LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM103118\
Data File : BM017444.D
Acq On : 31 Oct 2018 23:53
Operator : MJ/SJ
Sample : J5701-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40G2

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	6.828	645	653	666	rBV2	895867	1971082	0.32%	0.077%
2	6.993	674	681	693	rVB	729346	1142338	0.18%	0.045%
3	7.181	706	713	724	rBV	1012328	1610592	0.26%	0.063%
4	7.645	783	792	795	rBV	1372526	2345898	0.38%	0.092%
5	7.681	795	798	809	rVB	985533	1544305	0.25%	0.060%
6	8.351	906	912	924	rVB	1055681	1745450	0.28%	0.068%
7	8.798	981	988	995	rBV	834463	1415066	0.23%	0.055%
8	9.510	1101	1109	1124	rBV	715227	1246132	0.20%	0.049%
9	10.045	1193	1200	1219	rBV	1050631	2056046	0.33%	0.080%
10	10.416	1251	1263	1270	rBV	1954662	3377111	0.55%	0.132%
11	10.563	1279	1288	1305	rBV	944020	1880688	0.30%	0.073%
12	12.633	1635	1640	1645	rBV	1312765	1754510	0.28%	0.068%
13	12.692	1645	1650	1655	rVV	1983608	2712081	0.44%	0.106%
14	12.780	1661	1665	1670	rVB	504872	702791	0.11%	0.027%
15	12.933	1685	1691	1694	rBV	1636004	2216443	0.36%	0.086%
16	12.969	1694	1697	1702	rVV	713336	927920	0.15%	0.036%
17	13.110	1714	1721	1726	rBV2	4132169	5959686	0.96%	0.233%
18	13.163	1726	1730	1736	rVB	949695	1300736	0.21%	0.051%
19	13.710	1816	1823	1827	rBV	2047024	2980270	0.48%	0.116%
20	13.751	1827	1830	1838	rVB	742942	1068749	0.17%	0.042%
21	13.974	1856	1868	1874	rBV	2543148	3880538	0.63%	0.151%
22	14.286	1911	1921	1923	rVV3	3214974	5565906	0.90%	0.217%
23	14.339	1923	1930	1934	rVV2	56382002	94540863	15.26%	3.689%
24	14.380	1934	1937	1939	rVV	1107723	1570343	0.25%	0.061%
25	14.416	1939	1943	1954	rVB	10853094	16576174	2.68%	0.647%
26	14.521	1954	1961	1969	rBV2	674293	1394056	0.23%	0.054%
27	15.133	2059	2065	2073	rVB	5123072	7742462	1.25%	0.302%
28	15.245	2073	2084	2088	rBV2	5853309	9199896	1.49%	0.359%
29	15.292	2088	2092	2096	rVB	2600801	3702336	0.60%	0.144%
30	15.345	2096	2101	2116	rVB	11180320	18252525	2.95%	0.712%
31	15.504	2116	2128	2132	rBV	7436953	14151410	2.28%	0.552%
32	15.592	2132	2143	2145	rBV5	76333603	192857816	31.13%	7.526%
33	15.810	2171	2180	2188	rBV3	461798	1586761	0.26%	0.062%
34	15.957	2190	2205	2213	rVB4	78857956	295067094	47.63%	11.514%

LSC Area Percent Report

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Acq On : 31 Oct 2018 23:53
Operator : MJ/SJ
Sample : J5701-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40G2

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	16.027	2213	2217	2223	rVB	11813830	14926740	2.41%	0.582%
36	16.139	2230	2236	2239	rBV	4396830	6398595	1.03%	0.250%
37	16.180	2239	2243	2247	rBV	21246844	26140623	4.22%	1.020%
38	16.315	2254	2266	2270	rBV3	72002200	147436264	23.80%	5.753%
39	16.345	2270	2271	2276	rVB	1307541	1288382	0.21%	0.050%
40	16.427	2281	2285	2292	rVB	1398835	1812780	0.29%	0.071%
41	16.586	2302	2312	2317	rBV	21458879	30230497	4.88%	1.180%
42	16.651	2317	2323	2328	rVB2	2214552	3177551	0.51%	0.124%
43	16.939	2363	2372	2375	rBV2	32034329	60898219	9.83%	2.376%
44	16.980	2375	2379	2384	rVV	50667155	73163624	11.81%	2.855%
45	17.051	2384	2391	2394	rVV2	29386677	45263695	7.31%	1.766%
46	17.080	2394	2396	2404	rVV	10230504	12270791	1.98%	0.479%
47	17.162	2404	2410	2414	rVV	3642398	5091312	0.82%	0.199%
48	17.233	2414	2422	2428	rVB2	37014738	60377366	9.75%	2.356%
49	17.333	2434	2439	2446	rBV	407185	817931	0.13%	0.032%
50	17.415	2446	2453	2460	rBV3	1479413	2872518	0.46%	0.112%
51	17.504	2462	2468	2471	rBV	13706856	21265956	3.43%	0.830%
52	17.533	2471	2473	2479	rVB	8483544	10270079	1.66%	0.401%
53	17.674	2486	2497	2503	rBV2	69146622	196855562	31.78%	7.682%
54	17.792	2508	2517	2522	rVV	44889546	74988311	12.11%	2.926%
55	17.845	2522	2526	2531	rVV	3699719	4892337	0.79%	0.191%
56	17.909	2531	2537	2541	rVV	29408703	40390213	6.52%	1.576%
57	17.957	2541	2545	2555	rVB	8739868	11392370	1.84%	0.445%
58	18.062	2557	2563	2567	rBV	2869722	4054447	0.65%	0.158%
59	18.127	2567	2574	2580	rVV	25224598	39886170	6.44%	1.556%
60	18.186	2580	2584	2588	rVV	21488716	30937042	4.99%	1.207%
61	18.233	2588	2592	2597	rVB	25099509	32489467	5.24%	1.268%
62	18.409	2615	2622	2627	rBV	20587523	33667286	5.43%	1.314%
63	18.456	2627	2630	2634	rVV	10236114	12585132	2.03%	0.491%
64	18.515	2634	2640	2643	rVV	17341893	24543284	3.96%	0.958%
65	18.551	2643	2646	2649	rVV	11595273	15302974	2.47%	0.597%
66	18.586	2649	2652	2658	rVB	20902092	25105416	4.05%	0.980%
67	18.686	2664	2669	2676	rVB	4564151	6397957	1.03%	0.250%
68	18.756	2676	2681	2687	rVB	1083689	1459311	0.24%	0.057%
69	18.827	2688	2693	2698	rBV2	1255073	1782919	0.29%	0.070%
70	18.892	2698	2704	2708	rBV	8105119	10727291	1.73%	0.419%
71	18.945	2708	2713	2716	rVV	12503207	18264474	2.95%	0.713%

LSC Area Percent Report

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Operator : MJ/SJ
Sample : J5701-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40G2

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	18.986	2716	2720	2727	rVB2	11234753	16281848	2.63%	0.635%
73	19.051	2727	2731	2736	rBV	964252	1286349	0.21%	0.050%
74	19.192	2747	2755	2762	rVV2	2726405	6342341	1.02%	0.247%
75	19.251	2762	2765	2772	rVB2	1377459	2023861	0.33%	0.079%
76	19.445	2792	2798	2805	rBV	3904439	5554129	0.90%	0.217%
77	19.651	2827	2833	2837	rVV6	266888	746990	0.12%	0.029%
78	19.698	2837	2841	2845	rVV4	593154	896697	0.14%	0.035%
79	19.803	2855	2859	2863	rVB	924239	1040779	0.17%	0.041%
80	20.527	2978	2982	2986	rBV4	866132	1288107	0.21%	0.050%
81	20.956	3050	3055	3077	rBV	14835303	31289716	5.05%	1.221%
82	21.256	3085	3106	3113	rBV	78559476	619467057	100.00%	24.173%
83	21.362	3122	3124	3126	rVB2	71440185	49239673	7.95%	1.921%
84	21.421	3132	3134	3137	rBV	770418	917463	0.15%	0.036%
85	21.450	3137	3139	3144	rVB2	1202087	1361705	0.22%	0.053%
86	21.586	3159	3162	3166	rVB	1006778	1127146	0.18%	0.044%
87	23.327	3453	3458	3470	rVB	2502080	4880327	0.79%	0.190%
88	23.462	3476	3481	3487	rBV	2023193	3442905	0.56%	0.134%

Sum of corrected areas: 2562658053

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM103118\
Data File : BM017444.D
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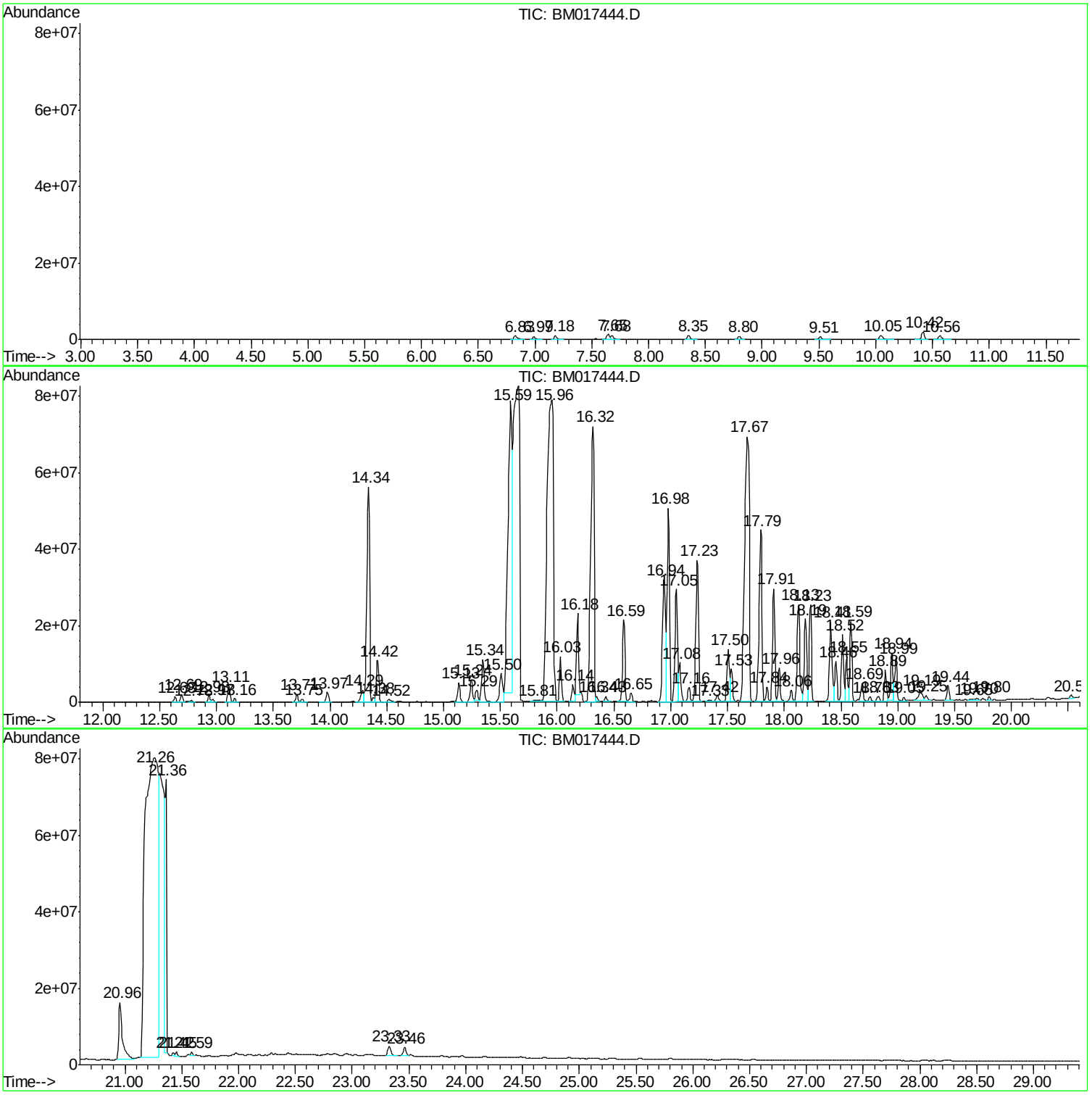
Operator : MJ/SJ
Sample : J5701-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40G2

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\BM103118\
Data File : BM017444.D
Acq On : 31 Oct 2018 23:53
Operator : MJ/SJ
Sample : J5701-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40G2

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

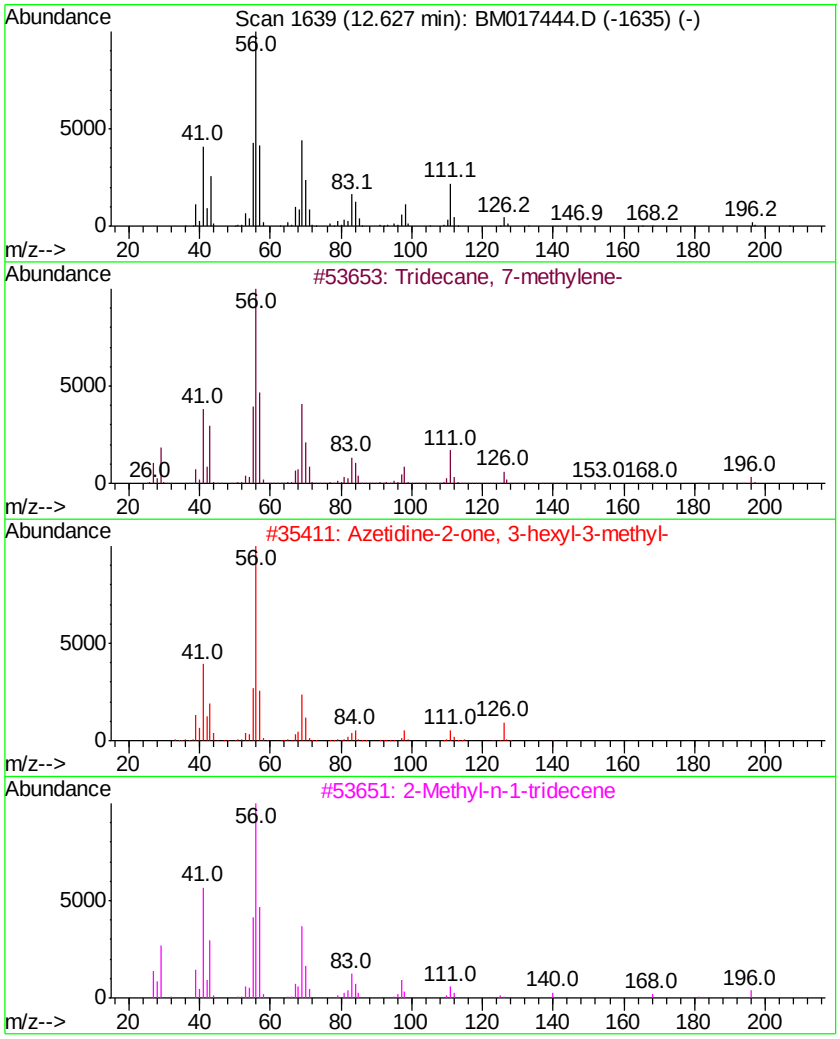
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

