LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017813.D
Acq On : 30 Nov 2018 01:33
Operator : JU/SJ
Sample : J6027-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4R8

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-BM111918MA.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	3.104	16	20	24	rVB	630286	605819	10.16%	0.848%
2	4.287	216	221	227	rBV	40338	55057	0.92%	0.077%
3	7.475	757	763	772	rBV5	16147	35633	0.60%	0.050%
4	7.587	772	782	798	rBV	955475	1702291	28.54%	2.383%
5	10.222	1224	1230	1241	rBV	244326	457881	7.68%	0.641%
6	10.357	1246	1253	1258	rVV	1346748	2322909	38.94%	3.252%
7	10.404	1258	1261	1269	rVV	141418	251327	4.21%	0.352%
8	10.739	1312	1318	1330	rBV	124994	256206	4.29%	0.359%
9	11.786	1487	1496	1503	rBV6	23815	54517	0.91%	0.076%
10	12.039	1532	1539	1545	rBV	31967	63476	1.06%	0.089%
11	12.257	1569	1576	1587	rVB2	36193	82368	1.38%	0.115%
12	12.410	1598	1602	1608	rBV9	16606	34060	0.57%	0.048%
13	12.757	1656	1661	1666	rVV3	32225	44873	0.75%	0.063%
14	13.027	1703	1707	1709	rBV2	38438	57558	0.96%	0.081%
15	13.557	1791	1797	1801	rBV2	39810	73795	1.24%	0.103%
16	13.716	1817	1824	1828	rBV2	48249	79120	1.33%	0.111%
17	14.139	1890	1896	1900	rBV3	37608	59950	1.00%	0.084%
18	14.233	1905	1912	1919	rBV2	1993659	3047858	51.09%	4.267%
19	14.298	1919	1923	1928	rVB	182943	274149	4.60%	0.384%
20	14.551	1959	1966	1972	rBV6	42752	82816	1.39%	0.116%
21	14.645	1976	1982	1991	rVV	162708	301279	5.05%	0.422%
22	14.716	1991	1994	1999	rVV3	20954	36272	0.61%	0.051%
23	14.763	1999	2002	2011	rVB10	20763	34729	0.58%	0.049%
24	14.863	2011	2019	2022	rBV5	24960	48565	0.81%	0.068%
25	15.015	2042	2045	2051	rBV7	20893	41504	0.70%	0.058%
26	15.104	2057	2060	2063	rVB3	30613	34529	0.58%	0.048%
27	15.292	2086	2092	2099	rBV	373133	573860	9.62%	0.803%
28	15.415	2109	2113	2116	rBV3	24841	33822	0.57%	0.047%
29	15.451	2116	2119	2124	rVV4	43656	62194	1.04%	0.087%
30	15.504	2124	2128	2132	rVV3	56065	77700	1.30%	0.109%
31	15.592	2139	2143	2150	rVB	73477	119629	2.01%	0.167%
32	15.745	2161	2169	2176	rBV	73605	160767	2.69%	0.225%
33	15.986	2201	2210	2216	rVV4	83397	204875	3.43%	0.287%
34	16.098	2223	2229	2234	rBV10	22773	49609	0.83%	0.069%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J6027-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4R8

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-BM111918MA.M
Title : SVOA CALIBRATION

35	16.298	2258	2263	2268	rVV3	77623	142326	2.39%	0.199%
36	16.345	2268	2271	2277	rVB3	37139	52297	0.88%	0.073%
37	16.445	2285	2288	2294	rVB3	38421	54627	0.92%	0.076%
38	16.533	2298	2303	2305	rVV3	42931	77883	1.31%	0.109%
39	16.568	2305	2309	2319	rVB3	87342	161350	2.70%	0.226%
40	16.745	2332	2339	2345	rBV3	158011	336337	5.64%	0.471%
41	16.809	2346	2350	2357	rVB	189357	283066	4.75%	0.396%
42	16.868	2357	2360	2364	rBV3	53951	68929	1.16%	0.097%
43	16.992	2375	2381	2384	rBV	2250929	3176482	53.25%	4.447%
44	17.033	2384	2388	2395	rVV	3573148	4946175	82.91%	6.925%
45	17.127	2399	2404	2409	rBV	286159	432045	7.24%	0.605%
46	17.592	2476	2483	2489	rVB6	105683	261078	4.38%	0.366%
47	17.715	2499	2504	2509	rBV4	75900	141550	2.37%	0.198%
48	17.862	2523	2529	2534	rBV	311878	541309	9.07%	0.758%
49	17.915	2534	2538	2543	rVB	427507	605445	10.15%	0.848%
50	18.062	2557	2563	2567	rBV3	727928	1130408	18.95%	1.583%
51	18.098	2567	2569	2577	rVV2	194408	355261	5.96%	0.497%
52	18.168	2577	2581	2589	rVB4	71177	115363	1.93%	0.162%
53	18.268	2596	2598	2602	rBV5	25404	36760	0.62%	0.051%
54	18.351	2608	2612	2613	rBV	127697	144456	2.42%	0.202%
55	18.374	2613	2616	2627	rVB	225832	393903	6.60%	0.552%
56	18.492	2633	2636	2639	rBV3	42033	57915	0.97%	0.081%
57	18.527	2639	2642	2647	rVB4	67518	91170	1.53%	0.128%
58	18.621	2655	2658	2662	rVB3	82814	107576	1.80%	0.151%
59	18.674	2663	2667	2671	rVV	62885	88578	1.48%	0.124%
60	18.715	2671	2674	2677	rVB	39211	44884	0.75%	0.063%
61	18.792	2683	2687	2691	rBV	140729	215392	3.61%	0.302%
62	18.845	2691	2696	2701	rVV5	140501	276701	4.64%	0.387%
63	18.921	2701	2709	2718	rVB3	752773	1419833	23.80%	1.988%
64	18.998	2720	2722	2726	rVB4	66983	81145	1.36%	0.114%
65	19.056	2727	2732	2738	rBV	4346134	5965409	100.00%	8.352%
66	19.115	2738	2742	2748	rBV2	628689	938659	15.74%	1.314%
67	19.203	2753	2757	2763	rVV	877950	1161258	19.47%	1.626%
68	19.268	2765	2768	2771	rVV2	76008	100048	1.68%	0.140%
69	19.303	2771	2774	2778	rVB2	80273	105809	1.77%	0.148%
70	19.421	2790	2794	2800	rVB	2520511	3408759	57.14%	4.773%
71	19.503	2804	2808	2812	rVB4	135569	196759	3.30%	0.275%

LSC Area Percent Report

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Acq On : 30 Nov 2018 01:33
Operator : JU/SJ
Sample : J6027-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4R8

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-BM111918MA.M
Title : SVOA CALIBRATION

72	19.550	2812	2816	2819	rVB3	143789	175952	2.95%	0.246%
73	19.609	2822	2826	2827	rBV	178192	214206	3.59%	0.300%
74	19.633	2827	2830	2832	rBV	185121	221114	3.71%	0.310%
75	19.774	2847	2854	2859	rBV4	847510	1288377	21.60%	1.804%
76	19.821	2859	2862	2869	rVB3	277262	506622	8.49%	0.709%
77	19.921	2869	2879	2883	rBV2	2308204	3311970	55.52%	4.637%
78	19.968	2885	2887	2891	rVB	178597	200108	3.35%	0.280%
79	20.027	2893	2897	2901	rBV2	362735	530560	8.89%	0.743%
80	20.121	2909	2913	2917	rVB	349262	438123	7.34%	0.613%
81	20.198	2922	2926	2931	rVV	1959161	2364403	39.64%	3.310%
82	20.250	2932	2935	2947	rVB3	541936	896092	15.02%	1.255%
83	20.356	2948	2953	2959	rBV2	772705	1124288	18.85%	1.574%
84	20.450	2965	2969	2972	rBV2	255234	300683	5.04%	0.421%
85	20.515	2972	2980	2985	rVV	1124421	2208349	37.02%	3.092%
86	20.562	2986	2988	2992	rVB3	227706	266275	4.46%	0.373%
87	20.662	3001	3005	3012	rVB	1067693	1275285	21.38%	1.786%
88	20.727	3012	3016	3021	rBV	471519	552478	9.26%	0.774%
89	20.880	3039	3042	3045	rVB	243529	267585	4.49%	0.375%
90	20.933	3045	3051	3055	rBV3	937817	1291386	21.65%	1.808%
91	20.986	3057	3060	3065	rVB4	451920	581650	9.75%	0.814%
92	21.044	3067	3070	3073	rBV2	180116	218823	3.67%	0.306%
93	21.192	3089	3095	3098	rBV2	2297532	4573434	76.67%	6.403%
94	21.221	3098	3100	3108	rVB2	2502714	3535052	59.26%	4.949%
95	21.527	3148	3152	3158	rBV2	627951	866630	14.53%	1.213%
96	21.586	3159	3162	3166	rVB2	306988	365857	6.13%	0.512%
97	21.650	3170	3173	3176	rVV4	326922	371180	6.22%	0.520%
98	21.786	3193	3196	3200	rVB2	238382	312725	5.24%	0.438%
99	22.727	3351	3356	3361	rBV2	830823	1635745	27.42%	2.290%
100	23.380	3461	3467	3474	rVB	1295814	2389605	40.06%	3.346%

Sum of corrected areas: 71422499

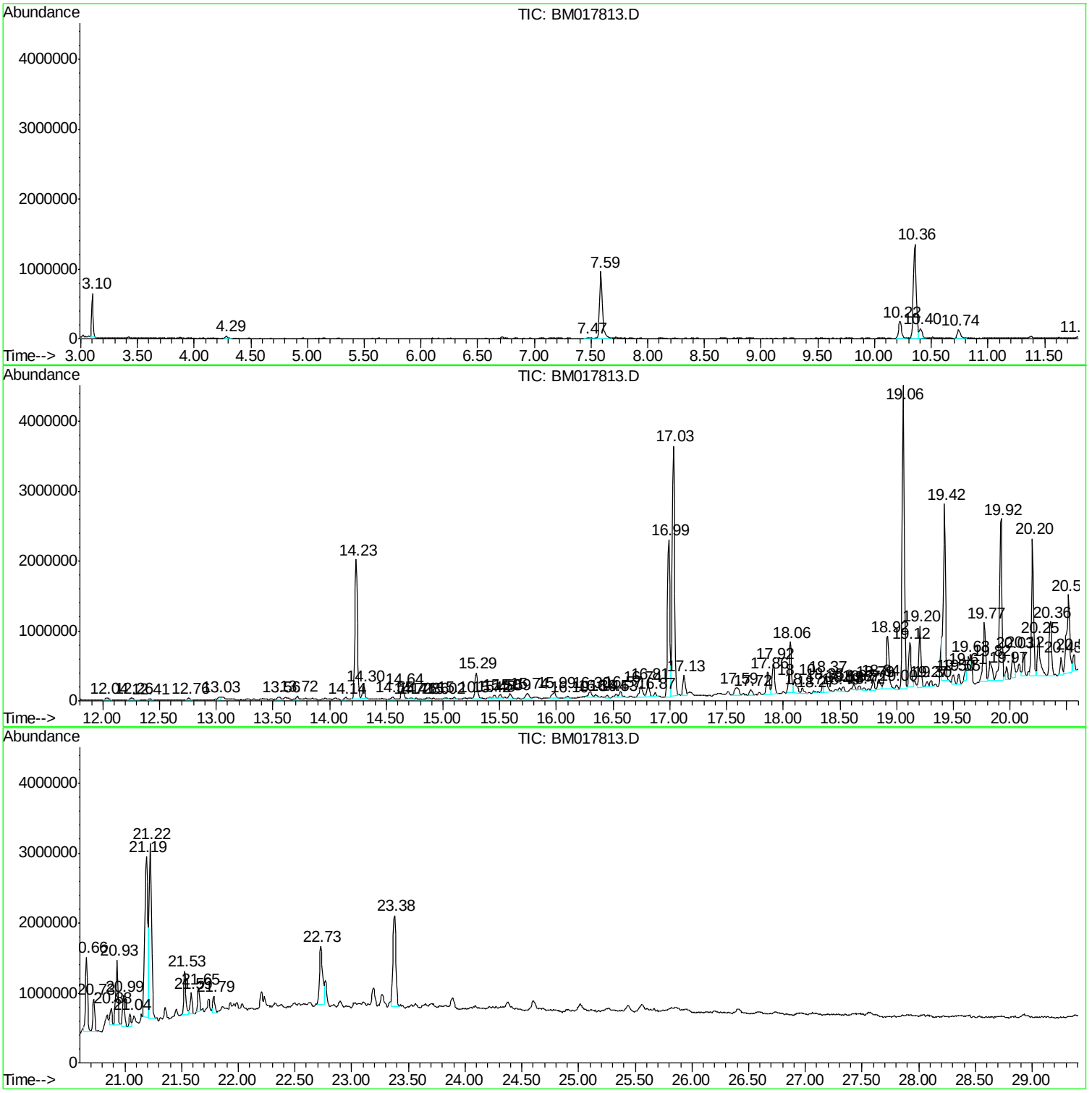
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017813.D
Acq On : 30 Nov 2018 01:33
Operator : JU/SJ
Sample : J6027-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4R8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.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\BM112918\
Data File : BM017813.D
Acq On : 30 Nov 2018 01:33
Operator : JU/SJ
Sample : J6027-21
Misc :
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Instrument : BNA_M
ClientSampleId : CB4R8

