LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
Data File : BM023192.D
Acq On : 16 Oct 2019 13:45
Operator : JU
Sample : K5199-12
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP79

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-BM101419MA.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	3.711	118	123	130	rBV	239757	323614	1.22%	0.085%
2	5.228	374	381	389	rVB	206262	318575	1.20%	0.084%
3	5.699	455	461	476	rBV	1191957	1867340	7.04%	0.491%
4	6.858	651	658	668	rVV	1820811	3144902	11.85%	0.827%
5	7.028	680	687	694	rBV	1444562	2322650	8.75%	0.611%
6	7.222	713	720	730	rVB	1938331	3038158	11.45%	0.799%
7	7.687	792	799	806	rBV	1848494	2912747	10.98%	0.766%
8	8.387	911	918	925	rBV	1900518	3085442	11.63%	0.812%
9	8.834	982	994	1001	rBV	1846393	3068632	11.56%	0.807%
10	9.551	1110	1116	1123	rBV	1328580	2165420	8.16%	0.570%
11	10.087	1196	1207	1216	rVB	2358444	4002141	15.08%	1.053%
12	10.469	1263	1272	1278	rBV	2583268	4398314	16.58%	1.157%
13	10.516	1278	1280	1287	rVB2	239726	331457	1.25%	0.087%
14	10.598	1287	1294	1304	rBV	822190	1535493	5.79%	0.404%
15	12.140	1549	1556	1564	rVB2	181576	327440	1.23%	0.086%
16	12.710	1647	1653	1659	rBV	178749	298785	1.13%	0.079%
17	13.651	1804	1813	1818	rBV	219929	423759	1.60%	0.111%
18	13.745	1824	1829	1833	rVV	4020558	5667021	21.36%	1.491%
19	13.792	1833	1837	1843	rVB	1511353	2025049	7.63%	0.533%
20	14.016	1868	1875	1884	rBV	4773822	8052851	30.35%	2.119%
21	14.086	1884	1887	1896	rVB	363339	528325	1.99%	0.139%
22	14.328	1921	1928	1934	rBV2	3638601	5553526	20.93%	1.461%
23	14.386	1934	1938	1943	rVB2	850259	1268687	4.78%	0.334%
24	14.516	1955	1960	1964	rBV	721647	1046453	3.94%	0.275%
25	14.569	1964	1969	1973	rVV	740790	1099712	4.14%	0.289%
26	14.733	1991	1997	2005	rVV3	292293	646214	2.44%	0.170%
27	14.957	2029	2035	2040	rBV	156361	303245	1.14%	0.080%
28	15.163	2066	2070	2074	rVV2	337321	447559	1.69%	0.118%
29	15.322	2091	2097	2103	rBV	5609040	8296995	31.27%	2.183%
30	15.381	2103	2107	2111	rVB	522336	746978	2.82%	0.197%
31	15.433	2111	2116	2121	rBV	760214	1078087	4.06%	0.284%
32	15.822	2178	2182	2190	rVB3	166642	365053	1.38%	0.096%
33	15.892	2190	2194	2199	rBV4	243046	490095	1.85%	0.129%
34	16.386	2275	2278	2282	rVB4	261643	355380	1.34%	0.094%

LSC Area Percent Report

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Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP79

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-BM101419MA.M
Title : SVOA CALIBRATION

35	16.433	2282	2286	2290	rBV	889350	1247778	4.70%	0.328%
36	16.692	2326	2330	2333	rVV	899139	1221971	4.61%	0.322%
37	16.722	2333	2335	2344	rVB4	295429	477406	1.80%	0.126%
38	16.816	2347	2351	2356	rBV3	148963	295977	1.12%	0.078%
39	16.892	2358	2364	2368	rVV2	398876	757098	2.85%	0.199%
40	17.075	2389	2395	2398	rBV2	3474038	5258462	19.82%	1.384%
41	17.116	2398	2402	2407	rVV	6681268	9263601	34.91%	2.437%
42	17.169	2407	2411	2415	rVV	5431649	8174650	30.81%	2.151%
43	17.204	2415	2417	2422	rVB	1545413	1752359	6.60%	0.461%
44	17.269	2423	2428	2434	rBV3	315561	605916	2.28%	0.159%
45	17.469	2459	2462	2468	rVB	459546	659819	2.49%	0.174%
46	17.604	2482	2485	2489	rBV2	200777	306262	1.15%	0.081%
47	17.657	2490	2494	2502	rVB2	415324	856682	3.23%	0.225%
48	17.951	2539	2544	2547	rBV	1386878	1991294	7.50%	0.524%
49	17.998	2547	2552	2558	rVB	2951992	4001749	15.08%	1.053%
50	18.069	2558	2564	2570	rBV	15587288	21946777	82.71%	5.774%
51	18.145	2571	2577	2581	rBV3	2731733	5317325	20.04%	1.399%
52	18.180	2581	2583	2586	rVB	949971	953519	3.59%	0.251%
53	18.451	2624	2629	2632	rBV3	954956	1575919	5.94%	0.415%
54	18.486	2632	2635	2638	rVB	783123	933657	3.52%	0.246%
55	18.704	2669	2672	2676	rVB	566039	708658	2.67%	0.186%
56	18.757	2678	2681	2684	rBV	373250	428455	1.61%	0.113%
57	18.874	2697	2701	2706	rBV	1407339	2211350	8.33%	0.582%
58	18.933	2706	2711	2715	rVV4	1050783	2022572	7.62%	0.532%
59	18.974	2715	2718	2720	rVV2	703476	908511	3.42%	0.239%
60	19.010	2720	2724	2733	rVB4	1563145	2666648	10.05%	0.702%
61	19.139	2740	2746	2751	rVB	12442910	16658832	62.78%	4.383%
62	19.210	2755	2758	2760	rBV	552856	708817	2.67%	0.186%
63	19.286	2767	2771	2775	rBV2	1254225	1751640	6.60%	0.461%
64	19.439	2794	2797	2798	rBV2	843016	829078	3.12%	0.218%
65	19.468	2798	2802	2804	rVV3	7175204	9935289	37.44%	2.614%
66	19.498	2804	2807	2815	rVB	12260761	16621433	62.64%	4.373%
67	19.680	2835	2838	2843	rVV	657149	757114	2.85%	0.199%
68	19.739	2844	2848	2853	rVB2	1022312	1526753	5.75%	0.402%
69	19.833	2860	2864	2869	rVB2	874198	1622086	6.11%	0.427%
70	19.963	2883	2886	2887	rBV2	760829	869683	3.28%	0.229%
71	19.998	2889	2892	2897	rVB	2616352	3438162	12.96%	0.905%

LSC Area Percent Report

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Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP79

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-BM101419MA.M
Title : SVOA CALIBRATION

72	20.098	2905	2909	2913	rBV	1620117	2092840	7.89%	0.551%
73	20.157	2915	2919	2922	rVB2	1674570	2285946	8.62%	0.601%
74	20.292	2939	2942	2946	rVB	1228102	1426694	5.38%	0.375%
75	20.339	2946	2950	2955	rBV	1311112	2009809	7.57%	0.529%
76	20.486	2973	2975	2980	rVB	1125261	1262853	4.76%	0.332%
77	20.710	3010	3013	3015	rBV2	1006426	1141370	4.30%	0.300%
78	20.745	3016	3019	3020	rBV	851524	990401	3.73%	0.261%
79	20.910	3045	3047	3050	rVB	1617832	1637362	6.17%	0.431%
80	20.951	3051	3054	3056	rBV	1236553	1418339	5.35%	0.373%
81	20.980	3056	3059	3062	rBV	7147882	8342333	31.44%	2.195%
82	21.215	3094	3099	3102	rBV	21939272	26534395	100.00%	6.981%
83	21.251	3102	3105	3110	rVV3	9894071	16713317	62.99%	4.397%
84	21.298	3110	3113	3120	rVB	7935486	10848220	40.88%	2.854%
85	21.421	3131	3134	3136	rBV2	1616567	2193403	8.27%	0.577%
86	21.451	3136	3139	3143	rVV3	5411309	6920103	26.08%	1.821%
87	21.498	3143	3147	3152	rVV	6463707	8531832	32.15%	2.245%
88	21.539	3152	3154	3157	rVV2	1891460	2264748	8.54%	0.596%
89	21.574	3157	3160	3165	rVB2	2922971	3431498	12.93%	0.903%
90	21.862	3207	3209	3212	rBV	994610	1109237	4.18%	0.292%
91	22.004	3230	3233	3236	rBV3	1698667	1930421	7.28%	0.508%
92	22.074	3242	3245	3257	rVB3	2984320	7698706	29.01%	2.026%
93	22.421	3300	3304	3318	rVB3	3030431	8953595	33.74%	2.356%
94	22.827	3367	3373	3377	rBV	6493406	14519349	54.72%	3.820%
95	23.298	3448	3453	3457	rBV	3235328	5745375	21.65%	1.512%
96	23.345	3457	3461	3465	rVV	3503615	6351143	23.94%	1.671%
97	23.392	3465	3469	3474	rVB	5850764	9476573	35.71%	2.493%
98	23.486	3481	3485	3489	rVB	2239895	3317525	12.50%	0.873%
99	25.721	3857	3865	3877	rVB3	3985749	12030576	45.34%	3.165%
100	26.397	3973	3980	4000	rVB	1953037	6095503	22.97%	1.604%

Sum of corrected areas: 380072867

LSC Report - Integrated Chromatogram

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Data File : BM023192.D
Acq On : 16 Oct 2019 13:45
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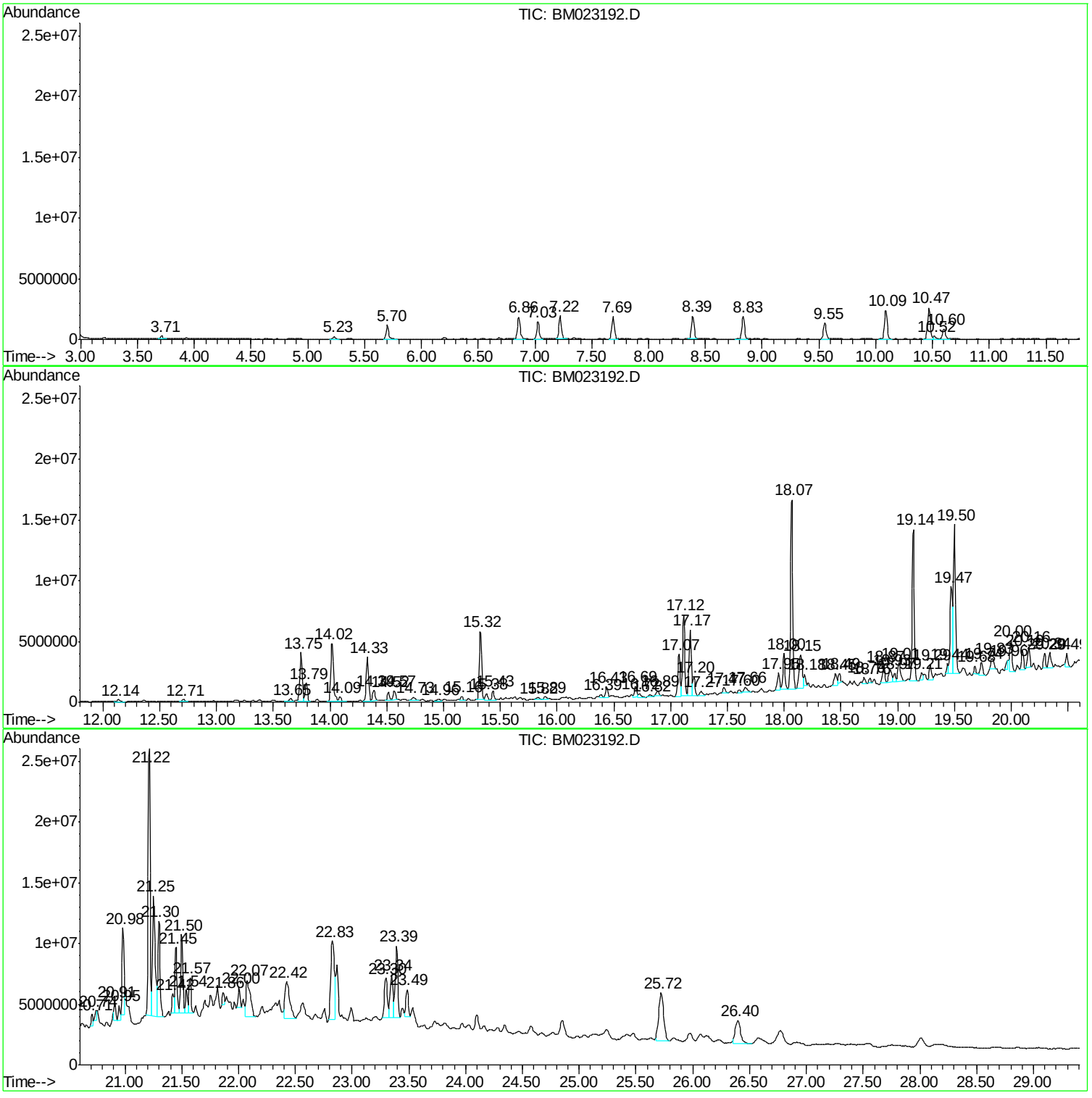
Sample : K5199-12
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP79

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
Data File : BM023192.D
Acq On : 16 Oct 2019 13:45
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Misc :
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Instrument : BNA_M
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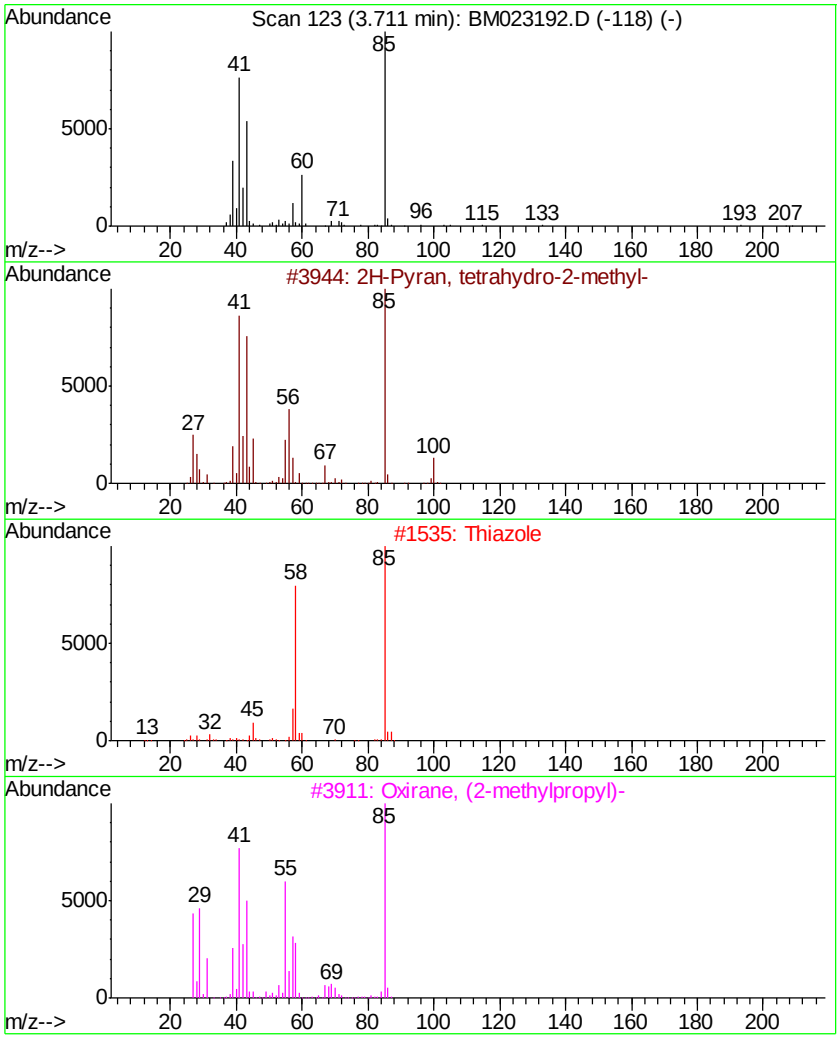
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

