LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120418\
Data File : BM017897.D
Acq On : 04 Dec 2018 05:08
Operator : JU/SJ
Sample : J6045-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4T9

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.093	15	18	25	rVB	379129	397646	3.35%	0.435%
2	7.575	771	780	799	rBV	654080	1149278	9.67%	1.257%
3	10.345	1243	1251	1256	rBV	935978	1675801	14.10%	1.834%
4	10.392	1256	1259	1271	rVB	173205	327372	2.75%	0.358%
5	12.028	1529	1537	1551	rBV	78130	196838	1.66%	0.215%
6	12.245	1567	1574	1588	rVB	91183	182850	1.54%	0.200%
7	13.398	1761	1770	1778	rBV6	39469	114997	0.97%	0.126%
8	13.545	1788	1795	1800	rBV2	87971	165302	1.39%	0.181%
9	13.598	1800	1804	1814	rVB3	56202	96255	0.81%	0.105%
10	13.780	1831	1835	1838	rBV	45885	66715	0.56%	0.073%
11	14.222	1902	1910	1917	rBV2	1546978	2468406	20.77%	2.701%
12	14.286	1917	1921	1933	rVB	441975	676226	5.69%	0.740%
13	14.539	1957	1964	1970	rVB4	38188	59632	0.50%	0.065%
14	14.627	1970	1979	1989	rBV	393919	658993	5.54%	0.721%
15	15.027	2039	2047	2049	rBV4	27208	60777	0.51%	0.066%
16	15.280	2084	2090	2103	rVV	778049	1167461	9.82%	1.277%
17	15.404	2103	2111	2114	rVV2	56102	101018	0.85%	0.111%
18	15.445	2114	2118	2122	rVV2	113416	174367	1.47%	0.191%
19	15.492	2122	2126	2130	rVV2	166857	244069	2.05%	0.267%
20	15.533	2130	2133	2136	rVV2	56487	79701	0.67%	0.087%
21	15.580	2136	2141	2148	rVB	170277	266745	2.24%	0.292%
22	15.727	2159	2166	2174	rBV	165600	375437	3.16%	0.411%
23	15.816	2174	2181	2187	rVB3	42909	91097	0.77%	0.100%
24	15.974	2200	2208	2213	rVB8	22476	58695	0.49%	0.064%
25	16.092	2219	2228	2233	rBV7	26229	65498	0.55%	0.072%
26	16.292	2255	2262	2267	rVV2	135625	253640	2.13%	0.278%
27	16.339	2267	2270	2275	rVB	64854	77728	0.65%	0.085%
28	16.439	2281	2287	2292	rVB4	54089	95557	0.80%	0.105%
29	16.516	2292	2300	2304	rBV2	495915	732603	6.16%	0.802%
30	16.557	2304	2307	2311	rVB2	69713	81064	0.68%	0.089%
31	16.716	2329	2334	2336	rBV4	86129	140339	1.18%	0.154%
32	16.804	2344	2349	2357	rVB	423247	646818	5.44%	0.708%
33	16.898	2361	2365	2370	rVB	59788	80444	0.68%	0.088%
34	16.980	2373	2379	2382	rBV	1855842	2773106	23.33%	3.034%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120418\
Data File : BM017897.D
Acq On : 04 Dec 2018 05:08
Operator : JU/SJ
Sample : J6045-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4T9

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

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

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

35	17.027	2382	2387	2395	rVV	8525758	11583683	97.45%	12.674%
36	17.116	2396	2402	2407	rVV	889871	1236029	10.40%	1.352%
37	17.163	2407	2410	2418	rVB5	92752	157355	1.32%	0.172%
38	17.363	2438	2444	2451	rBV2	146930	251445	2.12%	0.275%
39	17.504	2464	2468	2474	rBV	95328	138708	1.17%	0.152%
40	17.563	2474	2478	2488	rVB2	107792	212851	1.79%	0.233%
41	17.698	2496	2501	2509	rBV2	358362	520467	4.38%	0.569%
42	17.774	2509	2514	2520	rBV	502629	688134	5.79%	0.753%
43	17.857	2520	2528	2532	rBV	728057	1060091	8.92%	1.160%
44	17.904	2532	2536	2543	rVB	995105	1371099	11.54%	1.500%
45	17.992	2543	2551	2555	rBV2	49312	112849	0.95%	0.123%
46	18.051	2555	2561	2565	rVV2	1071786	1753565	14.75%	1.919%
47	18.092	2565	2568	2570	rVV	441962	617860	5.20%	0.676%
48	18.110	2570	2571	2575	rVV	310213	348092	2.93%	0.381%
49	18.157	2575	2579	2586	rVB	744383	976401	8.21%	1.068%
50	18.268	2592	2598	2602	rBV3	62369	106104	0.89%	0.116%
51	18.368	2609	2615	2621	rBV	529066	772675	6.50%	0.845%
52	18.486	2631	2635	2639	rBV2	70082	97673	0.82%	0.107%
53	18.586	2648	2652	2654	rBV3	83204	117412	0.99%	0.128%
54	18.615	2654	2657	2661	rVV	148053	203623	1.71%	0.223%
55	18.668	2661	2666	2670	rVV2	270886	433426	3.65%	0.474%
56	18.704	2670	2672	2677	rVV	103324	110768	0.93%	0.121%
57	18.786	2680	2686	2690	rBV	281320	437523	3.68%	0.479%
58	18.845	2690	2696	2699	rVV3	168250	347515	2.92%	0.380%
59	18.880	2699	2702	2705	rVV	142255	185130	1.56%	0.203%
60	18.921	2705	2709	2718	rVV6	133745	309038	2.60%	0.338%
61	18.992	2718	2721	2725	rVB5	49781	73735	0.62%	0.081%
62	19.057	2725	2732	2738	rBV	8599466	11886417	100.00%	13.005%
63	19.121	2738	2743	2746	rVV	140504	212761	1.79%	0.233%
64	19.151	2746	2748	2752	rVV3	99045	147771	1.24%	0.162%
65	19.198	2753	2756	2760	rVV5	85383	117158	0.99%	0.128%
66	19.257	2764	2766	2769	rVV4	49762	66913	0.56%	0.073%
67	19.298	2769	2773	2777	rVV	227197	321064	2.70%	0.351%
68	19.333	2777	2779	2782	rVB2	65909	69581	0.59%	0.076%
69	19.386	2782	2788	2789	rBV	1372896	1599844	13.46%	1.750%
70	19.415	2789	2793	2801	rVV	5218141	7530434	63.35%	8.239%
71	19.492	2801	2806	2812	rVB2	311843	491577	4.14%	0.538%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120418\
Data File : BM017897.D
Acq On : 04 Dec 2018 05:08
Operator : JU/SJ
Sample : J6045-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4T9

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

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

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

72	19.598	2820	2824	2831	rBV	415084	581088	4.89%	0.636%
73	19.757	2844	2851	2858	rBV	382443	842925	7.09%	0.922%
74	19.833	2861	2864	2867	rVV4	64974	89954	0.76%	0.098%
75	19.880	2867	2872	2873	rVV2	281555	414347	3.49%	0.453%
76	19.915	2874	2878	2883	rVB	1058081	1499311	12.61%	1.640%
77	20.015	2891	2895	2899	rBV	660127	831753	7.00%	0.910%
78	20.068	2899	2904	2909	rVV3	377160	652308	5.49%	0.714%
79	20.109	2909	2911	2915	rVB2	191792	224697	1.89%	0.246%
80	20.157	2916	2919	2922	rBV3	122438	142068	1.20%	0.155%
81	20.192	2922	2925	2926	rBV2	112867	109814	0.92%	0.120%
82	20.256	2932	2936	2941	rBV3	194356	358515	3.02%	0.392%
83	20.351	2949	2952	2955	rBV5	46984	56788	0.48%	0.062%
84	20.509	2977	2979	2982	rVB2	120381	103432	0.87%	0.113%
85	20.545	2982	2985	2989	rVB3	95120	150954	1.27%	0.165%
86	20.627	2997	2999	3002	rBV2	59987	82949	0.70%	0.091%
87	20.833	3030	3034	3037	rBV	527057	668081	5.62%	0.731%
88	20.874	3037	3041	3044	rVV	583204	760018	6.39%	0.832%
89	20.909	3044	3047	3052	rVV	361288	509589	4.29%	0.558%
90	20.951	3052	3054	3058	rVV2	87739	99406	0.84%	0.109%
91	21.074	3072	3075	3083	rVB	167084	246687	2.08%	0.270%
92	21.180	3086	3093	3097	rVV2	3948550	7868626	66.20%	8.609%
93	21.227	3097	3101	3111	rVB	3148352	4552735	38.30%	4.981%
94	21.733	3183	3187	3190	rVV	368803	462506	3.89%	0.506%
95	21.780	3192	3195	3200	rVB	336706	442645	3.72%	0.484%
96	21.921	3216	3219	3222	rBV	207827	261115	2.20%	0.286%
97	22.027	3235	3237	3243	rVB	166499	193700	1.63%	0.212%
98	22.721	3349	3355	3359	rBV	1639340	3258979	27.42%	3.566%
99	23.180	3428	3433	3442	rVB	522957	988257	8.31%	1.081%
100	23.368	3459	3465	3472	rVB	1397788	2476458	20.83%	2.710%

Sum of corrected areas: 91398951

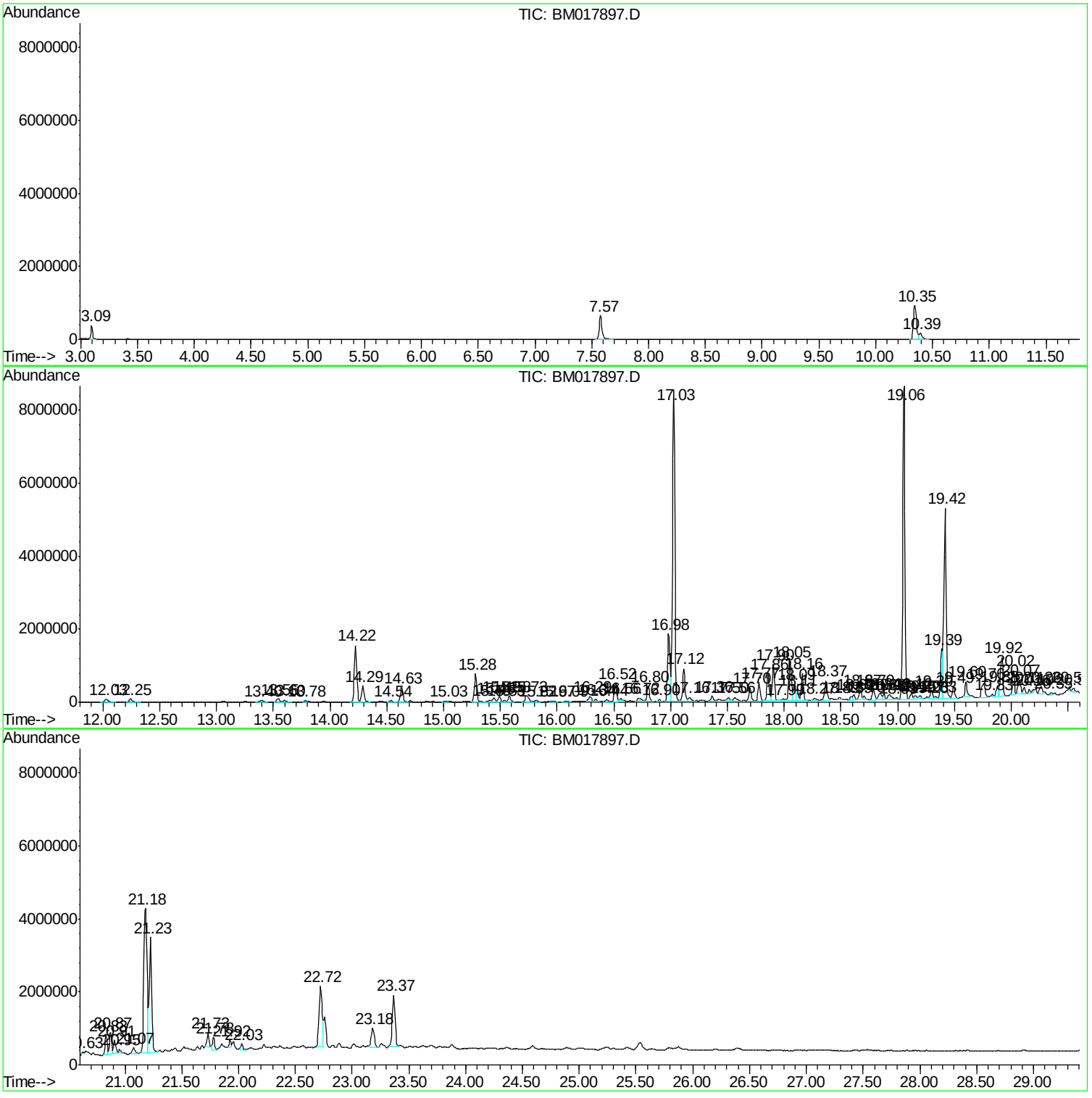
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120418\
Data File : BM017897.D
Acq On : 04 Dec 2018 05:08
Operator : JU/SJ
Sample : J6045-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4T9