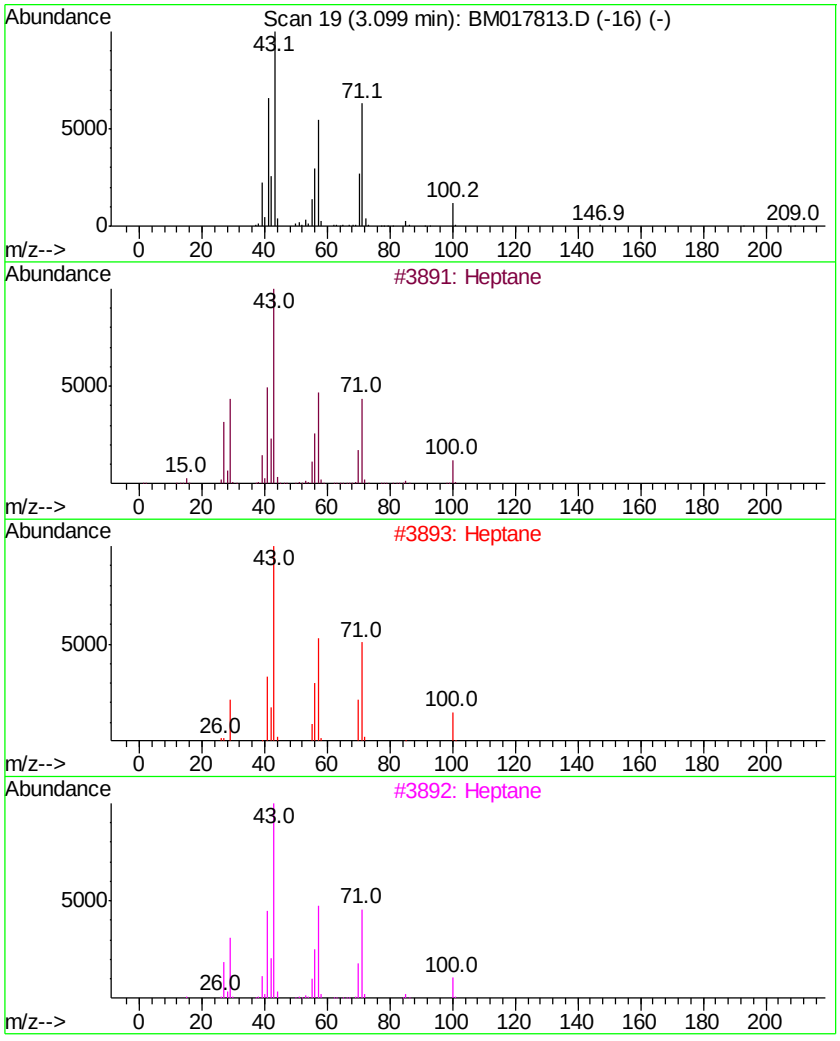
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

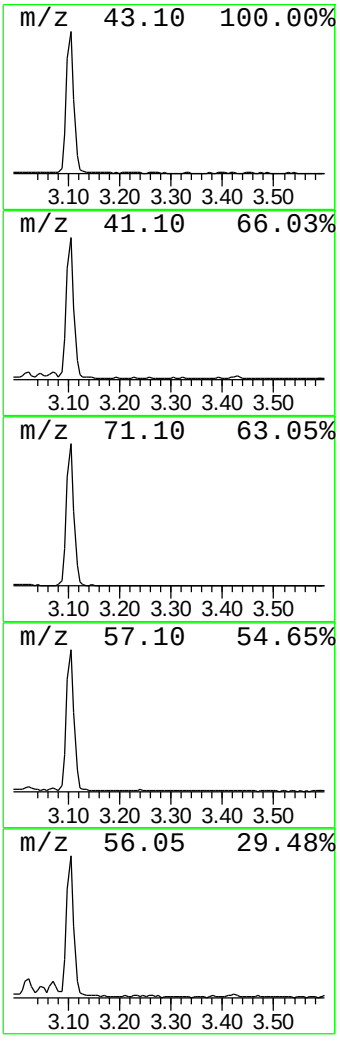
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.10	7.12 ng/ul	605819	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Heptane	100	C7H16	000142-82-5	91
3	Heptane	100	C7H16	000142-82-5	87
4	Heptane	100	C7H16	000142-82-5	86
5	Decane, 4-methyl-	156	C11H24	002847-72-5	45





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017813.D
Acq On : 30 Nov 2018 01:33
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4R8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

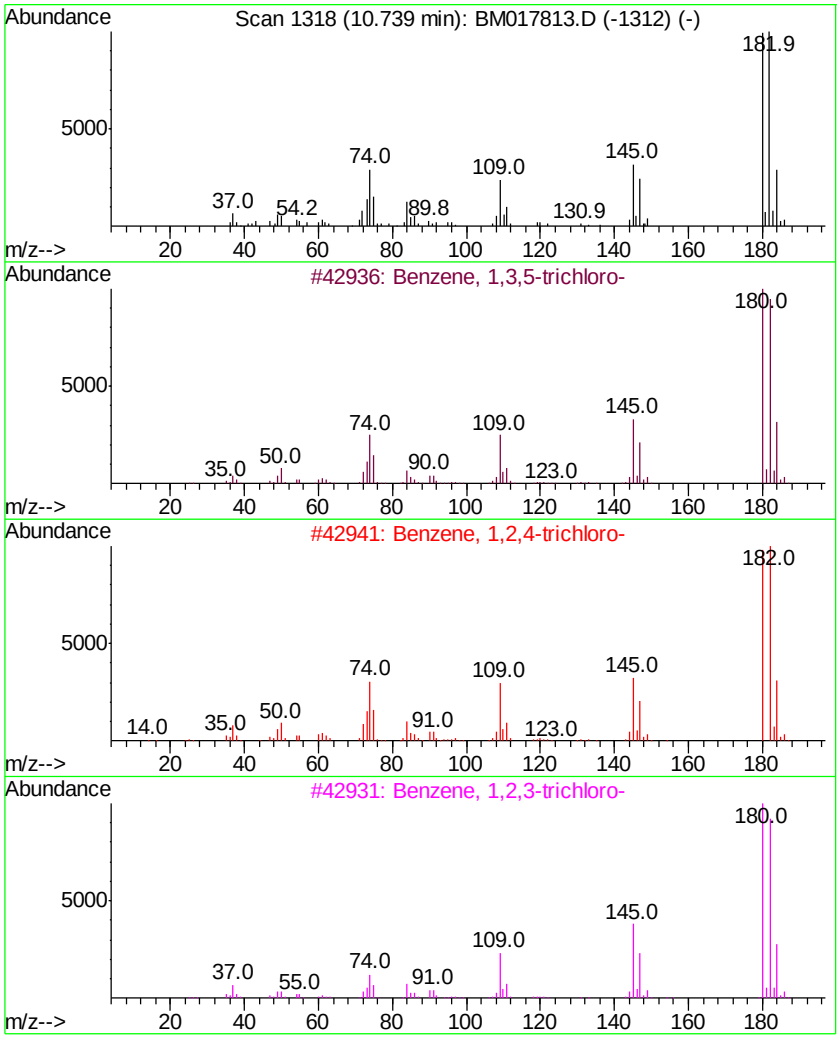
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

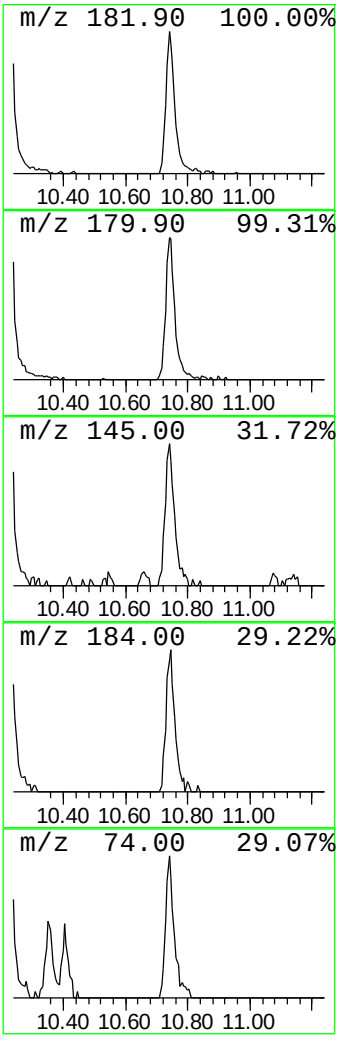
****

Peak Number 3 Benzene, 1,3,5-trichloro- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.74	2.21 ng/ul	256206	Naphthalene-d8	10.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	98
2	Benzene, 1,2,4-trichloro-	180	C6H3Cl3	000120-82-1	98
3	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	98
4	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	98
5	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	97





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
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Misc :
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Instrument : BNA_M
ClientSampleId : CB4R8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

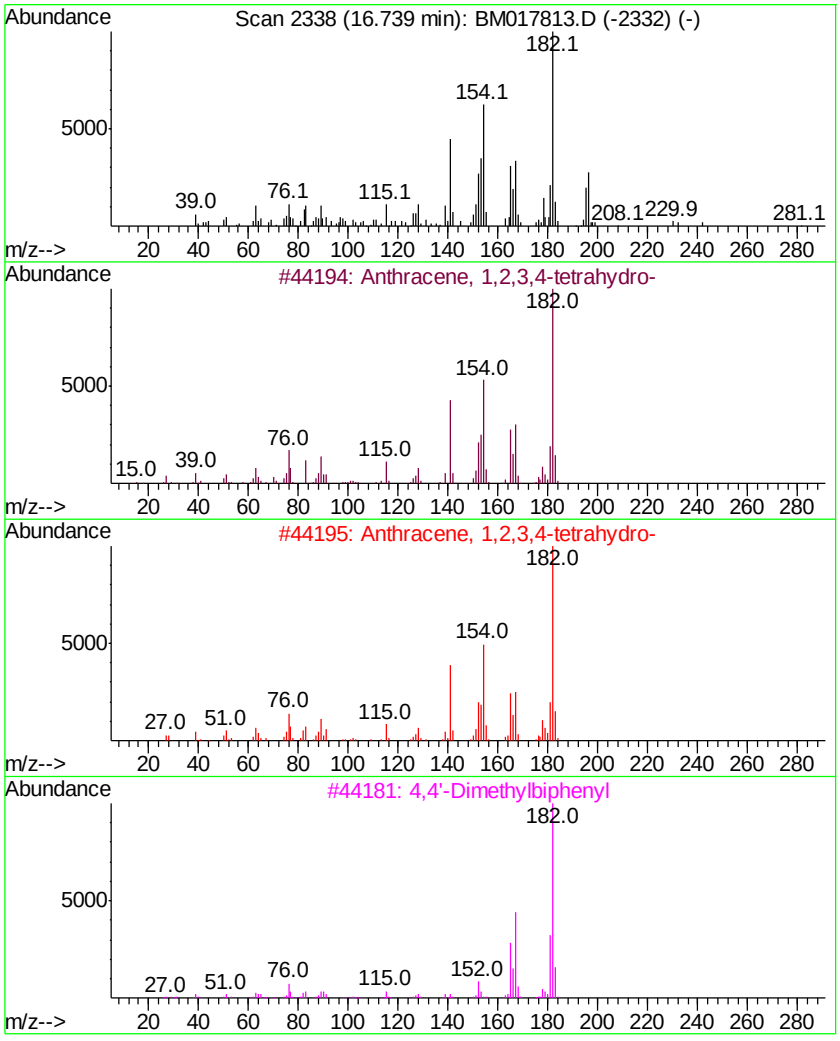
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

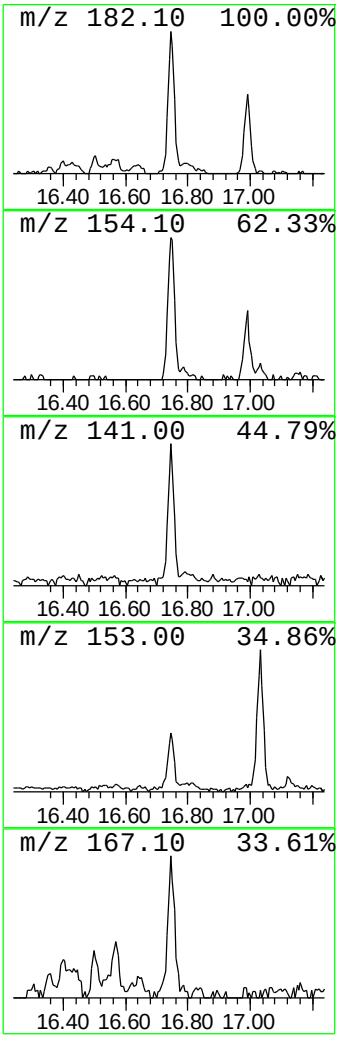
****

Peak Number 4 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	2.12 ng/ul	336337	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	98
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	94
3	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	86
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	76
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017813.D
Acq On : 30 Nov 2018 01:33
Operator : JU/SJ
Sample : J6027-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4R8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