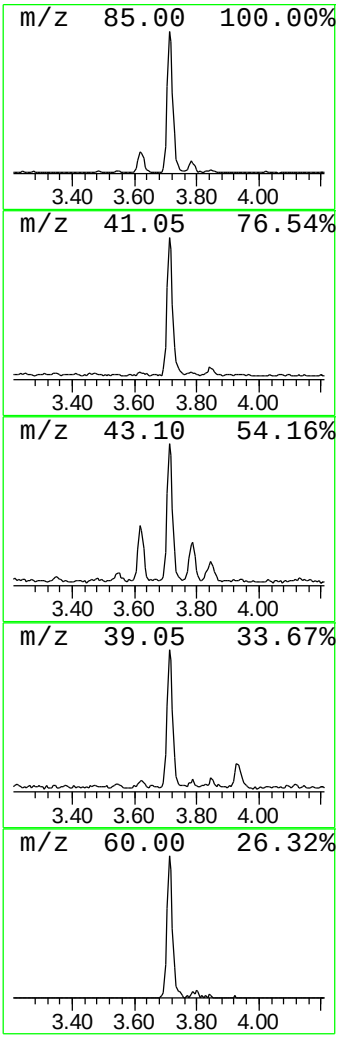
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2H-Pyran, tetrahydro-2-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.71	2.22 ng/ul	323614	1,4-Dichlorobenzene-d4	7.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	50
2	Thiazole	85	C3H3NS	000288-47-1	43
3	Oxirane, (2-methylpropyl)-	100	C6H12O	023850-78-4	38
4	Tetrahydrofuran, 2,2-dimethyl-	100	C6H12O	001003-17-4	33
5	5-Oxotetrahydrofuran-2-carboxyli...	130	C5H6O4	004344-84-7	28





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Sample : K5199-12
Misc :
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Instrument : BNA_M
ClientSampleId : BEP79

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

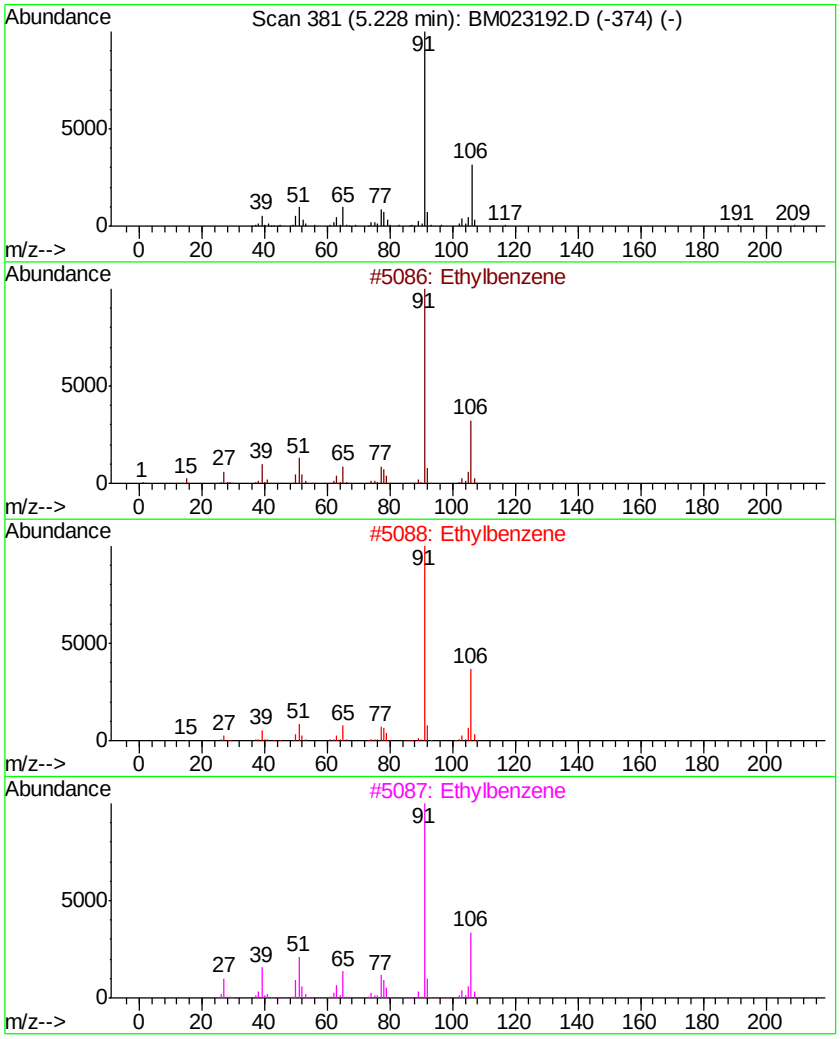
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

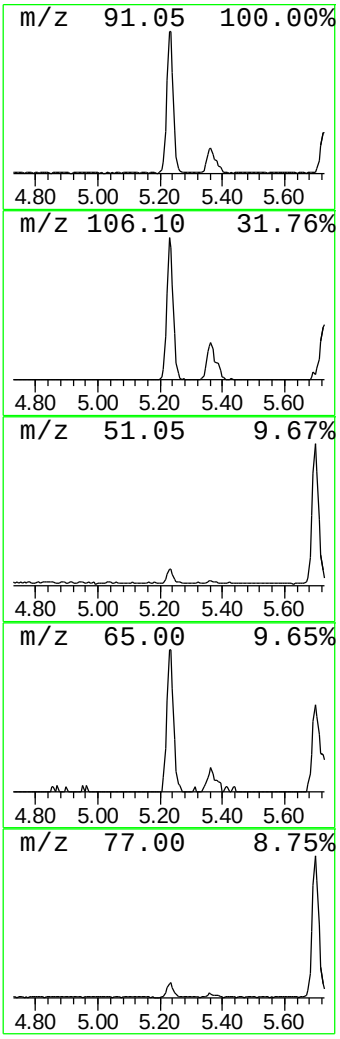
****

Peak Number 2 Ethylbenzene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.23	2.19 ng/ul	318575	1,4-Dichlorobenzene-d4	7.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylbenzene	106	C8H10	000100-41-4	94
2	Ethylbenzene	106	C8H10	000100-41-4	90
3	Ethylbenzene	106	C8H10	000100-41-4	87
4	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	87
5	Ethylbenzene	106	C8H10	000100-41-4	83





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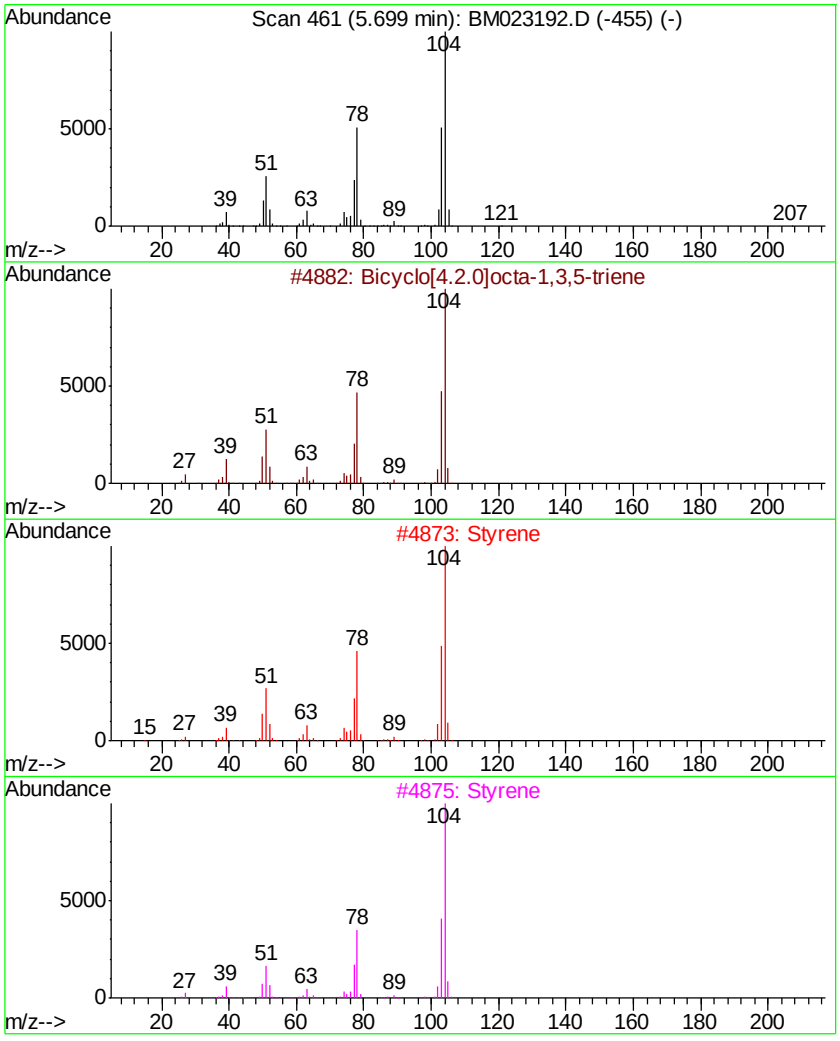
Quant Title : SVOA CALIBRATION

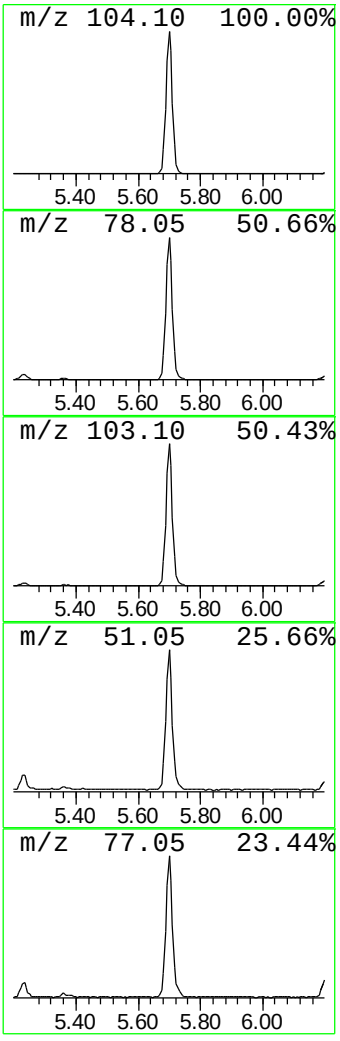
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.70	12.82 ng/ul	1867340	1,4-Dichlorobenzene-d4	7.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	96
2	Styrene	104	C8H8	000100-42-5	96
3	Styrene	104	C8H8	000100-42-5	95
4	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	95
5	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	95





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : BEP79

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

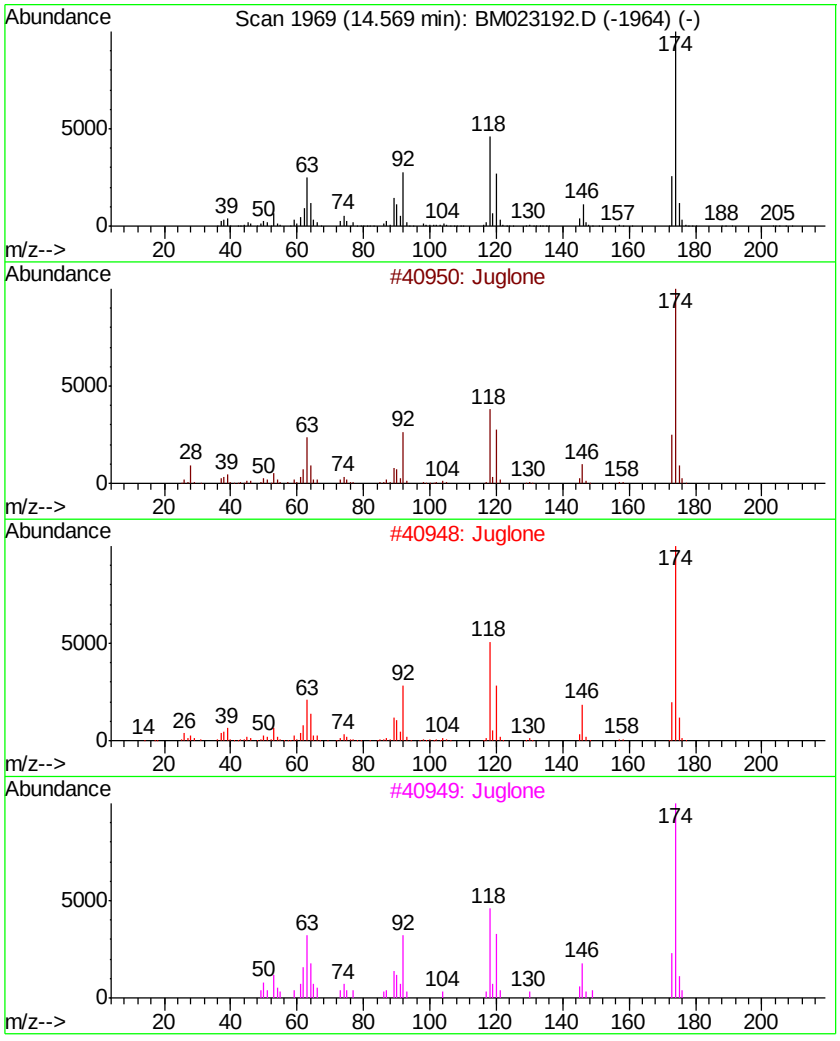
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

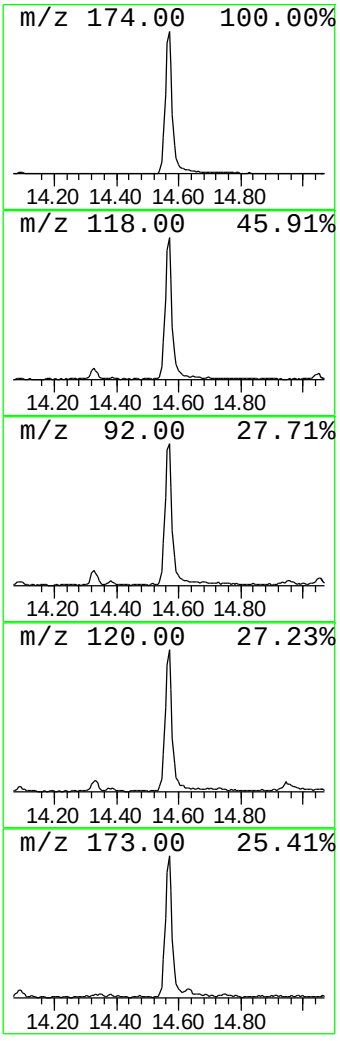
****

Peak Number 4 Juglone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	3.96 ng/ul	1099710	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Juglone	174	C10H6O3	000481-39-0	98
2	Juglone	174	C10H6O3	000481-39-0	91
3	Juglone	174	C10H6O3	000481-39-0	87
4	8-Quinolinol, 5-nitroso-	174	C9H6N2O2	003565-26-2	43
5	Thieno[3,2-e]benzofuran	174	C10H6OS	000438-27-7	38





Library Search Compound Report

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ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP79

