LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM061419\
Data File : BM020965.D
Acq On : 15 Jun 2019 05:02
Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

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-BM061419MA.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	3.046	8	10	20	rVB2	146789	176100	0.57%	0.053%
2	3.210	35	38	46	rVB	476339	493964	1.59%	0.149%
3	3.546	92	95	101	rVB2	31647	40024	0.13%	0.012%
4	7.792	808	817	825	rBV	1000908	1568236	5.04%	0.473%
5	10.580	1279	1291	1307	rBV	1361218	2284855	7.34%	0.689%
6	14.433	1938	1946	1954	rBV2	2279976	3492223	11.22%	1.053%
7	14.557	1963	1967	1972	rVB	41443	58419	0.19%	0.018%
8	15.686	2153	2159	2170	rVB	1668493	2234169	7.18%	0.673%
9	16.127	2229	2234	2244	rBV2	116136	175817	0.57%	0.053%
10	16.292	2257	2262	2269	rBV	357753	470861	1.51%	0.142%
11	16.409	2274	2282	2289	rBV	1033630	1360721	4.37%	0.410%
12	16.474	2289	2293	2297	rVB2	24139	31888	0.10%	0.010%
13	16.709	2326	2333	2339	rBV	1765323	2417923	7.77%	0.729%
14	16.956	2372	2375	2385	rVV6	21603	54098	0.17%	0.016%
15	17.056	2385	2392	2395	rVV	8166440	10878806	34.96%	3.279%
16	17.092	2395	2398	2404	rVB	4121682	5210875	16.75%	1.571%
17	17.180	2404	2413	2426	rBV2	3463468	8024054	25.79%	2.418%
18	17.351	2435	2442	2449	rBV2	6316124	9757210	31.36%	2.941%
19	17.462	2456	2461	2468	rBV2	60913	94196	0.30%	0.028%
20	17.556	2470	2477	2483	rBV3	56502	106498	0.34%	0.032%
21	17.627	2483	2489	2492	rBV	1731569	2357458	7.58%	0.711%
22	17.656	2492	2494	2500	rVB	871198	1030712	3.31%	0.311%
23	17.715	2500	2504	2507	rBV2	51328	67208	0.22%	0.020%
24	17.780	2507	2515	2522	rVV	16249718	31114018	100.00%	9.378%
25	17.892	2528	2534	2542	rVB2	3912291	6949159	22.33%	2.094%
26	17.968	2542	2547	2552	rBV	956980	1291230	4.15%	0.389%
27	18.027	2552	2557	2562	rVV	5033635	6384353	20.52%	1.924%
28	18.080	2562	2566	2574	rVB	3147948	3981689	12.80%	1.200%
29	18.192	2579	2585	2589	rBV	1226452	1734914	5.58%	0.523%
30	18.251	2589	2595	2601	rVV	14767795	21259081	68.33%	6.407%
31	18.309	2601	2605	2609	rVV	10741903	14184932	45.59%	4.275%
32	18.351	2609	2612	2618	rVB	8151042	9859502	31.69%	2.972%
33	18.533	2636	2643	2648	rBV	14017854	19846785	63.79%	5.982%
34	18.580	2648	2651	2656	rVV	4736509	5862690	18.84%	1.767%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

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-BM061419MA.M
Title : SVOA CALIBRATION

35	18.633	2656	2660	2663	rVV	2945120	3788198	12.18%	1.142%
36	18.674	2663	2667	2669	rVV	4595563	5802882	18.65%	1.749%
37	18.709	2669	2673	2679	rVB	9849248	12052933	38.74%	3.633%
38	18.774	2679	2684	2685	rBV	208265	256130	0.82%	0.077%
39	18.809	2685	2690	2695	rVB	2907904	3731501	11.99%	1.125%
40	18.880	2695	2702	2710	rBV	441174	617709	1.99%	0.186%
41	18.956	2710	2715	2719	rBV	729503	960663	3.09%	0.290%
42	19.015	2719	2725	2729	rBV	7918323	10279598	33.04%	3.098%
43	19.068	2729	2734	2737	rVV	10667995	16009232	51.45%	4.825%
44	19.109	2737	2741	2746	rVV2	15583848	22210025	71.38%	6.694%
45	19.180	2748	2753	2757	rBV	1347487	1635759	5.26%	0.493%
46	19.239	2757	2763	2768	rVB2	258431	559140	1.80%	0.169%
47	19.321	2768	2777	2783	rBV	7247543	15805263	50.80%	4.764%
48	19.374	2783	2786	2793	rVV	7345574	9232287	29.67%	2.783%
49	19.439	2793	2797	2802	rVB	3190381	3844919	12.36%	1.159%
50	19.503	2804	2808	2814	rBV2	154825	223499	0.72%	0.067%
51	19.568	2814	2819	2822	rBV2	507441	655112	2.11%	0.197%
52	19.603	2822	2825	2826	rBV	50171	49160	0.16%	0.015%
53	19.633	2826	2830	2836	rVB	2305858	3023825	9.72%	0.911%
54	19.715	2836	2844	2848	rBV	2933993	3787759	12.17%	1.142%
55	19.762	2848	2852	2856	rVV	1677608	1941452	6.24%	0.585%
56	19.821	2856	2862	2866	rVV	6198232	7506175	24.12%	2.262%
57	19.868	2866	2870	2875	rVB	1293798	1489335	4.79%	0.449%
58	19.968	2878	2887	2895	rBV2	1323827	2271044	7.30%	0.684%
59	20.033	2895	2898	2901	rBV	190710	198502	0.64%	0.060%
60	20.080	2901	2906	2911	rBV2	1262065	1877177	6.03%	0.566%
61	20.133	2911	2915	2922	rVB	4909987	5752599	18.49%	1.734%
62	20.209	2925	2928	2932	rVB3	99340	115481	0.37%	0.035%
63	20.274	2934	2939	2946	rVB3	350946	671779	2.16%	0.202%
64	20.356	2949	2953	2958	rBV	1120524	1316047	4.23%	0.397%
65	20.415	2958	2963	2964	rBV	546124	641688	2.06%	0.193%
66	20.439	2964	2967	2971	rVV	2874888	3496968	11.24%	1.054%
67	20.468	2971	2972	2976	rVB	567555	388694	1.25%	0.117%
68	20.515	2976	2980	2987	rBV3	289535	450561	1.45%	0.136%
69	20.603	2988	2995	2999	rBV3	209745	394974	1.27%	0.119%
70	20.674	2999	3007	3014	rBV	1163194	2022606	6.50%	0.610%
71	20.762	3019	3022	3026	rBV3	95092	103642	0.33%	0.031%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

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-BM061419MA.M
Title : SVOA CALIBRATION

72	20.821	3028	3032	3036	rVB	268655	316532	1.02%	0.095%
73	20.886	3040	3043	3048	rVB3	115492	147338	0.47%	0.044%
74	20.980	3055	3059	3063	rBV	351954	450061	1.45%	0.136%
75	21.062	3071	3073	3075	rBV	92110	77207	0.25%	0.023%
76	21.092	3075	3078	3082	rVB2	250616	274795	0.88%	0.083%
77	21.144	3084	3087	3092	rBV5	144051	194047	0.62%	0.058%
78	21.233	3099	3102	3106	rVB	159744	187341	0.60%	0.056%
79	21.356	3117	3123	3133	rBV	3567854	5372341	17.27%	1.619%
80	21.497	3144	3147	3151	rVB	221807	226455	0.73%	0.068%
81	21.691	3176	3180	3186	rBV2	249279	354240	1.14%	0.107%
82	21.939	3219	3222	3226	rVB	233395	255462	0.82%	0.077%
83	23.633	3504	3510	3519	rVB	1981226	3912261	12.57%	1.179%

Sum of corrected areas: 331787066

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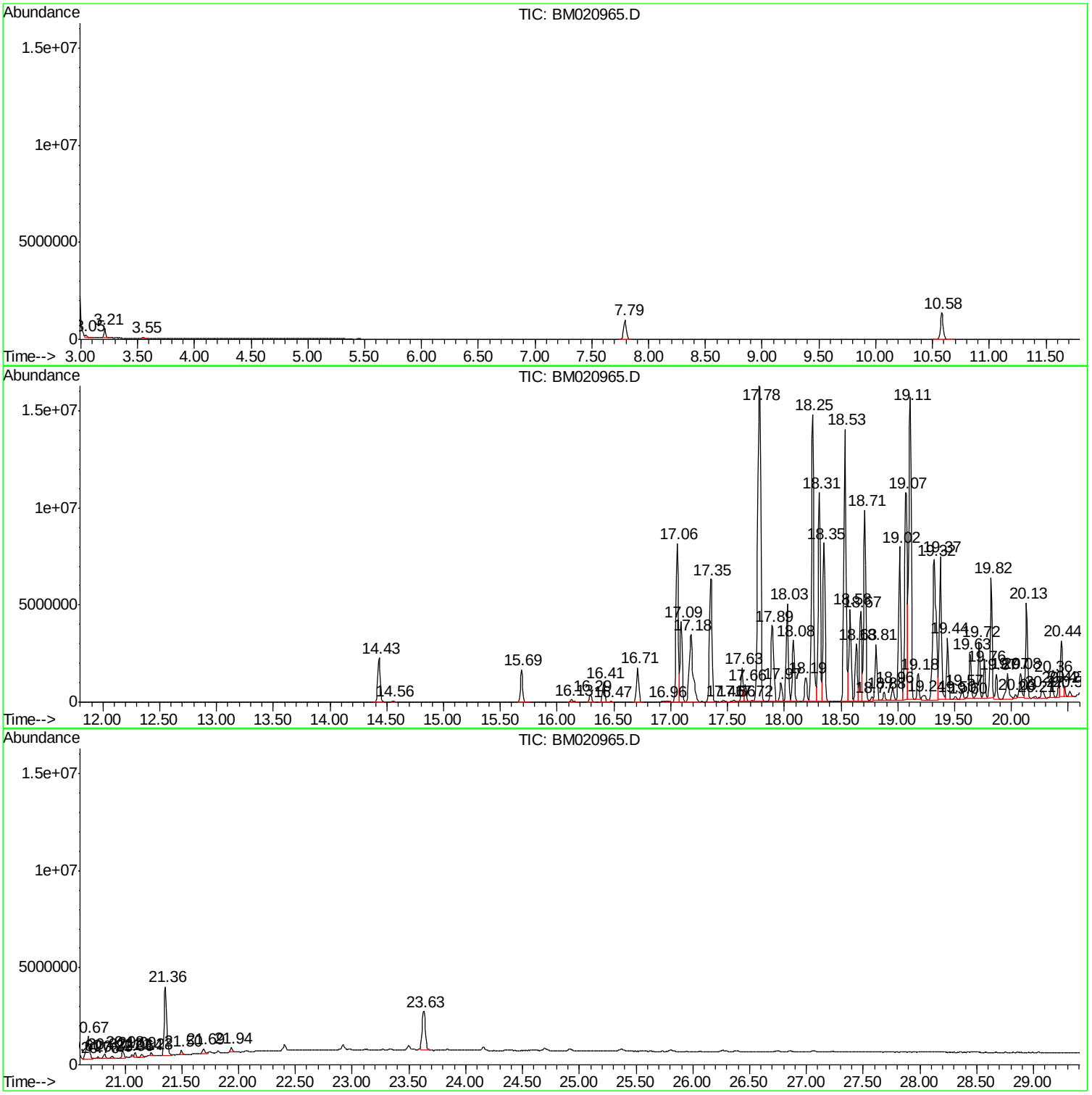
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETND1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM061419\
Data File : BM020965.D
Acq On : 15 Jun 2019 05:02
Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

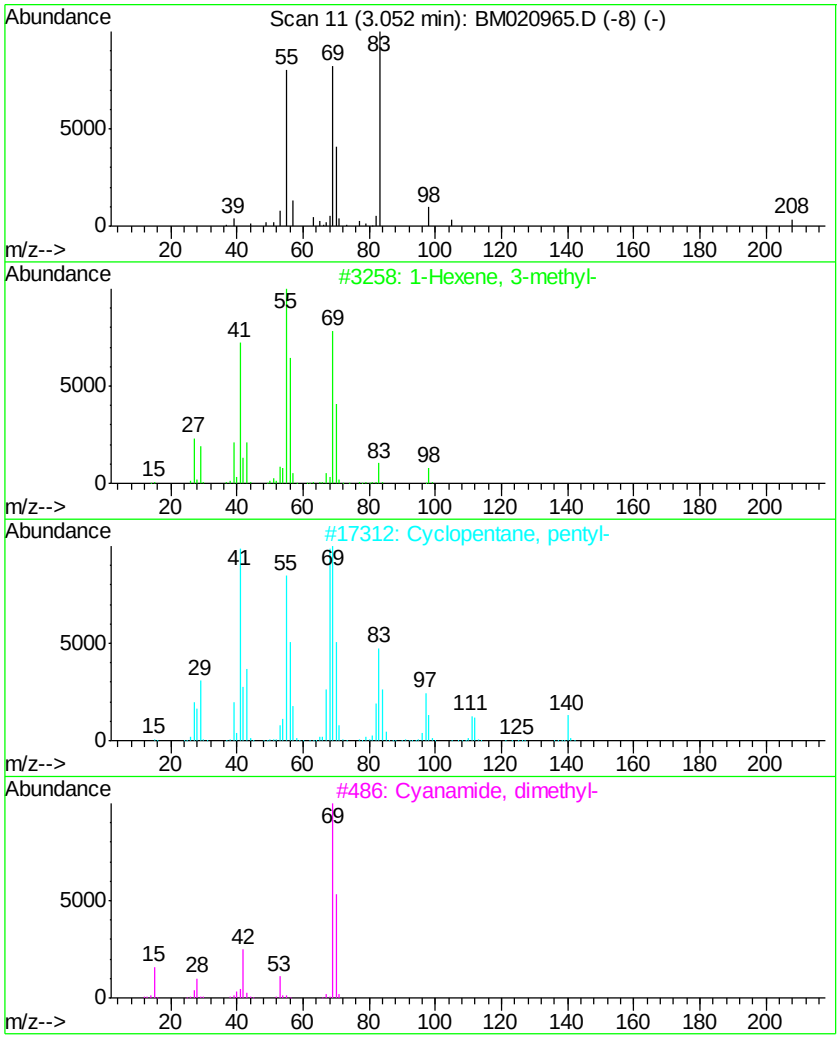
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

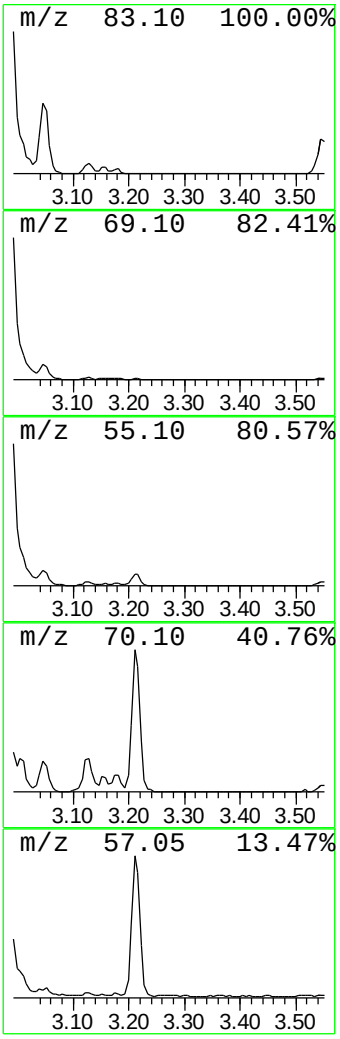
****

Peak Number 1 (DEL) Alkane: Cyclic3.05 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	2.25 ng/ul	176100	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	50
2	Cyclopentane, pentyl-	140	C10H20	003741-00-2	33
3	Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	32
4	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	25
5	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	23





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM061419\
Data File : BM020965.D
Acq On : 15 Jun 2019 05:02
Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

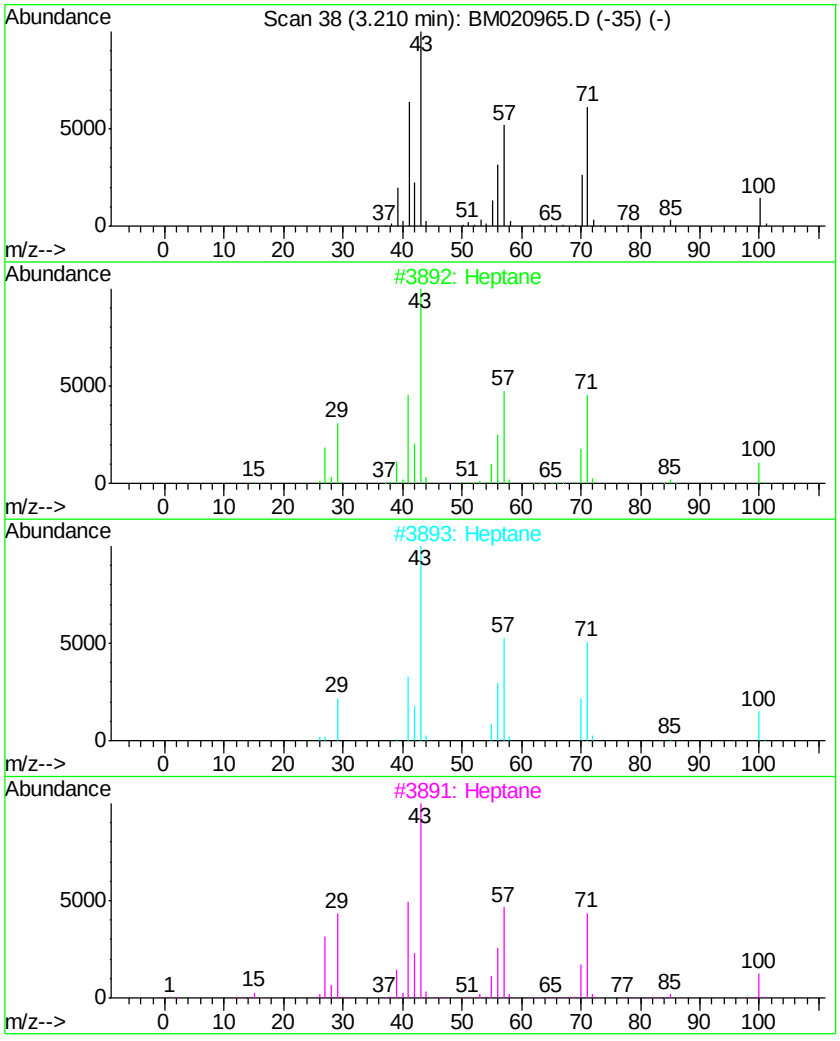
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