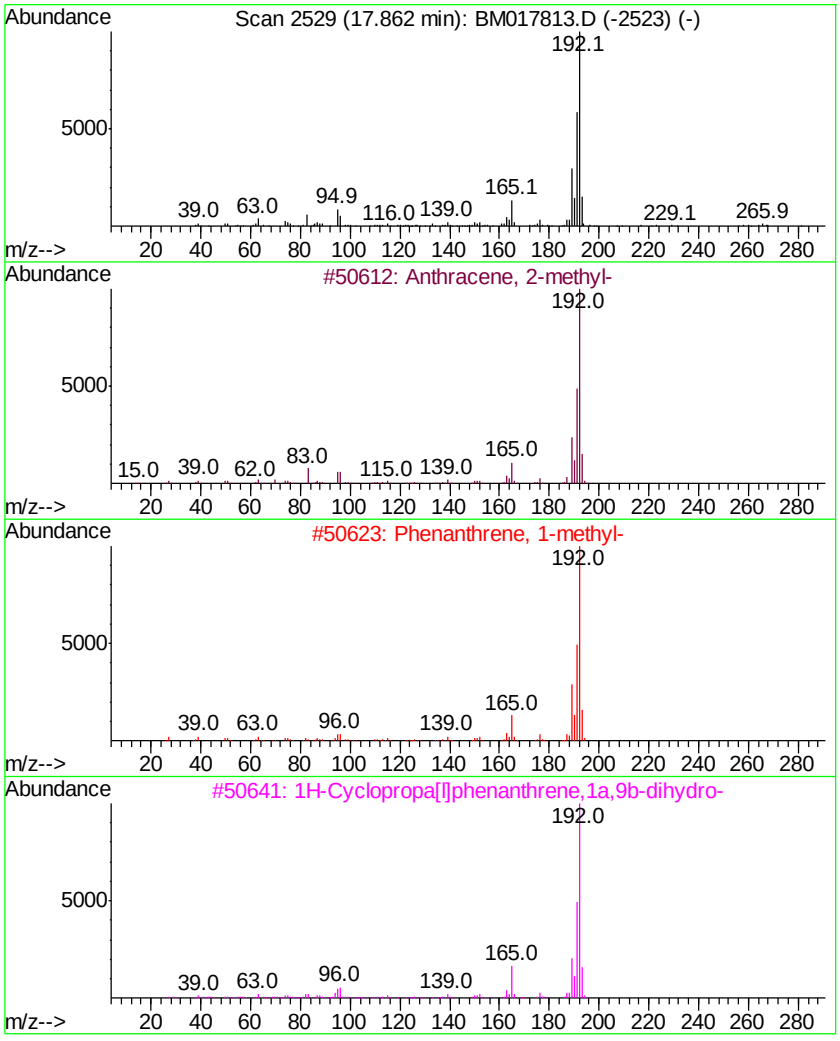
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

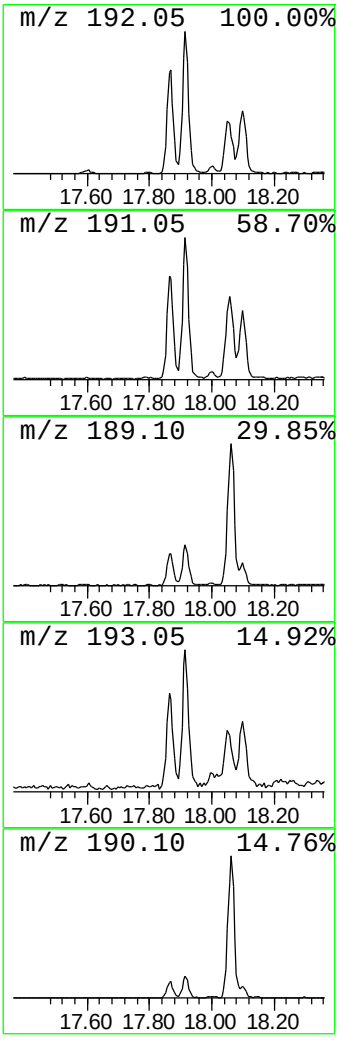
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	3.41 ng/ul	541309	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017813.D
Acq On : 30 Nov 2018 01:33
Operator : JU/SJ
Sample : J6027-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4R8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

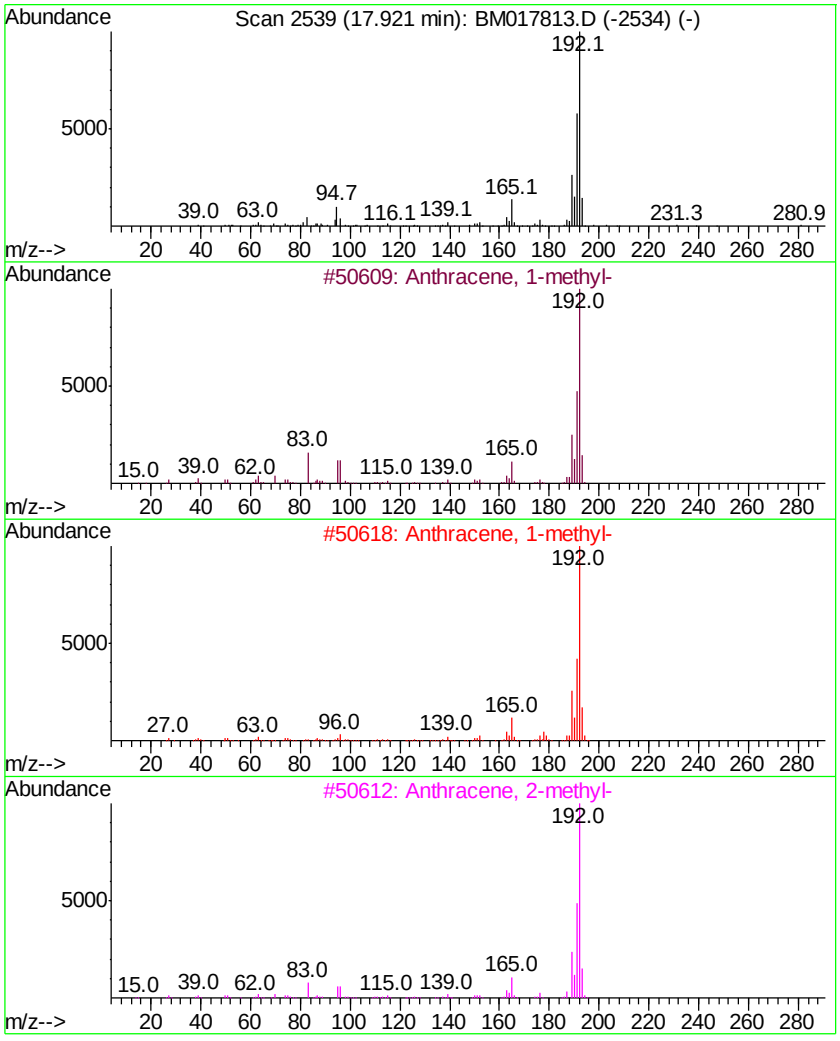
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

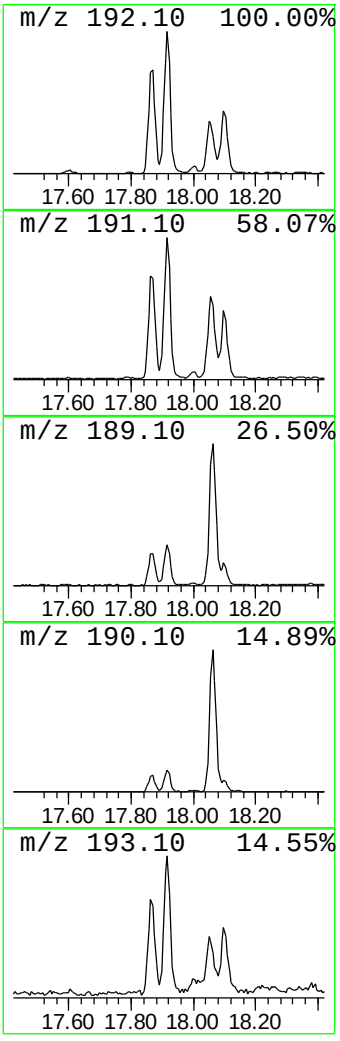
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	3.81 ng/ul	605445	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Operator : JU/SJ
Sample : J6027-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4R8

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Quant Title : SVOA CALIBRATION

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

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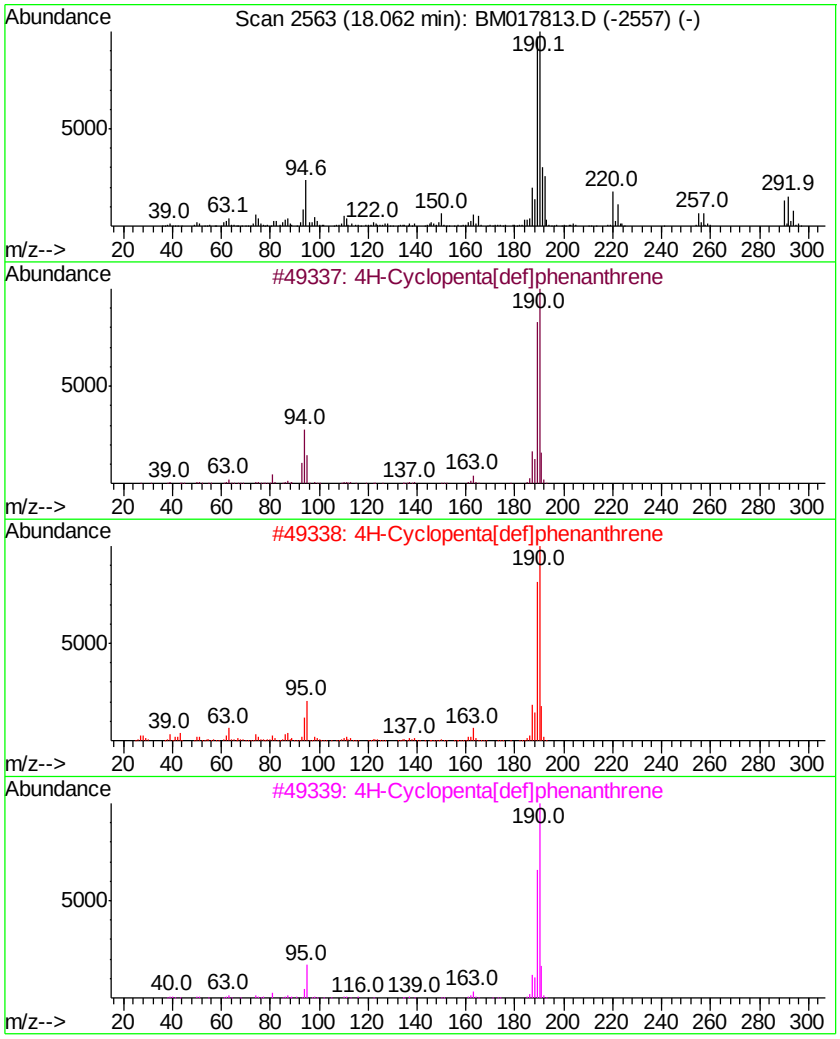
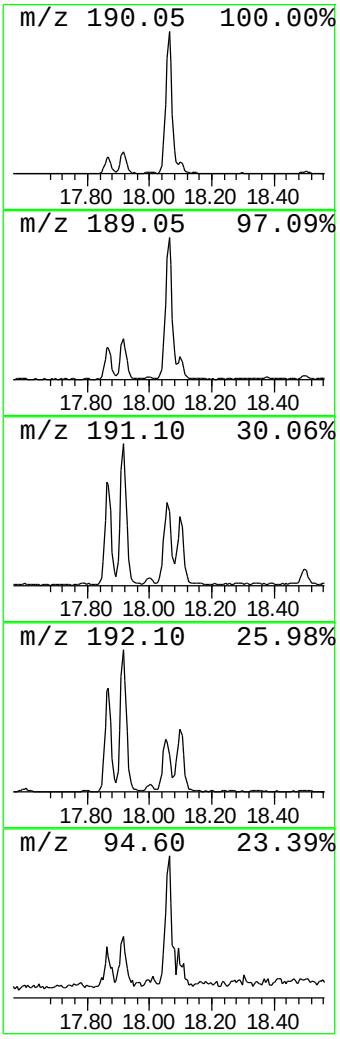
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	7.12 ng/ul	1130410	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





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Misc :
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Instrument : BNA_M
ClientSampleId : CB4R8

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Quant Title : SVOA CALIBRATION