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

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120418\
Data File : BM017897.D
Acq On : 04 Dec 2018 05:08
Operator : JU/SJ
Sample : J6045-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4T9

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

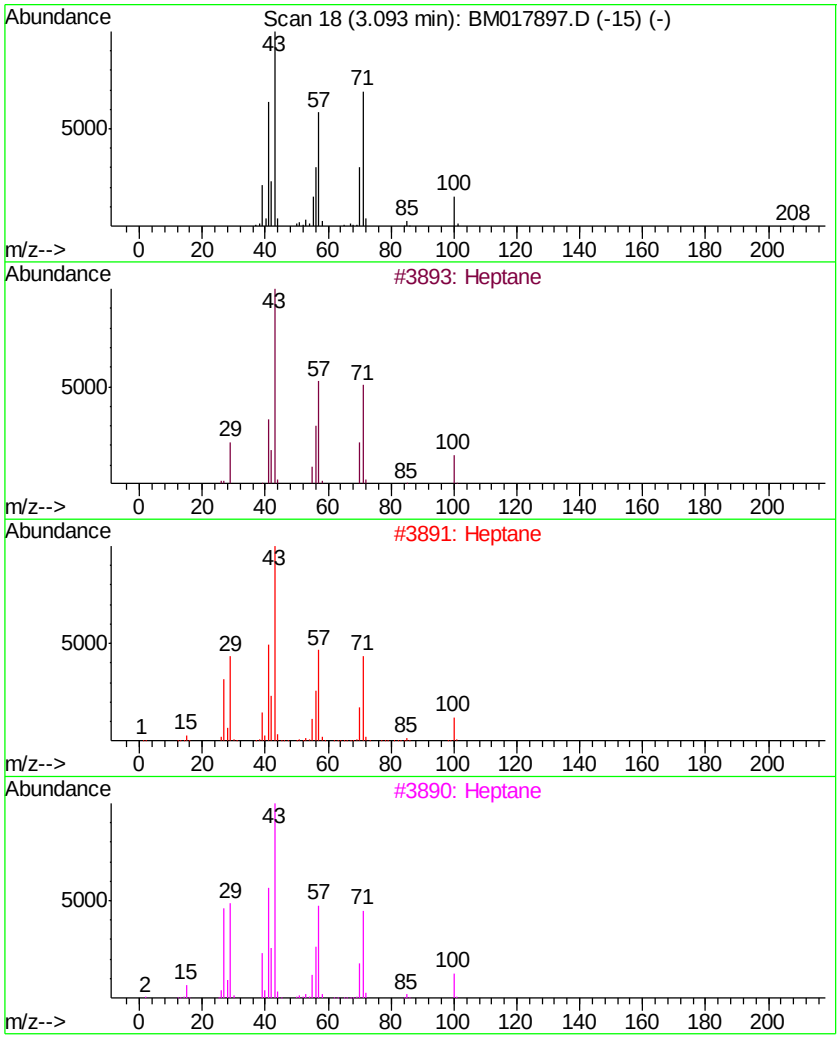
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

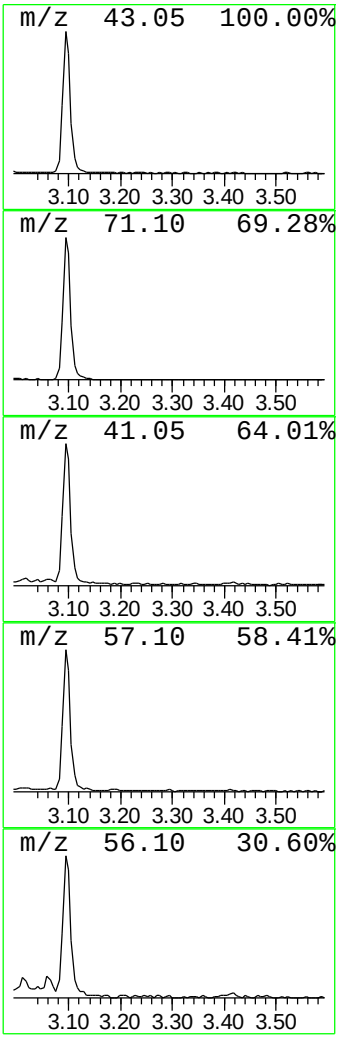
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.09	6.92 ng/ul	397646	1,4-Dichlorobenzene-d4	7.57

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	81
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120418\
Data File : BM017897.D
Acq On : 04 Dec 2018 05:08
Operator : JU/SJ
Sample : J6045-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4T9

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

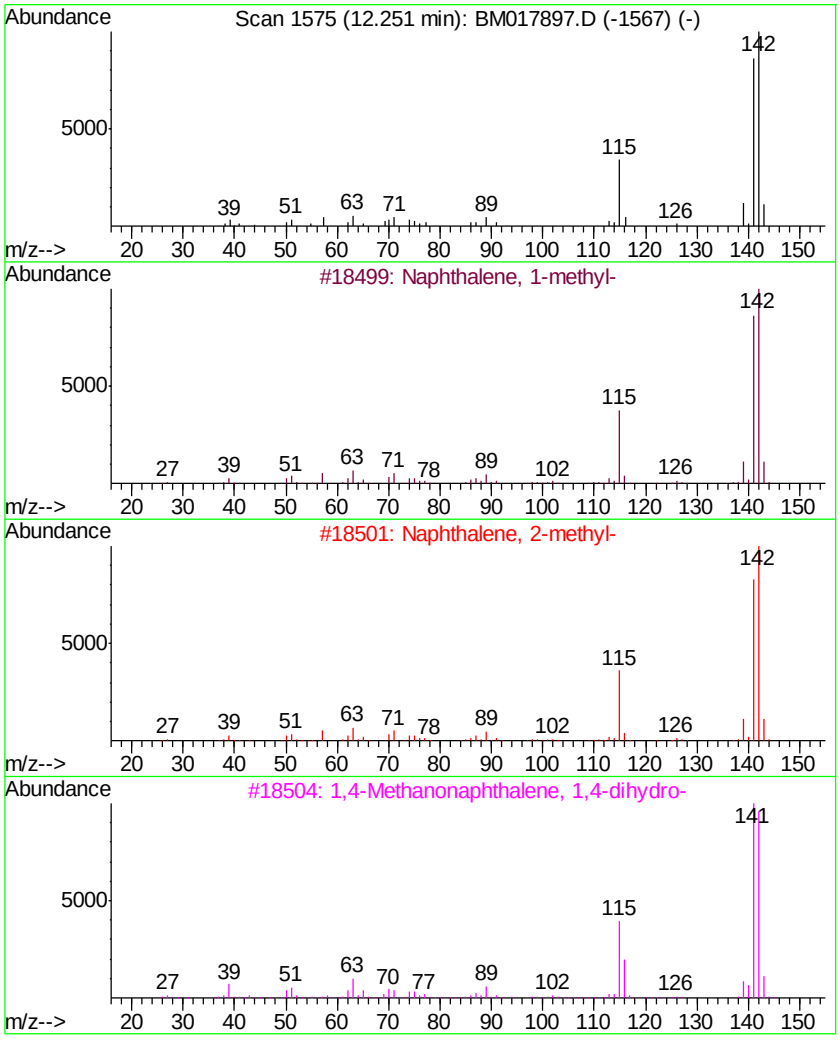
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

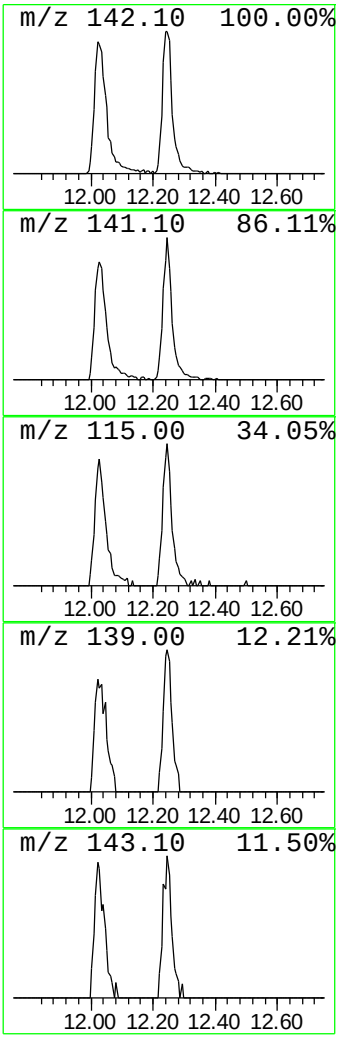
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	2.18 ng/ul	182850	Naphthalene-d8	10.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120418\
Data File : BM017897.D
Acq On : 04 Dec 2018 05:08
Operator : JU/SJ
Sample : J6045-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4T9

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

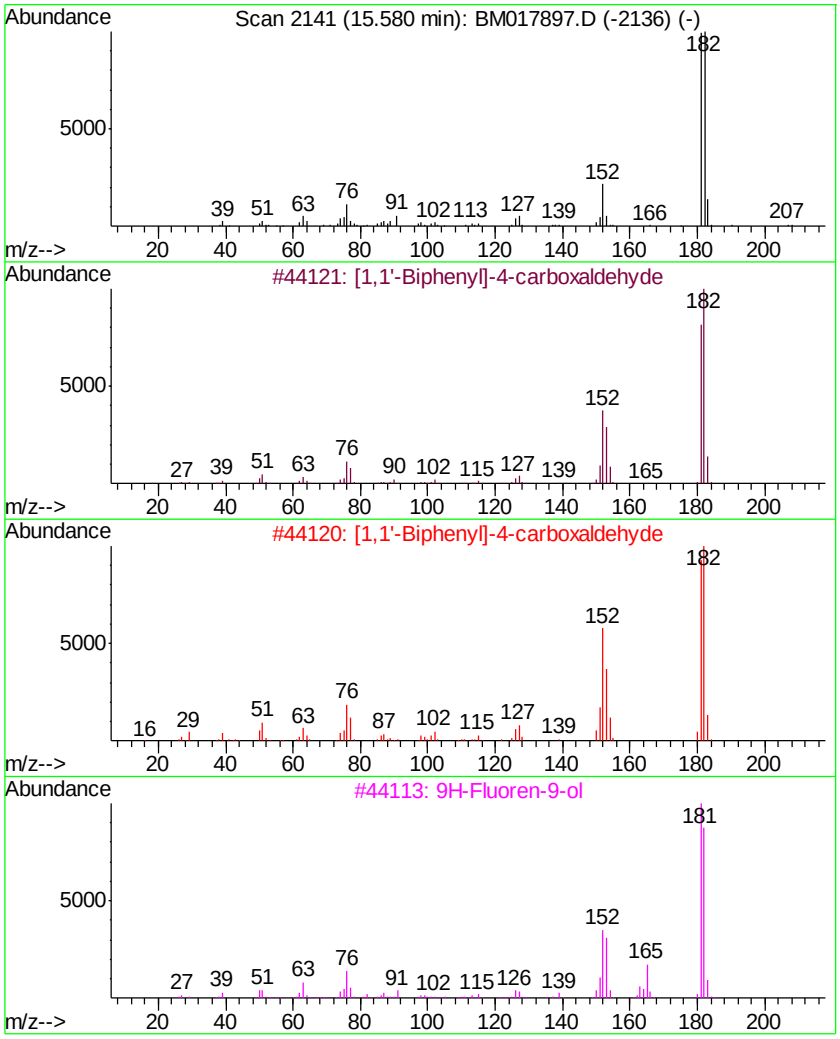
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