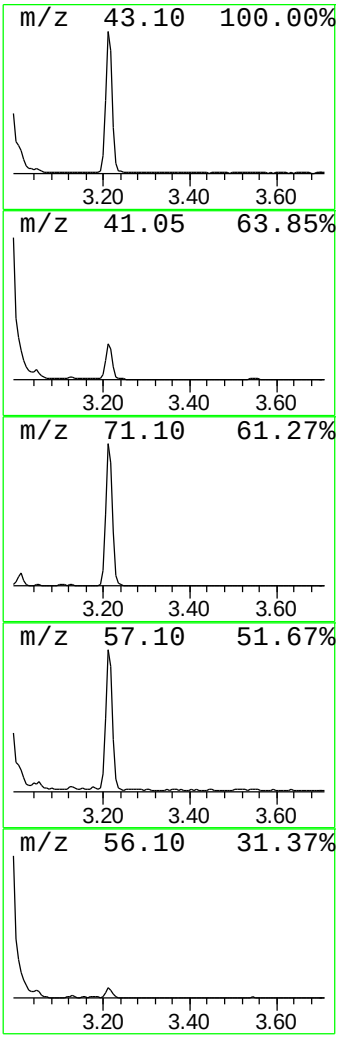
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.21	6.30 ng/ul	493964	1,4-Dichlorobenzene-d4	7.79

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	90
4	Heptane	100	C7H16	000142-82-5	86
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	50





Library Search Compound Report

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Misc :
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Instrument : BNA_M
ClientSampleId : ETND1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

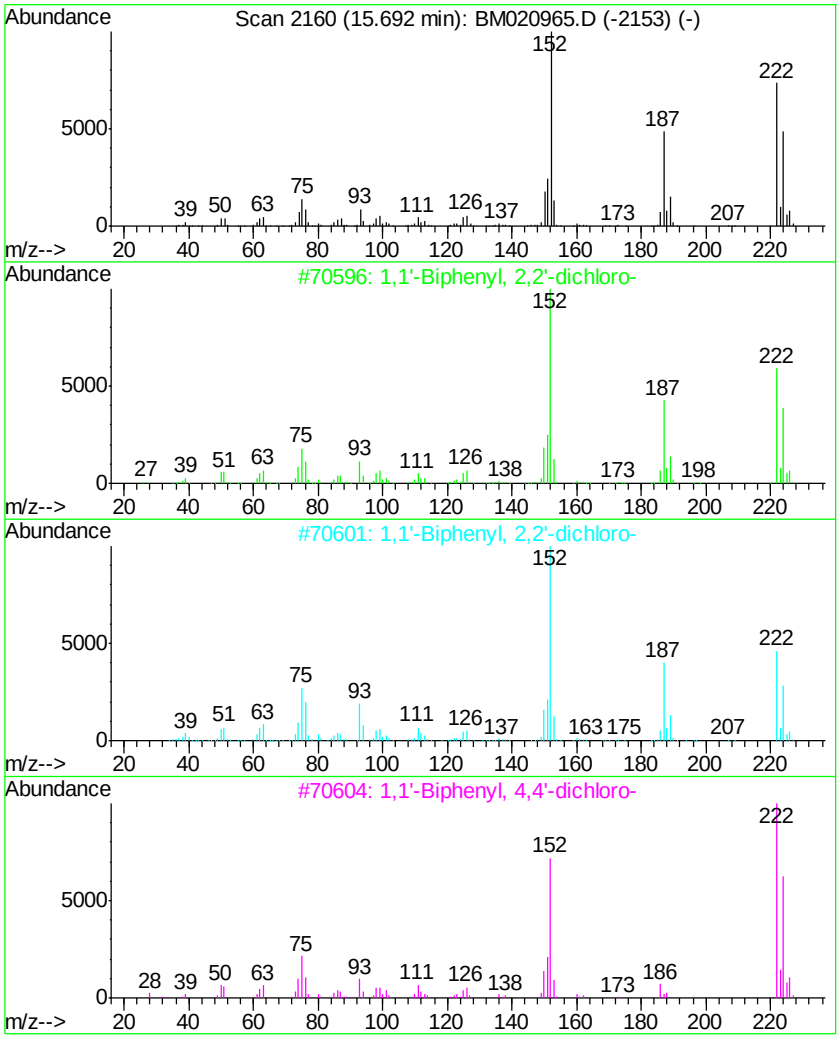
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

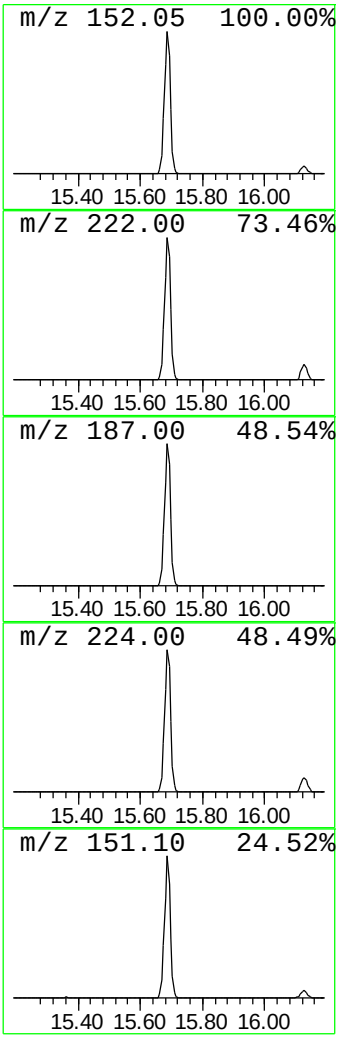
****

Peak Number 3 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	12.80 ng/ul	2234170	Acenaphthene-d10	14.43

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, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	95
4	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	95
5	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	95





Library Search Compound Report

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Misc :
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Instrument : BNA_M
ClientSampleId : ETND1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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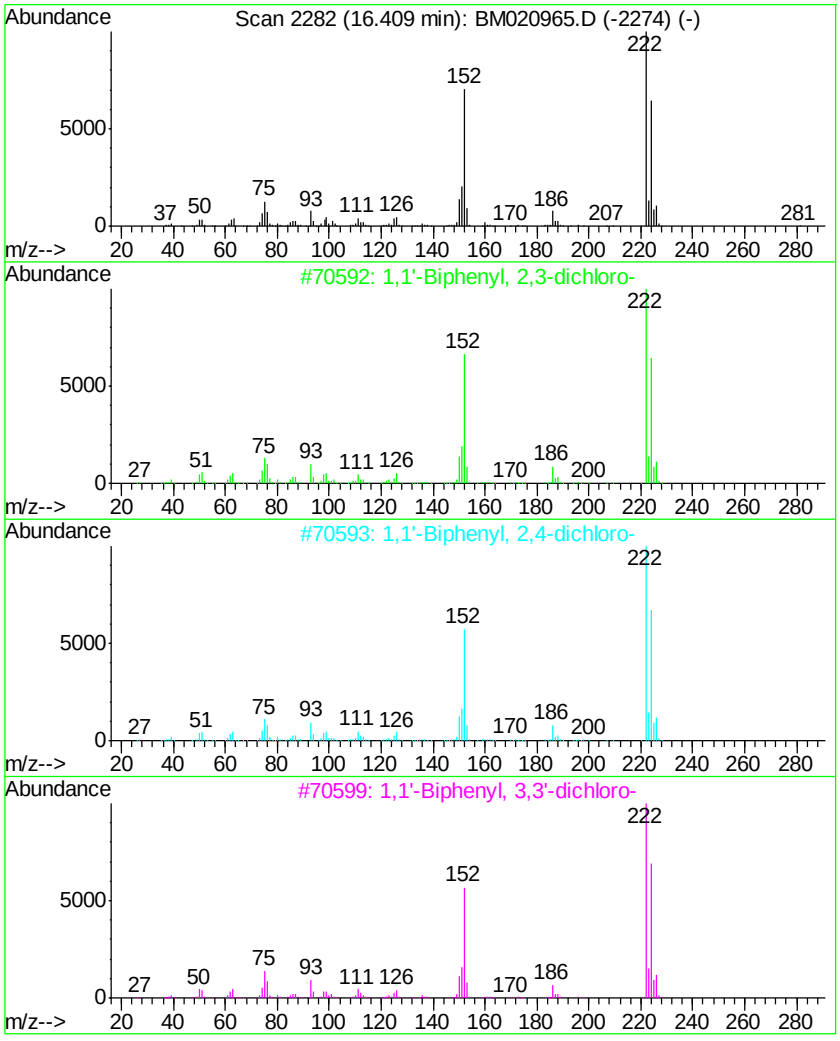
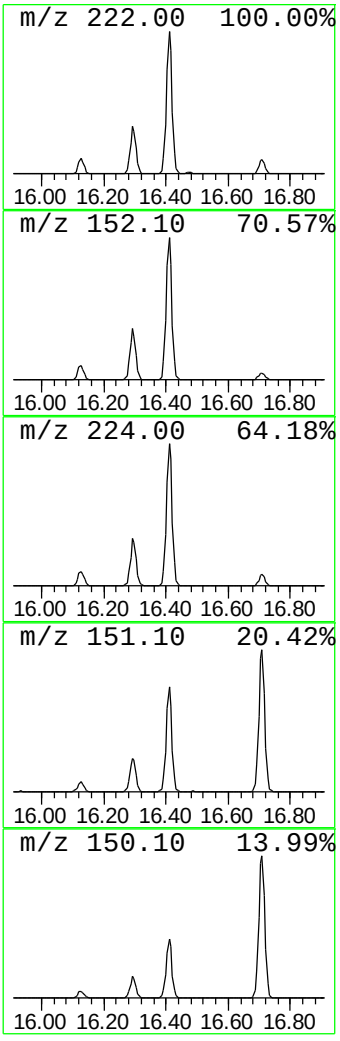
Peak Number 4 1,1'-Biphenyl, 2,3-dichloro- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	3.39 ng/ul	1360720	Phenanthrene-d10	17.18

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	99
4	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	98
5	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	97





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Data File : BM020965.D
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Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

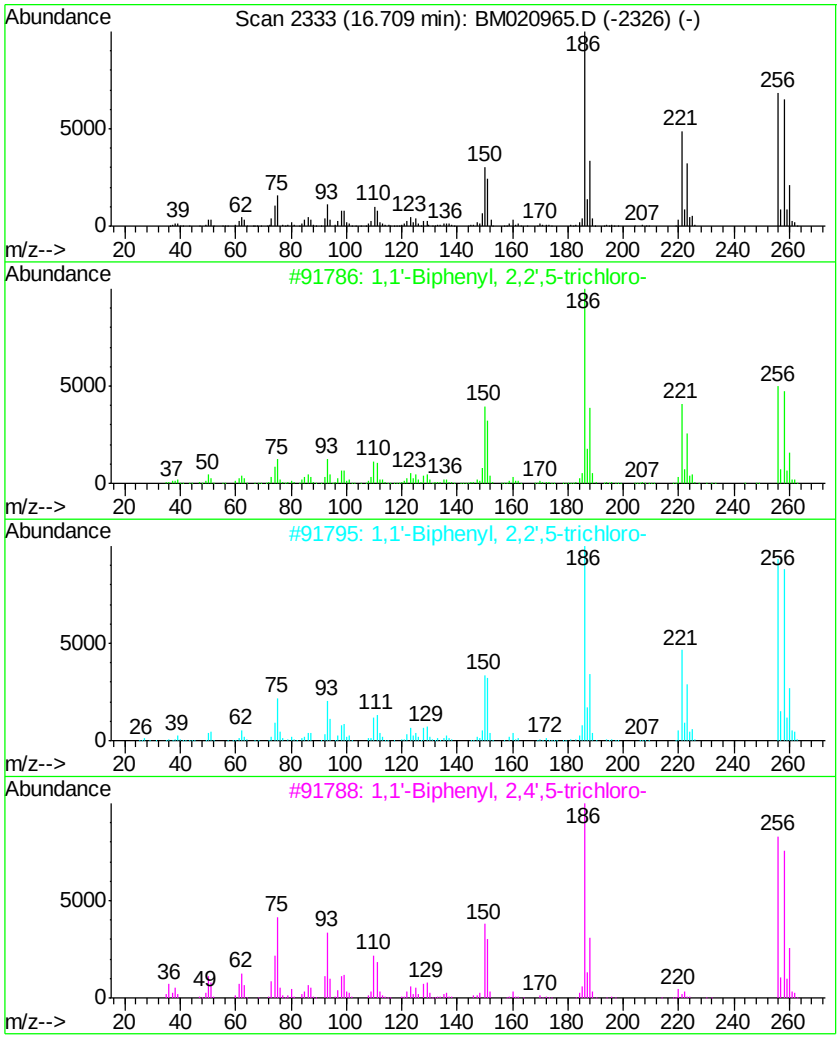
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

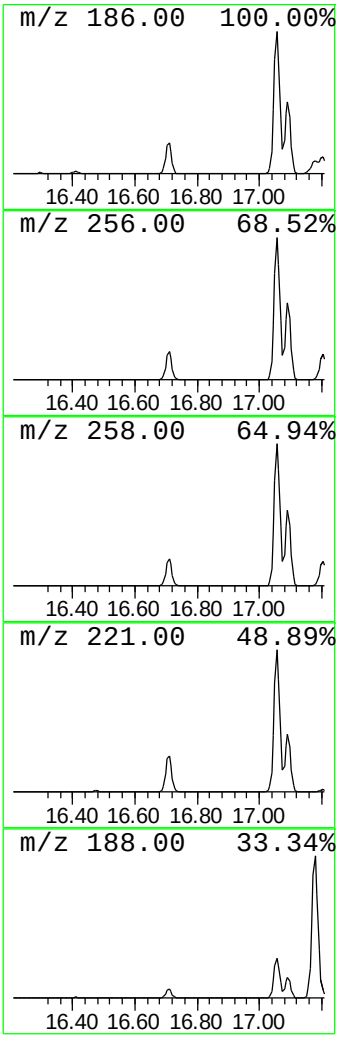
****

Peak Number 5 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.71	6.03 ng/ul	2417920	Phenanthrene-d10	17.18

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, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	98
4	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	96
5	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	95





Library Search Compound Report

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Data File : BM020965.D
Acq On : 15 Jun 2019 05:02
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ETND1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

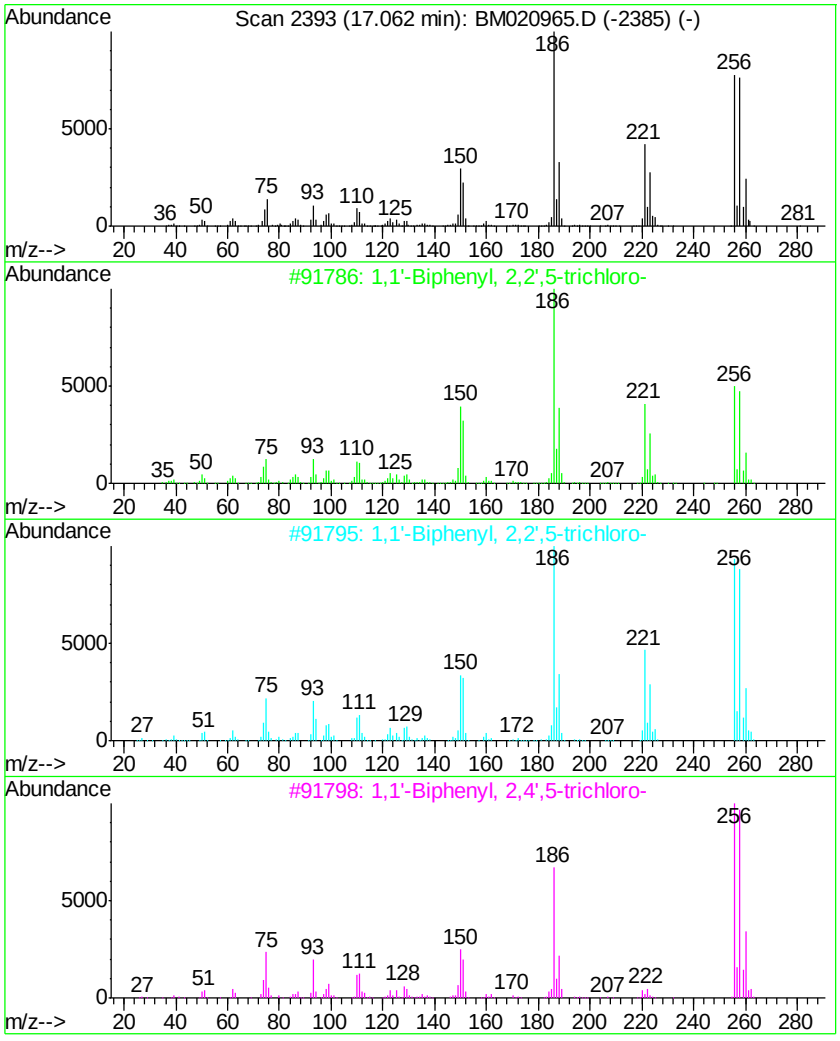
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

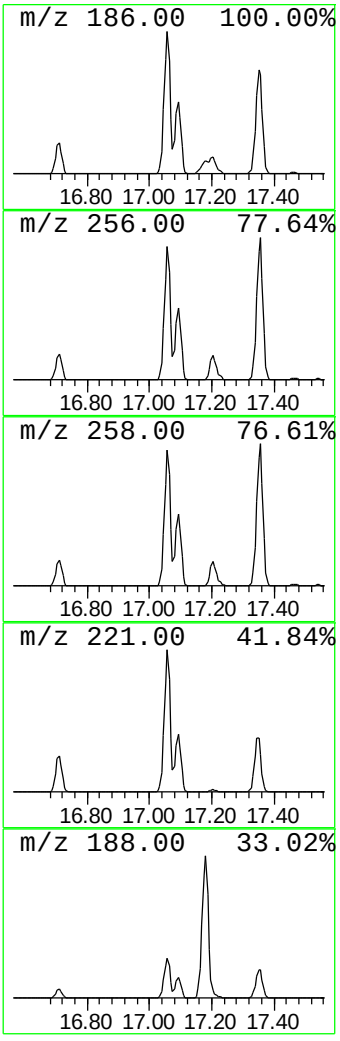
****

Peak Number 6 1,1'-Biphenyl, 2,4',5-trich... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.06	27.12 ng/ul	10878800	Phenanthrene-d10	17.18

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	97
5	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	97





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Data File : BM020965.D
Acq On : 15 Jun 2019 05:02
Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

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Quant Title : SVOA CALIBRATION