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

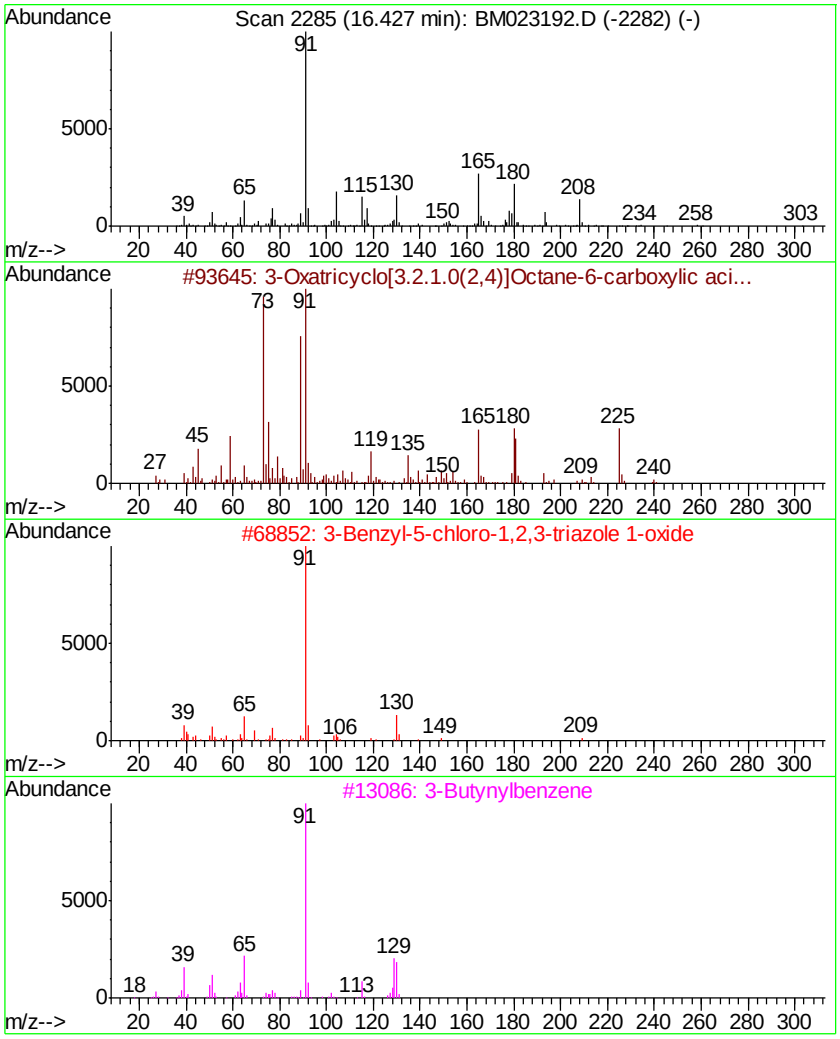
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

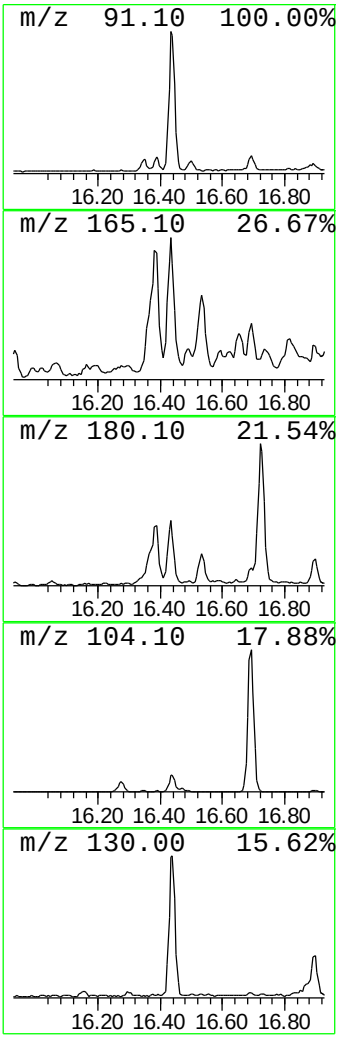
****

Peak Number 5 unknown-01 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	4.75 ng/ul	1247780	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Oxatricyclo[3.2.1.0(2,4)]Octan...	240	C12H20O3Si	067957-47-5	35
2	3-Benzyl-5-chloro-1,2,3-triazole...	209	C9H8ClN3O	116932-67-3	20
3	3-Butynylbenzene	130	C10H10	016520-62-0	18
4	2-Benzyloxyphenylacetonitrile	223	C15H13NO	092552-22-2	15
5	N-Benzyl-1H-benzimidazole	208	C14H12N2	004981-92-4	14





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Acq On : 16 Oct 2019 13:45
Operator : JU
Sample : K5199-12
Misc :
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Instrument : BNA_M
ClientSampleId : BEP79

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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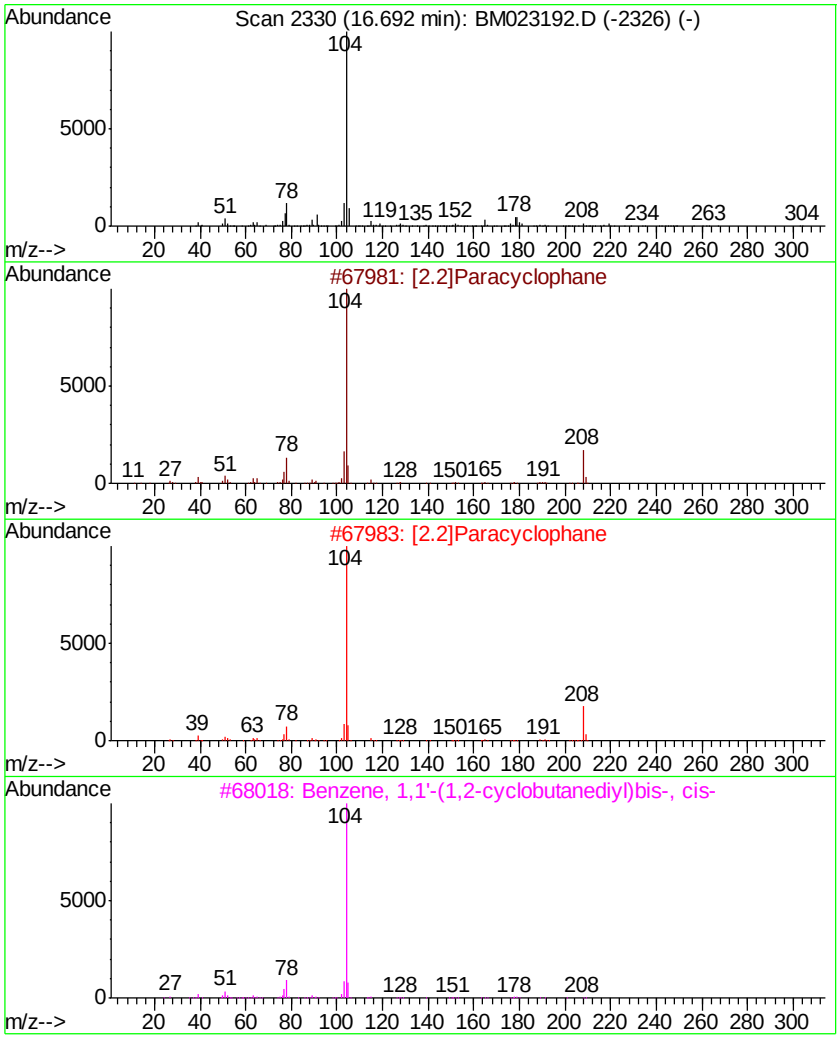
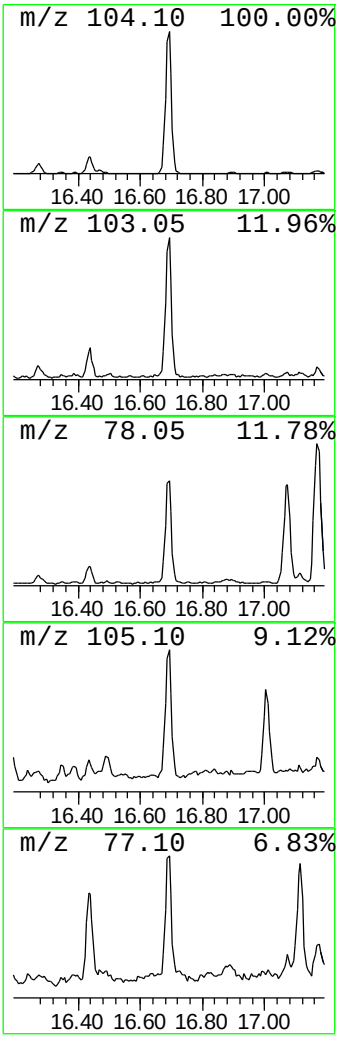
Peak Number 6 [2.2]Paracyclophane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	4.65 ng/ul	1221970	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[2.2]Paracyclophane	208	C16H16	001633-22-3	74
2	[2.2]Paracyclophane	208	C16H16	001633-22-3	72
3	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	72
4	Cyclobuta[a]dibenzo[c,f]cyclohep...	234	C17H14O	060548-96-1	56
5	Cyclobutane, 1,3-diphenyl-, trans-	208	C16H16	025558-23-0	56





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ClientSampleId : BEP79

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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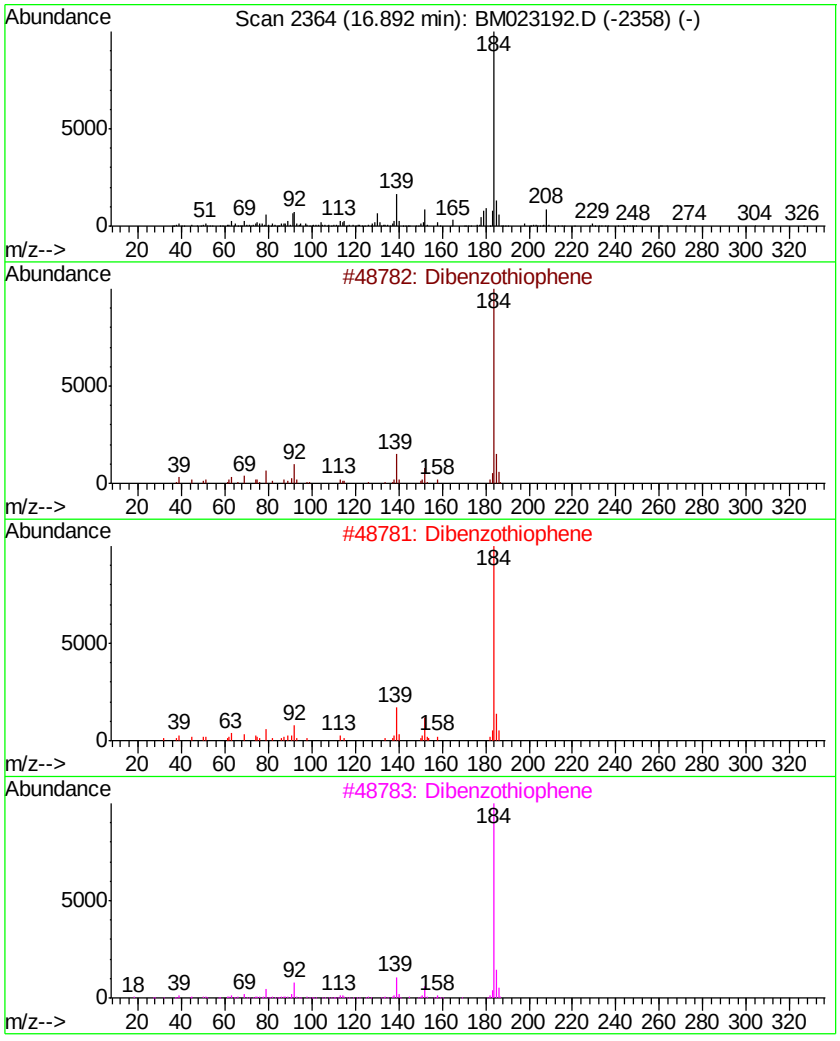
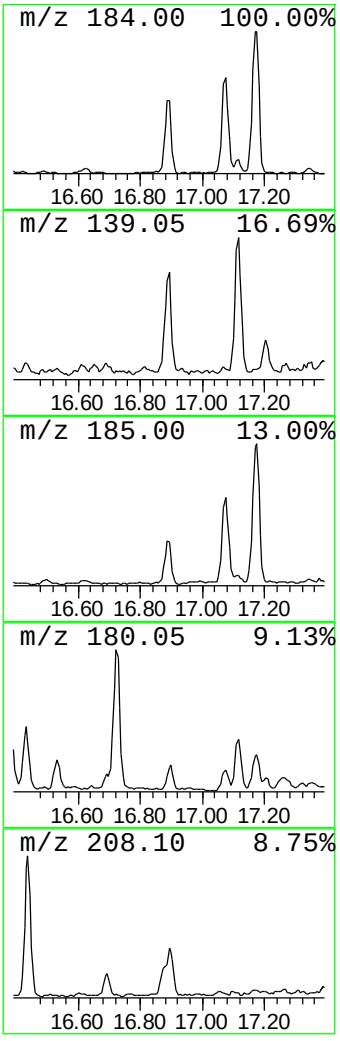
Peak Number 7 Dibenzothiophene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	2.88 ng/ul	757098	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	90
3	Dibenzothiophene	184	C12H8S	000132-65-0	81
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	81
5	Dibenzothiophene	184	C12H8S	000132-65-0	81





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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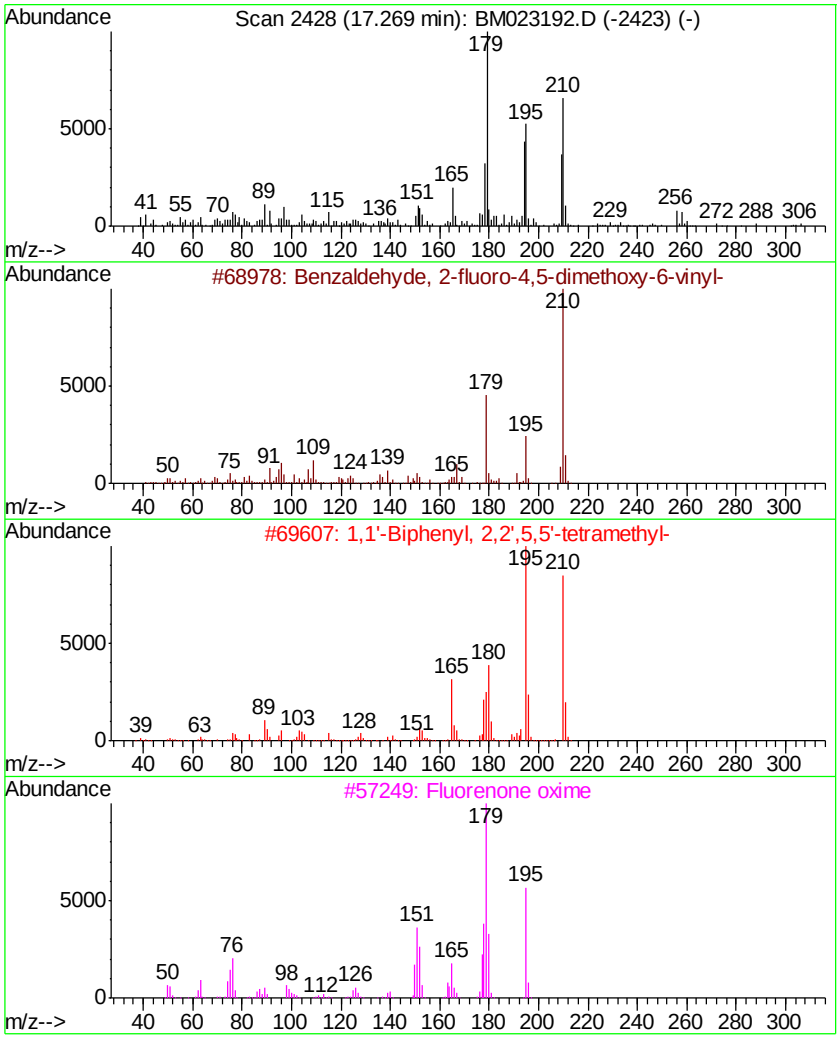
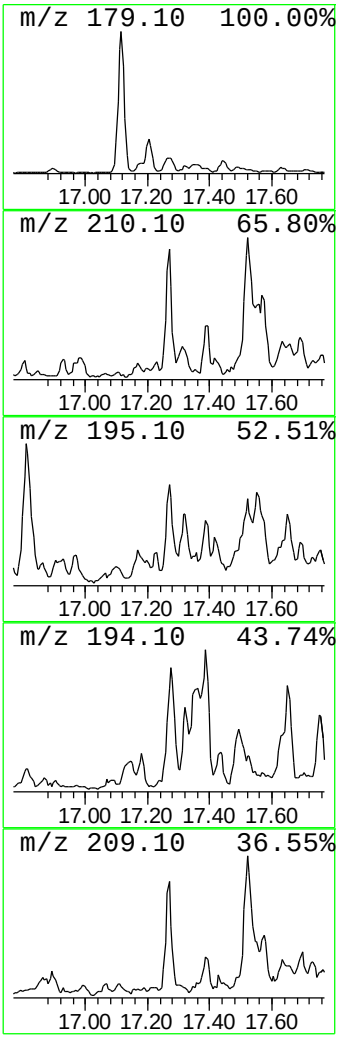
Peak Number 8 unknown-02 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	2.30 ng/ul	605916	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 2-fluoro-4,5-dimet...	210	C11H11FO3	1000116-53-5	46
2	1,1'-Biphenyl, 2,2',5,5'-tetrame...	210	C16H18	003075-84-1	46
3	Fluorenone oxime	195	C13H9NO	002157-52-0	46
4	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	43
5	3,5,3',5'-Tetramethylbiphenyl	210	C16H18	025570-02-9	42