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

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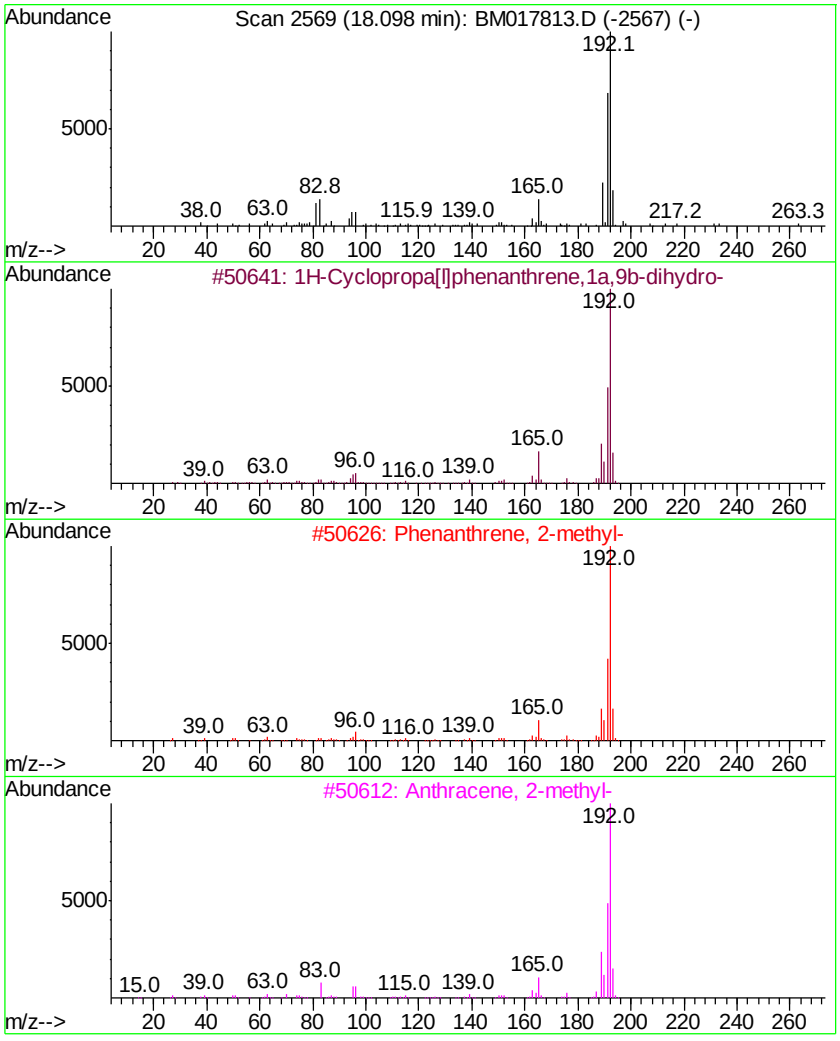
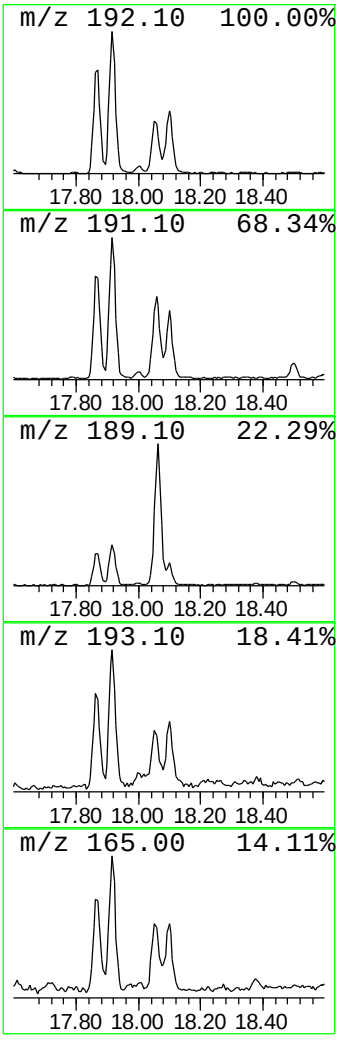
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	2.24 ng/ul	355261	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83





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Quant Title : SVOA CALIBRATION

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

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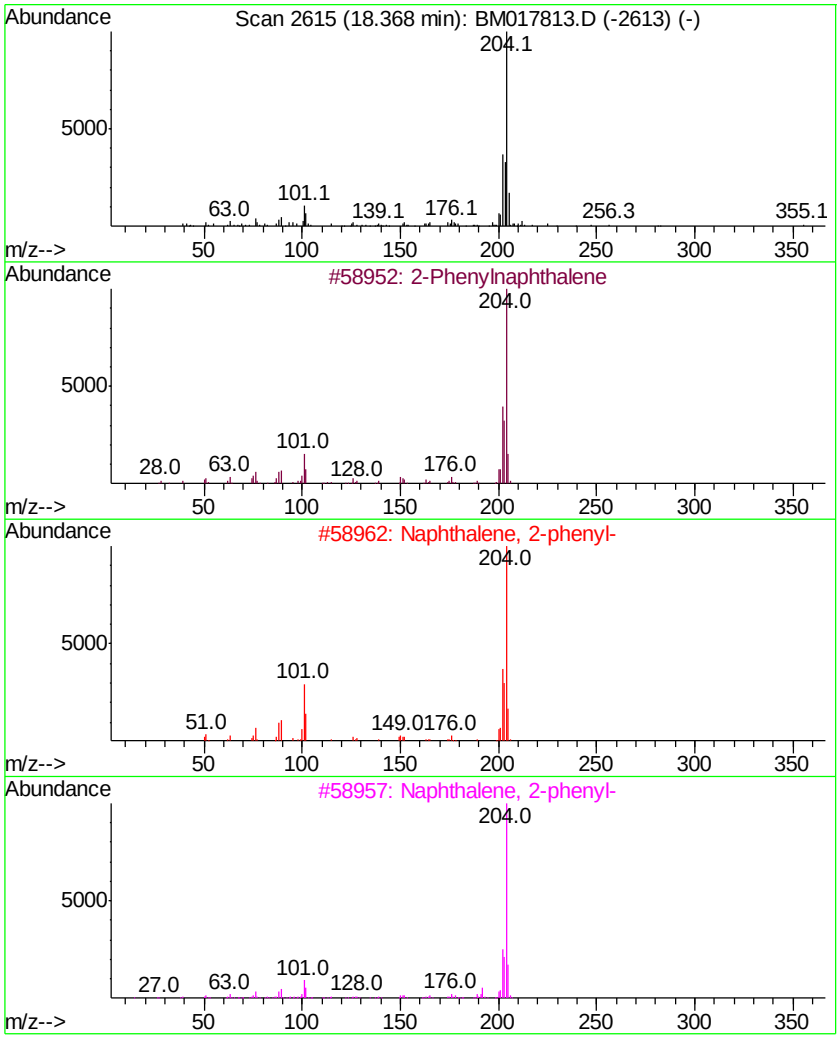
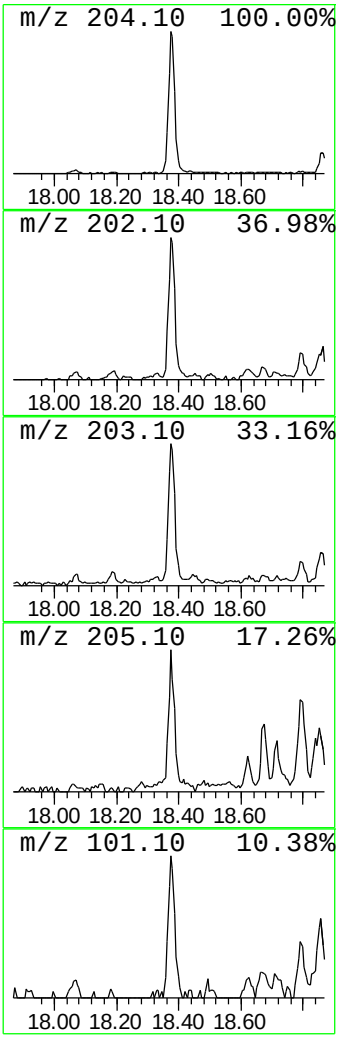
Peak Number 9 2-Phenylnaphthalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	2.48 ng/ul	393903	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	87
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74





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Quant Title : SVOA CALIBRATION

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

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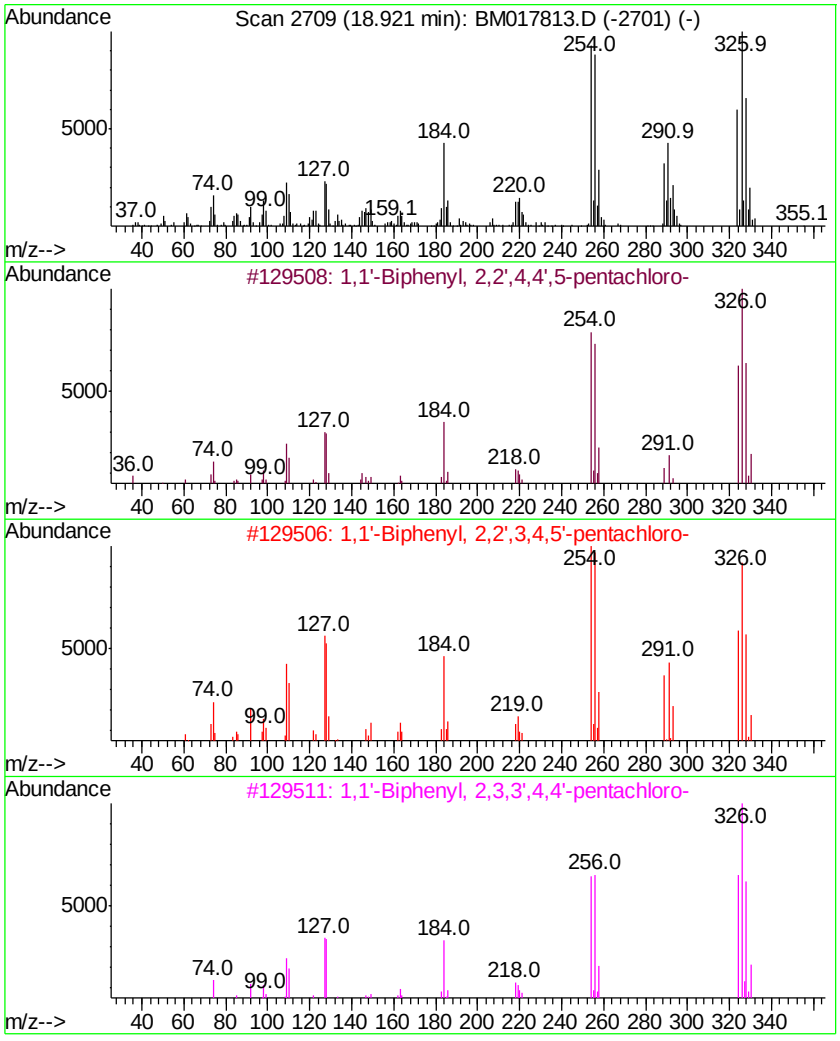
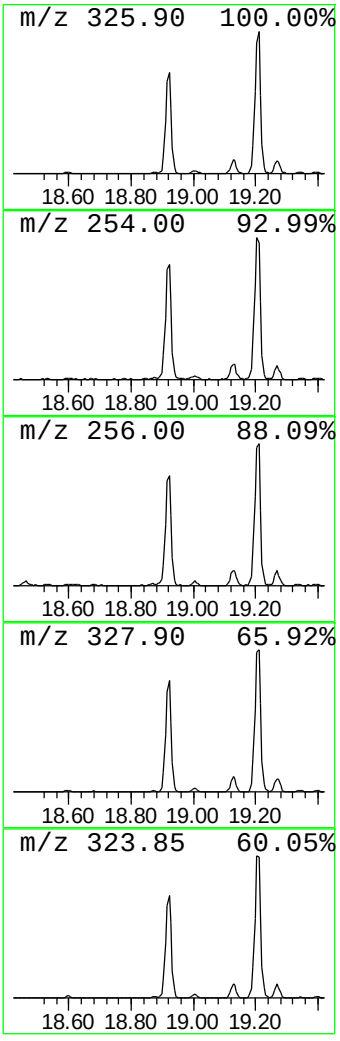
Peak Number 10 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	8.94 ng/ul	1419830	Phenanthrene-d10	16.99

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',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
4	1,1'-Biphenyl, 2,2',3,3',4-penta...	324	C12H5Cl5	052663-62-4	99
5	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99