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

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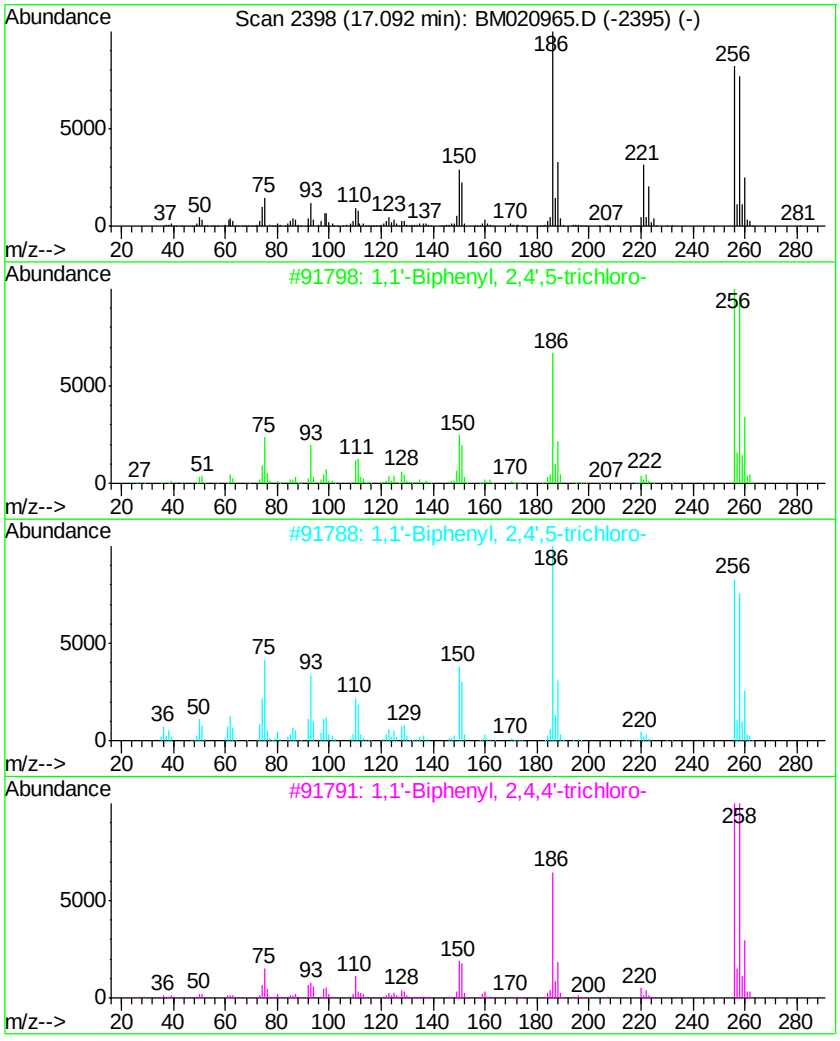
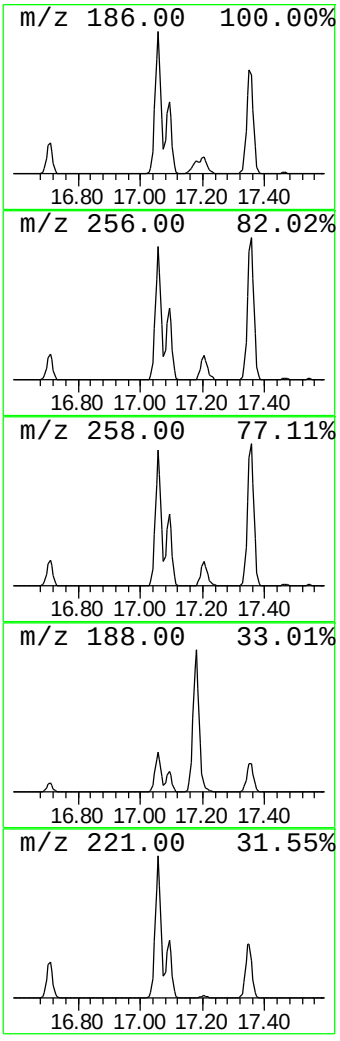
Peak Number 7 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	12.99 ng/ul	5210880	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	98
2	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	98
3	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	96
4	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	96
5	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	93





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Acq On : 15 Jun 2019 05:02
Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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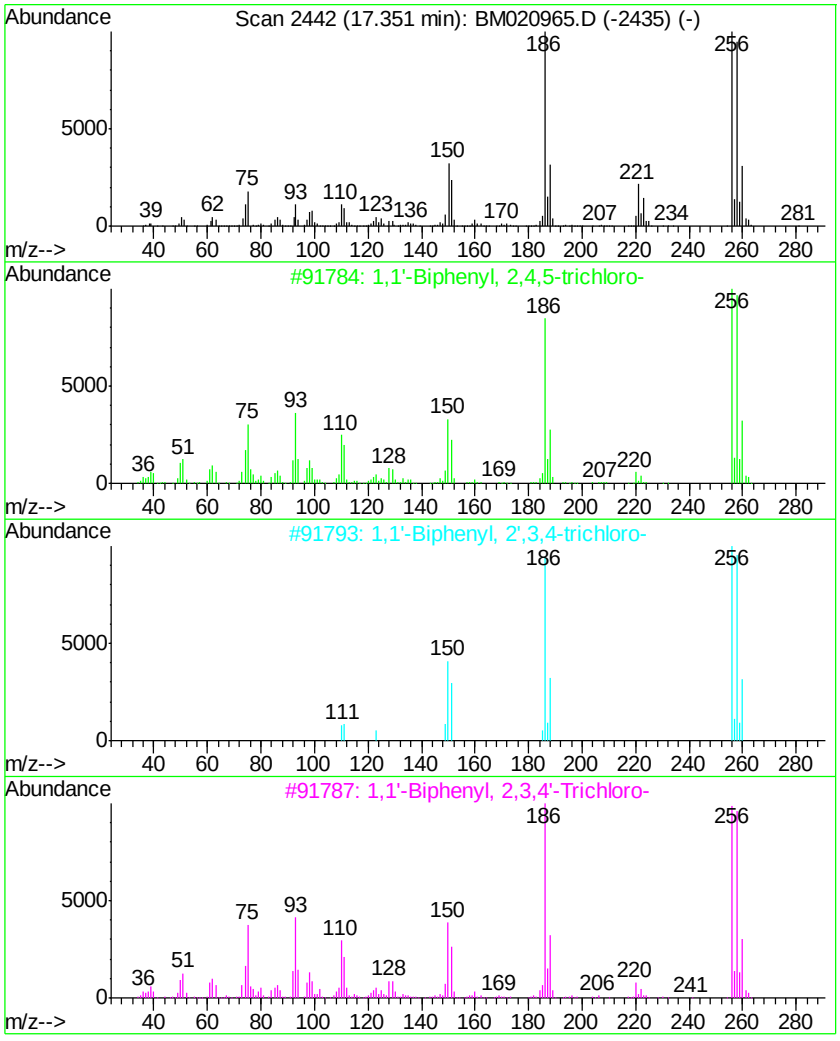
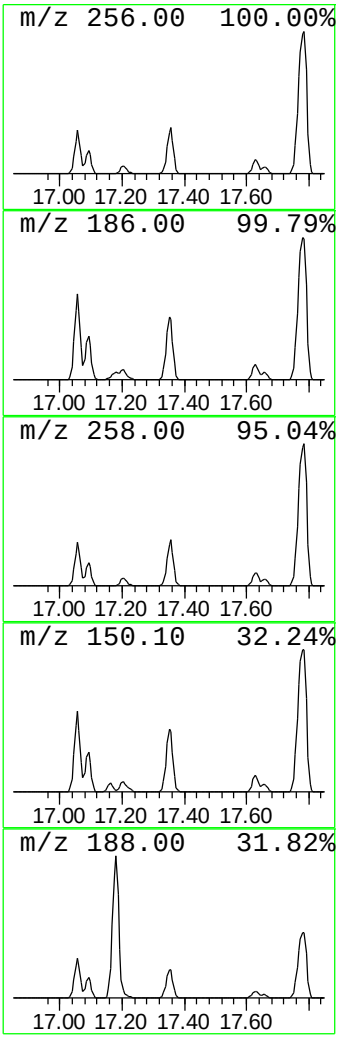
Peak Number 8 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	24.32 ng/ul	9757210	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	99
2	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98
3	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	98
4	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	97
5	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	95





Library Search Compound Report

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Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

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Quant Title : SVOA CALIBRATION

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

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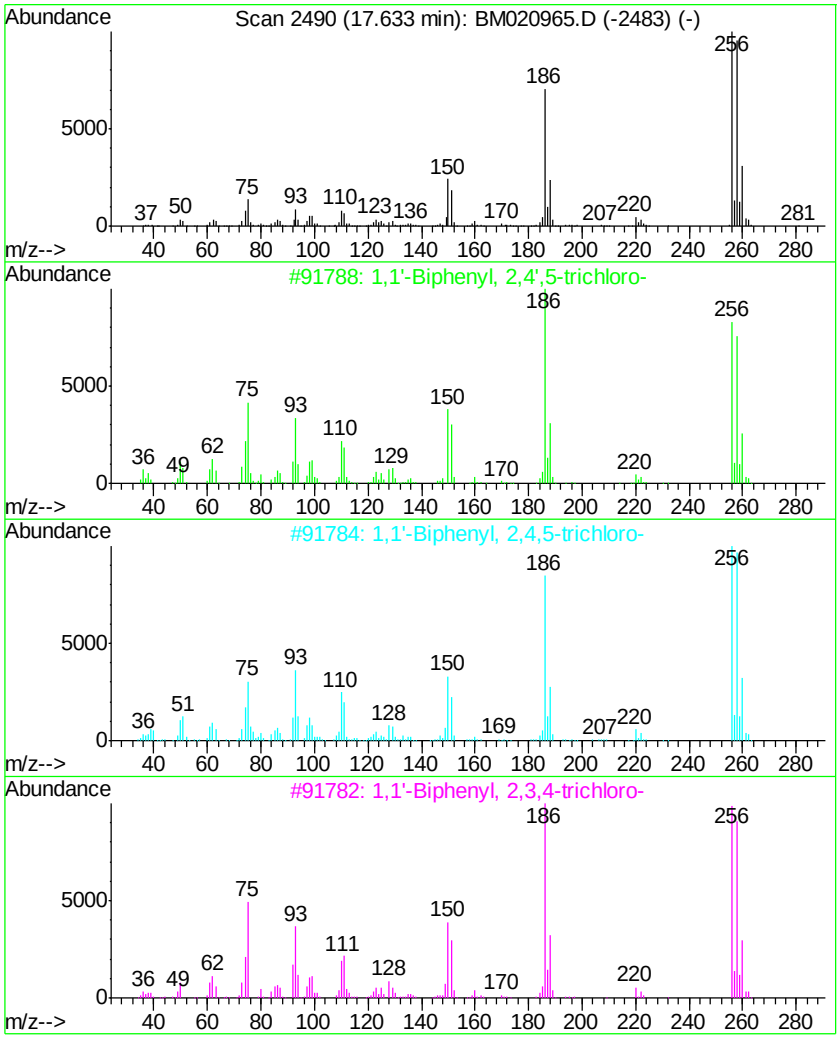
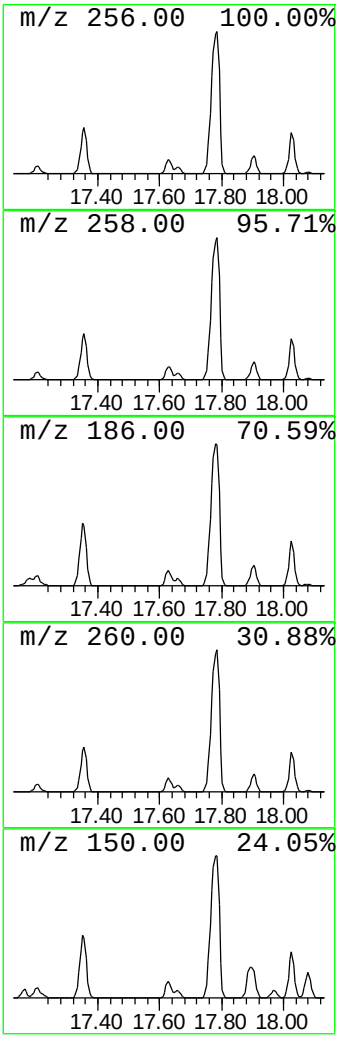
Peak Number 9 1,1'-Biphenyl, 2,3,6-trichl... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	5.88 ng/ul	2357460	Phenanthrene-d10	17.18

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	055702-46-0	98
4	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	98
5	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	98





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Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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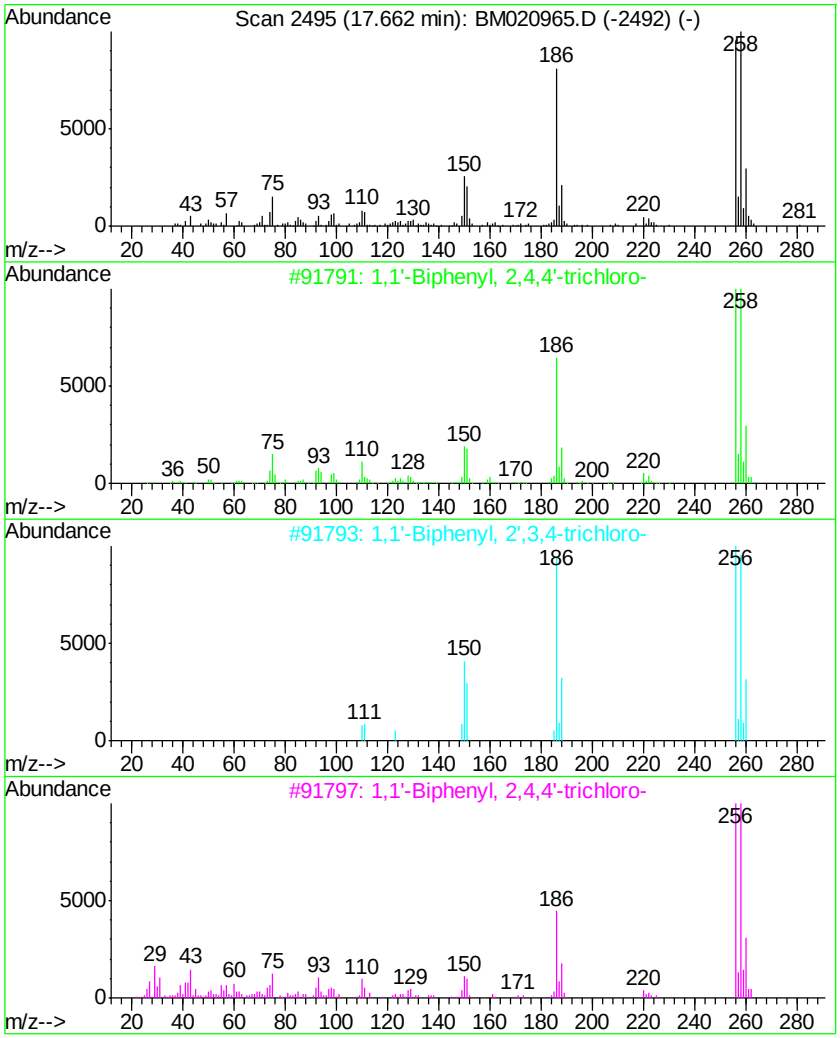
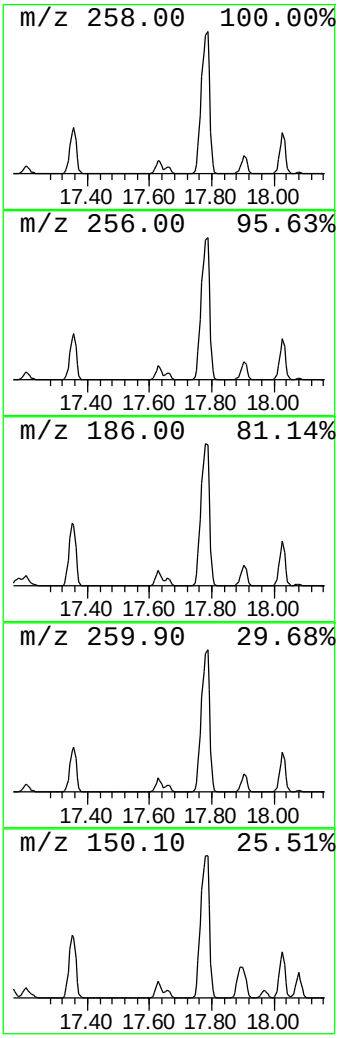
Peak Number 10 1,1'-Biphenyl, 2,4,4'-trich... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	2.57 ng/ul	1030710	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	98
2	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	97
3	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	97
4	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	96
5	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	96





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Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

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Quant Title : SVOA CALIBRATION

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

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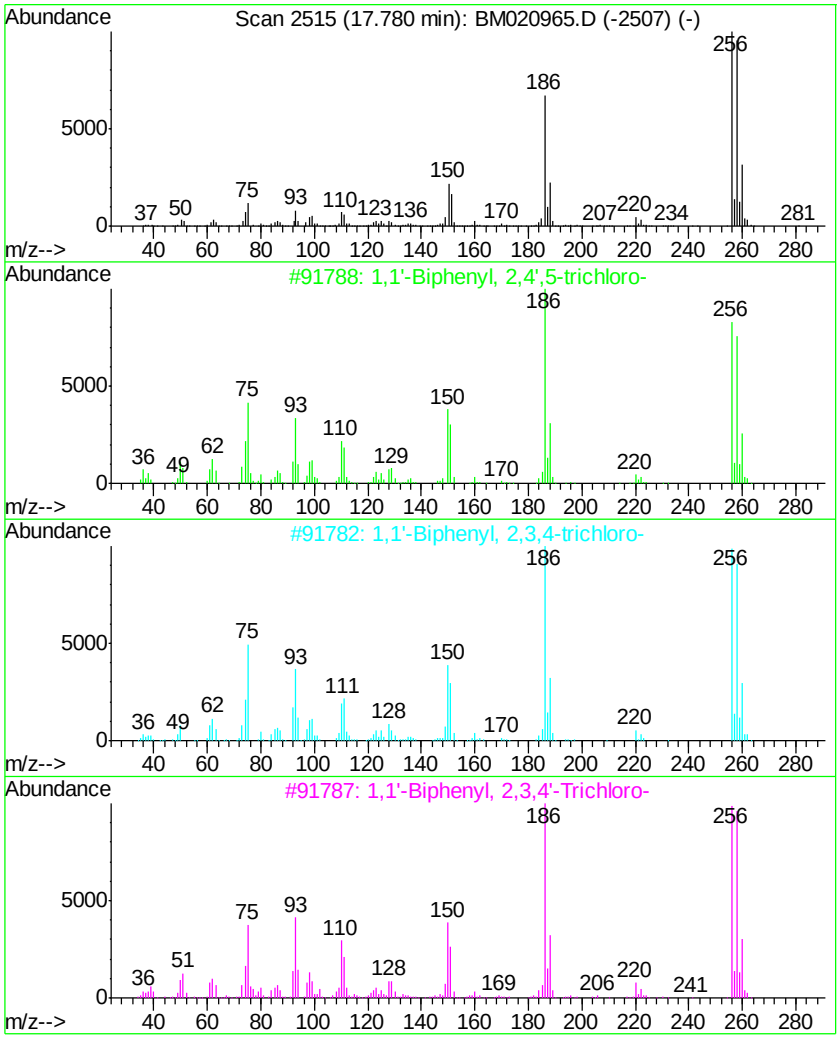
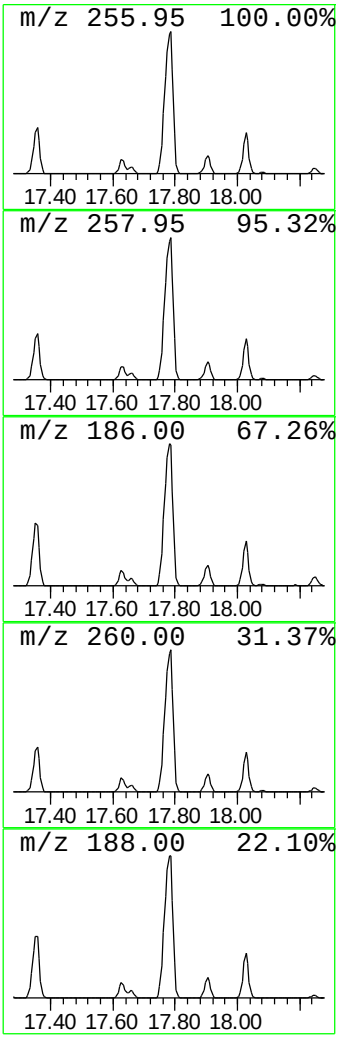
Peak Number 11 unknown-02 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.78	77.55 ng/ul	31114000	Phenanthrene-d10	17.18