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Instrument : BNA_M
ClientSampleId : BEP79

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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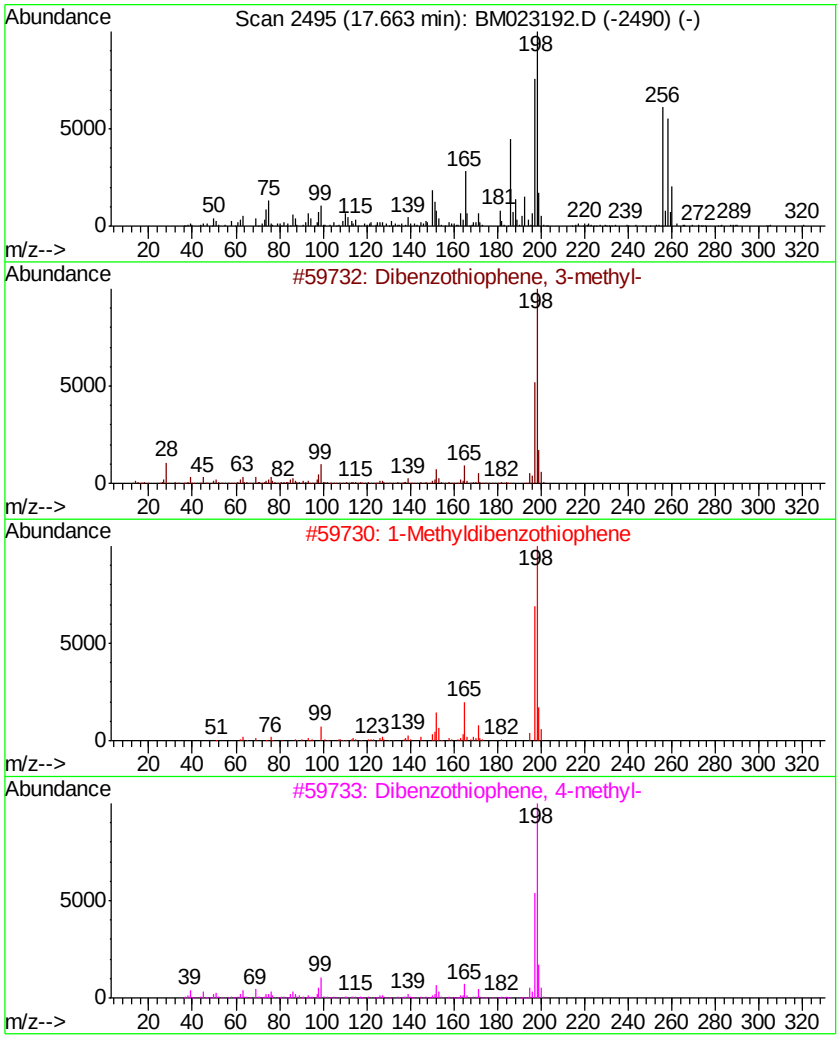
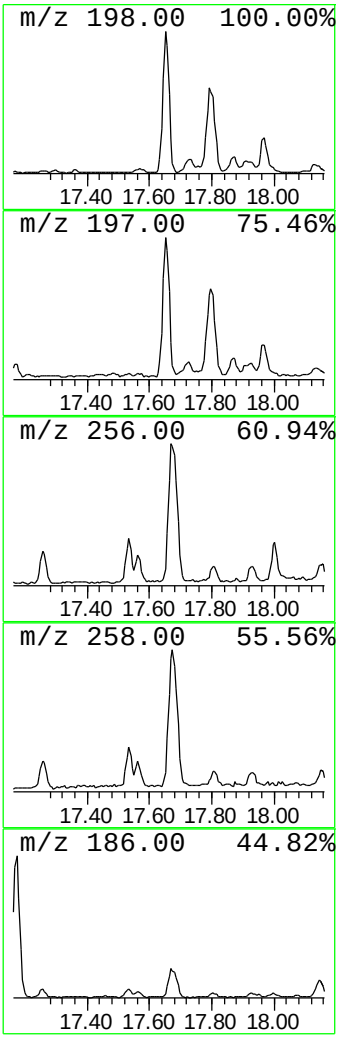
Peak Number 9 Dibenzothiophene, 3-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	3.26 ng/ul	856682	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	70
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	64
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	58
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	52
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	52





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Instrument : BNA_M
ClientSampleId : BEP79

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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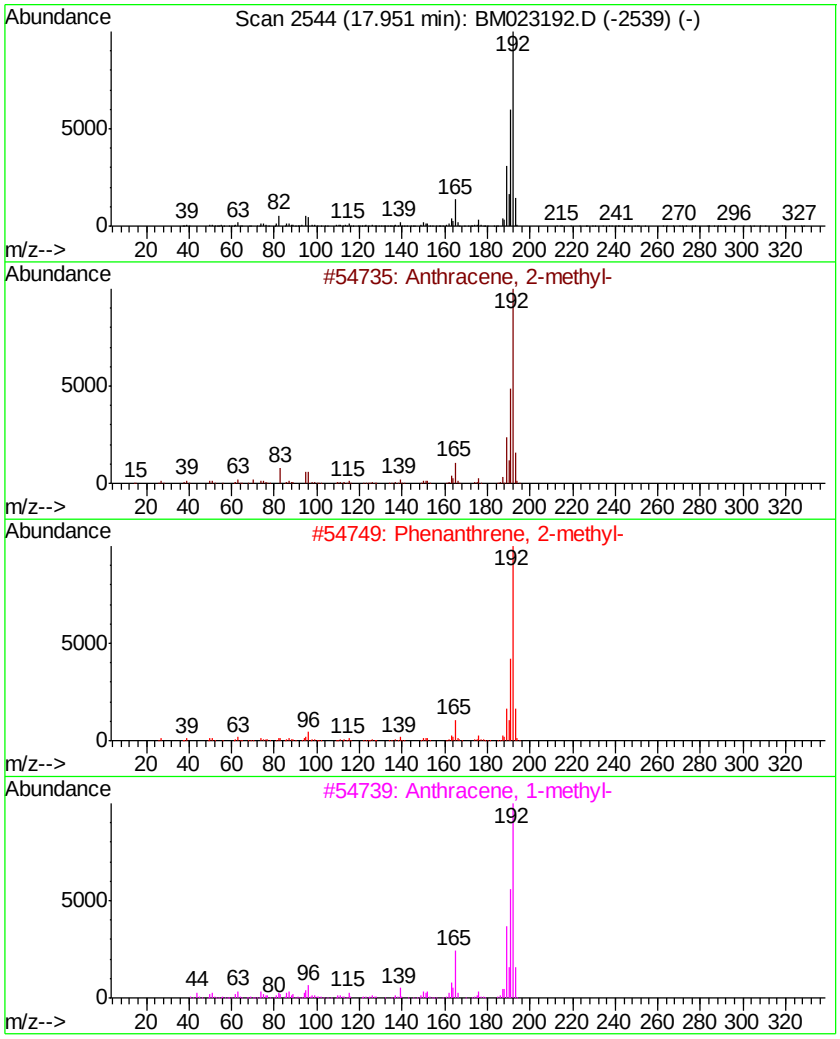
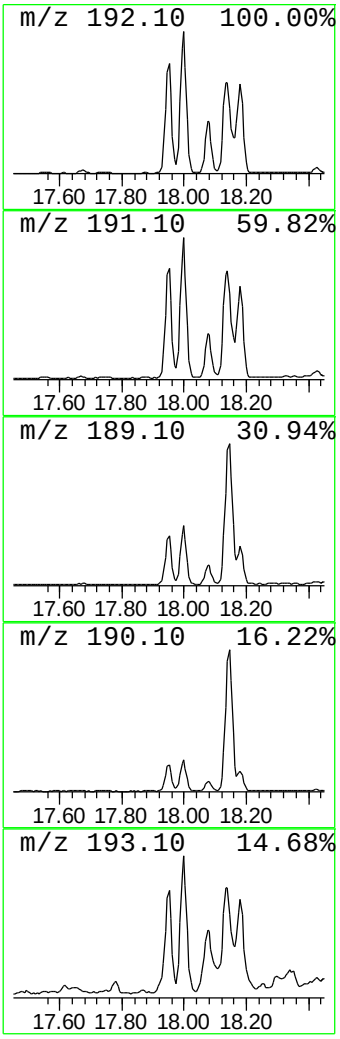
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	7.57 ng/ul	1991290	Phenanthrene-d10	17.07

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





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ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP79

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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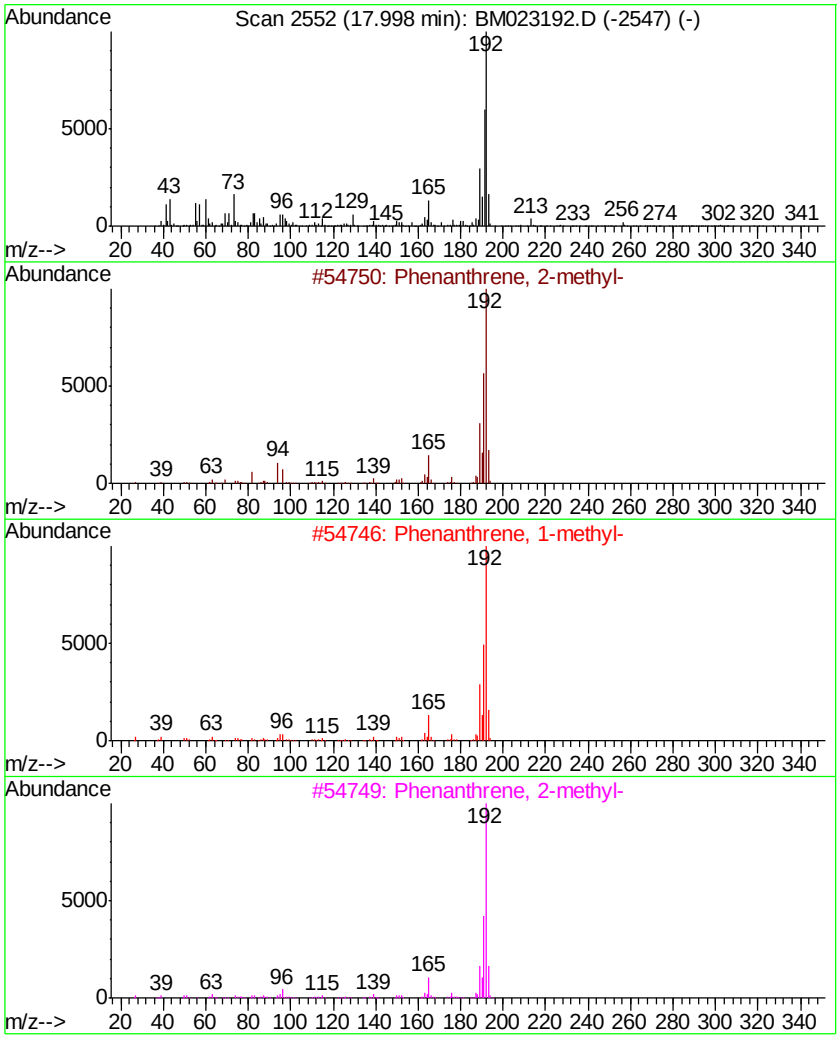
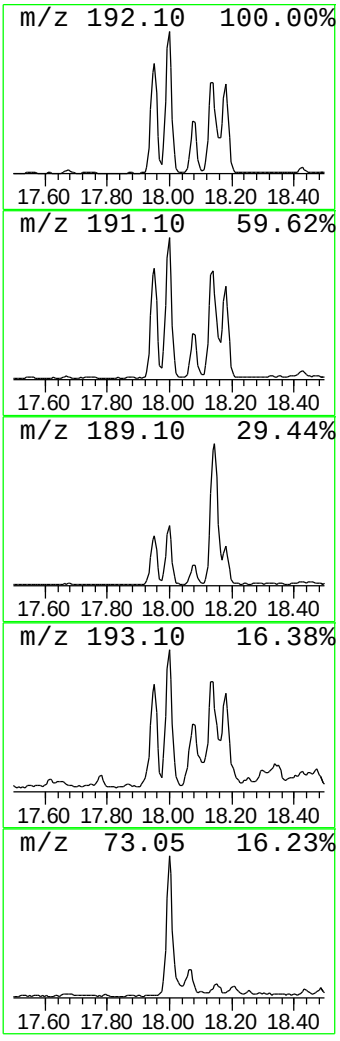
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	15.22 ng/ul	4001750	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP79