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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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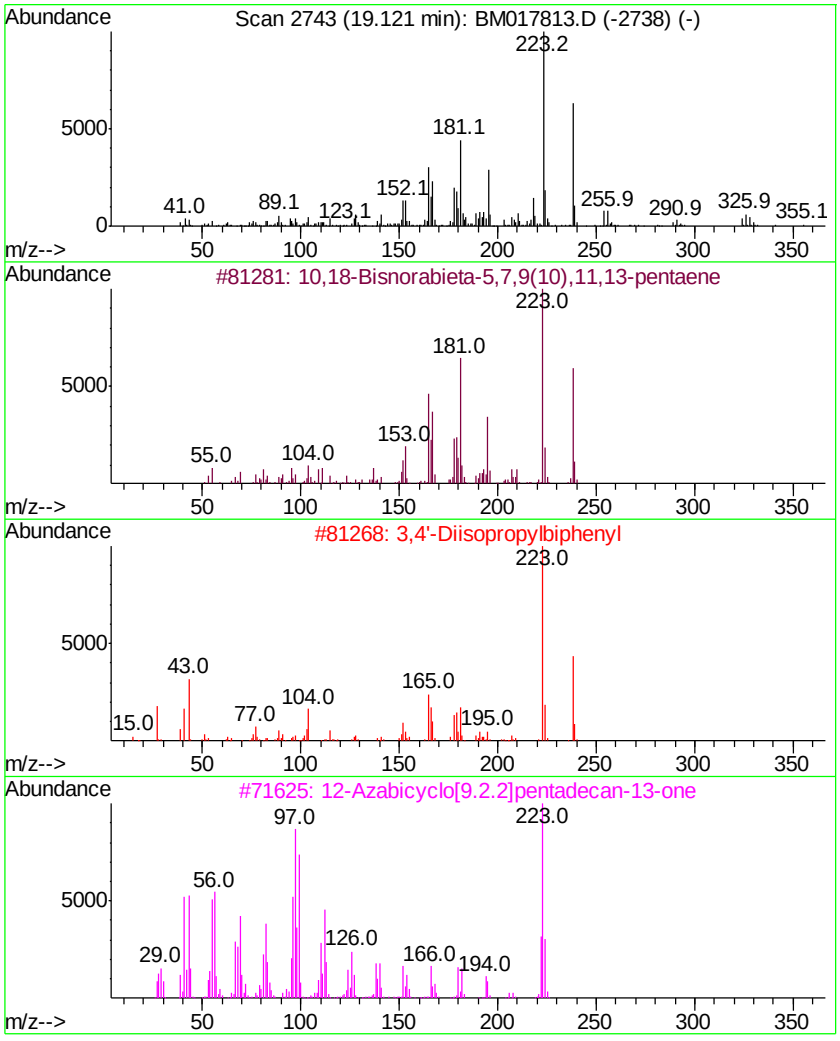
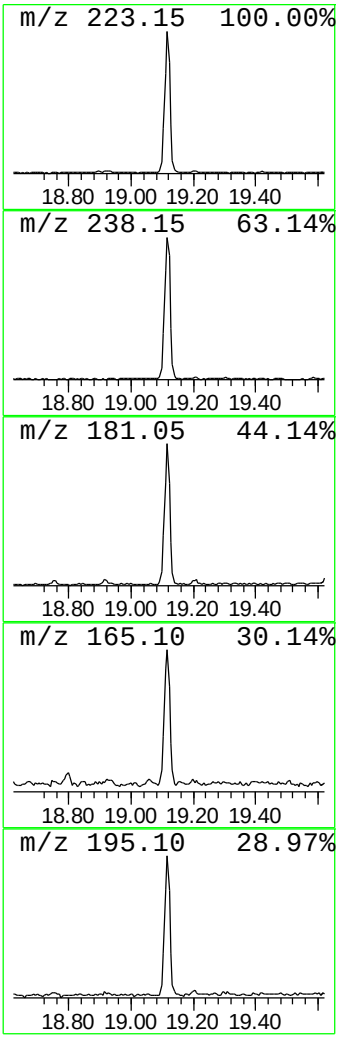
Peak Number 11 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	4.10 ng/ul	938659	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	86
3	12-Azabicyclo[9.2.2]pentadecan-1...	223	C14H25NO	1000191-26-7	74
4	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	60
5	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	50





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Quant Title : SVOA CALIBRATION

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

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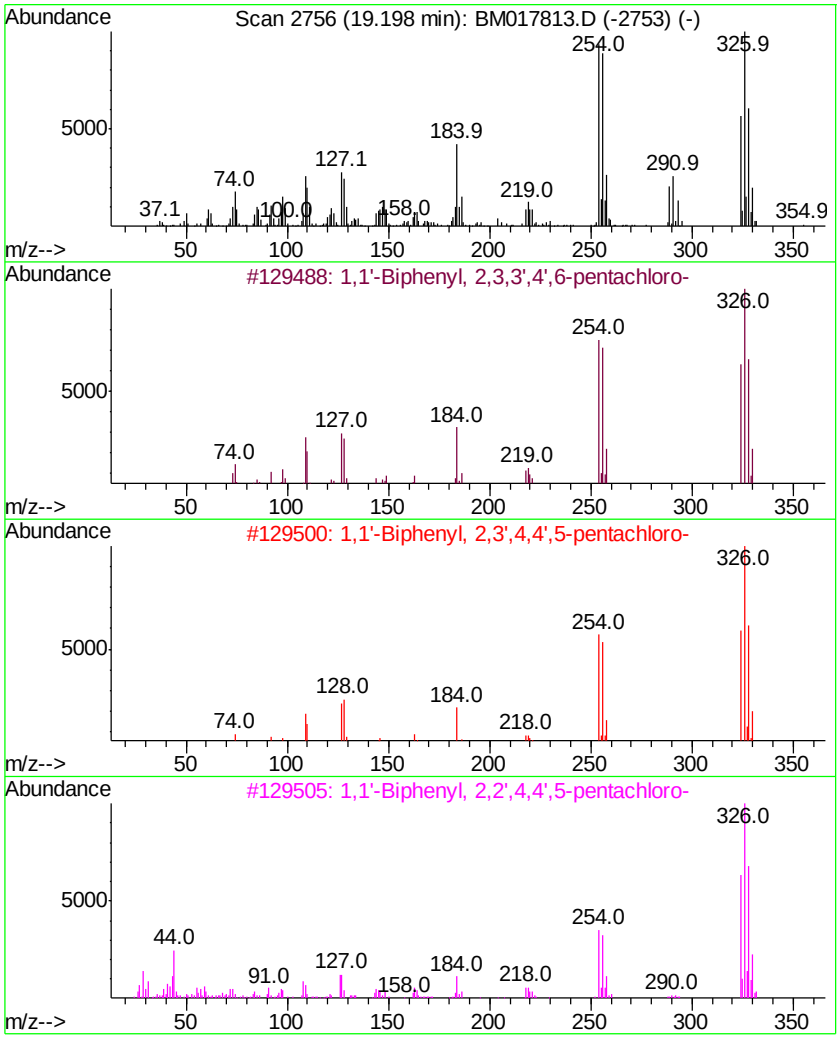
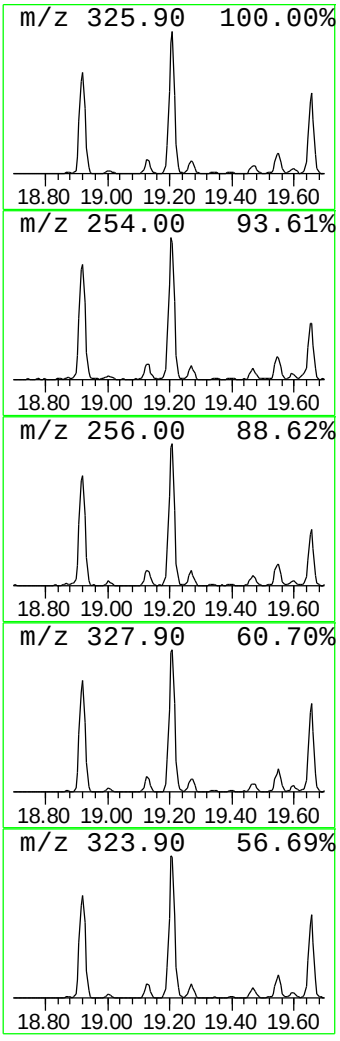
Peak Number 12 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	5.08 ng/ul	1161260	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
2	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
3	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
4	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
5	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	98





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4R8

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Quant Title : SVOA CALIBRATION

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

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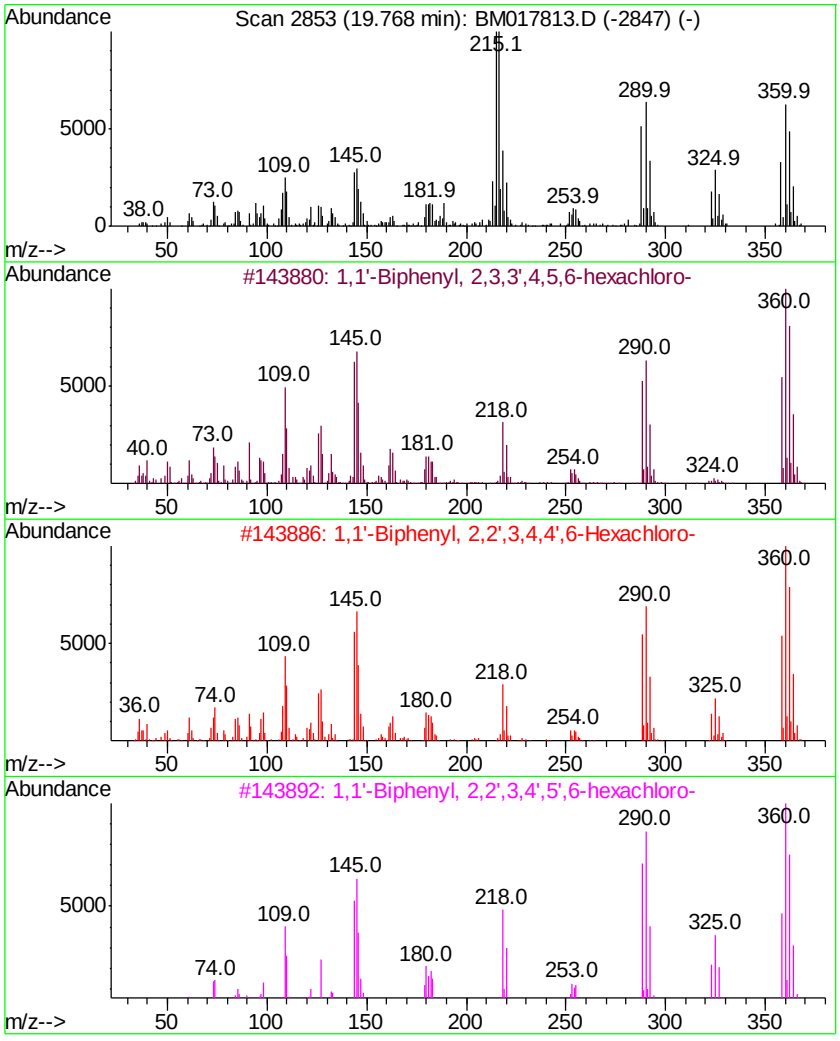
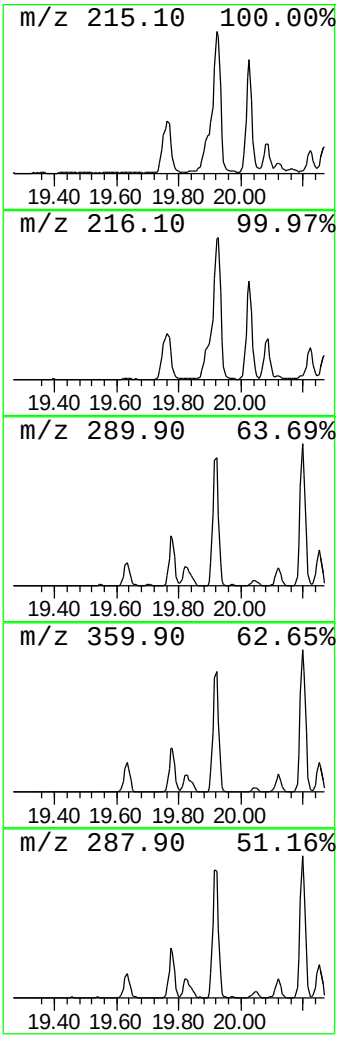
Peak Number 13 1,1'-Biphenyl, 2,3,3',4,5,6... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	5.63 ng/ul	1288380	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	99
2	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	99
3	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
4	1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	99
5	1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	99





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Misc :
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Instrument : BNA_M
ClientSampleId : CB4R8

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Quant Title : SVOA CALIBRATION

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

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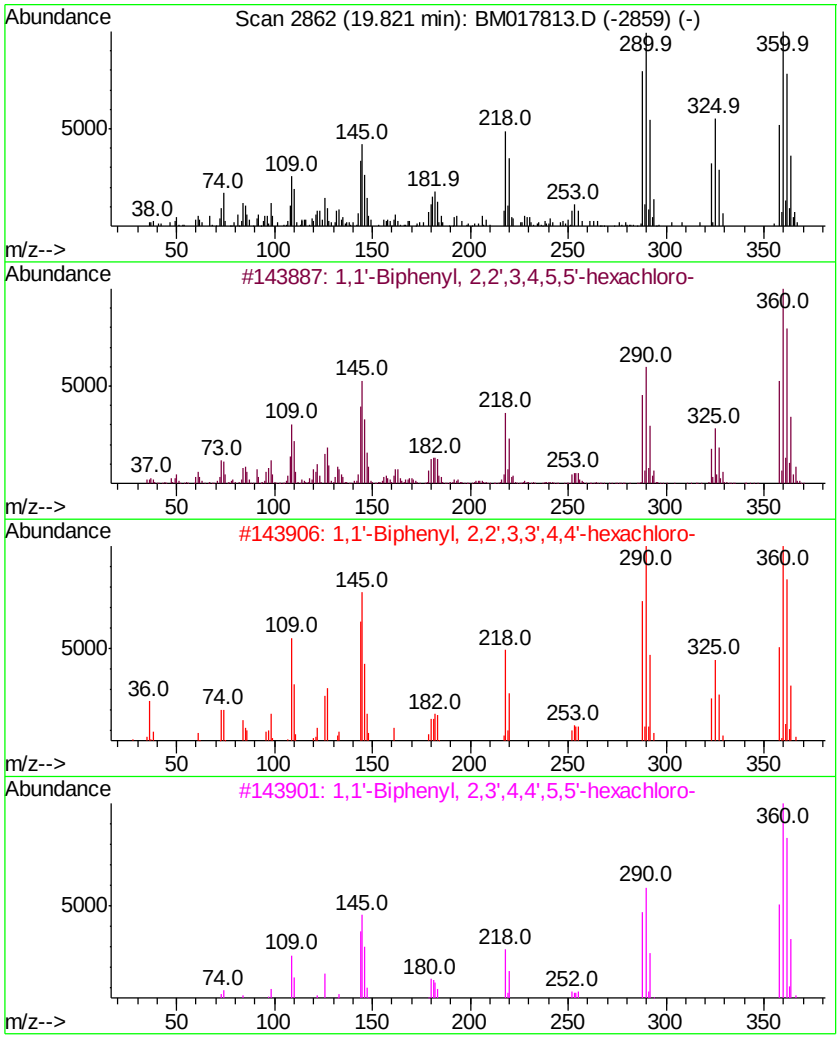
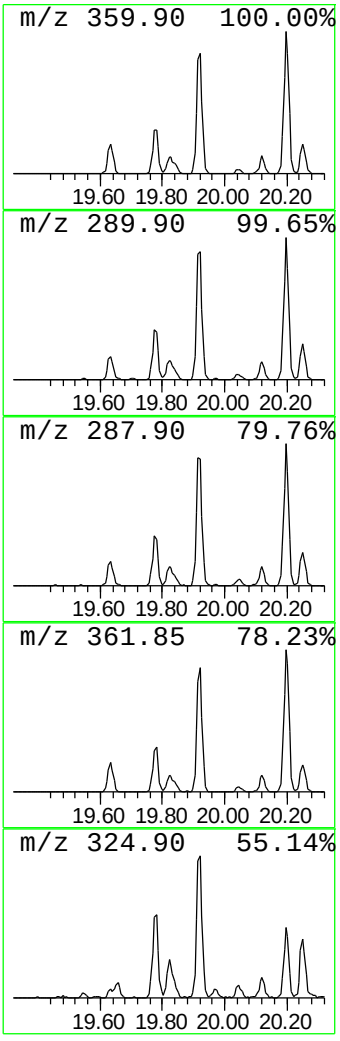
Peak Number 14 1,1'-Biphenyl, 2,2',3,4,5,5... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	2.22 ng/ul	506622	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
2	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	98
3	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	97
4	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	97
5	1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	96