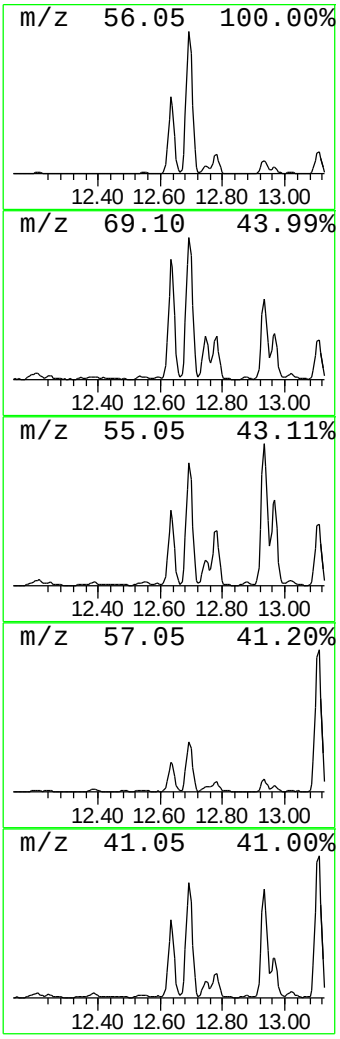
****

Peak Number 1 (DEL) Alkane: Cyclic12.63 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	6.30 ng/ul	1754510	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-methylene-	196	C14H28	019780-80-4	78
2	Azetidine-2-one, 3-hexyl-3-methyl-	169	C10H19NO	105037-97-6	72
3	2-Methyl-n-1-tridecene	196	C14H28	018094-01-4	64
4	Cyclobutane, 1-hexyl-2,3-dimethyl-	168	C12H24	055170-84-8	59
5	Cyclopentane, 3-hexyl-1,1-dimethyl-	182	C13H26	061142-65-2	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM103118\
Data File : BM017444.D
Acq On : 31 Oct 2018 23:53
Operator : MJ/SJ
Sample : J5701-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40G2

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

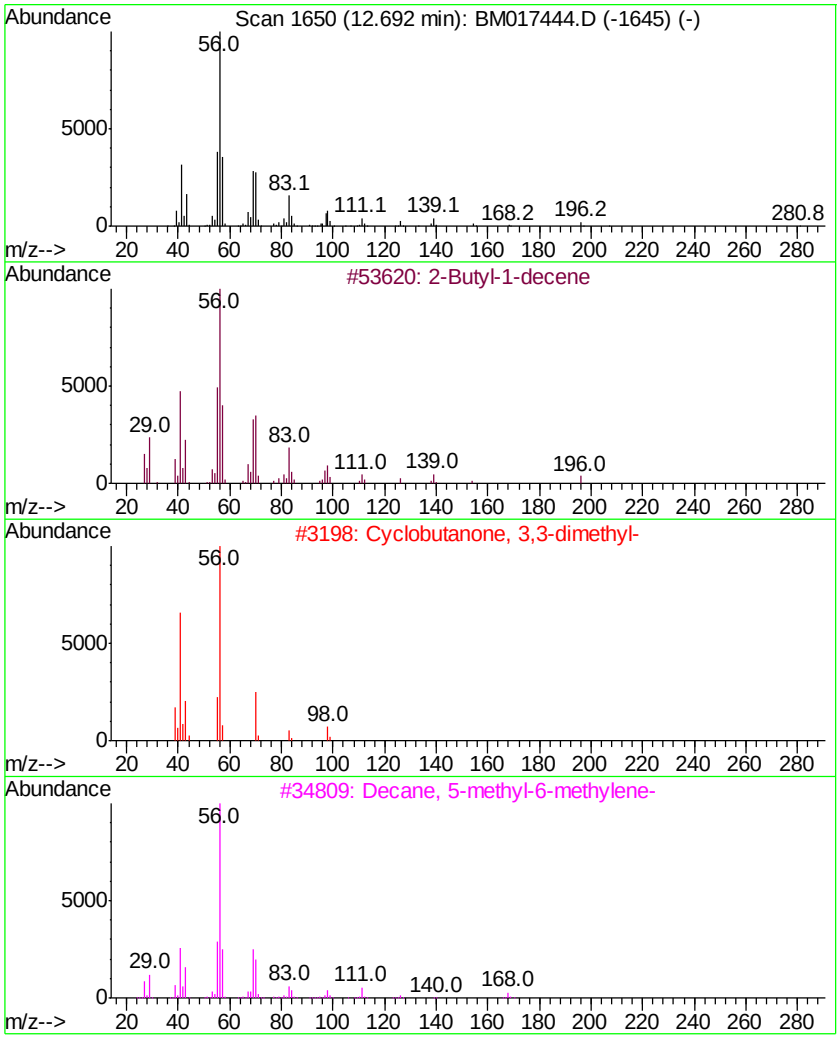
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

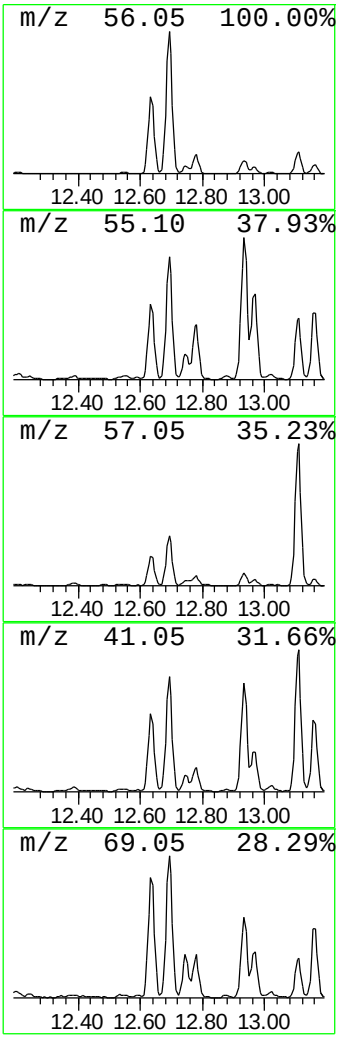
****

Peak Number 2 (DEL) Alkane: Cyclic12.69 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	9.75 ng/ul	2712080	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butyl-1-decene	196	C14H28	051655-65-3	95
2	Cyclobutanone, 3,3-dimethyl-	98	C6H10O	001192-33-2	72
3	Decane, 5-methyl-6-methylene-	168	C12H24	075029-95-7	72
4	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	72
5	Cyclopropane, 1-methyl-2-(1-meth...	140	C10H20	062238-06-6	64





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : A40G2

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

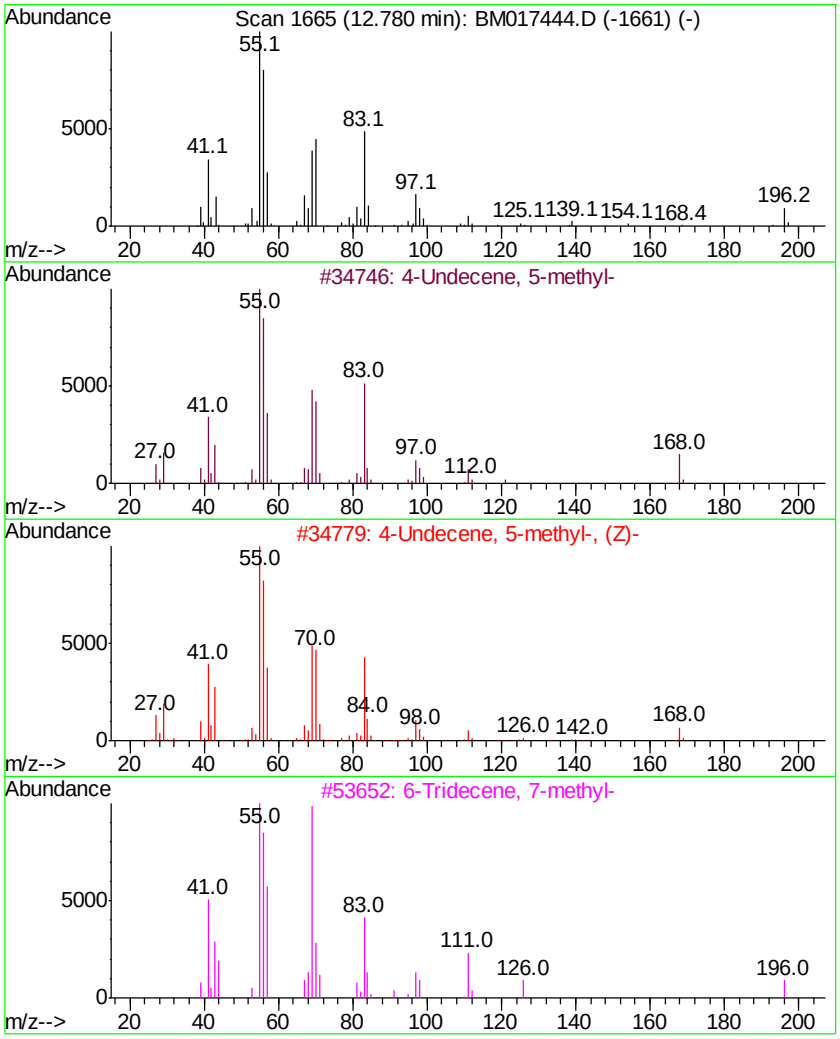
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

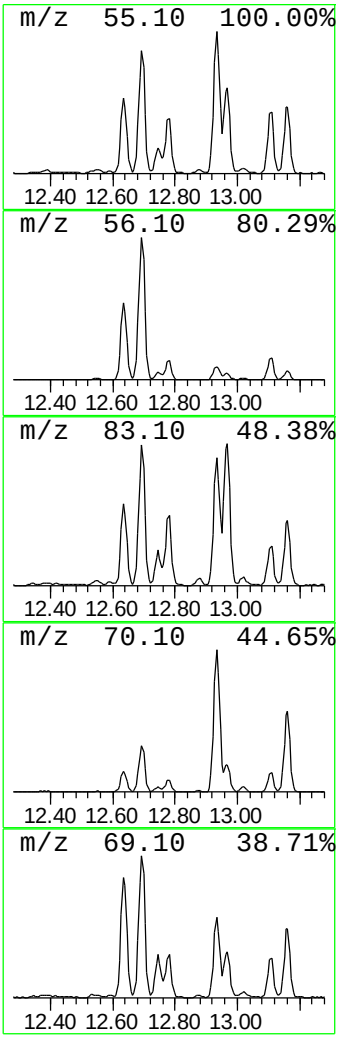
****

Peak Number 3 (DEL) Alkane: Cyclic12.78 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	2.53 ng/ul	702791	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Undecene, 5-methyl-	168	C12H24	020634-43-9	91
2	4-Undecene, 5-methyl-, (Z)-	168	C12H24	074630-69-6	83
3	6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	72
4	Cyclooctane, 1,4-dimethyl-, cis-	140	C10H20	013151-99-0	53
5	1-Octene, 2,6-dimethyl-	140	C10H20	006874-29-9	50





Library Search Compound Report

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Data File : BM017444.D
Acq On : 31 Oct 2018 23:53
Operator : MJ/SJ
Sample : J5701-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40G2

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

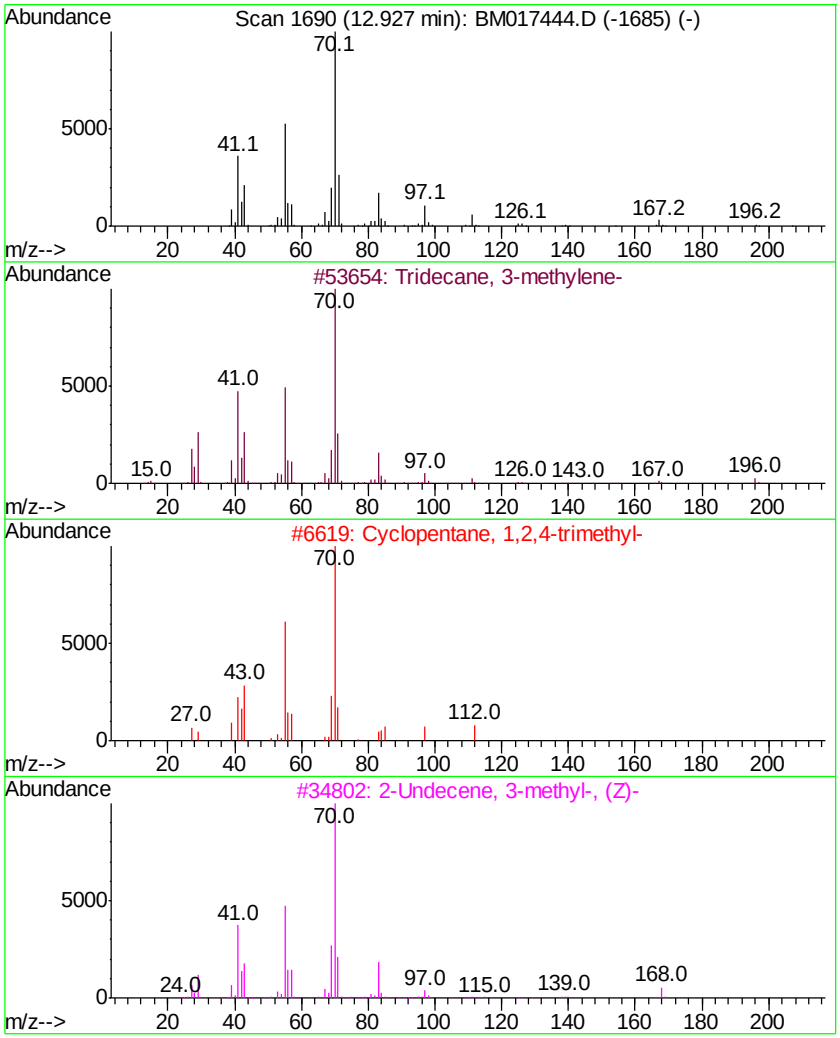
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