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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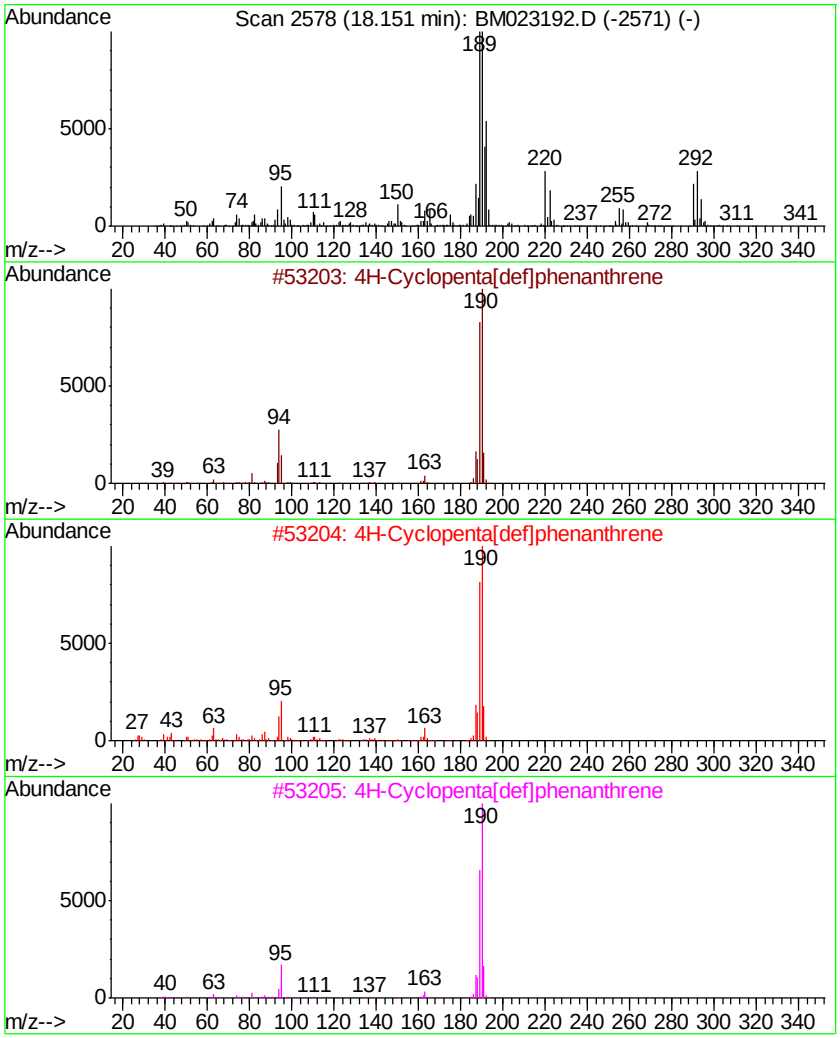
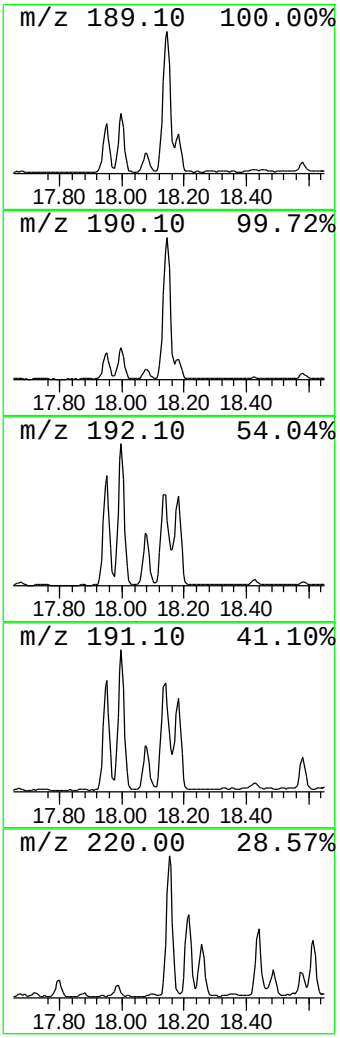
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	20.22 ng/ul	5317330	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
4	Methyl diselenide	190	C2H6Se2	007101-31-7	42
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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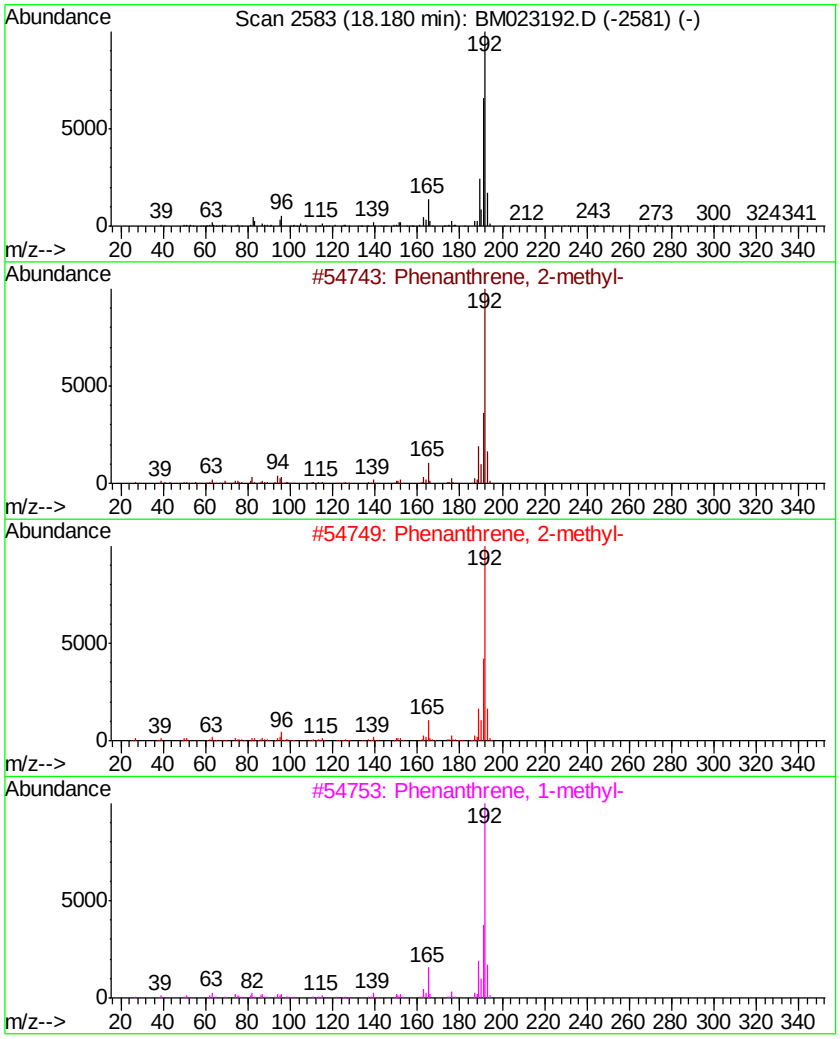
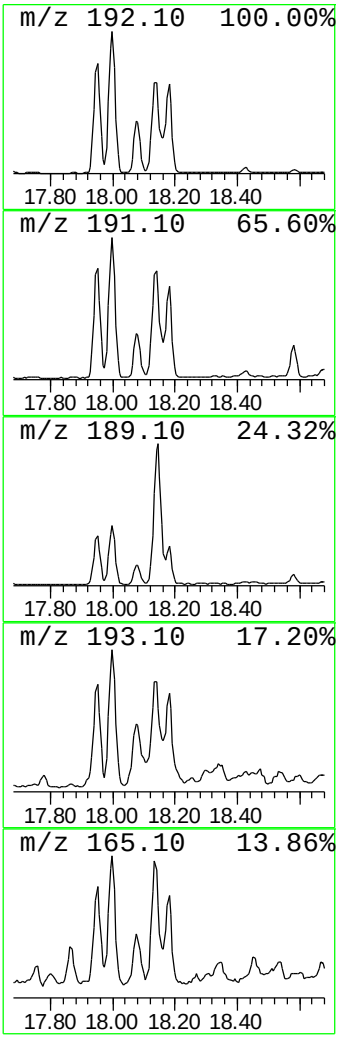
Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	3.63 ng/ul	953519	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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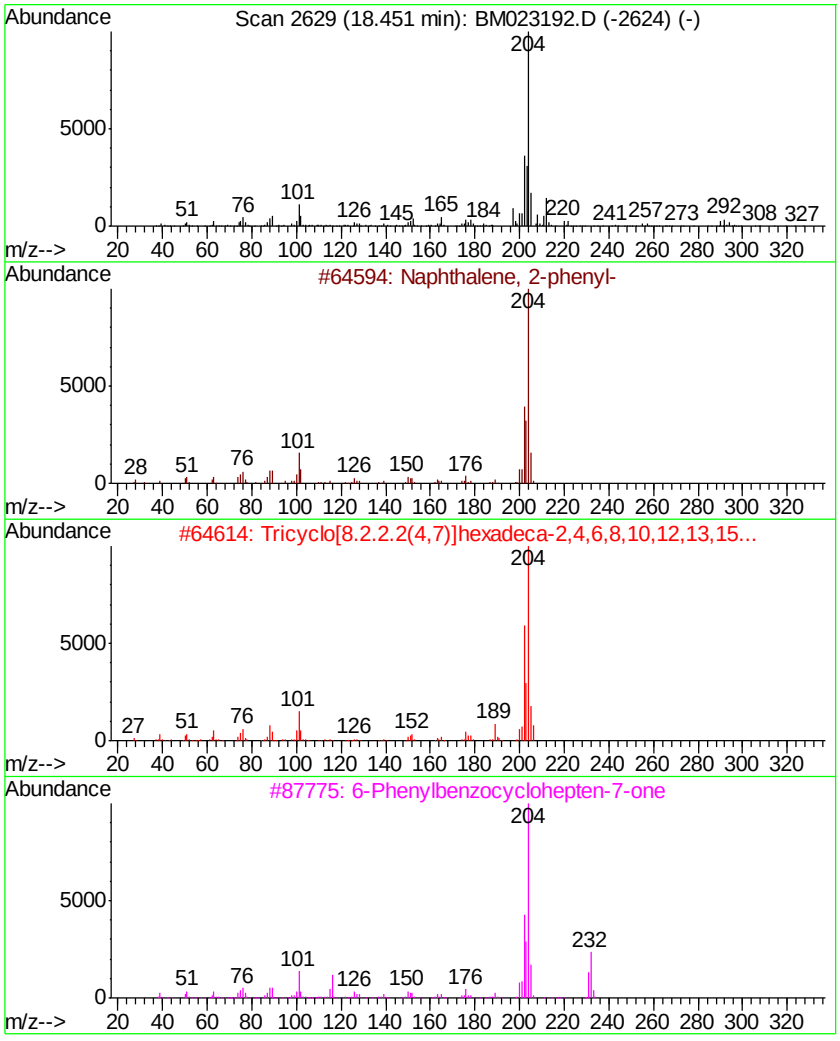
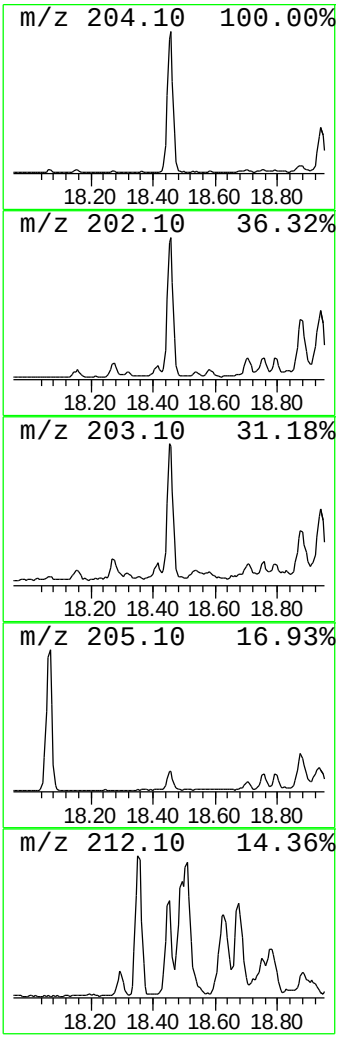
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	5.99 ng/ul	1575920	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	72
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	68





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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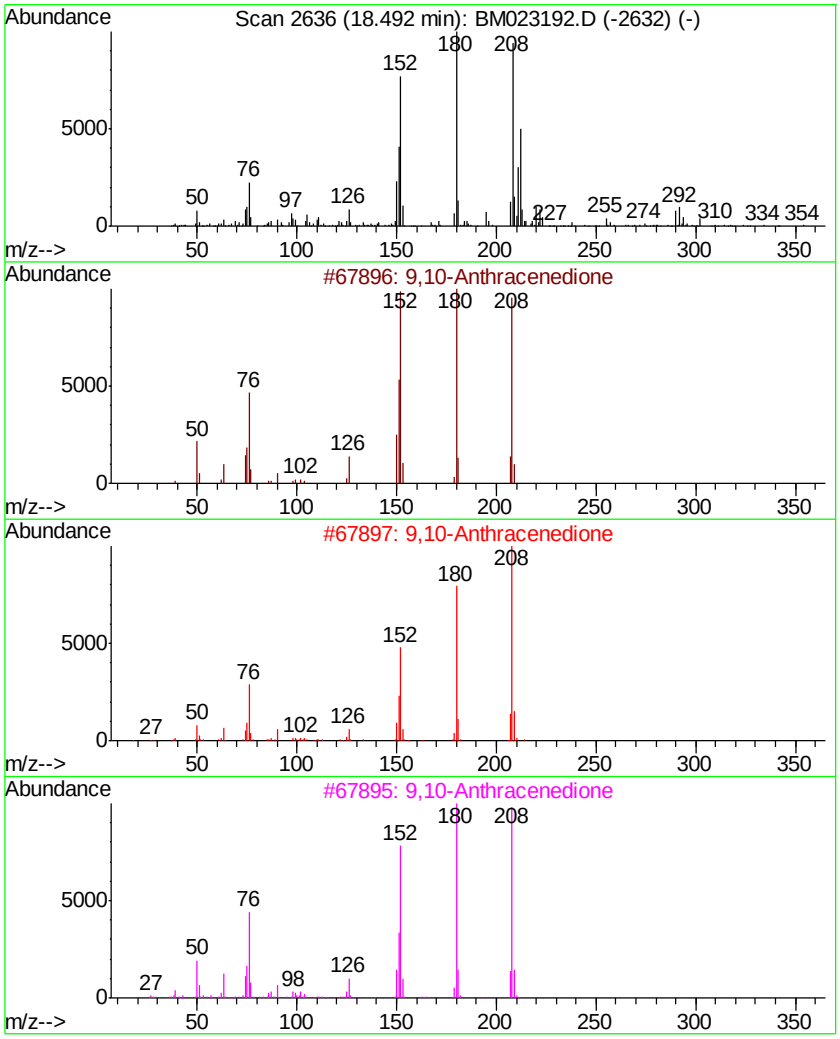
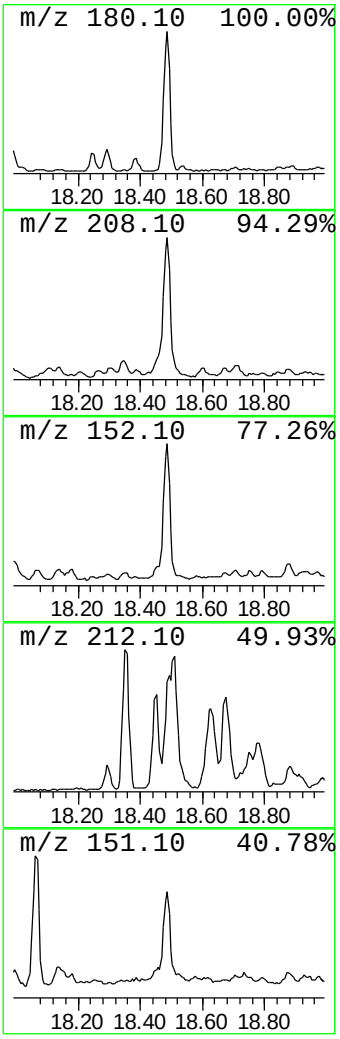
Peak Number 15 9,10-Anthracenedione Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	3.55 ng/ul	933657	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
5	Diphenic anhydride	224	C14H8O3	006050-13-1	60





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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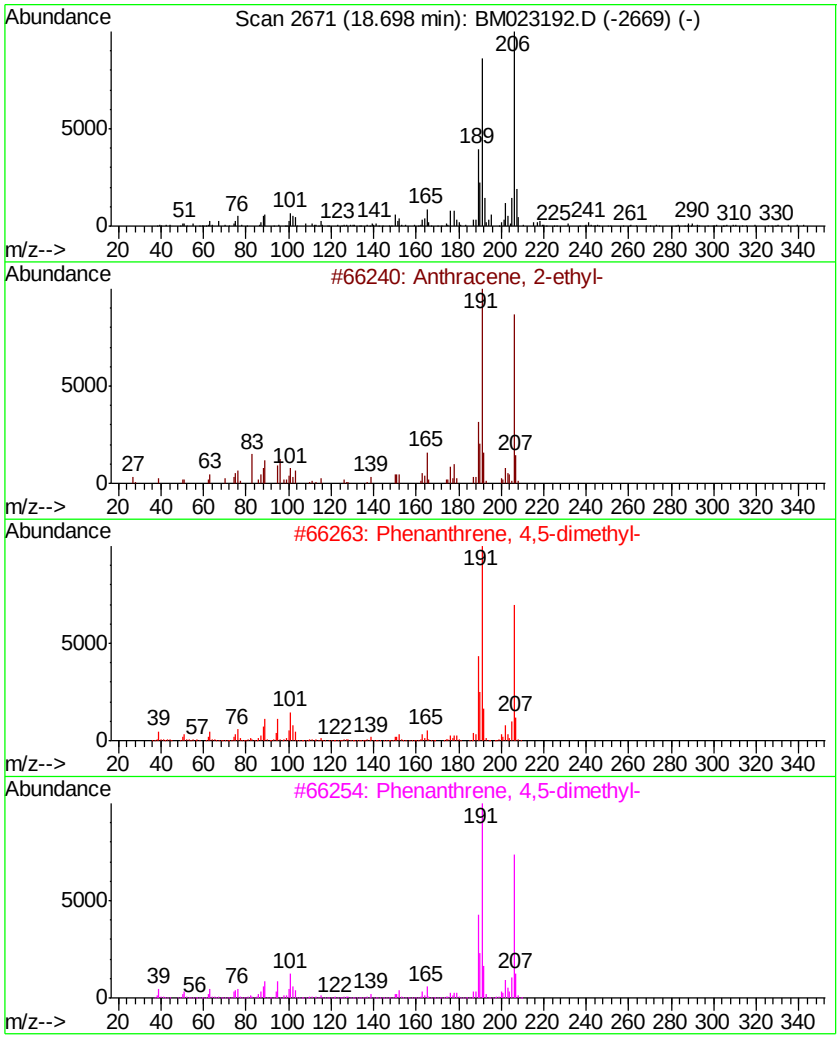
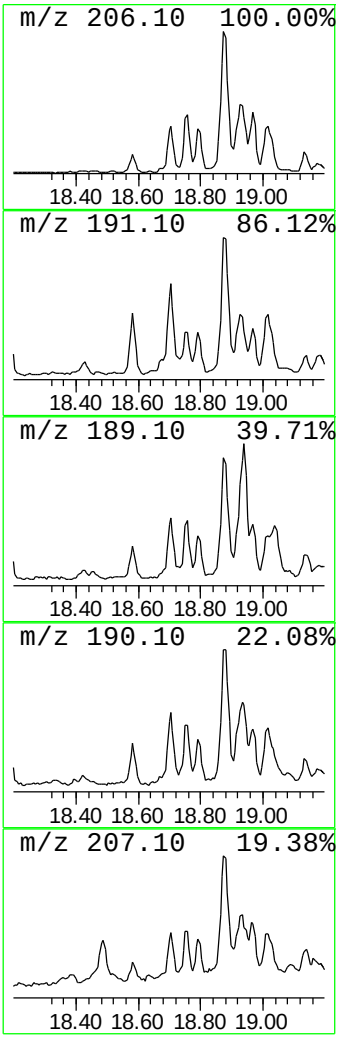
Peak Number 16 Anthracene, 2-ethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	2.70 ng/ul	708658	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	95
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91





