LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017473.D
Acq On : 01 Nov 2018 19:48
Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.822	642	652	657	rBV	760798	1445947	0.27%	0.030%
2	6.987	673	680	692	rBV	594048	921772	0.17%	0.019%
3	7.175	706	712	723	rBV	791931	1317947	0.25%	0.028%
4	7.528	765	772	780	rVB	1181322	1897255	0.36%	0.040%
5	7.639	780	791	793	rBV	1160727	1877498	0.35%	0.039%
6	7.675	793	797	807	rVV	7657142	12458803	2.34%	0.261%
7	8.345	906	911	922	rVB	884481	1466211	0.28%	0.031%
8	8.792	981	987	994	rVV	713532	1239931	0.23%	0.026%
9	9.510	1100	1109	1116	rBV	620283	1093755	0.21%	0.023%
10	10.039	1193	1199	1210	rBV	818613	1519395	0.29%	0.032%
11	10.410	1252	1262	1268	rBV	1635326	3072926	0.58%	0.064%
12	10.563	1282	1288	1297	rVV	603761	1159866	0.22%	0.024%
13	12.633	1634	1640	1645	rBV	4356545	5885658	1.10%	0.123%
14	12.692	1645	1650	1655	rVB	7238758	9720179	1.82%	0.204%
15	12.774	1661	1664	1669	rVB	1030184	1363843	0.26%	0.029%
16	12.933	1684	1691	1694	rVV	6902177	9547025	1.79%	0.200%
17	12.963	1694	1696	1700	rVV	2175048	2890248	0.54%	0.061%
18	13.016	1700	1705	1714	rVV	8348965	12193434	2.29%	0.255%
19	13.110	1714	1721	1726	rVV2	14192158	21394111	4.02%	0.448%
20	13.157	1726	1729	1736	rVB	3007519	3733666	0.70%	0.078%
21	13.710	1816	1823	1827	rBV	1611915	2378627	0.45%	0.050%
22	13.974	1855	1868	1872	rBV	2026439	3354013	0.63%	0.070%
23	14.021	1872	1876	1881	rVV	946866	1385273	0.26%	0.029%
24	14.210	1902	1908	1912	rBV	680847	966862	0.18%	0.020%
25	14.280	1912	1920	1923	rVV3	3597862	8538081	1.60%	0.179%
26	14.357	1923	1933	1937	rVV3	67840566	175170300	32.87%	3.669%
27	14.433	1937	1946	1954	rVV	37054269	68295168	12.82%	1.430%
28	14.510	1954	1959	1969	rVV3	888213	1711046	0.32%	0.036%
29	14.615	1969	1977	1986	rVV3	1746058	3171768	0.60%	0.066%
30	14.762	1994	2002	2006	rVV4	515659	997659	0.19%	0.021%
31	15.074	2050	2055	2059	rBV	943587	1796720	0.34%	0.038%
32	15.139	2059	2066	2078	rVB	11885696	25592438	4.80%	0.536%
33	15.251	2078	2085	2096	rBV2	13228135	34206376	6.42%	0.716%
34	15.351	2096	2102	2122	rVB	21069570	64395899	12.09%	1.349%

LSC Area Percent Report

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Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Title : SVOA CALIBRATION

35	15.515	2122	2130	2132	rBV	9753629	20818950	3.91%	0.436%
36	15.610	2132	2146	2147	rBV4	74487830	243812610	45.76%	5.107%
37	15.839	2178	2185	2189	rBV3	1175618	2969520	0.56%	0.062%
38	15.986	2195	2210	2211	rBV3	81630567	295438355	55.45%	6.188%
39	16.098	2223	2229	2233	rVB	41077716	52283748	9.81%	1.095%
40	16.180	2235	2243	2245	rBV	8133047	17833617	3.35%	0.374%
41	16.233	2245	2252	2255	rBV2	59468833	99887021	18.75%	2.092%
42	16.262	2255	2257	2262	rVB2	10801502	12148391	2.28%	0.254%
43	16.368	2262	2275	2277	rBV5	85190317	282119595	52.95%	5.909%
44	16.456	2284	2290	2296	rVB	3921420	5694857	1.07%	0.119%
45	16.621	2311	2318	2322	rVV	57250245	97820670	18.36%	2.049%
46	16.668	2322	2326	2331	rVB	5914049	7992125	1.50%	0.167%
47	16.839	2350	2355	2361	rBV2	696596	1677616	0.31%	0.035%
48	16.992	2367	2381	2382	rBV2	66530861	214650745	40.28%	4.496%
49	17.086	2390	2397	2400	rBV2	63787164	118744477	22.29%	2.487%
50	17.115	2400	2402	2411	rVB	40584306	42925239	8.06%	0.899%
51	17.198	2411	2416	2419	rBV	3082958	4021772	0.75%	0.084%
52	17.274	2419	2429	2433	rVB2	73241684	169160604	31.75%	3.543%
53	17.351	2437	2442	2449	rBV	1612619	3072588	0.58%	0.064%
54	17.427	2449	2455	2464	rVB3	5621718	11500944	2.16%	0.241%
55	17.527	2464	2472	2474	rBV	33465646	69382543	13.02%	1.453%
56	17.733	2488	2507	2509	rBV6	85068154	424460299	79.66%	8.890%
57	17.845	2513	2526	2530	rBV4	79582387	222728591	41.80%	4.665%
58	17.880	2530	2532	2536	rVV	16647873	17922877	3.36%	0.375%
59	17.951	2536	2544	2547	rVV2	67908596	128119071	24.04%	2.683%
60	17.992	2547	2551	2559	rVB	33121884	41606108	7.81%	0.871%
61	18.080	2560	2566	2570	rBV	14287596	18851452	3.54%	0.395%
62	18.156	2570	2579	2584	rVV	66178781	148219051	27.82%	3.104%
63	18.221	2584	2590	2593	rVV	62242298	123126470	23.11%	2.579%
64	18.268	2593	2598	2602	rVB	68612446	110625276	20.76%	2.317%
65	18.439	2618	2627	2631	rBV2	59553555	123343127	23.15%	2.583%
66	18.480	2631	2634	2638	rVV	40201005	49736246	9.33%	1.042%
67	18.545	2638	2645	2647	rVV	45414822	81018508	15.21%	1.697%
68	18.574	2647	2650	2653	rVV	37189549	57102304	10.72%	1.196%
69	18.615	2653	2657	2662	rVB	64684193	94196041	17.68%	1.973%
70	18.662	2662	2665	2667	rBV	1701545	2050752	0.38%	0.043%
71	18.703	2667	2672	2677	rVB	18390196	23786231	4.46%	0.498%

LSC Area Percent Report

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Acq On : 01 Nov 2018 19:48
Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Title : SVOA CALIBRATION

72	18.762	2677	2682	2689	rVB	4180462	5520968	1.04%	0.116%
73	18.839	2689	2695	2699	rBV2	4123019	6713927	1.26%	0.141%
74	18.903	2699	2706	2710	rVV	26117145	38485369	7.22%	0.806%
75	18.968	2710	2717	2720	rVV	38376892	74598420	14.00%	1.562%
76	19.003	2720	2723	2727	rVV	36139074	45445482	8.53%	0.952%
77	19.062	2729	2733	2737	rVV	3886784	4552129	0.85%	0.095%
78	19.174	2748	2752	2753	rVV	3230978	3718860	0.70%	0.078%
79	19.203	2753	2757	2763	rVV	8706866	17757454	3.33%	0.372%
80	19.256	2763	2766	2773	rVV2	5319607	7103838	1.33%	0.149%
81	19.315	2773	2776	2781	rVB2	1088924	1345756	0.25%	0.028%
82	19.450	2794	2799	2804	rVB	2936831	4037670	0.76%	0.085%
83	19.515	2806	2810	2812	rVV	598654	841035	0.16%	0.018%
84	19.592	2819	2823	2827	rVV2	846636	1062282	0.20%	0.022%
85	19.645	2827	2832	2837	rVV6	626752	1429777	0.27%	0.030%
86	19.697	2837	2841	2845	rVV2	1700877	2610386	0.49%	0.055%
87	19.745	2846	2849	2855	rVV	1144216	1917643	0.36%	0.040%
88	19.803	2855	2859	2863	rVV	2284087	2883652	0.54%	0.060%
89	20.015	2889	2895	2899	rBV2	633248	1153070	0.22%	0.024%
90	20.321	2944	2947	2952	rVB2	1628536	2046796	0.38%	0.043%
91	20.521	2977	2981	2986	rBV2	1554832	1997799	0.37%	0.042%
92	20.603	2992	2995	2998	rBV	835987	925853	0.17%	0.019%
93	20.950	3049	3054	3059	rBV	15006691	22176362	4.16%	0.464%
94	21.262	3085	3107	3110	rBV9	77219320	532839518	100.00%	11.160%
95	21.486	3143	3145	3147	rVB2	67555049	46988583	8.82%	0.984%
96	21.515	3147	3150	3152	rVV	2266297	2253466	0.42%	0.047%
97	21.533	3152	3153	3160	rVB	3859111	3298099	0.62%	0.069%
98	21.639	3168	3171	3174	rVV	2583193	2617746	0.49%	0.055%
99	21.668	3174	3176	3183	rVB2	1275350	1594062	0.30%	0.033%
100	22.344	3287	3291	3298	rVB	5719138	7591344	1.42%	0.159%

Sum of corrected areas: 4774515437

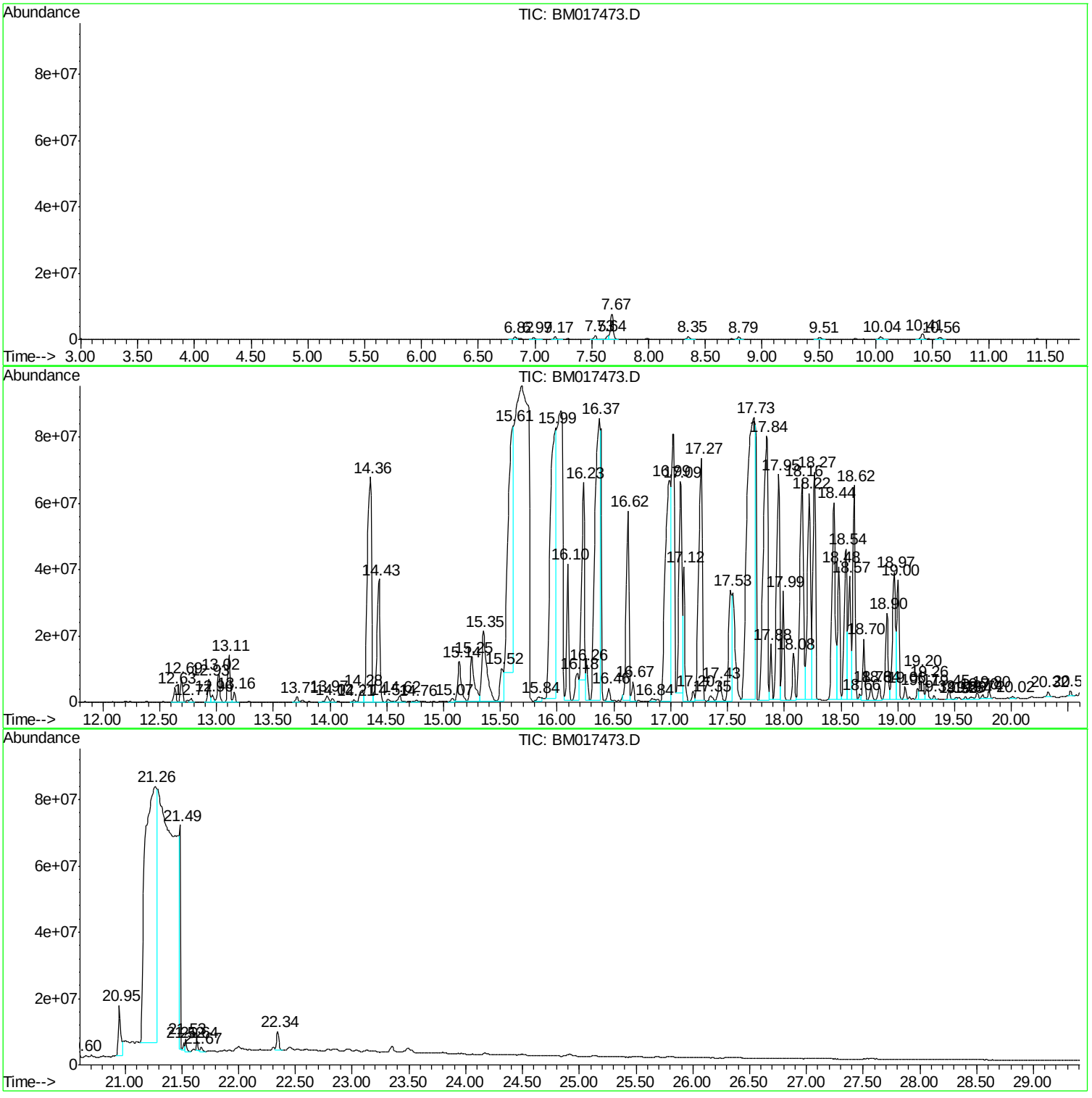
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017473.D
Acq On : 01 Nov 2018 19:48
Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017473.D
Acq On : 01 Nov 2018 19:48
Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

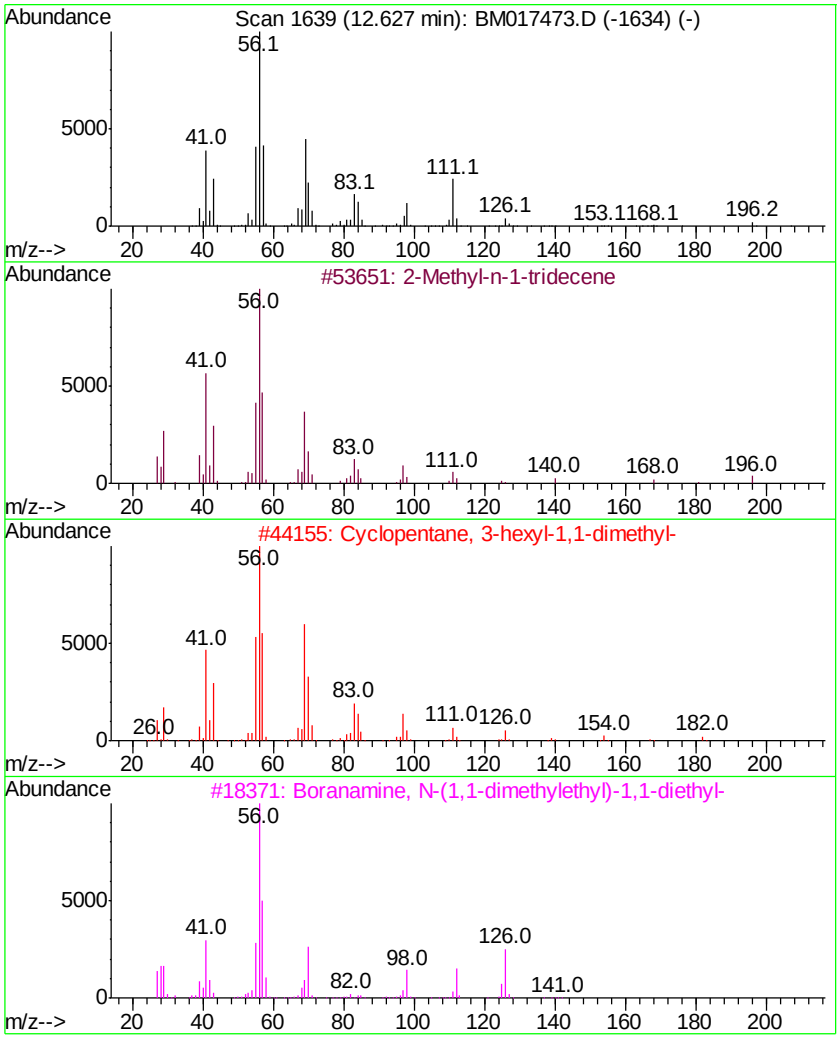
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

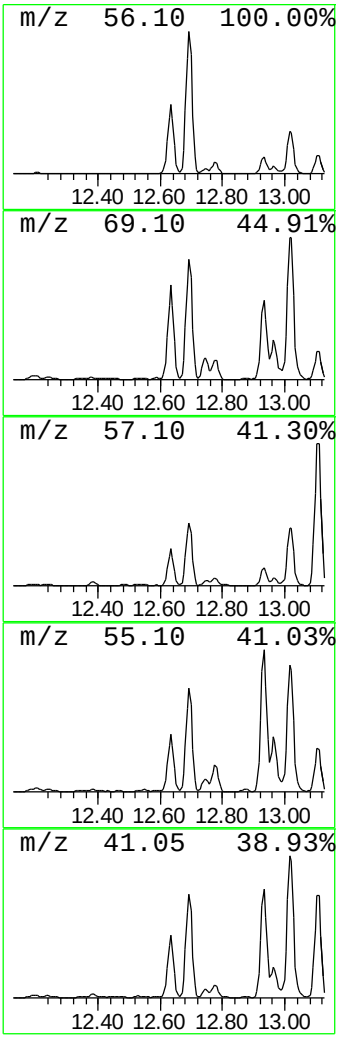
****

Peak Number 2 2-Methyl-n-1-tridecene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	13.79 ng/ul	5885660	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-n-1-tridecene	196	C14H28	018094-01-4	64
2	Cyclopentane, 3-hexyl-1,1-dimethyl-	182	C13H26	061142-65-2	64
3	Boranamine, N-(1,1-dimethylethyl...	141	C8H20BN	050612-53-8	59
4	Cyclobutane, 1-hexyl-2,3-dimethyl-	168	C12H24	055170-84-8	59
5	Cyclopentanone, 2,2,4-trimethyl-	126	C8H14O	028056-54-4	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017473.D
Acq On : 01 Nov 2018 19:48
Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

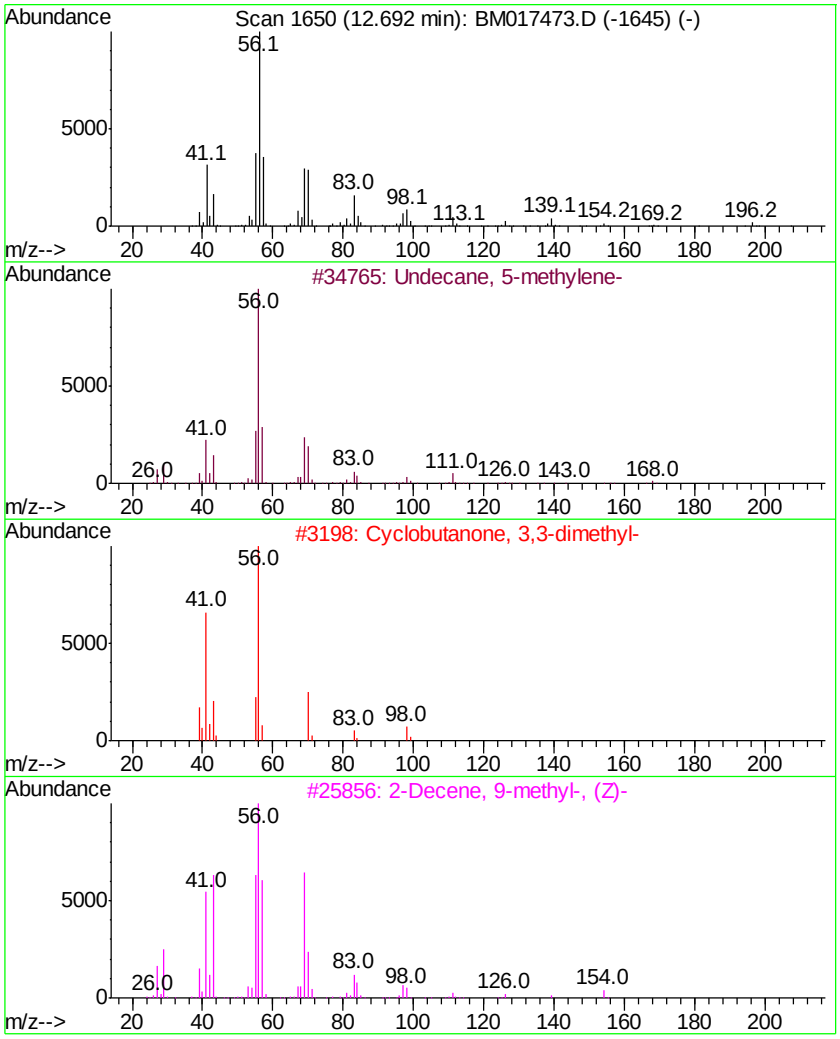
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