Library Search Compound Report

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ClientSampleId : CB4R8

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Quant Title : SVOA CALIBRATION

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

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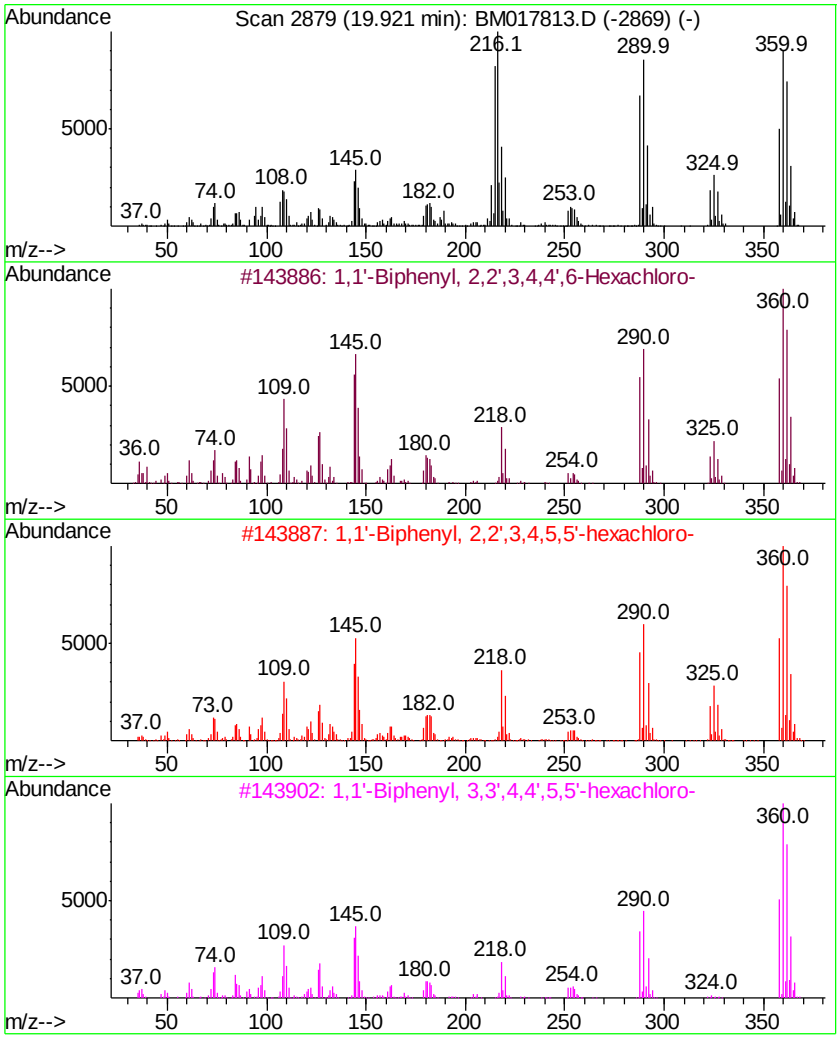
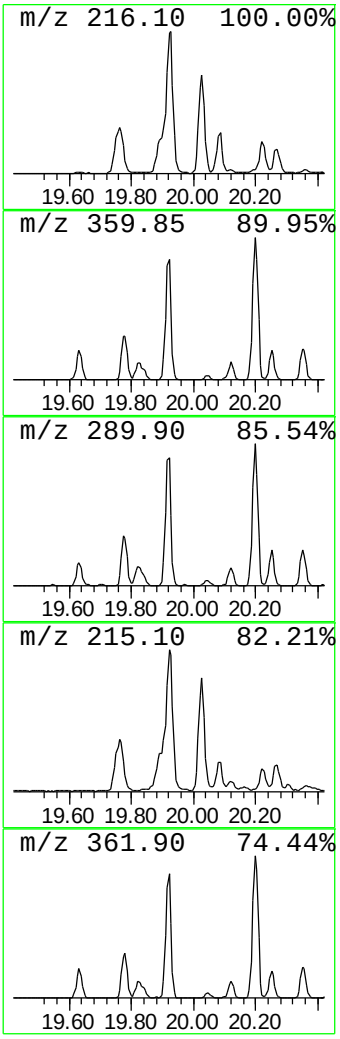
Peak Number 15 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	14.48 ng/ul	3311970	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	99
2	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
3	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
4	1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	99
5	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	99





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Quant Title : SVOA CALIBRATION

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

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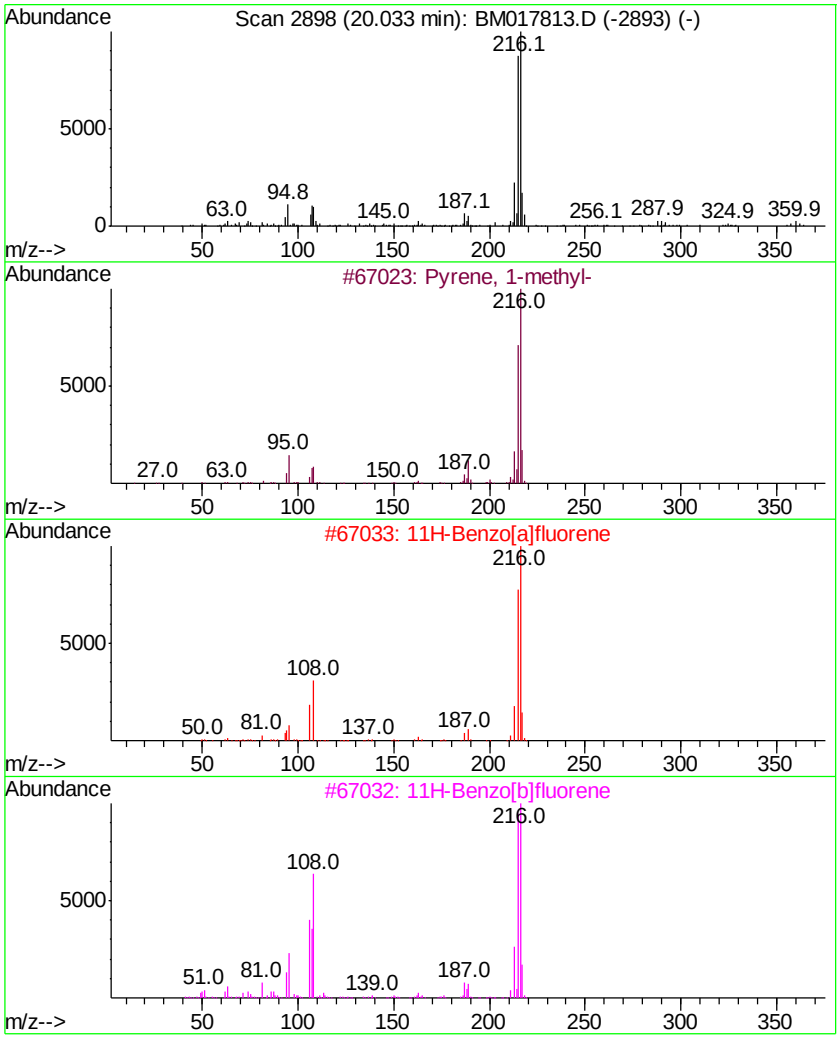
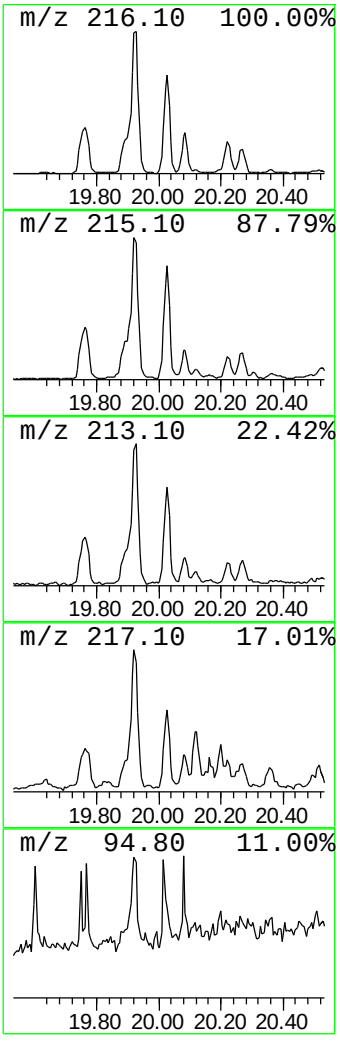
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.03	2.32 ng/ul	530560	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74





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Quant Title : SVOA CALIBRATION

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

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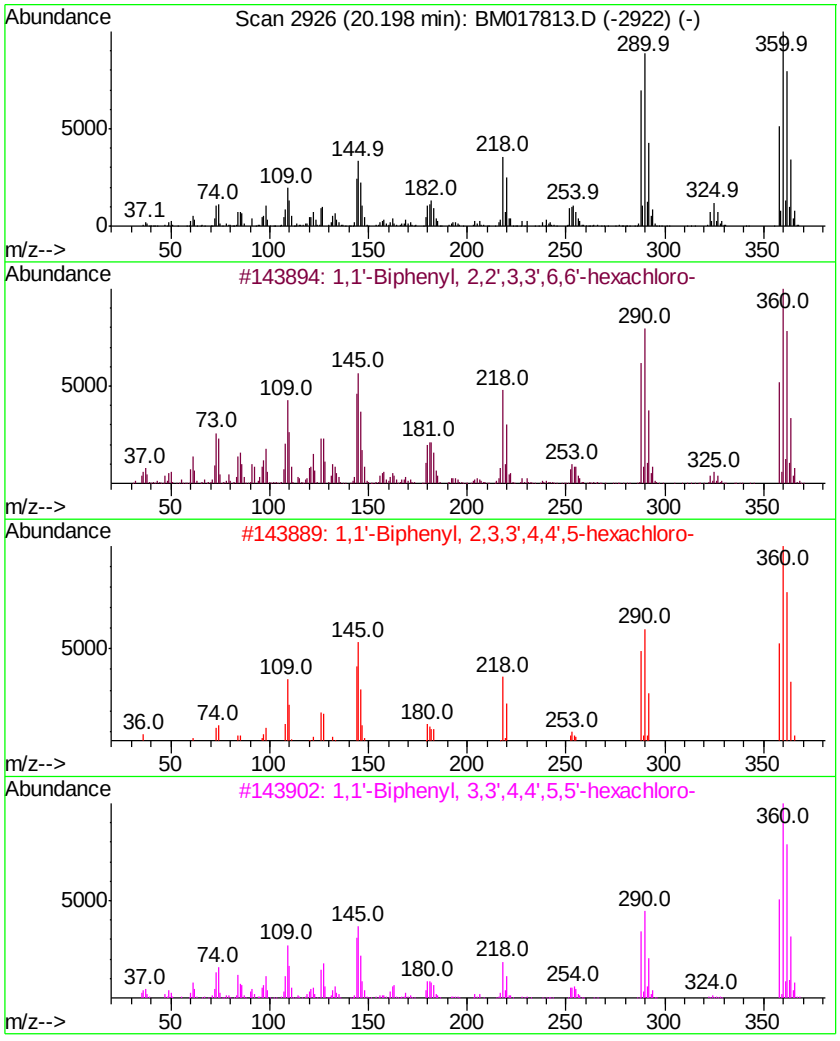
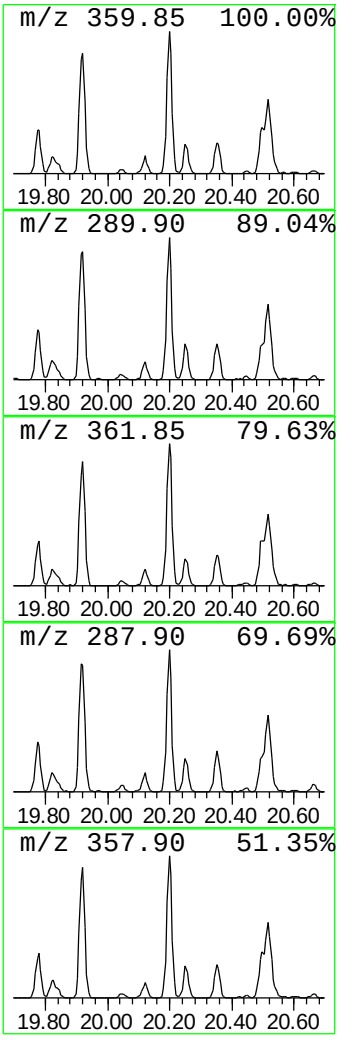
Peak Number 17 1,1'-Biphenyl, 2,2',3,3',6,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.20	10.34 ng/ul	2364400	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	99
2	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
3	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
4	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	98
5	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017813.D
Acq On : 30 Nov 2018 01:33
Operator : JU/SJ
Sample : J6027-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4R8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