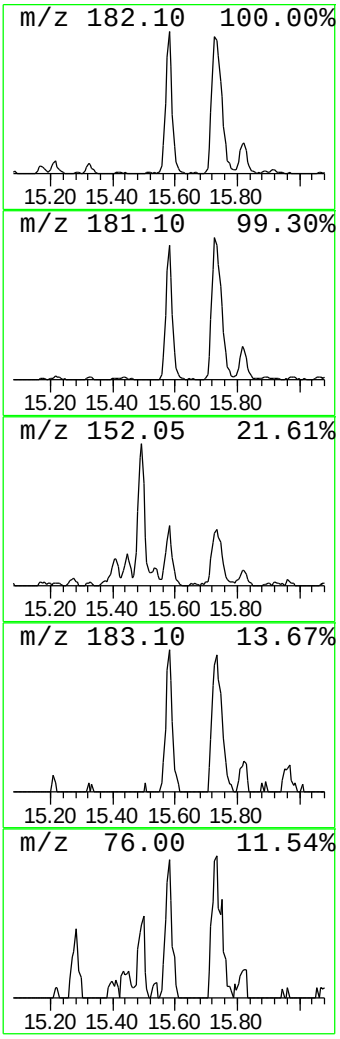
****

Peak Number 3 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	2.16 ng/ul	266745	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
4	2-Hydroxyfluorene	182	C13H10O	002443-58-5	59
5	9H-Xanthene	182	C13H10O	000092-83-1	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120418\
Data File : BM017897.D
Acq On : 04 Dec 2018 05:08
Operator : JU/SJ
Sample : J6045-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4T9

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

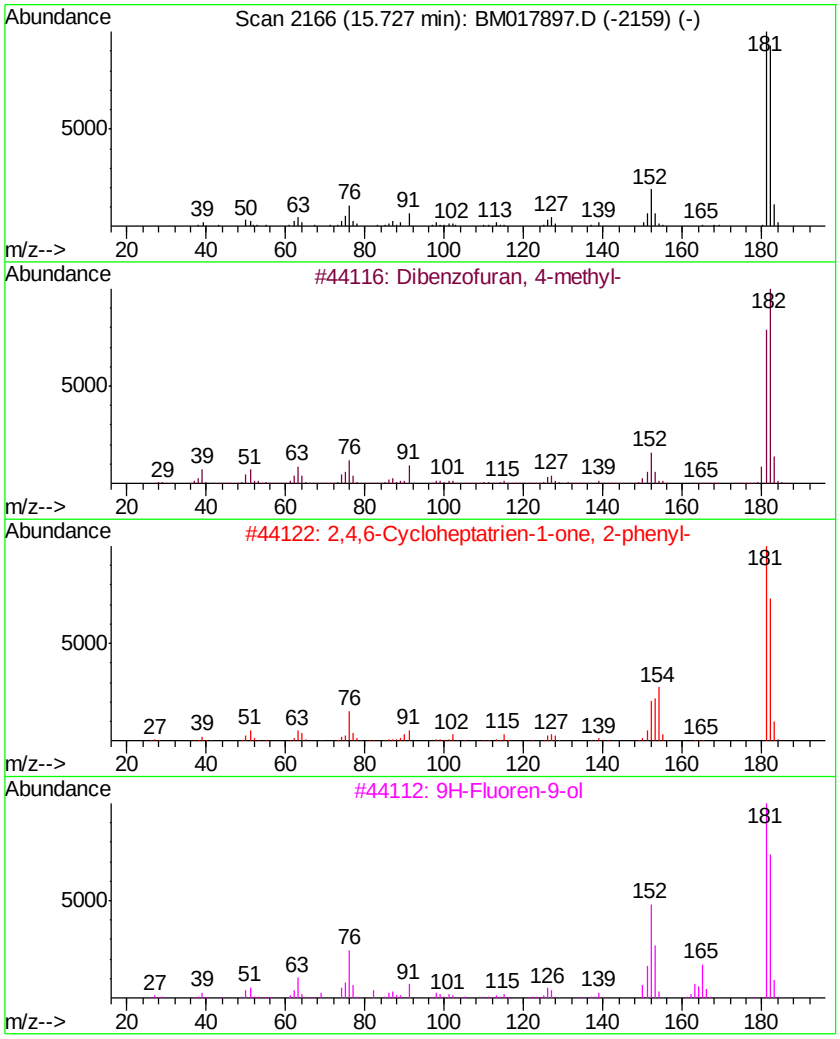
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

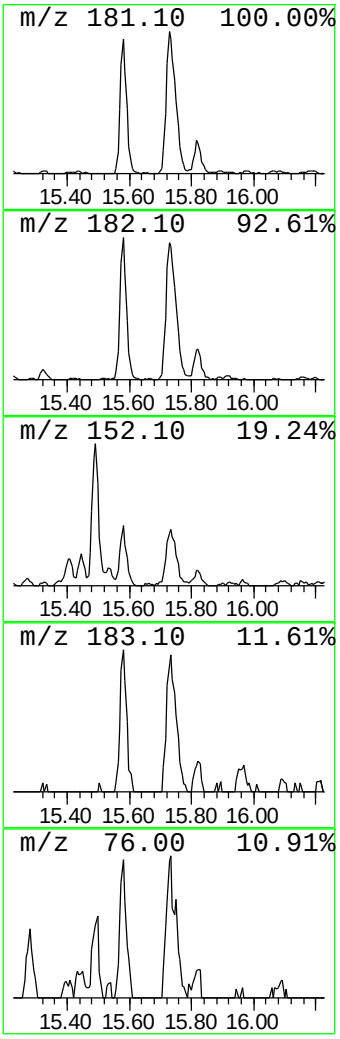
****

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	2.71 ng/ul	375437	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	89
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	72
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120418\
Data File : BM017897.D
Acq On : 04 Dec 2018 05:08
Operator : JU/SJ
Sample : J6045-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4T9

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

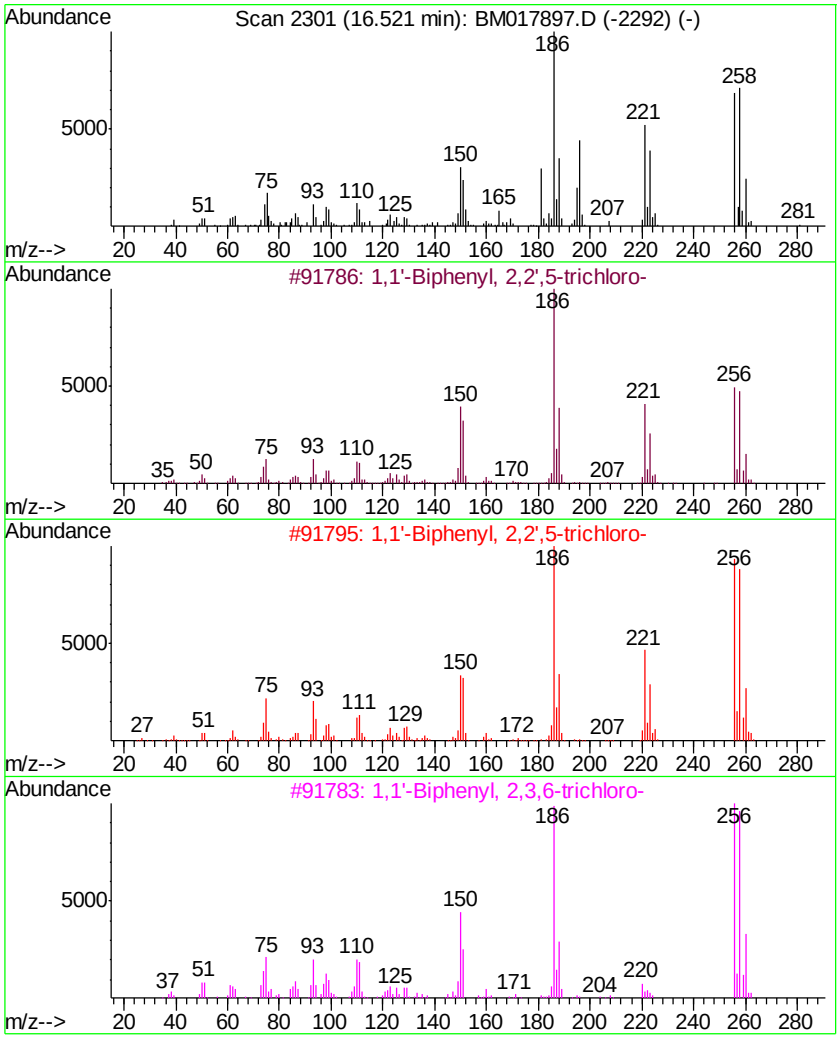
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

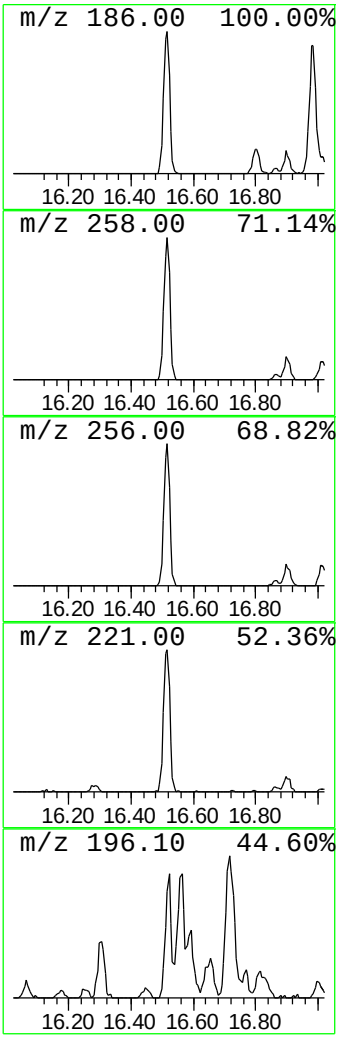
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	5.28 ng/ul	732603	Phenanthrene-d10	16.98

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	97
3	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	96
4	1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	96
5	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	93





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Acq On : 04 Dec 2018 05:08
Operator : JU/SJ
Sample : J6045-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4T9