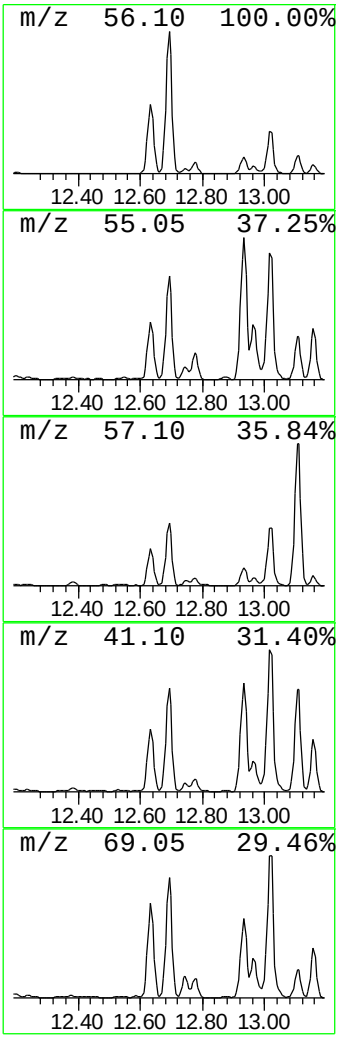
****

Peak Number 3 (DEL) Alkane: Cyclic12.69 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	22.77 ng/ul	9720180	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5-methylene-	168	C12H24	005698-48-6	72
2	Cyclobutanone, 3,3-dimethyl-	98	C6H10O	001192-33-2	72
3	2-Decene, 9-methyl-, (Z)-	154	C11H22	074630-24-3	64
4	2-Butyl-1-decene	196	C14H28	051655-65-3	60
5	1-Octene, 2-methyl-	126	C9H18	004588-18-5	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017473.D
Acq On : 01 Nov 2018 19:48
Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

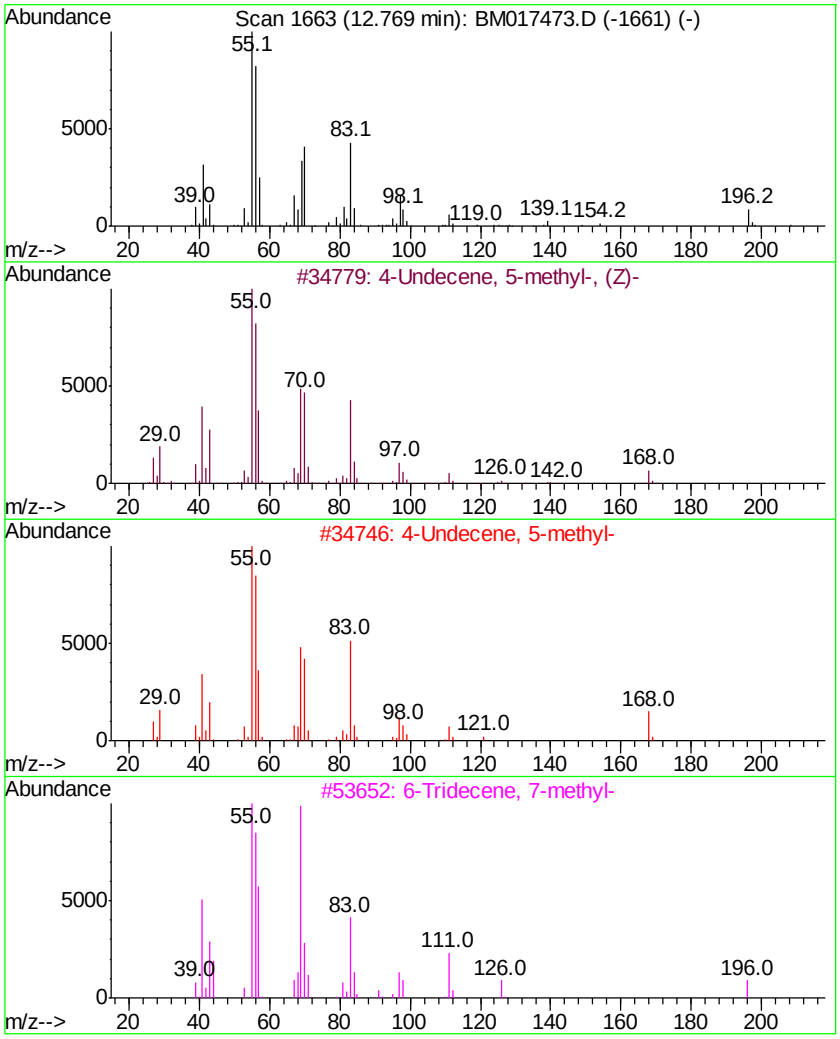
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

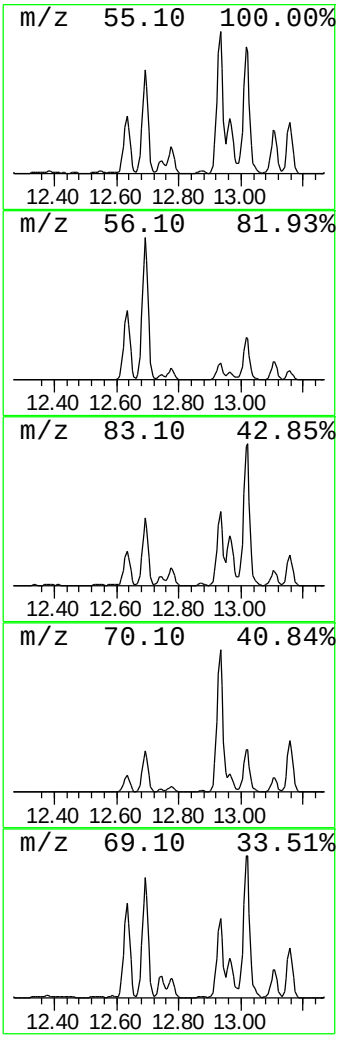
****

Peak Number 4 (DEL) Alkane: Cyclic12.77 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	3.19 ng/ul	1363840	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Undecene, 5-methyl-, (Z)-	168	C12H24	074630-69-6	86
2	4-Undecene, 5-methyl-	168	C12H24	020634-43-9	78
3	6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	72
4	4-Tetradecene, (E)-	196	C14H28	041446-78-0	52
5	5-Tetradecene, (E)-	196	C14H28	041446-66-6	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017473.D
Acq On : 01 Nov 2018 19:48
Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

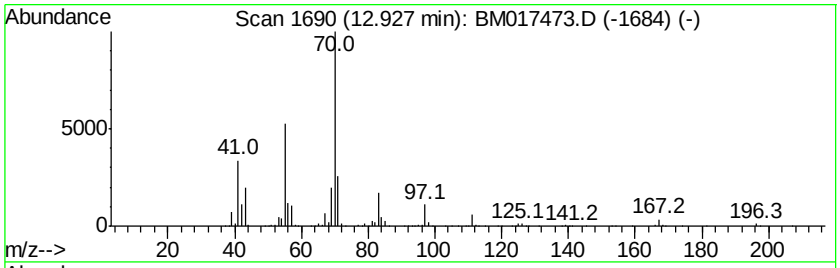
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

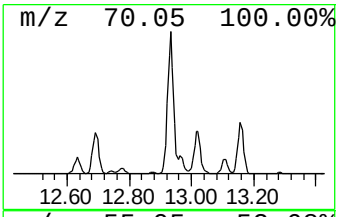
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

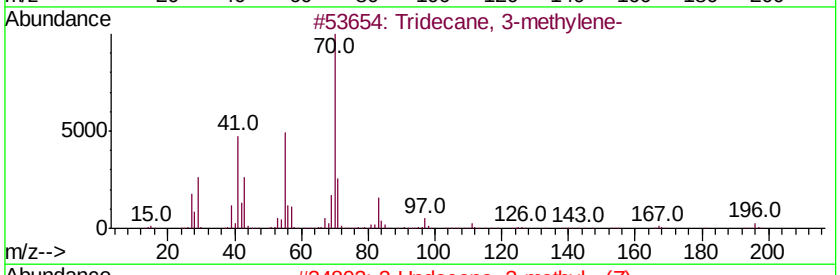
****
Peak Number 5 (DEL) Alkane: Cyclic12.93 Concentration Rank 28

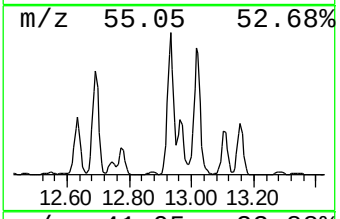
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	22.36 ng/ul	9547030	Acenaphthene-d10	14.29

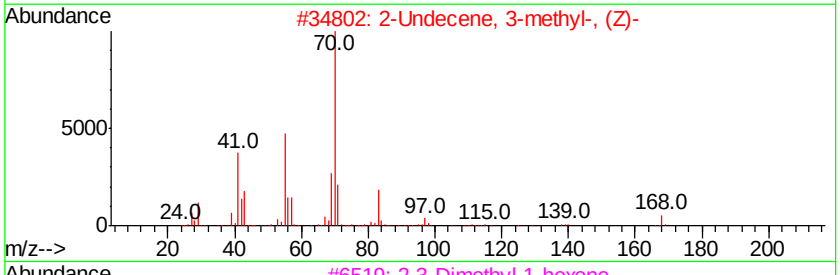
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methylene-	196	C14H28	019780-34-8	86
2	2-Undecene, 3-methyl-, (Z)-	168	C12H24	057024-90-5	72
3	2,3-Dimethyl-1-hexene	112	C8H16	016746-86-4	53
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	53
5	Octane, 3-methyl-6-methylene-	140	C10H20	074630-07-2	50

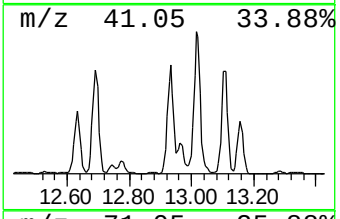


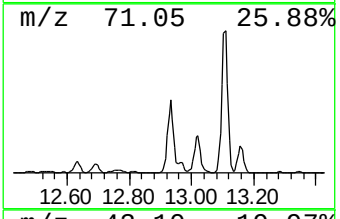


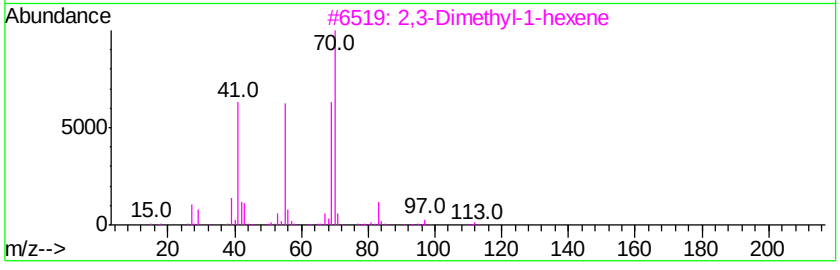


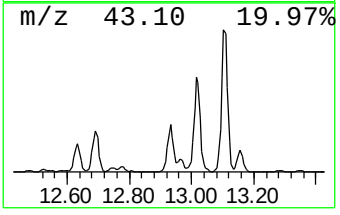












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Acq On : 01 Nov 2018 19:48
Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

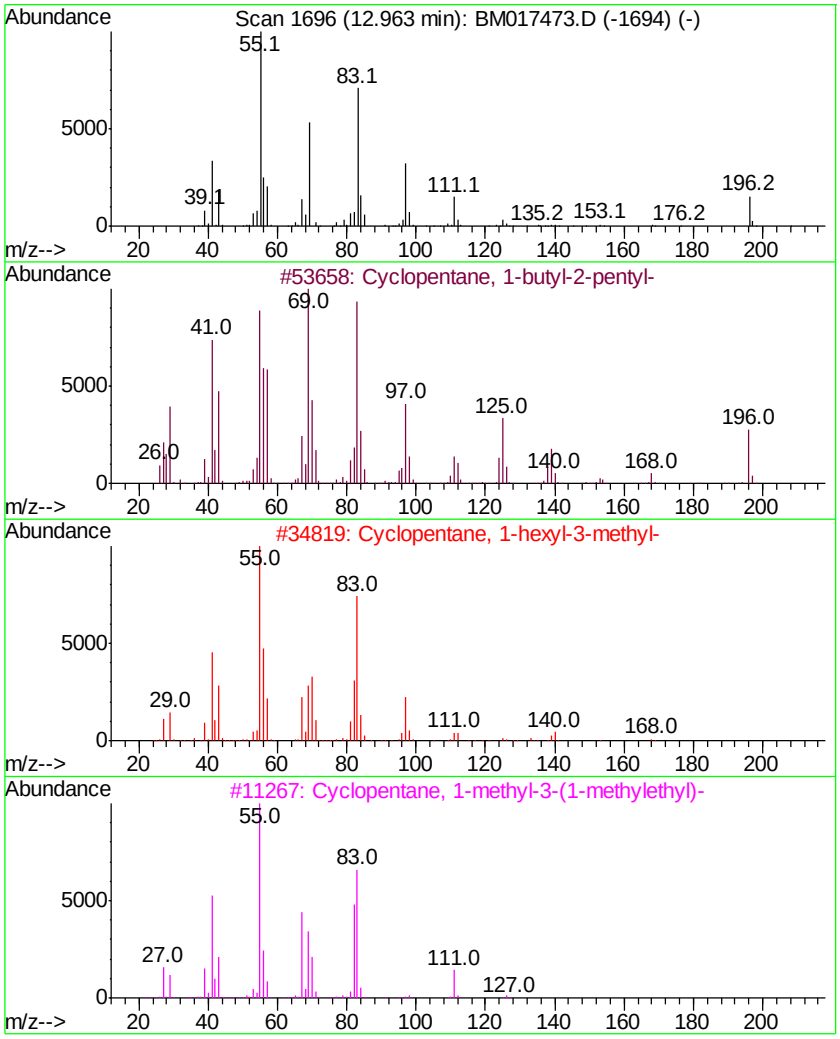
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

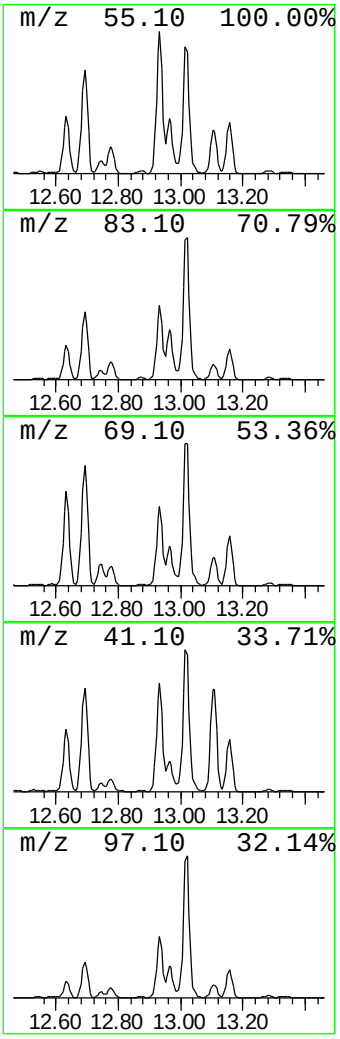
****

Peak Number 6 (DEL) Alkane: Cyclic12.96 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	6.77 ng/ul	2890250	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-butyl-2-pentyl-	196	C14H28	061142-52-7	58
2	Cyclopentane, 1-hexyl-3-methyl-	168	C12H24	061142-68-5	53
3	Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	50
4	7-Tetradecene	196	C14H28	010374-74-0	50
5	Dodecyl acrylate	240	C15H28O2	002156-97-0	50





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Instrument : BNA_M
ClientSampleId : A40E4

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Quant Title : SVOA CALIBRATION

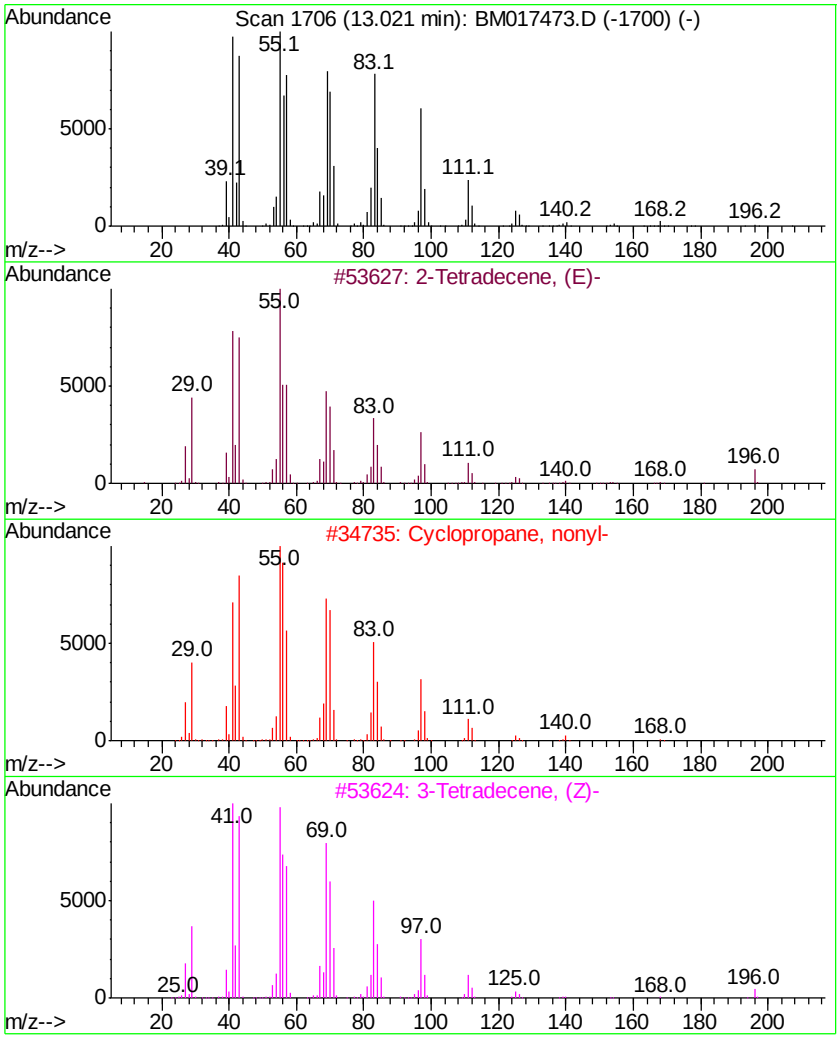
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