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, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	98
3	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	98
4	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	98
5	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98





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Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

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Quant Title : SVOA CALIBRATION

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

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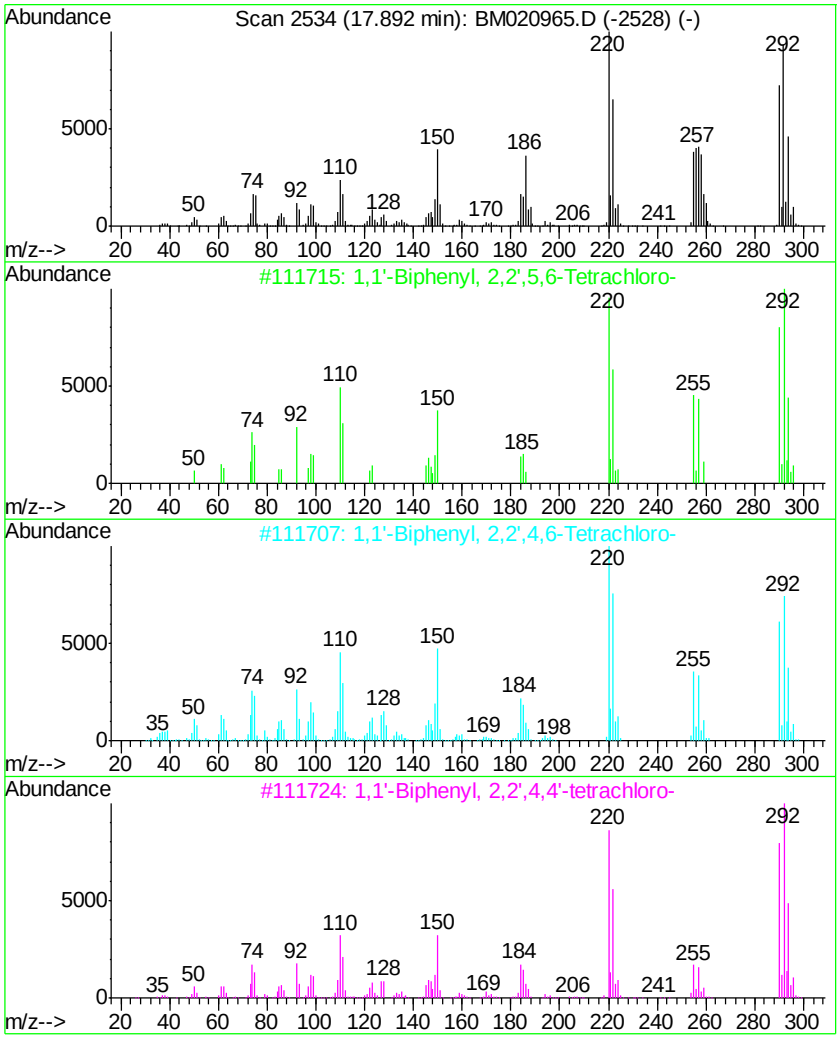
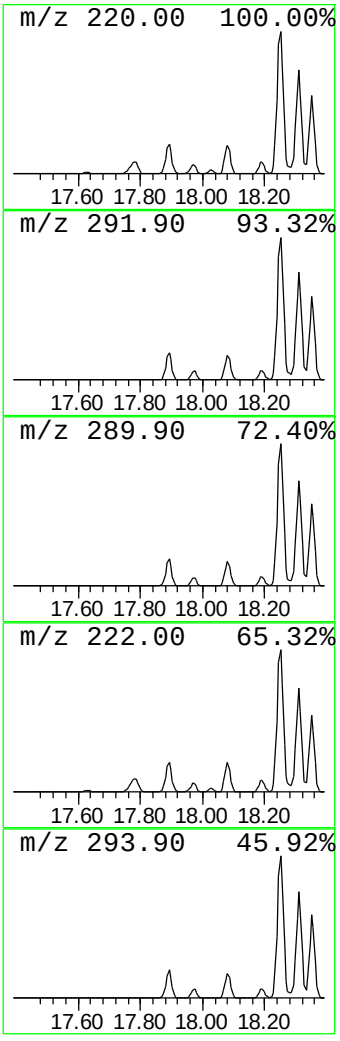
Peak Number 12 1,1'-Biphenyl, 2,2',5,6-Tet... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	17.32 ng/ul	6949160	Phenanthrene-d10	17.18

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',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
5	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99





Library Search Compound Report

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Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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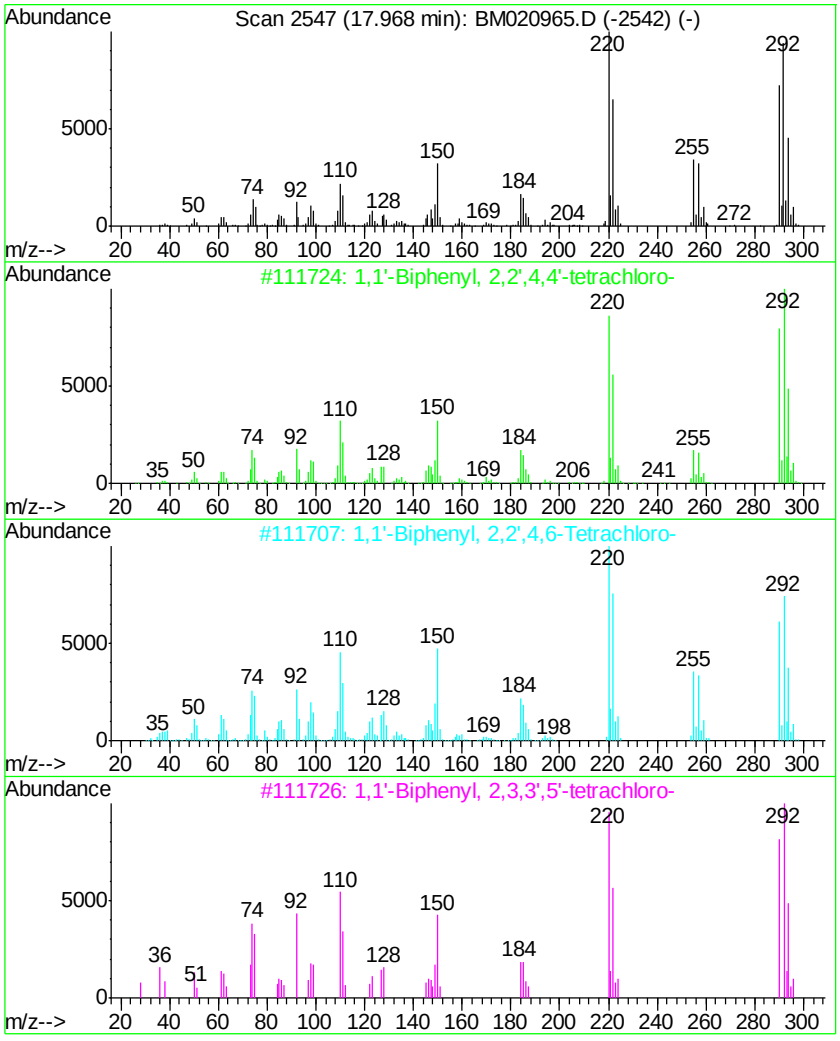
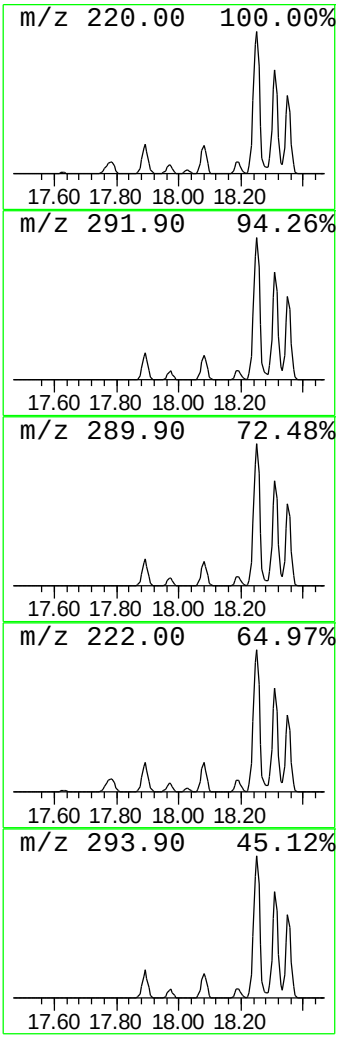
Peak Number 13 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	3.22 ng/ul	1291230	Phenanthrene-d10	17.18

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, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
3	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	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





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Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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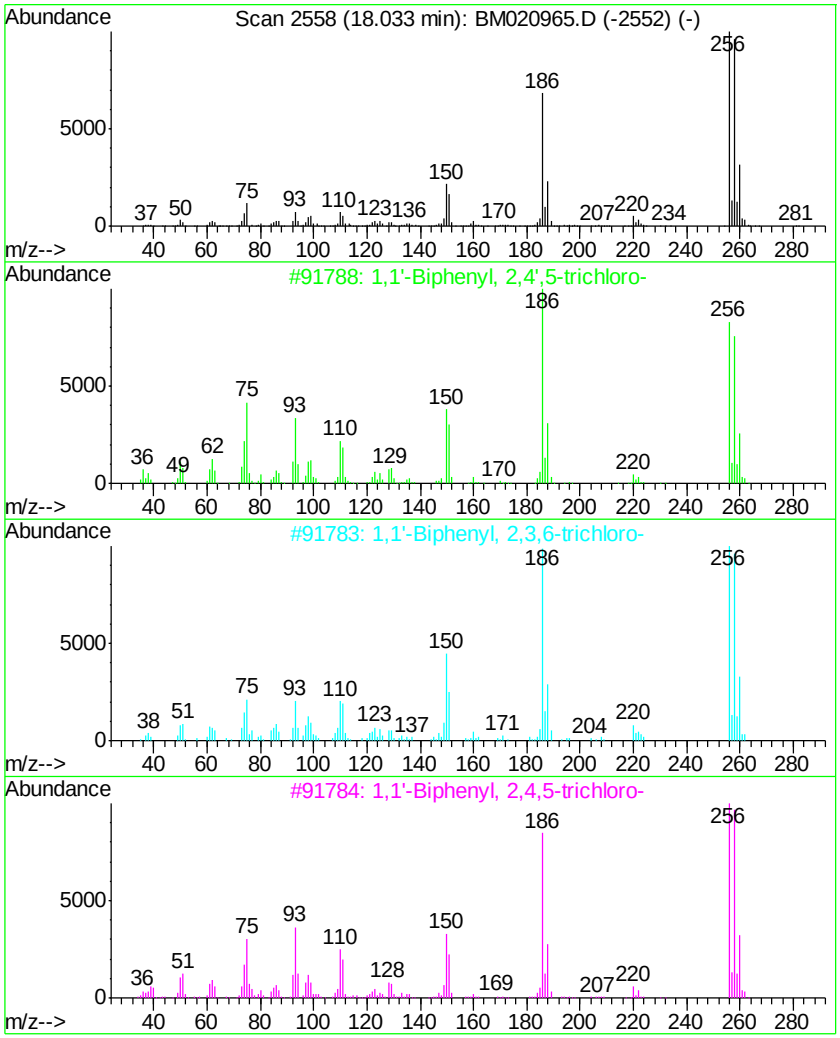
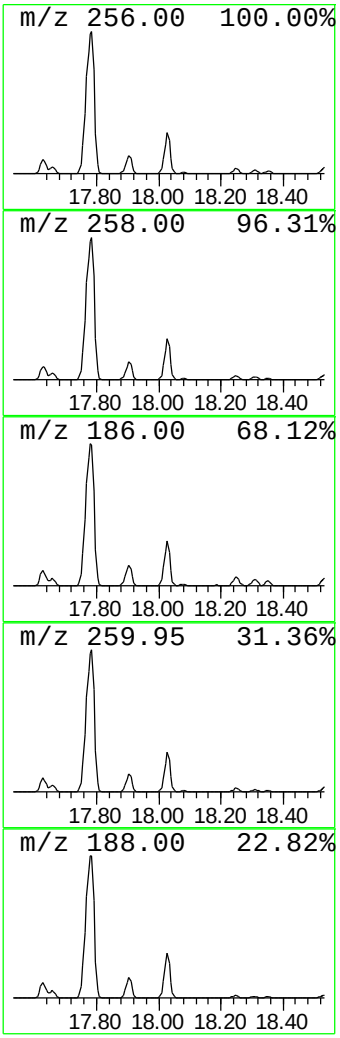
Peak Number 14 unknown-03 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	15.91 ng/ul	6384350	Phenanthrene-d10	17.18

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, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	98
3	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	98
4	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	98
5	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98





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Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

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Quant Title : SVOA CALIBRATION

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

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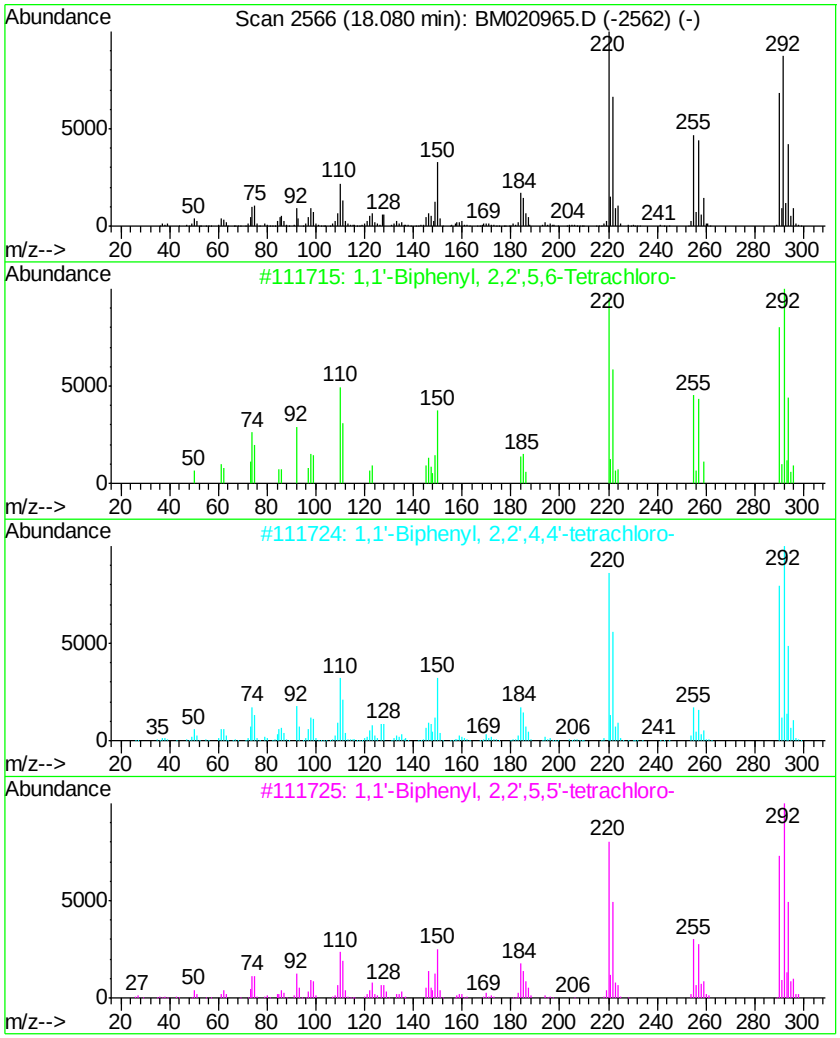
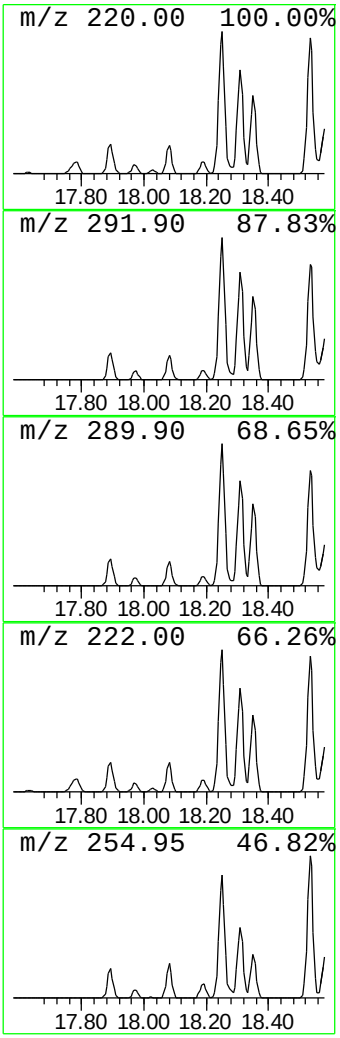
Peak Number 15 unknown-04 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	9.92 ng/ul	3981690	Phenanthrene-d10	17.18

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',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
4	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
5	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99