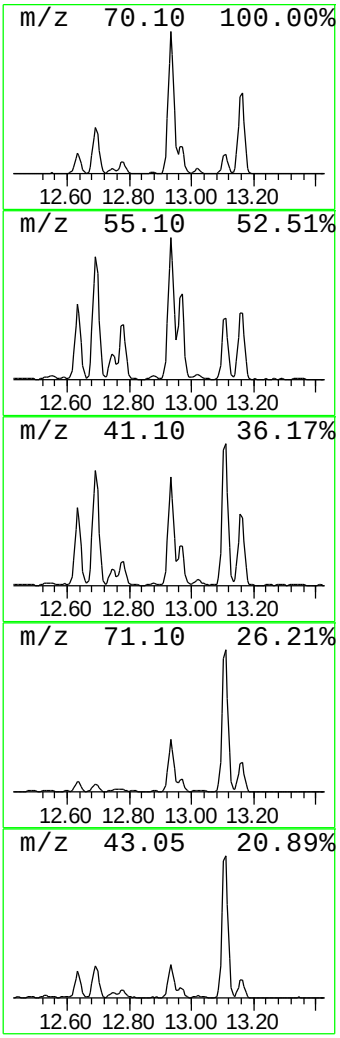
****

Peak Number 4 (DEL) Alkane: Cyclic12.93 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	7.96 ng/ul	2216440	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methylene-	196	C14H28	019780-34-8	86
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	72
3	2-Undecene, 3-methyl-, (Z)-	168	C12H24	057024-90-5	64
4	Undecane, 3-methylene-	168	C12H24	071138-64-2	56
5	2,3-Dimethyl-1-hexene	112	C8H16	016746-86-4	53





Library Search Compound Report

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Data File : BM017444.D
Acq On : 31 Oct 2018 23:53
Operator : MJ/SJ
Sample : J5701-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40G2

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

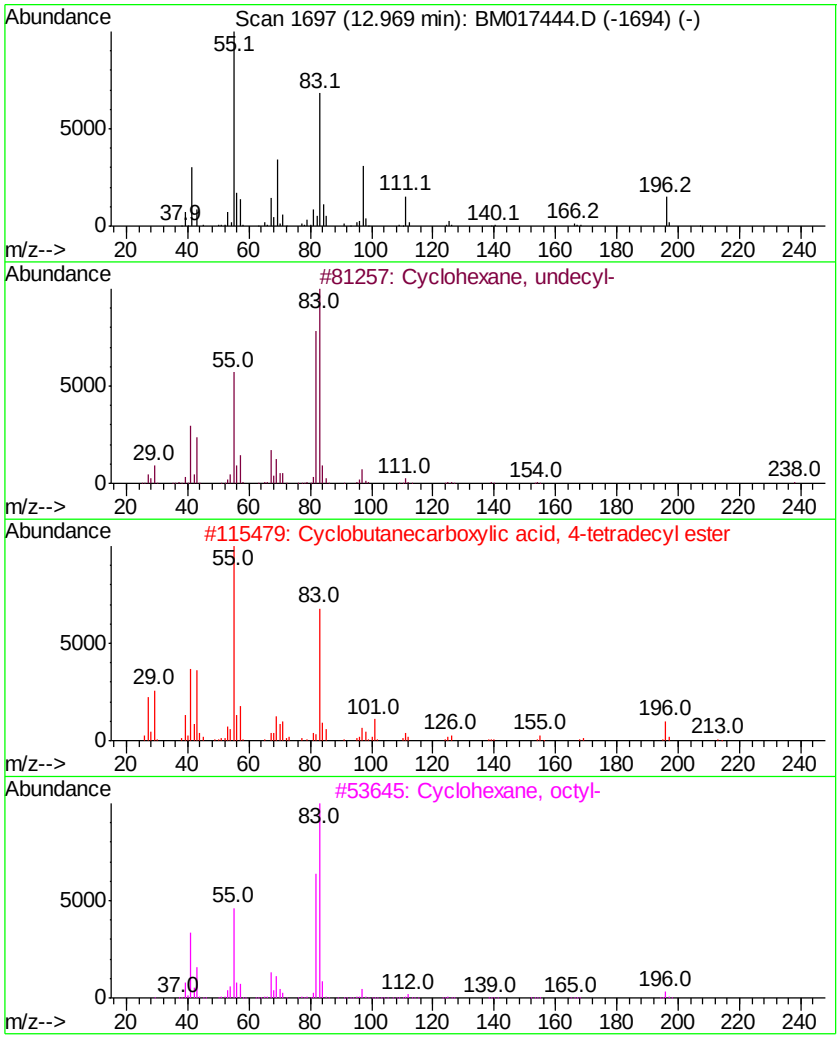
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

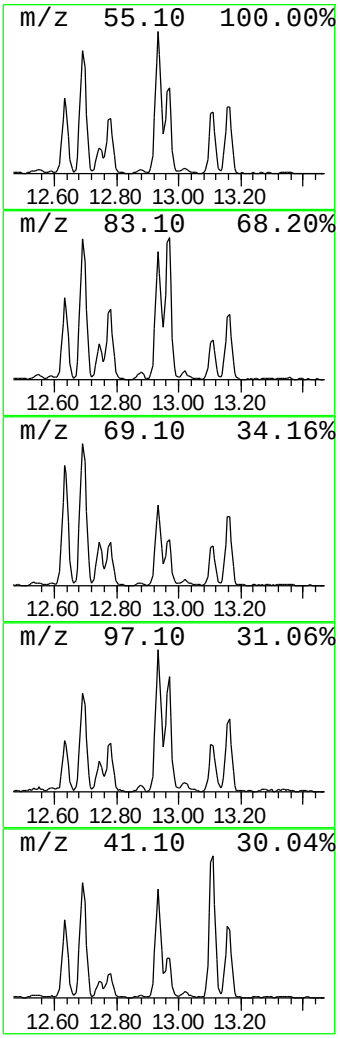
****

Peak Number 5 (DEL) Alkane: Cyclic12.97 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	3.33 ng/ul	927920	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, undecyl-	238	C17H34	054105-66-7	50
2	Cyclobutanecarboxylic acid, 4-te...	296	C19H36O2	1000280-58-0	50
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	50
4	Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	47
5	1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	47





Library Search Compound Report

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Data File : BM017444.D
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Operator : MJ/SJ
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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40G2

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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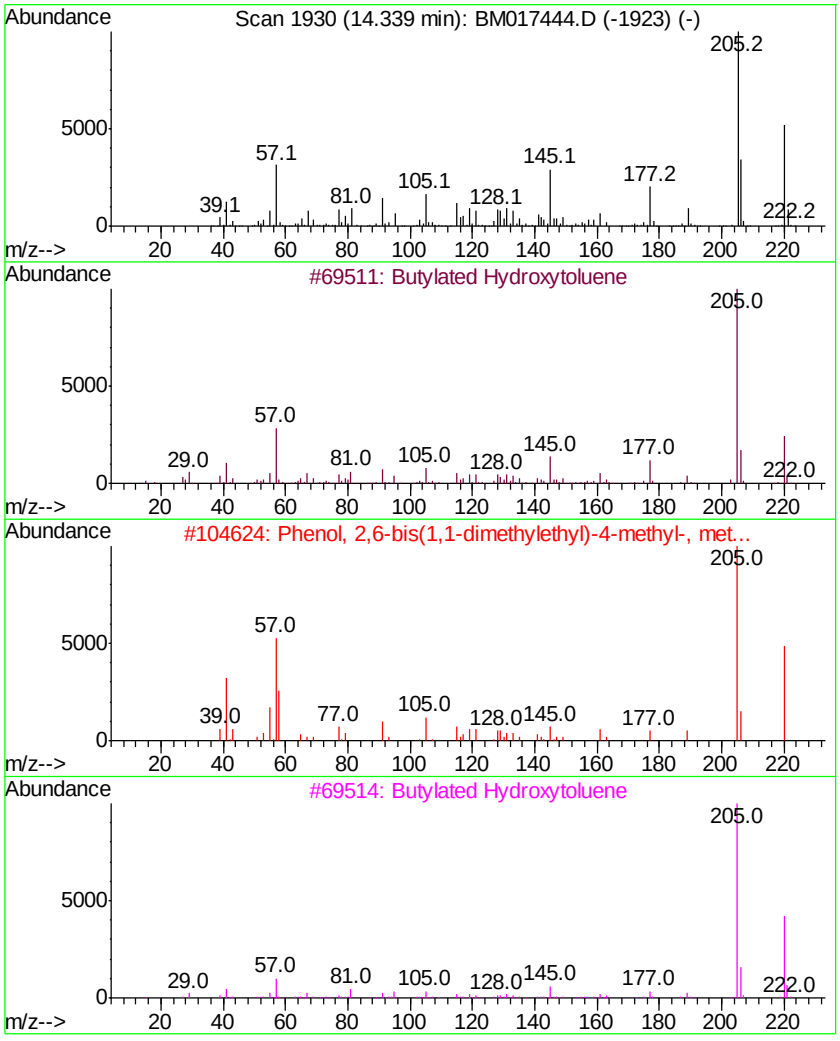
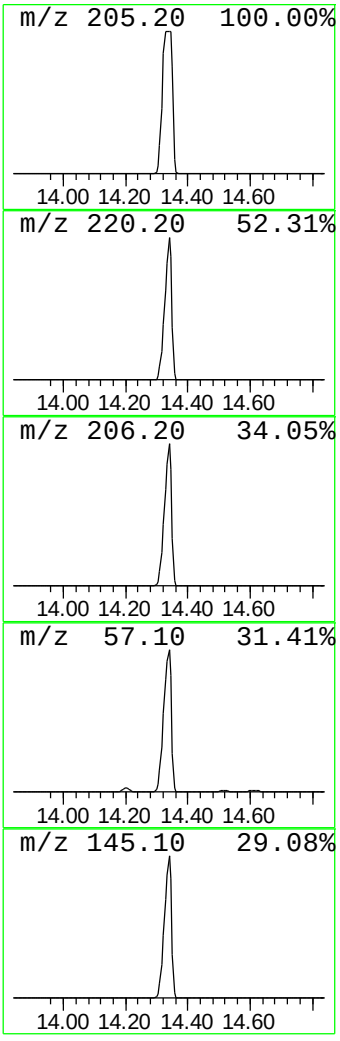
Peak Number 6 Butylated Hydroxytoluene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	339.71 ng/ul	94540900	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	78
2	Phenol, 2,6-bis(1,1-dimethylethy...	277	C17H27NO2	001918-11-2	64
3	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	53
4	Ethanone, 1-(5,6,7,8-tetrahydro-...	220	C14H20O2	071596-88-8	53
5	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	50





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Acq On : 31 Oct 2018 23:53
Operator : MJ/SJ
Sample : J5701-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40G2