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

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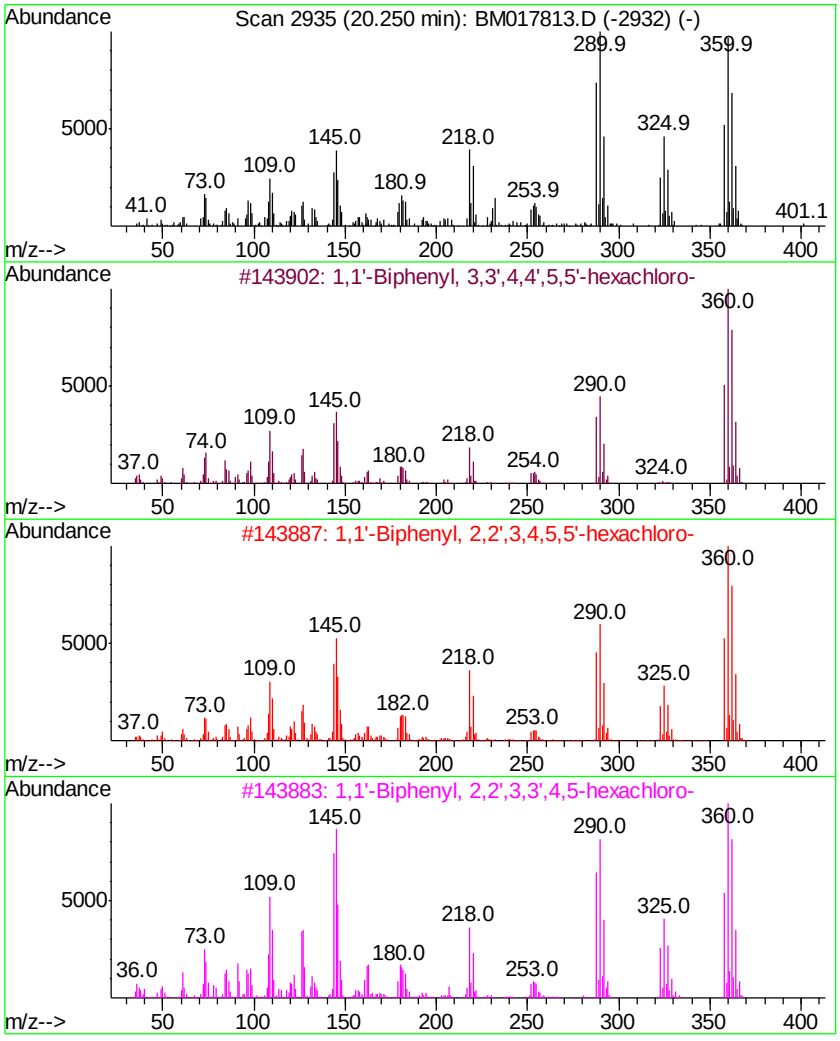
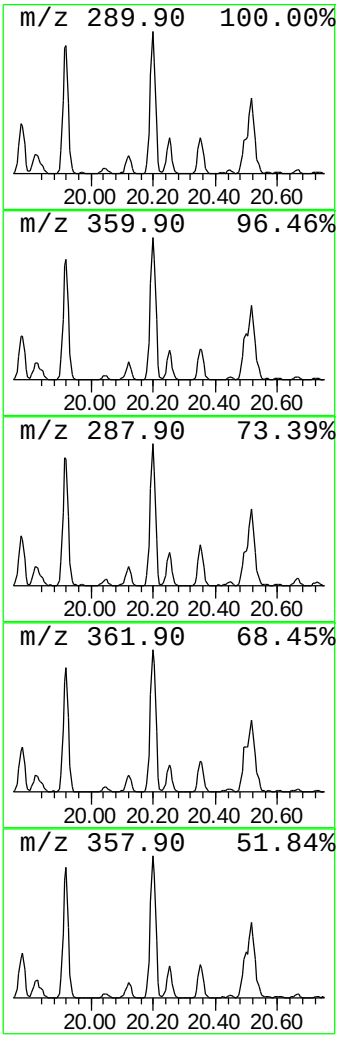
Peak Number 18 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.25	3.92 ng/ul	896092	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
2	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
3	1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	99
4	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	99
5	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99





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Data File : BM017813.D
Acq On : 30 Nov 2018 01:33
Operator : JU/SJ
Sample : J6027-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4R8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

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

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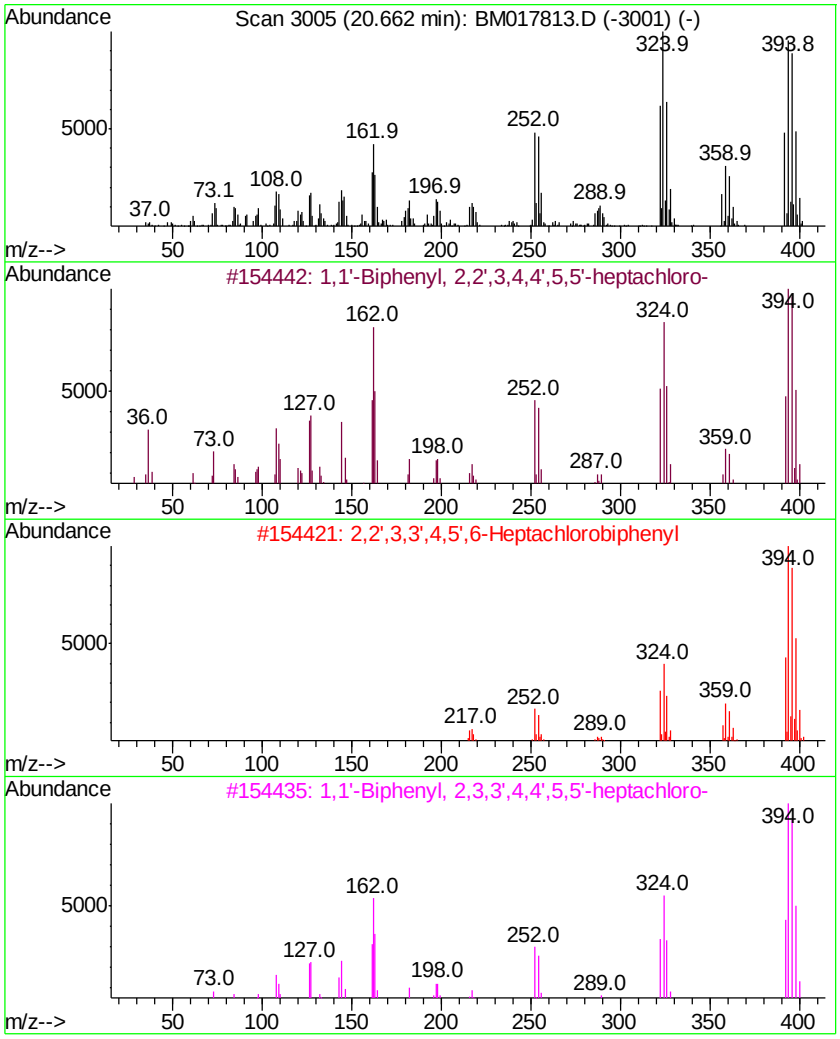
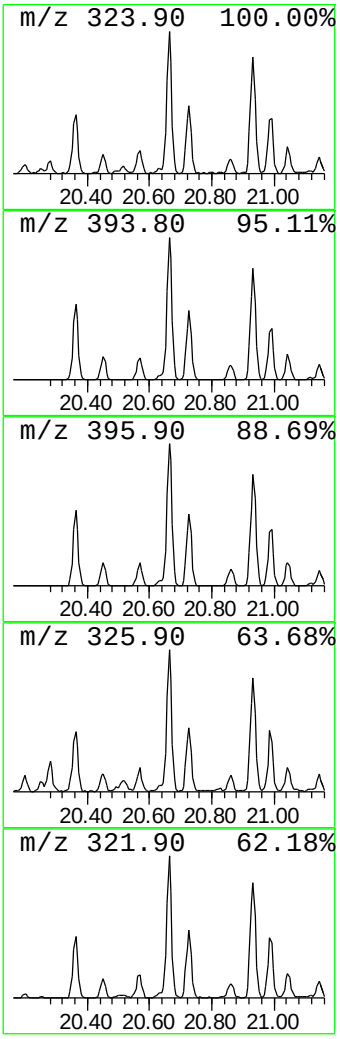
Peak Number 21 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.66	5.58 ng/ul	1275290	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5,5'-...	392	C12H3Cl7	035065-29-3	99
2	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
3	1,1'-Biphenyl, 2,3,3',4,4',5,5'-...	392	C12H3Cl7	039635-31-9	99
4	1,1'-Biphenyl, 2,2',3,4,5,5',6-h...	392	C12H3Cl7	052712-05-7	99
5	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	99





Library Search Compound Report

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Data File : BM017813.D
Acq On : 30 Nov 2018 01:33
Operator : JU/SJ
Sample : J6027-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4R8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

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

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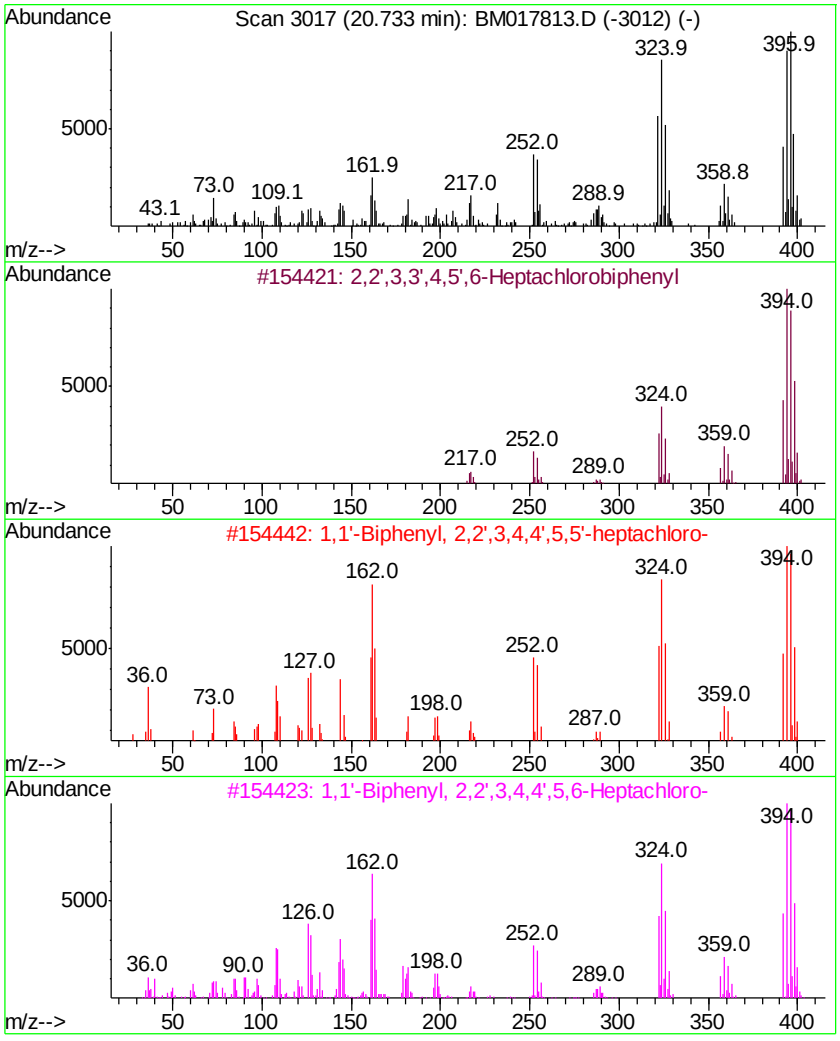
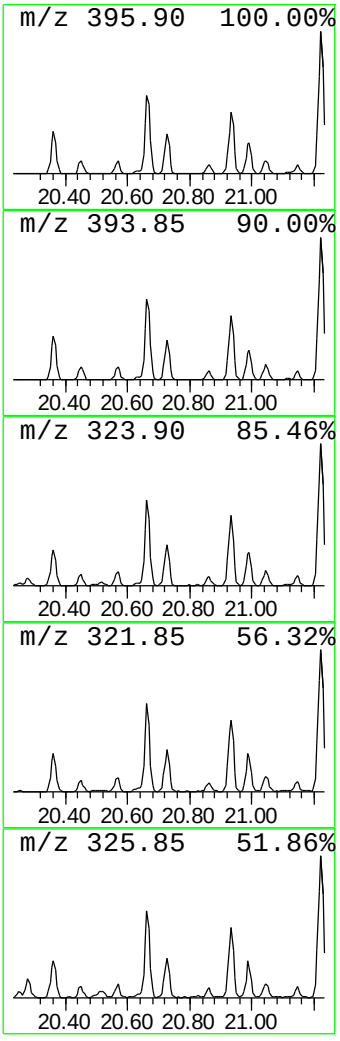
Peak Number 22 2,2',3,3',4,5',6-Heptachlor... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	2.42 ng/ul	552478	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
2	1,1'-Biphenyl, 2,2',3,4,4',5,5'-...	392	C12H3Cl7	035065-29-3	99
3	1,1'-Biphenyl, 2,2',3,4,4',5,6-H...	392	C12H3Cl7	074472-47-2	99
4	1,1'-Biphenyl, 2,3,3',4,5,5',6-h...	392	C12H3Cl7	074472-51-8	99
5	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	99