Library Search Compound Report

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Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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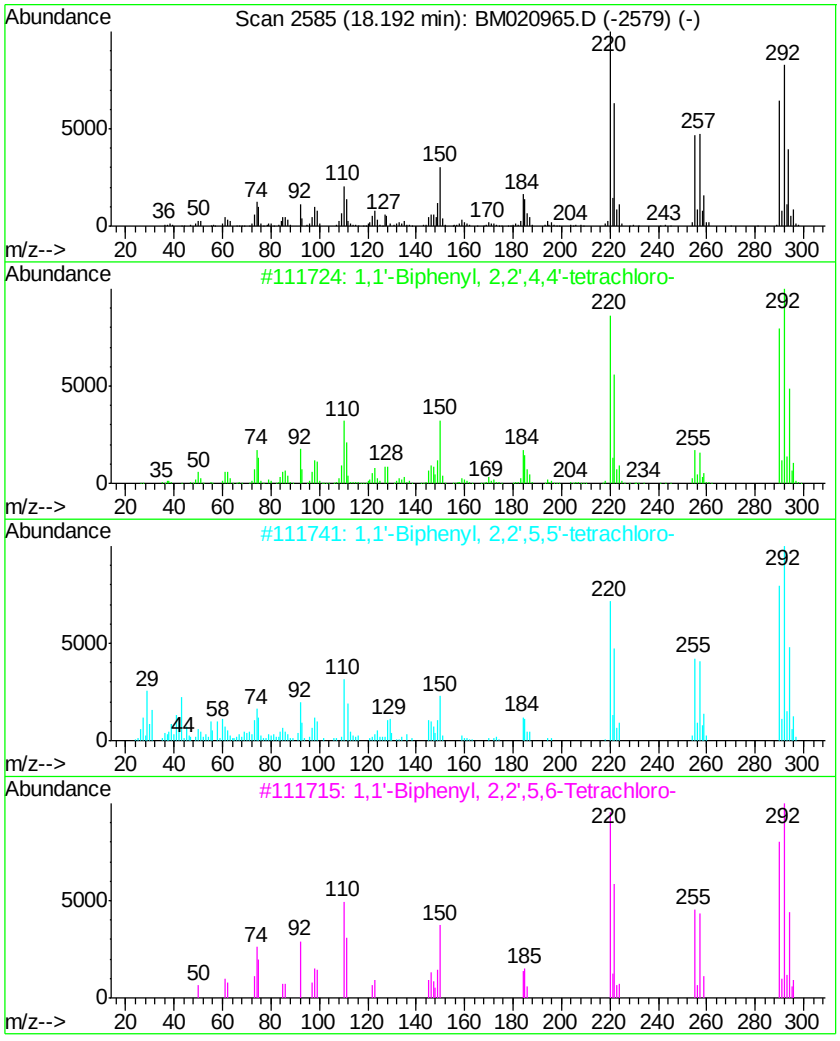
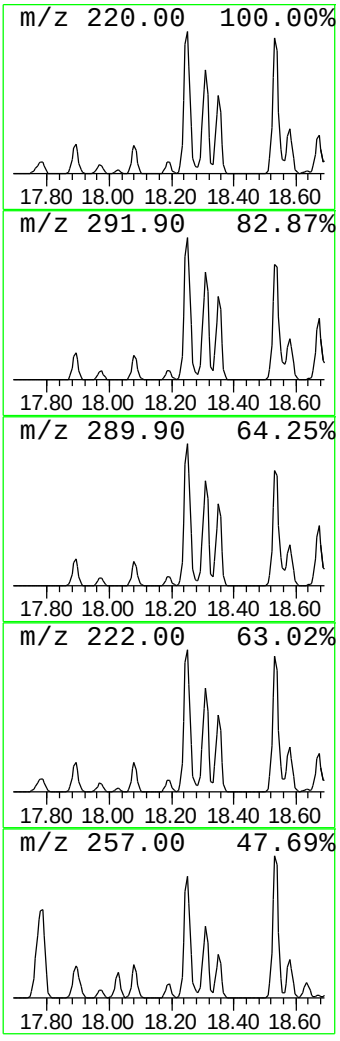
Peak Number 16 unknown-05 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	4.32 ng/ul	1734910	Phenanthrene-d10	17.18

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, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
3	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
4	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
5	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99





Library Search Compound Report

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Acq On : 15 Jun 2019 05:02
Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

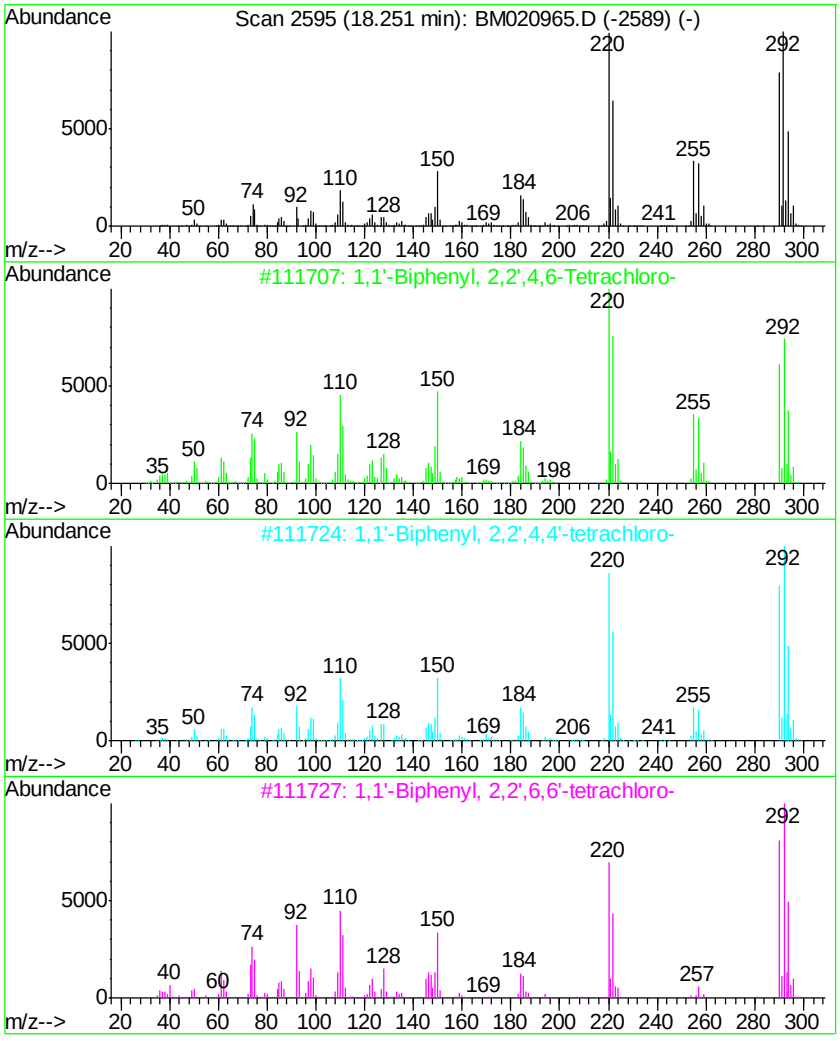
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

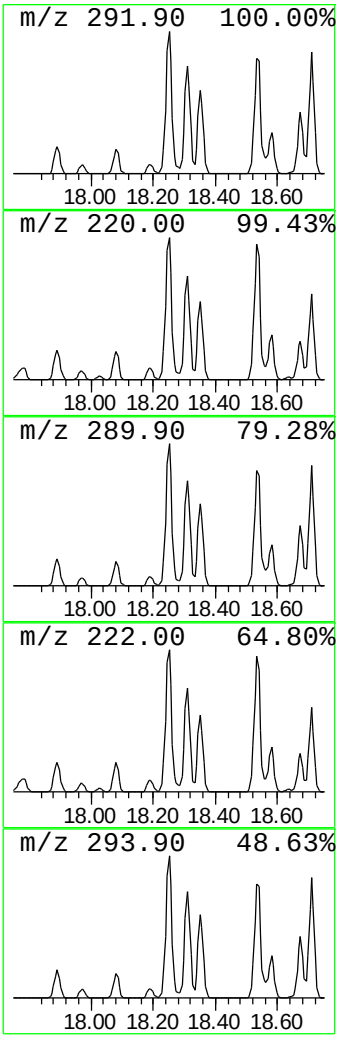
****

Peak Number 17 1,1'-Biphenyl, 2,2',4,6-Tet... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	52.99 ng/ul	21259100	Phenanthrene-d10	17.18

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',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
4	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99





Library Search Compound Report

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Data File : BM020965.D
Acq On : 15 Jun 2019 05:02
Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

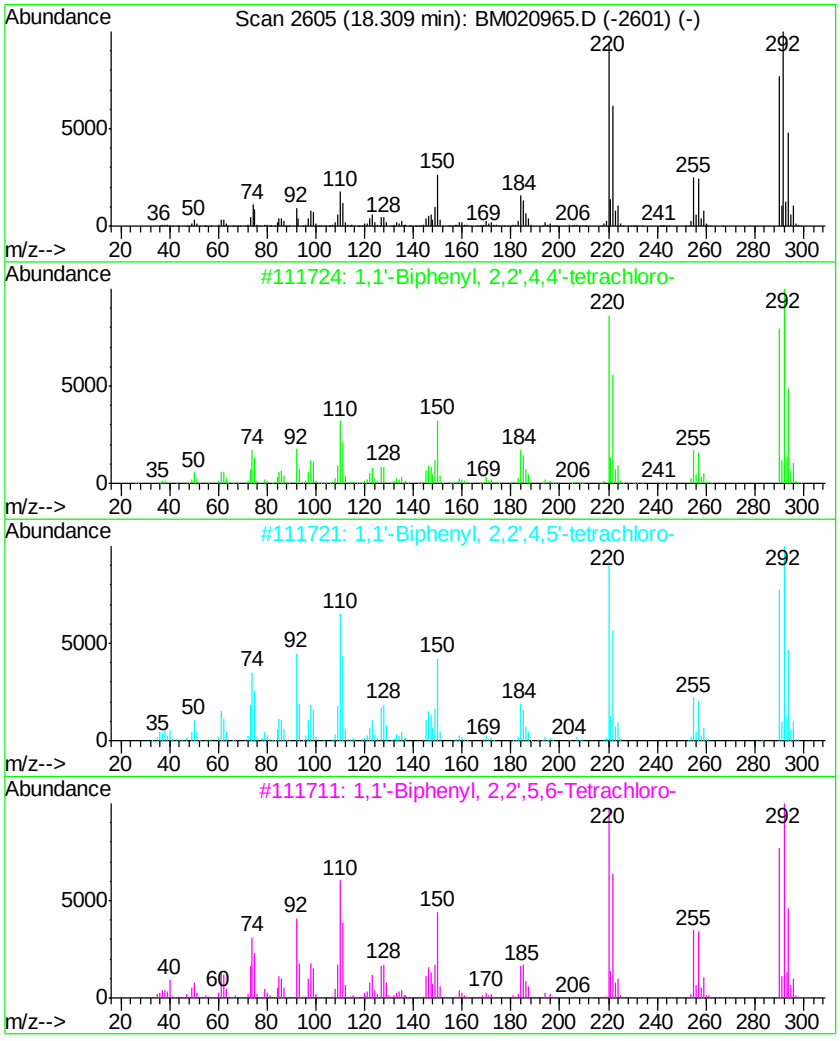
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

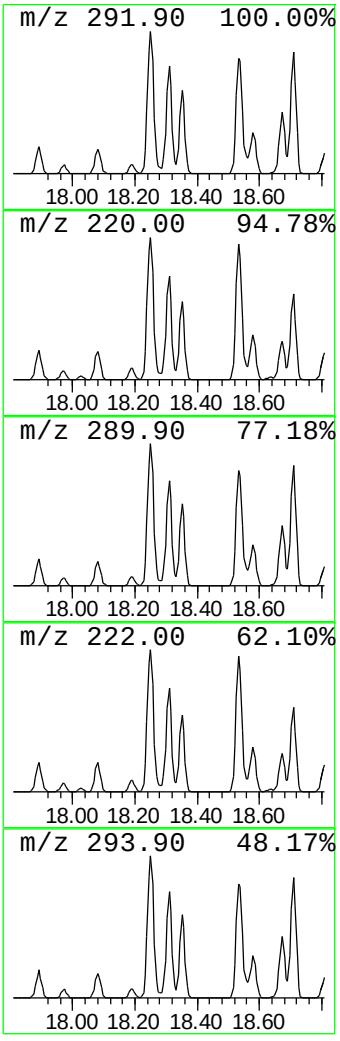
****

Peak Number 18 unknown-06 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	35.36 ng/ul	14184900	Phenanthrene-d10	17.18

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, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
3	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99





Library Search Compound Report

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Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

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Quant Title : SVOA CALIBRATION

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

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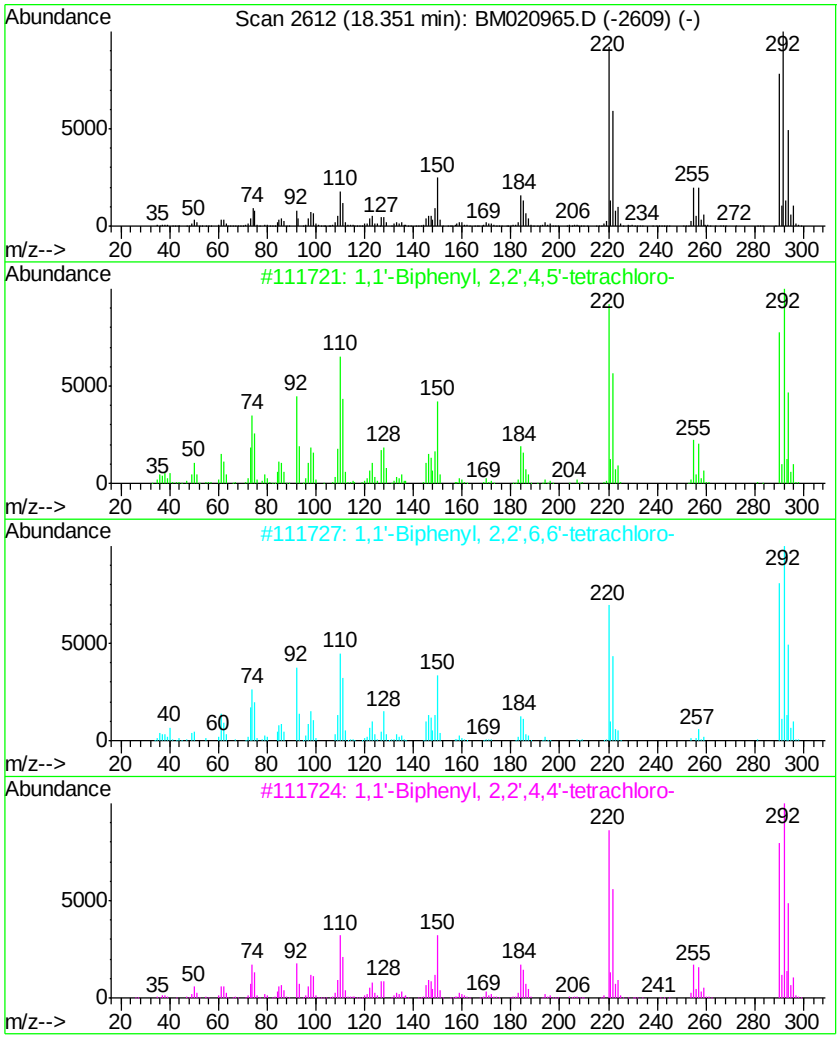
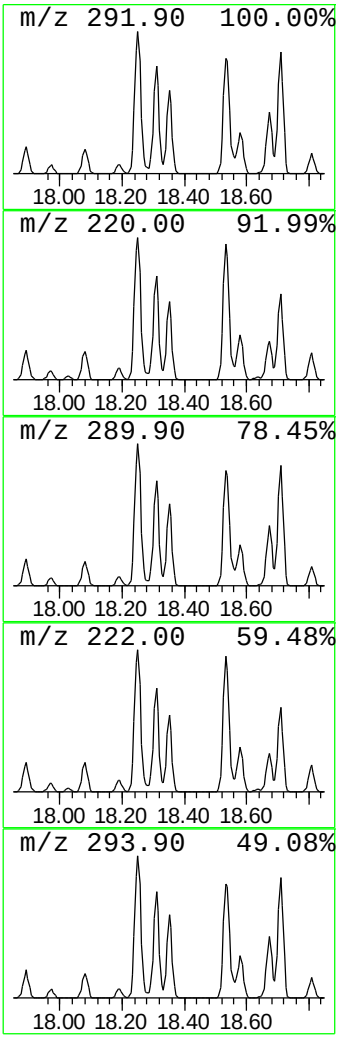
Peak Number 19 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	24.57 ng/ul	9859500	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
2	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
5	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	97





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Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

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Quant Title : SVOA CALIBRATION