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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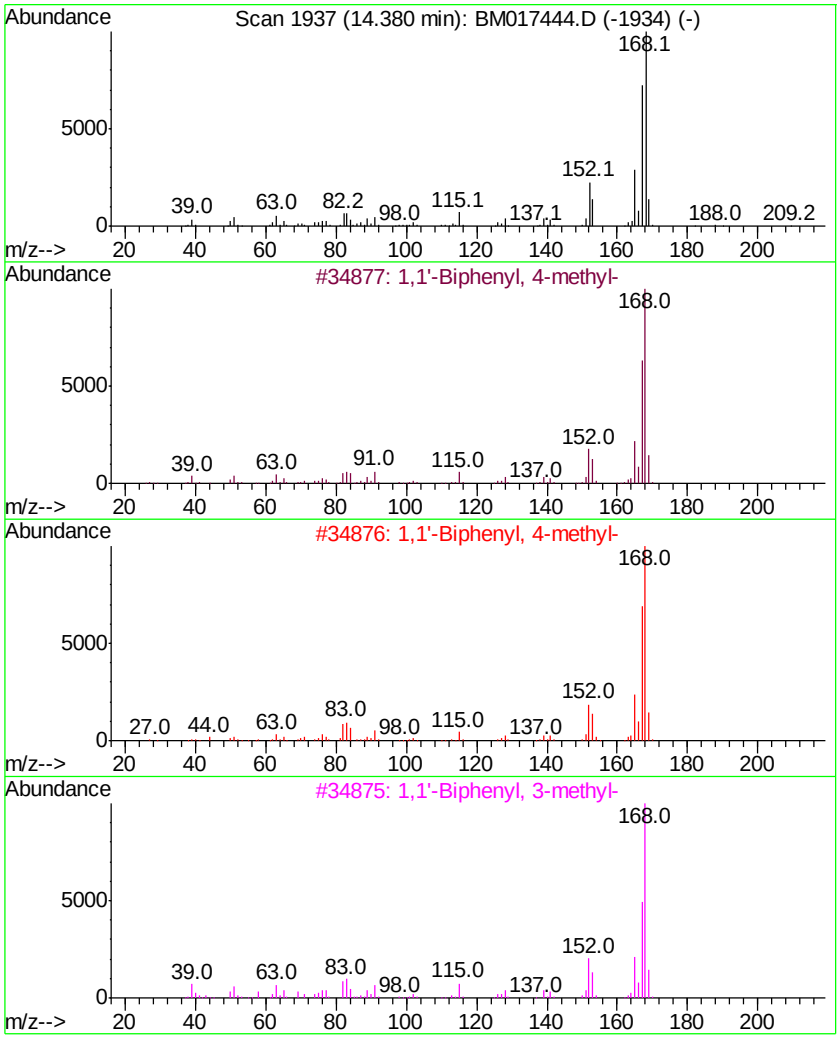
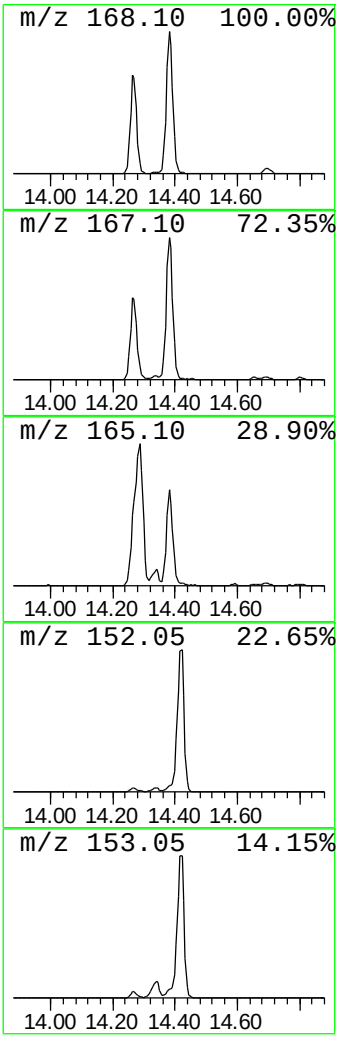
Peak Number 7 1,1'-Biphenyl, 4-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	5.64 ng/ul	1570340	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	95
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	93
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	90
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	87
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	87





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Quant Title : SVOA CALIBRATION

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

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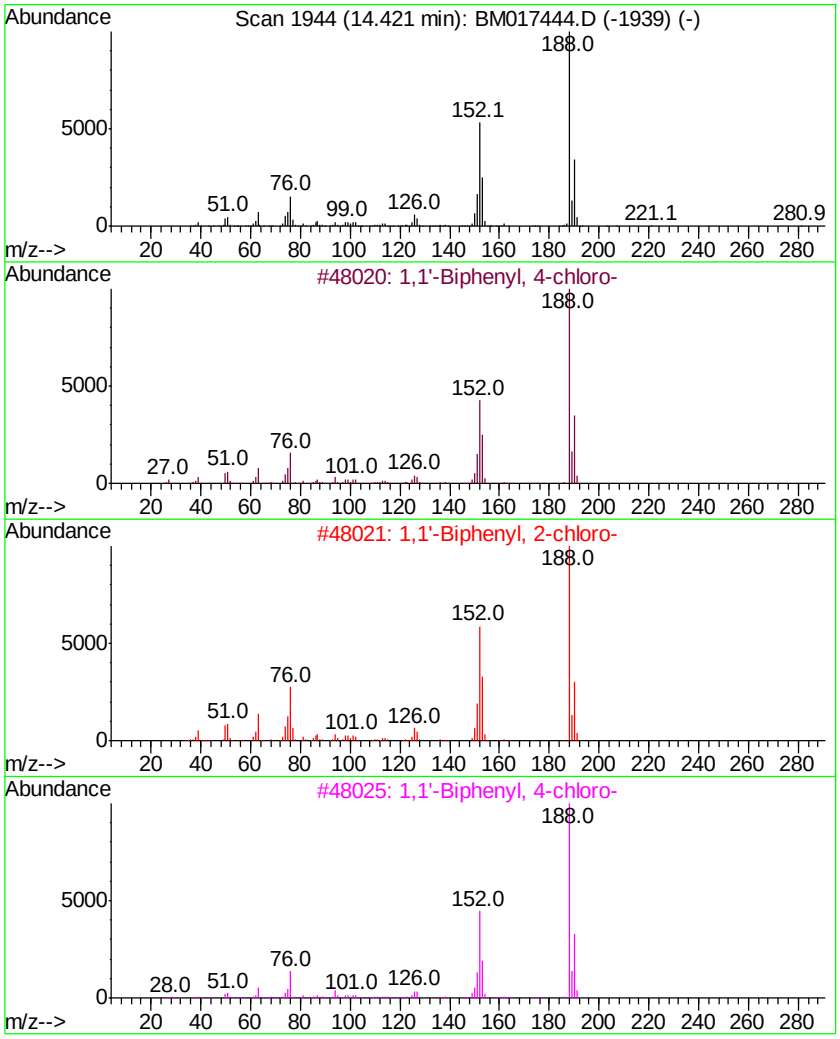
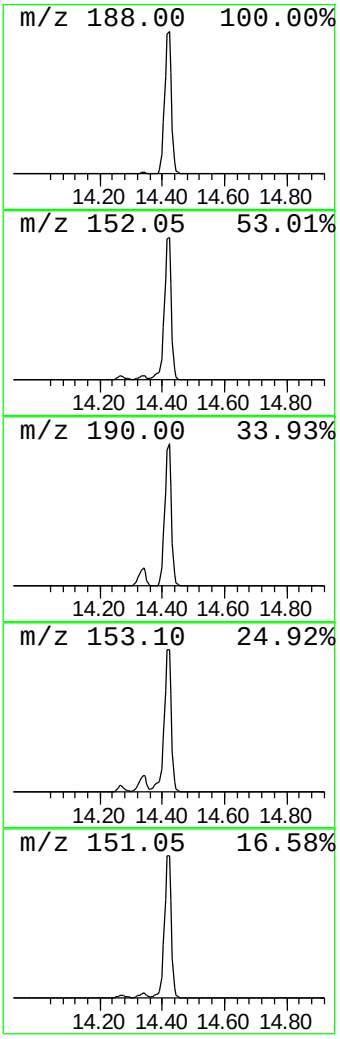
Peak Number 8 1,1'-Biphenyl, 4-chloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	59.56 ng/ul	16576200	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	98
2	1,1'-Biphenyl, 2-chloro-	188	C12H9Cl	002051-60-7	97
3	1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	95
4	1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	95
5	1,1'-Biphenyl, 2-chloro-	188	C12H9Cl	002051-60-7	94





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Quant Title : SVOA CALIBRATION

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

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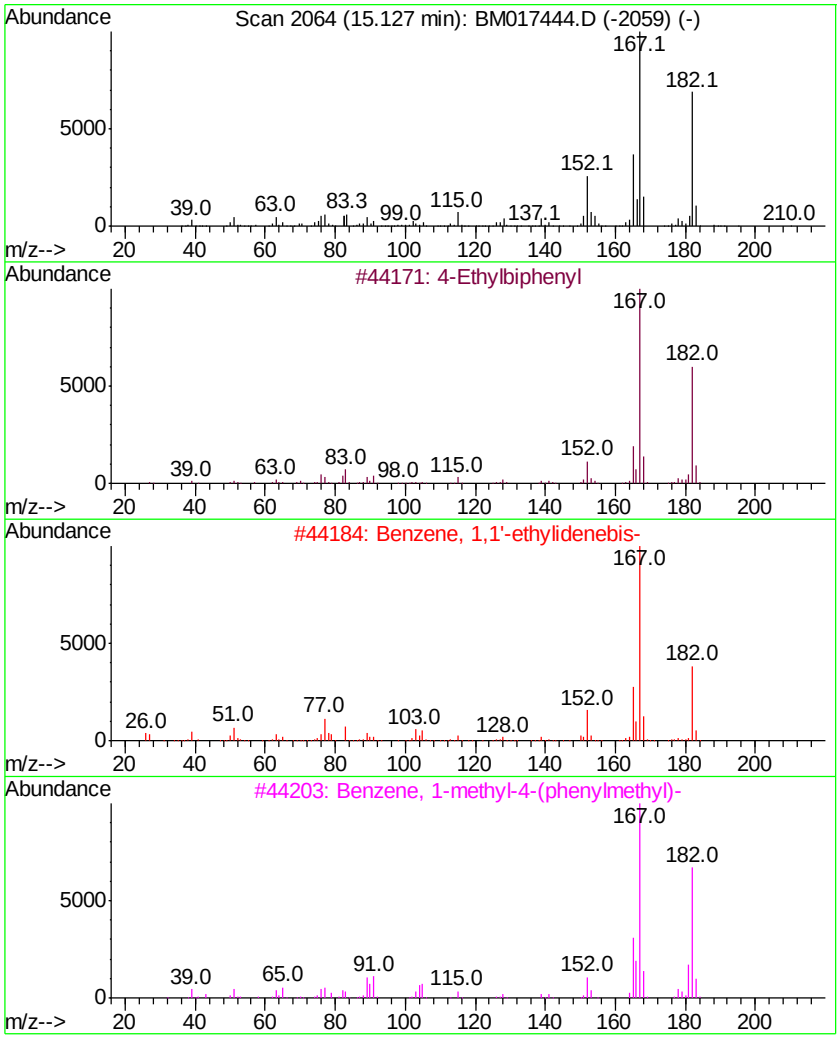
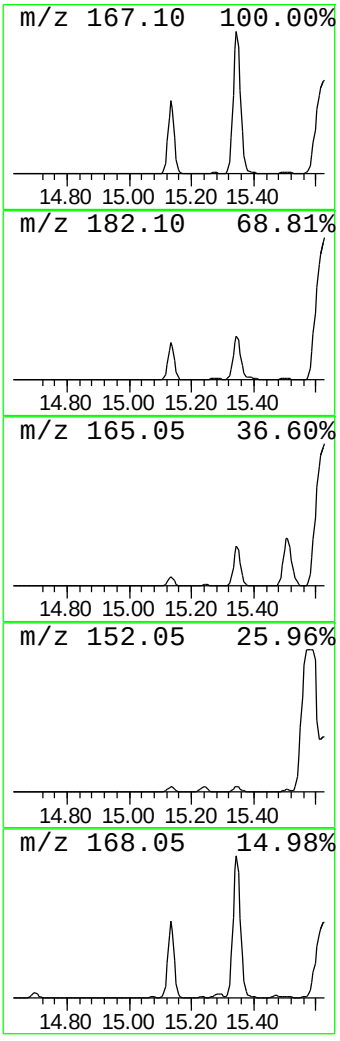
Peak Number 9 4-Ethylbiphenyl Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	27.82 ng/ul	7742460	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	87
3	Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	80
4	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	72
5	Benzene, 1-methyl-3-(phenylmethyl)-	182	C14H14	000620-47-3	72





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Quant Title : SVOA CALIBRATION

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

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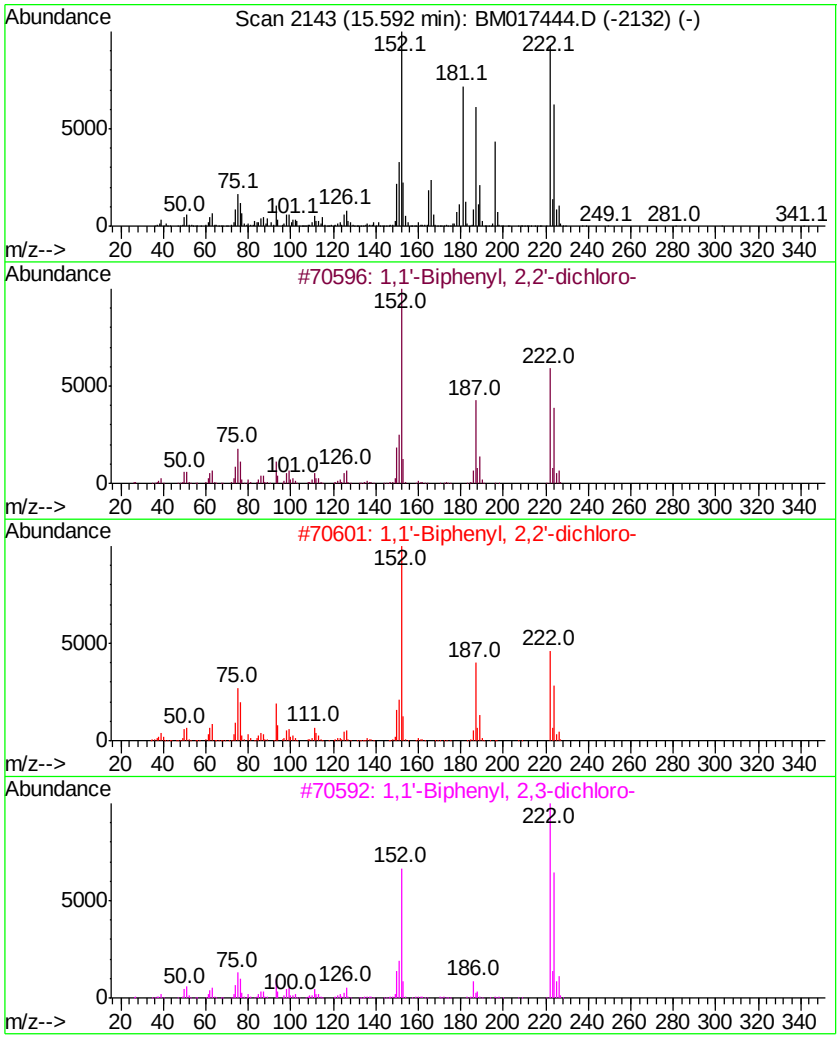
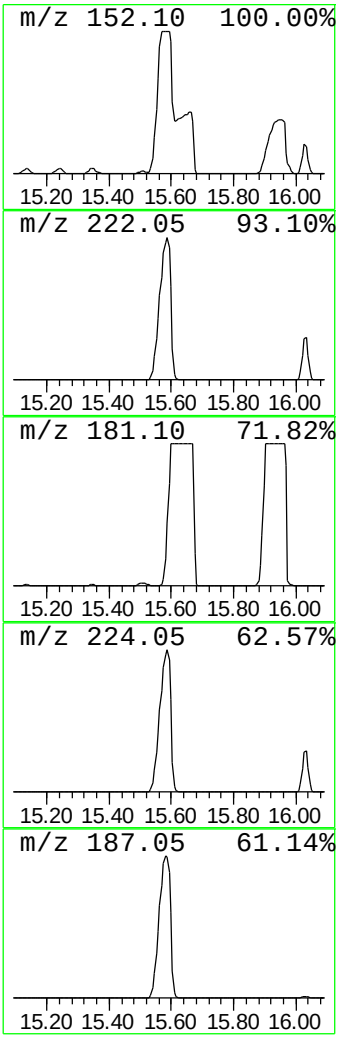
Peak Number 10 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	693.00 ng/ul	192858000	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, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	97
3	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	93
4	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	86
5	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	86





