LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM061119\
Data File : BM020892.D
Acq On : 12 Jun 2019 01:55
Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

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-BM060619MA.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	3.058	10	12	22	rVB	162046	177955	0.78%	0.069%
2	3.134	22	25	28	rBV2	37828	37513	0.17%	0.015%
3	3.222	36	40	47	rVB	549820	550513	2.42%	0.214%
4	3.558	94	97	101	rVB	38319	43253	0.19%	0.017%
5	3.928	157	160	168	rVB4	13791	23298	0.10%	0.009%
6	4.022	173	176	182	rVB3	24026	33058	0.15%	0.013%
7	7.804	812	819	828	rVB	1293771	2017715	8.89%	0.783%
8	10.592	1284	1293	1303	rVB	1751577	2997864	13.20%	1.163%
9	13.251	1741	1745	1753	rVB8	12727	25510	0.11%	0.010%
10	14.333	1926	1929	1937	rBV5	18636	24913	0.11%	0.010%
11	14.445	1937	1948	1956	rBV2	2778769	4268017	18.80%	1.656%
12	14.563	1964	1968	1975	rVB	45500	65779	0.29%	0.026%
13	14.839	2010	2015	2020	rVB7	13486	23875	0.11%	0.009%
14	15.286	2084	2091	2096	rVB7	18004	26653	0.12%	0.010%
15	15.698	2155	2161	2167	rBV	1721704	2278534	10.04%	0.884%
16	16.139	2231	2236	2244	rBV2	105551	178829	0.79%	0.069%
17	16.304	2259	2264	2269	rVB	342310	422095	1.86%	0.164%
18	16.421	2277	2284	2290	rVB	948152	1241485	5.47%	0.482%
19	16.486	2290	2295	2300	rBV2	31190	43840	0.19%	0.017%
20	16.721	2329	2335	2341	rBV	1630595	2236633	9.85%	0.868%
21	16.968	2375	2377	2387	rVB5	16359	35878	0.16%	0.014%
22	17.068	2387	2394	2397	rBV	6529414	9098500	40.07%	3.529%
23	17.104	2397	2400	2406	rVB	3342829	4153696	18.29%	1.611%
24	17.186	2406	2414	2428	rBV3	3268063	7166308	31.56%	2.780%
25	17.363	2437	2444	2452	rBV2	5562231	8144736	35.87%	3.159%
26	17.474	2459	2463	2470	rVB3	56628	88073	0.39%	0.034%
27	17.568	2473	2479	2484	rVB3	48431	89797	0.40%	0.035%
28	17.639	2485	2491	2494	rVV	1300445	1794026	7.90%	0.696%
29	17.668	2494	2496	2502	rVB	665208	770775	3.39%	0.299%
30	17.727	2502	2506	2509	rBV2	44513	57135	0.25%	0.022%
31	17.792	2509	2517	2529	rVB	11909492	22705260	100.00%	8.808%
32	17.904	2529	2536	2544	rBV3	3247692	5735212	25.26%	2.225%
33	17.980	2544	2549	2553	rBV	844469	1100044	4.84%	0.427%
34	18.039	2553	2559	2563	rVV	3513365	4681159	20.62%	1.816%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

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-BM060619MA.M
Title : SVOA CALIBRATION

35	18.092	2563	2568	2578	rVB	2585322	3412443	15.03%	1.324%
36	18.198	2581	2586	2591	rBV	1057944	1474888	6.50%	0.572%
37	18.262	2591	2597	2602	rVV	12256018	17187485	75.70%	6.667%
38	18.321	2602	2607	2610	rVV	8819194	11487505	50.59%	4.456%
39	18.362	2610	2614	2620	rVB	6417319	8118275	35.76%	3.149%
40	18.545	2638	2645	2649	rBV	11312259	15385411	67.76%	5.968%
41	18.592	2649	2653	2657	rVV	3732075	4926825	21.70%	1.911%
42	18.645	2657	2662	2665	rVV	1885430	2514823	11.08%	0.976%
43	18.680	2665	2668	2671	rVV	3605326	4606707	20.29%	1.787%
44	18.721	2671	2675	2681	rVB	7075179	9183693	40.45%	3.562%
45	18.780	2681	2685	2687	rBV	183549	221667	0.98%	0.086%
46	18.821	2687	2692	2697	rVB	2156492	2858176	12.59%	1.109%
47	18.892	2697	2704	2712	rBV	307674	469774	2.07%	0.182%
48	18.968	2712	2717	2721	rBV	546773	731706	3.22%	0.284%
49	19.027	2721	2727	2731	rBV	6000607	7601930	33.48%	2.949%
50	19.080	2731	2736	2739	rVV	7593615	11307054	49.80%	4.386%
51	19.115	2739	2742	2750	rVV2	11386970	15603509	68.72%	6.053%
52	19.192	2750	2755	2759	rVV	1009164	1267684	5.58%	0.492%
53	19.245	2759	2764	2770	rVB2	227757	443666	1.95%	0.172%
54	19.327	2770	2778	2784	rBV	5225511	10951255	48.23%	4.248%
55	19.386	2784	2788	2795	rVV	5448879	7219395	31.80%	2.801%
56	19.451	2795	2799	2804	rVB	2345166	2873868	12.66%	1.115%
57	19.521	2807	2811	2816	rBV	107151	154603	0.68%	0.060%
58	19.574	2816	2820	2824	rBV2	374252	485365	2.14%	0.188%
59	19.609	2824	2826	2828	rVV	61052	64186	0.28%	0.025%
60	19.645	2828	2832	2838	rVV	1786100	2265503	9.98%	0.879%
61	19.727	2838	2846	2850	rVV	2099382	2784856	12.27%	1.080%
62	19.774	2850	2854	2858	rVV	1154047	1452135	6.40%	0.563%
63	19.833	2858	2864	2868	rVV	4552990	5435327	23.94%	2.108%
64	19.880	2868	2872	2878	rVB	818378	990645	4.36%	0.384%
65	19.974	2881	2888	2897	rBV2	880955	1557834	6.86%	0.604%
66	20.045	2897	2900	2903	rVV	144980	166200	0.73%	0.064%
67	20.092	2903	2908	2912	rVV2	925854	1384605	6.10%	0.537%
68	20.145	2912	2917	2924	rVB	3282492	3951764	17.40%	1.533%
69	20.286	2936	2941	2947	rVB2	250758	451364	1.99%	0.175%
70	20.368	2951	2955	2960	rBV	808056	920410	4.05%	0.357%
71	20.427	2960	2965	2966	rBV	391844	486781	2.14%	0.189%

LSC Area Percent Report

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Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Title : SVOA CALIBRATION

72	20.451	2966	2969	2976	rVB	1909223	2288775	10.08%	0.888%
73	20.521	2978	2981	2987	rVV3	206212	307416	1.35%	0.119%
74	20.615	2995	2997	3001	rVB4	118803	121792	0.54%	0.047%
75	20.686	3002	3009	3016	rBV	792292	1389508	6.12%	0.539%
76	20.833	3031	3034	3039	rVB	180269	200409	0.88%	0.078%
77	20.892	3042	3044	3050	rVB4	84548	104747	0.46%	0.041%
78	20.992	3058	3061	3065	rBV2	235691	270028	1.19%	0.105%
79	21.103	3077	3080	3084	rVB3	162396	189096	0.83%	0.073%
80	21.362	3120	3124	3135	rVB	2839017	4110844	18.11%	1.595%
81	21.698	3179	3181	3187	rBV4	152478	170086	0.75%	0.066%
82	23.644	3506	3512	3524	rVB	2002122	3898797	17.17%	1.512%

Sum of corrected areas: 257788746

LSC Report - Integrated Chromatogram

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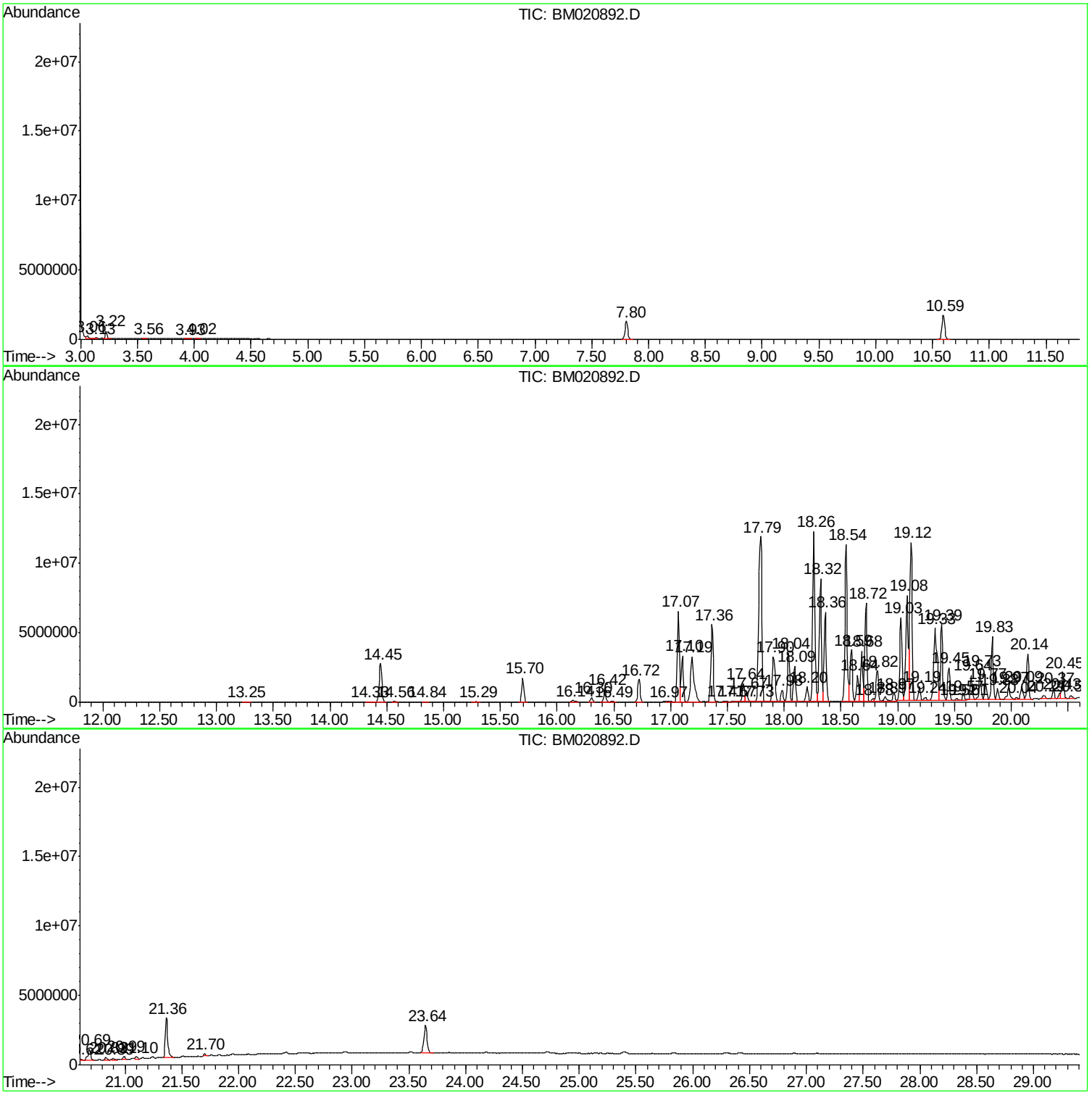
Data File : BM020892.D
Acq On : 12 Jun 2019 01:55
Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM061119\
Data File : BM020892.D
Acq On : 12 Jun 2019 01:55
Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

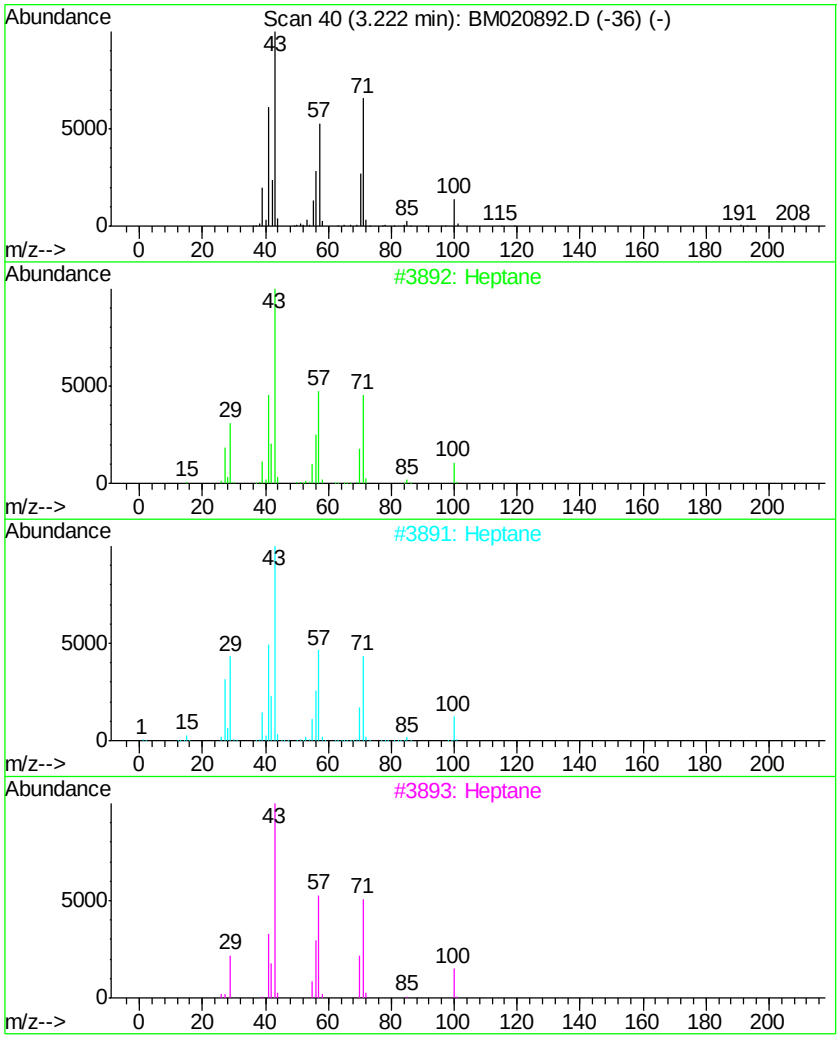
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

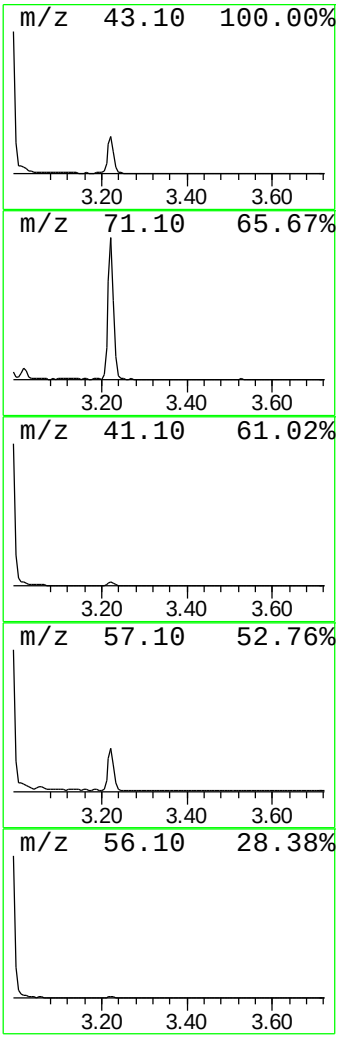
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.22	5.46 ng/ul	550513	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	94
2	Heptane	100	C7H16	000142-82-5	91
3	Heptane	100	C7H16	000142-82-5	91
4	Heptane	100	C7H16	000142-82-5	86
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM061119\
Data File : BM020892.D
Acq On : 12 Jun 2019 01:55
Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

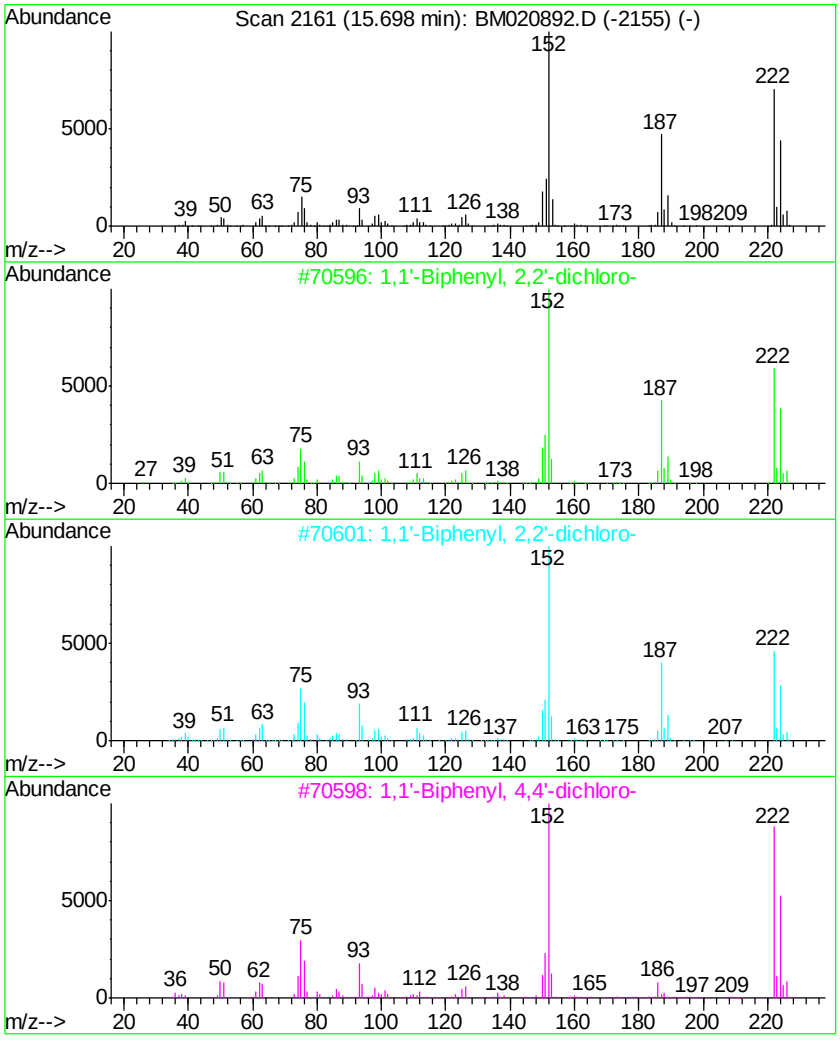
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