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

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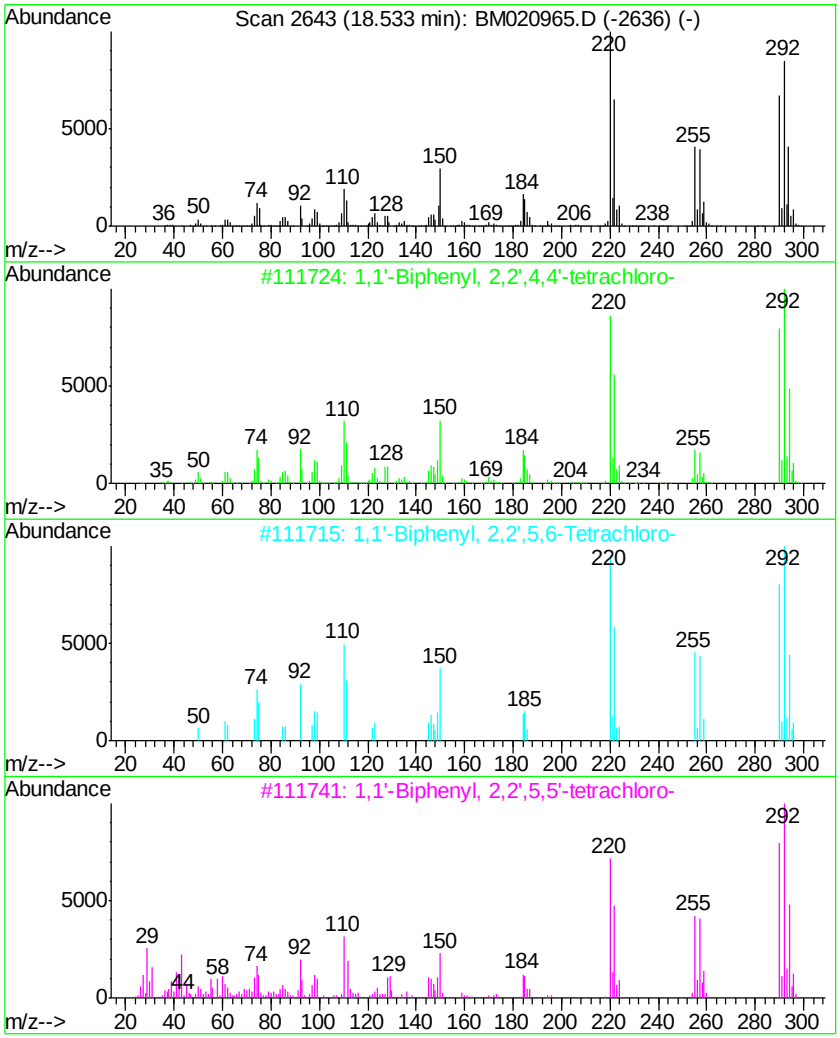
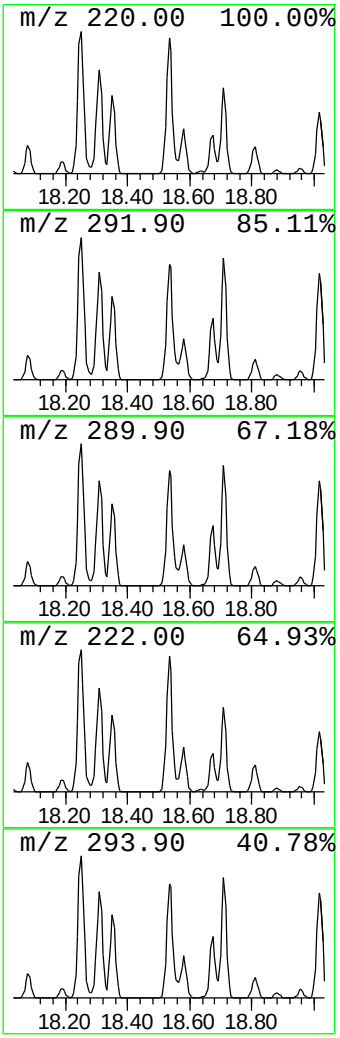
Peak Number 20 unknown-07 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	49.47 ng/ul	19846800	Phenanthrene-d10	17.18

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, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
4	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99





Library Search Compound Report

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Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

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Quant Title : SVOA CALIBRATION

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

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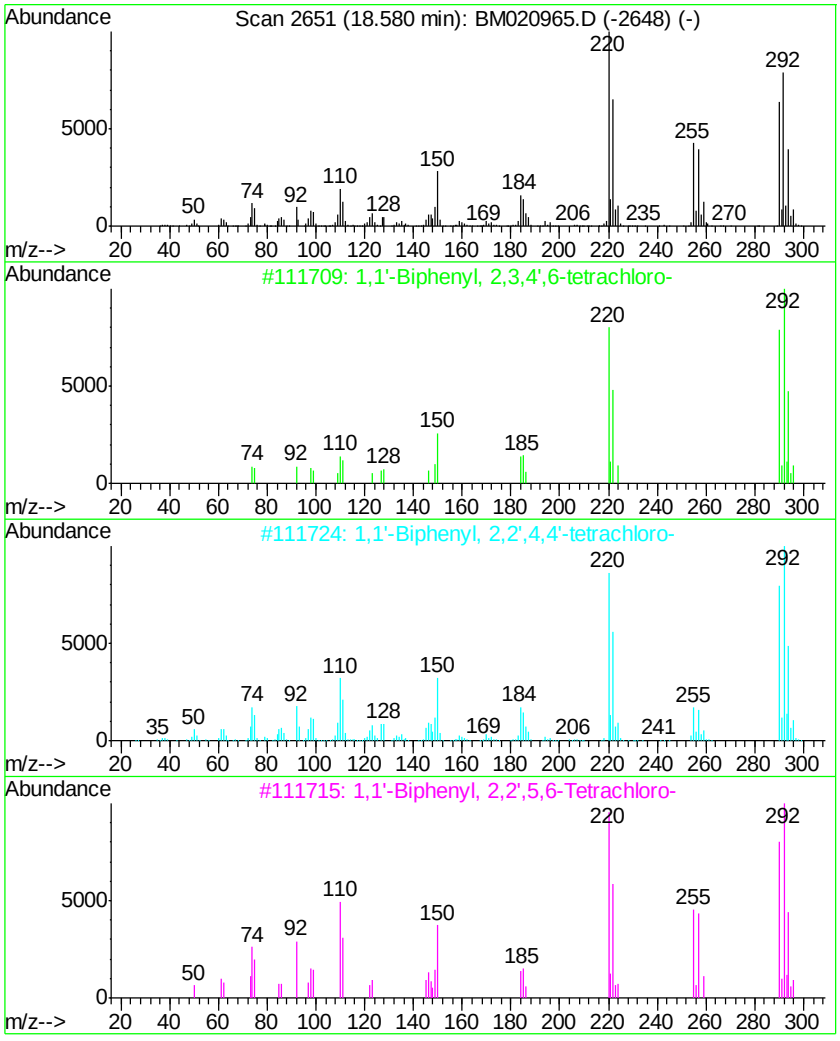
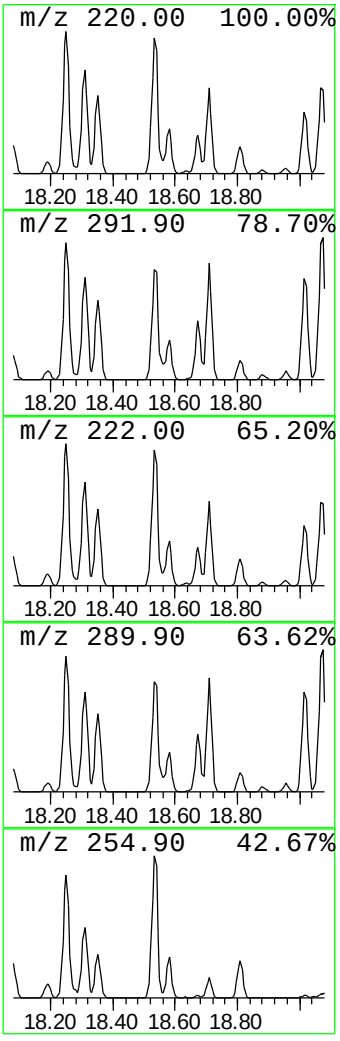
Peak Number 21 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	14.61 ng/ul	5862690	Phenanthrene-d10	17.18

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',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
4	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
5	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99





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Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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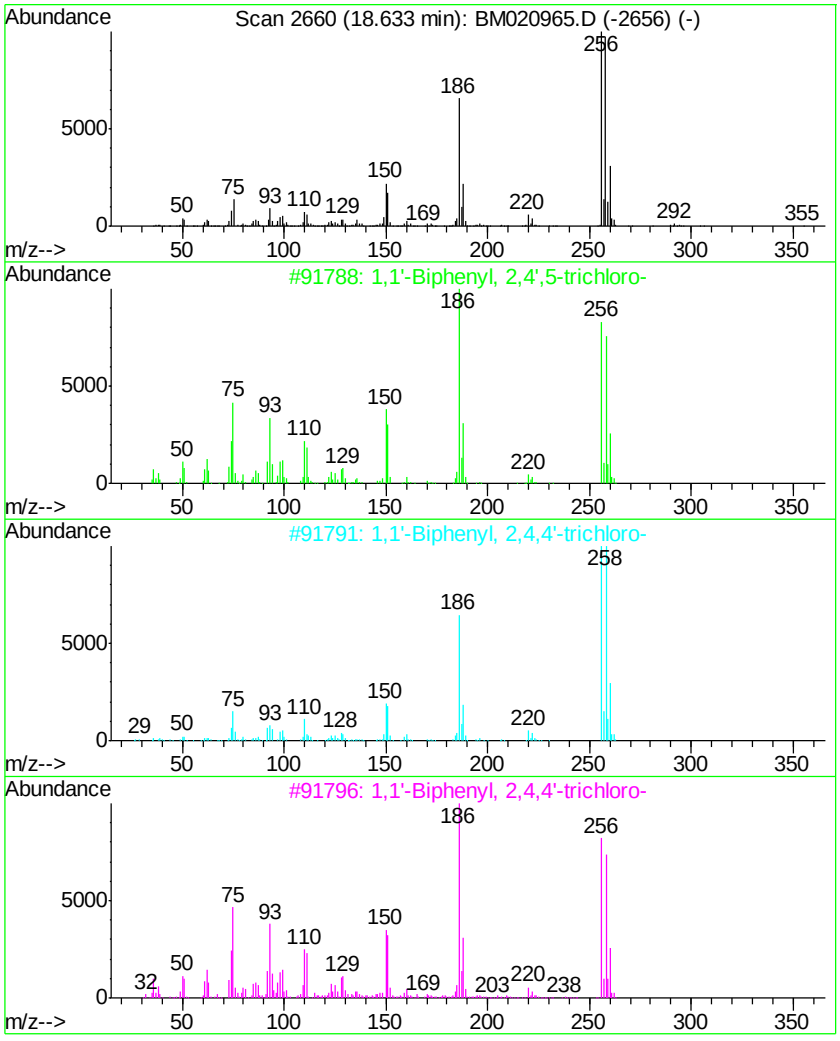
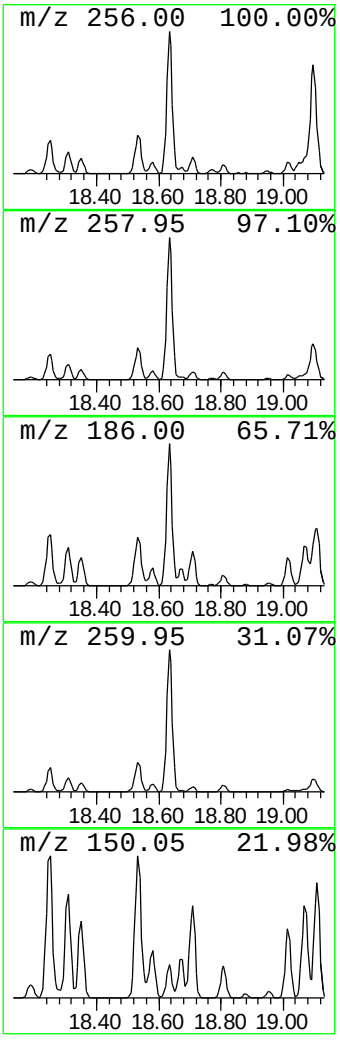
Peak Number 22 unknown-08 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	9.44 ng/ul	3788200	Phenanthrene-d10	17.18

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, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
3	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
4	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	99
5	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	98





Library Search Compound Report

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Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

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Quant Title : SVOA CALIBRATION

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

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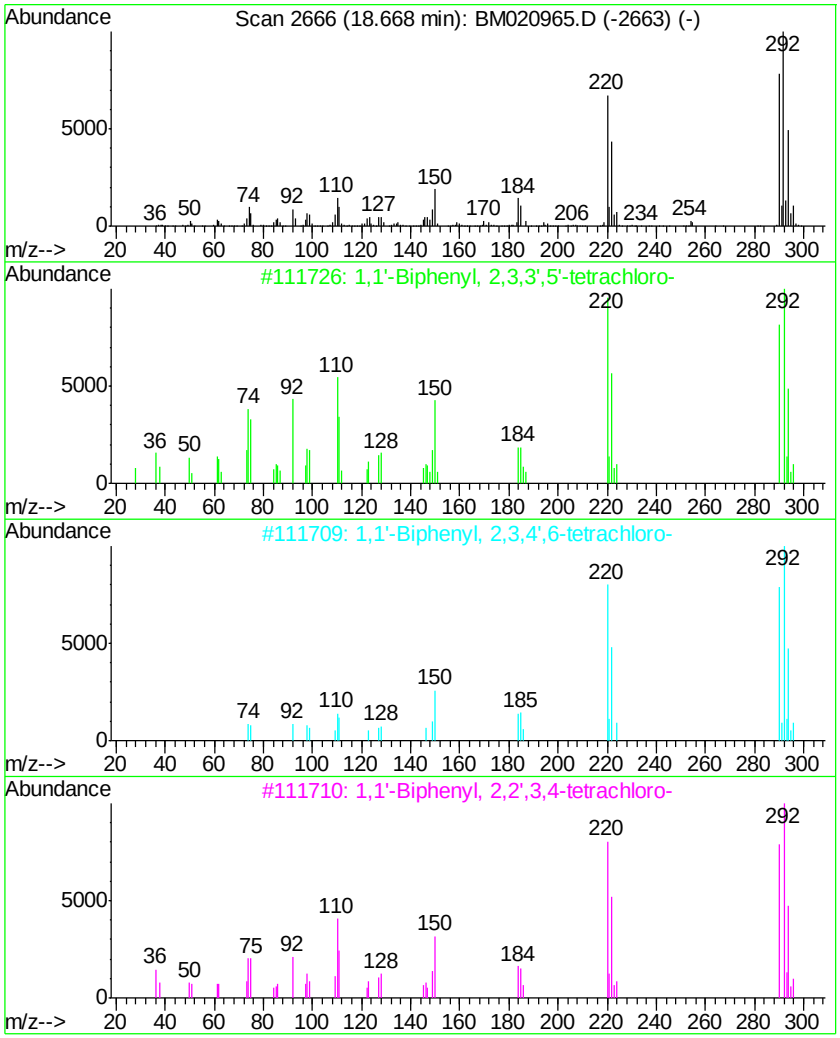
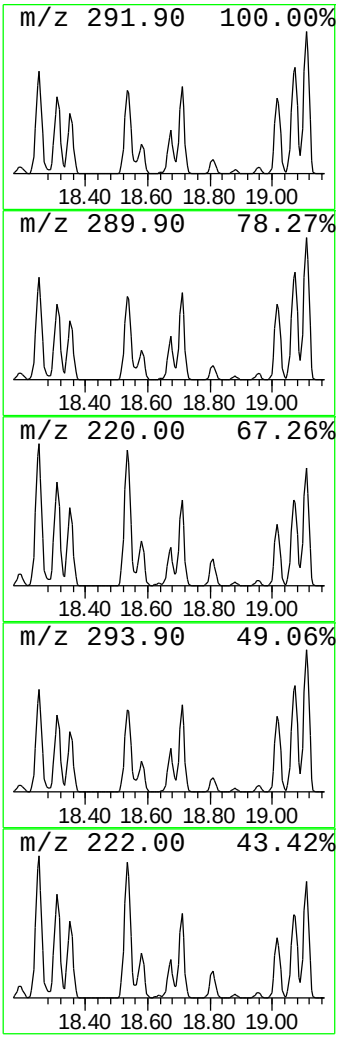
Peak Number 23 1,1'-Biphenyl, 2,3,3',5'-te... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	14.46 ng/ul	5802880	Phenanthrene-d10	17.18

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, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
3	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99





Library Search Compound Report

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Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

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Quant Title : SVOA CALIBRATION