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

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

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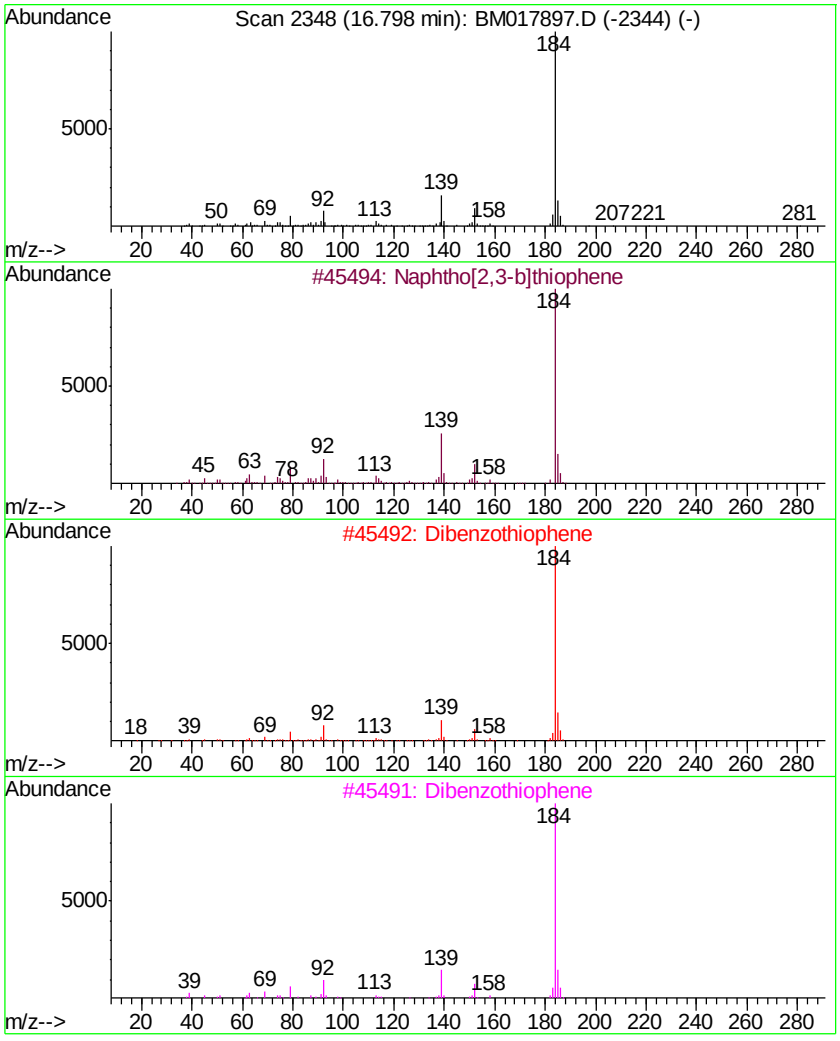
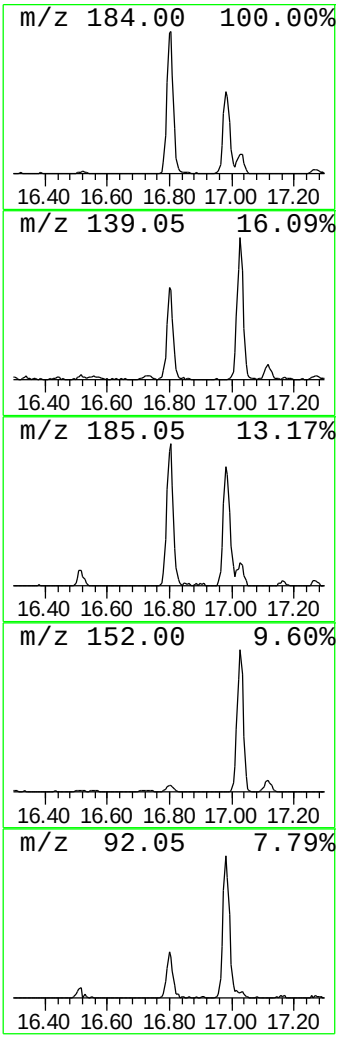
Peak Number 6 Naphtho[2,3-b]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	4.66 ng/ul	646818	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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Sample : J6045-20
Misc :
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Instrument : BNA_M
ClientSampleId : CB4T9

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Quant Title : SVOA CALIBRATION

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

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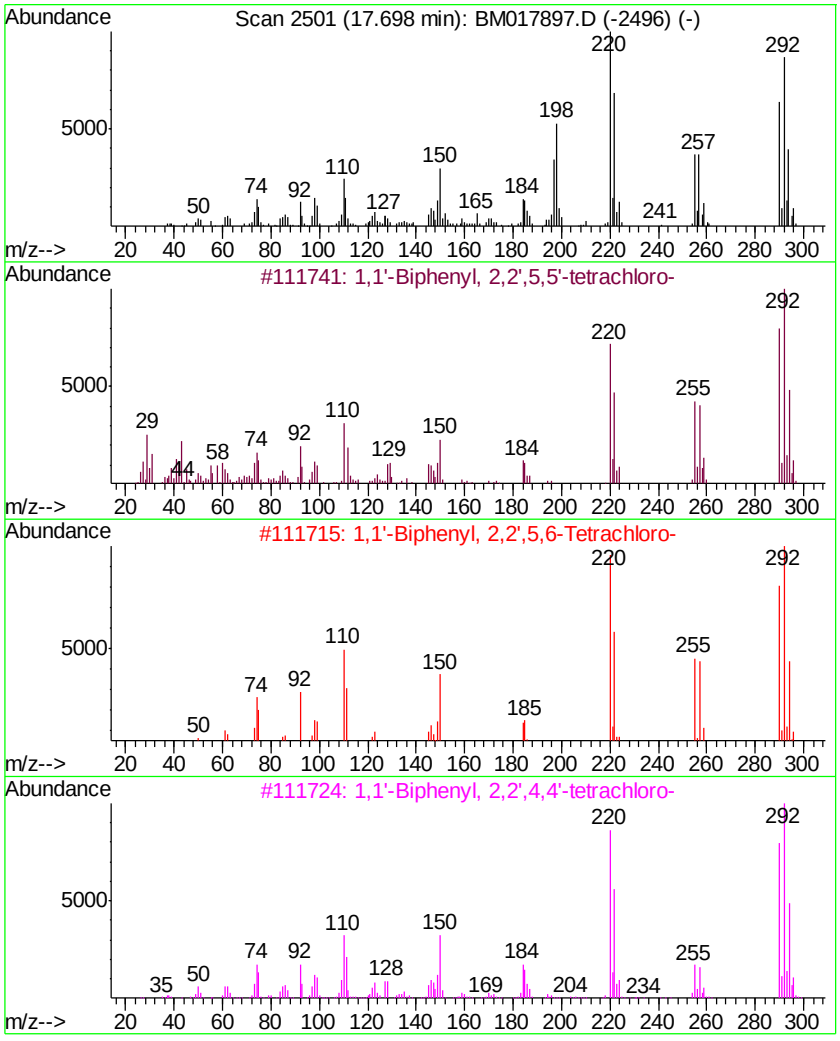
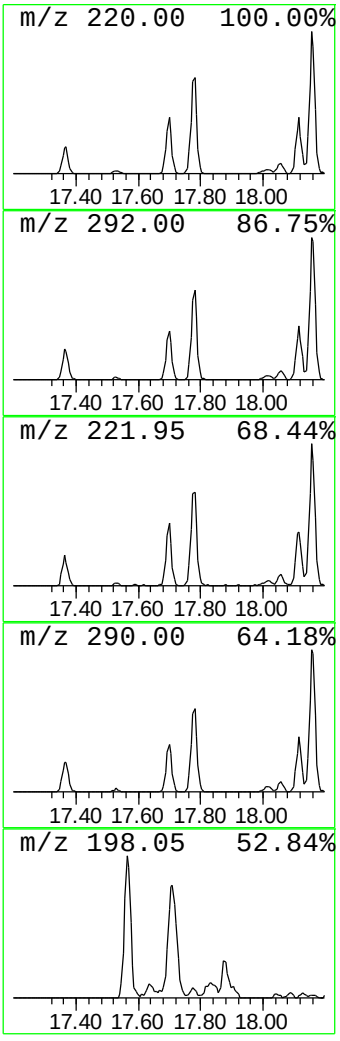
Peak Number 7 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	3.75 ng/ul	520467	Phenanthrene-d10	16.98

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





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Instrument : BNA_M
ClientSampleId : CB4T9

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Quant Title : SVOA CALIBRATION

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

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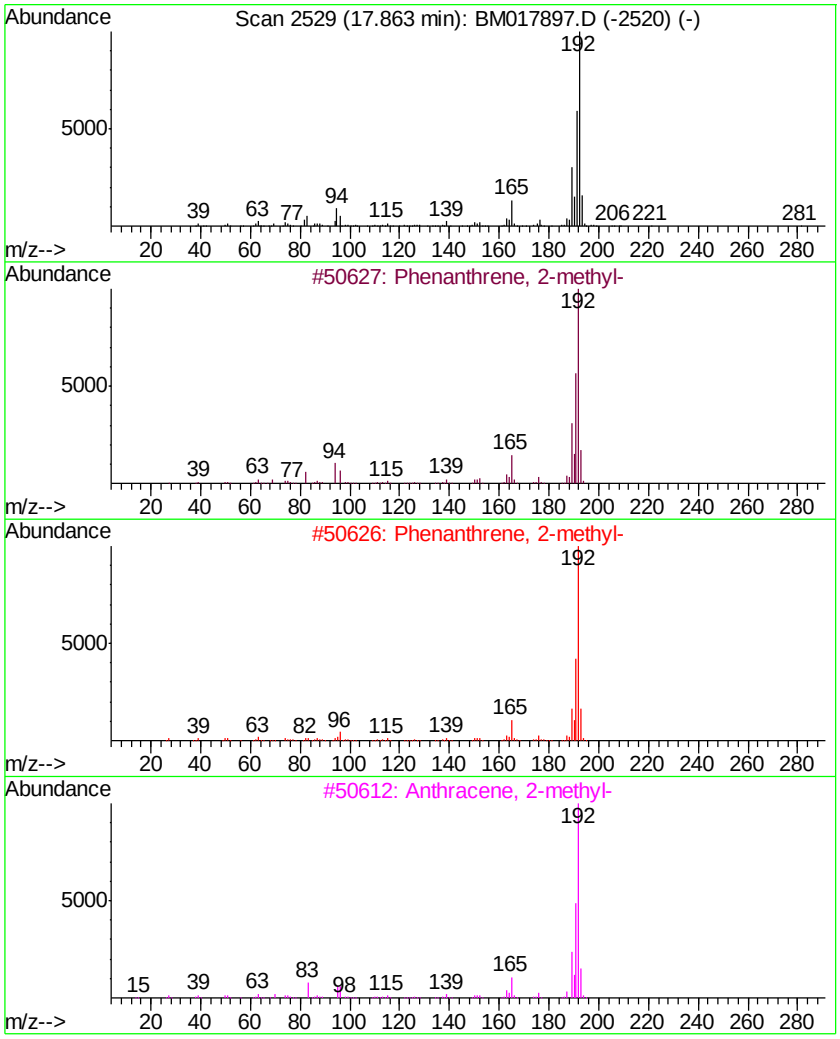
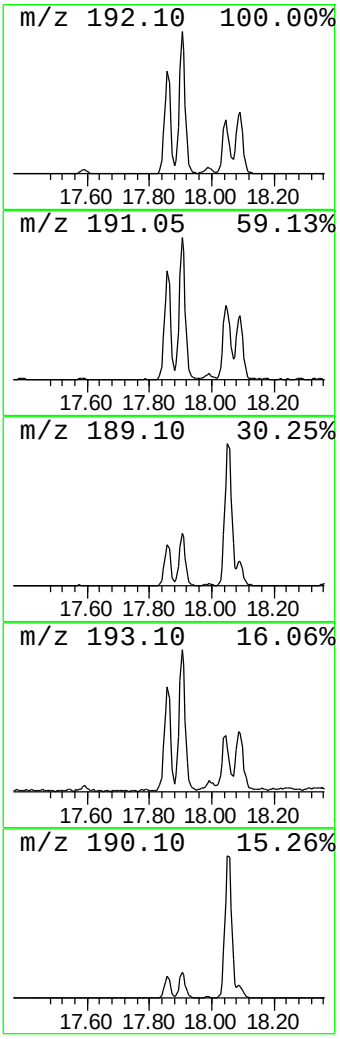
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	7.65 ng/ul	1060090	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95





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Sample : J6045-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4T9

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Quant Title : SVOA CALIBRATION