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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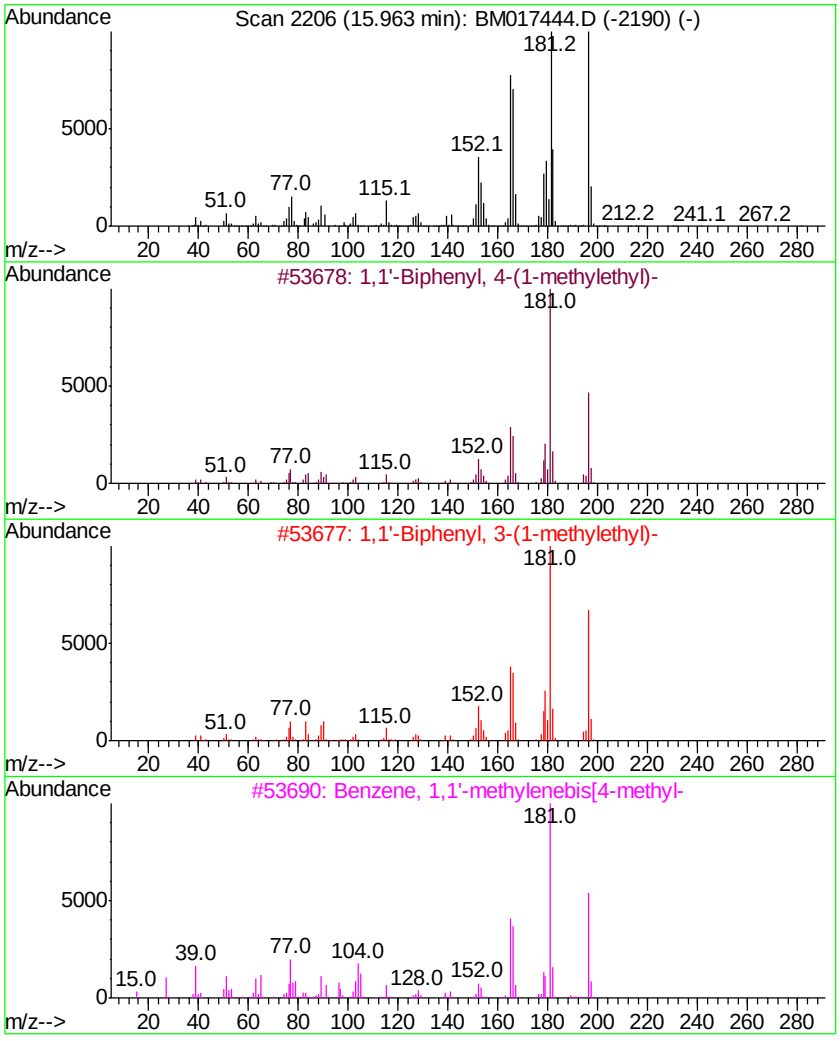
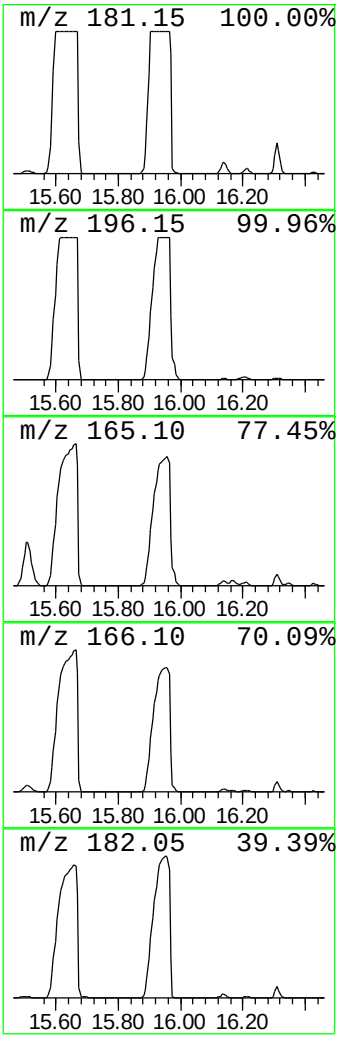
Peak Number 11 1,1'-Biphenyl, 4-(1-methyle... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	130.38 ng/ul	295067000	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	76
2	1,1'-Biphenyl, 3-(1-methylethyl)-	196	C15H16	020282-30-8	76
3	Benzene, 1,1'-methylenebis[4-met...	196	C15H16	004957-14-6	68
4	1,7-Dimethyl-3-phenyltricyclo[4....	196	C15H16	1000200-99-4	64
5	Benzene, 1,1'-methylenebis[2-met...	196	C15H16	001634-74-8	53





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Quant Title : SVOA CALIBRATION

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

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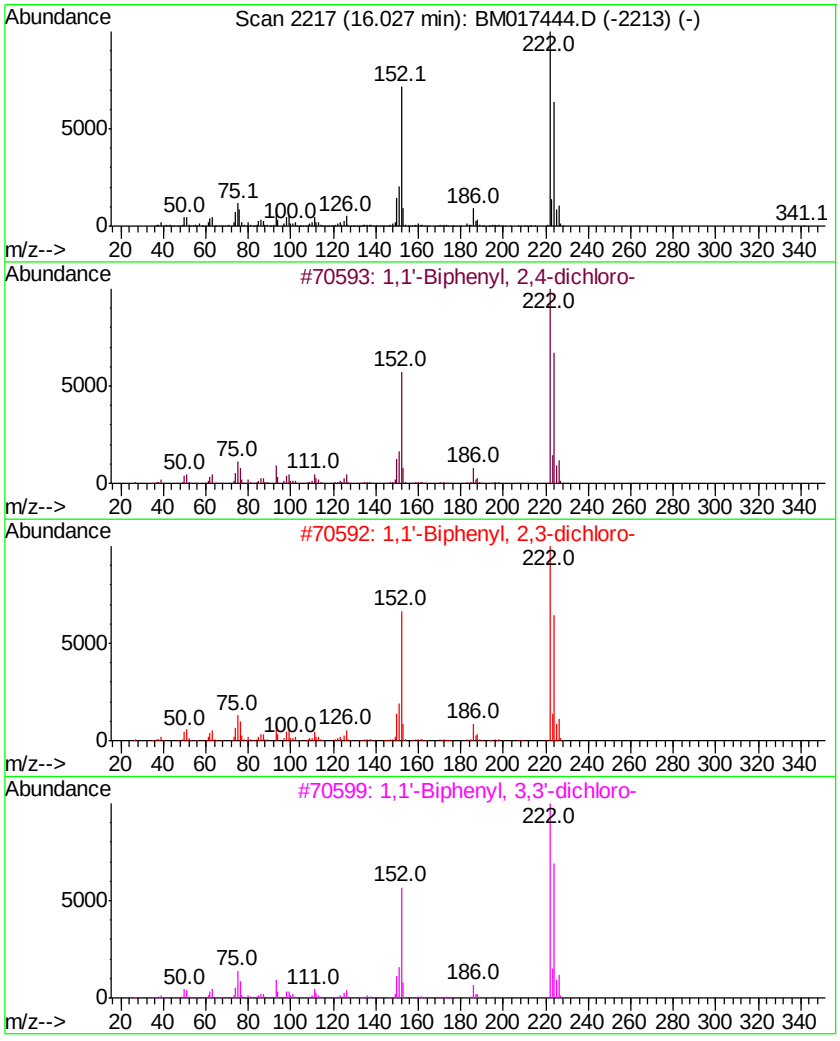
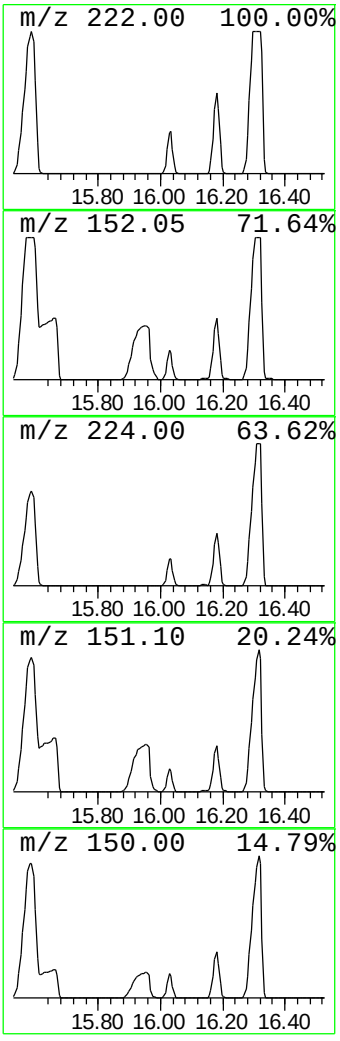
Peak Number 12 1,1'-Biphenyl, 2,4-dichloro- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	6.60 ng/ul	14926700	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	99
2	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	99
3	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	99
4	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	98
5	1,1'-Biphenyl, 3,5-dichloro-	222	C12H8Cl2	034883-41-5	97





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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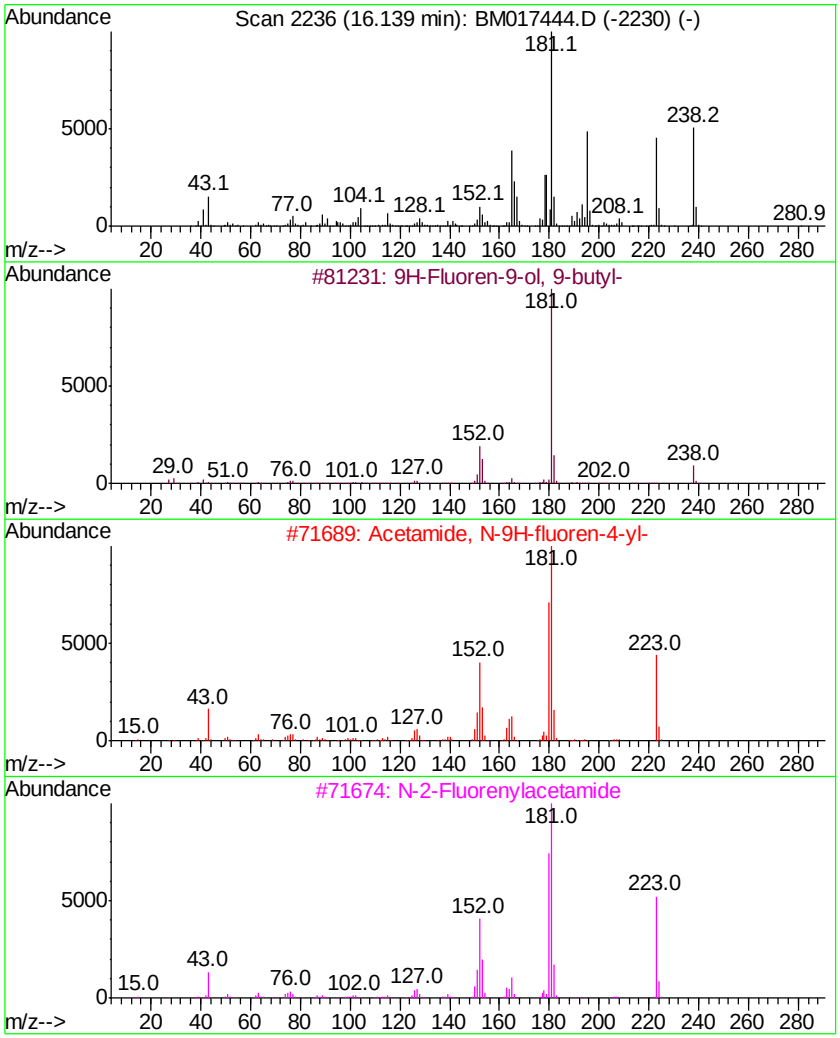
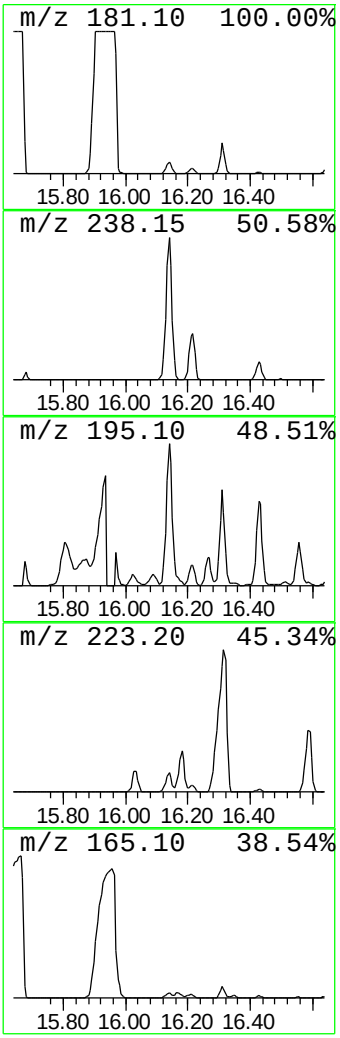
Peak Number 13 unknown-01 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	2.83 ng/ul	6398600	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol, 9-butyl-	238	C17H18O	005806-10-0	42
2	Acetamide, N-9H-fluoren-4-yl-	223	C15H13NO	028322-02-3	35
3	N-2-Fluorenylacetamide	223	C15H13NO	000053-96-3	35
4	Acetamide, N-9H-fluoren-4-yl-	223	C15H13NO	028322-02-3	35
5	Acetic acid, [m-(trimethylsiloxy...	238	C12H18O3Si	027798-61-4	27