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4R8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

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

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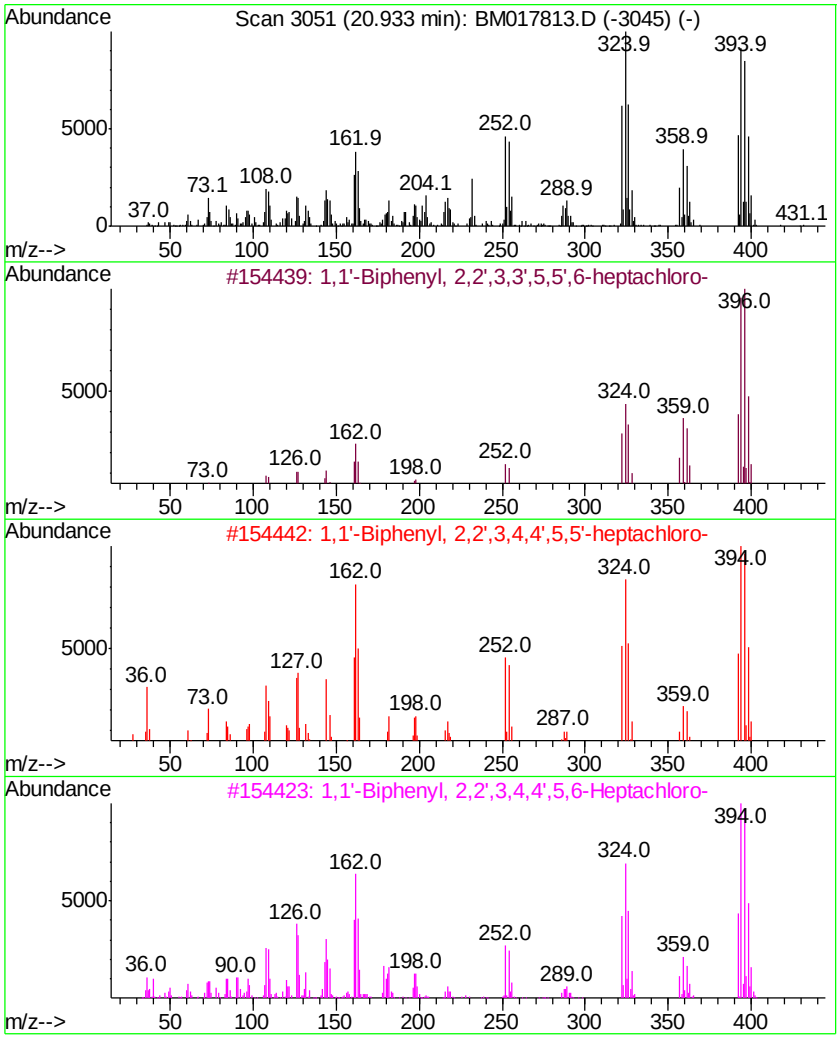
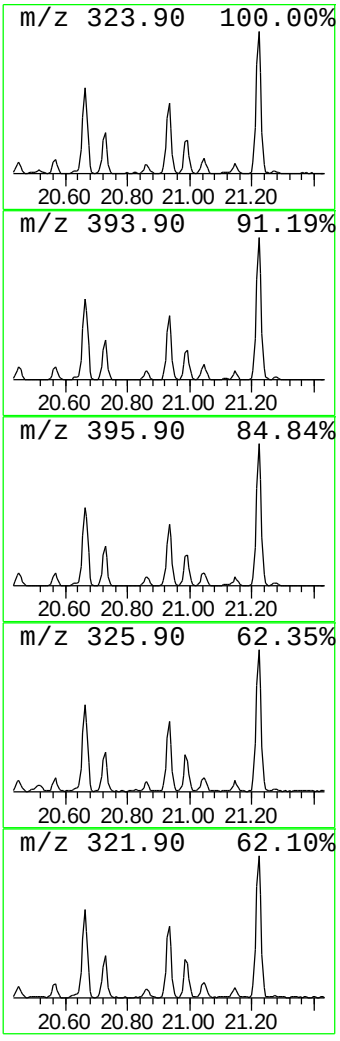
Peak Number 23 1,1'-Biphenyl, 2,2',3,3',5,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	5.65 ng/ul	1291390	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',5,5',6-...	392	C12H3Cl7	052663-67-9	99
2	1,1'-Biphenyl, 2,2',3,4,4',5,5'-...	392	C12H3Cl7	035065-29-3	99
3	1,1'-Biphenyl, 2,2',3,4,4',5,6-H...	392	C12H3Cl7	074472-47-2	99
4	1,1'-Biphenyl, 2,3,3',4,5,5',6-h...	392	C12H3Cl7	074472-51-8	99
5	1,1'-Biphenyl, 2,2',3,3',4,5,5'-...	392	C12H3Cl7	052663-74-8	99





Library Search Compound Report

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Data File : BM017813.D
Acq On : 30 Nov 2018 01:33
Operator : JU/SJ
Sample : J6027-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4R8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

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

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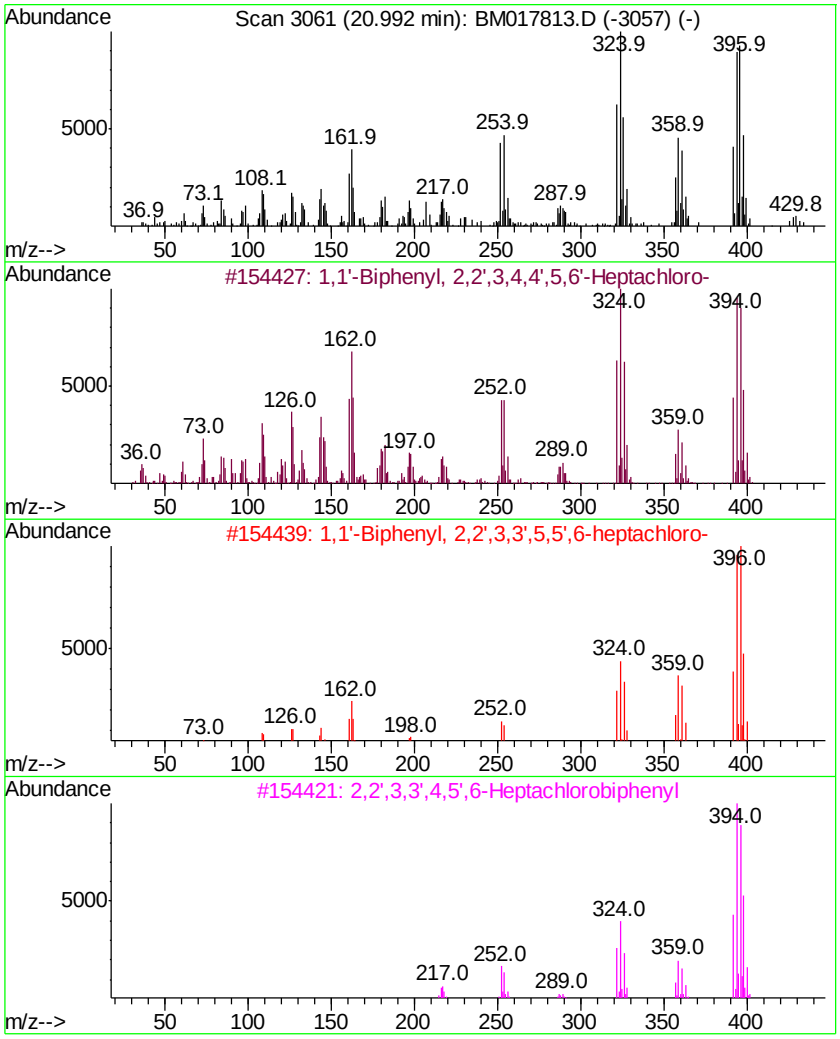
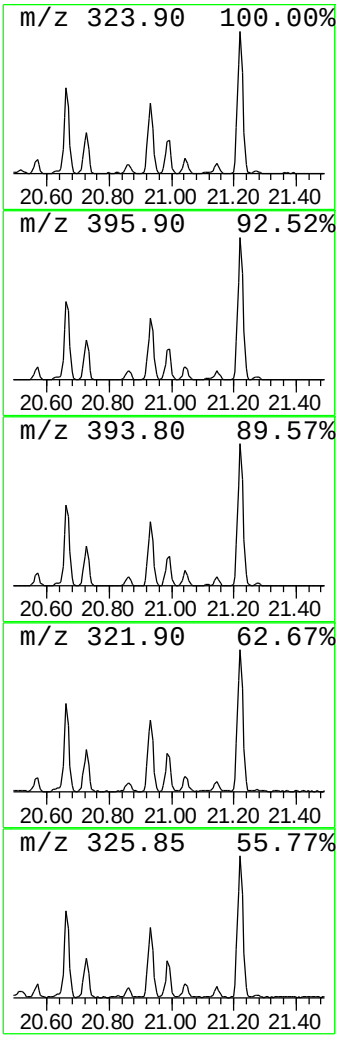
Peak Number 24 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	2.54 ng/ul	581650	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	99
2	1,1'-Biphenyl, 2,2',3,3',5,5',6-...	392	C12H3Cl7	052663-67-9	99
3	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
4	1,1'-Biphenyl, 2,2',3,4,5,6,6'-H...	392	C12H3Cl7	074472-49-4	99
5	1,1'-Biphenyl, 2,3,3',4,5,5',6-h...	392	C12H3Cl7	074472-51-8	99





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112918\
Data File : BM017813.D
Acq On : 30 Nov 2018 01:33
Operator : JU/SJ
Sample : J6027-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4R8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.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: Str...	3.10	7.1	ng/ul	605819	1	7.59	1702290	20.0
Benzene, 1,3,5-tr...	10.74	2.2	ng/ul	256206	2	10.36	2322910	20.0
Anthracene, 1,2,3...	16.74	2.1	ng/ul	336337	4	16.99	3176480	20.0
Anthracene, 2-met...	17.86	3.4	ng/ul	541309	4	16.99	3176480	20.0
Anthracene, 1-met...	17.92	3.8	ng/ul	605445	4	16.99	3176480	20.0
4H-Cyclopenta[def...	18.06	7.1	ng/ul	1130410	4	16.99	3176480	20.0
1H-Cyclopropa[l]p...	18.10	2.2	ng/ul	355261	4	16.99	3176480	20.0
2-Phenylnaphthalene	18.37	2.5	ng/ul	393903	4	16.99	3176480	20.0
1,1'-Biphenyl, 2,...	18.92	8.9	ng/ul	1419830	4	16.99	3176480	20.0
10,18-Bisnorabiet...	19.12	4.1	ng/ul	938659	5	21.19	4573430	20.0
1,1'-Biphenyl, 2,...	19.20	5.1	ng/ul	1161260	5	21.19	4573430	20.0
1,1'-Biphenyl, 2,...	19.77	5.6	ng/ul	1288380	5	21.19	4573430	20.0
1,1'-Biphenyl, 2,...	19.82	2.2	ng/ul	506622	5	21.19	4573430	20.0
1,1'-Biphenyl, 2,...	19.92	14.5	ng/ul	3311970	5	21.19	4573430	20.0
Pyrene, 1-methyl-	20.03	2.3	ng/ul	530560	5	21.19	4573430	20.0
1,1'-Biphenyl, 2,...	20.20	10.3	ng/ul	2364400	5	21.19	4573430	20.0
1,1'-Biphenyl, 3,...	20.25	3.9	ng/ul	896092	5	21.19	4573430	20.0
1,1'-Biphenyl, 2,...	20.66	5.6	ng/ul	1275290	5	21.19	4573430	20.0
2,2',3,3',4,5',6-...	20.73	2.4	ng/ul	552478	5	21.19	4573430	20.0
1,1'-Biphenyl, 2,...	20.93	5.7	ng/ul	1291390	5	21.19	4573430	20.0
1,1'-Biphenyl, 2,...	20.99	2.5	ng/ul	581650	5	21.19	4573430	20.0