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

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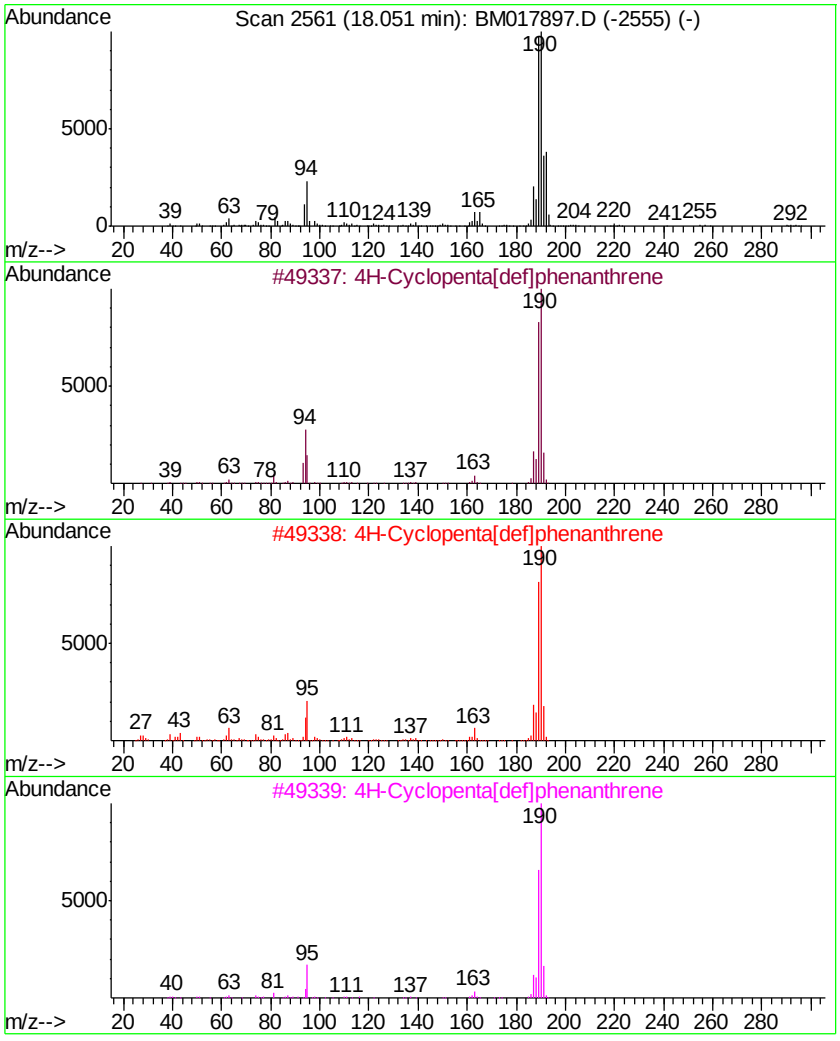
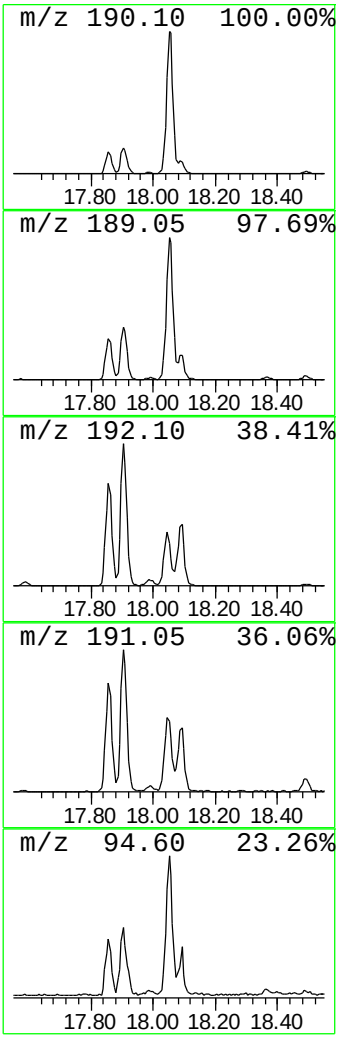
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	12.65 ng/ul	1753570	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	16





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Misc :
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Instrument : BNA_M
ClientSampleId : CB4T9

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Quant Title : SVOA CALIBRATION

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

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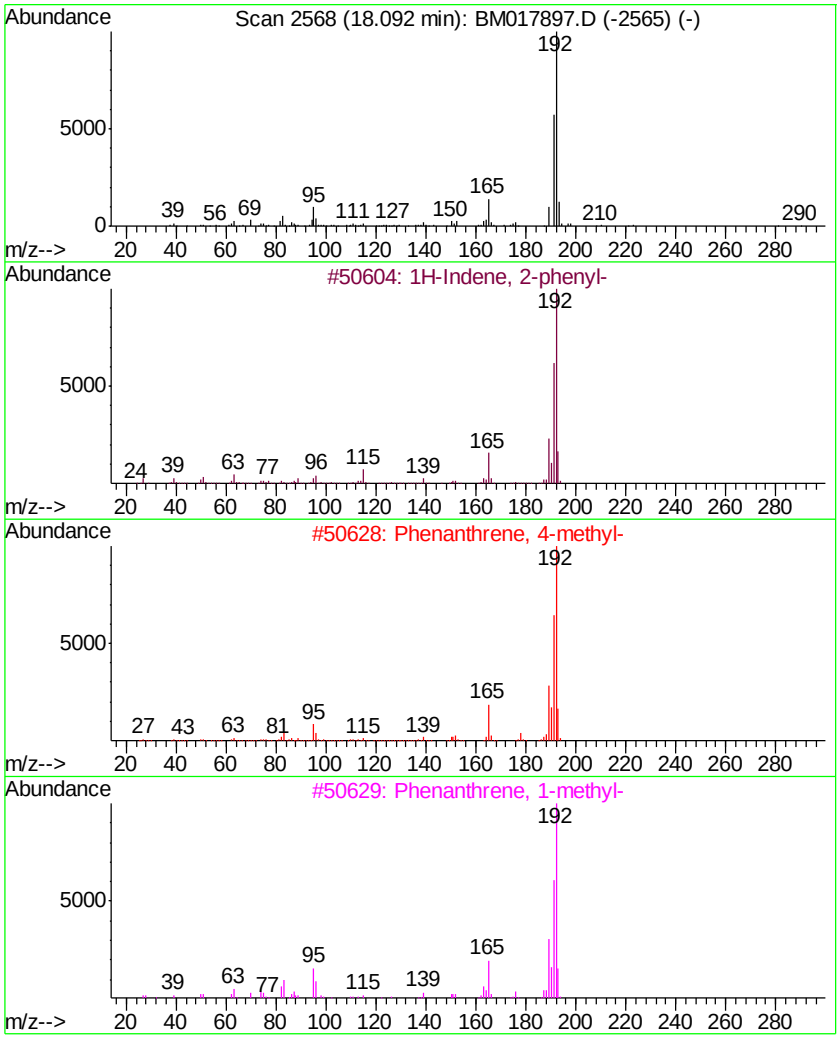
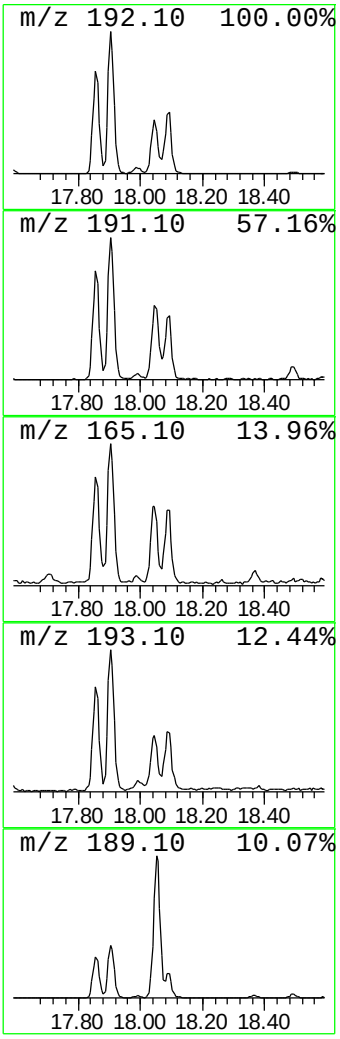
Peak Number 12 1H-Indene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	4.46 ng/ul	617860	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83





Library Search Compound Report

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Operator : JU/SJ
Sample : J6045-20
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Instrument : BNA_M
ClientSampleId : CB4T9

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Quant Title : SVOA CALIBRATION

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

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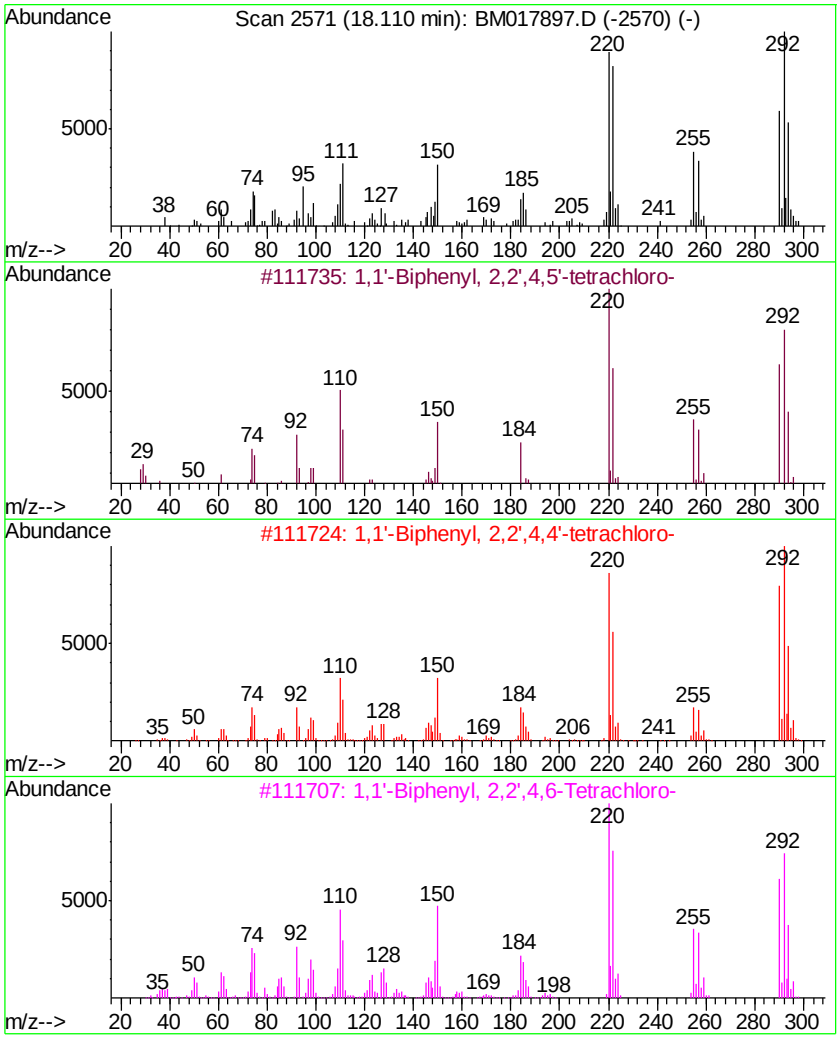
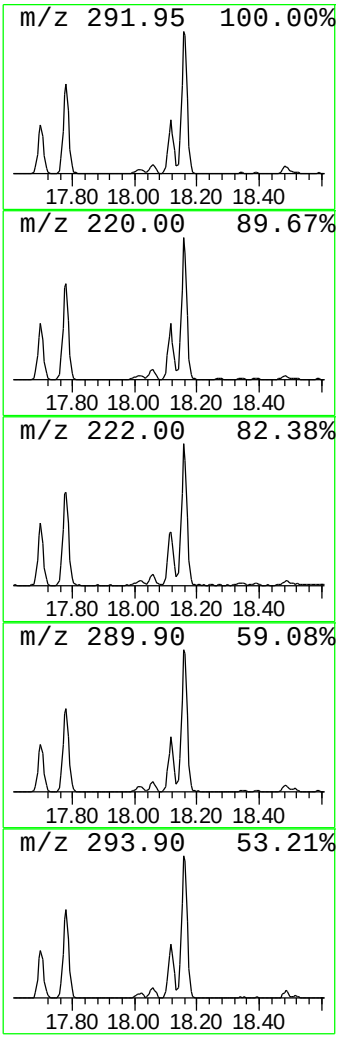
Peak Number 13 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	2.51 ng/ul	348092	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	95
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	94
3	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	91
4	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	91
5	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	91