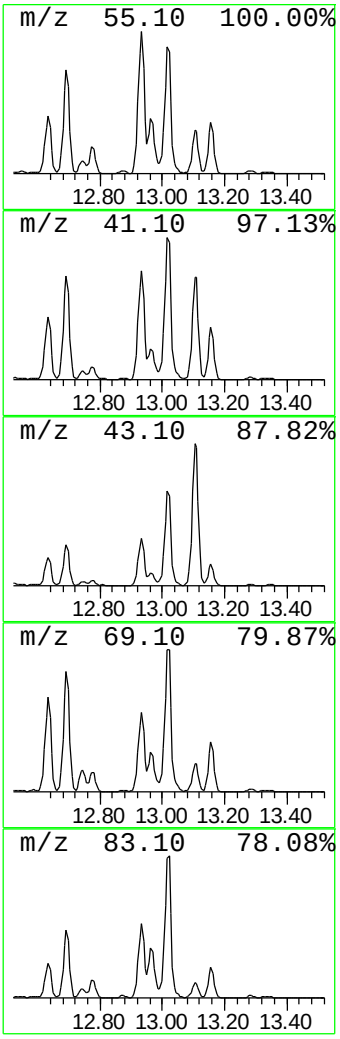
****

Peak Number 7 (DEL) Alkane: Cyclic13.02 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	28.56 ng/ul	12193400	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Tetradecene, (E)-	196	C14H28	035953-53-8	97
2	Cyclopropane, nonyl-	168	C12H24	074663-85-7	95
3	3-Tetradecene, (Z)-	196	C14H28	041446-67-7	91
4	9-Octadecene, (E)-	252	C18H36	007206-25-9	91
5	5-Octadecene, (E)-	252	C18H36	007206-21-5	91





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Misc :
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Instrument : BNA_M
ClientSampleId : A40E4

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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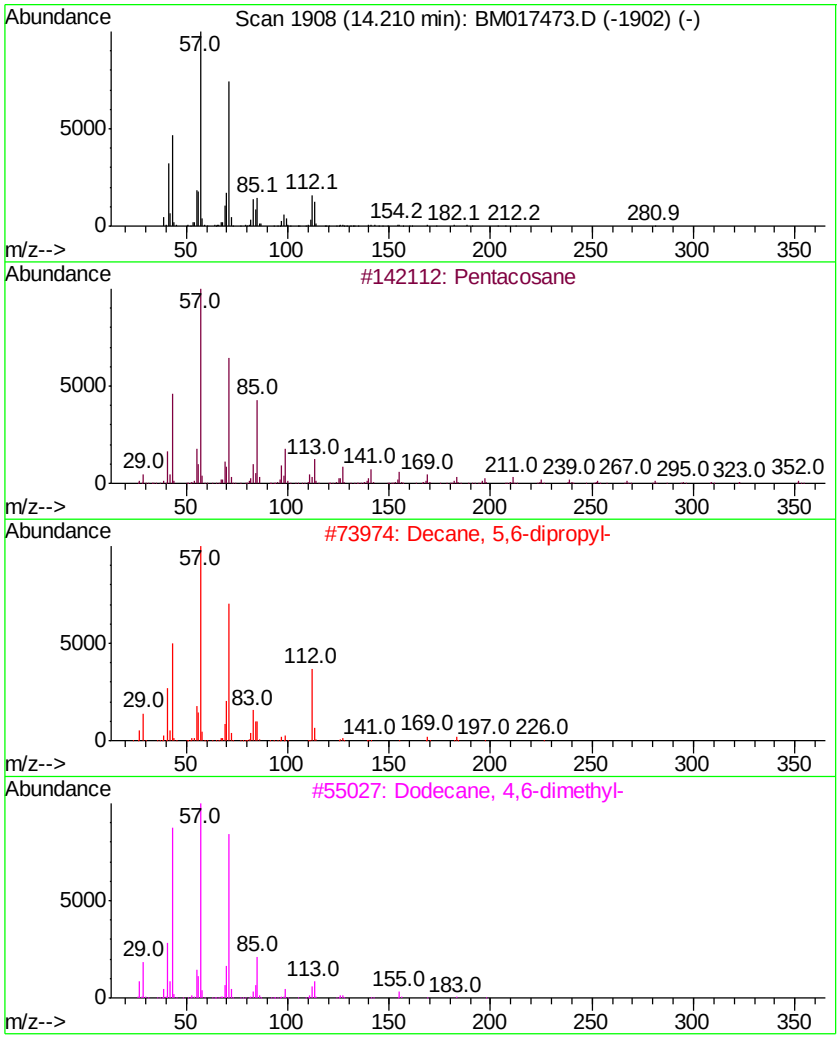
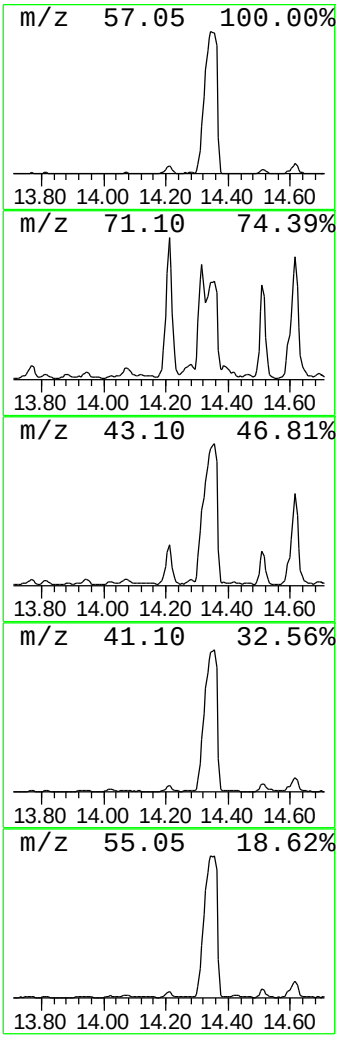
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	2.26 ng/ul	966862	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	72
2	Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	72
3	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	59
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	59
5	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	59





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ClientSampleId : A40E4

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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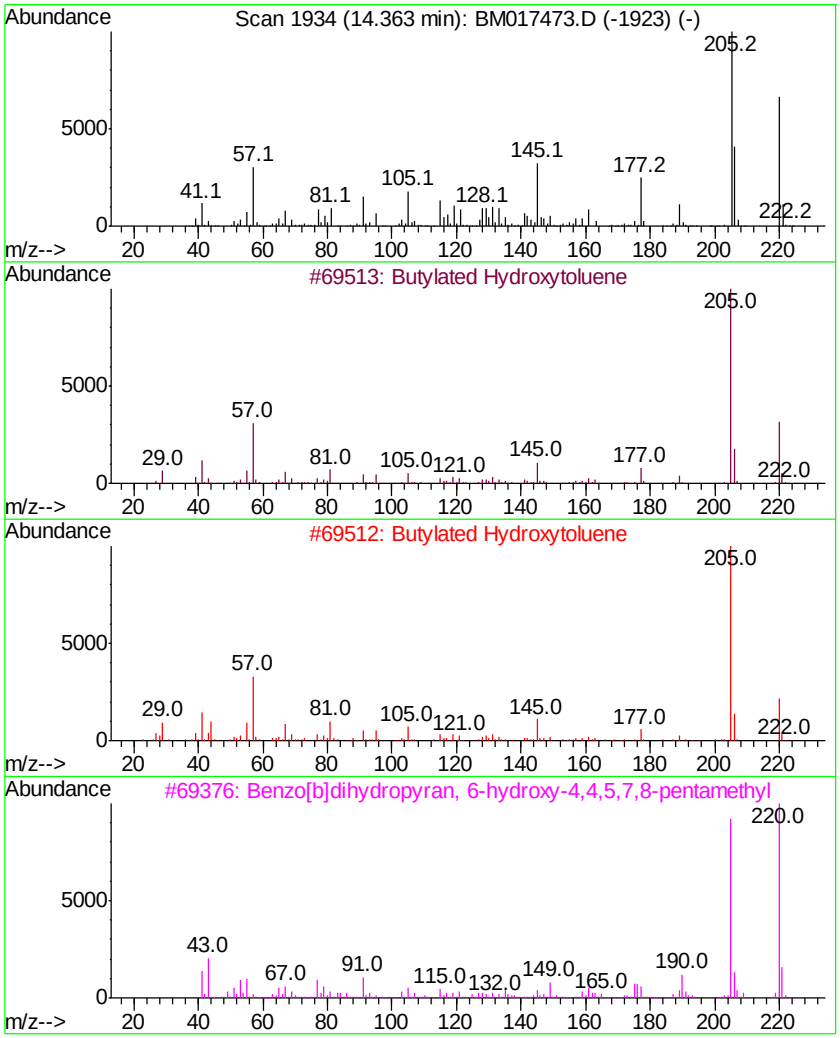
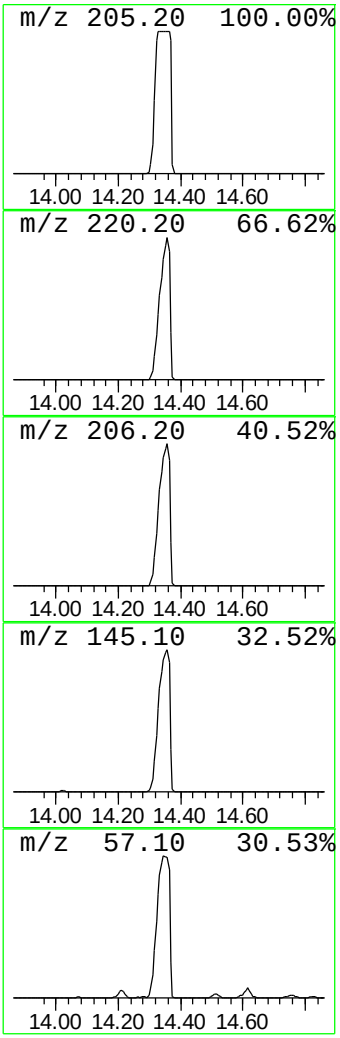
Peak Number 9 Butylated Hydroxytoluene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.36	410.33 ng/ul	175170000	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	96
2	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	91
3	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	64
4	Phenol, 2,6-bis(1,1-dimethylethy...	277	C17H27NO2	001918-11-2	53
5	1,3-Pentadiene, 1,1-diphenyl-, (Z)-	220	C17H16	015295-31-5	52





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ClientSampleId : A40E4

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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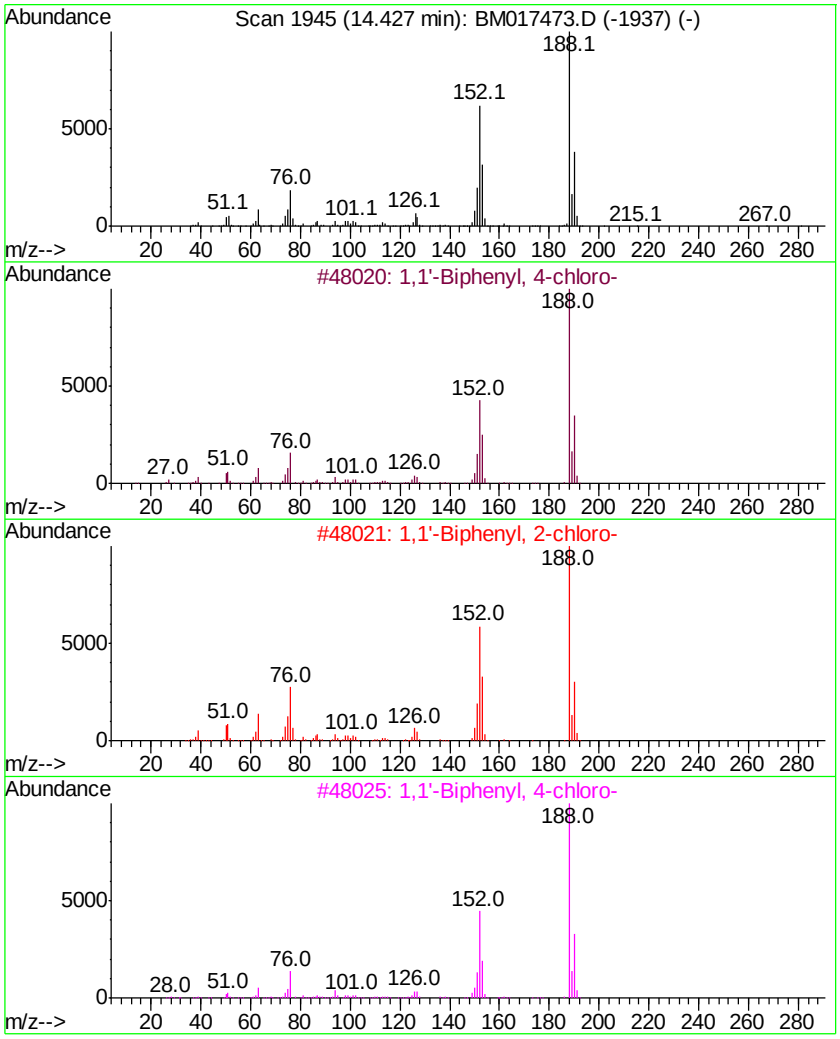
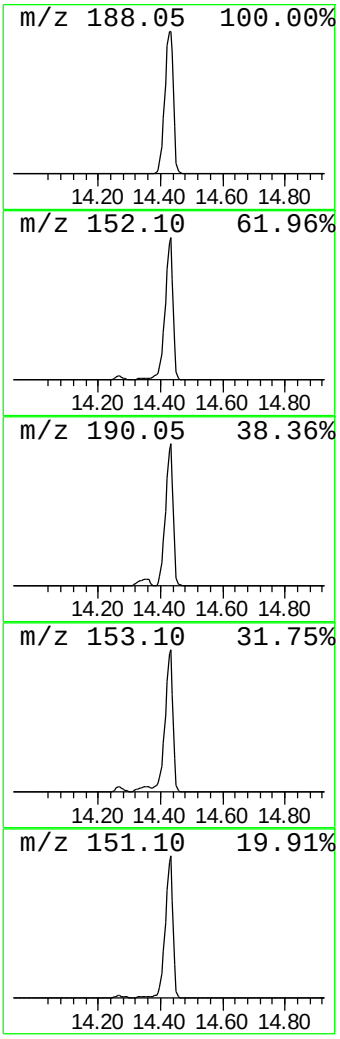
Peak Number 10 1,1'-Biphenyl, 4-chloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	159.98 ng/ul	68295200	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	97
2	1,1'-Biphenyl, 2-chloro-	188	C12H9Cl	002051-60-7	96
3	1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	94
4	1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	94
5	3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	94





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Sample : J5704-14
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Instrument : BNA_M
ClientSampleId : A40E4

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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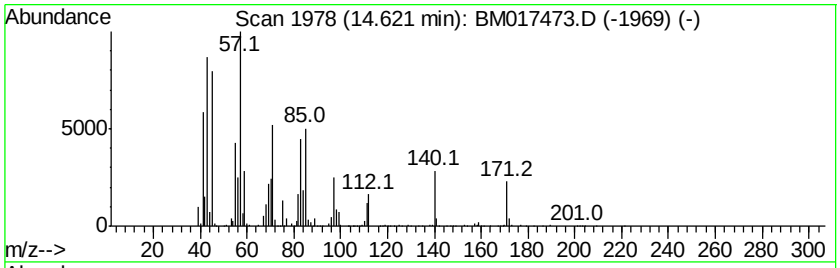
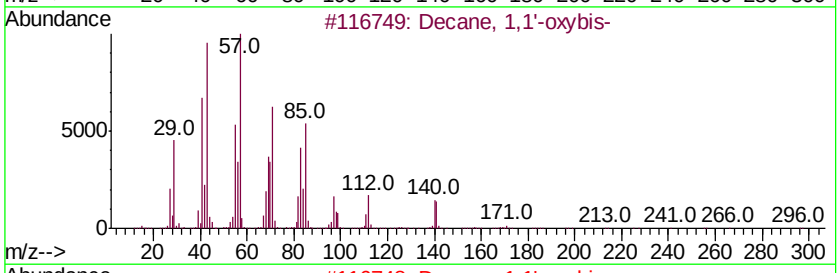
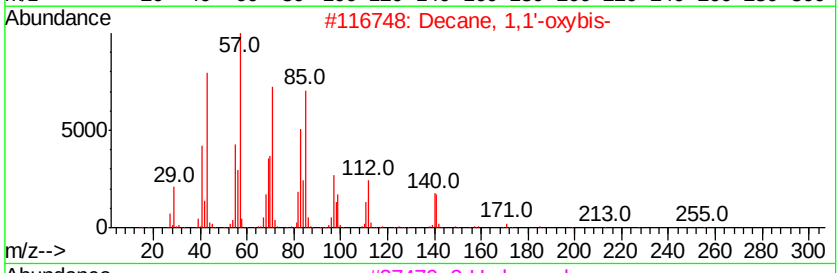
Peak Number 11 Decane, 1,1'-oxybis- Concentration Rank 38

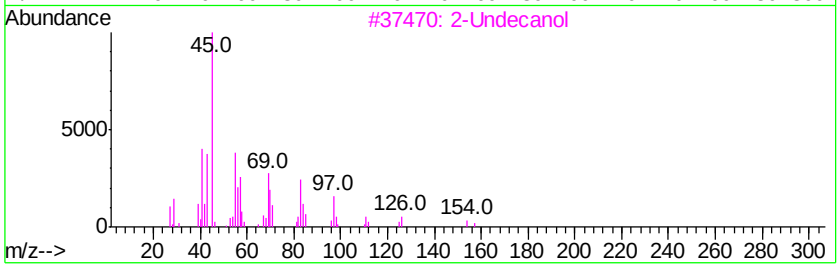
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	7.43 ng/ul	3171770	Acenaphthene-d10	14.29

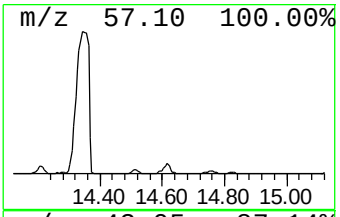
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	50
2	Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	43
3	2-Undecanol	172	C11H24O	001653-30-1	43
4	2-Hexadecanol	242	C16H34O	014852-31-4	38
5	Acetic acid, trifluoro-, tetrade...	310	C16H29F3O2	006222-02-2	22