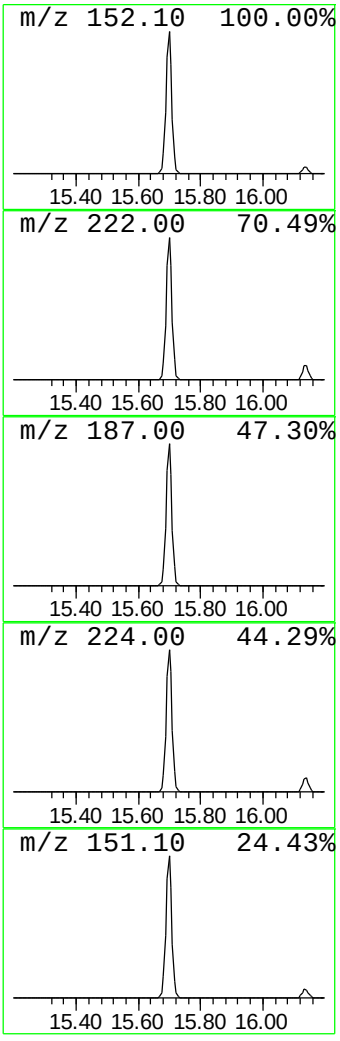
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.70	10.68 ng/ul	2278530	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	98
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	97
4	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	95
5	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM061119\
Data File : BM020892.D
Acq On : 12 Jun 2019 01:55
Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
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Instrument : BNA_M
ClientSampleId : ETND9

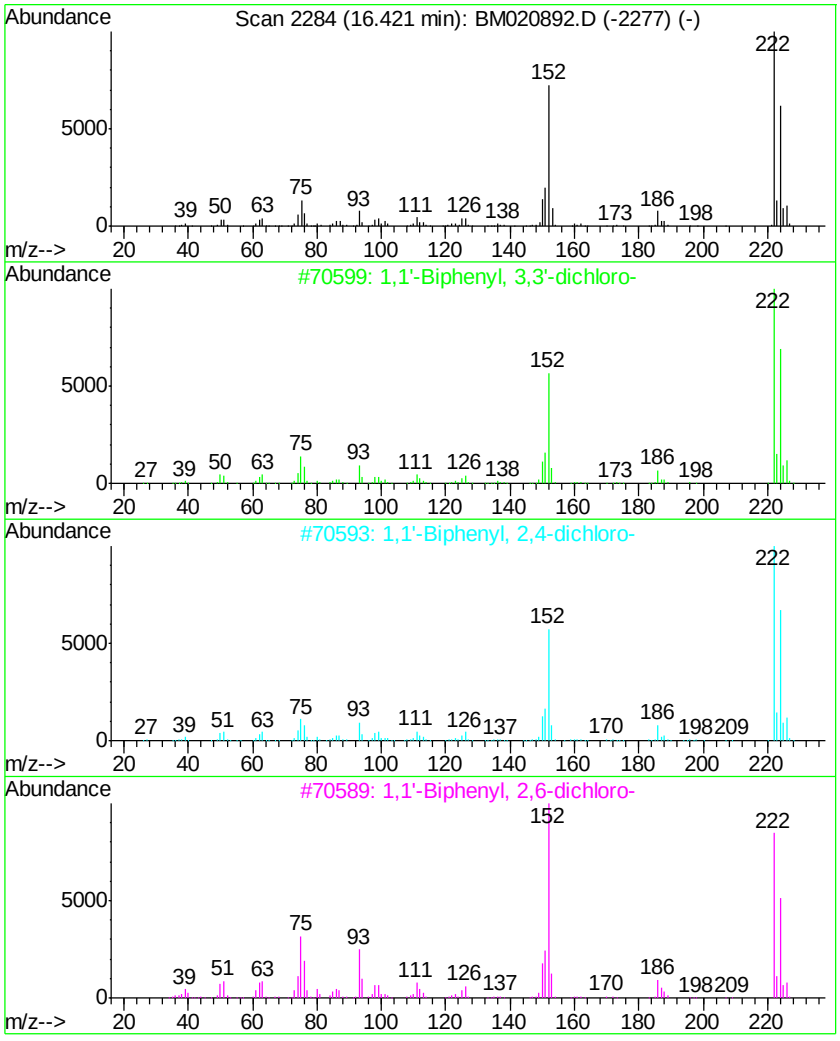
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

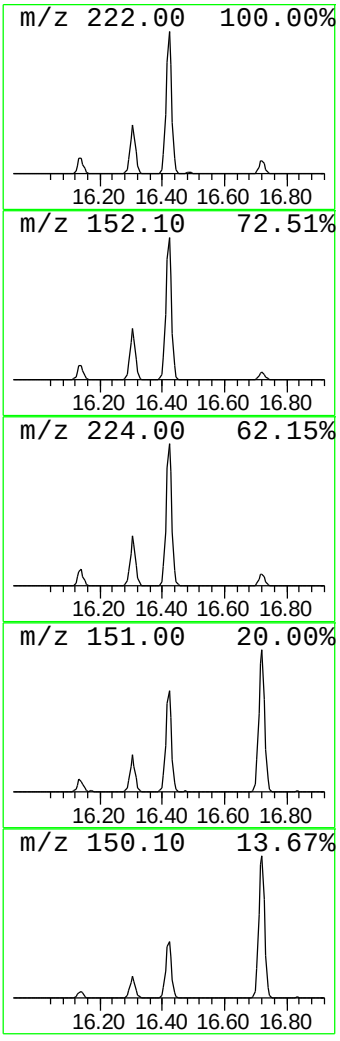
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	3.46 ng/ul	1241490	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	98
2	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	98
3	1,1'-Biphenyl, 2,6-dichloro-	222	C12H8Cl2	033146-45-1	97
4	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	95
5	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	95





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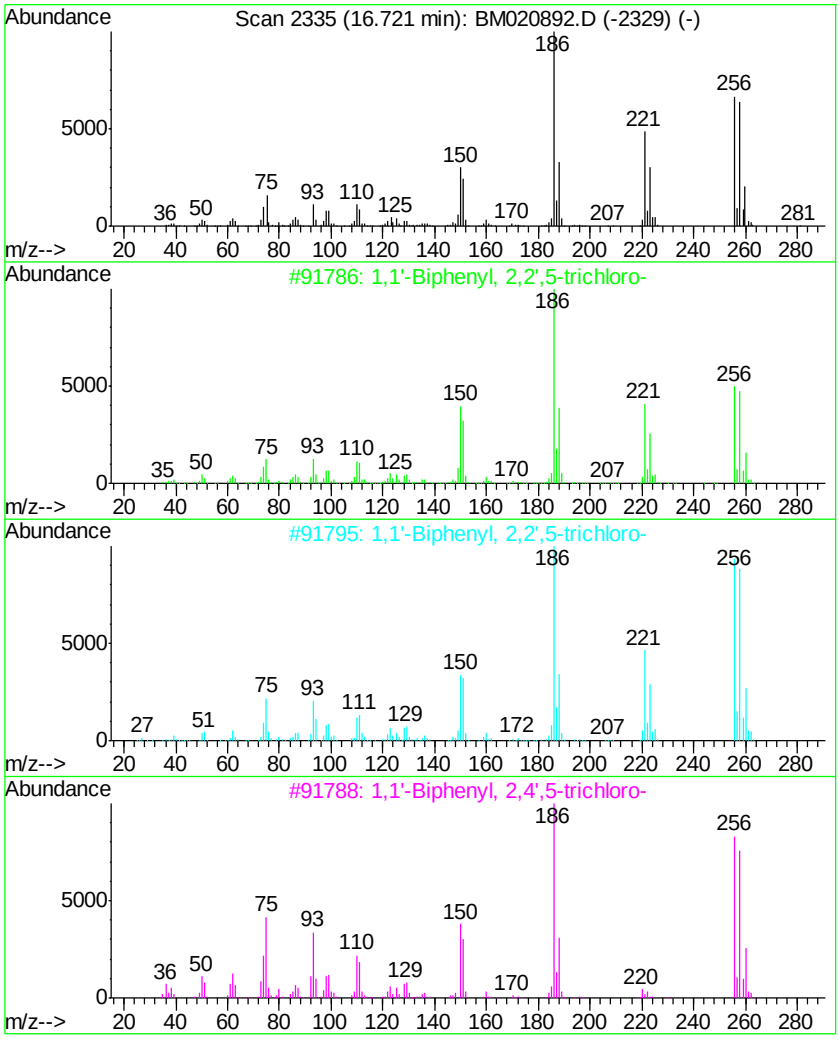
Quant Title : SVOA CALIBRATION

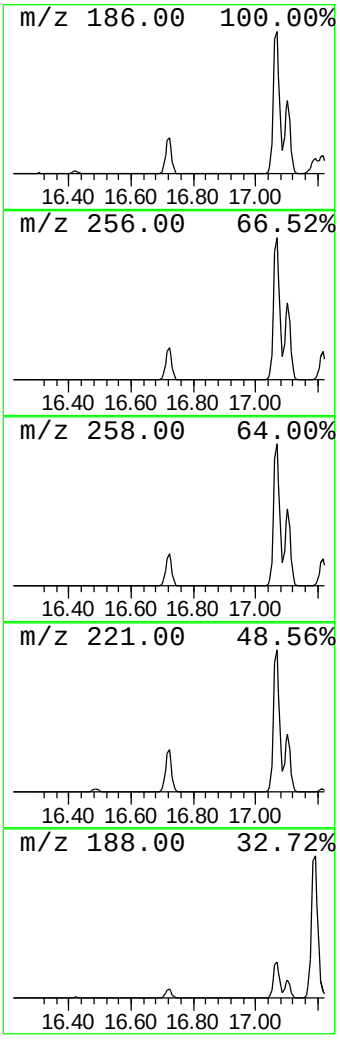
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	6.24 ng/ul	2236630	Phenanthrene-d10	17.19

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	97
4	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	96
5	1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	96





Library Search Compound Report

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Instrument : BNA_M
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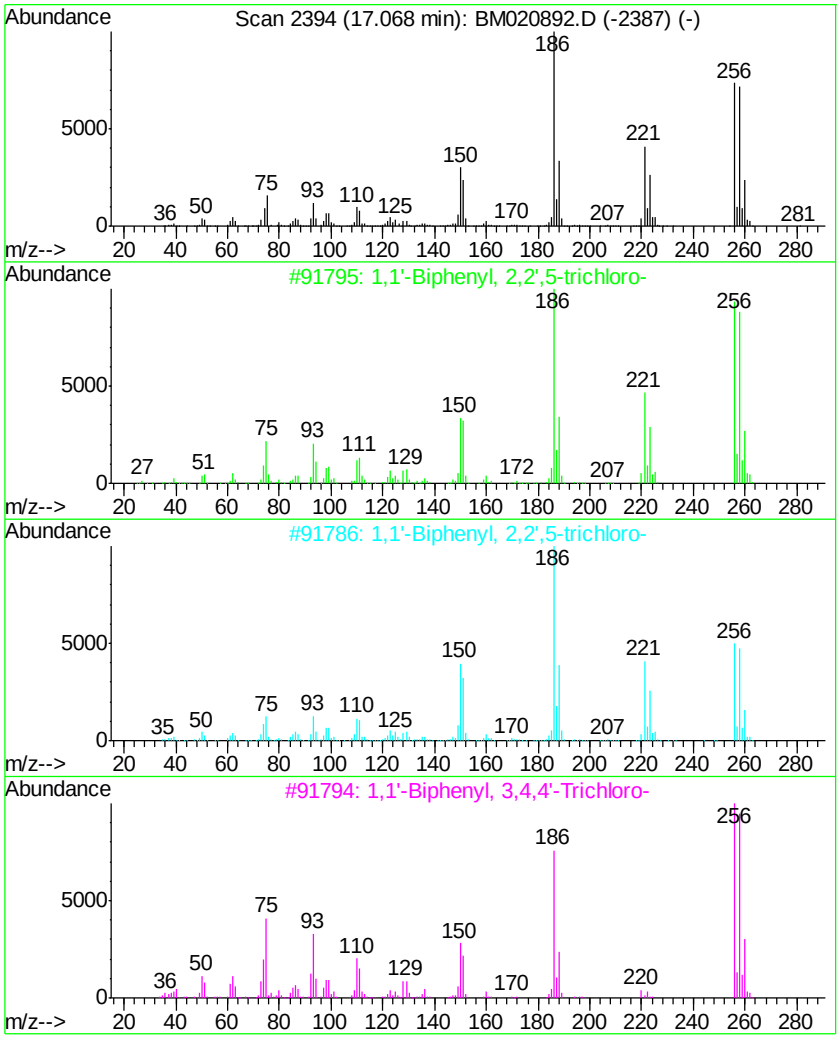
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

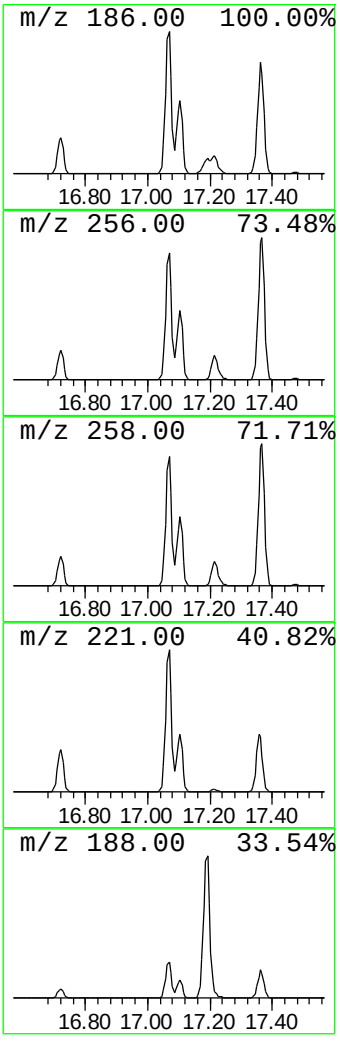
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1,1'-Biphenyl, 3,4,4'-Trich... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.07	25.39 ng/ul	9098500	Phenanthrene-d10	17.19

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, 3,4,4'-Trichloro-	256	C12H7Cl3	038444-90-5	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	038444-86-9	96





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

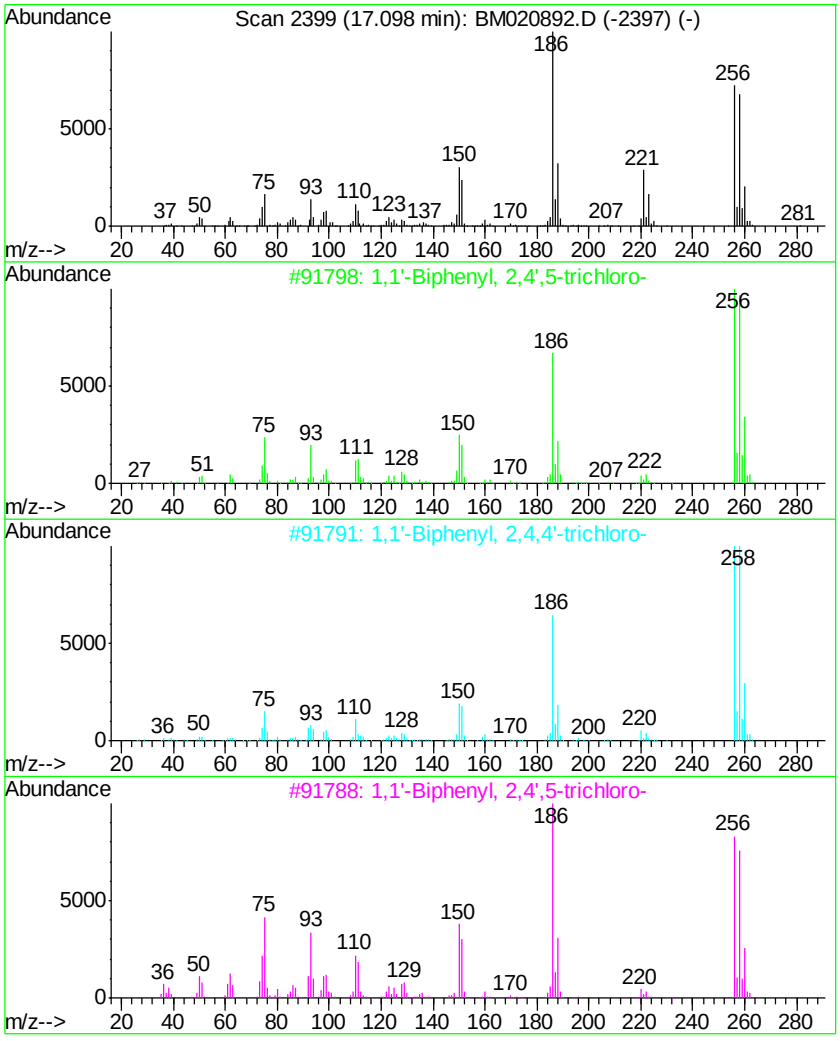
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