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Sample : J6045-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4T9

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Quant Title : SVOA CALIBRATION

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

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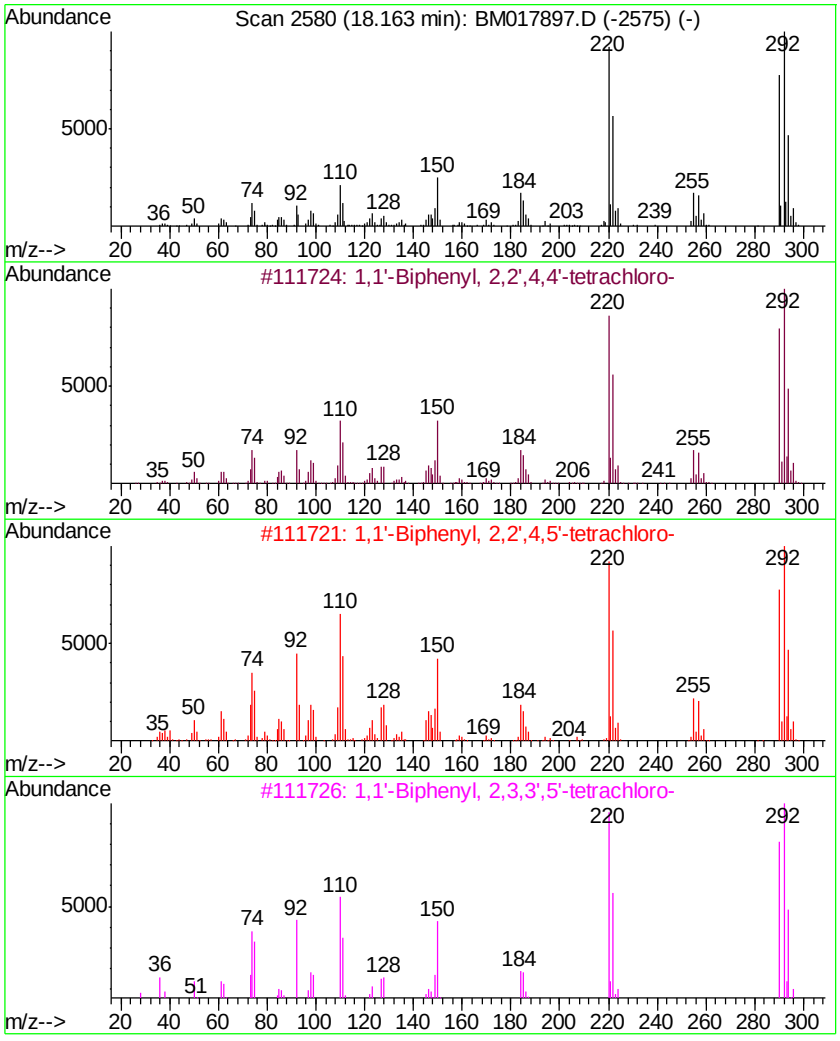
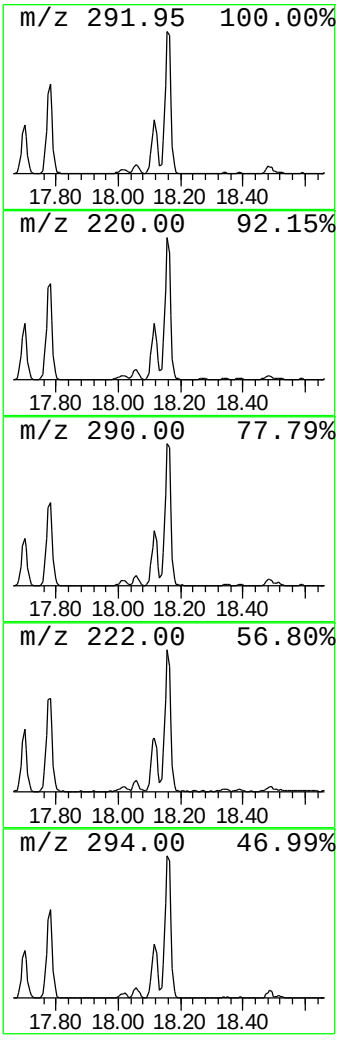
Peak Number 14 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	7.04 ng/ul	976401	Phenanthrene-d10	16.98

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, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
4	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	98
5	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	98





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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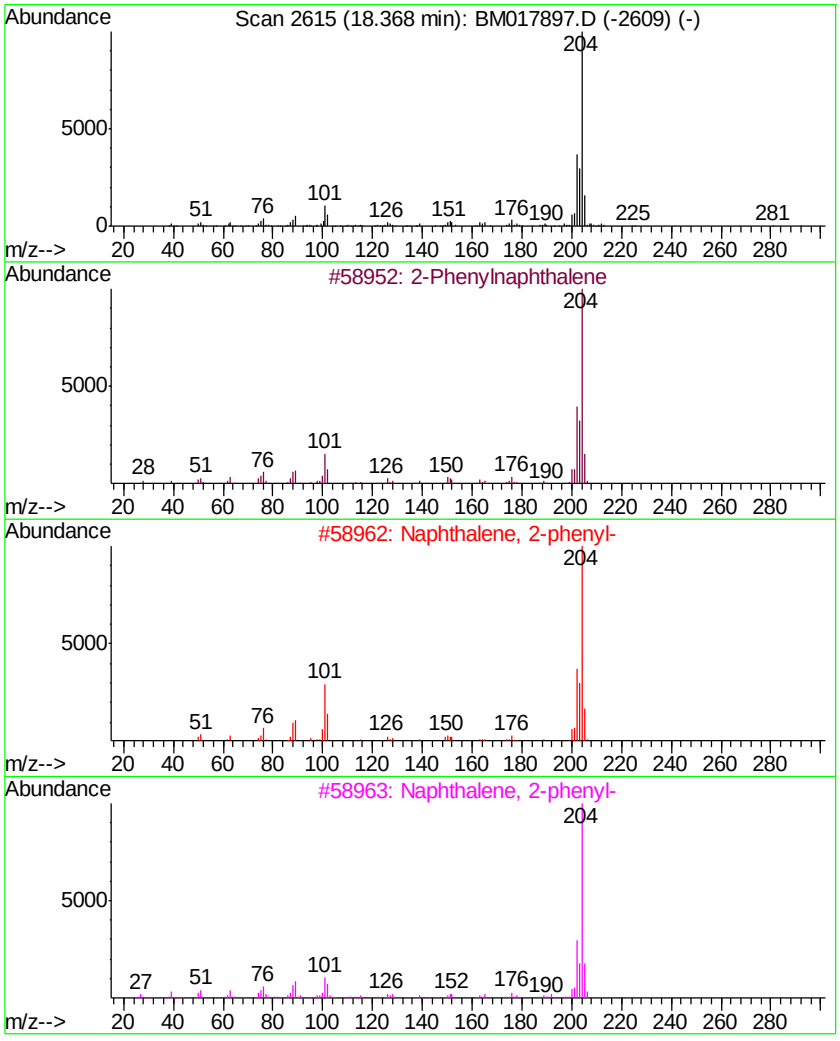
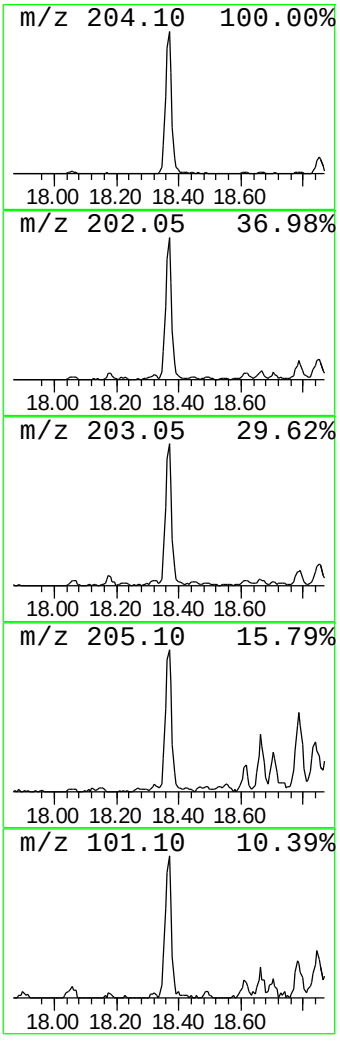
Peak Number 15 2-Phenylnaphthalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	5.57 ng/ul	772675	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	87
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : CB4T9

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Quant Title : SVOA CALIBRATION

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

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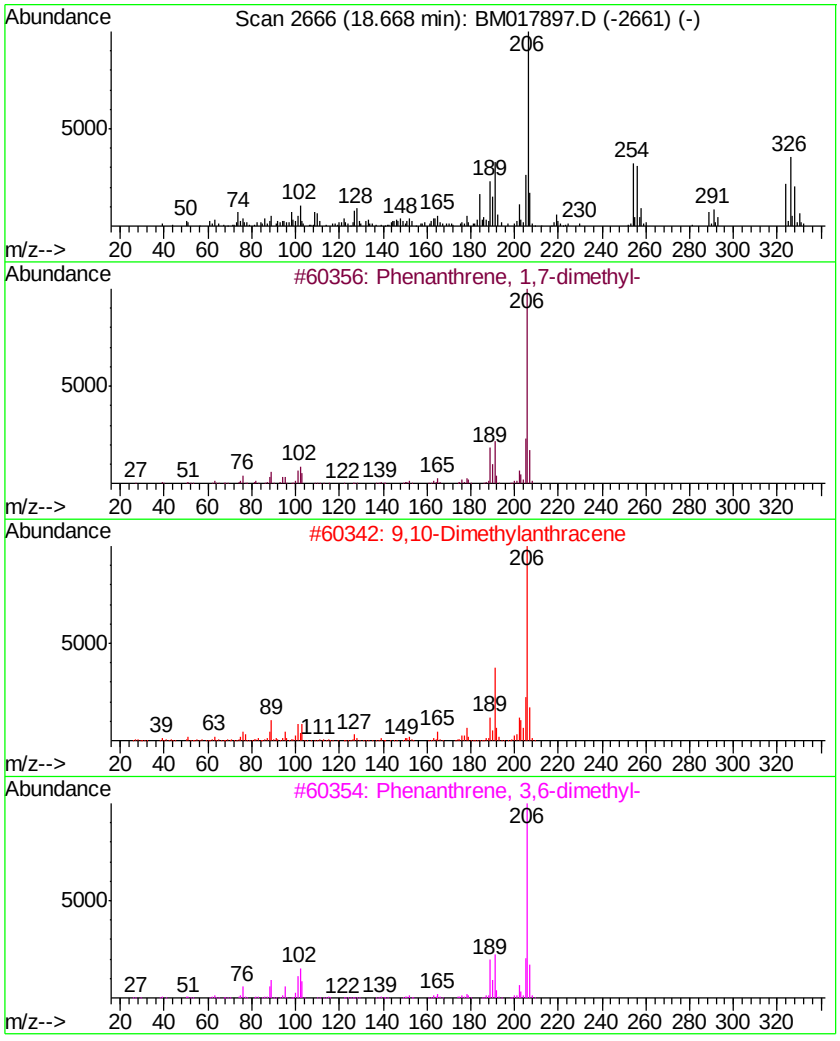
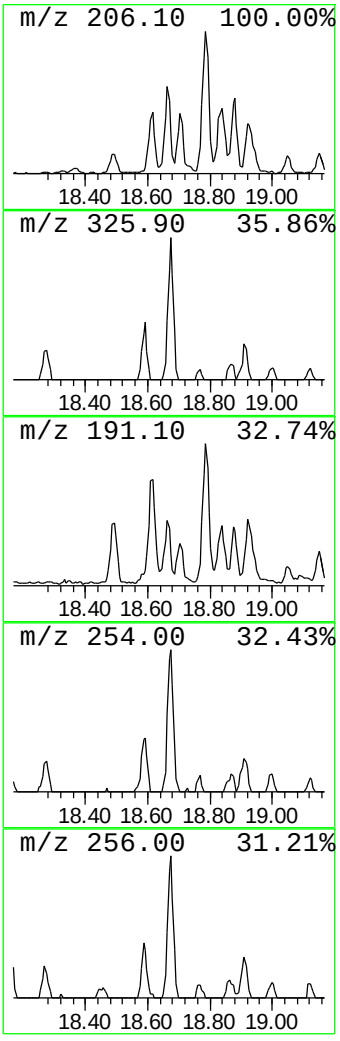
Peak Number 16 Phenanthrene, 1,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	3.13 ng/ul	433426	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	50