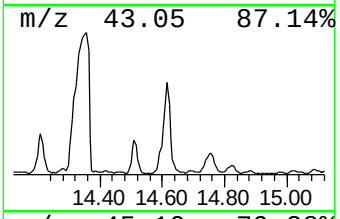


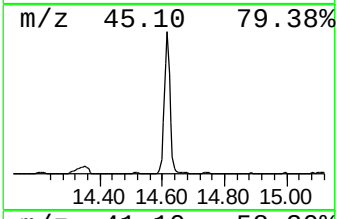


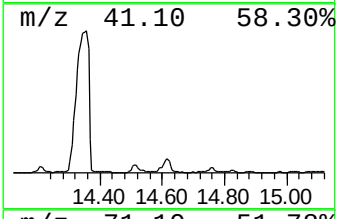


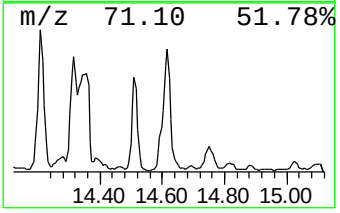












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Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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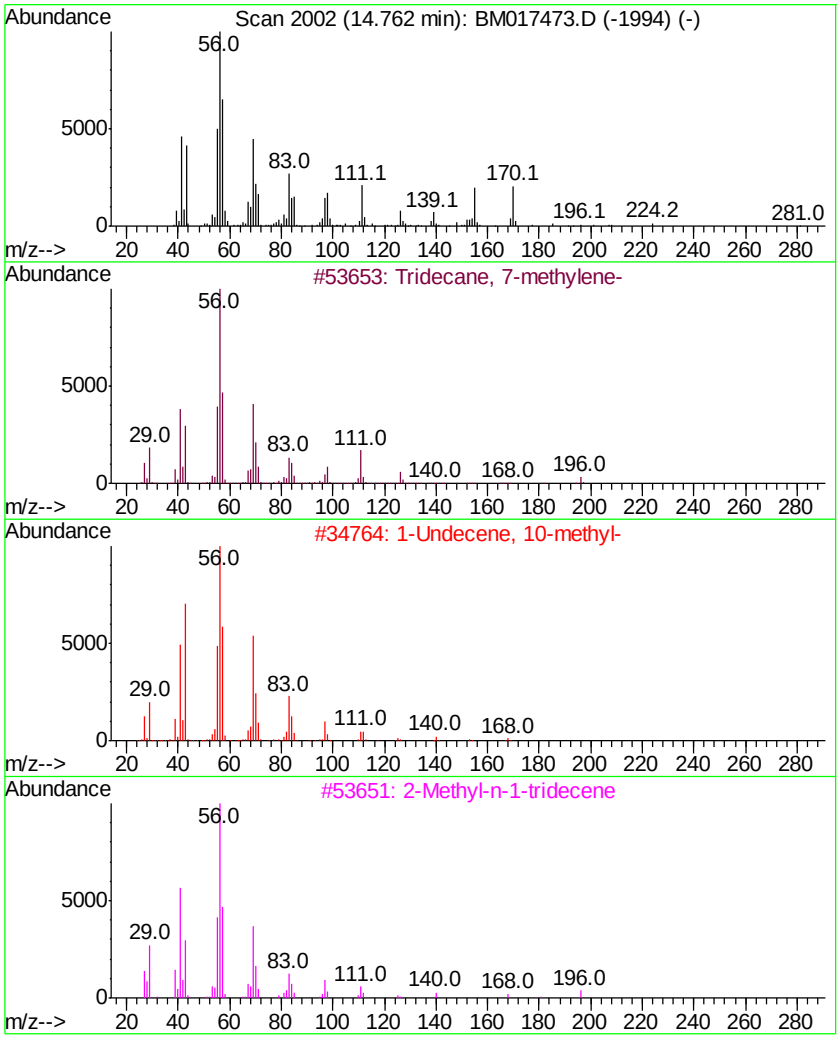
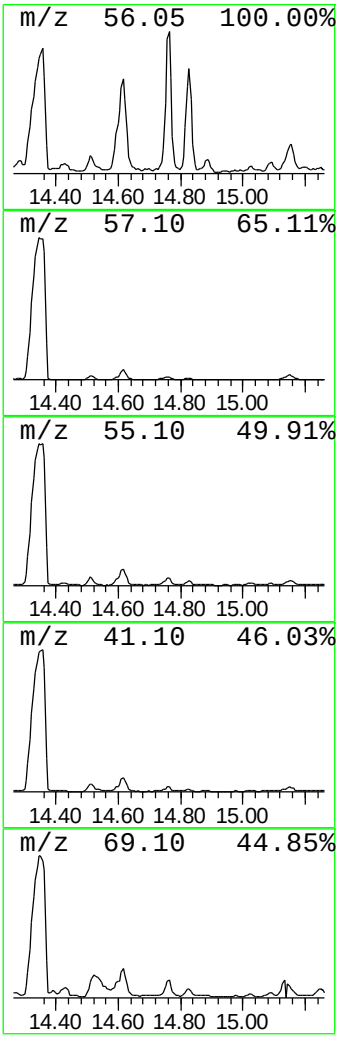
Peak Number 12 (DEL) Alkane: Cyclic14.76 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	2.34 ng/ul	997659	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-methylene-	196	C14H28	019780-80-4	58
2	1-Undecene, 10-methyl-	168	C12H24	022370-55-4	52
3	2-Methyl-n-1-tridecene	196	C14H28	018094-01-4	52
4	Cyclopropane, 1-(1-methylethyl)-...	210	C15H30	041977-39-3	50
5	2-Methyl-1-tetradecene	210	C15H30	052254-38-3	50





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Instrument : BNA_M
ClientSampleId : A40E4

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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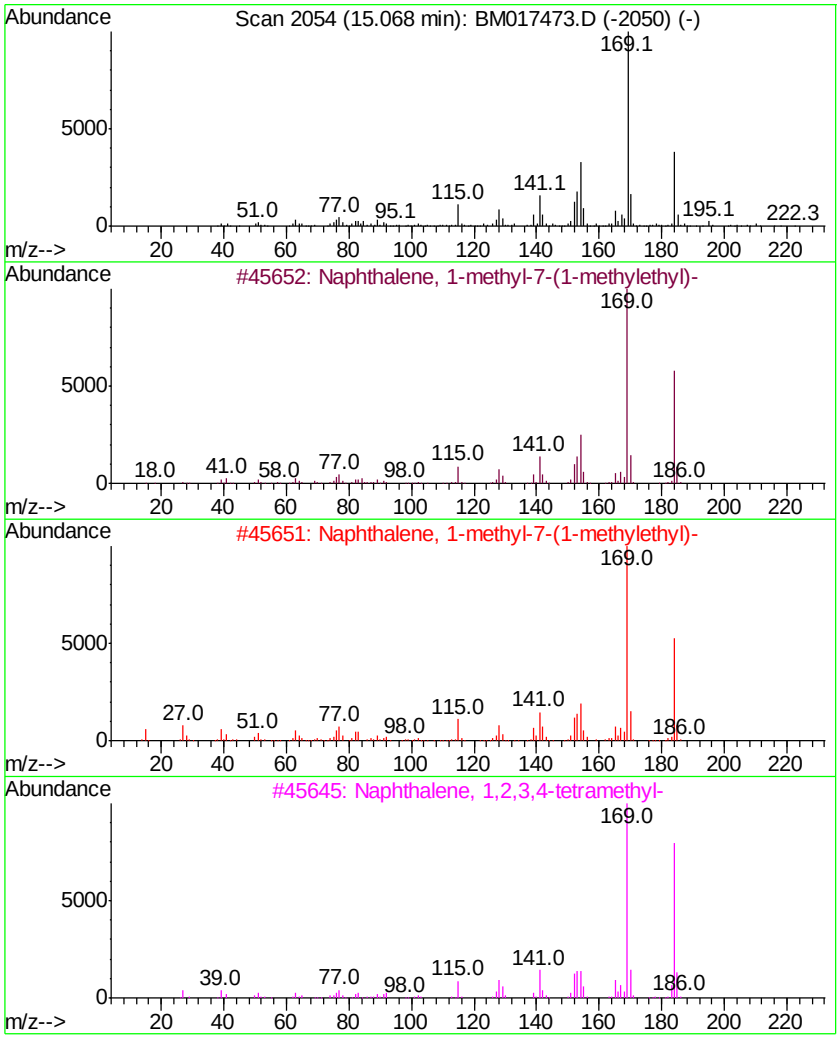
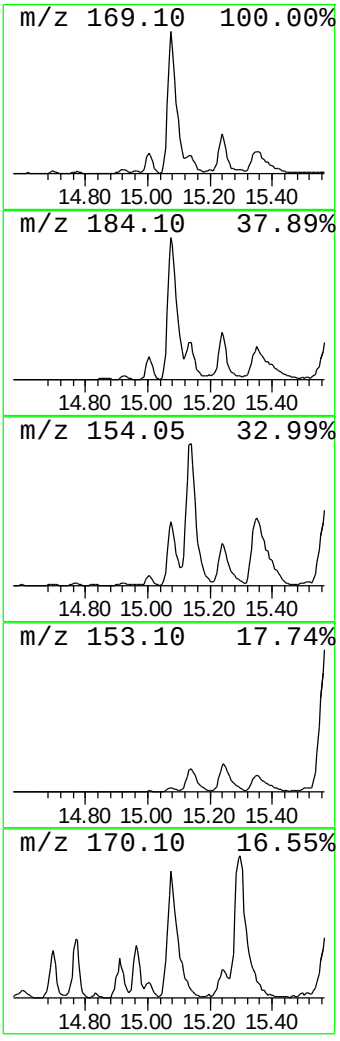
Peak Number 13 Naphthalene, 1-methyl-7-(1-... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	4.21 ng/ul	1796720	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	97
2	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	95
3	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	95
4	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	87
5	Naphthalene, 2-(1,1-dimethylethyl)-	184	C14H16	002876-35-9	64





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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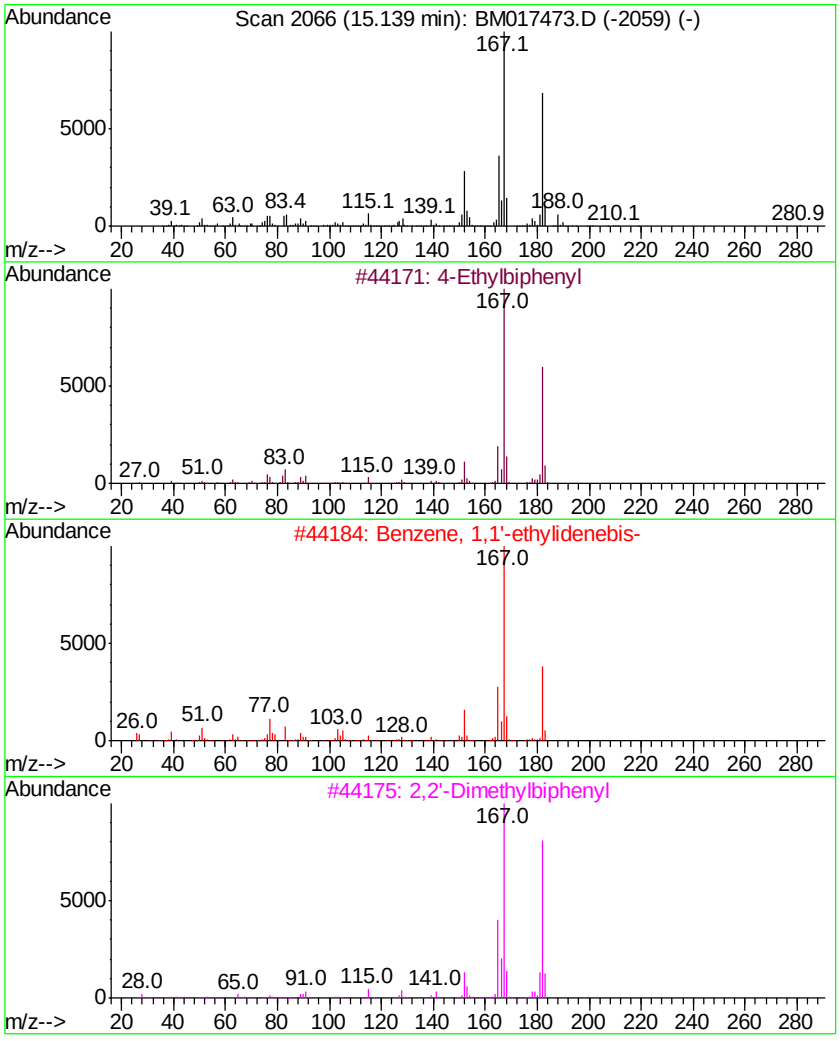
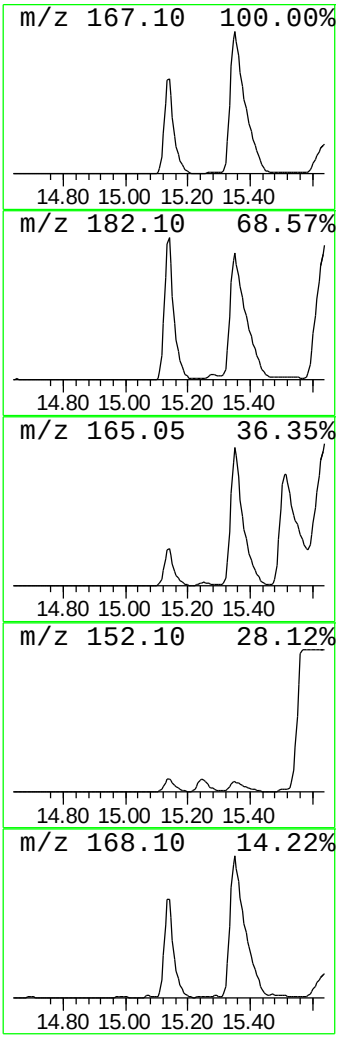
Peak Number 14 4-Ethylbiphenyl Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	59.95 ng/ul	25592400	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Ethylbiphenyl	182	C14H14	005707-44-8	90
2	Benzene, 1,1'-ethylidenebis-	182	C14H14	000612-00-0	90
3	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	80
4	Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	74
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	74





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ClientSampleId : A40E4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

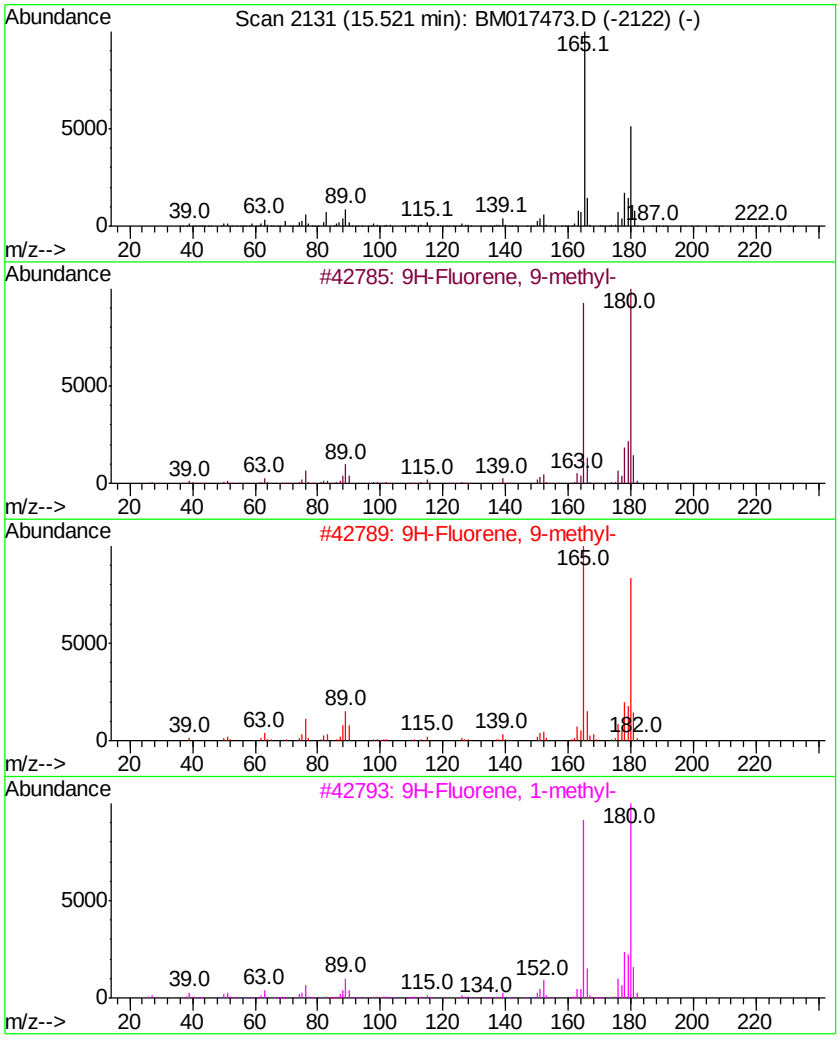
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

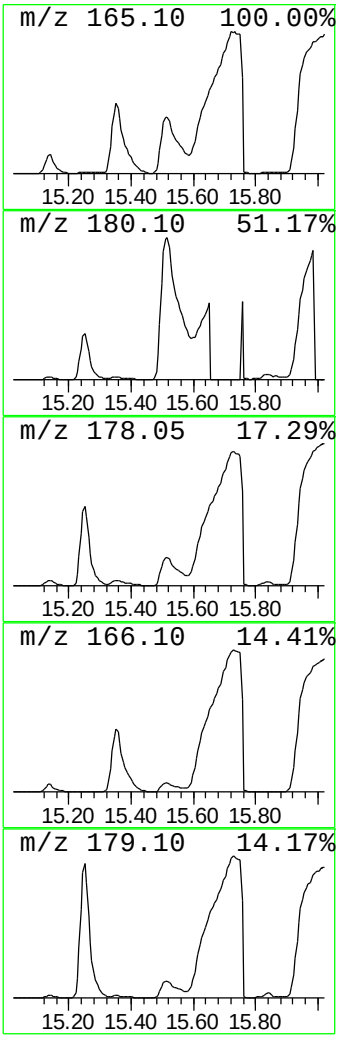
****

Peak Number 15 9H-Fluorene, 9-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	48.77 ng/ul	20819000	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
4	Benzenethiol, 4-(1,1-dimethyleth...	180	C11H16S	015570-10-2	87
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86





Library Search Compound Report

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Data File : BM017473.D
Acq On : 01 Nov 2018 19:48
Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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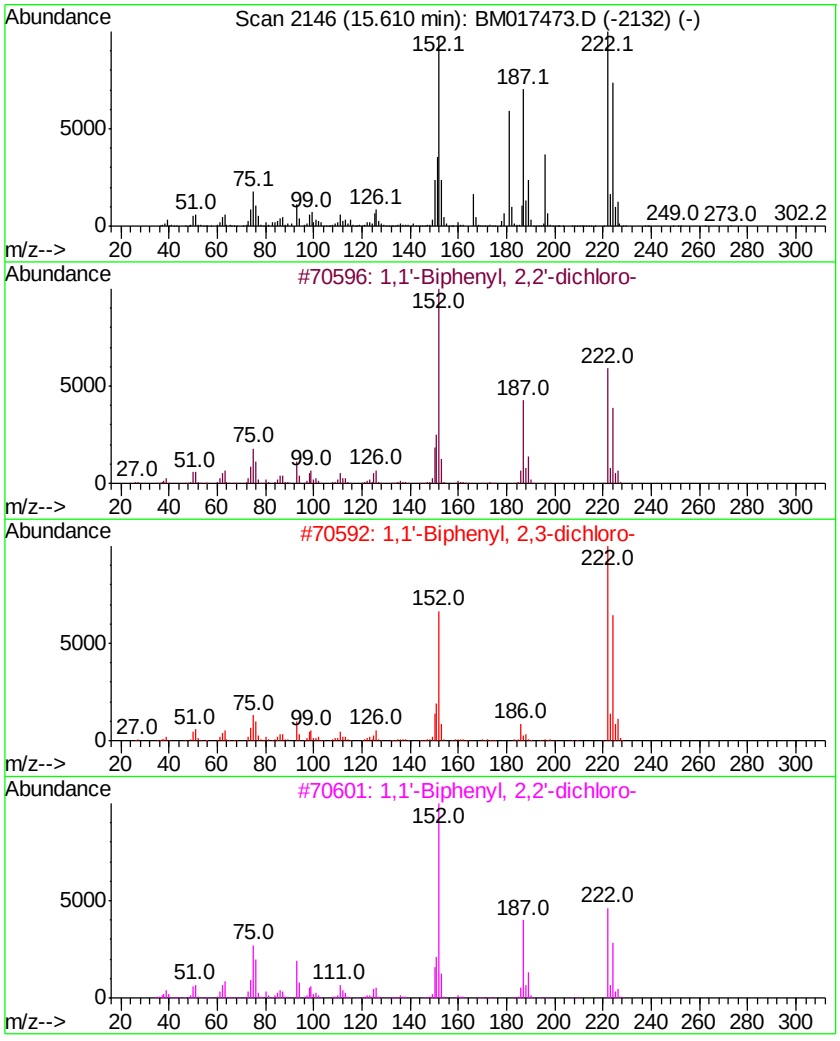
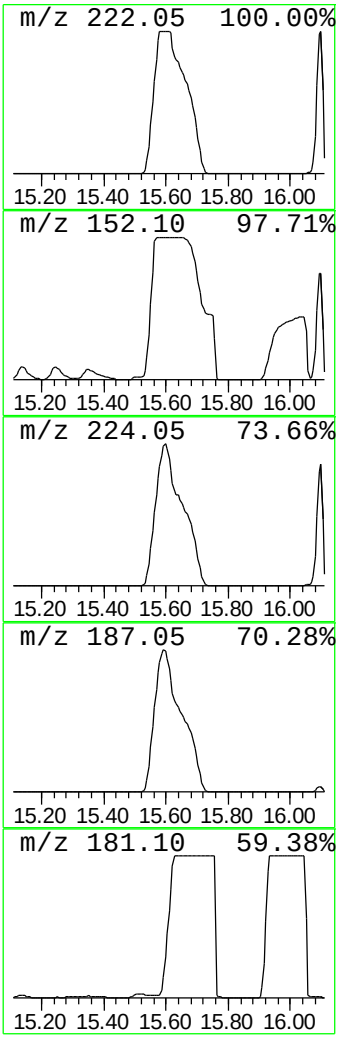
Peak Number 16 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	571.12 ng/ul	243813000	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	99
2	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	98
3	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	97
4	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	95
5	1,1'-Biphenyl, 2,5-dichloro-	222	C12H8Cl2	034883-39-1	92