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

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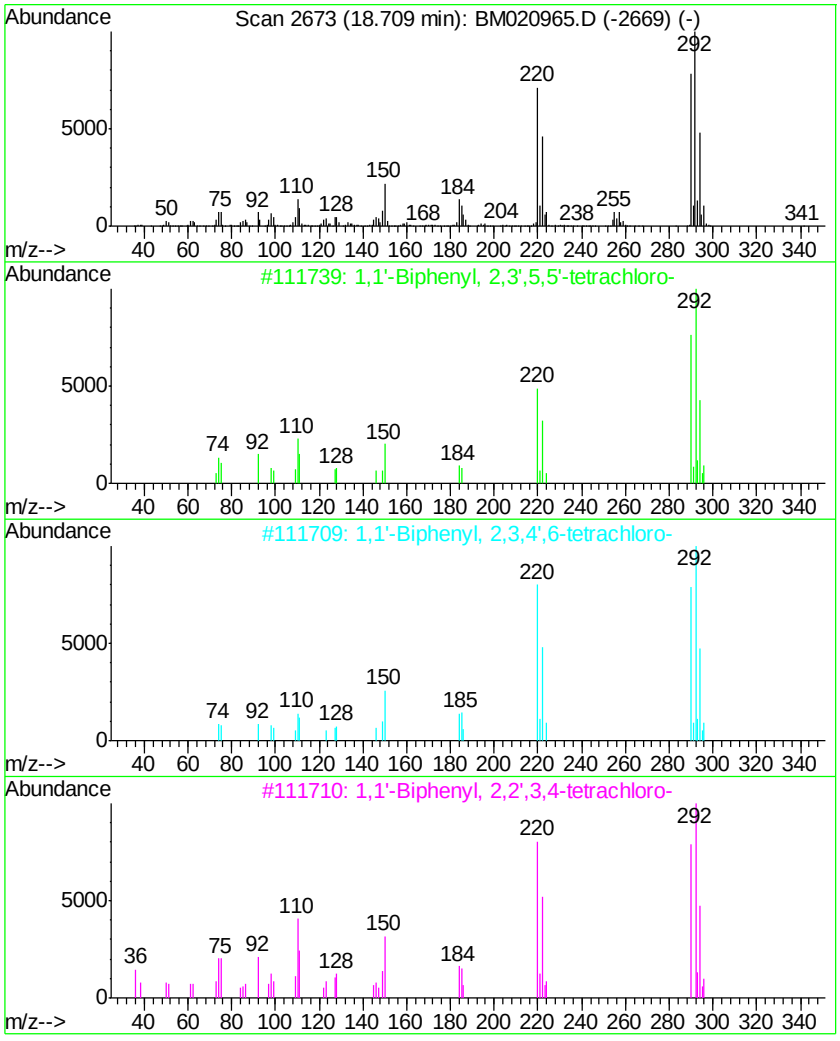
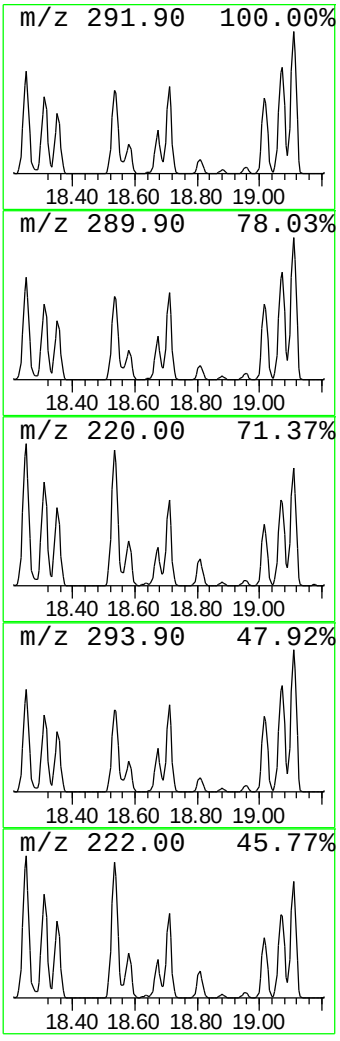
Peak Number 24 1,1'-Biphenyl, 2,3',5,5'-te... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.71	30.04 ng/ul	12052900	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
2	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
3	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
4	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
5	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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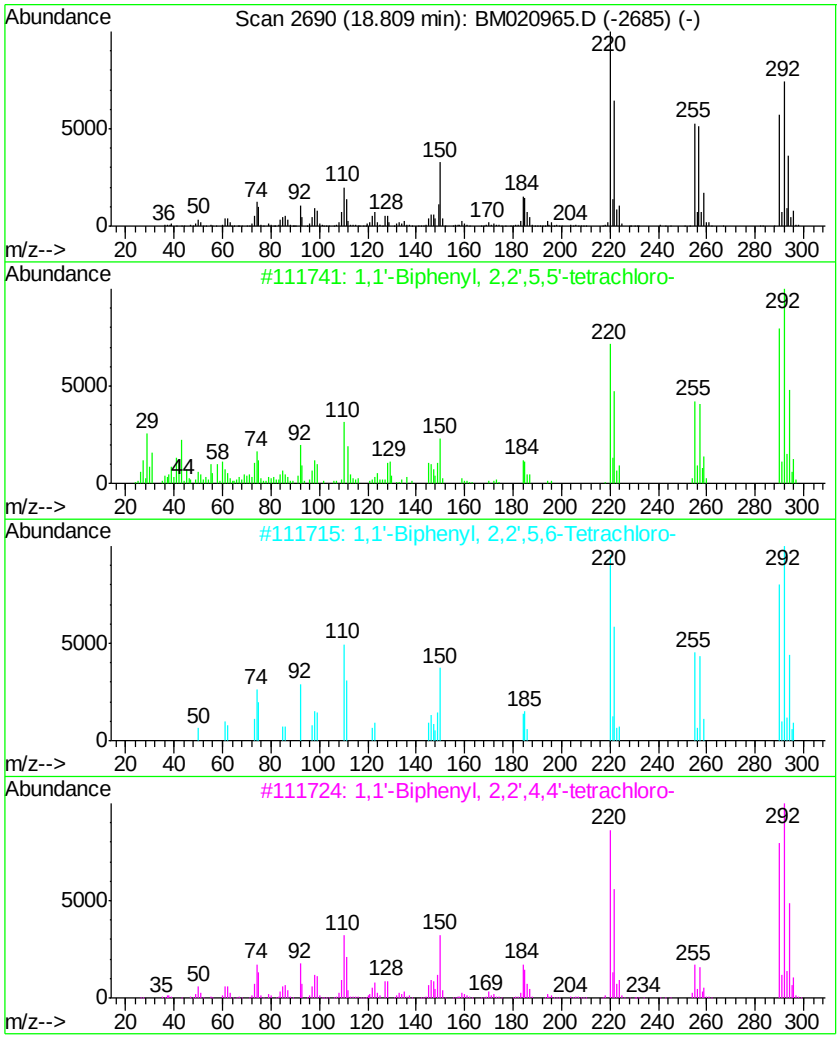
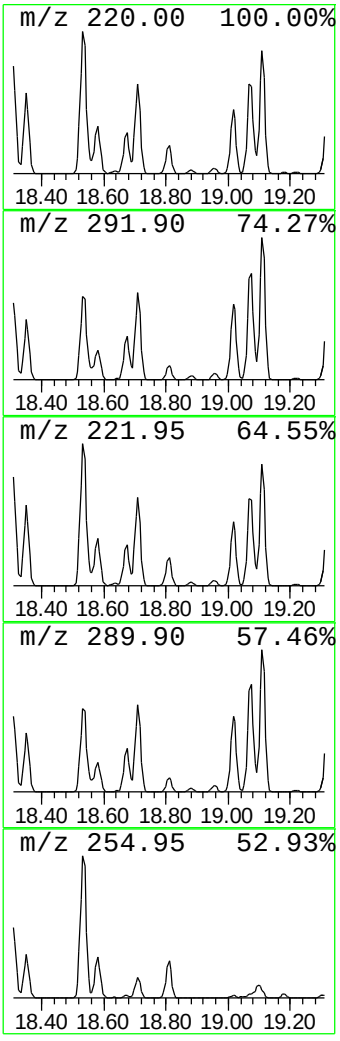
Peak Number 25 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	9.30 ng/ul	3731500	Phenanthrene-d10	17.18

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',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
5	1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99





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Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

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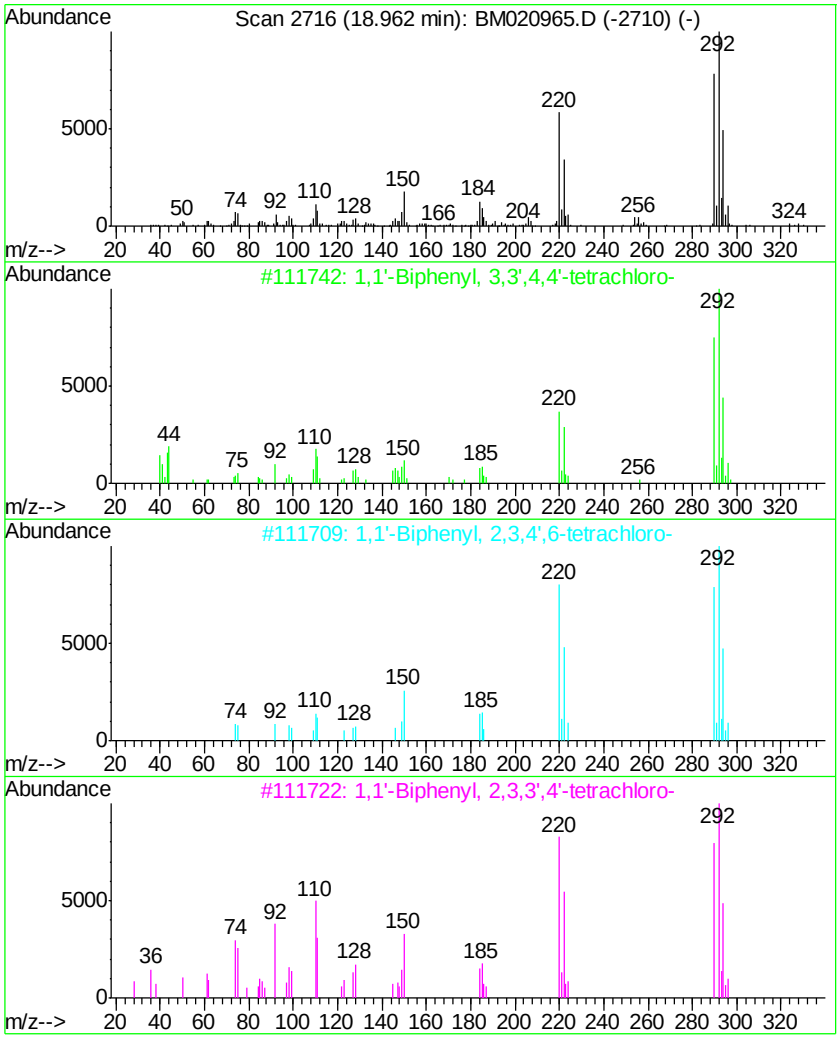
Quant Title : SVOA CALIBRATION

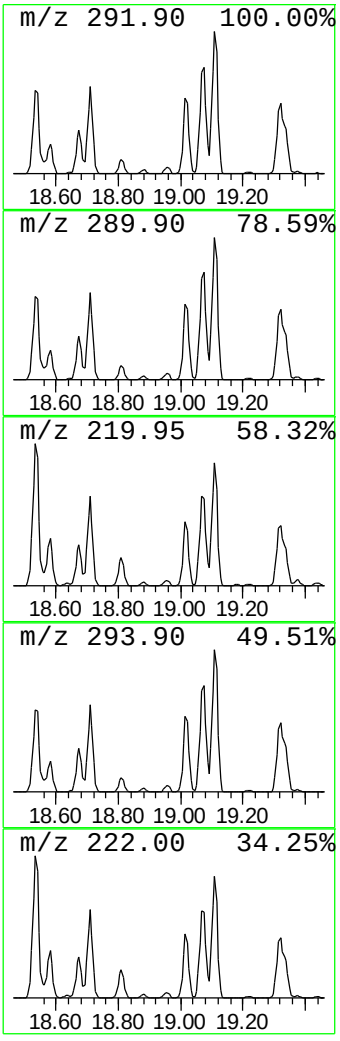
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	2.39 ng/ul	960663	Phenanthrene-d10	17.18

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, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
3	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99
4	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
5	1,1'-Biphenyl, 2,3',4',6-tetrach...	290	C12H6Cl4	041464-46-4	99





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Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

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Quant Title : SVOA CALIBRATION

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

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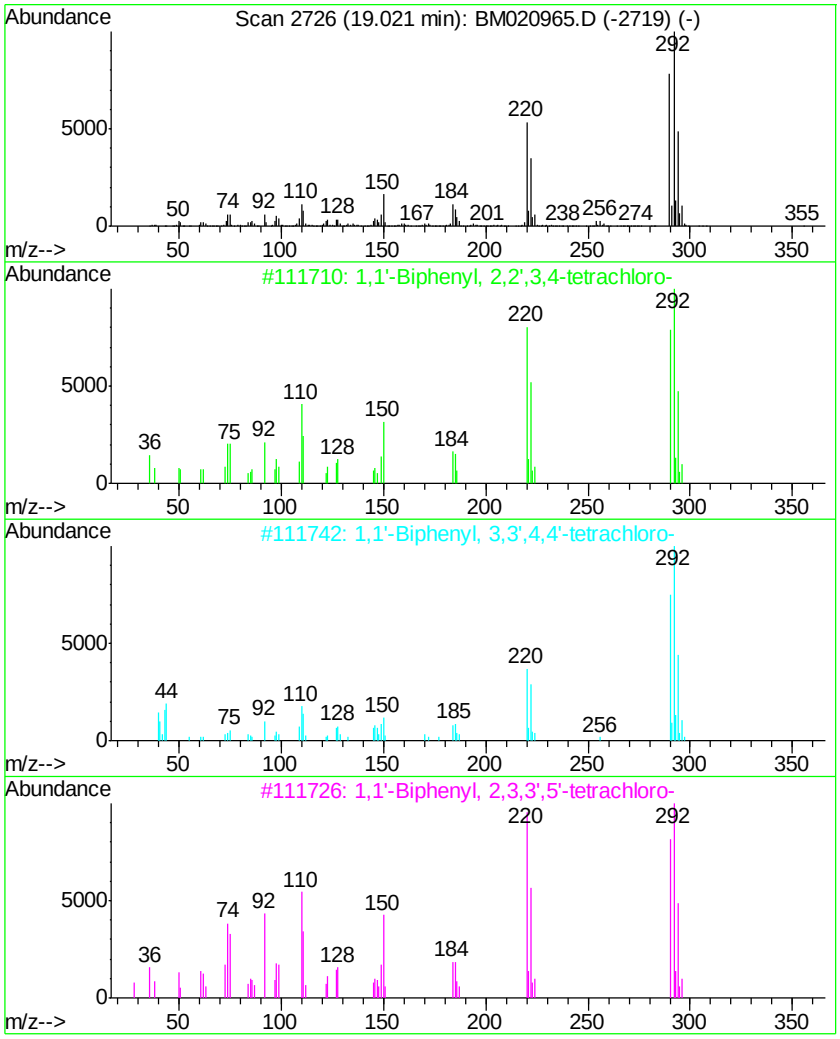
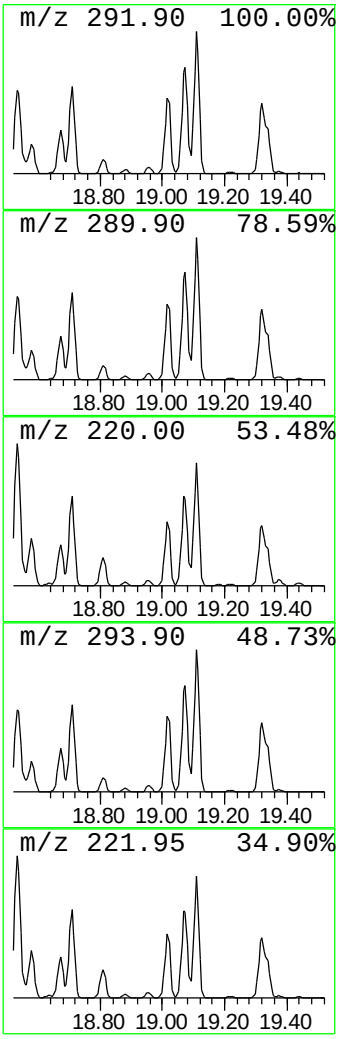
Peak Number 27 1,1'-Biphenyl, 2,2',3,4-tet... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	25.62 ng/ul	10279600	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
2	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
3	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
4	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	99
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99





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Data File : BM020965.D
Acq On : 15 Jun 2019 05:02
Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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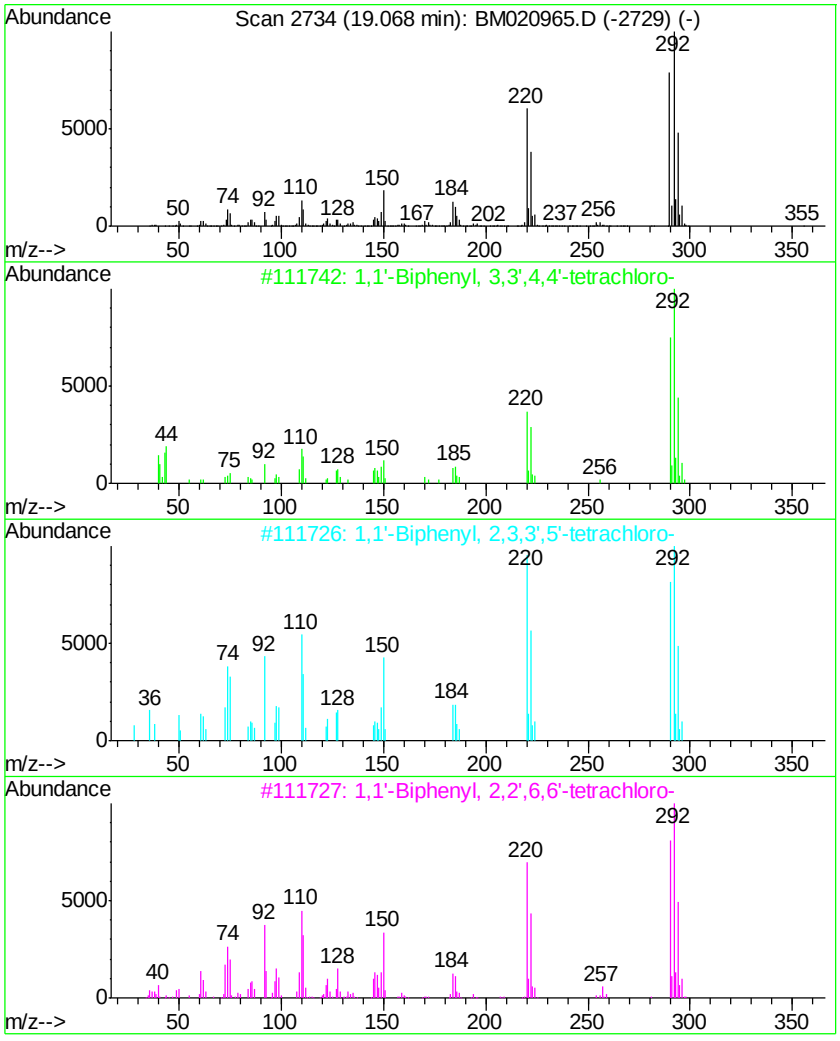
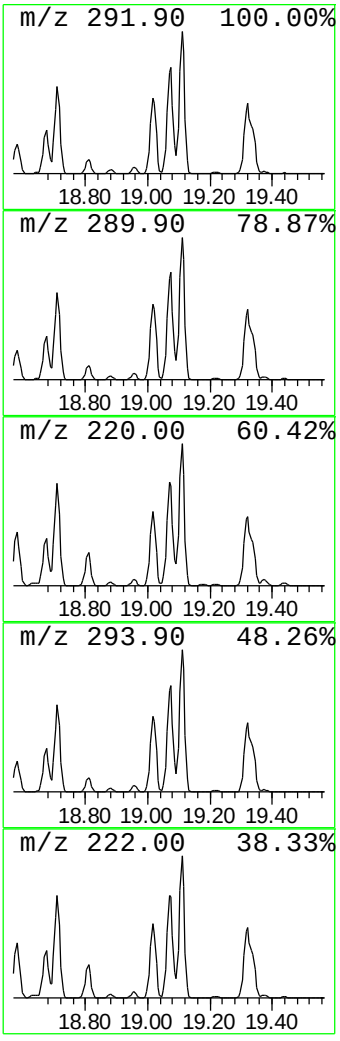
Peak Number 28 unknown-09 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	39.90 ng/ul	16009200	Phenanthrene-d10	17.18

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, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
4	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
5	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	97