Library Search Compound Report

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ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4T9

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Quant Title : SVOA CALIBRATION

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

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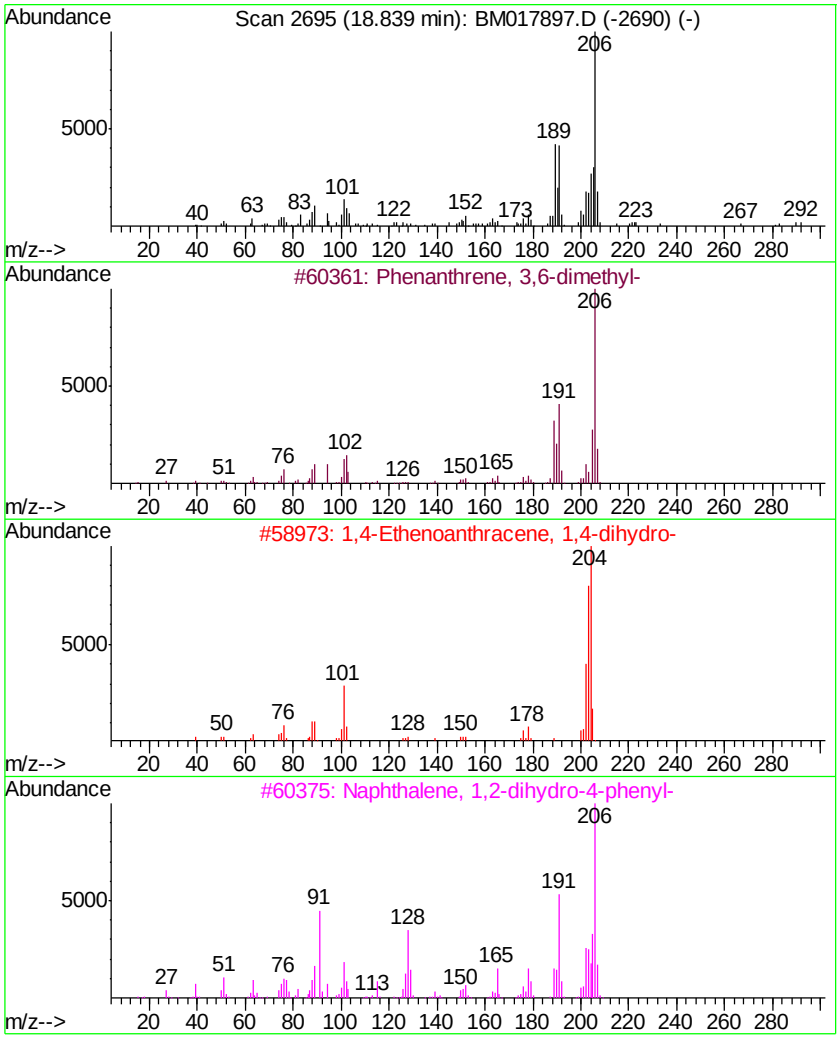
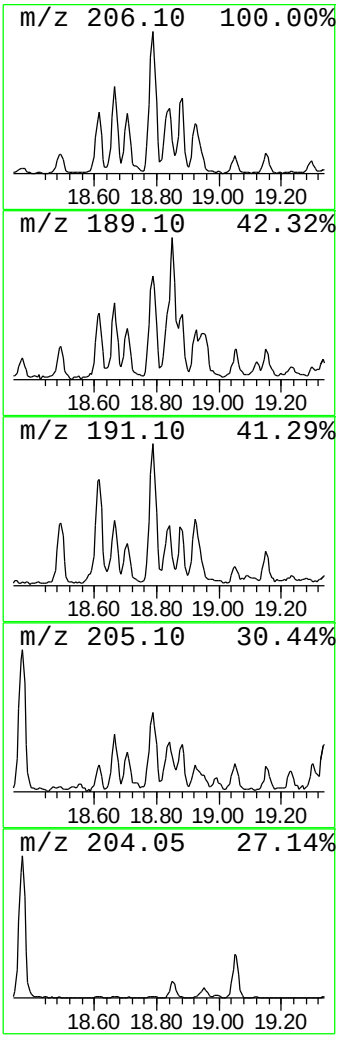
Peak Number 18 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	2.51 ng/ul	347515	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46
2	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	44
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	38
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	38
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	30





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Quant Title : SVOA CALIBRATION

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

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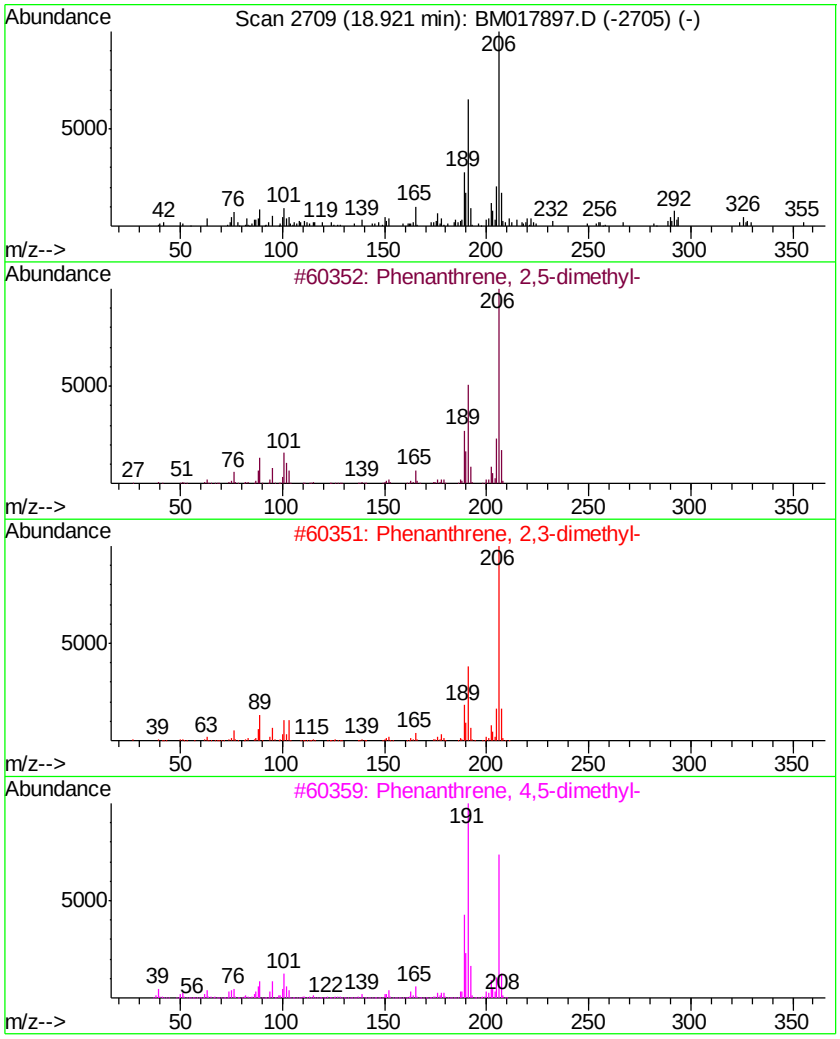
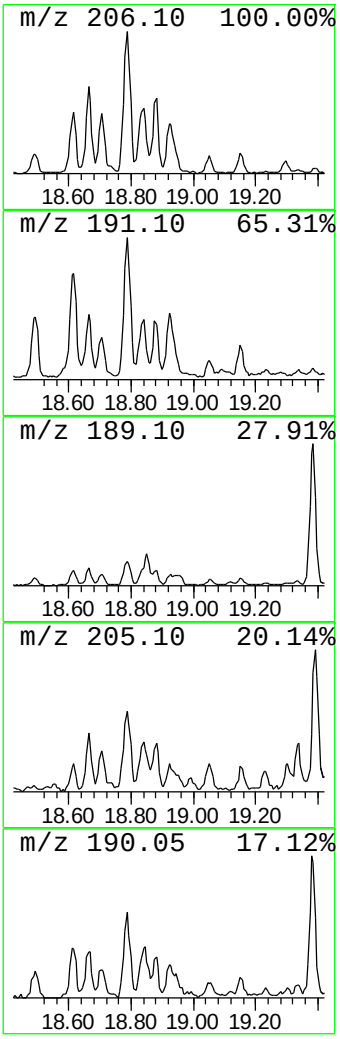
Peak Number 19 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	2.23 ng/ul	309038	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	89
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Data File : BM017897.D
Acq On : 04 Dec 2018 05:08
Operator : JU/SJ
Sample : J6045-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4T9

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

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

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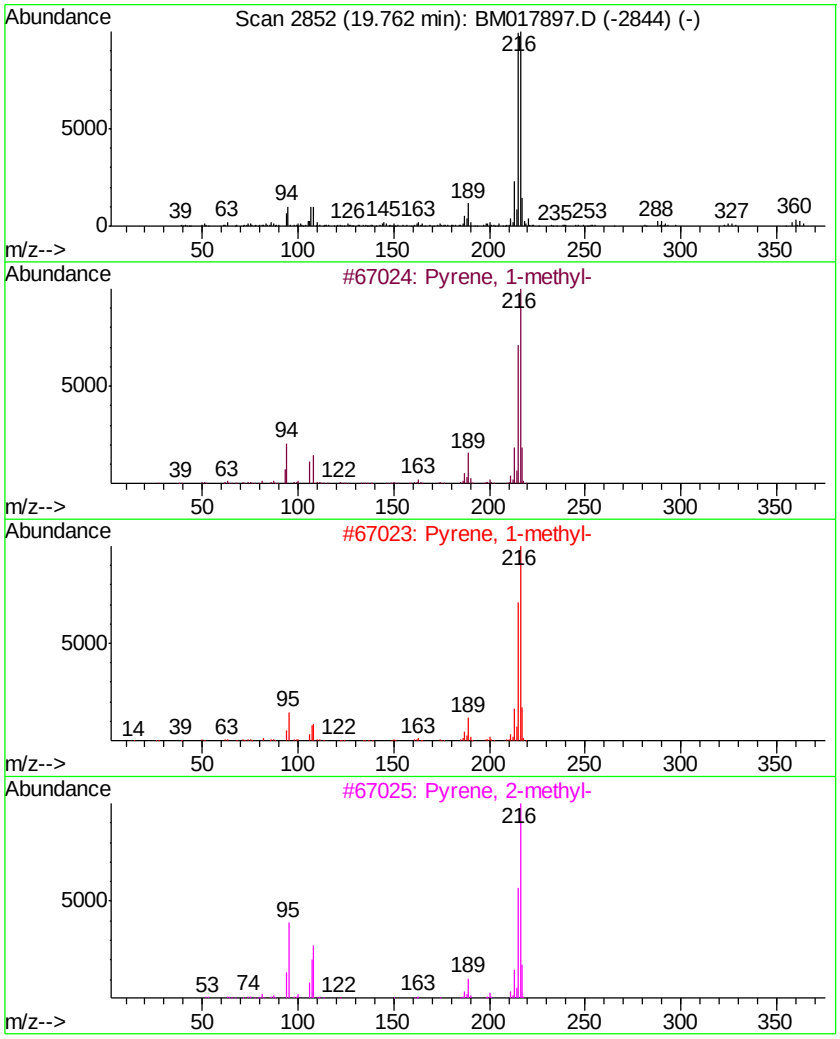
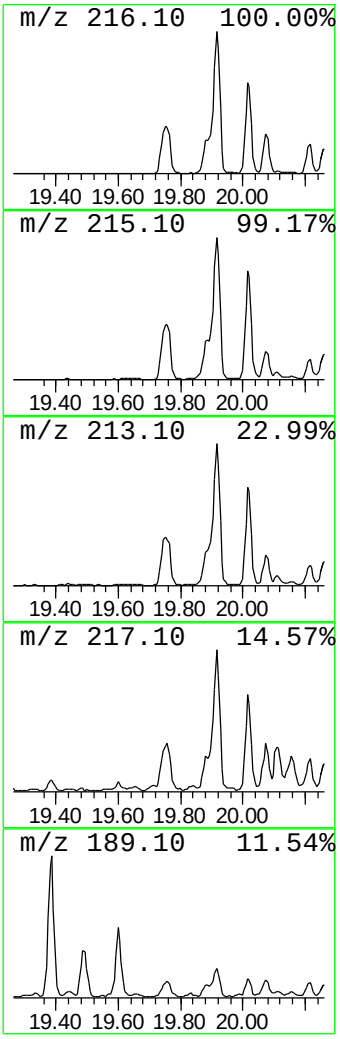
Peak Number 20 Pyrene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.76	2.14 ng/ul	842925	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93