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Acq On : 01 Nov 2018 19:48
Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

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Quant Title : SVOA CALIBRATION

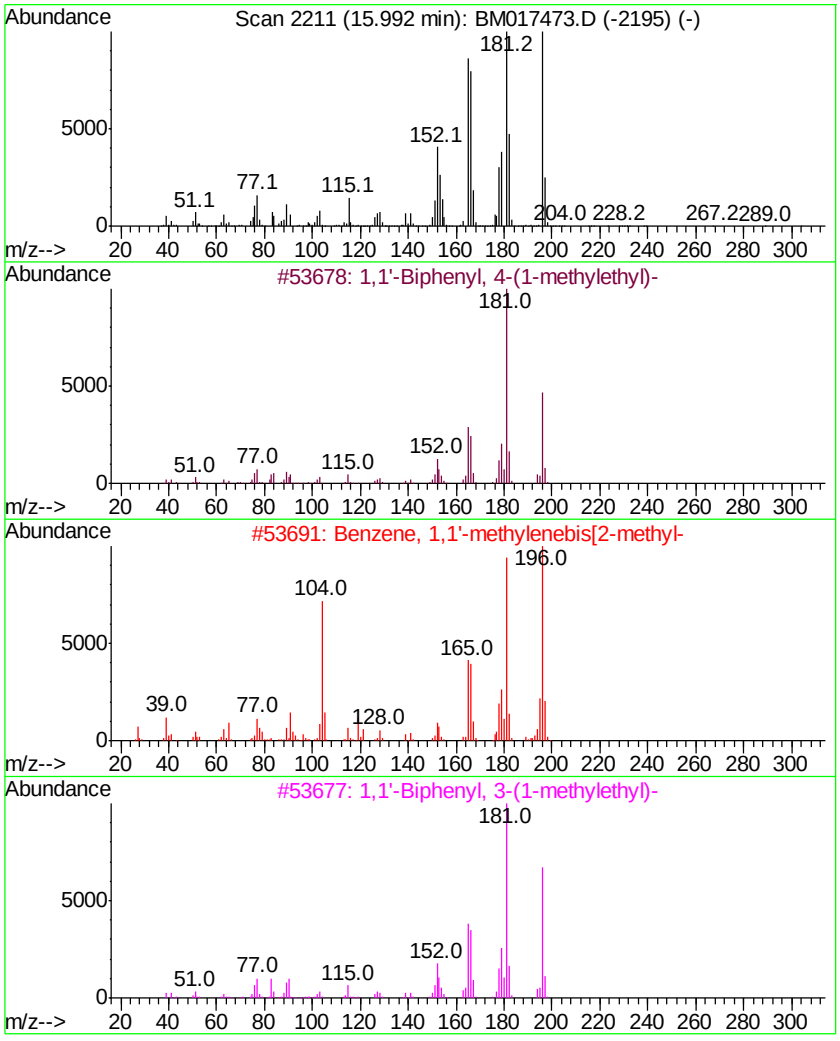
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

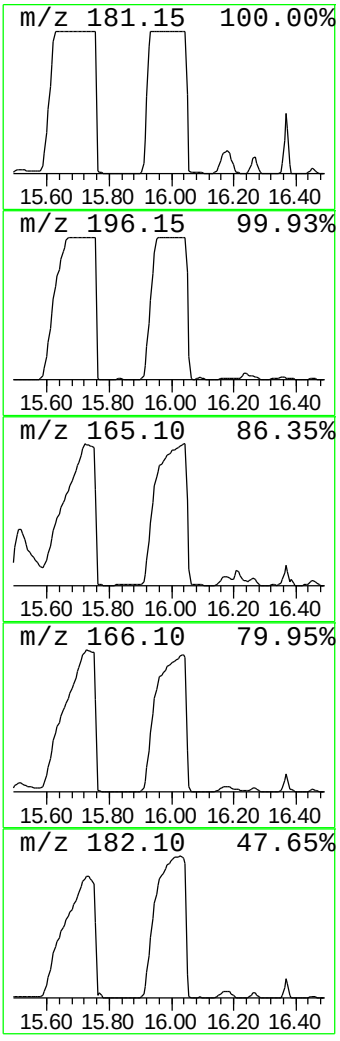
****

Peak Number 17 1,1'-Biphenyl, 4-(1-methyle... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	137.65 ng/ul	295438000	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	58
2	Benzene, 1,1'-methylenebis[2-met...	196	C15H16	001634-74-8	53
3	1,1'-Biphenyl, 3-(1-methylethyl)-	196	C15H16	020282-30-8	46
4	1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	46
5	Benzene, 2,6-dimethyl-1-(phenylm...	196	C15H16	028122-29-4	43





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Acq On : 01 Nov 2018 19:48
Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

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Quant Title : SVOA CALIBRATION

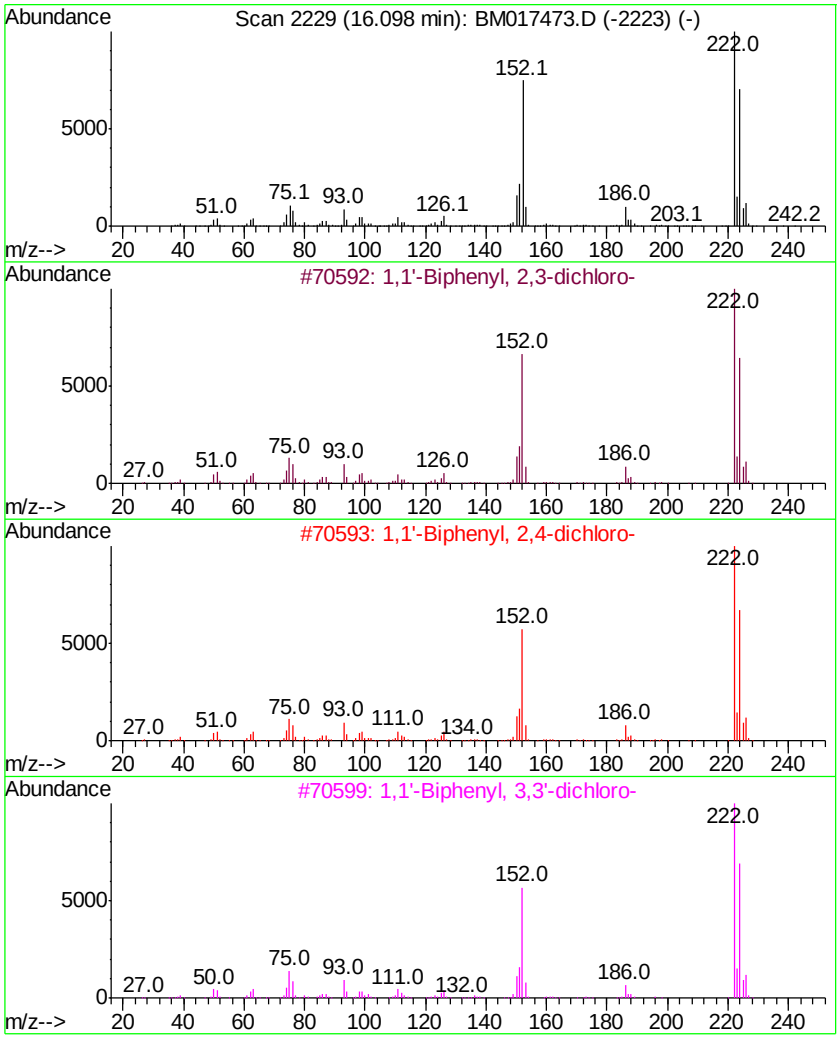
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

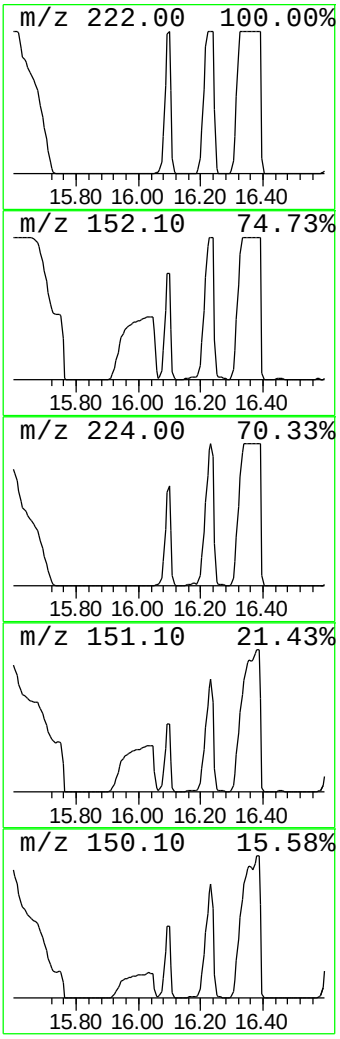
****

Peak Number 18 1,1'-Biphenyl, 2,3-dichloro- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	24.36 ng/ul	52283700	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	99
2	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	99
3	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	98
4	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	98
5	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	97





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Acq On : 01 Nov 2018 19:48
Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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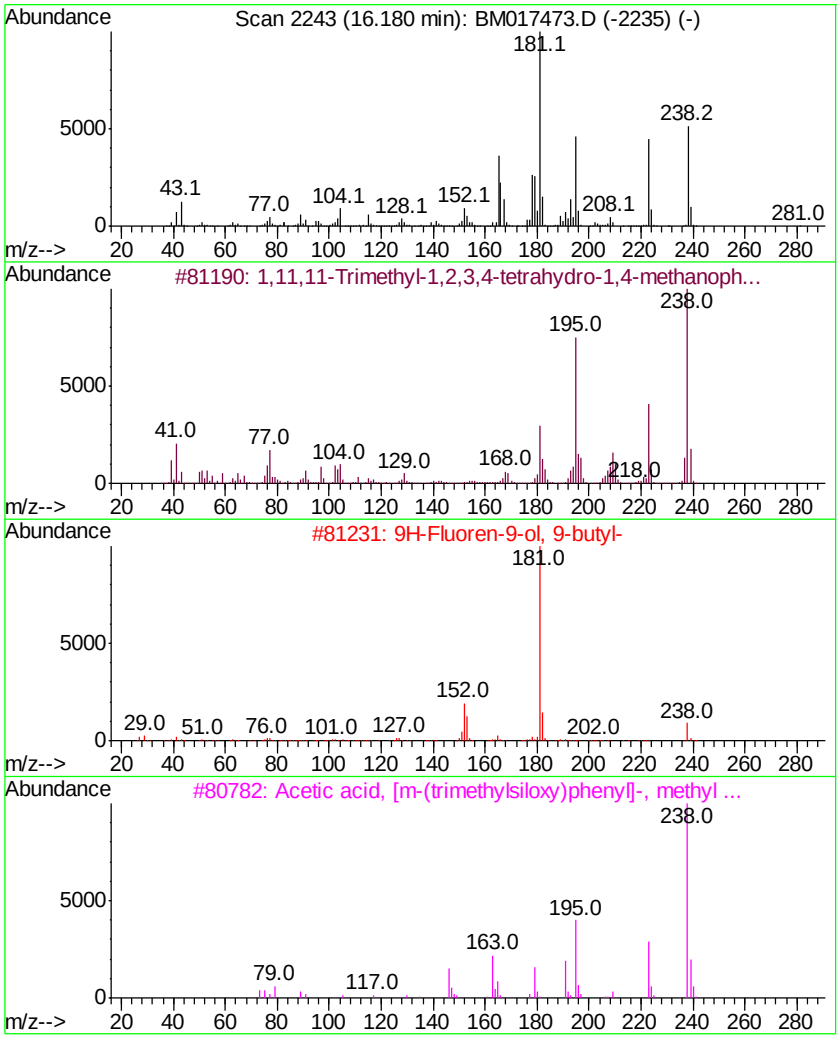
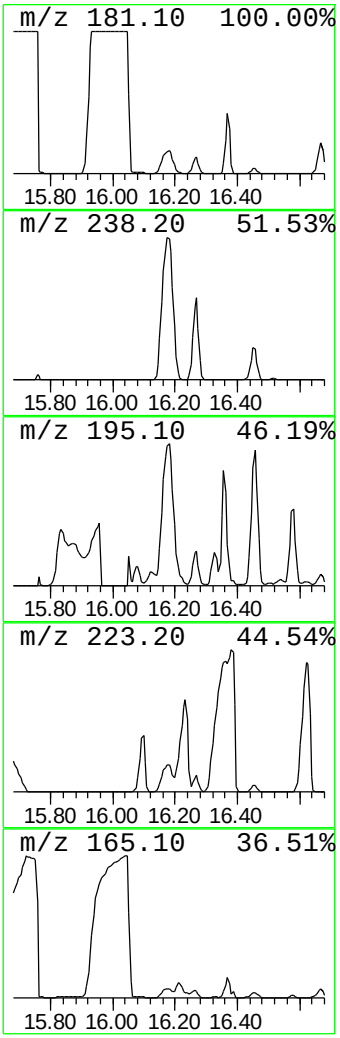
Peak Number 19 unknown-01 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	8.31 ng/ul	17833600	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,11,11-Trimethyl-1,2,3,4-tetrah...	238	C16H18N2	1000210-51-9	42
2	9H-Fluoren-9-ol, 9-butyl-	238	C17H18O	005806-10-0	38
3	Acetic acid, [m-(trimethylsiloxy...	238	C12H18O3Si	027798-61-4	35
4	4-(2-p-Tolylvinyl)benzoic acid	238	C16H14O2	043122-74-3	35
5	Benzene, 1,1'-[1-(methylthio)eth...	228	C15H16S	054851-63-7	35





Library Search Compound Report

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Acq On : 01 Nov 2018 19:48
Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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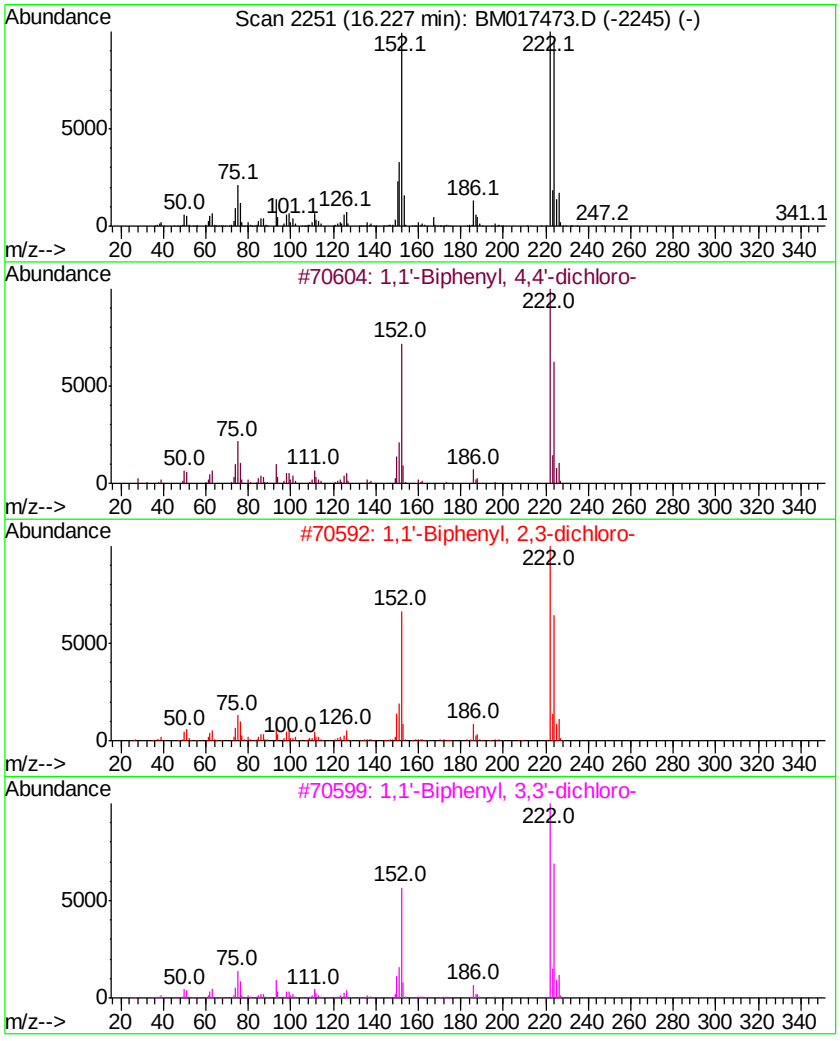
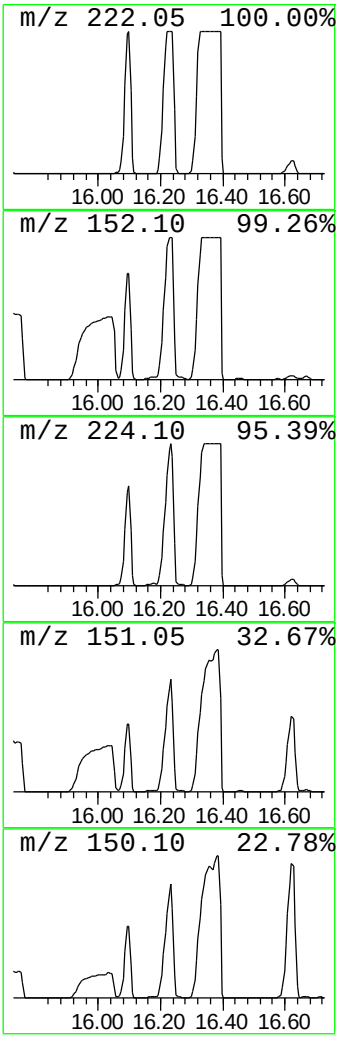
Peak Number 20 1,1'-Biphenyl, 4,4'-dichloro- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	46.54 ng/ul	99887000	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	96
2	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	96
3	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	95
4	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	94
5	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
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Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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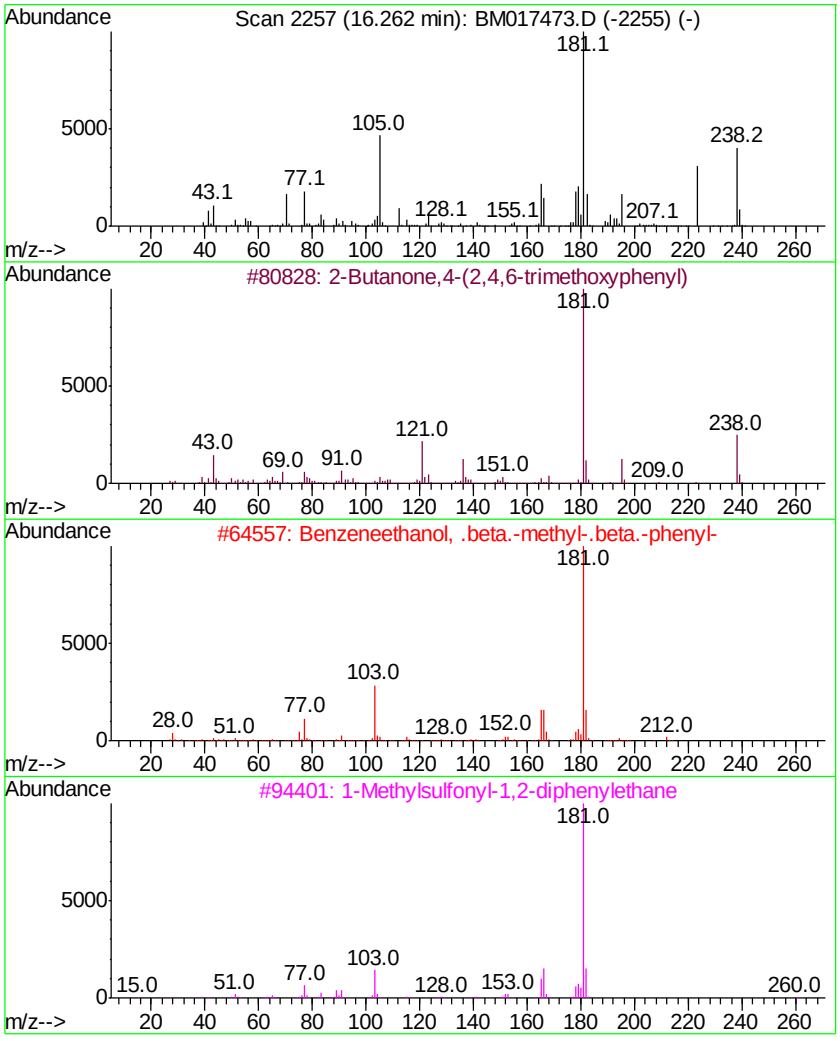
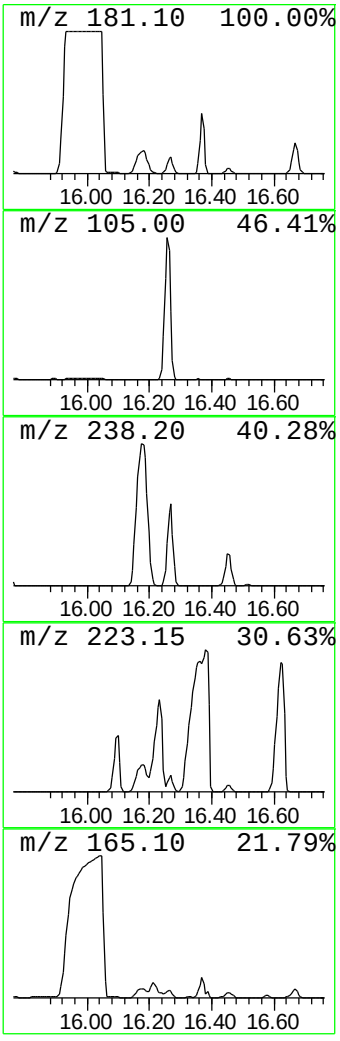
Peak Number 21 2-Butanone,4-(2,4,6-trimeth... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.26	5.66 ng/ul	12148400	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone,4-(2,4,6-trimethoxyph...	238	C13H18O4	053581-92-3	50
2	Benzeneethanol, .beta.-methyl-.b...	212	C15H16O	074421-26-4	38
3	1-Methylsulfonyl-1,2-diphenylethane	260	C15H16O2S	015733-05-8	38
4	2-Phenyl-3-(3-methylphenyl)-oxirane	210	C15H14O	1000147-20-0	37
5	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	35