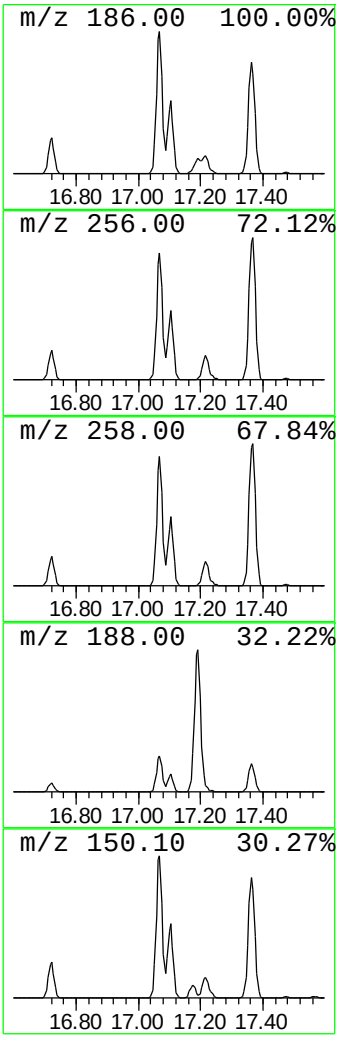
****

Peak Number 6 1,1'-Biphenyl, 2,4',5-trich... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	11.59 ng/ul	4153700	Phenanthrene-d10	17.19

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, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	97
3	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	97
4	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	96
5	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	95





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Acq On : 12 Jun 2019 01:55
Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

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Quant Title : SVOA CALIBRATION

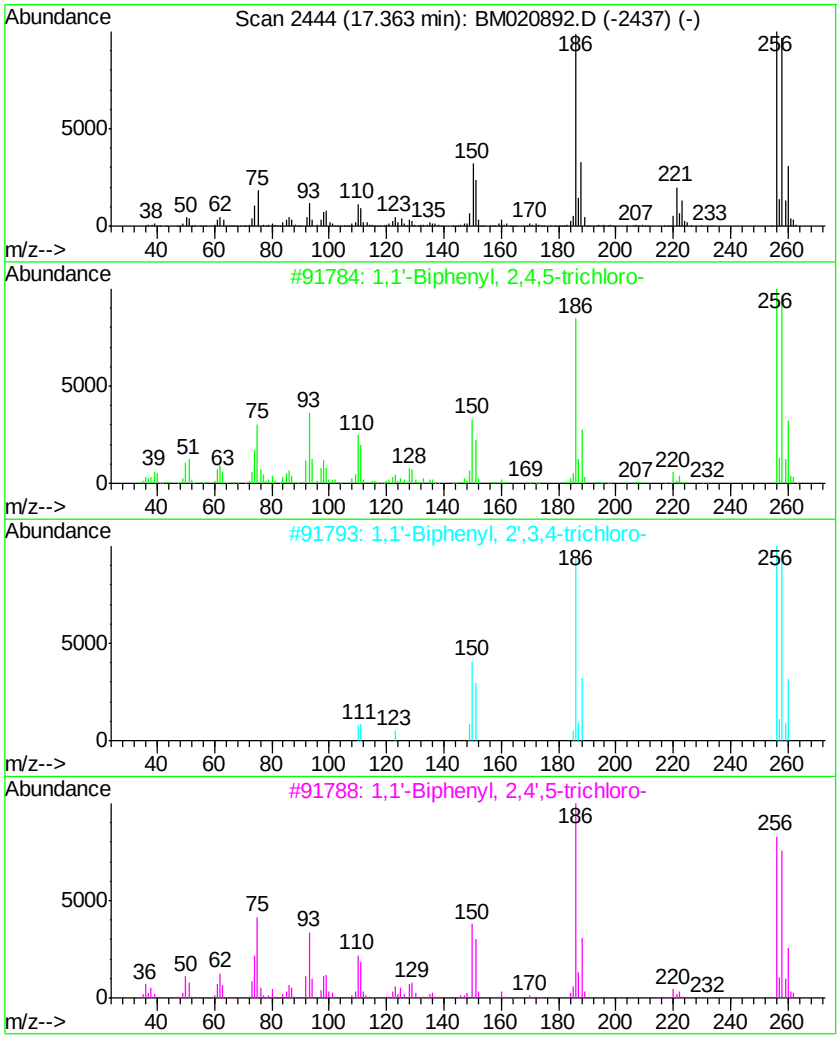
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

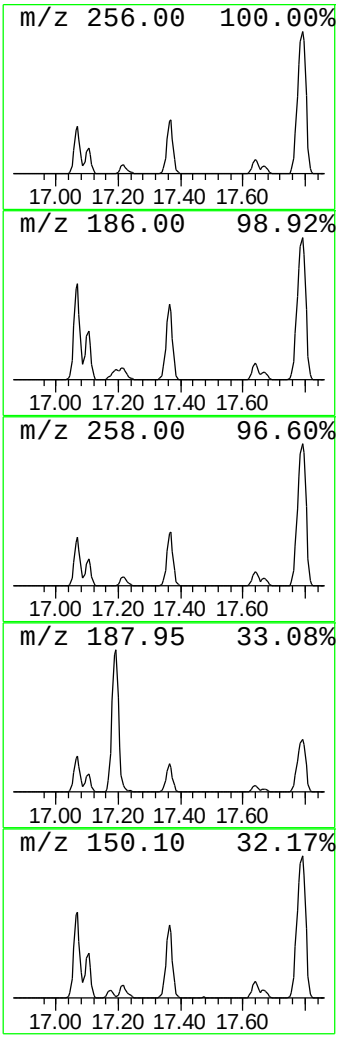
****

Peak Number 7 unknown-01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.36	22.73 ng/ul	8144740	Phenanthrene-d10	17.19

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, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	98
4	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	96
5	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	96





Library Search Compound Report

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Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

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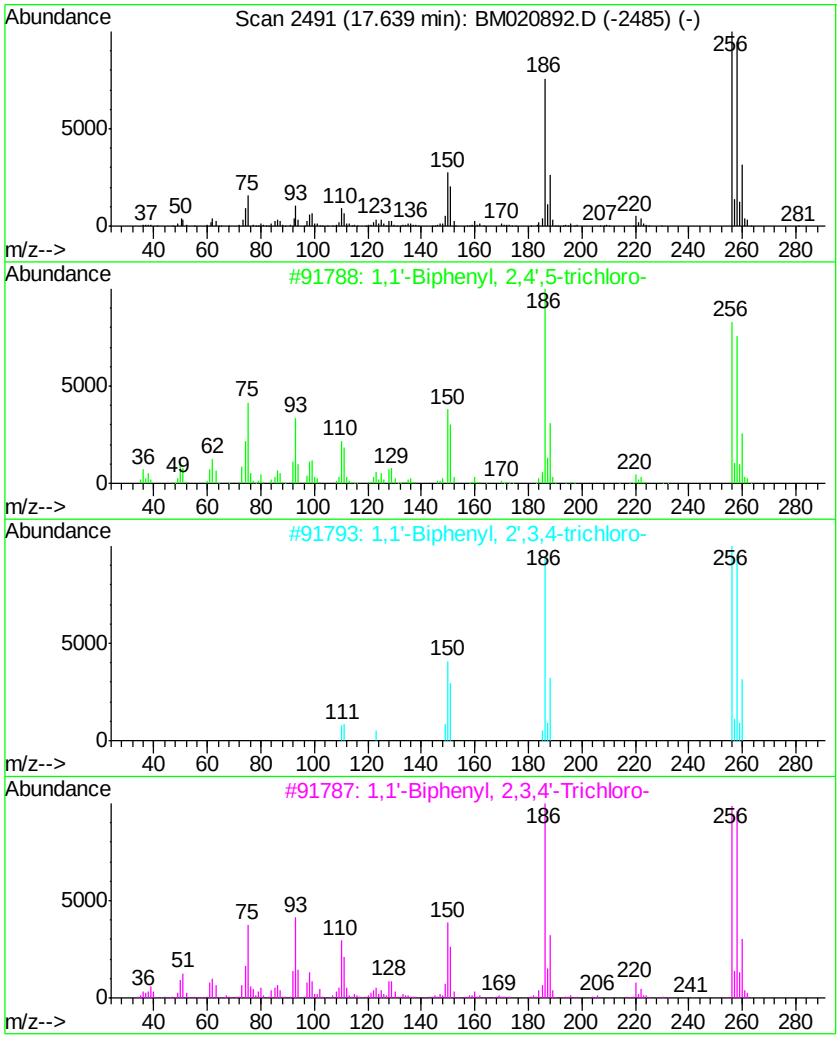
Quant Title : SVOA CALIBRATION

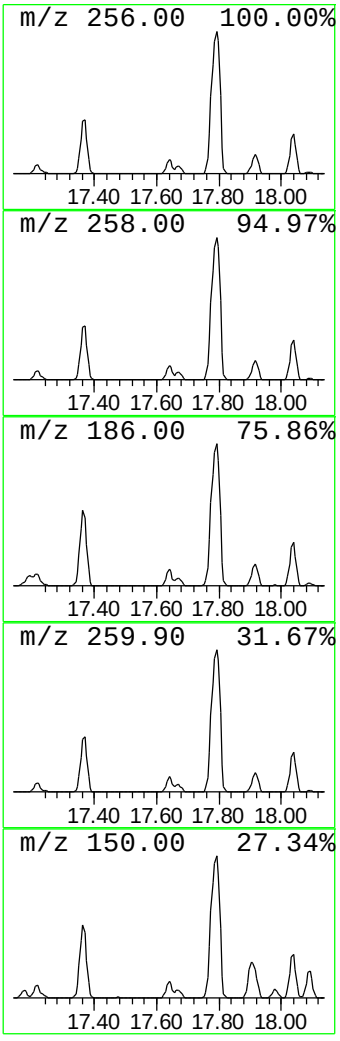
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1,1'-Biphenyl, 2,4,4'-trich... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	5.01 ng/ul	1794030	Phenanthrene-d10	17.19

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	038444-86-9	98
3	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	98
4	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	96
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 : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETND9

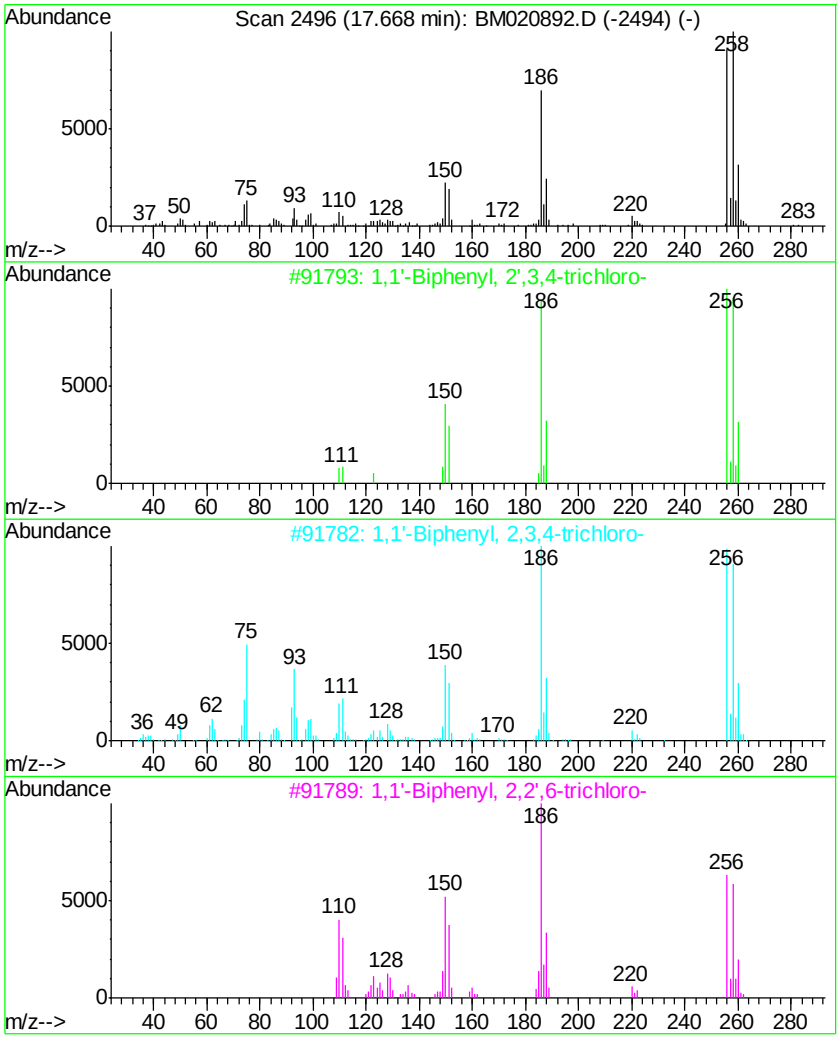
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

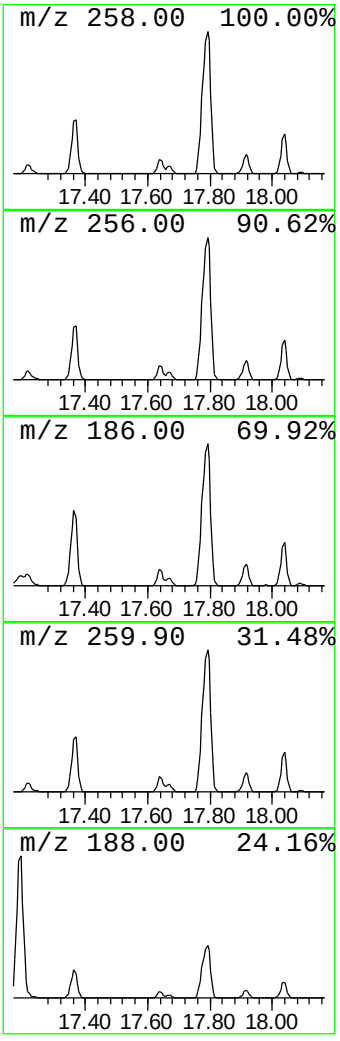
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	2.15 ng/ul	770775	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	96
2	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	95
3	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	95
4	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	95
5	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	94





Library Search Compound Report

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Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

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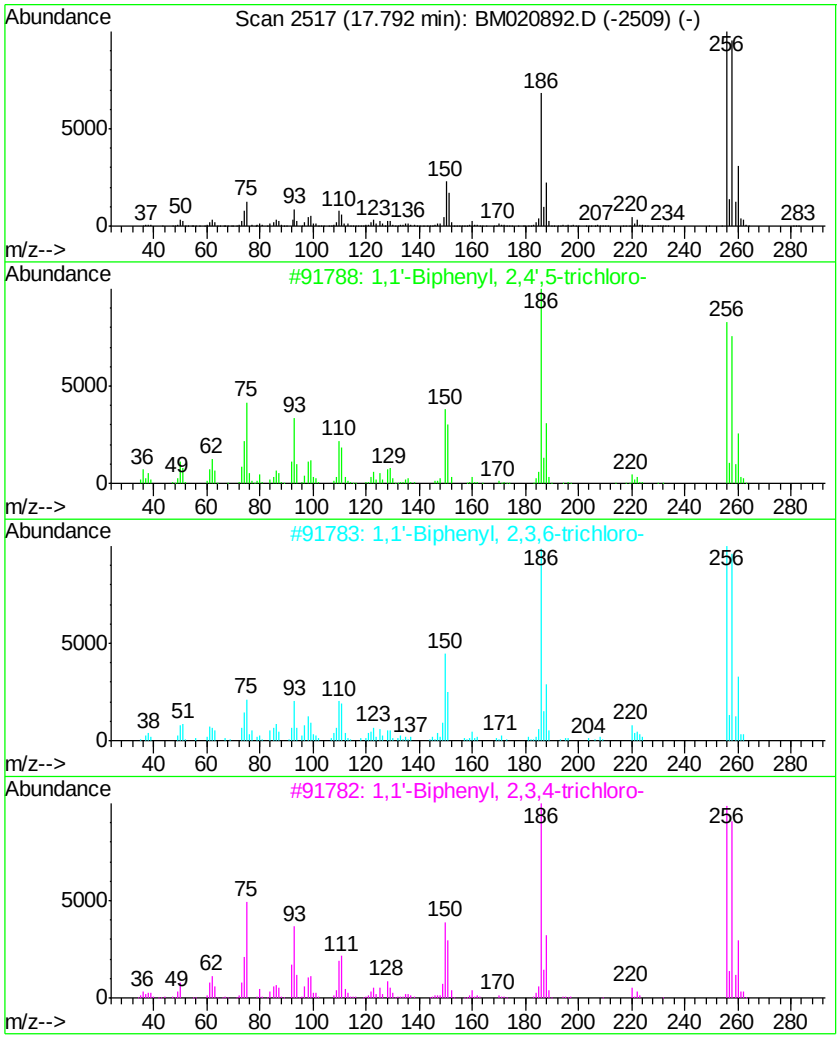
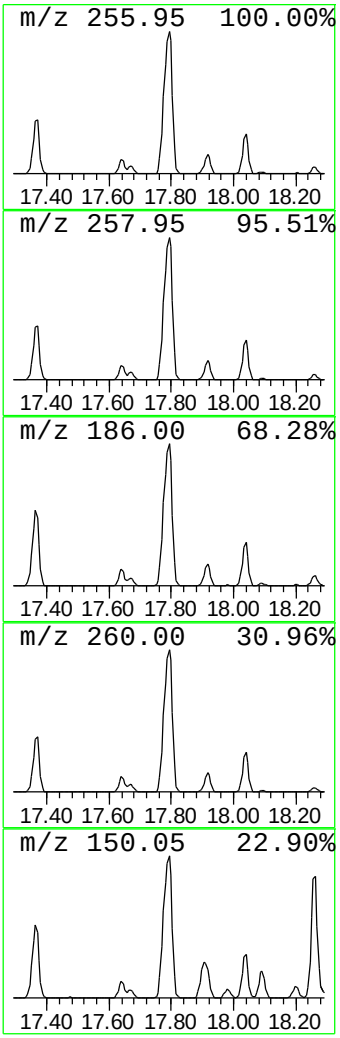
Peak Number 10 1,1'-Biphenyl, 2,3,6-trichl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	63.37 ng/ul	22705300	Phenanthrene-d10	17.19