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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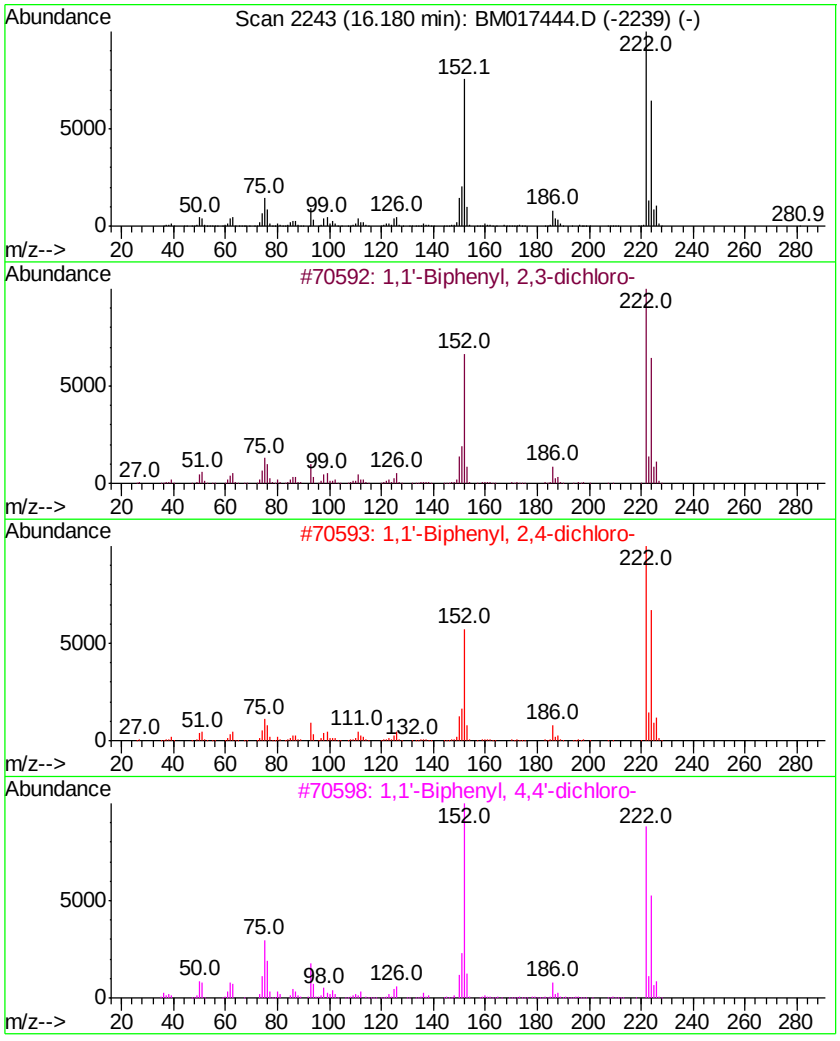
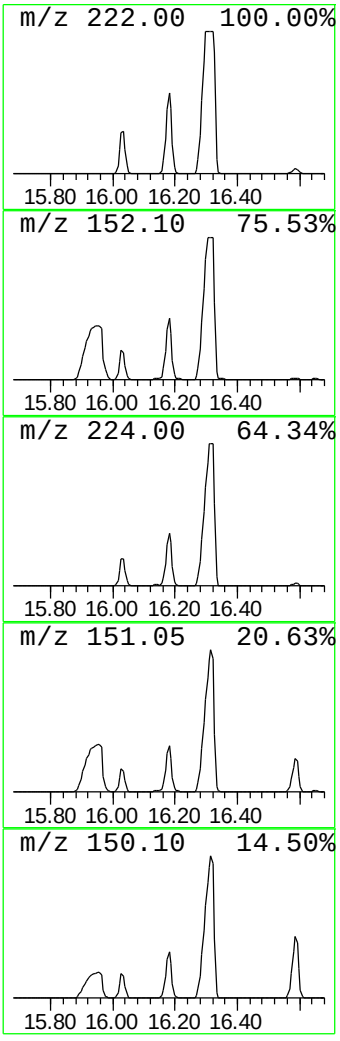
Peak Number 14 1,1'-Biphenyl, 2,3-dichloro- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	11.55 ng/ul	26140600	Phenanthrene-d10	17.06

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, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	98
4	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	98
5	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	98





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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 16 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	13.36 ng/ul	30230500	Phenanthrene-d10	17.06

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	99
3	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	98
4	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	95
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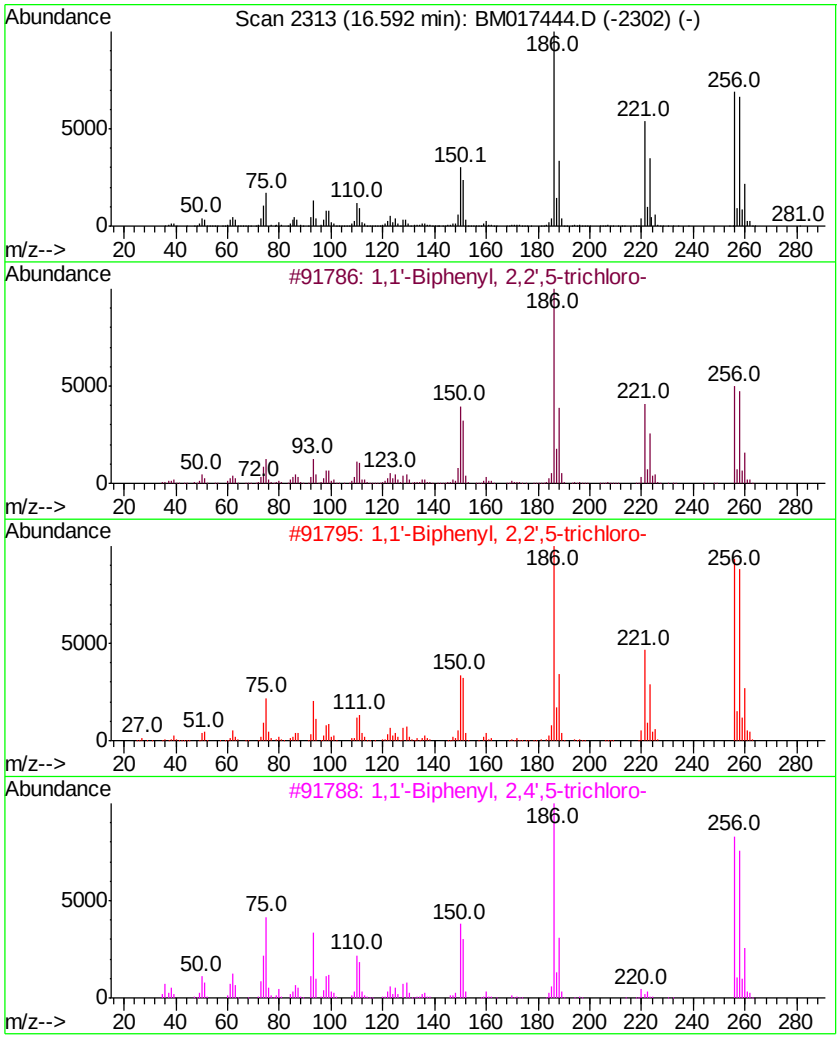

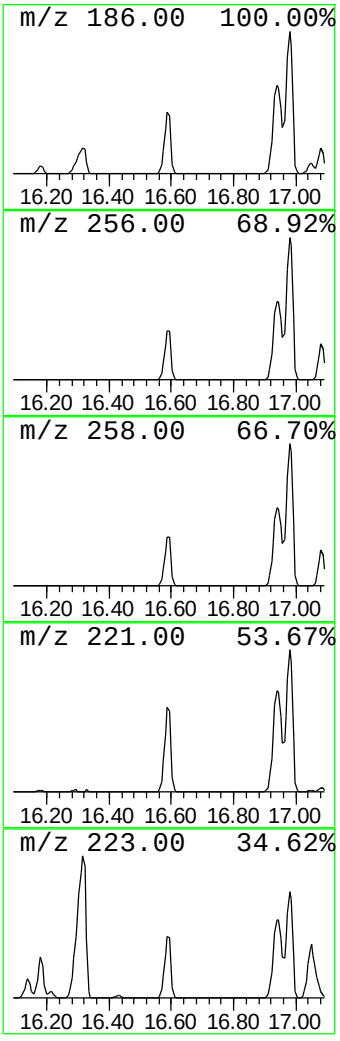

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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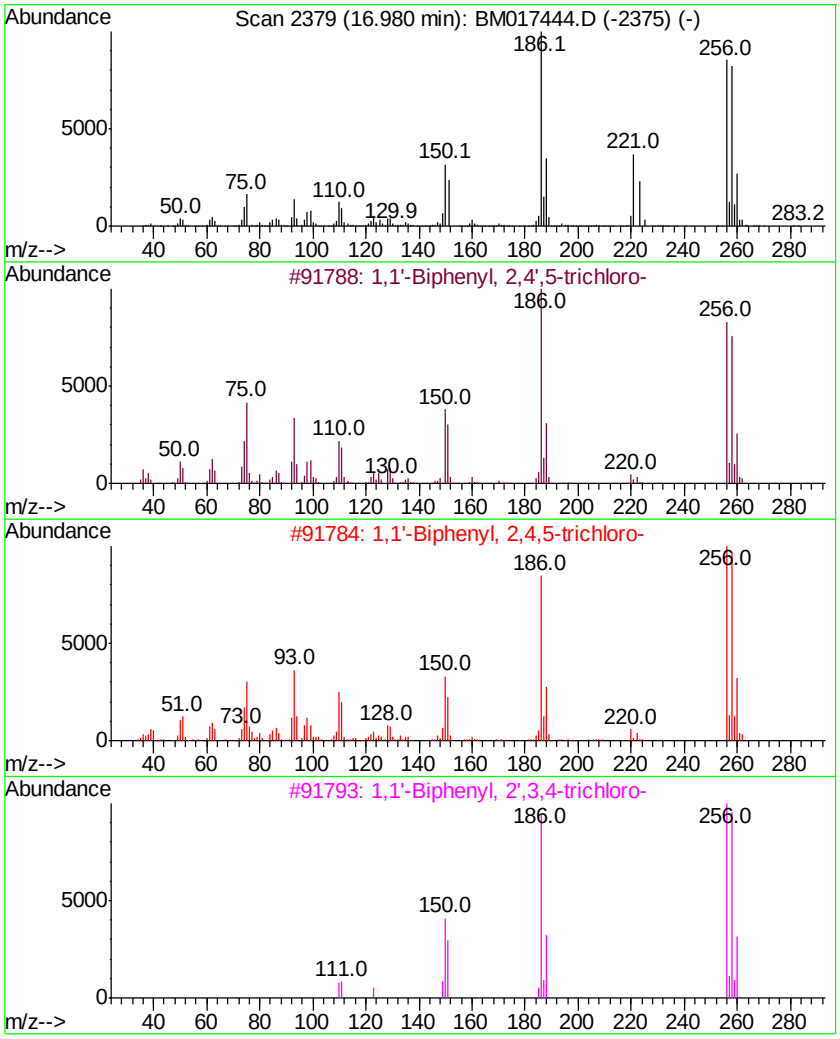
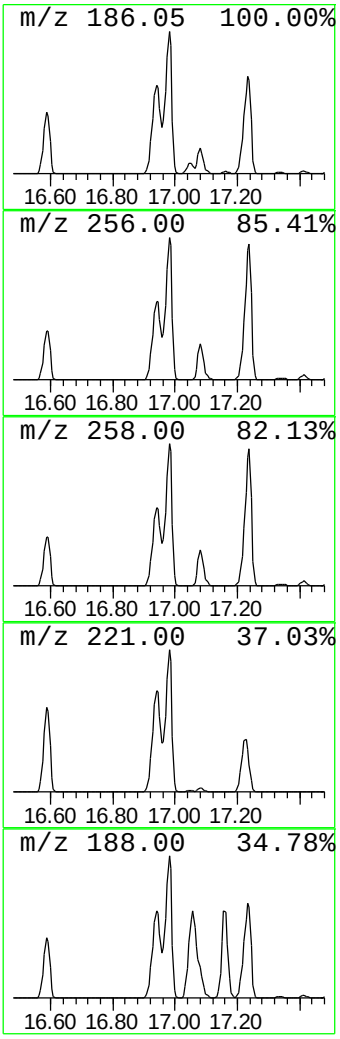
Peak Number 18 1,1'-Biphenyl, 2,4',5-trich... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.98	32.33 ng/ul	73163600	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
2	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	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, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	97





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Quant Title : SVOA CALIBRATION