Library Search Compound Report

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Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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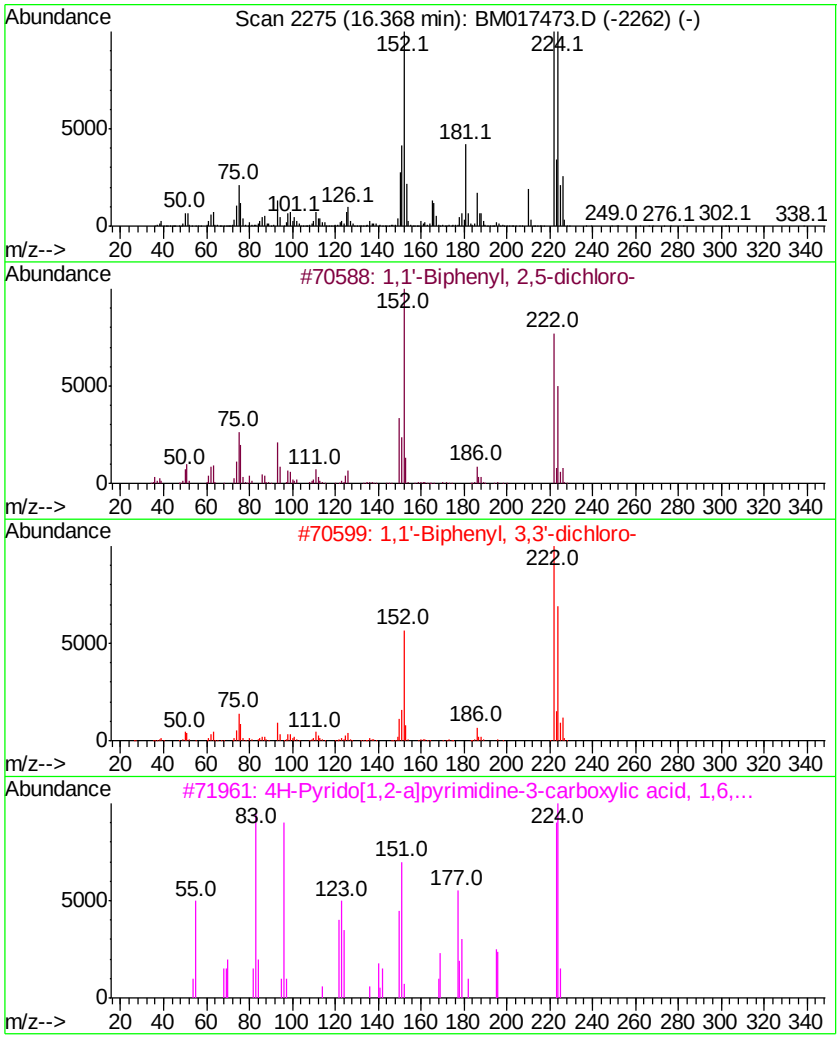
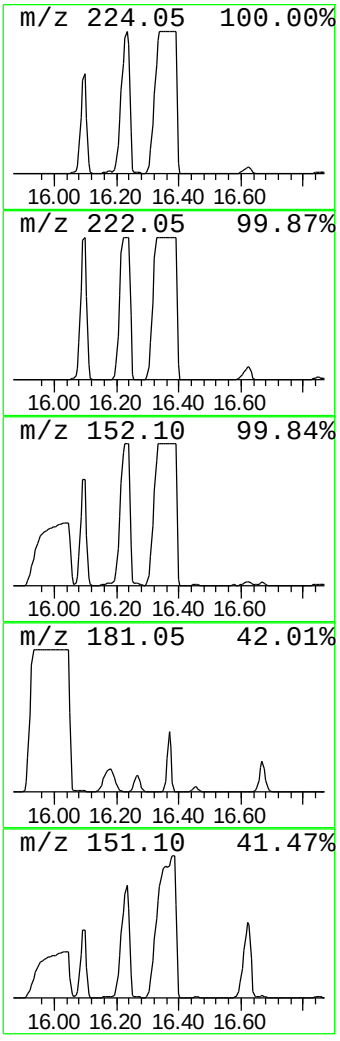
Peak Number 22 1,1'-Biphenyl, 2,5-dichloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	131.45 ng/ul	282120000	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,5-dichloro-	222	C12H8Cl2	034883-39-1	78
2	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	70
3	4H-Pyrido[1,2-a]pyrimidine-3-car...	224	C11H16N2O3	039080-62-1	68
4	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	60
5	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	60





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Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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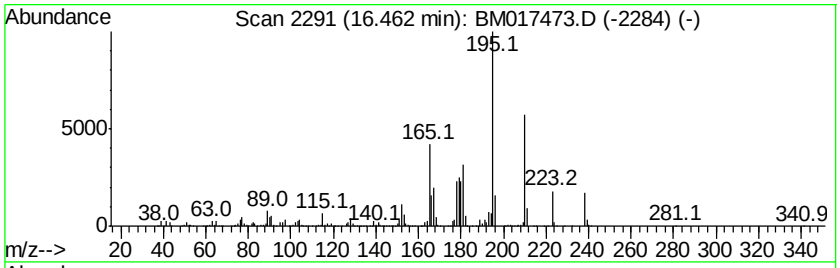
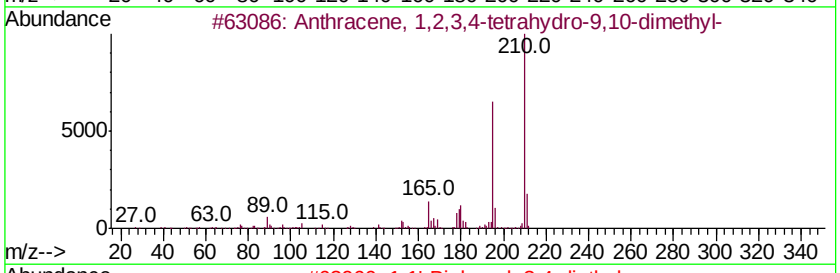
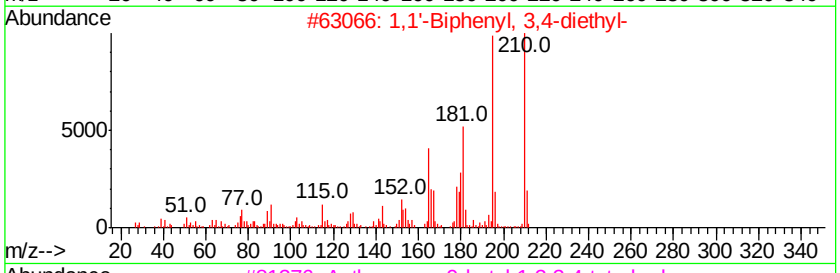
Peak Number 23 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 46

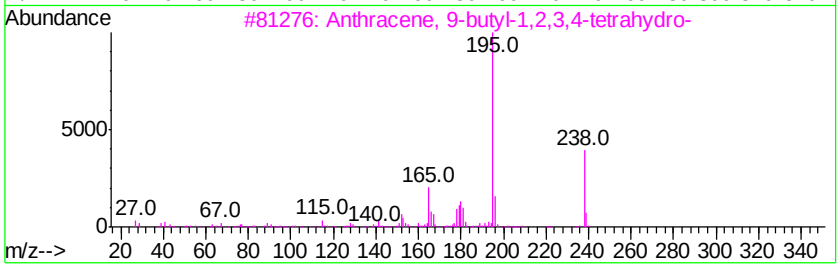
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	2.65 ng/ul	5694860	Phenanthrene-d10	17.12

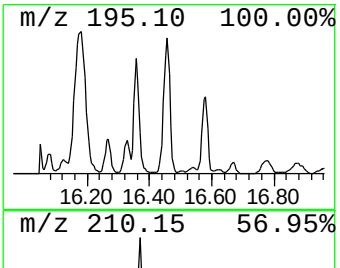
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-9...	210	C16H18	094573-50-9	95
2	1,1'-Biphenyl, 3,4-diethyl-	210	C16H18	061141-66-0	83
3	Anthracene, 9-butyl-1,2,3,4-tetr...	238	C18H22	1000151-39-2	64
4	Anthracene, 1,2,3,4-tetrahydro-9...	224	C17H20	101580-33-0	64
5	1,1'-Biphenyl, 2,2',5,5'-tetrame...	210	C16H18	003075-84-1	64

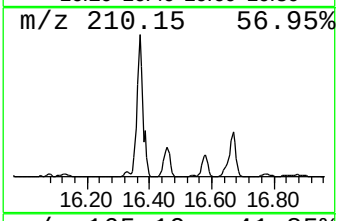


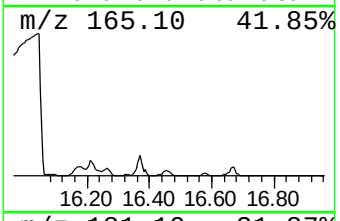


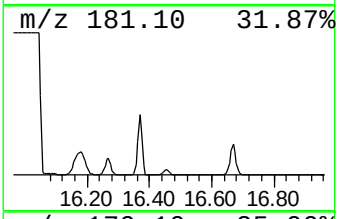


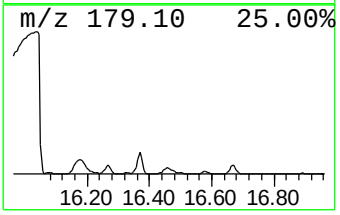












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Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

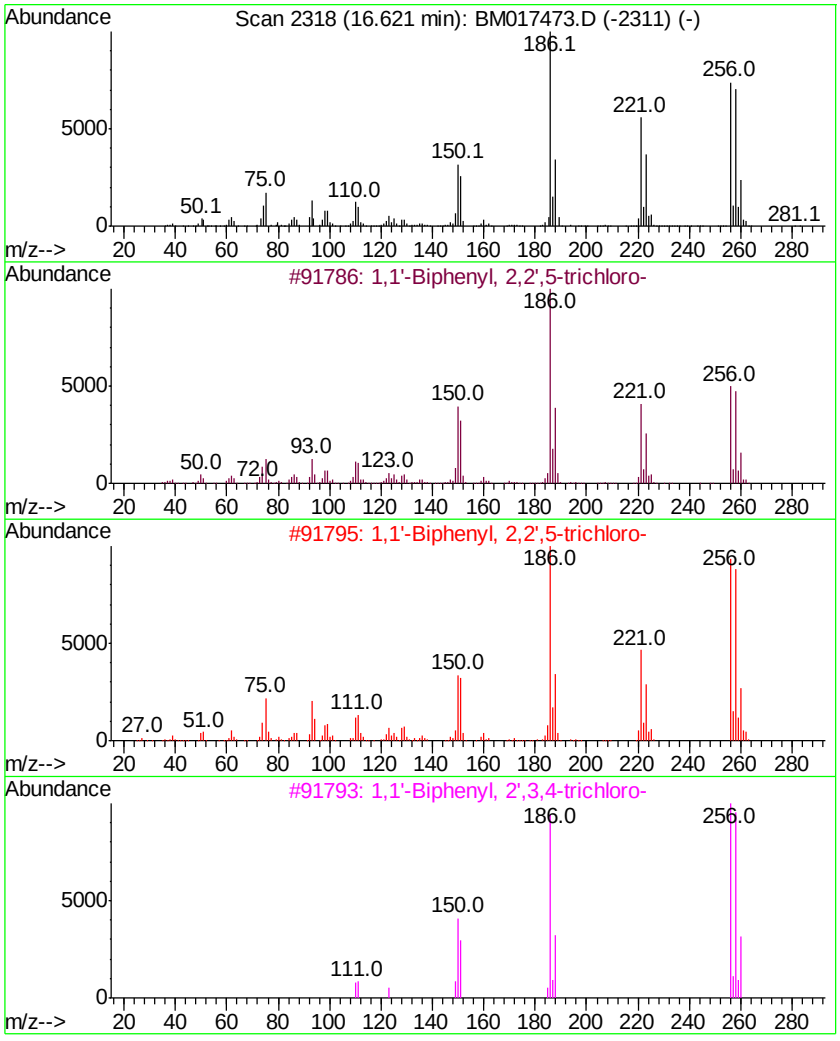
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

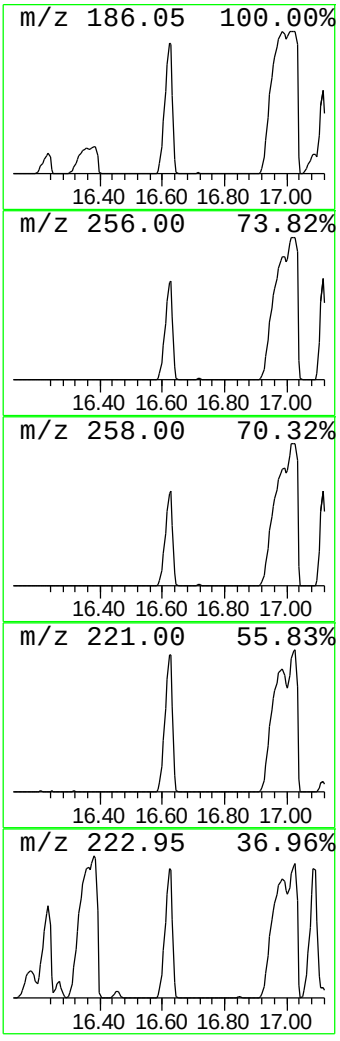
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	45.58 ng/ul	97820700	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
2	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	98
3	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98
4	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	98
5	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017473.D
Acq On : 01 Nov 2018 19:48
Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

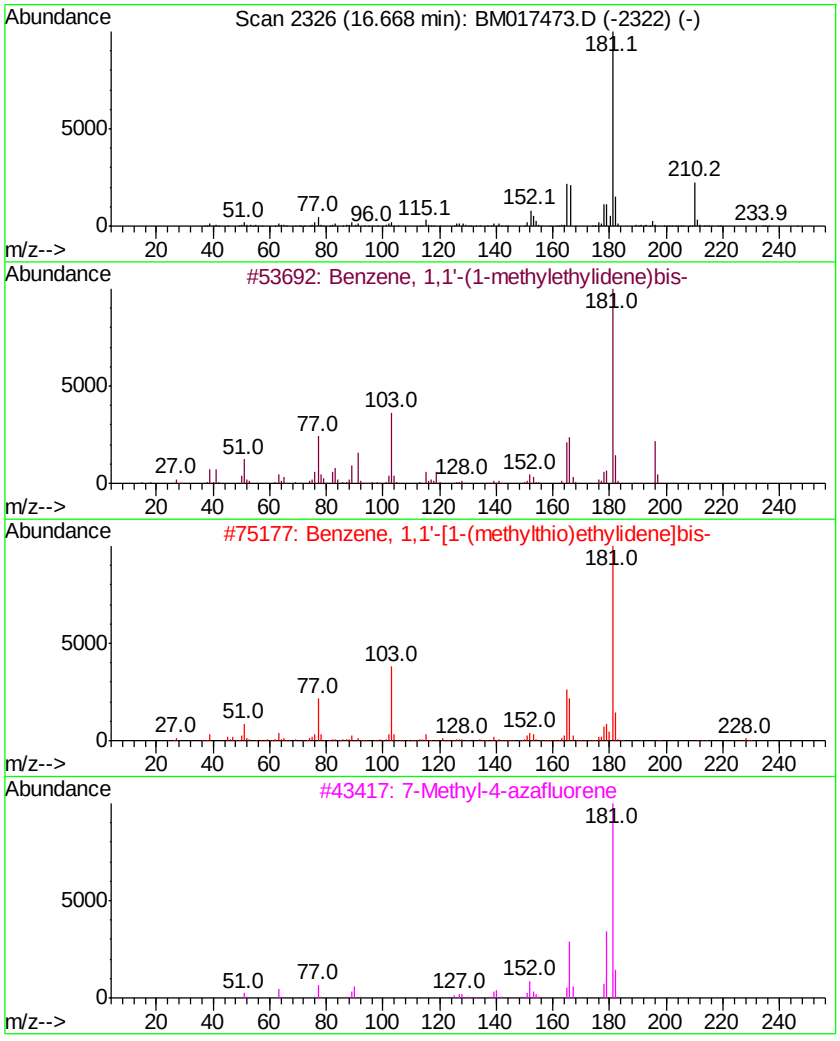
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