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





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Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

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Quant Title : SVOA CALIBRATION

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

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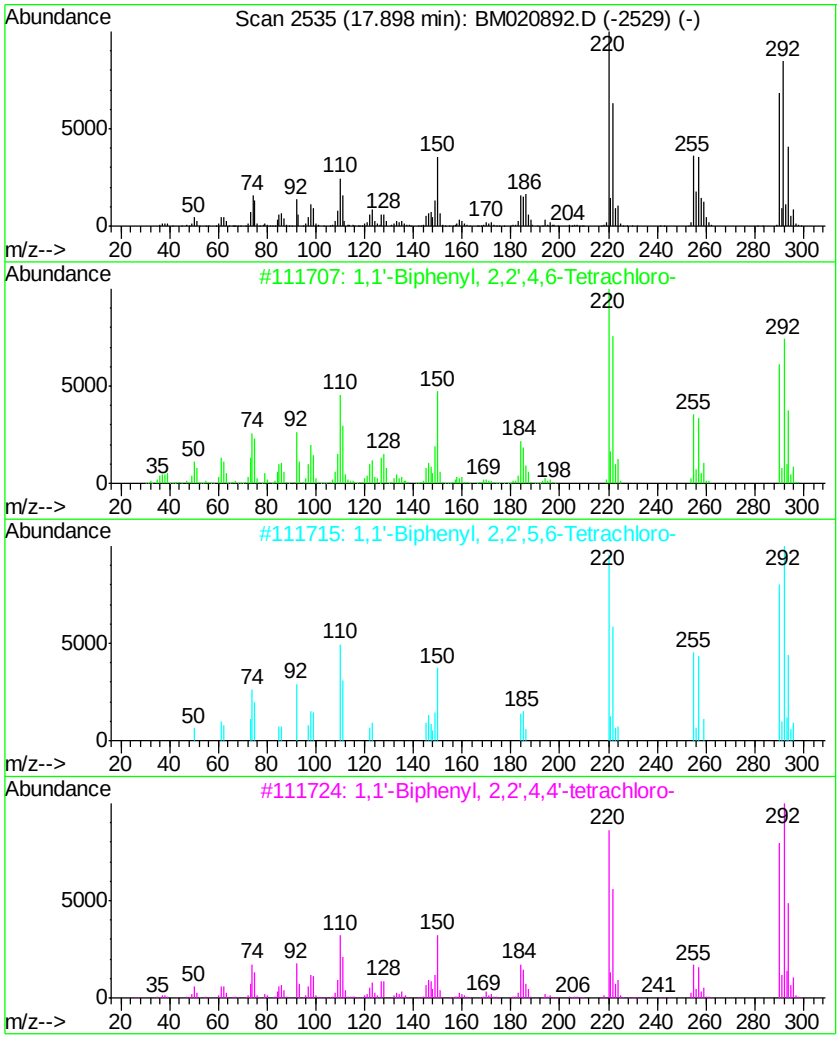
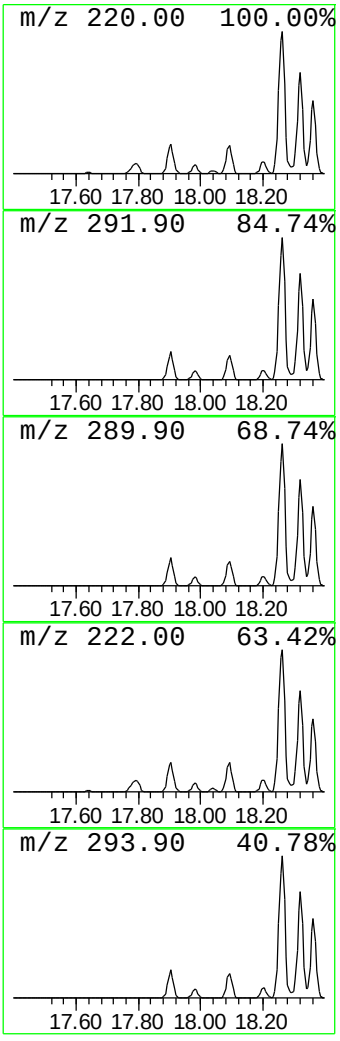
Peak Number 11 1,1'-Biphenyl, 2,2',4,6-Tet... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	16.01 ng/ul	5735210	Phenanthrene-d10	17.19

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





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Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

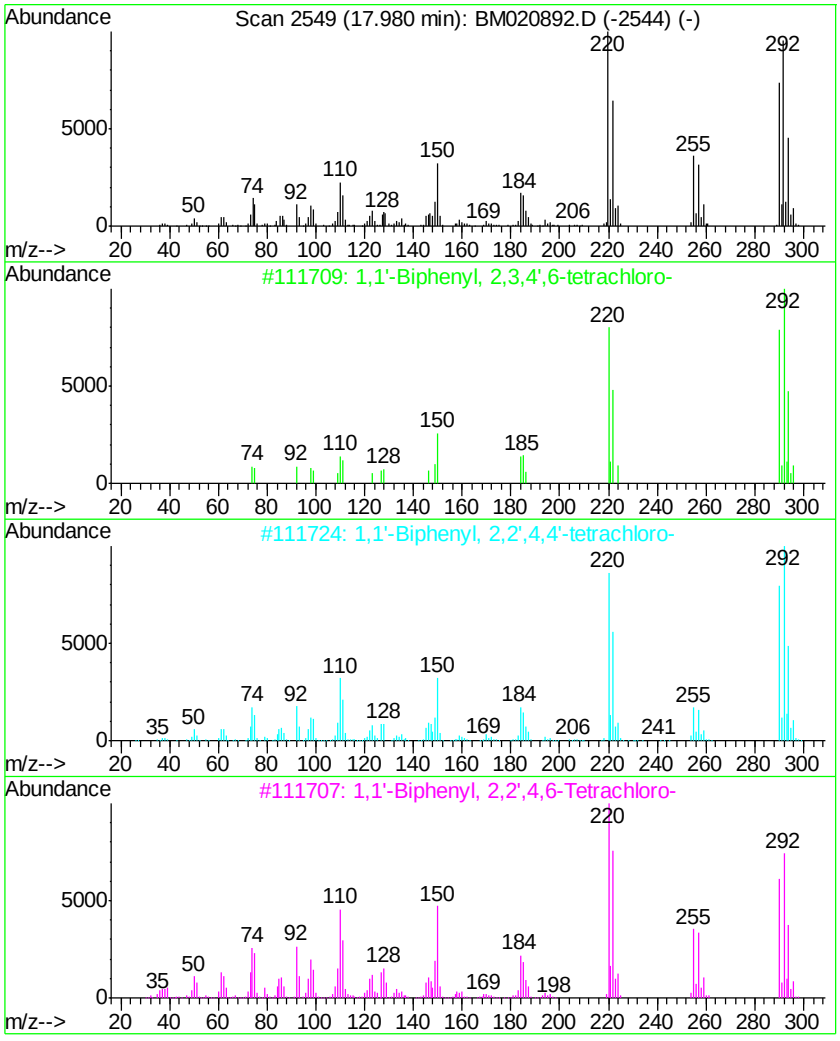
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

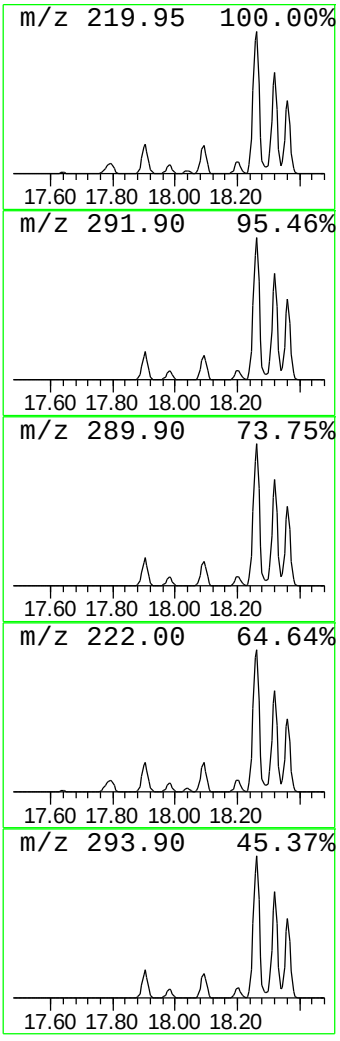
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	3.07 ng/ul	1100040	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
4	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
5	1,1'-Biphenyl, 2,3',4',6-tetrach...	290	C12H6Cl4	041464-46-4	99





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Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

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Quant Title : SVOA CALIBRATION

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

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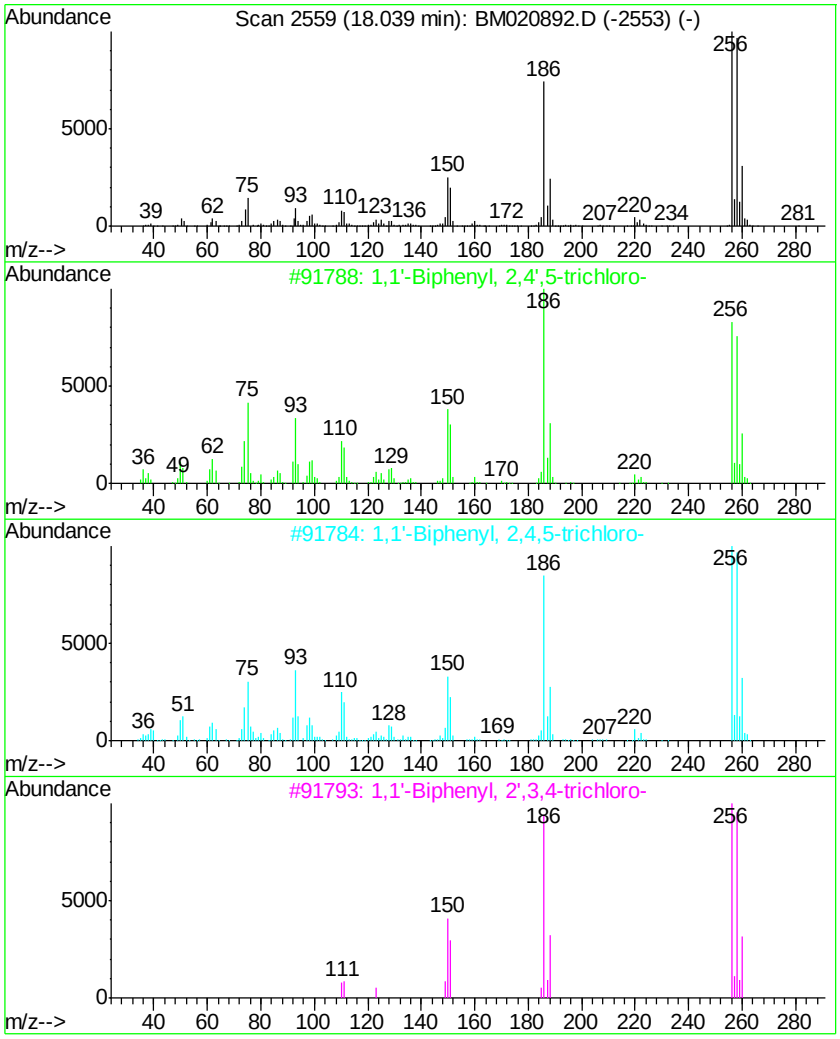
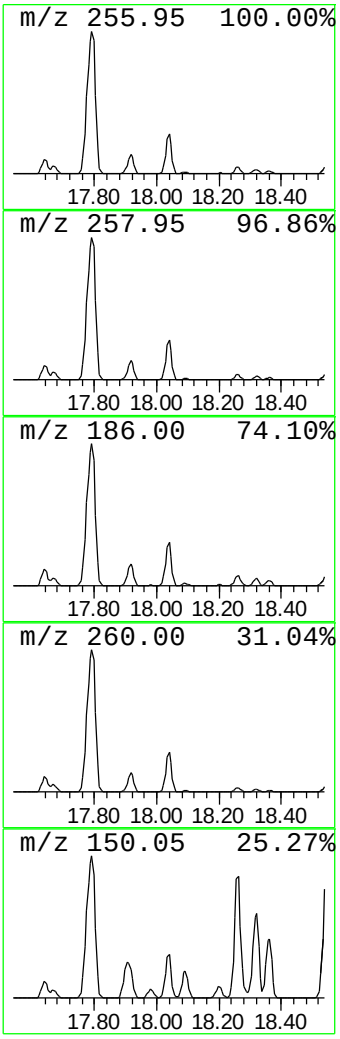
Peak Number 13 unknown-02 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	13.06 ng/ul	4681160	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
2	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	98
3	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98
4	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	97
5	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	97





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Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

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Quant Title : SVOA CALIBRATION

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

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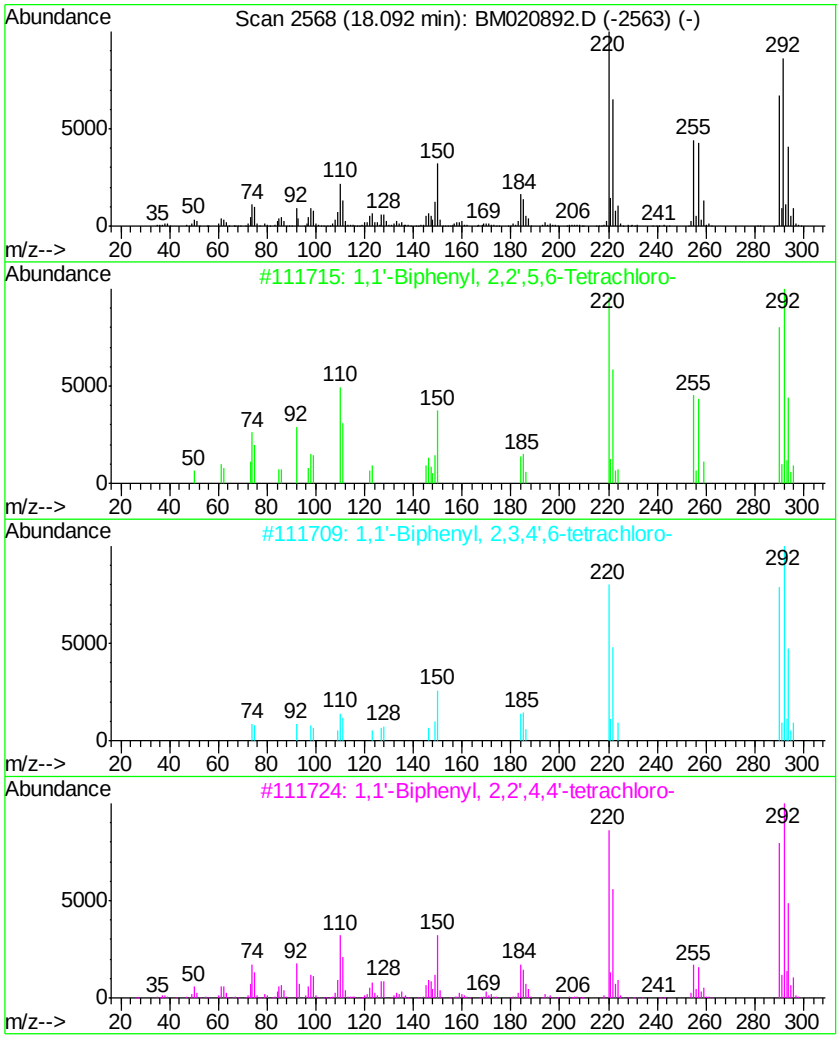
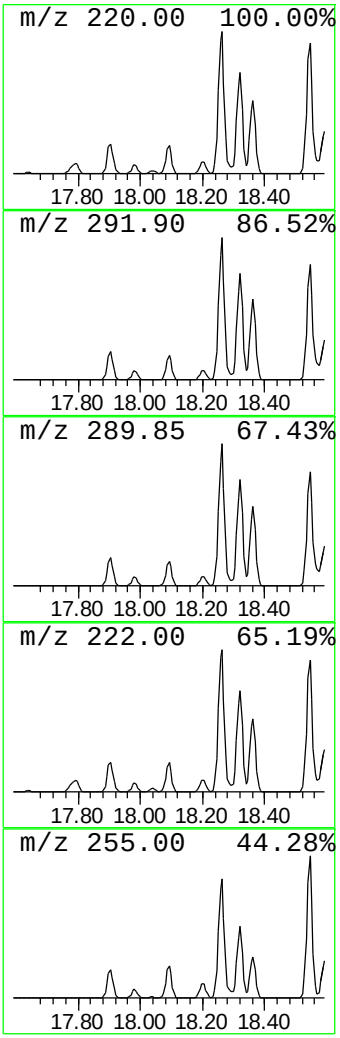
Peak Number 14 1,1'-Biphenyl, 2,2',5,6-Tet... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	9.52 ng/ul	3412440	Phenanthrene-d10	17.19

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, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	98





Library Search Compound Report

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Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

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Quant Title : SVOA CALIBRATION