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ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP79

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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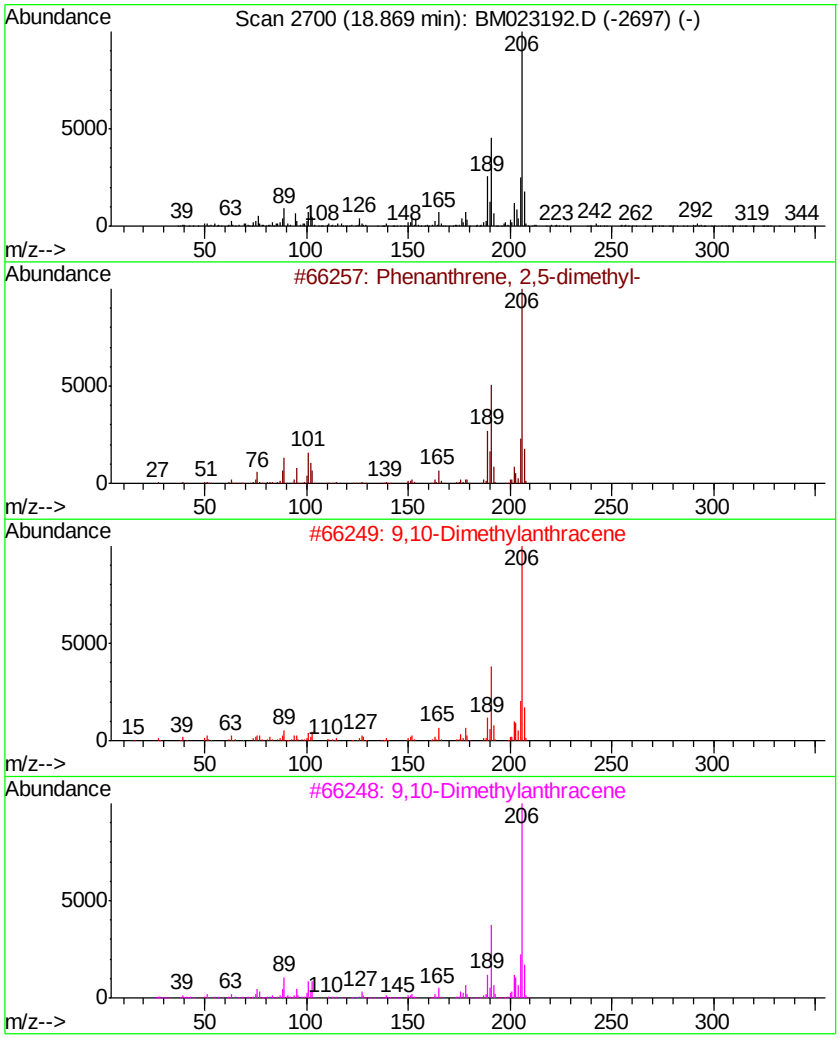
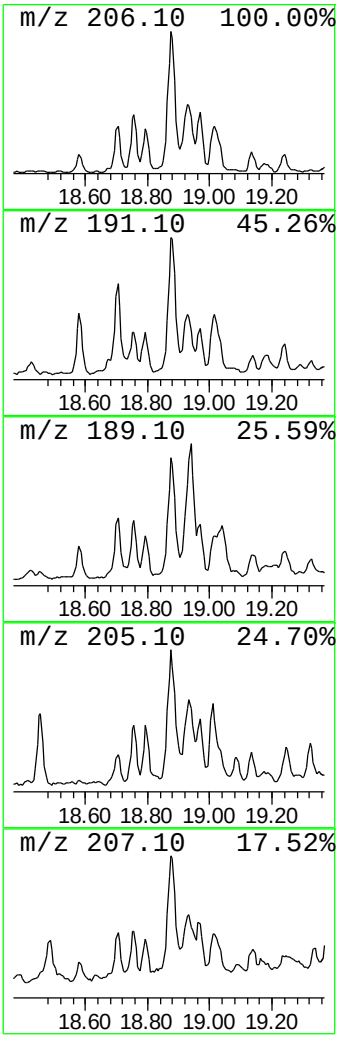
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	8.41 ng/ul	2211350	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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Acq On : 16 Oct 2019 13:45
Operator : JU
Sample : K5199-12
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP79

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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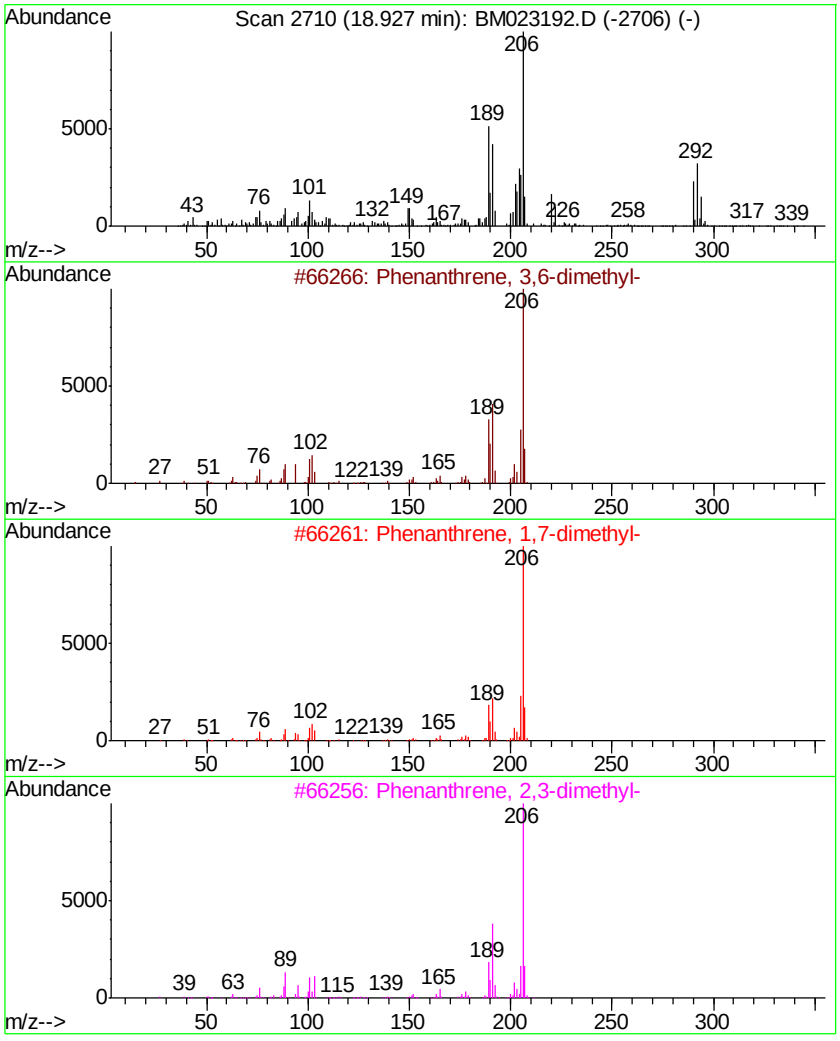
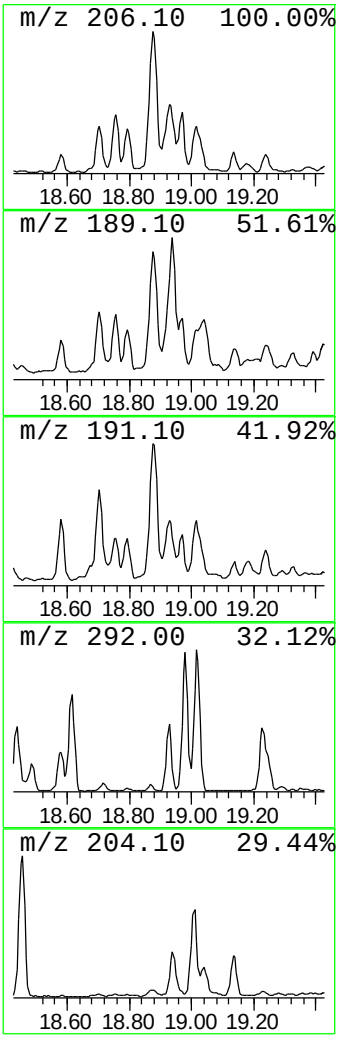
Peak Number 18 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	7.69 ng/ul	2022570	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	55
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	46
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	46
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	46





Library Search Compound Report

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ClientSampleId : BEP79

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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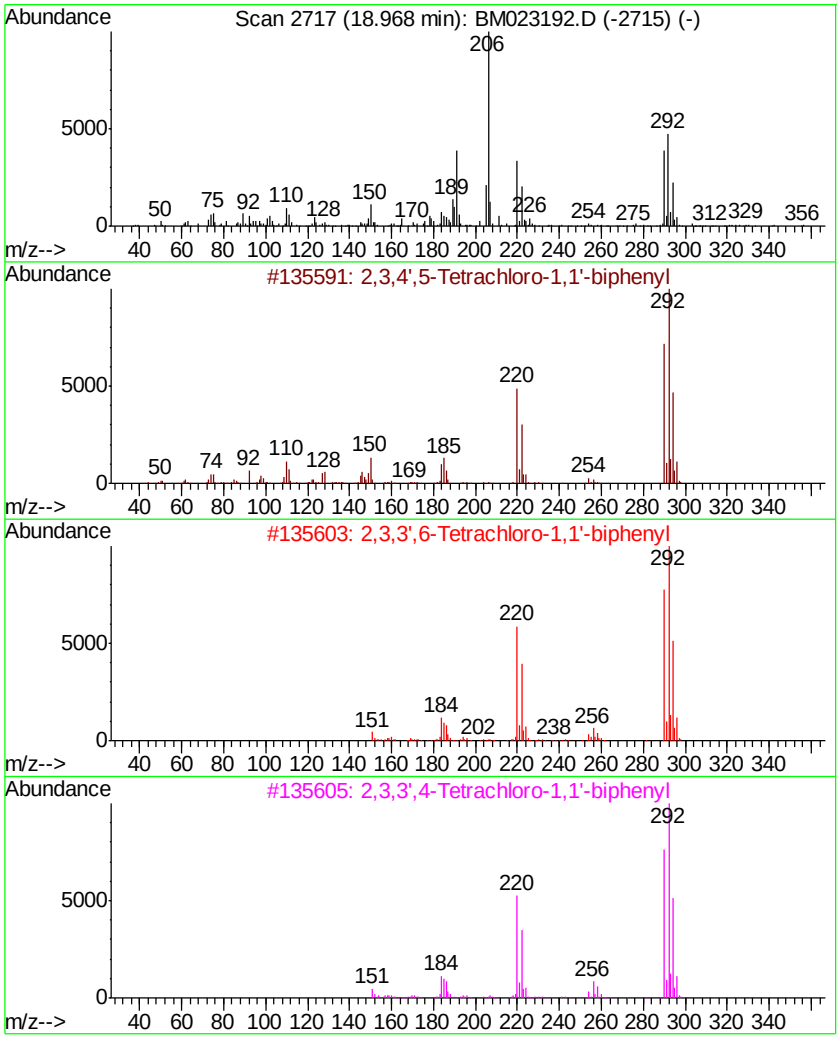
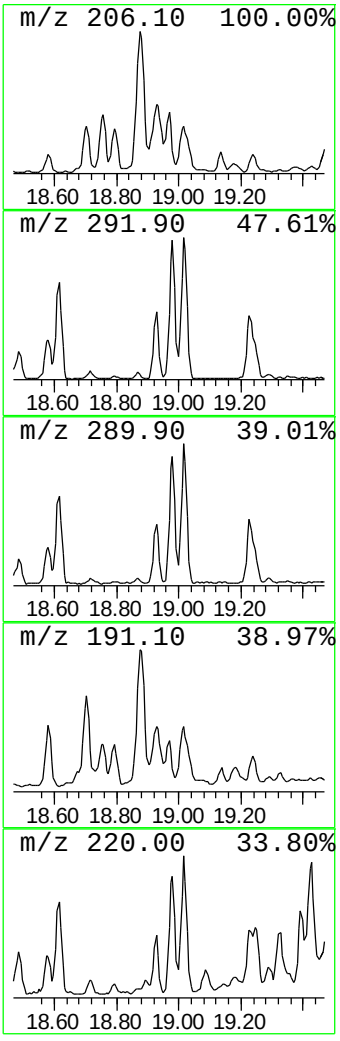
Peak Number 19 2,3,4',5-Tetrachloro-1,1'-b... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	3.46 ng/ul	908511	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4',5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-34-7	95
2	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	95
3	2,3,3',4-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-24-2	95
4	2,3,4,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	054230-22-7	95
5	1,1'-Biphenyl, 2,2',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	95