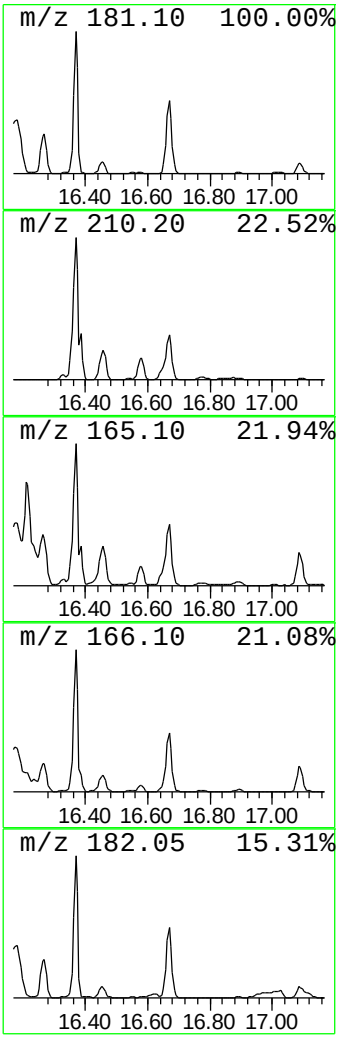
****

Peak Number 25 Benzene, 1,1'-(1-methylethy... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	3.72 ng/ul	7992130	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1-methylethylidene...	196	C15H16	000778-22-3	64
2	Benzene, 1,1'-[1-(methylthio)eth...	228	C15H16S	054851-63-7	56
3	7-Methyl-4-azafluorene	181	C13H11N	064291-99-2	50
4	Benzene, 1,1'-(1-methylethylidene...	196	C15H16	000778-22-3	50
5	1-Methylcarbazole	181	C13H11N	006510-65-2	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017473.D
Acq On : 01 Nov 2018 19:48
Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

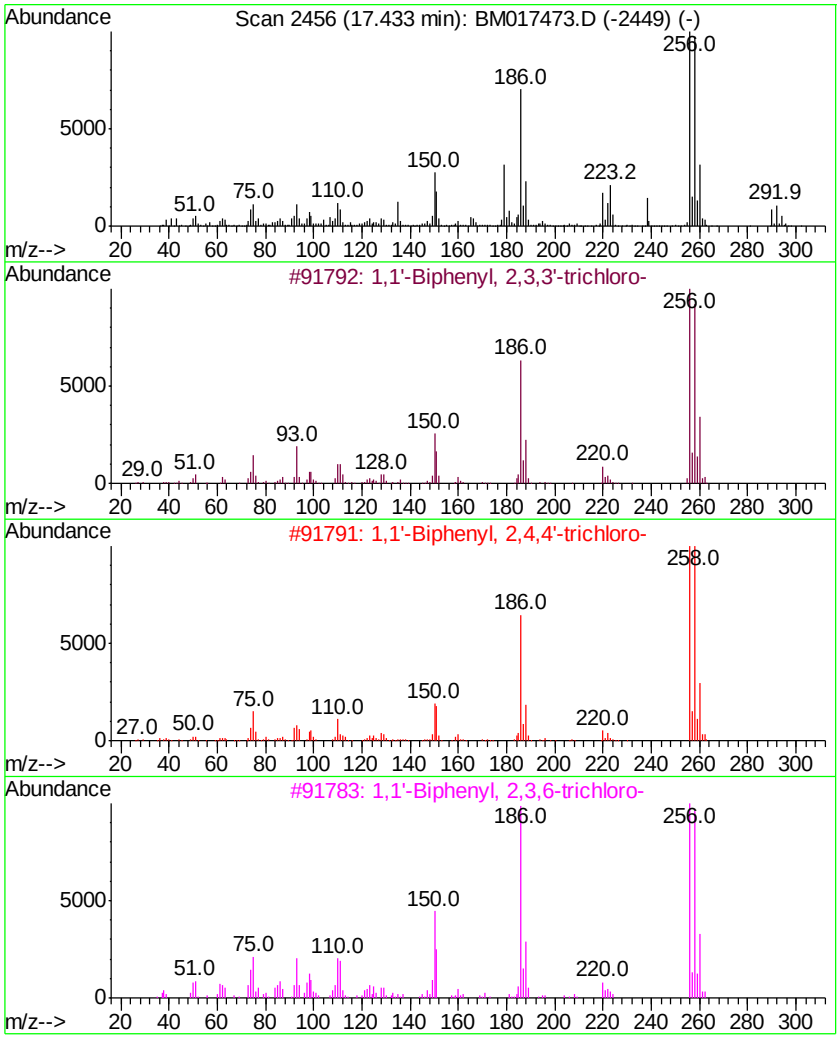
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

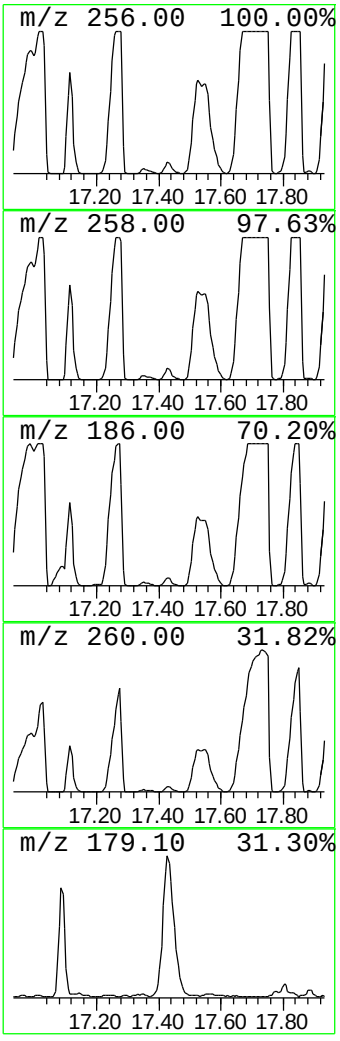
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 1,1'-Biphenyl, 2,3,3'-trich... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.43	5.36 ng/ul	11500900	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	99
2	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
3	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	99
4	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
5	1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017473.D
Acq On : 01 Nov 2018 19:48
Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

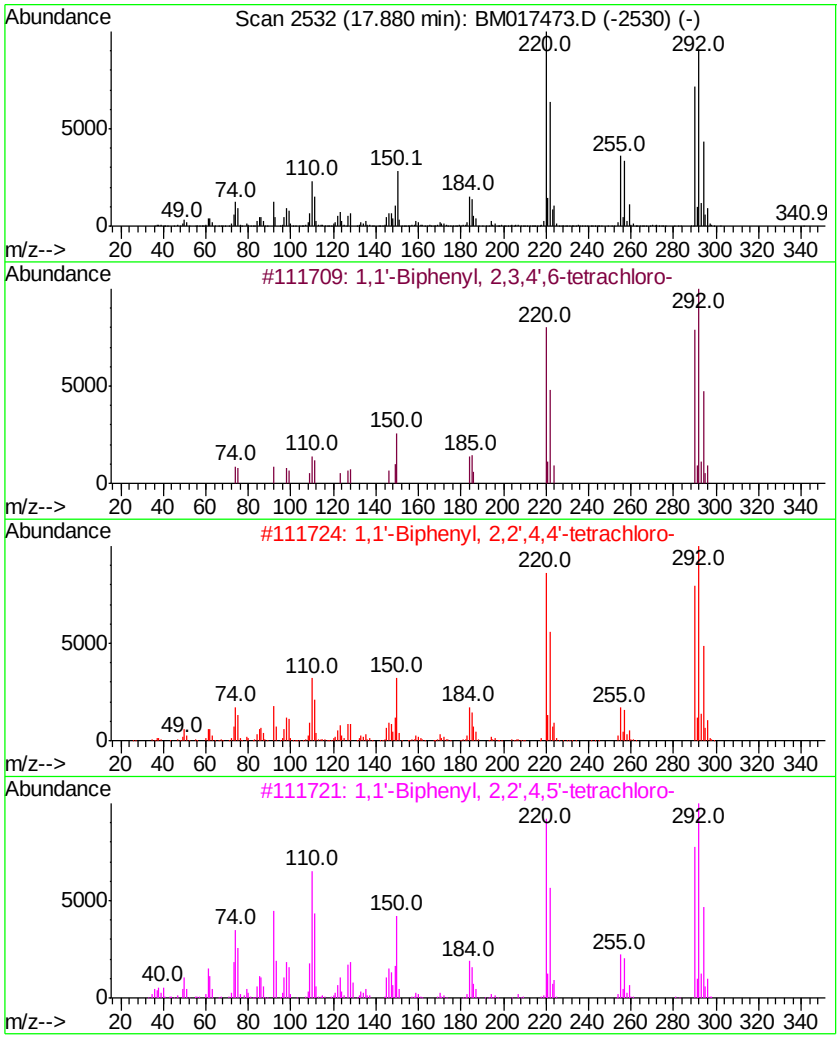
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

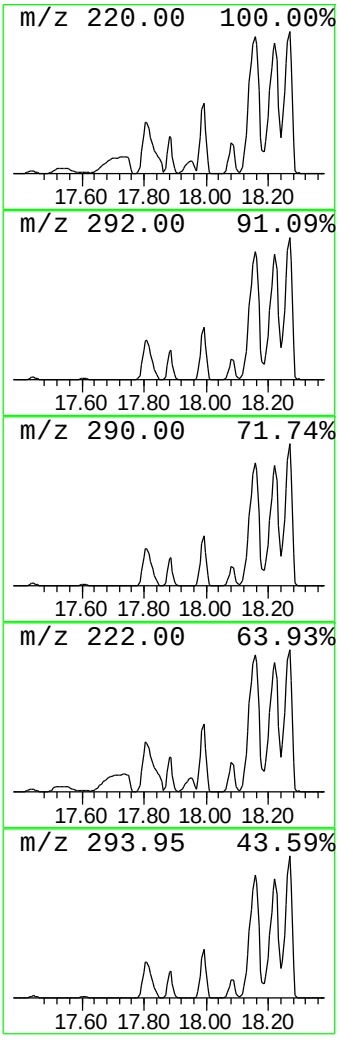
****

Peak Number 32 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.88	8.35 ng/ul	17922900	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017473.D
Acq On : 01 Nov 2018 19:48
Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

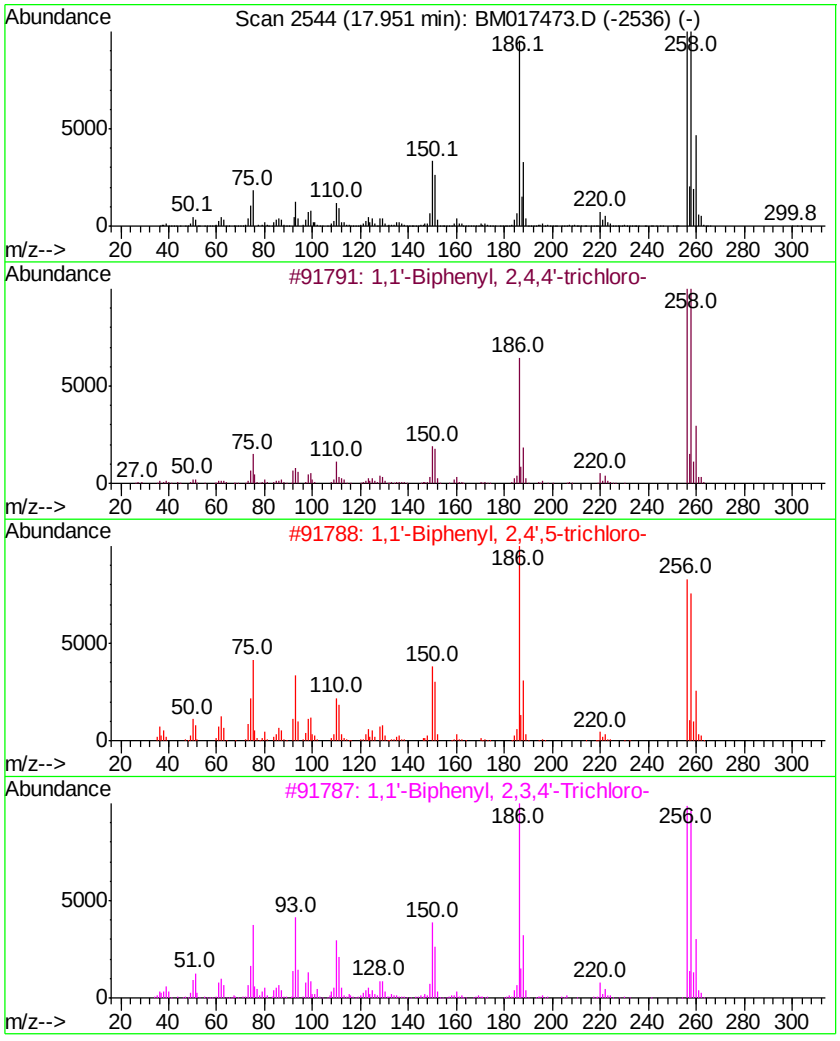
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

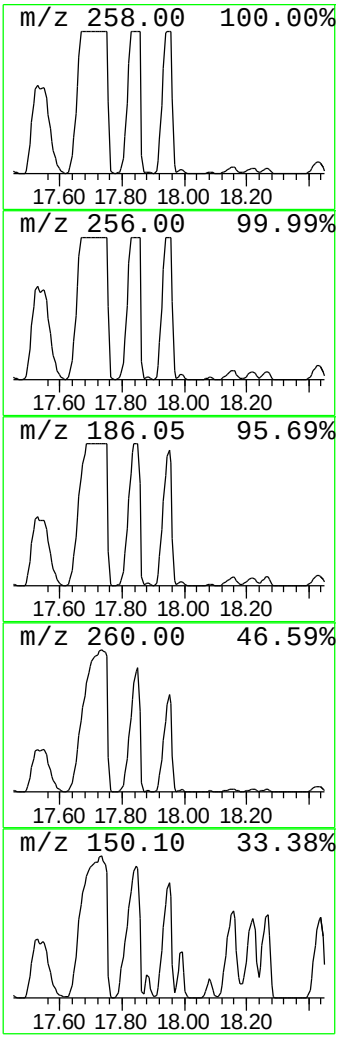
****

Peak Number 33 1,1'-Biphenyl, 2,4,4'-trich... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	59.69 ng/ul	128119000	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	96
2	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	96
3	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	96
4	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	96
5	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017473.D
Acq On : 01 Nov 2018 19:48
Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

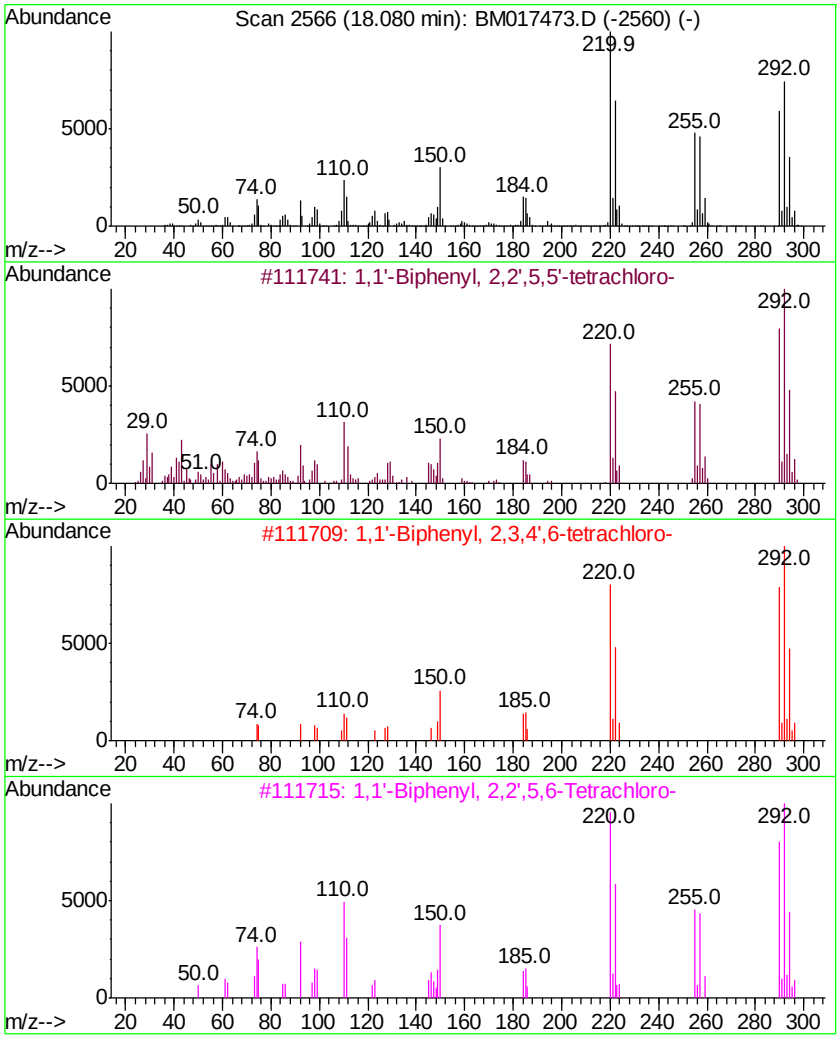
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

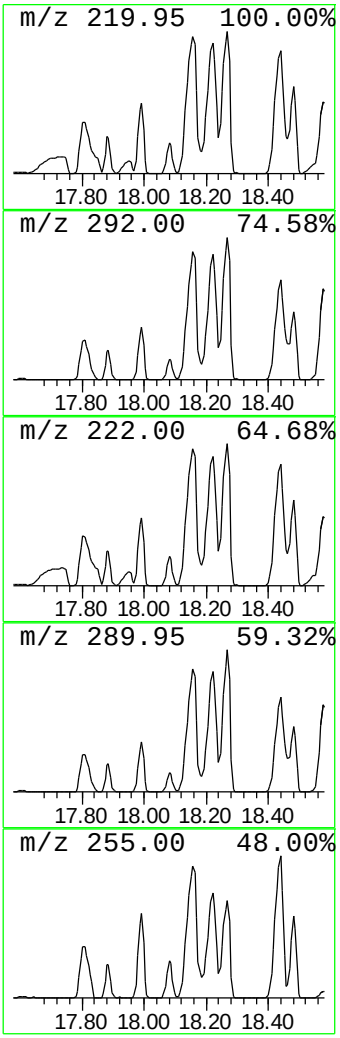
****

Peak Number 35 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	8.78 ng/ul	18851500	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
2	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
3	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
4	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
5	1,1'-Biphenyl, 2,2',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017473.D
Acq On : 01 Nov 2018 19:48
Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