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

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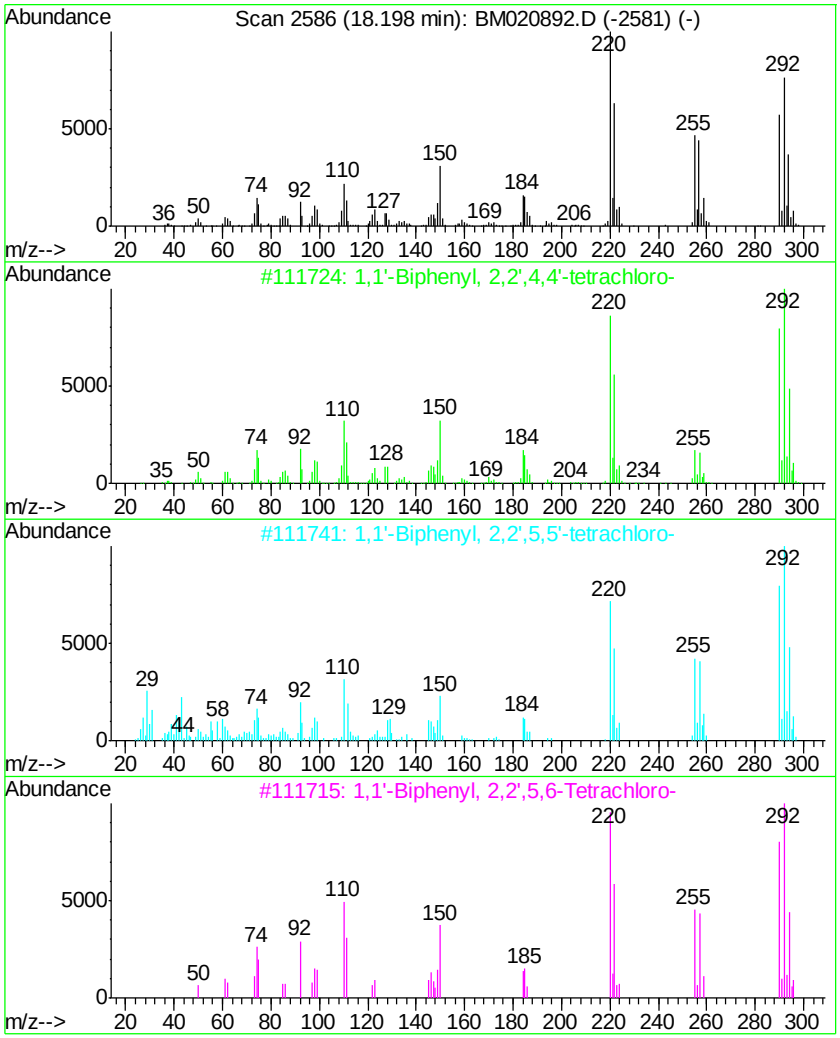
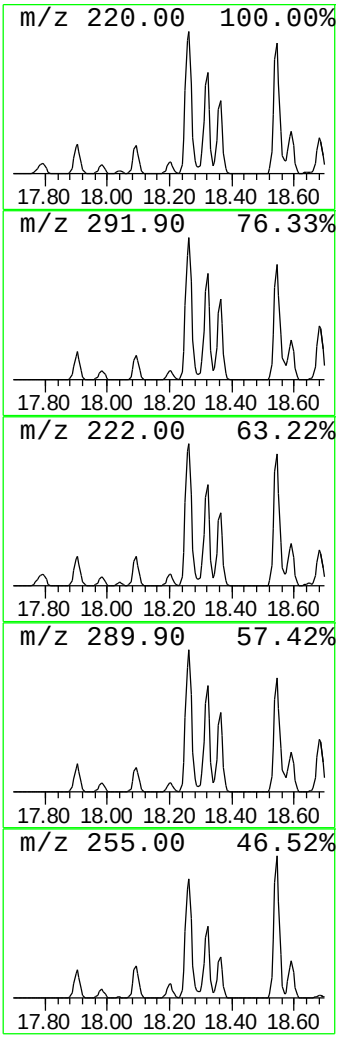
Peak Number 15 unknown-03 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	4.12 ng/ul	1474890	Phenanthrene-d10	17.19

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, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
5	1,1'-Biphenyl, 2,2',3,3'-tetrach...	290	C12H6Cl4	038444-93-8	99





Library Search Compound Report

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Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

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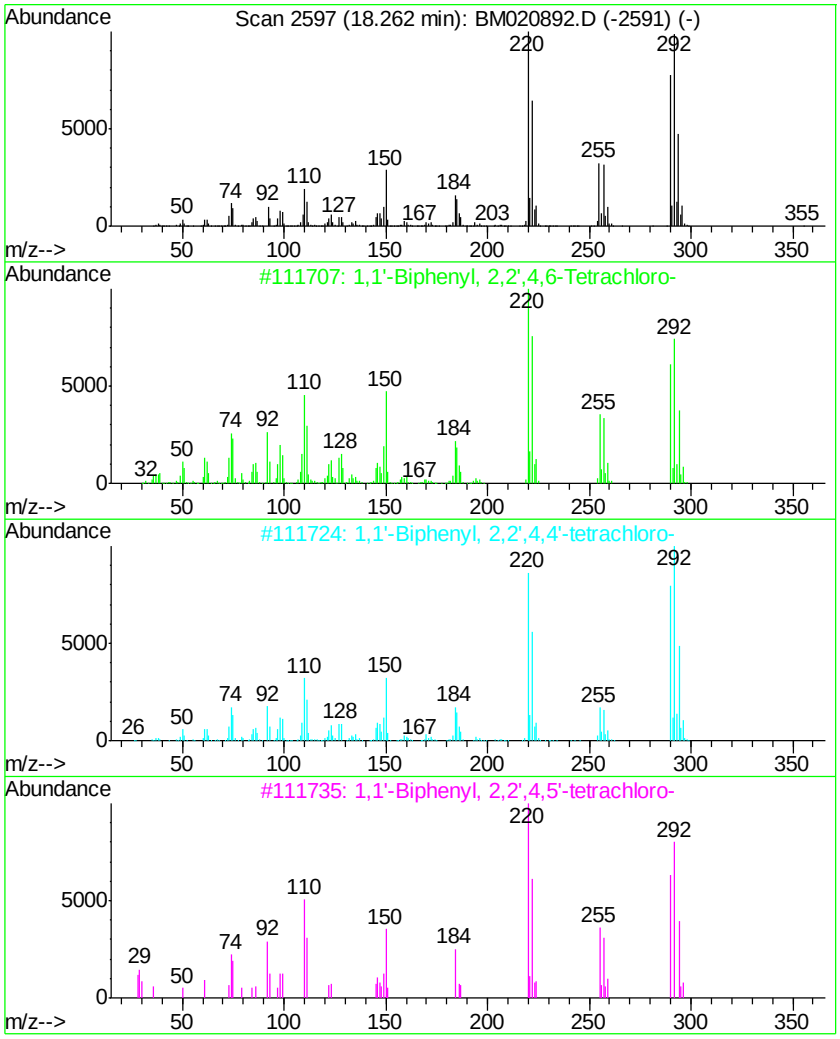
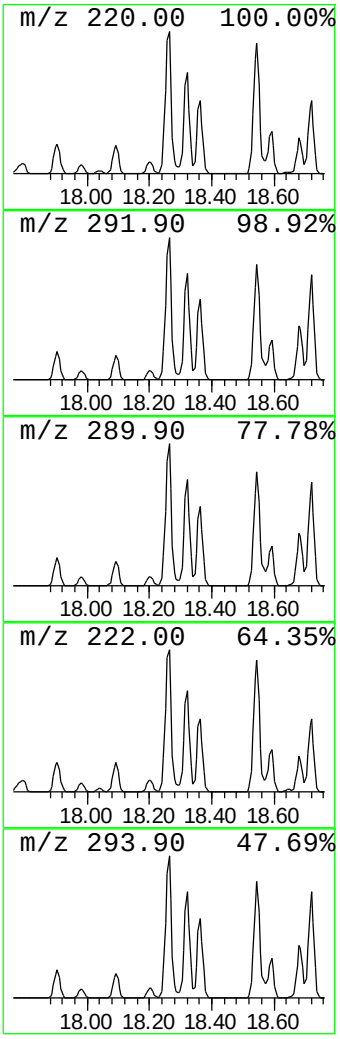
Peak Number 16 unknown-04 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	47.97 ng/ul	17187500	Phenanthrene-d10	17.19

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





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Acq On : 12 Jun 2019 01:55
Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

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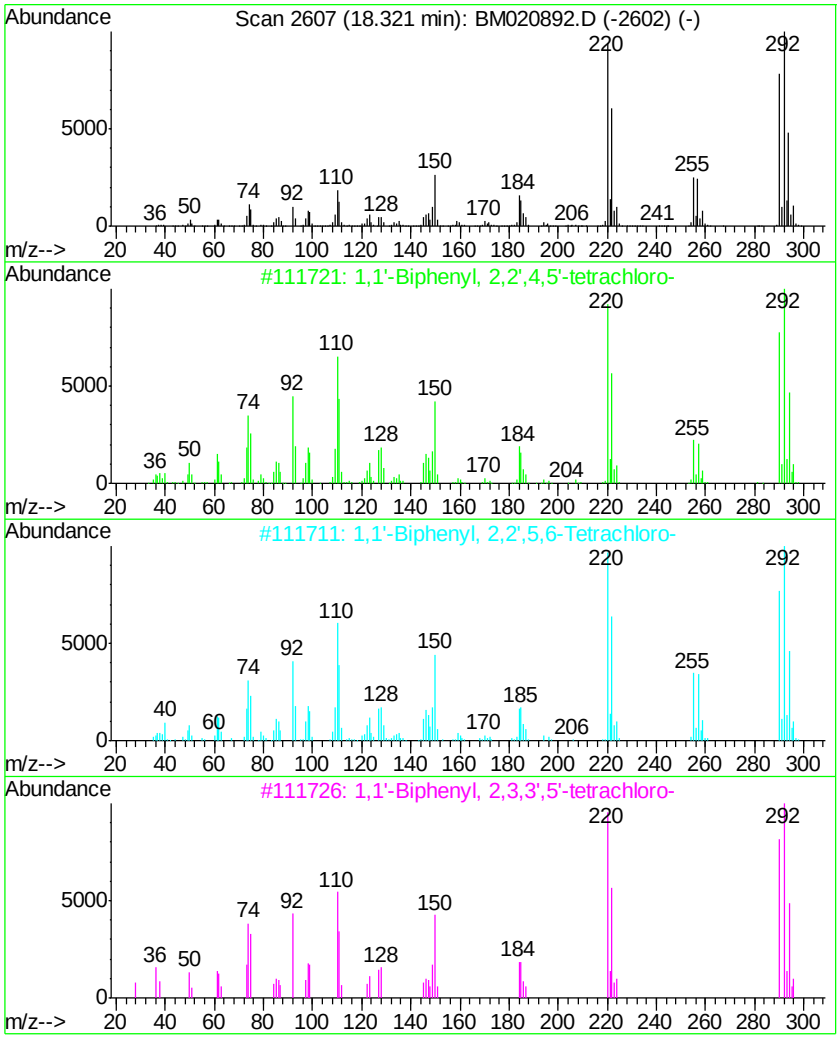
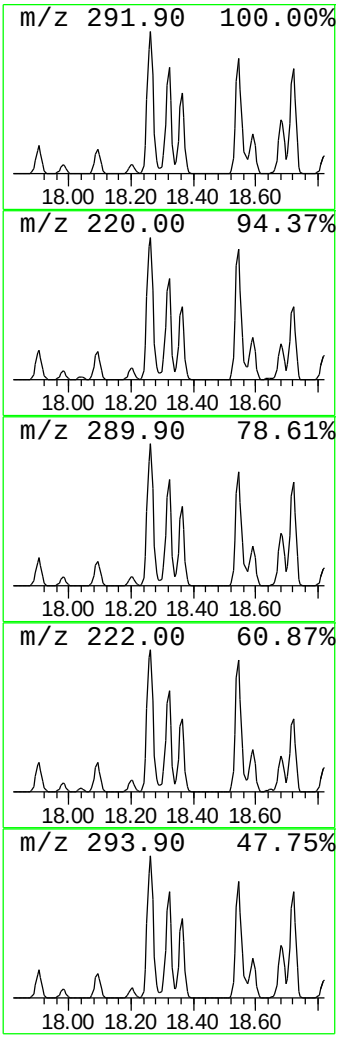
Peak Number 17 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	32.06 ng/ul	11487500	Phenanthrene-d10	17.19

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',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	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, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99





Library Search Compound Report

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Data File : BM020892.D
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Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

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Quant Title : SVOA CALIBRATION

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

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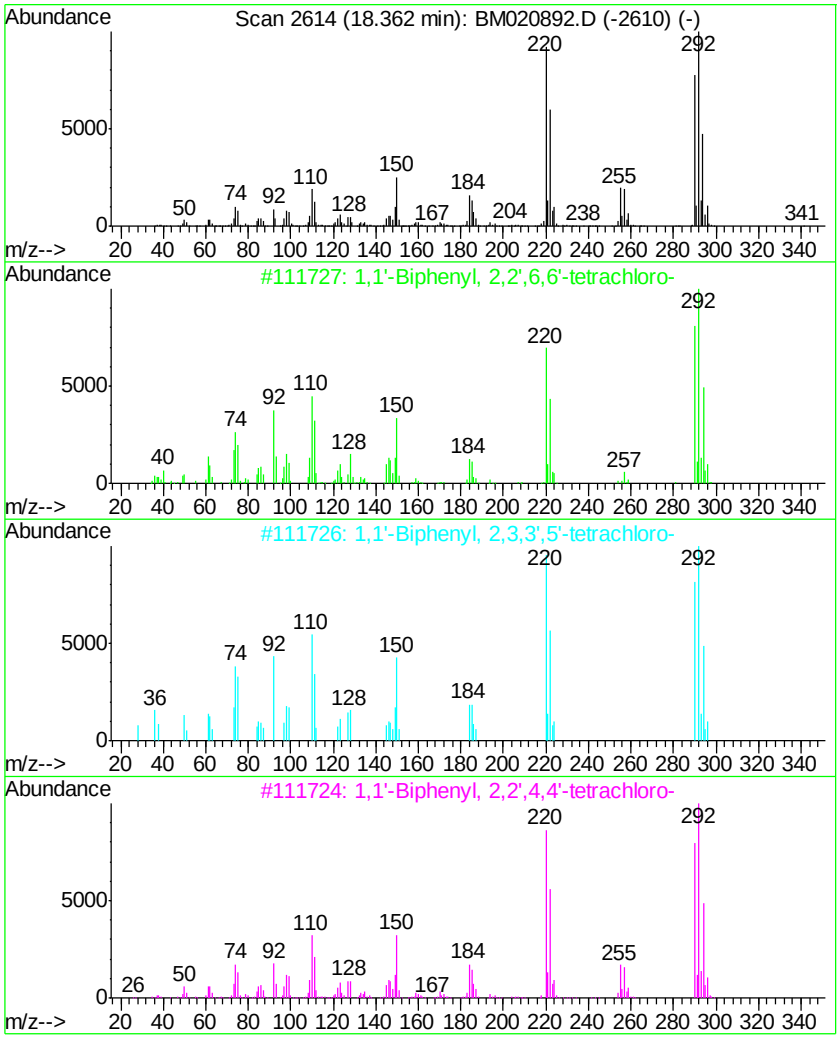
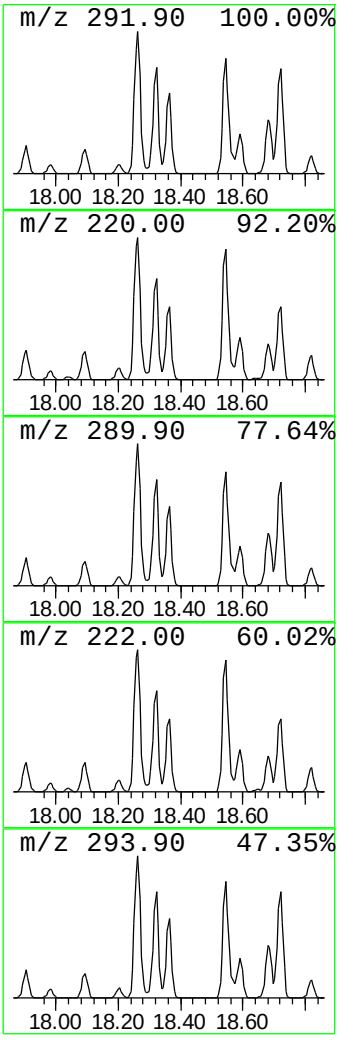
Peak Number 18 1,1'-Biphenyl, 2,2',6,6'-te... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	22.66 ng/ul	8118280	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
2	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	96





Library Search Compound Report

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Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