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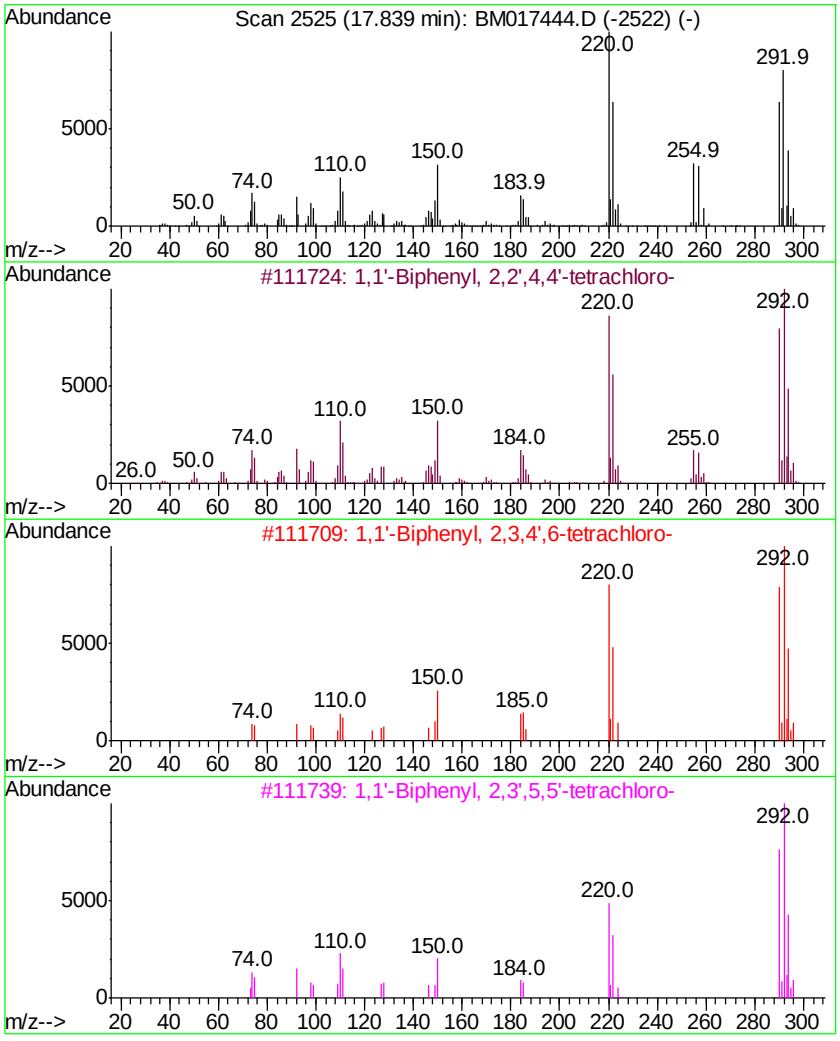
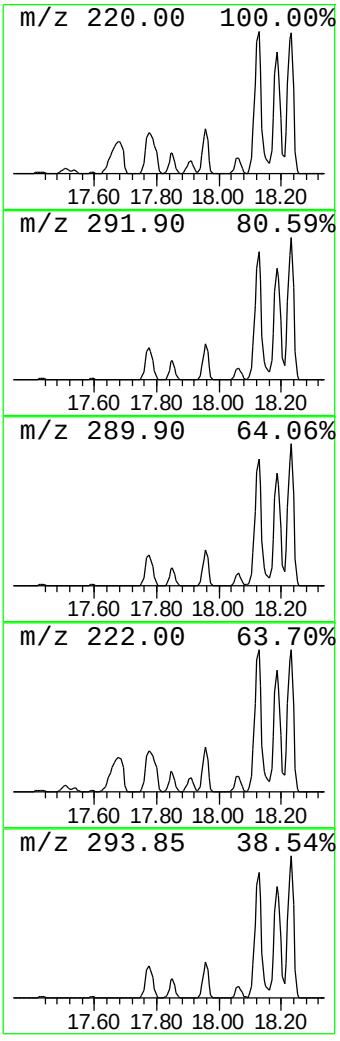
Peak Number 24 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	2.16 ng/ul	4892340	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
2	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
3	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM103118\
Data File : BM017444.D
Acq On : 31 Oct 2018 23:53
Operator : MJ/SJ
Sample : J5701-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40G2

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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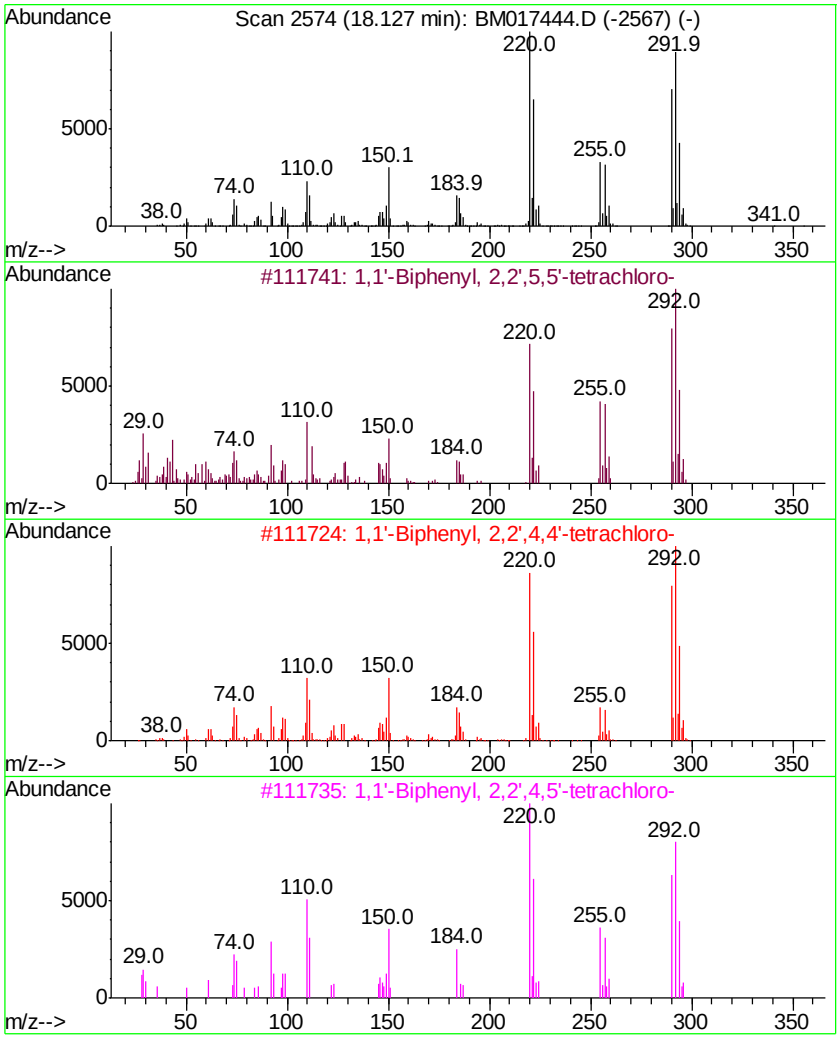
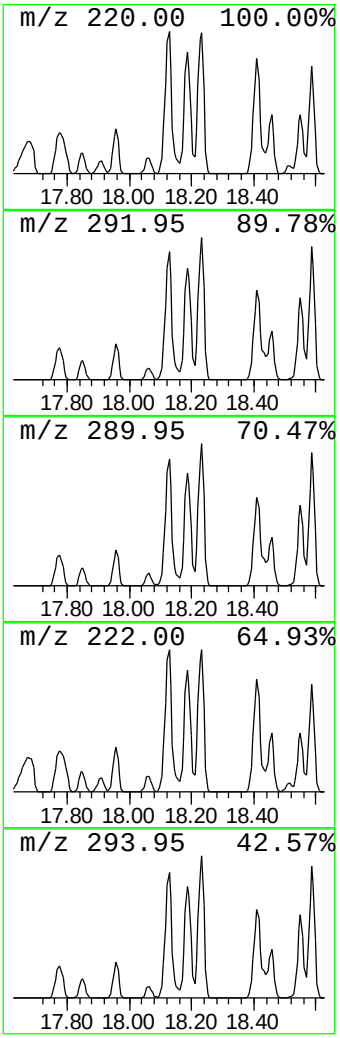
Peak Number 27 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	17.62 ng/ul	39886200	Phenanthrene-d10	17.06

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, 2,2',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',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
5	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99





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Acq On : 31 Oct 2018 23:53
Operator : MJ/SJ
Sample : J5701-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40G2

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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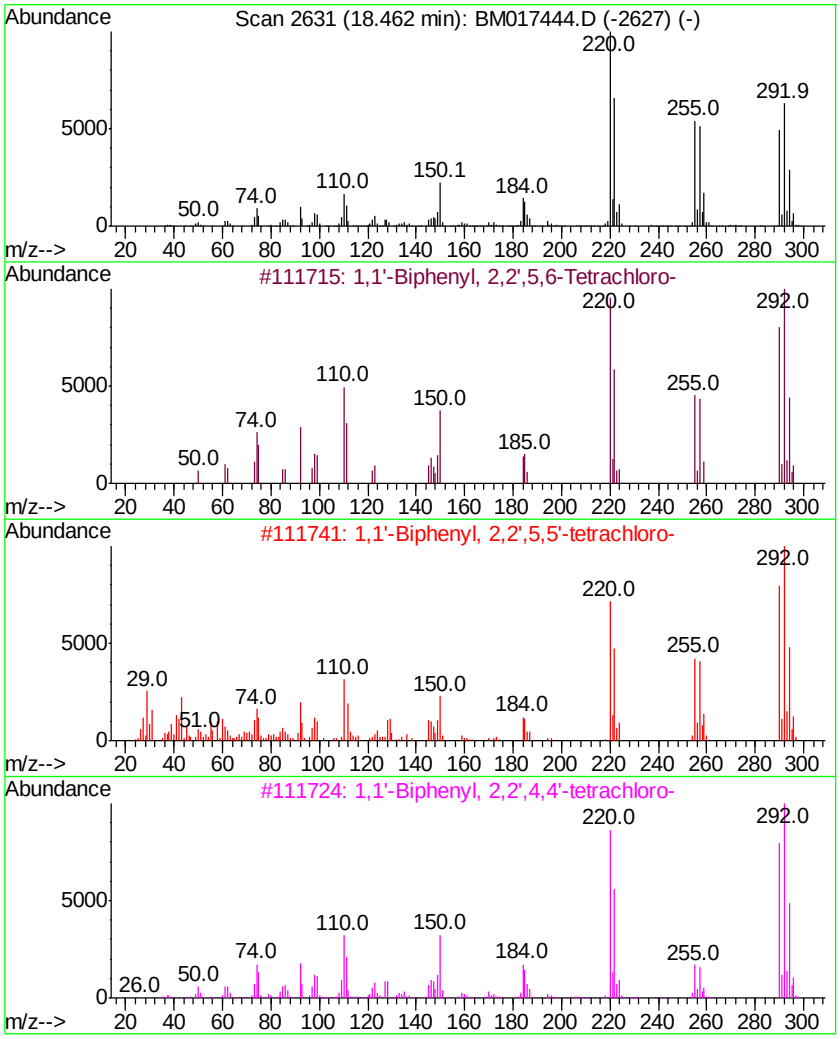
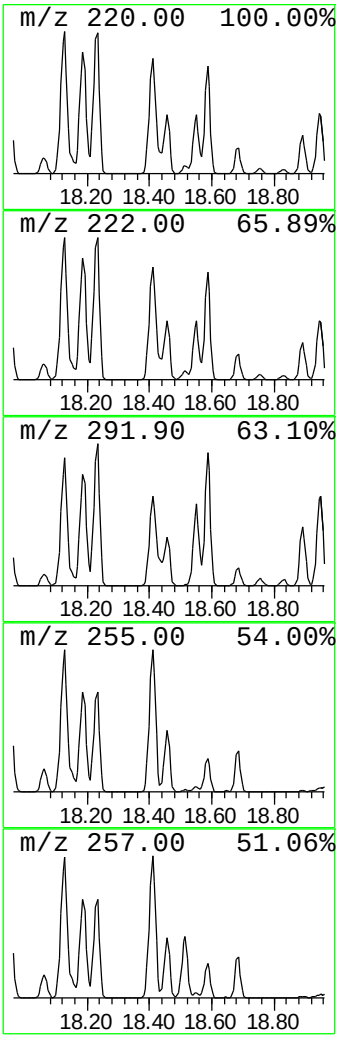
Peak Number 31 1,1'-Biphenyl, 2,2',5,6-Tet... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	5.56 ng/ul	12585100	Phenanthrene-d10	17.06

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





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Acq On : 31 Oct 2018 23:53
Operator : MJ/SJ
Sample : J5701-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40G2