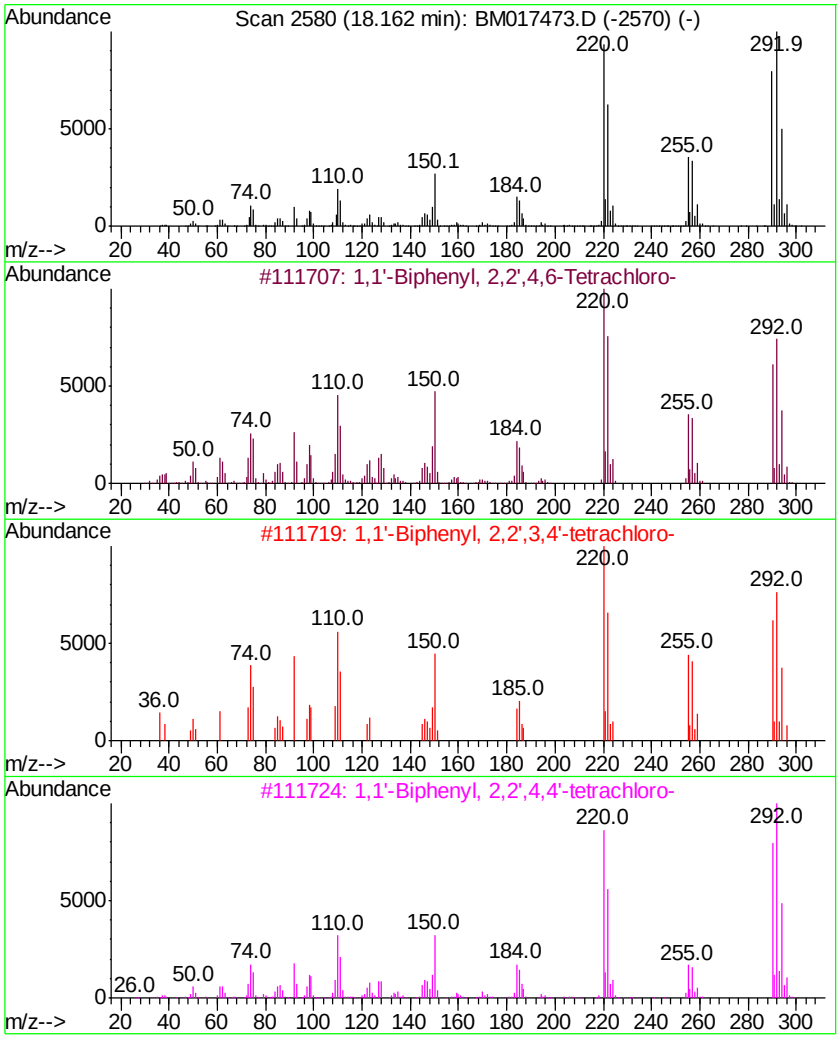
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

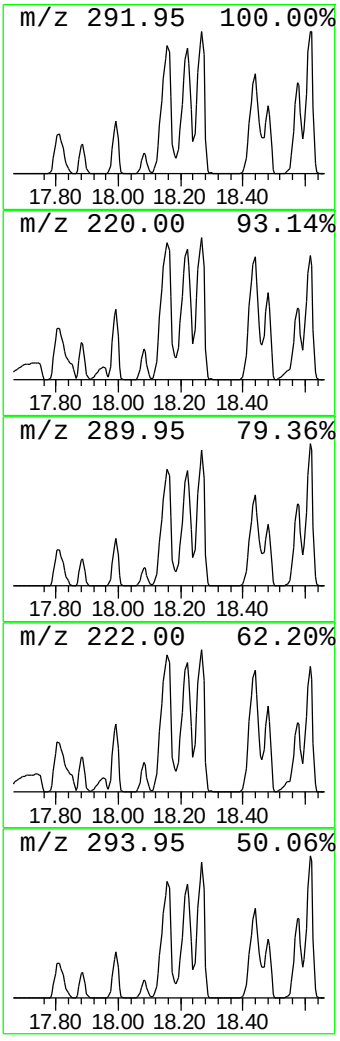
****

Peak Number 36 1,1'-Biphenyl, 2,2',4,6-Tet... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	69.06 ng/ul	148219000	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
2	1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017473.D
Acq On : 01 Nov 2018 19:48
Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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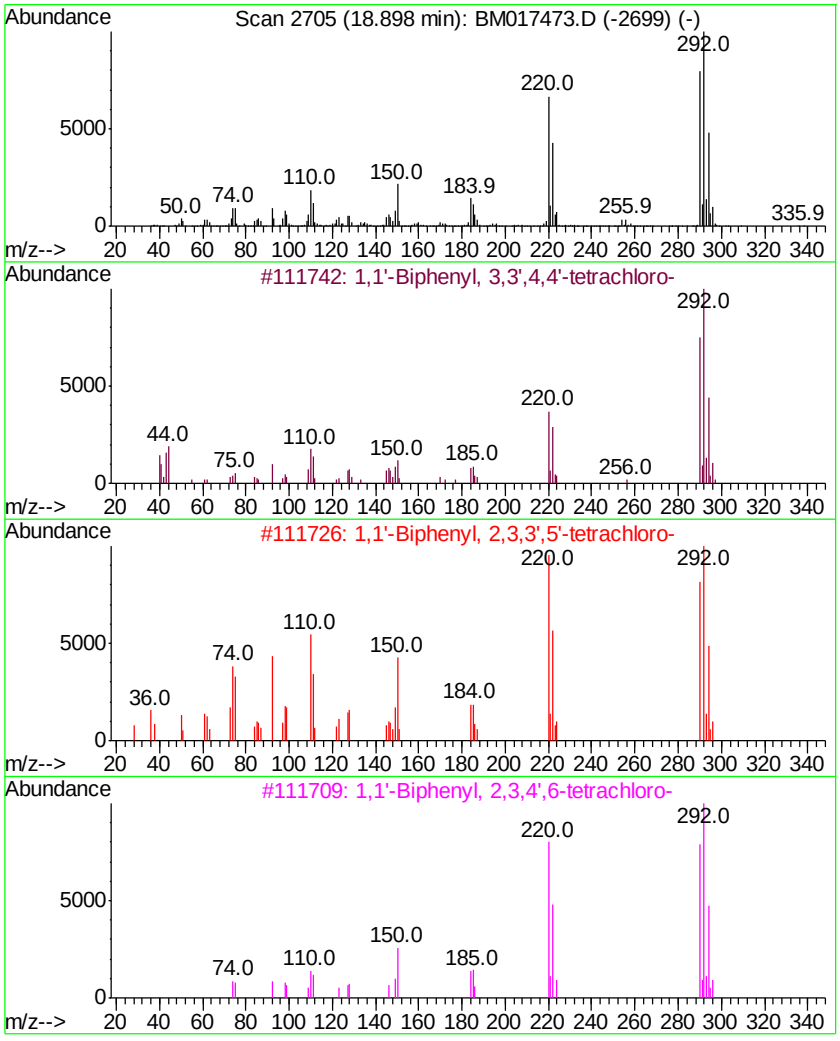
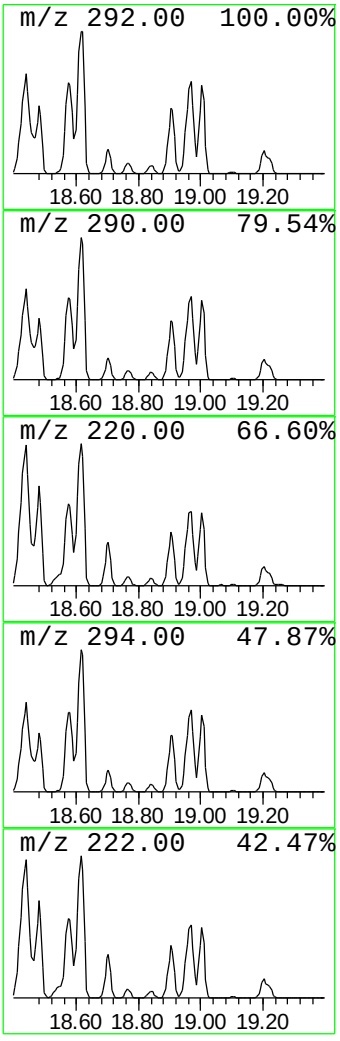
Peak Number 47 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	17.93 ng/ul	38485400	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
2	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
3	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
4	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017473.D
Acq On : 01 Nov 2018 19:48
Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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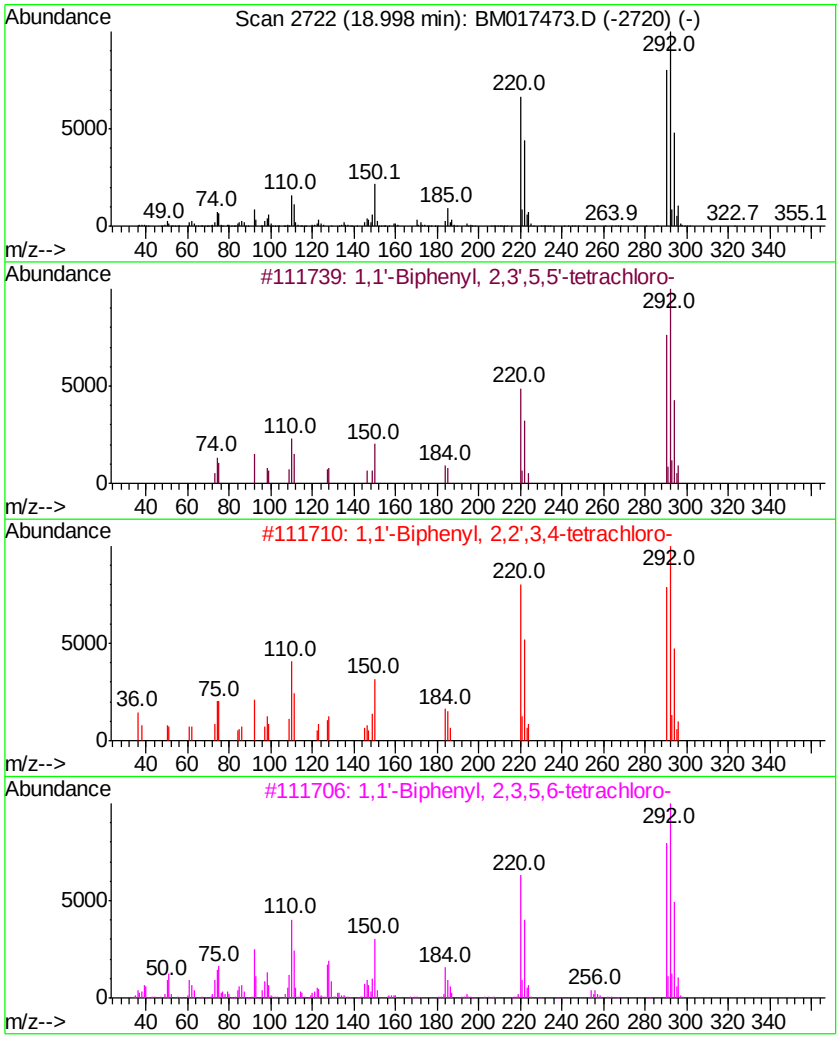
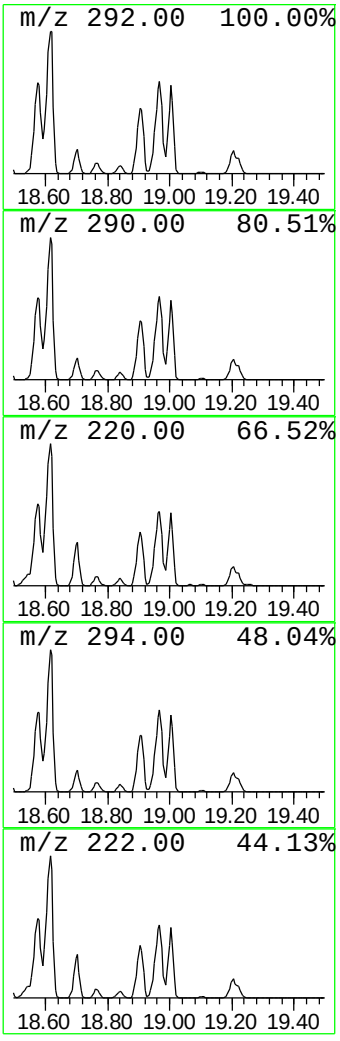
Peak Number 49 1,1'-Biphenyl, 2,3',5,5'-te... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	21.17 ng/ul	45445500	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	94
2	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	94
3	1,1'-Biphenyl, 2,3,5,6-tetrachloro-	290	C12H6Cl4	033284-54-7	94
4	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	94
5	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017473.D
Acq On : 01 Nov 2018 19:48
Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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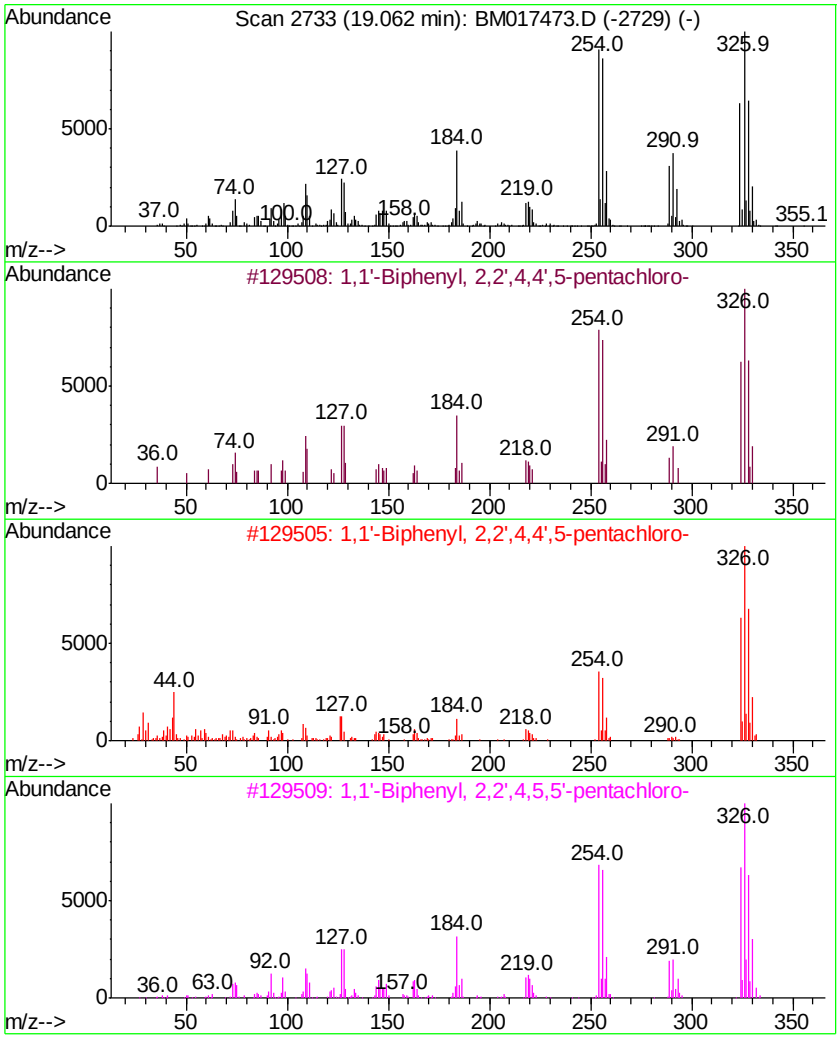
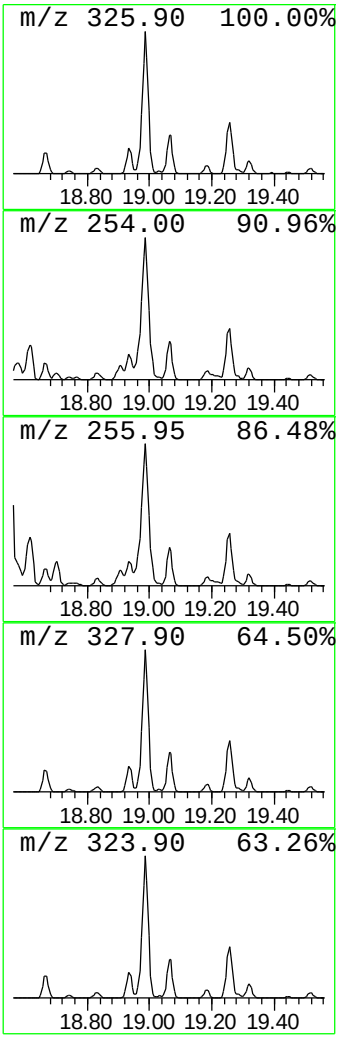
Peak Number 50 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	2.12 ng/ul	4552130	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
2	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
3	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99
4	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
5	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110118\
Data File : BM017473.D
Acq On : 01 Nov 2018 19:48
Operator : MJ/SJ
Sample : J5704-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40E4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Methyl-n-1-trid...	12.63	13.8	ng/ul	5885660	3	14.29	8538080	20.0
(DEL) Alkane: Cyc...	12.69	22.8	ng/ul	9720180	3	14.29	8538080	20.0
(DEL) Alkane: Cyc...	12.77	3.2	ng/ul	1363840	3	14.29	8538080	20.0
(DEL) Alkane: Cyc...	12.93	22.4	ng/ul	9547030	3	14.29	8538080	20.0
(DEL) Alkane: Cyc...	12.96	6.8	ng/ul	2890250	3	14.29	8538080	20.0
(DEL) Alkane: Cyc...	13.02	28.6	ng/ul	12193400	3	14.29	8538080	20.0
(DEL) Alkane: Str...	14.21	2.3	ng/ul	966862	3	14.29	8538080	20.0
Butylated Hydroxy...	14.36	410.3	ng/ul	175170000	3	14.29	8538080	20.0
1,1'-Biphenyl, 4-...	14.43	160.0	ng/ul	68295200	3	14.29	8538080	20.0
Decane, 1,1'-oxybis-	14.62	7.4	ng/ul	3171770	3	14.29	8538080	20.0
(DEL) Alkane: Cyc...	14.76	2.3	ng/ul	997659	3	14.29	8538080	20.0
Naphthalene, 1-me...	15.07	4.2	ng/ul	1796720	3	14.29	8538080	20.0
4-Ethylbiphenyl	15.14	60.0	ng/ul	25592400	3	14.29	8538080	20.0
9H-Fluorene, 9-me...	15.52	48.8	ng/ul	20819000	3	14.29	8538080	20.0
1,1'-Biphenyl, 2,...	15.61	571.1	ng/ul	243813000	3	14.29	8538080	20.0
1,1'-Biphenyl, 4-...	15.99	137.7	ng/ul	295438000	4	17.12	42925200	20.0
1,1'-Biphenyl, 2,...	16.10	24.4	ng/ul	52283700	4	17.12	42925200	20.0
unknown-01	16.18	8.3	ng/ul	17833600	4	17.12	42925200	20.0
1,1'-Biphenyl, 4,...	16.23	46.5	ng/ul	99887000	4	17.12	42925200	20.0
2-Butanone,4-(2,4...	16.26	5.7	ng/ul	12148400	4	17.12	42925200	20.0
1,1'-Biphenyl, 2,...	16.37	131.4	ng/ul	282120000	4	17.12	42925200	20.0
Anthracene, 1,2,3...	16.46	2.6	ng/ul	5694860	4	17.12	42925200	20.0
1,1'-Biphenyl, 2,...	16.62	45.6	ng/ul	97820700	4	17.12	42925200	20.0
Benzene, 1,1'-(1-...	16.67	3.7	ng/ul	7992130	4	17.12	42925200	20.0
1,1'-Biphenyl, 2,...	17.43	5.4	ng/ul	11500900	4	17.12	42925200	20.0
1,1'-Biphenyl, 2,...	17.88	8.3	ng/ul	17922900	4	17.12	42925200	20.0
1,1'-Biphenyl, 2,...	17.95	59.7	ng/ul	128119000	4	17.12	42925200	20.0
1,1'-Biphenyl, 2,...	18.08	8.8	ng/ul	18851500	4	17.12	42925200	20.0
1,1'-Biphenyl, 2,...	18.16	69.1	ng/ul	148219000	4	17.12	42925200	20.0
1,1'-Biphenyl, 3,...	18.90	17.9	ng/ul	38485400	4	17.12	42925200	20.0
1,1'-Biphenyl, 2,...	19.00	21.2	ng/ul	45445500	4	17.12	42925200	20.0
1,1'-Biphenyl, 2,...	19.06	2.1	ng/ul	4552130	4	17.12	42925200	20.0