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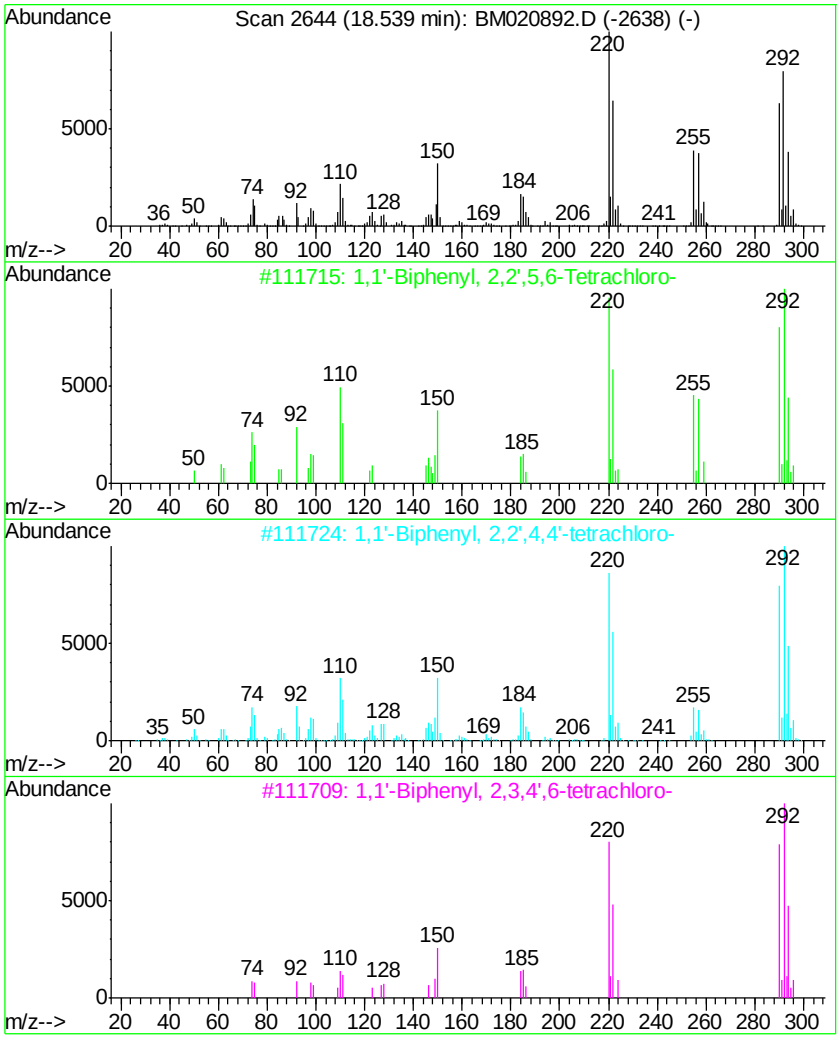
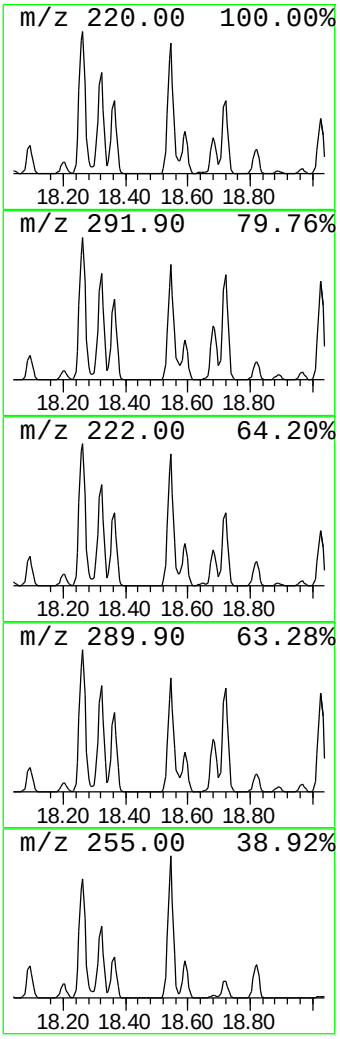
Peak Number 19 unknown-05 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	42.94 ng/ul	15385400	Phenanthrene-d10	17.19

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





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Acq On : 12 Jun 2019 01:55
Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

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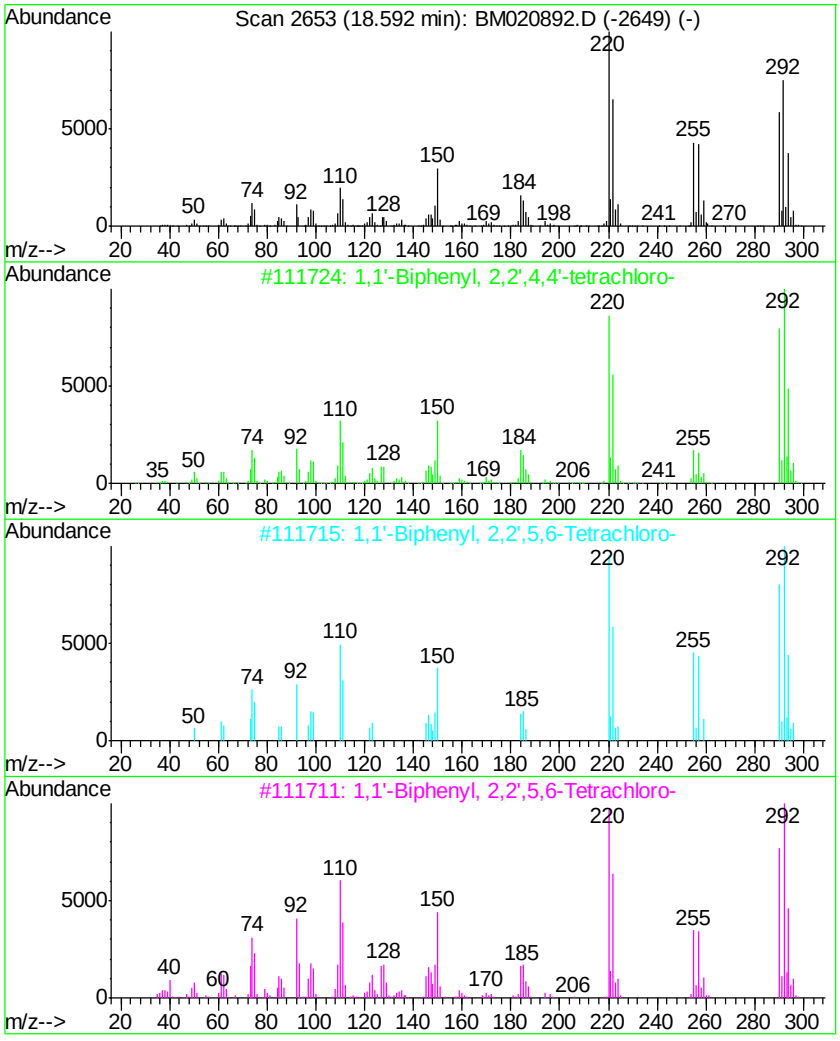
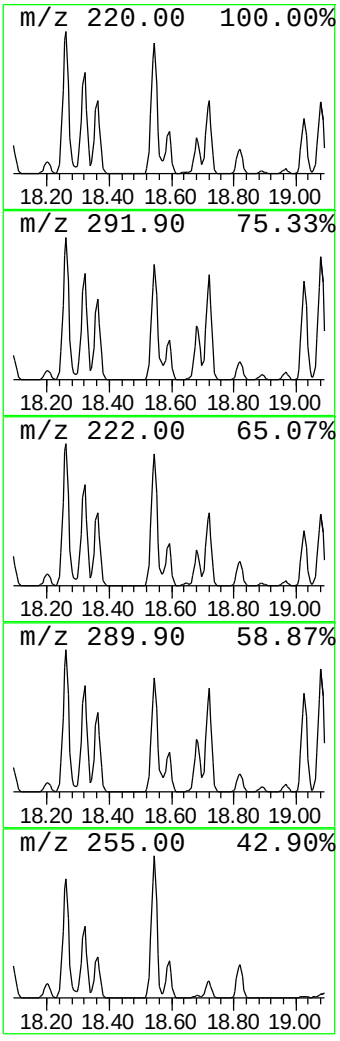
Peak Number 20 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	13.75 ng/ul	4926830	Phenanthrene-d10	17.19

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',5,6-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





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM061119\
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Acq On : 12 Jun 2019 01:55
Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

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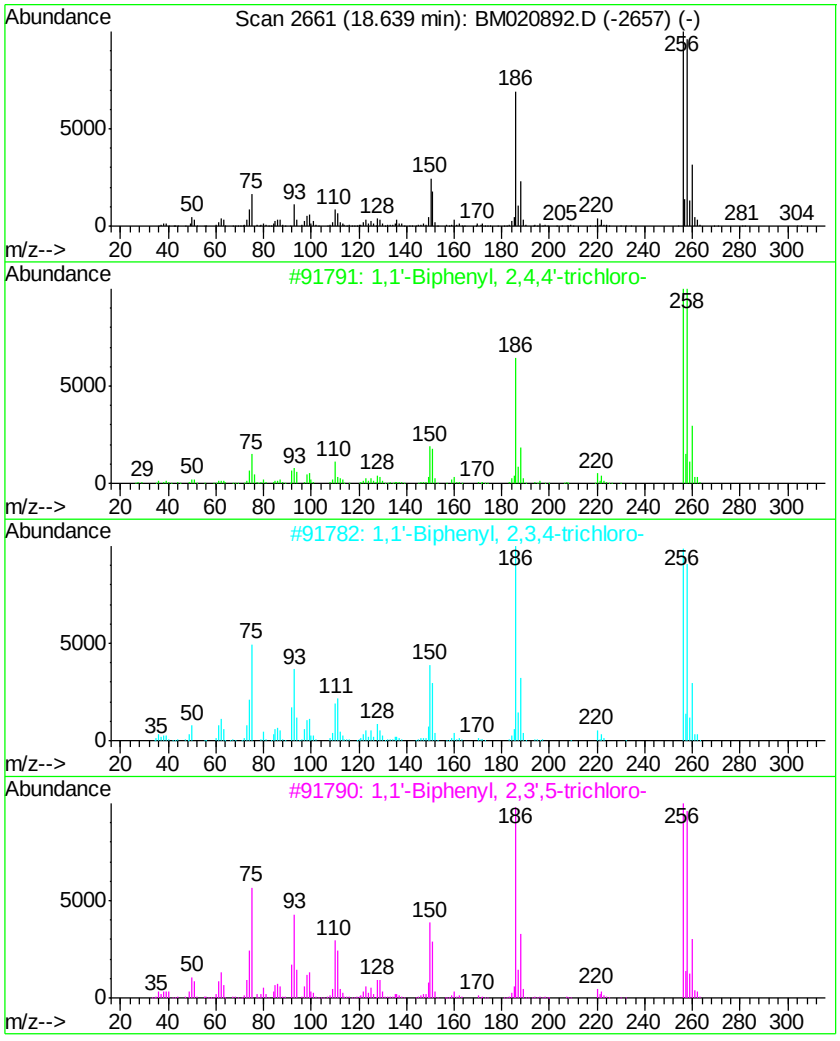
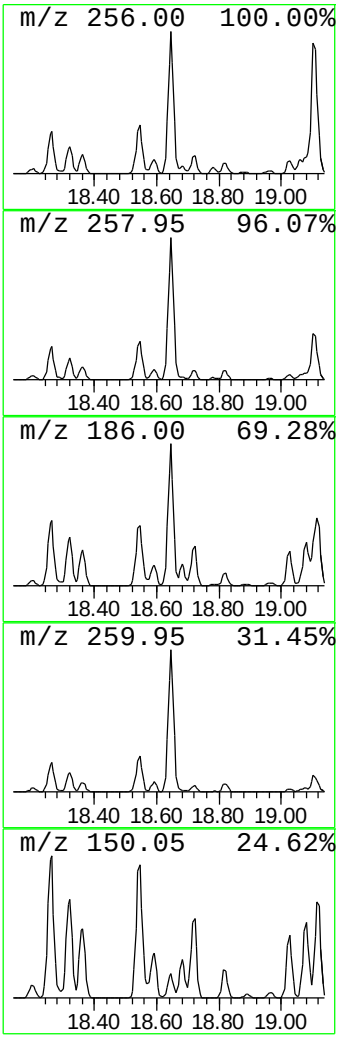
Peak Number 21 unknown-06 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	7.02 ng/ul	2514820	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
2	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	99
3	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99
4	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
5	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	98





Library Search Compound Report

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Data File : BM020892.D
Acq On : 12 Jun 2019 01:55
Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

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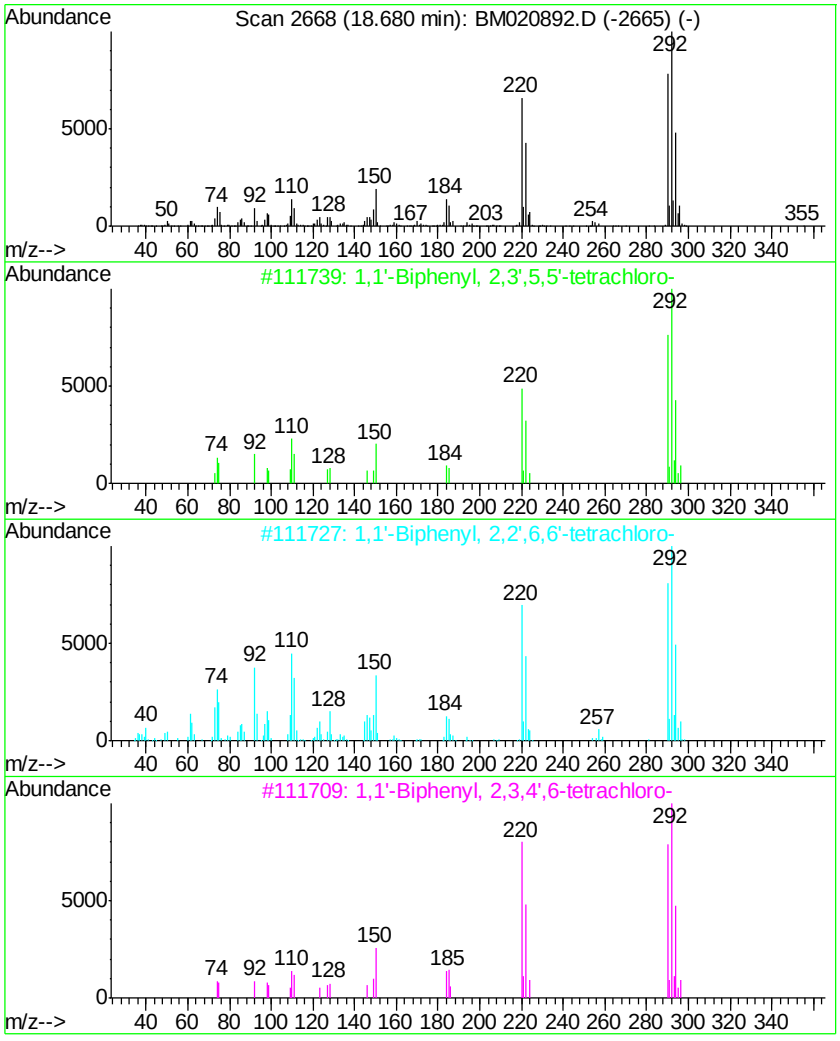
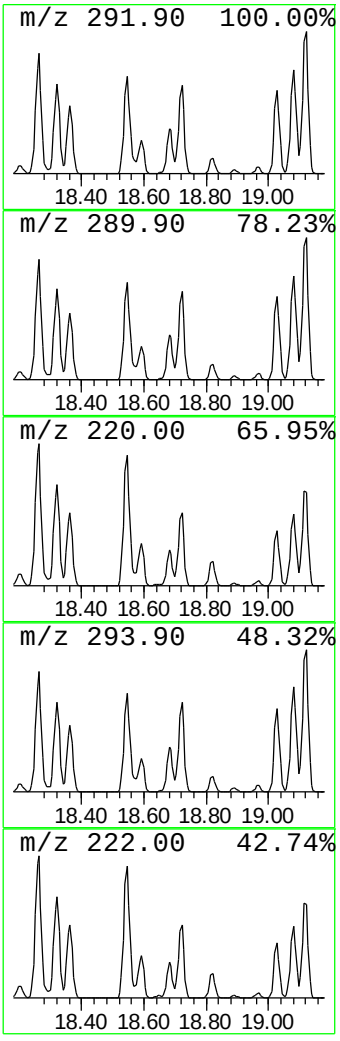
Peak Number 22 1,1'-Biphenyl, 2,3',5,5'-te... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	12.86 ng/ul	4606710	Phenanthrene-d10	17.19

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, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	96
4	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	96
5	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	96





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Acq On : 12 Jun 2019 01:55
Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