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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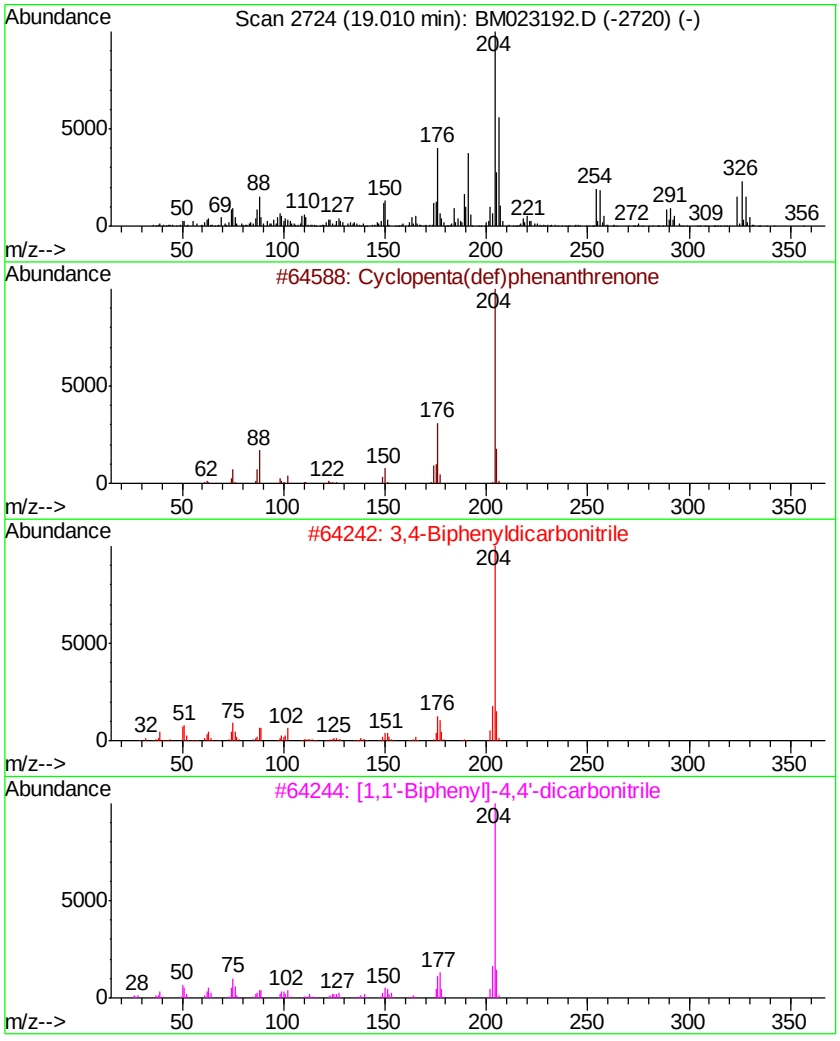
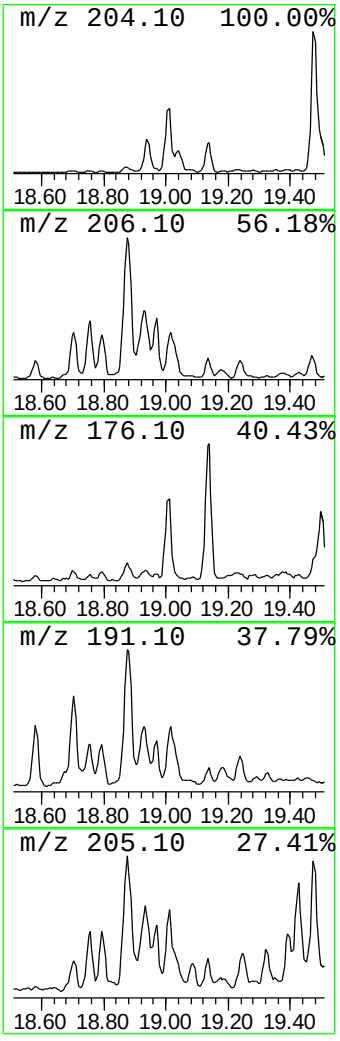
Peak Number 20 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	10.14 ng/ul	2666650	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	50
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	27
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	25
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	25
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	25





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ClientSampleId : BEP79

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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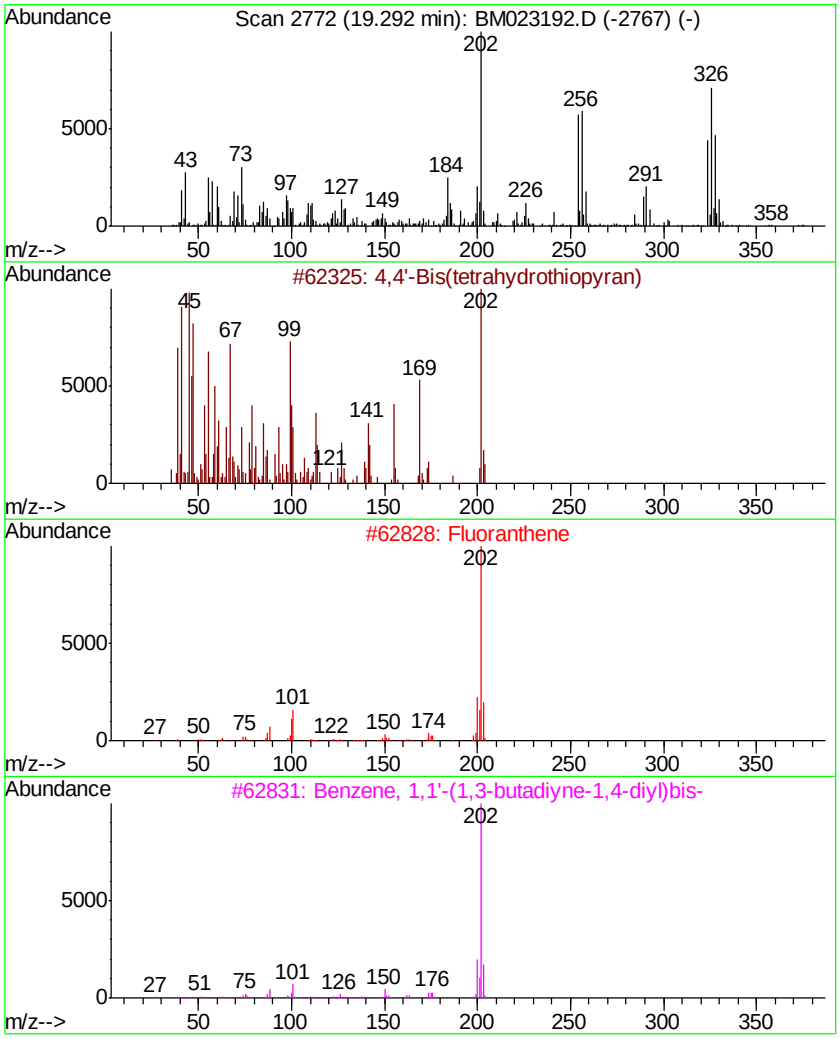
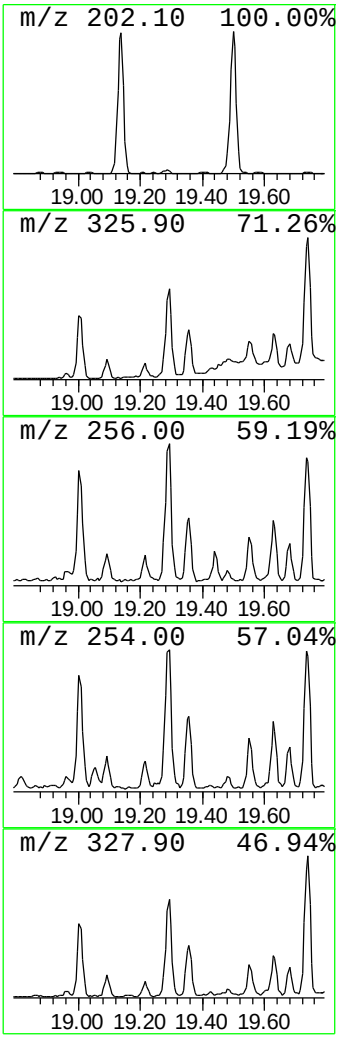
Peak Number 21 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	2.10 ng/ul	1751640	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	91
2	Fluoranthene	202	C16H10	000206-44-0	40
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	25
4	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	25
5	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	25





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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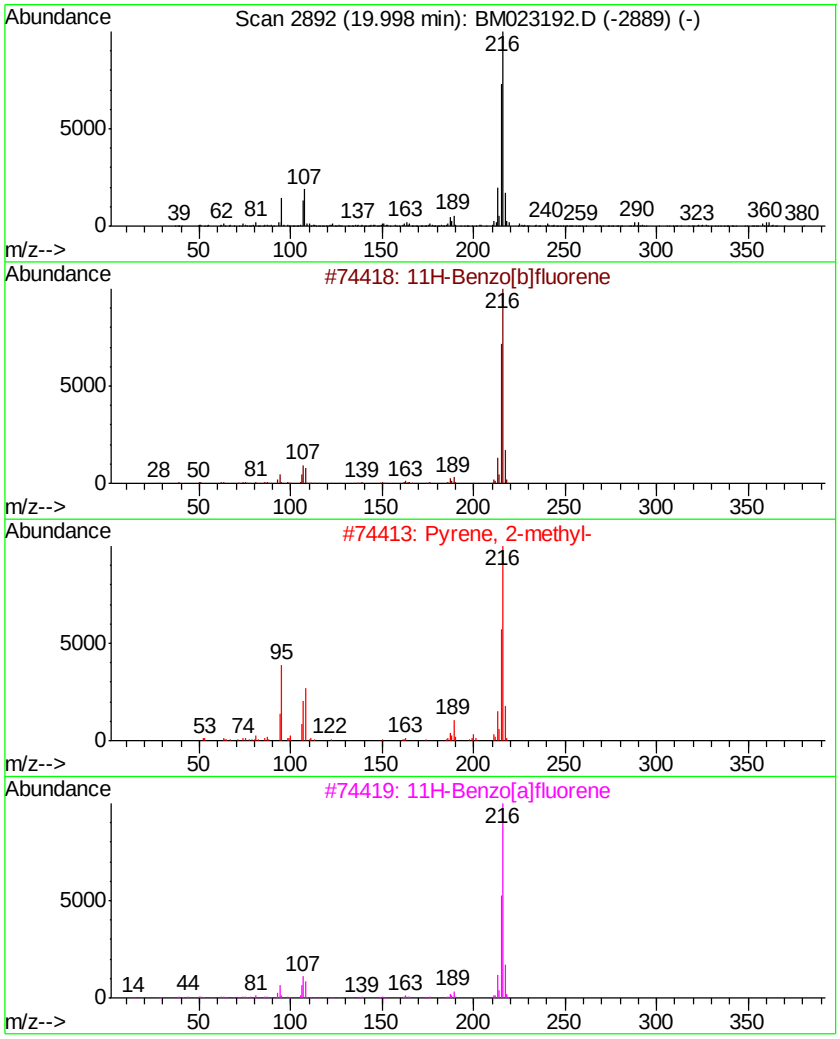
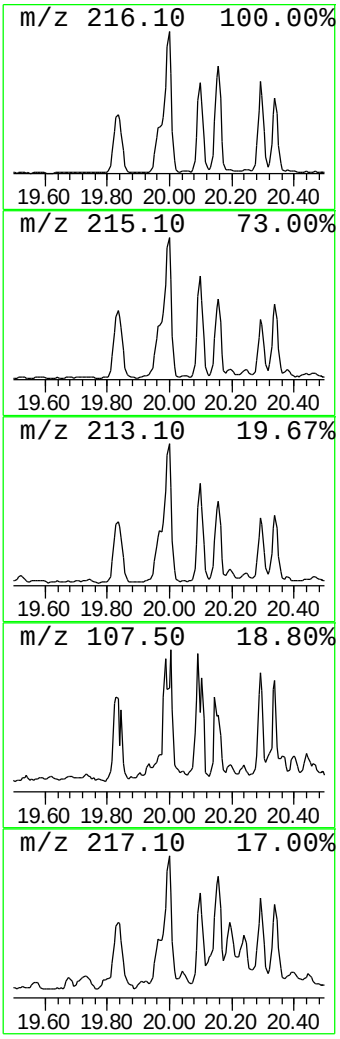
Peak Number 22 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	4.11 ng/ul	3438160	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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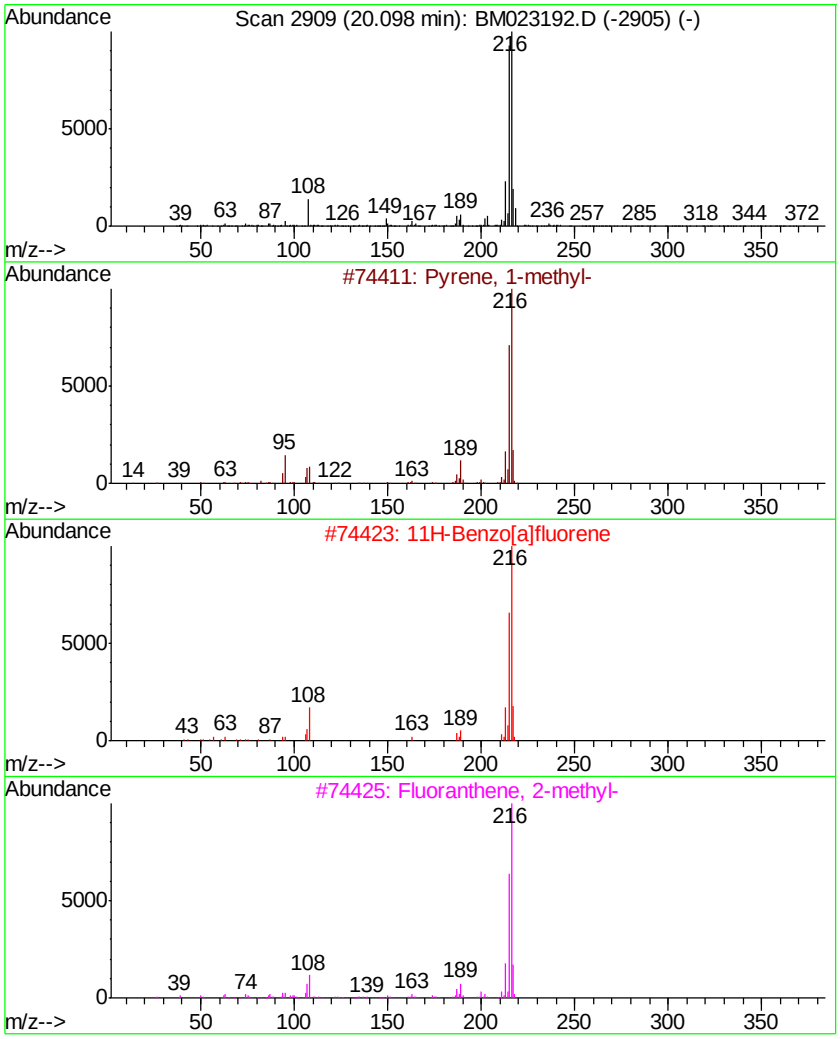
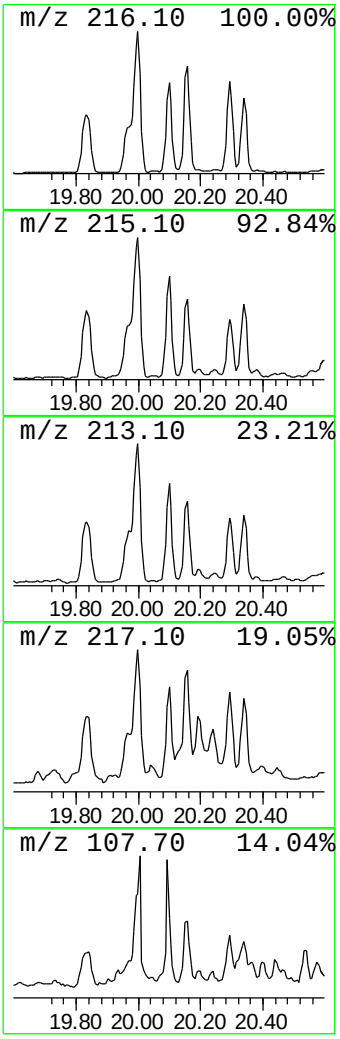
Peak Number 23 Pyrene, 1-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.50 ng/ul	2092840	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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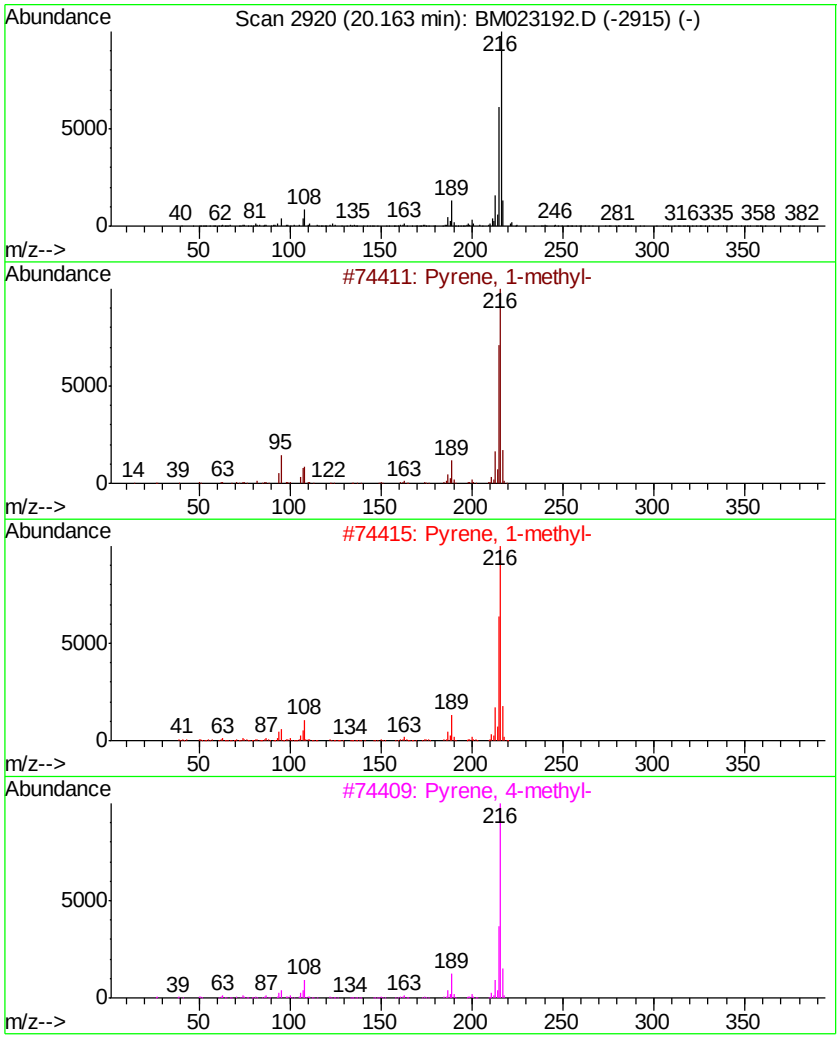
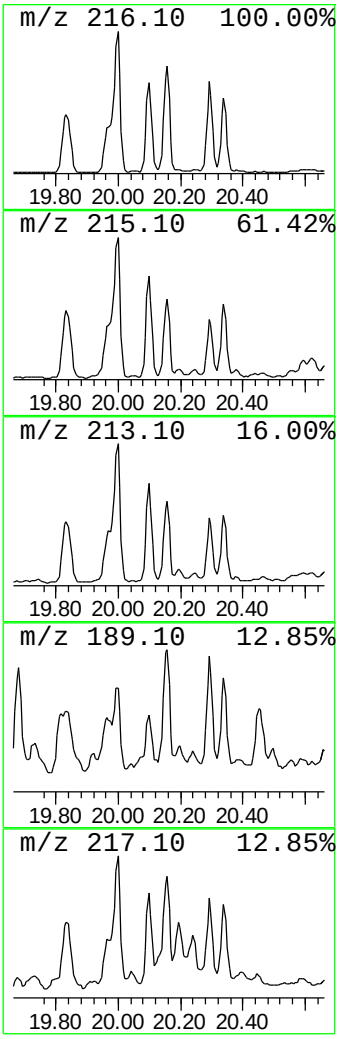
Peak Number 24 Pyrene, 4-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	2.74 ng/ul	2285950	Chrysene-d12	21.26