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Data File : BM017897.D
Acq On : 04 Dec 2018 05:08
Operator : JU/SJ
Sample : J6045-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4T9

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

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

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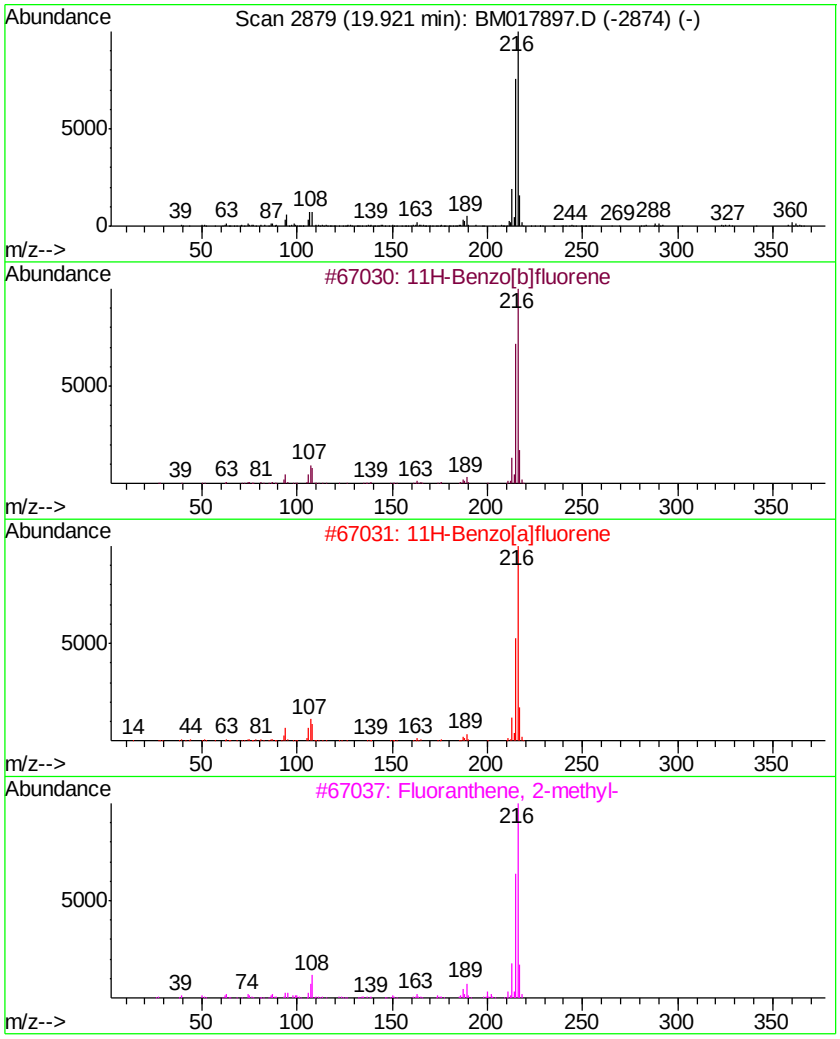
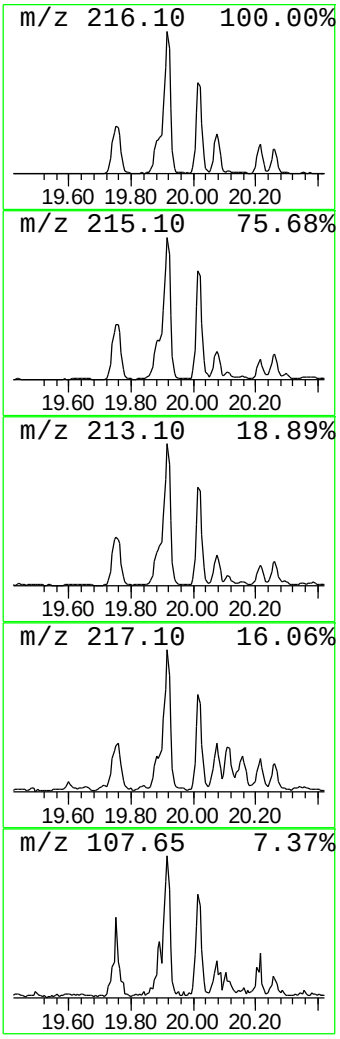
Peak Number 21 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	3.81 ng/ul	1499310	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120418\
Data File : BM017897.D
Acq On : 04 Dec 2018 05:08
Operator : JU/SJ
Sample : J6045-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4T9

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

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

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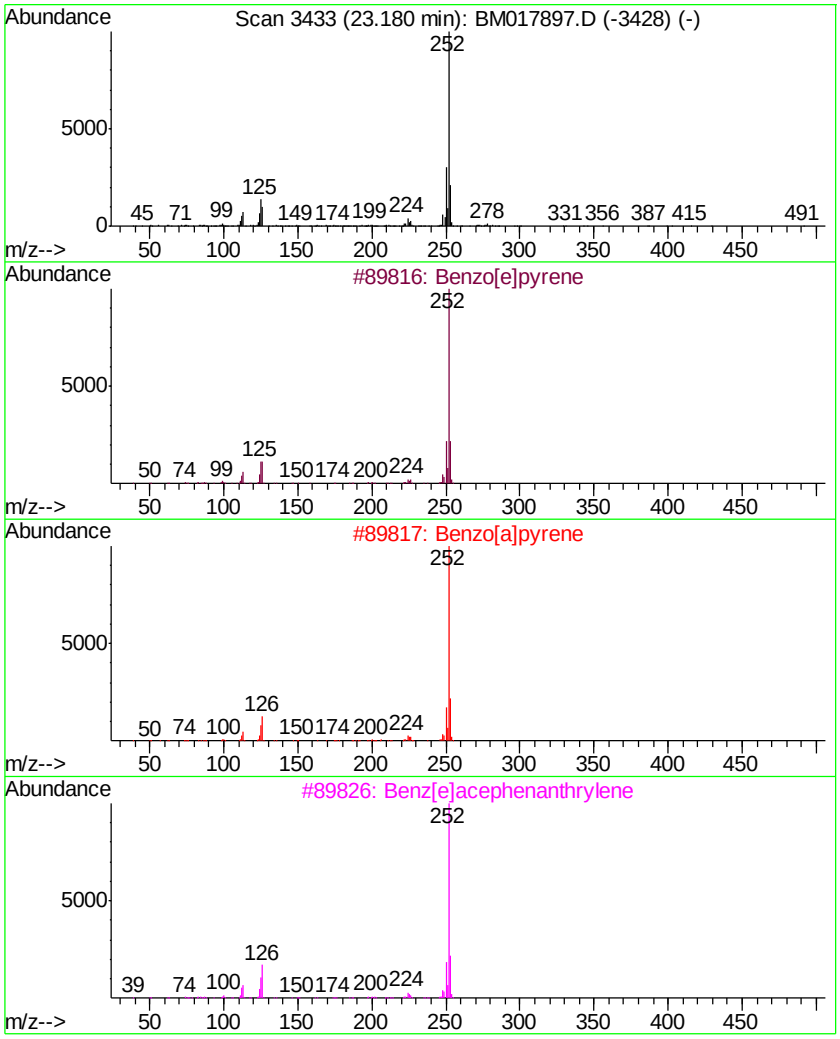
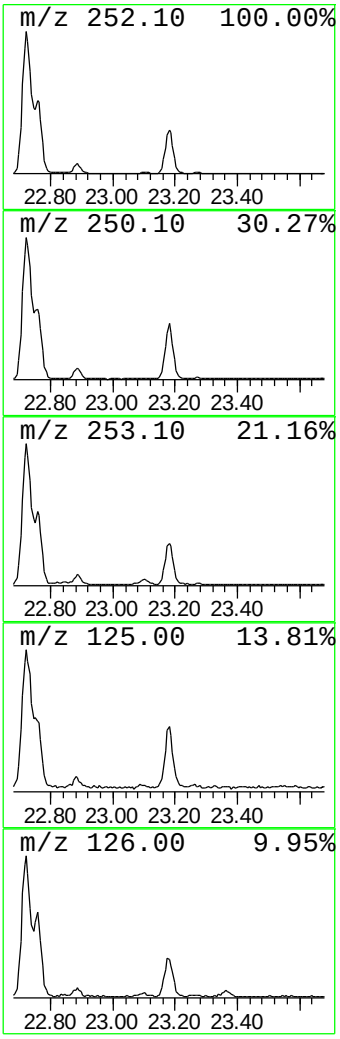
Peak Number 23 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.18	7.98 ng/ul	988257	Perylene-d12	23.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120418\
Data File : BM017897.D
Acq On : 04 Dec 2018 05:08
Operator : JU/SJ
Sample : J6045-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB4T9

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	3.09	6.9	ng/ul	397646	1	7.57	1149280	20.0
Naphthalene, 1-me...	12.25	2.2	ng/ul	182850	2	10.35	1675800	20.0
[1,1'-Biphenyl]-4...	15.58	2.2	ng/ul	266745	3	14.22	2468410	20.0
Dibenzofuran, 4-m...	15.73	2.7	ng/ul	375437	4	16.98	2773110	20.0
1,1'-Biphenyl, 2,...	16.52	5.3	ng/ul	732603	4	16.98	2773110	20.0
Naphtho[2,3-b]thi...	16.80	4.7	ng/ul	646818	4	16.98	2773110	20.0
1,1'-Biphenyl, 2,...	17.70	3.8	ng/ul	520467	4	16.98	2773110	20.0
Phenanthrene, 2-m...	17.86	7.7	ng/ul	1060090	4	16.98	2773110	20.0
4H-Cyclopenta[def...	18.05	12.7	ng/ul	1753570	4	16.98	2773110	20.0
1H-Indene, 2-phenyl-	18.09	4.5	ng/ul	617860	4	16.98	2773110	20.0
1,1'-Biphenyl, 2,...	18.11	2.5	ng/ul	348092	4	16.98	2773110	20.0
1,1'-Biphenyl, 2,...	18.16	7.0	ng/ul	976401	4	16.98	2773110	20.0
2-Phenylnaphthalene	18.37	5.6	ng/ul	772675	4	16.98	2773110	20.0
Phenanthrene, 1,7...	18.67	3.1	ng/ul	433426	4	16.98	2773110	20.0
unknown-01	18.84	2.5	ng/ul	347515	4	16.98	2773110	20.0
Phenanthrene, 2,5...	18.92	2.2	ng/ul	309038	4	16.98	2773110	20.0
Pyrene, 1-methyl-	19.76	2.1	ng/ul	842925	5	21.19	7868630	20.0
11H-Benzo[b]fluorene	19.92	3.8	ng/ul	1499310	5	21.19	7868630	20.0
Benzo[e]pyrene	23.18	8.0	ng/ul	988257	6	23.37	2476460	20.0