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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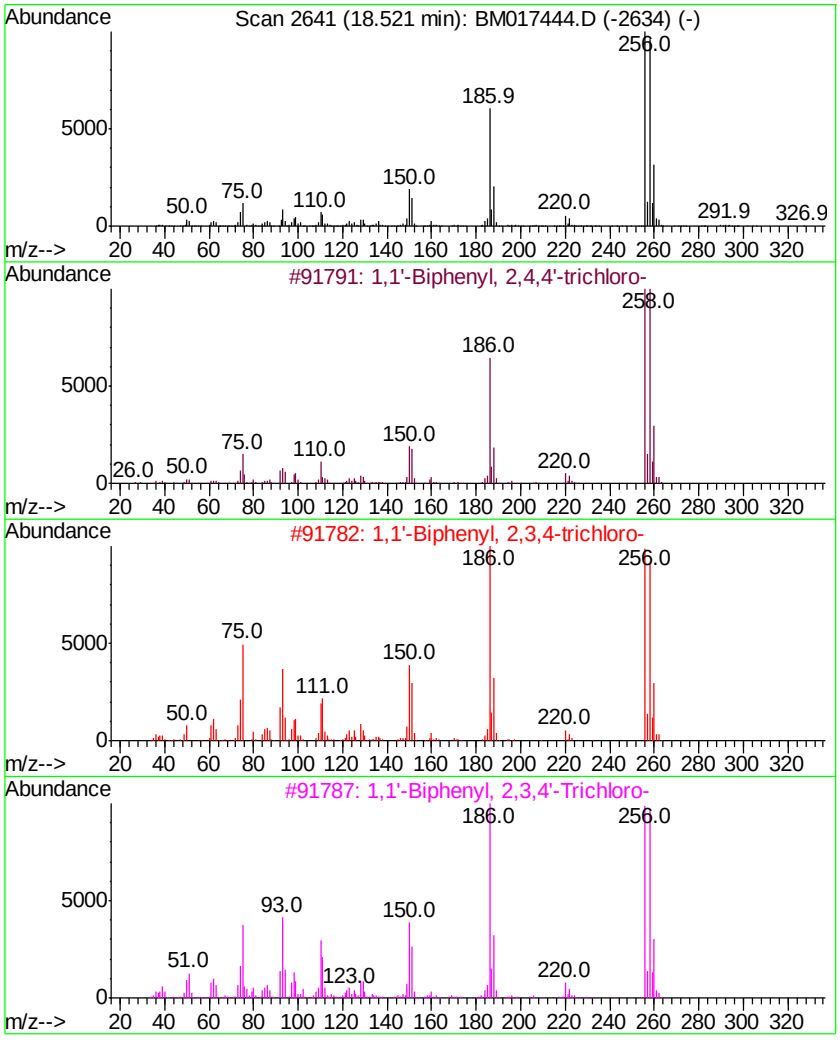
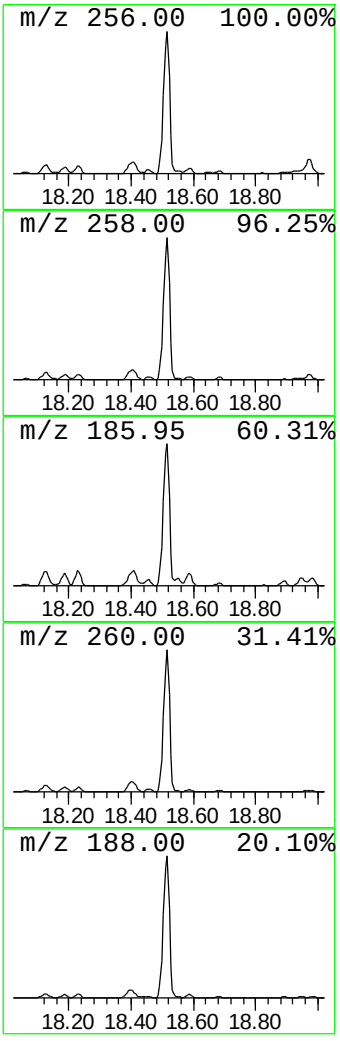
Peak Number 32 1,1'-Biphenyl, 2,4,4'-trich... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	10.84 ng/ul	24543300	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
2	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	99
3	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	99
4	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
5	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99





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Data File : BM017444.D
Acq On : 31 Oct 2018 23:53
Operator : MJ/SJ
Sample : J5701-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40G2

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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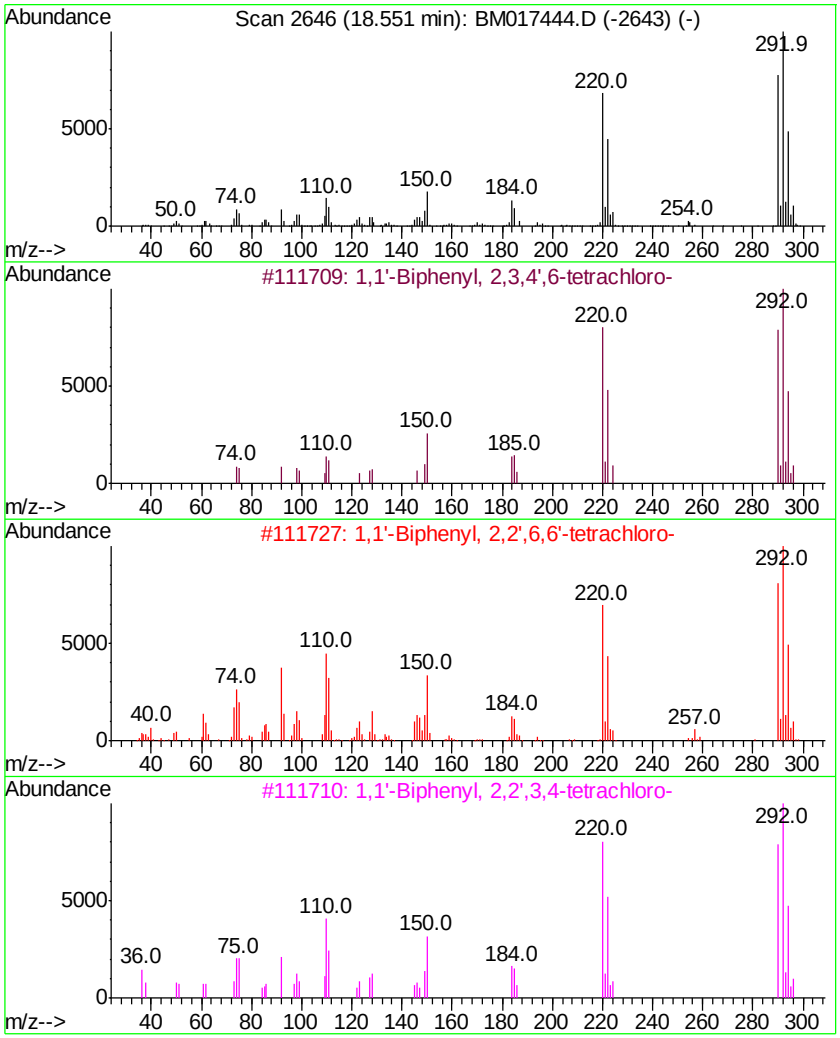
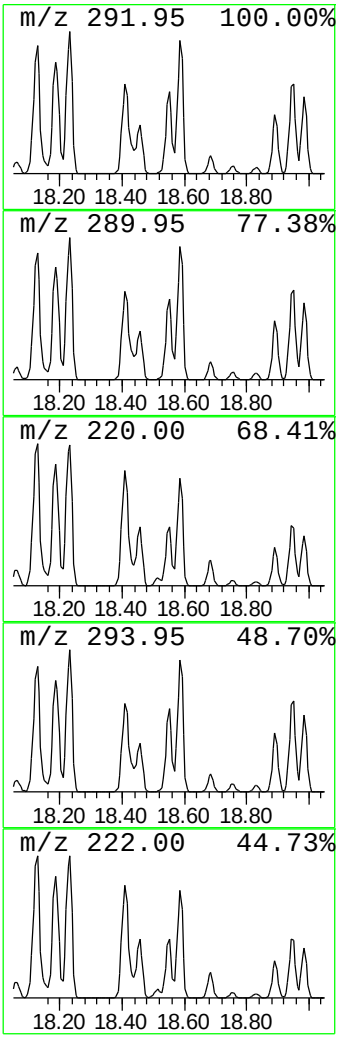
Peak Number 33 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	6.76 ng/ul	15303000	Phenanthrene-d10	17.06

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',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
4	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	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\BM103118\
Data File : BM017444.D
Acq On : 31 Oct 2018 23:53
Operator : MJ/SJ
Sample : J5701-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40G2

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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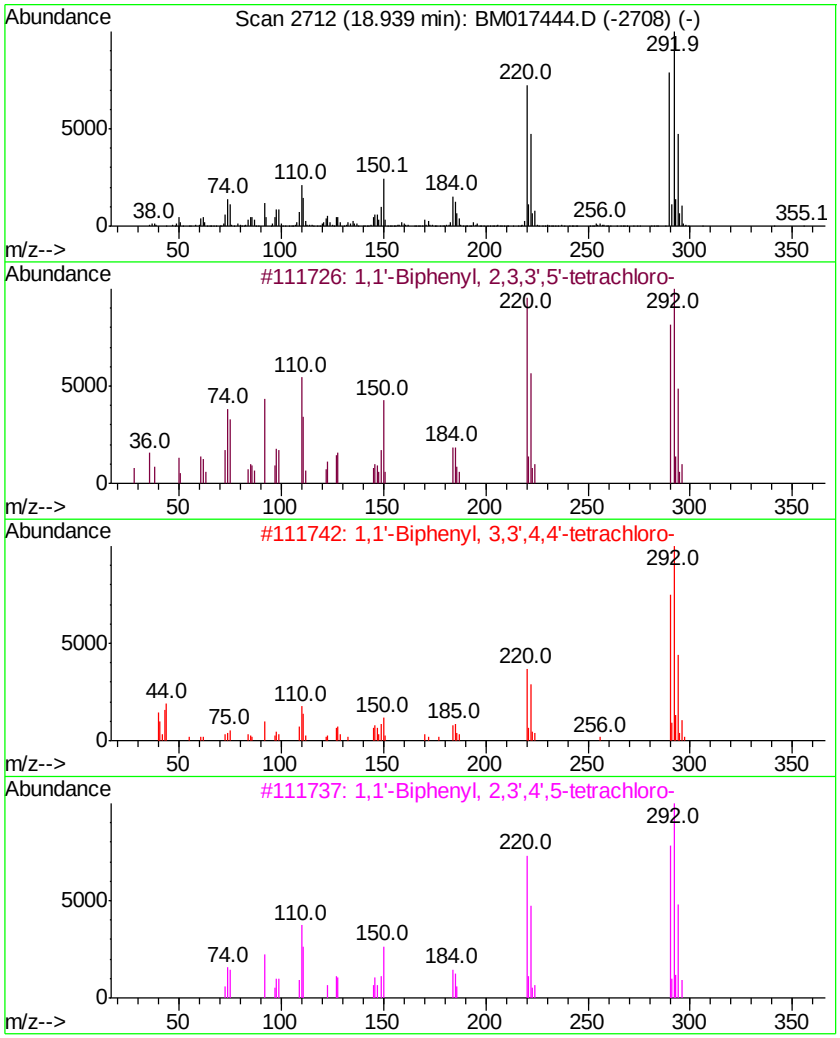
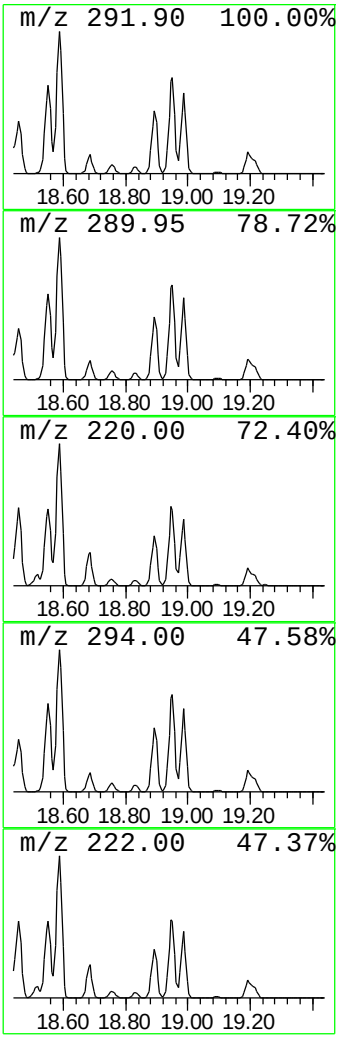
Peak Number 37 1,1'-Biphenyl, 2,3,3',5'-te... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	8.07 ng/ul	18264500	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
2	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
3	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM103118\
Data File : BM017444.D
Acq On : 31 Oct 2018 23:53
Operator : MJ/SJ
Sample : J5701-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A40G2

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
(DEL) Alkane: Cyc...	12.63	6.3	ng/ul	1754510	3	14.29	5565910	20.0
(DEL) Alkane: Cyc...	12.69	9.8	ng/ul	2712080	3	14.29	5565910	20.0
(DEL) Alkane: Cyc...	12.78	2.5	ng/ul	702791	3	14.29	5565910	20.0
(DEL) Alkane: Cyc...	12.93	8.0	ng/ul	2216440	3	14.29	5565910	20.0
(DEL) Alkane: Cyc...	12.97	3.3	ng/ul	927920	3	14.29	5565910	20.0
Butylated Hydroxy...	14.34	339.7	ng/ul	94540900	3	14.29	5565910	20.0
1,1'-Biphenyl, 4-...	14.38	5.6	ng/ul	1570340	3	14.29	5565910	20.0
1,1'-Biphenyl, 4-...	14.42	59.6	ng/ul	16576200	3	14.29	5565910	20.0
4-Ethylbiphenyl	15.13	27.8	ng/ul	7742460	3	14.29	5565910	20.0
1,1'-Biphenyl, 2,...	15.59	693.0	ng/ul	192858000	3	14.29	5565910	20.0
1,1'-Biphenyl, 4-...	15.96	130.4	ng/ul	295067000	4	17.06	45263700	20.0
1,1'-Biphenyl, 2,...	16.03	6.6	ng/ul	14926700	4	17.06	45263700	20.0
unknown-01	16.14	2.8	ng/ul	6398600	4	17.06	45263700	20.0
1,1'-Biphenyl, 2,...	16.18	11.6	ng/ul	26140600	4	17.06	45263700	20.0
1,1'-Biphenyl, 2,...	16.59	13.4	ng/ul	30230500	4	17.06	45263700	20.0
1,1'-Biphenyl, 2,...	16.98	32.3	ng/ul	73163600	4	17.06	45263700	20.0
1,1'-Biphenyl, 2,...	17.84	2.2	ng/ul	4892340	4	17.06	45263700	20.0
1,1'-Biphenyl, 2,...	18.13	17.6	ng/ul	39886200	4	17.06	45263700	20.0
1,1'-Biphenyl, 2,...	18.46	5.6	ng/ul	12585100	4	17.06	45263700	20.0
1,1'-Biphenyl, 2,...	18.52	10.8	ng/ul	24543300	4	17.06	45263700	20.0
1,1'-Biphenyl, 2,...	18.55	6.8	ng/ul	15303000	4	17.06	45263700	20.0
1,1'-Biphenyl, 2,...	18.94	8.1	ng/ul	18264500	4	17.06	45263700	20.0