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	97
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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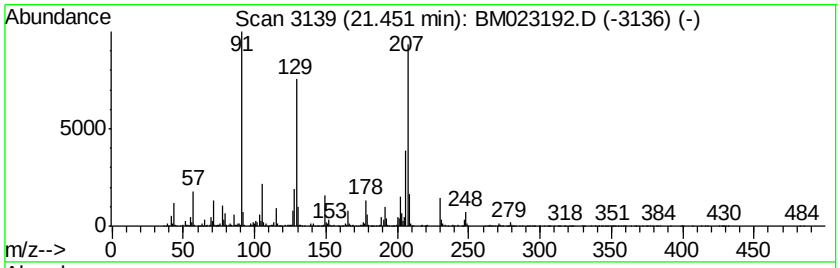
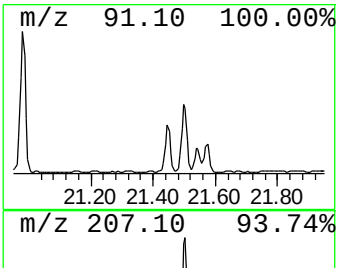
Peak Number 28 Methadone N-oxide Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.45	8.28 ng/ul	6920100	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methadone N-oxide	325	C21H27NO2	1000120-80-7	58
2	1-Propene, 3-(2-cyclopentenyl)-2...	274	C21H22	1000154-23-3	53
3	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	50
4	5-Methyl-2-phenylindolizine	207	C15H13N	036944-99-7	43
5	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	43





Library Search Compound Report

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Sample : K5199-12
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Instrument : BNA_M
ClientSampleId : BEP79

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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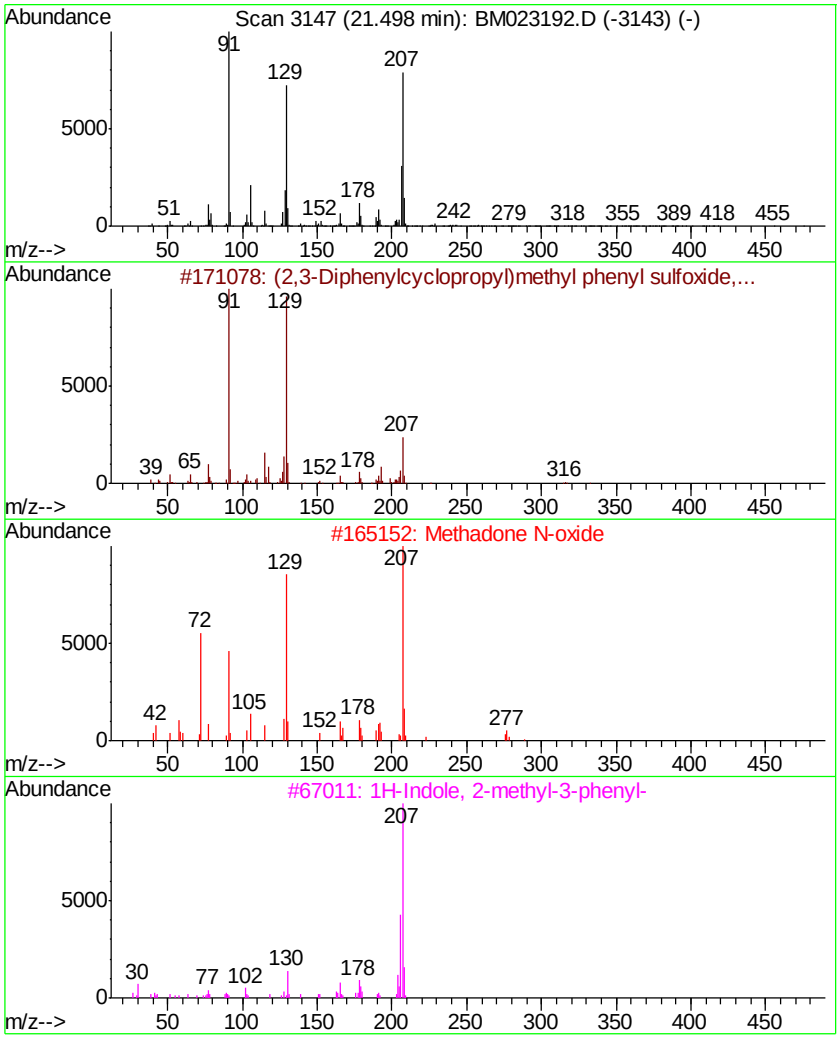
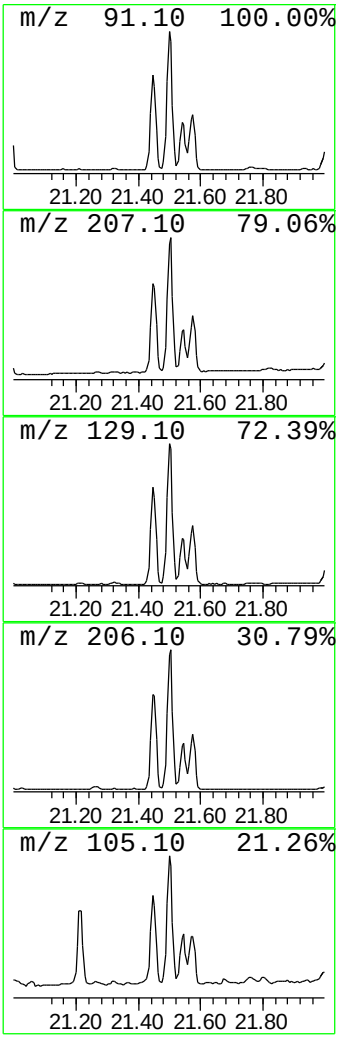
Peak Number 29 (2,3-Diphenylcyclopropyl)me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.50	10.21 ng/ul	8531830	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(2,3-Diphenylcyclopropyl)methyl ...	332	C22H20OS	131758-71-9	72
2	Methadone N-oxide	325	C21H27NO2	1000120-80-7	64
3	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	53
4	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	50
5	1-benzylindole	207	C15H13N	1000334-31-3	43





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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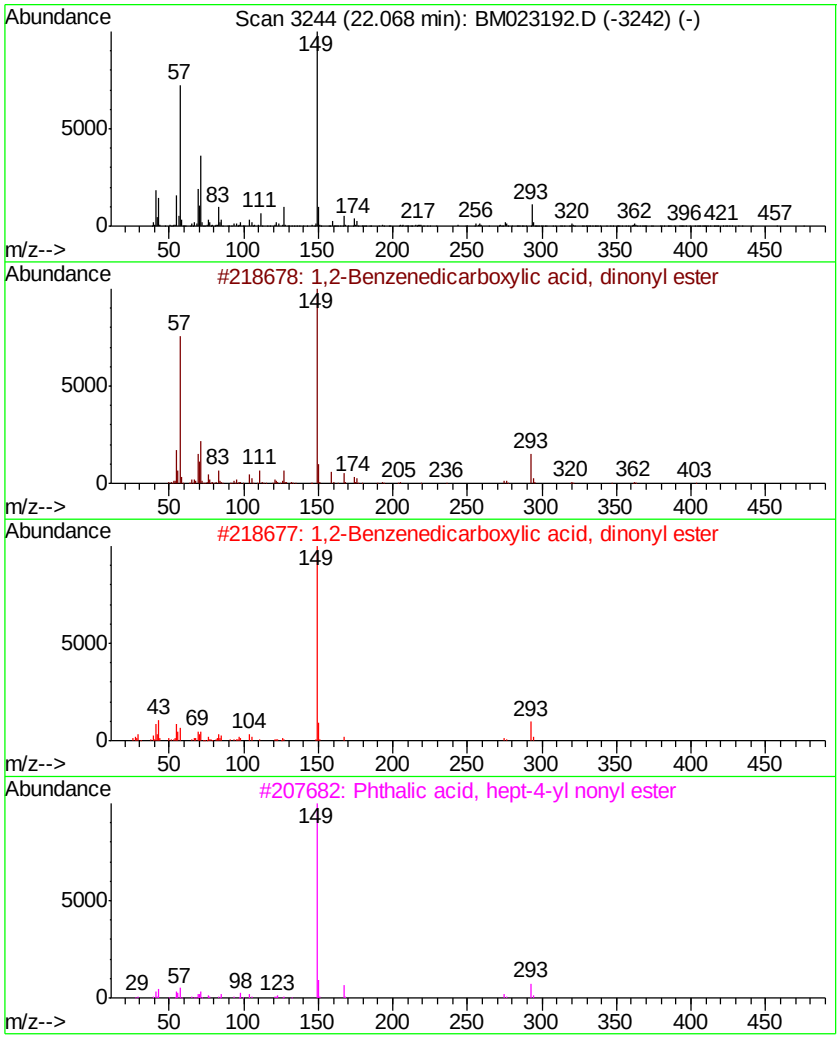
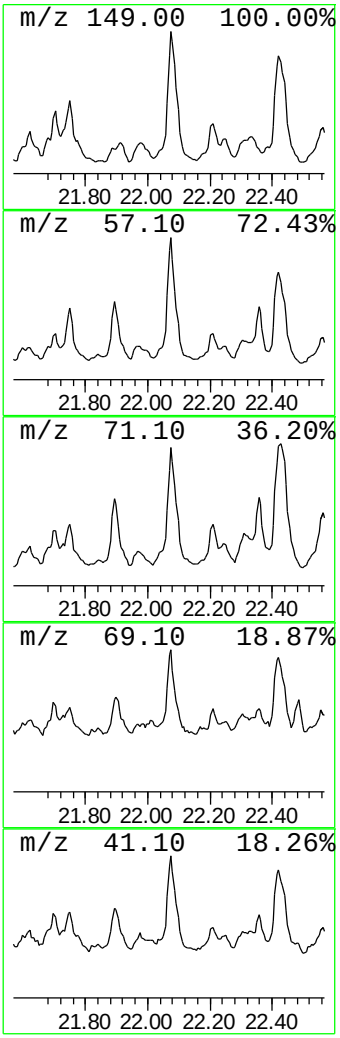
Peak Number 33 1,2-Benzenedicarboxylic aci... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.07	9.21 ng/ul	7698710	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, di...	418	C26H42O4	000084-76-4	90
2	1,2-Benzenedicarboxylic acid, di...	418	C26H42O4	000084-76-4	64
3	Phthalic acid, hept-4-yl nonyl e...	390	C24H38O4	1000356-79-0	59
4	Phthalic acid, cycloheptyl nonyl...	388	C24H36O4	1000322-83-4	59
5	Phthalic acid, nonyl trans-dec-3...	430	C27H42O4	1000360-50-5	58





Tentatively Identified Compound (LSC) summary

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Operator : JU
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2H-Pyran, tetrahy...	3.71	2.2	ng/ul	323614	1	7.69	2912750	20.0
Ethylbenzene	5.23	2.2	ng/ul	318575	1	7.69	2912750	20.0
Bicyclo[4.2.0]oct...	5.70	12.8	ng/ul	1867340	1	7.69	2912750	20.0
Juglone	14.57	4.0	ng/ul	1099710	3	14.33	5553530	20.0
unknown-01	16.43	4.8	ng/ul	1247780	4	17.07	5258460	20.0
[2.2]Paracyclophane	16.69	4.7	ng/ul	1221970	4	17.07	5258460	20.0
Dibenzothiophene	16.89	2.9	ng/ul	757098	4	17.07	5258460	20.0
unknown-02	17.27	2.3	ng/ul	605916	4	17.07	5258460	20.0
Dibenzothiophene,...	17.66	3.3	ng/ul	856682	4	17.07	5258460	20.0
Anthracene, 2-met...	17.95	7.6	ng/ul	1991290	4	17.07	5258460	20.0
Phenanthrene, 2-m...	18.00	15.2	ng/ul	4001750	4	17.07	5258460	20.0
4H-Cyclopenta[def...	18.15	20.2	ng/ul	5317330	4	17.07	5258460	20.0
Phenanthrene, 1-m...	18.18	3.6	ng/ul	953519	4	17.07	5258460	20.0
Naphthalene, 2-ph...	18.45	6.0	ng/ul	1575920	4	17.07	5258460	20.0
9,10-Anthracenedione	18.49	3.5	ng/ul	933657	4	17.07	5258460	20.0
Anthracene, 2-ethyl-	18.70	2.7	ng/ul	708658	4	17.07	5258460	20.0
Phenanthrene, 2,5...	18.87	8.4	ng/ul	2211350	4	17.07	5258460	20.0
Phenanthrene, 3,6...	18.93	7.7	ng/ul	2022570	4	17.07	5258460	20.0
2,3,4',5-Tetrachl...	18.97	3.5	ng/ul	908511	4	17.07	5258460	20.0
Cyclopenta(def)ph...	19.01	10.1	ng/ul	2666650	4	17.07	5258460	20.0
4,4'-Bis(tetrahyd...	19.29	2.1	ng/ul	1751640	5	21.26	16713300	20.0
11H-Benzo[b]fluorene	20.00	4.1	ng/ul	3438160	5	21.26	16713300	20.0
Pyrene, 1-methyl-	20.10	2.5	ng/ul	2092840	5	21.26	16713300	20.0
Pyrene, 4-methyl-	20.16	2.7	ng/ul	2285950	5	21.26	16713300	20.0
Methadone N-oxide	21.45	8.3	ng/ul	6920100	5	21.26	16713300	20.0
(2,3-Diphenylcycl...	21.50	10.2	ng/ul	8531830	5	21.26	16713300	20.0
1,2-Benzenedicarb...	22.07	9.2	ng/ul	7698710	5	21.26	16713300	20.0