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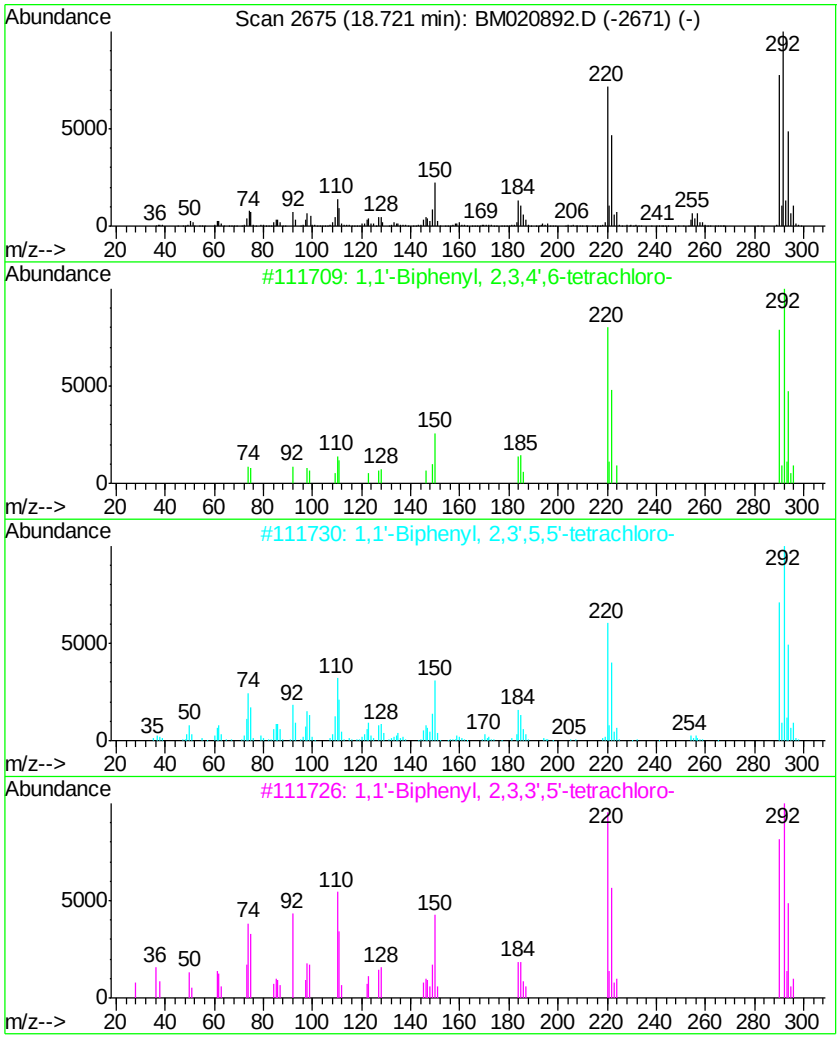
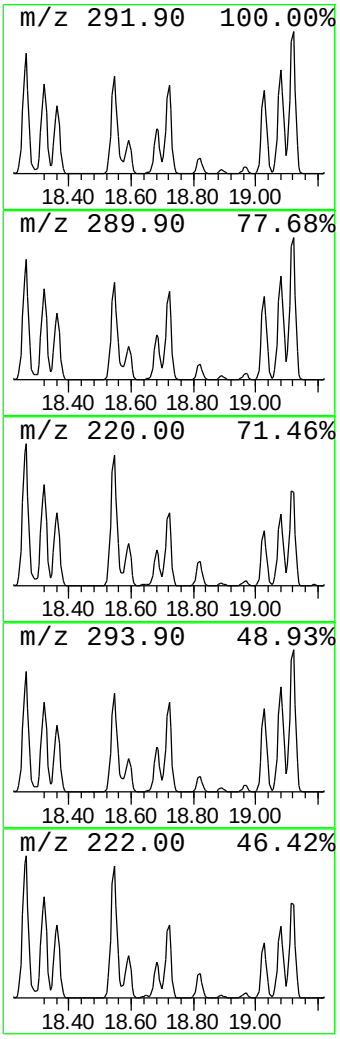
Peak Number 23 unknown-07 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	25.63 ng/ul	9183690	Phenanthrene-d10	17.19

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, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
3	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
4	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
5	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99





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Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

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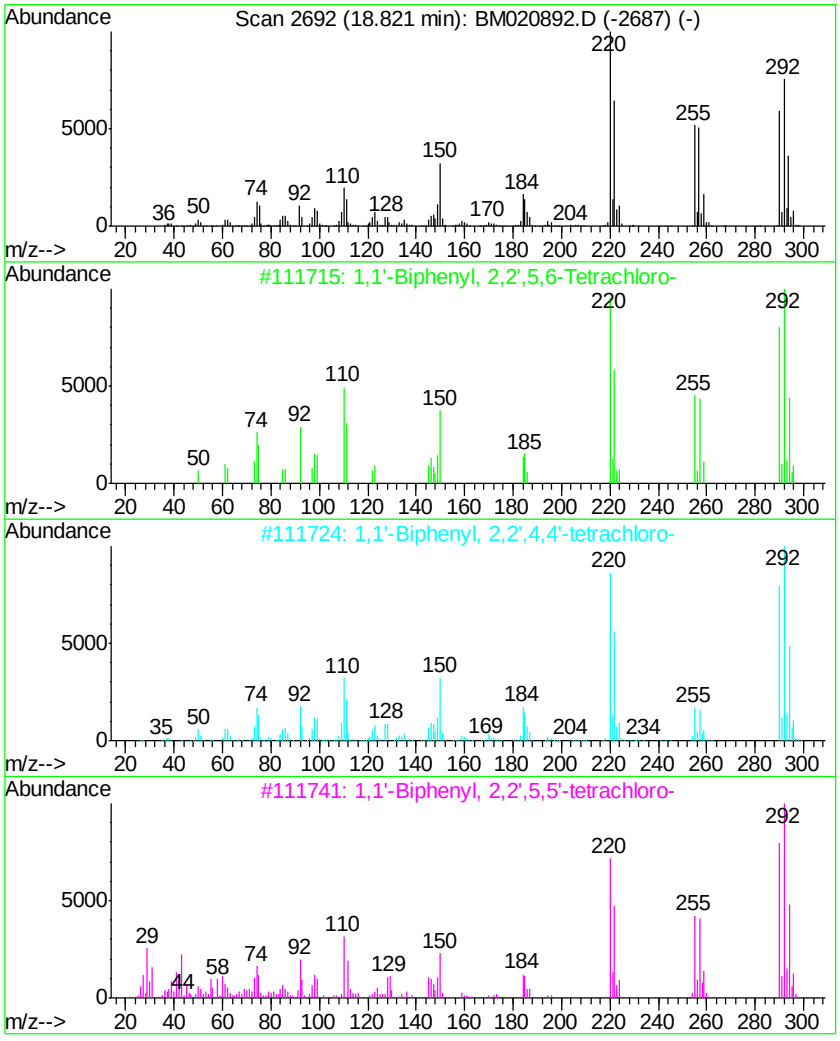
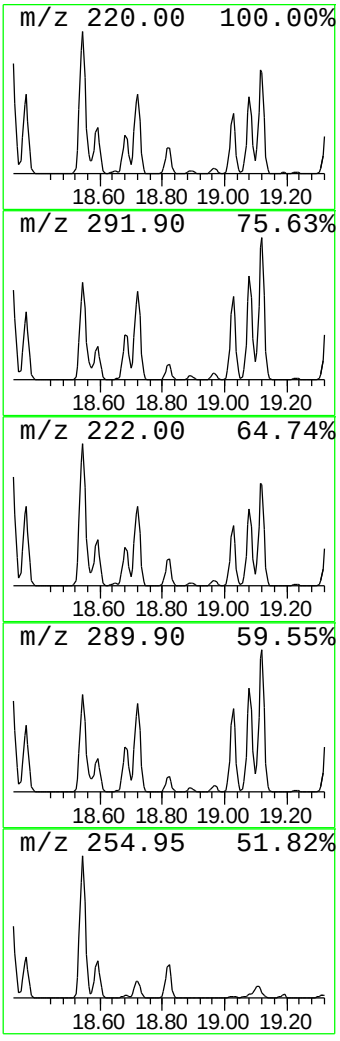
Peak Number 24 unknown-08 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	7.98 ng/ul	2858180	Phenanthrene-d10	17.19

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





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Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

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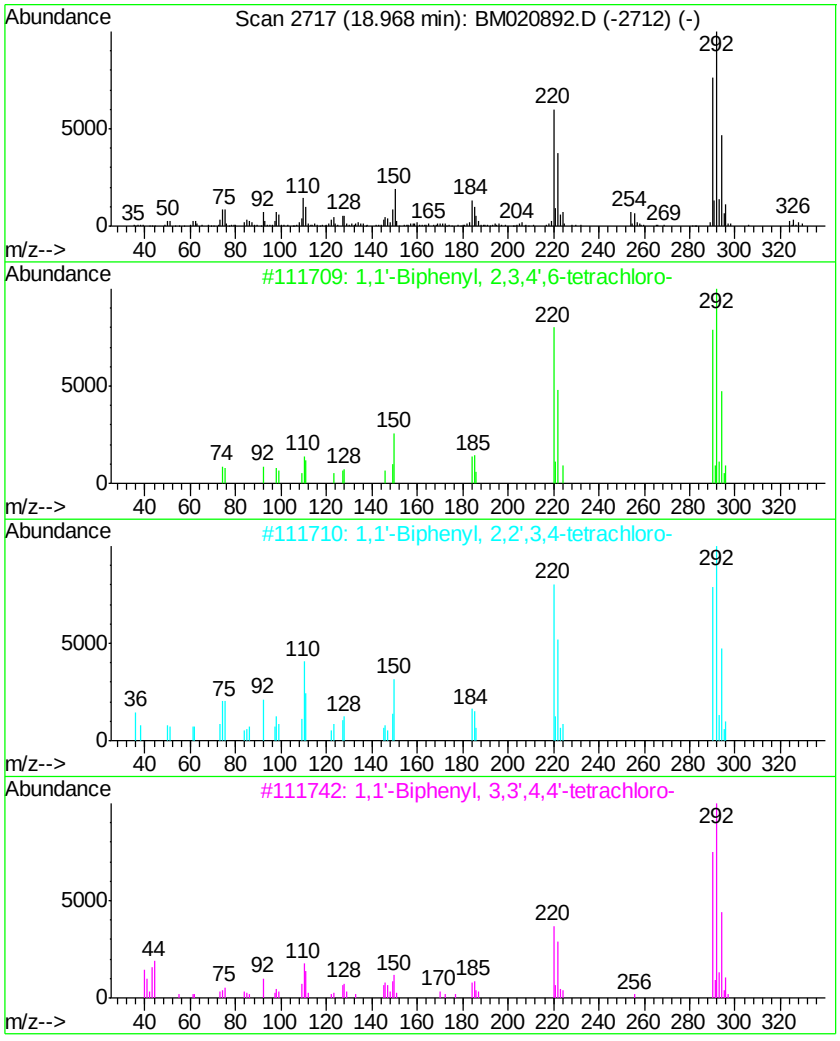
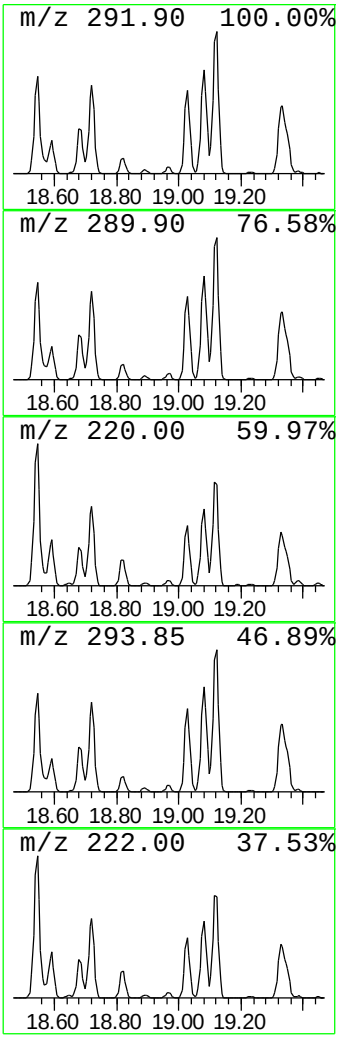
Peak Number 25 unknown-09 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	2.04 ng/ul	731706	Phenanthrene-d10	17.19

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',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
3	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
4	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
5	1,1'-Biphenyl, 2,3',4',6-tetrach...	290	C12H6Cl4	041464-46-4	99





Library Search Compound Report

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Acq On : 12 Jun 2019 01:55
Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

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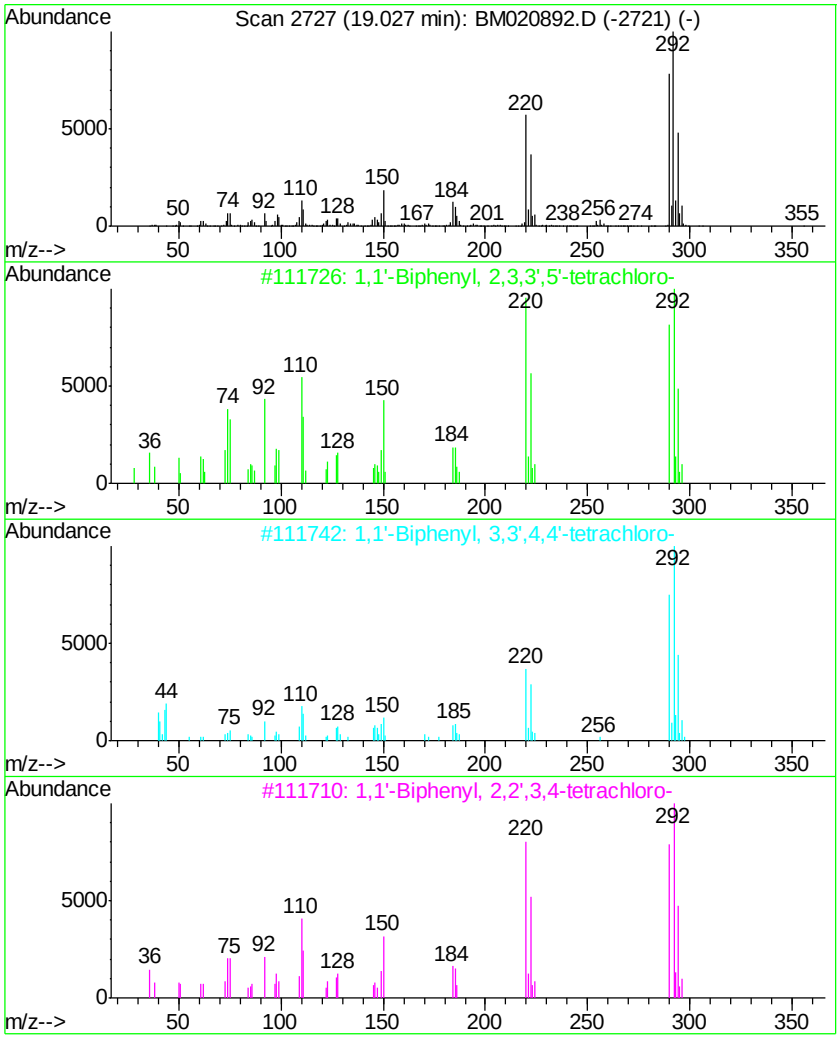
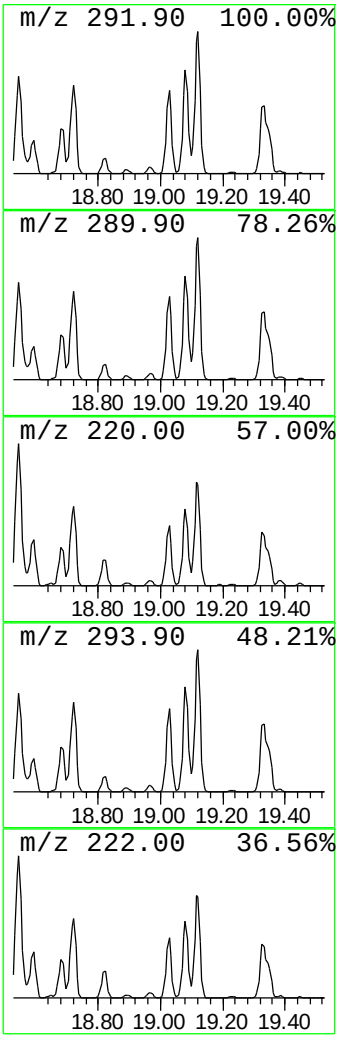
Peak Number 26 1,1'-Biphenyl, 2,3,3',5'-te... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	21.22 ng/ul	7601930	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
2	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
3	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
4	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
5	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM061119\
Data File : BM020892.D
Acq On : 12 Jun 2019 01:55
Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETND9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

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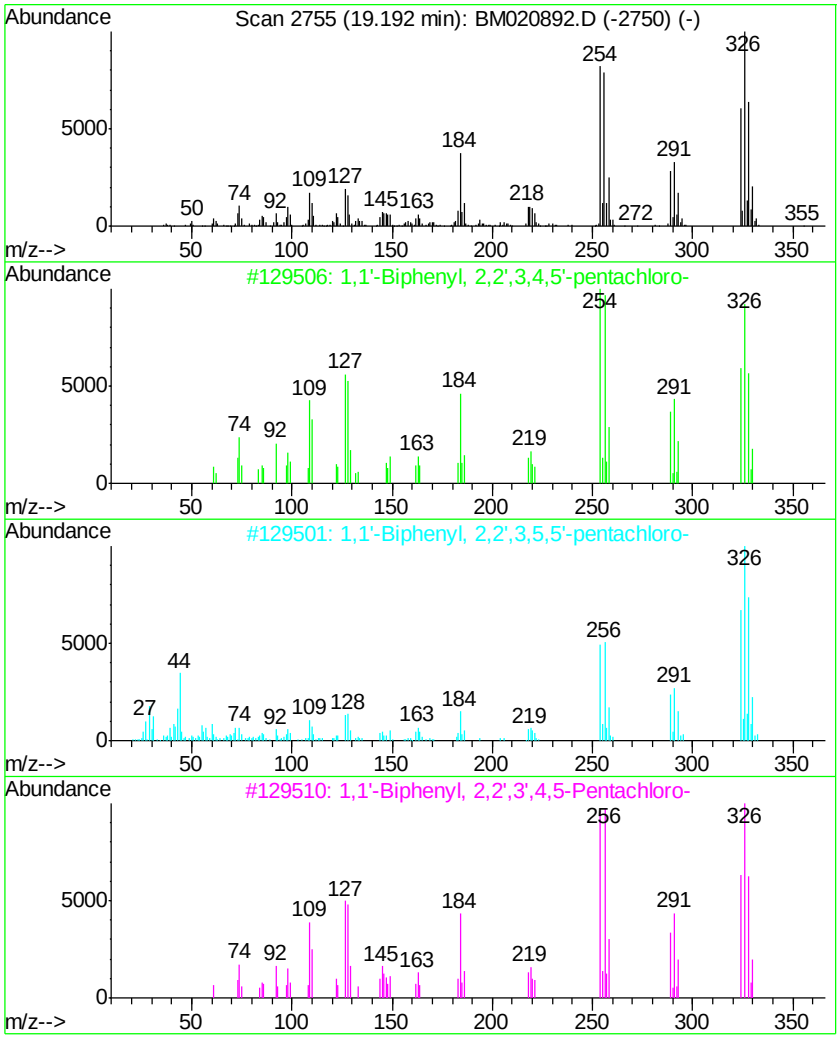
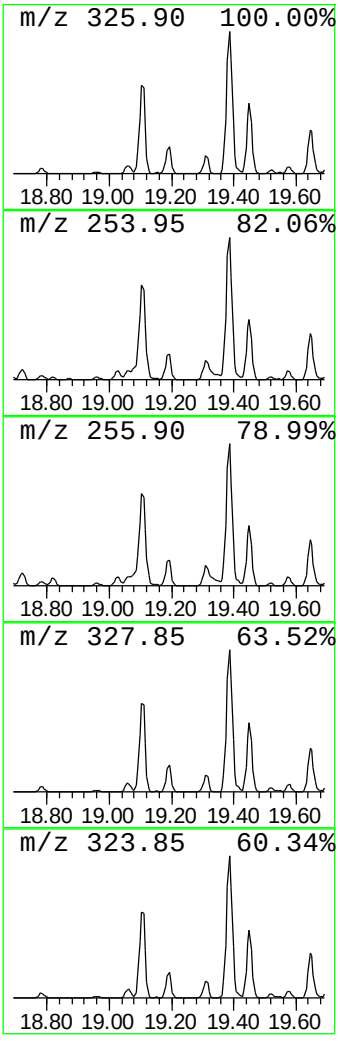
Peak Number 29 1,1'-Biphenyl, 2,2',3,4,5'-... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.19	3.54 ng/ul	1267680	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
2	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
3	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
4	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
5	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM061119\
Data File : BM020892.D
Acq On : 12 Jun 2019 01:55
Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