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM061419\
Data File : BM020965.D
Acq On : 15 Jun 2019 05:02
Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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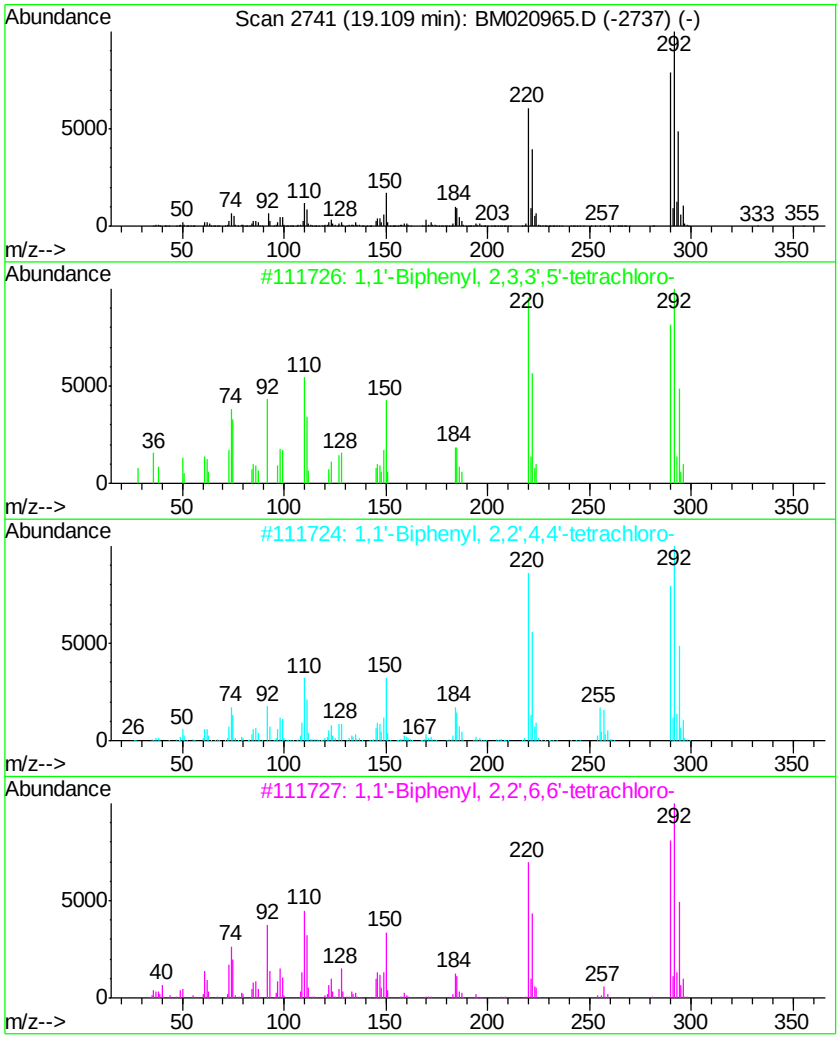
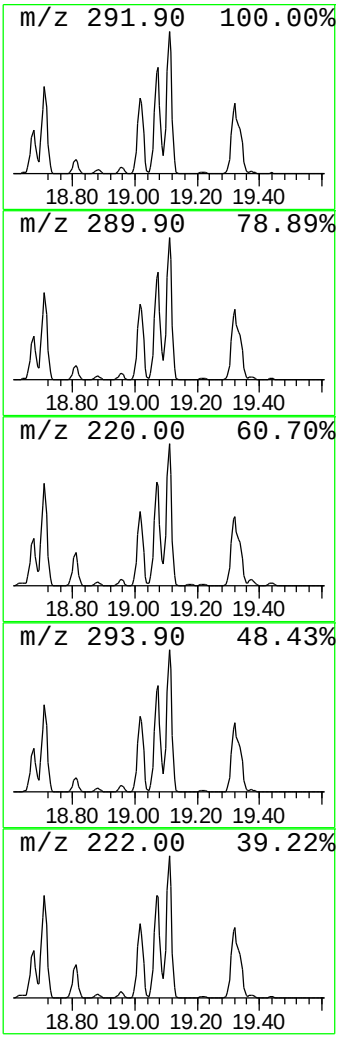
Peak Number 29 unknown-10 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	55.36 ng/ul	22210000	Phenanthrene-d10	17.18

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, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
4	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
5	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	98





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Data File : BM020965.D
Acq On : 15 Jun 2019 05:02
Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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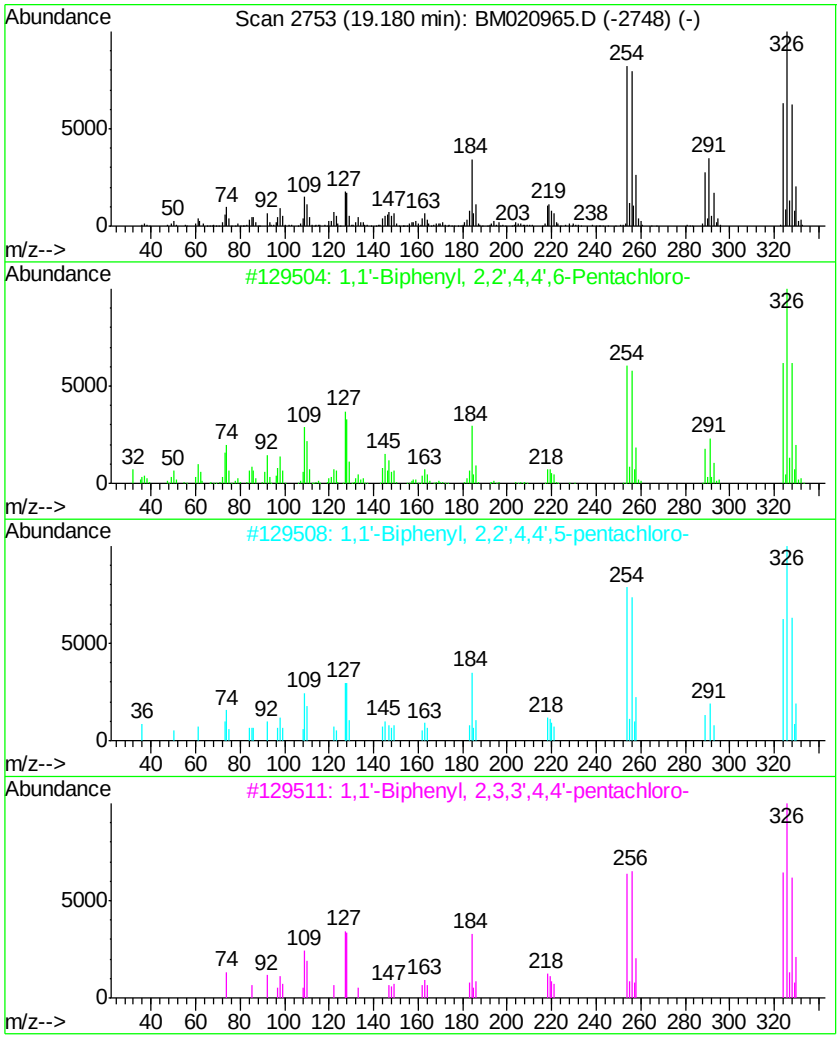
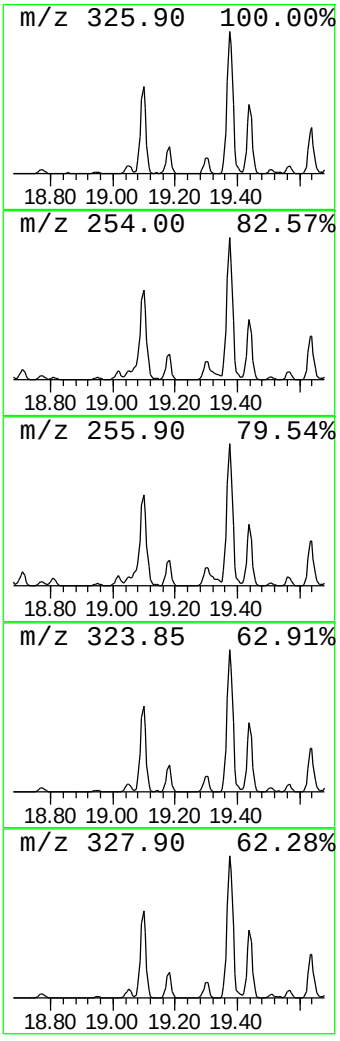
Peak Number 30 1,1'-Biphenyl, 2,2',4,4',6-... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.18	4.08 ng/ul	1635760	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	99
2	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
4	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
5	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM061419\
Data File : BM020965.D
Acq On : 15 Jun 2019 05:02
Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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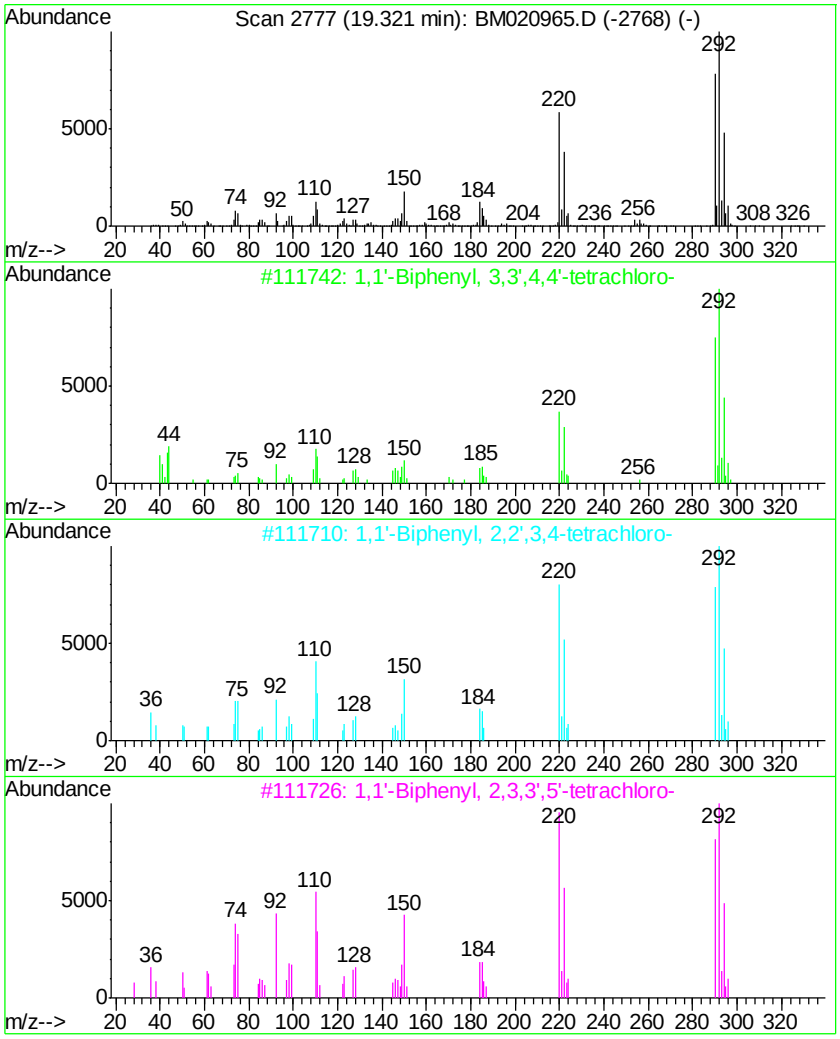
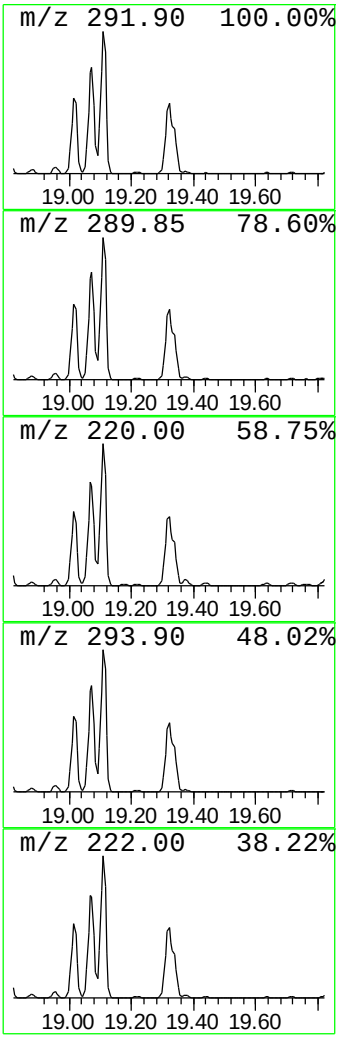
Peak Number 31 unknown-11 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.32	58.84 ng/ul	15805300	Chrysene-d12	21.36

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, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
3	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM061419\
Data File : BM020965.D
Acq On : 15 Jun 2019 05:02
Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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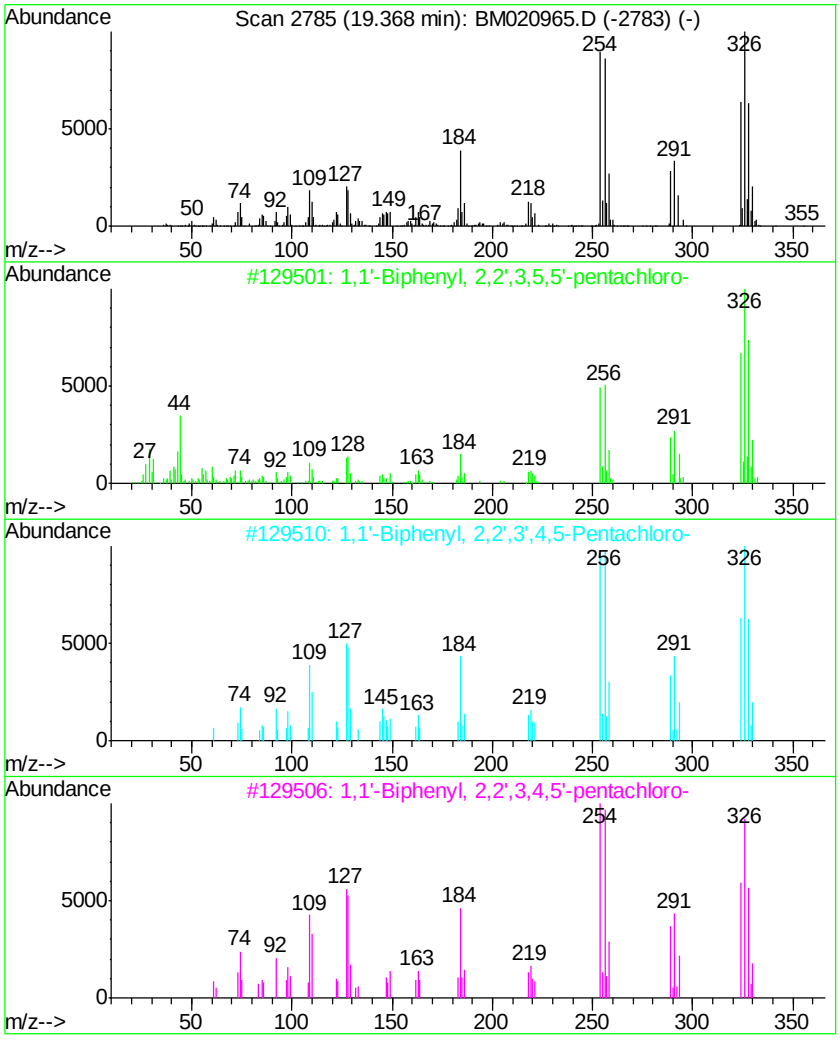
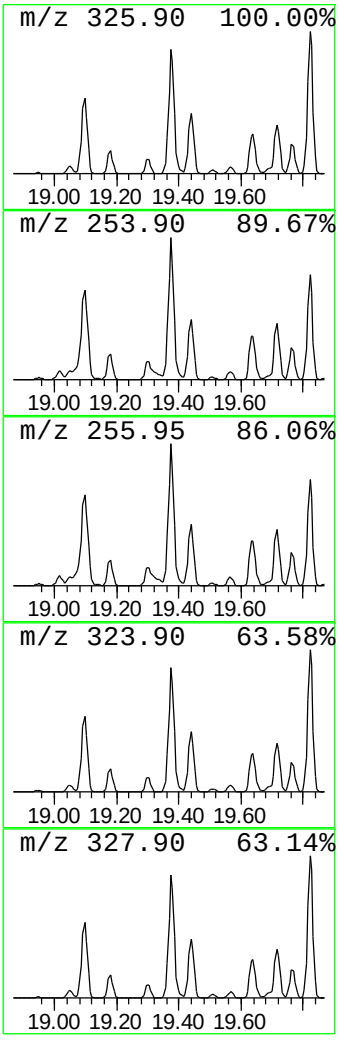
Peak Number 32 1,1'-Biphenyl, 2,2',3,5,5'-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	34.37 ng/ul	9232290	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
2	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
3	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
4	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	96
5	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM061419\
Data File : BM020965.D
Acq On : 15 Jun 2019 05:02
Operator : HP/JU
Sample : K3200-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.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...	3.05	2.3	ng/ul	176100	1	7.79	1568240	20.0
(DEL) Alkane: Str...	3.21	6.3	ng/ul	493964	1	7.79	1568240	20.0
1,1'-Biphenyl, 2,...	15.69	12.8	ng/ul	2234170	3	14.43	3492220	20.0
1,1'-Biphenyl, 2,...	16.41	3.4	ng/ul	1360720	4	17.18	8024050	20.0
1,1'-Biphenyl, 2,...	16.71	6.0	ng/ul	2417920	4	17.18	8024050	20.0
1,1'-Biphenyl, 2,...	17.06	27.1	ng/ul	10878800	4	17.18	8024050	20.0
1,1'-Biphenyl, 2'...	17.09	13.0	ng/ul	5210880	4	17.18	8024050	20.0
unknown-01	17.35	24.3	ng/ul	9757210	4	17.18	8024050	20.0
1,1'-Biphenyl, 2,...	17.63	5.9	ng/ul	2357460	4	17.18	8024050	20.0
1,1'-Biphenyl, 2,...	17.66	2.6	ng/ul	1030710	4	17.18	8024050	20.0
unknown-02	17.78	77.5	ng/ul	31114000	4	17.18	8024050	20.0
1,1'-Biphenyl, 2,...	17.89	17.3	ng/ul	6949160	4	17.18	8024050	20.0
1,1'-Biphenyl, 2,...	17.97	3.2	ng/ul	1291230	4	17.18	8024050	20.0
unknown-03	18.03	15.9	ng/ul	6384350	4	17.18	8024050	20.0
unknown-04	18.08	9.9	ng/ul	3981690	4	17.18	8024050	20.0
unknown-05	18.19	4.3	ng/ul	1734910	4	17.18	8024050	20.0
1,1'-Biphenyl, 2,...	18.25	53.0	ng/ul	21259100	4	17.18	8024050	20.0
unknown-06	18.31	35.4	ng/ul	14184900	4	17.18	8024050	20.0
1,1'-Biphenyl, 2,...	18.35	24.6	ng/ul	9859500	4	17.18	8024050	20.0
unknown-07	18.53	49.5	ng/ul	19846800	4	17.18	8024050	20.0
1,1'-Biphenyl, 2,...	18.58	14.6	ng/ul	5862690	4	17.18	8024050	20.0
unknown-08	18.63	9.4	ng/ul	3788200	4	17.18	8024050	20.0
1,1'-Biphenyl, 2,...	18.67	14.5	ng/ul	5802880	4	17.18	8024050	20.0
1,1'-Biphenyl, 2,...	18.71	30.0	ng/ul	12052900	4	17.18	8024050	20.0
1,1'-Biphenyl, 2,...	18.81	9.3	ng/ul	3731500	4	17.18	8024050	20.0
1,1'-Biphenyl, 3,...	18.96	2.4	ng/ul	960663	4	17.18	8024050	20.0
1,1'-Biphenyl, 2,...	19.02	25.6	ng/ul	10279600	4	17.18	8024050	20.0
unknown-09	19.07	39.9	ng/ul	16009200	4	17.18	8024050	20.0
unknown-10	19.11	55.4	ng/ul	22210000	4	17.18	8024050	20.0
1,1'-Biphenyl, 2,...	19.18	4.1	ng/ul	1635760	4	17.18	8024050	20.0
unknown-11	19.32	58.8	ng/ul	15805300	5	21.36	5372340	20.0
1,1'-Biphenyl, 2,...	19.37	34.4	ng/ul	9232290	5	21.36	5372340	20.0