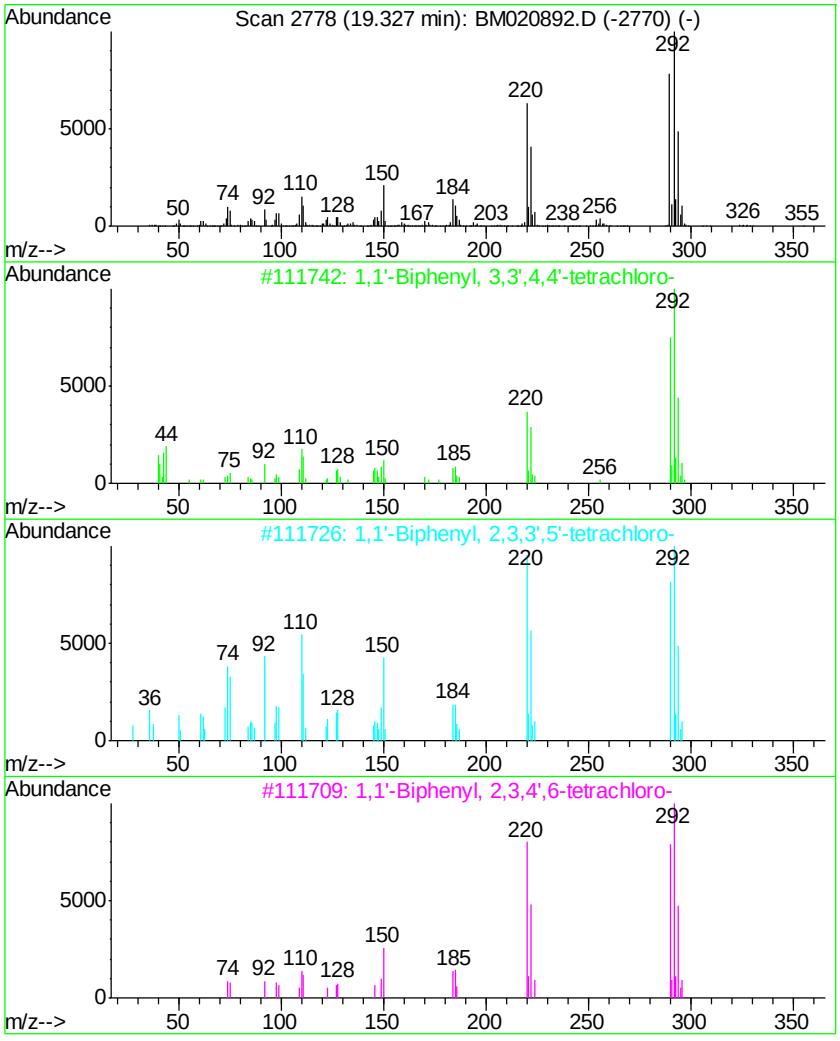
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

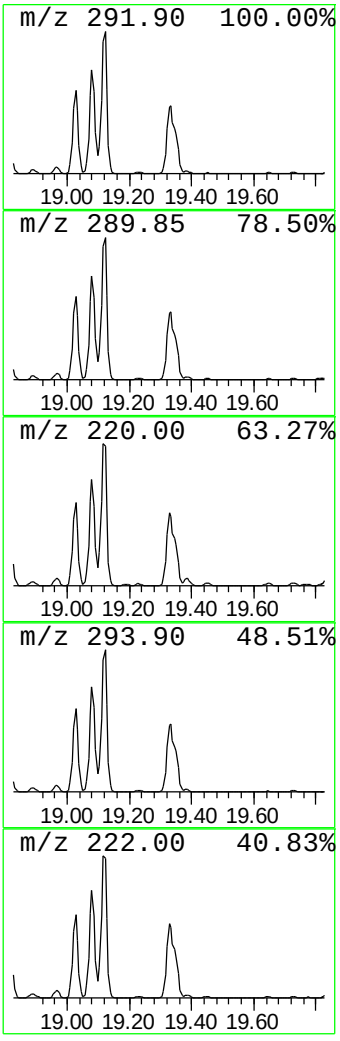
****

Peak Number 30 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.33	53.28 ng/ul	10951300	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, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
3	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
4	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM061119\
Data File : BM020892.D
Acq On : 12 Jun 2019 01:55
Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

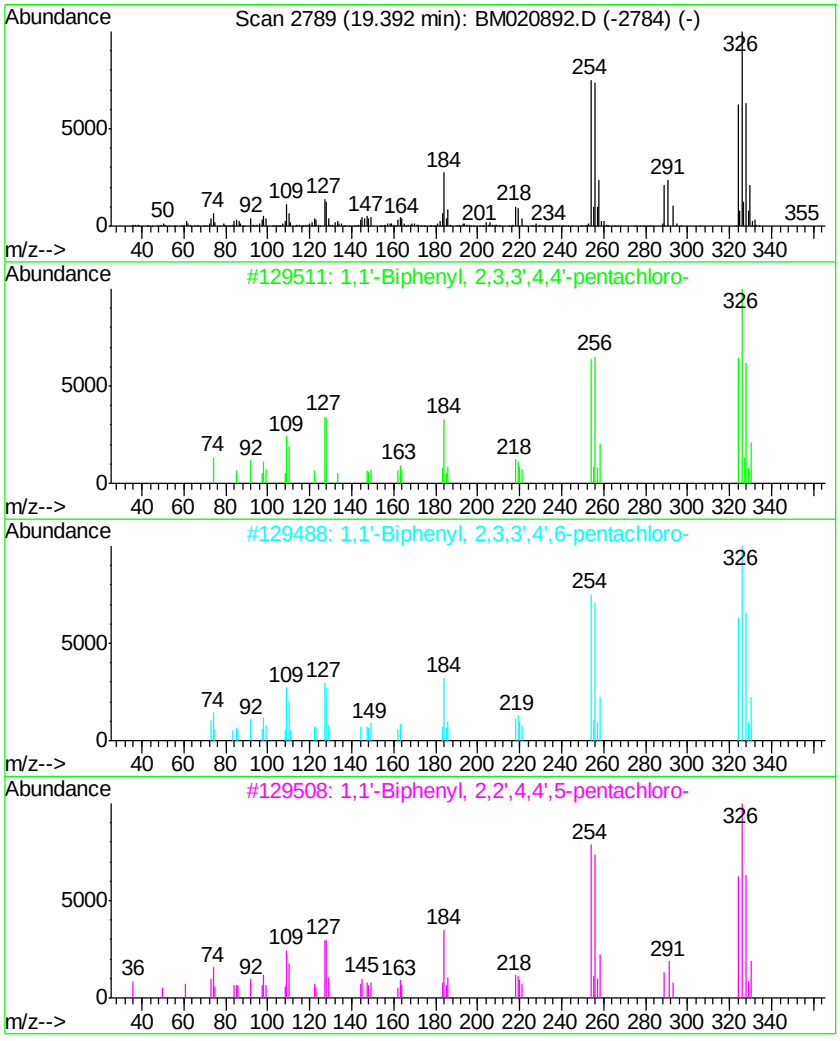
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

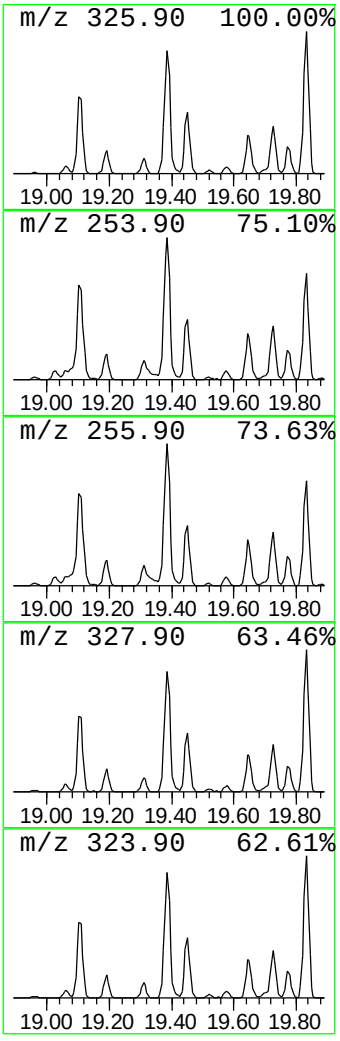
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 1,1'-Biphenyl, 2,3,3',4,4'-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	35.12 ng/ul	7219400	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
2	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
3	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
4	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	98
5	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	98





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM061119\
Data File : BM020892.D
Acq On : 12 Jun 2019 01:55
Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

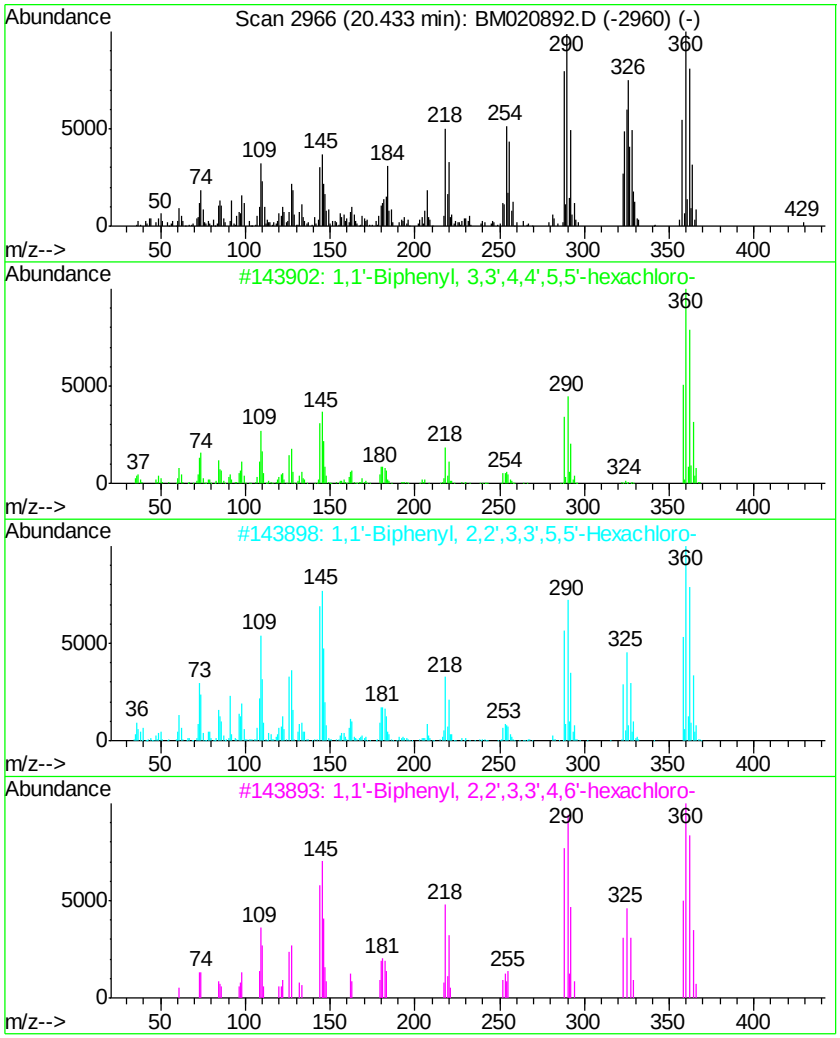
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

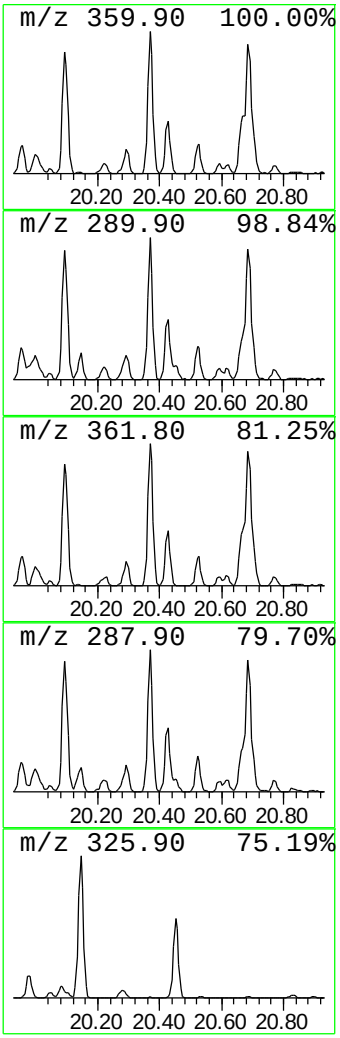
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.43	2.37 ng/ul	486781	Chrysene-d12	21.36

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',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	99
3	1,1'-Biphenyl, 2,2',3,3',4,6'-he...	358	C12H4Cl6	038380-05-1	99
4	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
5	1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	99





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM061119\
Data File : BM020892.D
Acq On : 12 Jun 2019 01:55
Operator : HP/JU
Sample : K3199-17
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETND9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.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...	3.22	5.5	ng/ul	550513	1	7.80	2017720	20.0
1,1'-Biphenyl, 2,...	15.70	10.7	ng/ul	2278530	3	14.45	4268020	20.0
1,1'-Biphenyl, 3,...	16.42	3.5	ng/ul	1241490	4	17.19	7166310	20.0
1,1'-Biphenyl, 2,...	16.72	6.2	ng/ul	2236630	4	17.19	7166310	20.0
1,1'-Biphenyl, 3,...	17.07	25.4	ng/ul	9098500	4	17.19	7166310	20.0
1,1'-Biphenyl, 2,...	17.10	11.6	ng/ul	4153700	4	17.19	7166310	20.0
unknown-01	17.36	22.7	ng/ul	8144740	4	17.19	7166310	20.0
1,1'-Biphenyl, 2,...	17.64	5.0	ng/ul	1794030	4	17.19	7166310	20.0
1,1'-Biphenyl, 2'...	17.67	2.1	ng/ul	770775	4	17.19	7166310	20.0
1,1'-Biphenyl, 2,...	17.79	63.4	ng/ul	22705300	4	17.19	7166310	20.0
1,1'-Biphenyl, 2,...	17.90	16.0	ng/ul	5735210	4	17.19	7166310	20.0
1,1'-Biphenyl, 2,...	17.98	3.1	ng/ul	1100040	4	17.19	7166310	20.0
unknown-02	18.04	13.1	ng/ul	4681160	4	17.19	7166310	20.0
1,1'-Biphenyl, 2,...	18.09	9.5	ng/ul	3412440	4	17.19	7166310	20.0
unknown-03	18.20	4.1	ng/ul	1474890	4	17.19	7166310	20.0
unknown-04	18.26	48.0	ng/ul	17187500	4	17.19	7166310	20.0
1,1'-Biphenyl, 2,...	18.32	32.1	ng/ul	11487500	4	17.19	7166310	20.0
1,1'-Biphenyl, 2,...	18.36	22.7	ng/ul	8118280	4	17.19	7166310	20.0
unknown-05	18.54	42.9	ng/ul	15385400	4	17.19	7166310	20.0
1,1'-Biphenyl, 2,...	18.59	13.8	ng/ul	4926830	4	17.19	7166310	20.0
unknown-06	18.64	7.0	ng/ul	2514820	4	17.19	7166310	20.0
1,1'-Biphenyl, 2,...	18.68	12.9	ng/ul	4606710	4	17.19	7166310	20.0
unknown-07	18.72	25.6	ng/ul	9183690	4	17.19	7166310	20.0
unknown-08	18.82	8.0	ng/ul	2858180	4	17.19	7166310	20.0
unknown-09	18.97	2.0	ng/ul	731706	4	17.19	7166310	20.0
1,1'-Biphenyl, 2,...	19.03	21.2	ng/ul	7601930	4	17.19	7166310	20.0
1,1'-Biphenyl, 2,...	19.19	3.5	ng/ul	1267680	4	17.19	7166310	20.0
1,1'-Biphenyl, 3,...	19.33	53.3	ng/ul	10951300	5	21.36	4110840	20.0
1,1'-Biphenyl, 2,...	19.39	35.1	ng/ul	7219400	5	21.36	4110840	20.0
1,1'-Biphenyl, 3,...	20.43	2.4	ng/ul	486781	5	21.36	4110840	20.0