LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080320\
Data File : BM026980.D
Acq On : 03 Aug 2020 16:08
Operator : JU/CG
Sample : L3424-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

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-BM072720MA.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	6.840	648	655	663	rVB	128573	199144	1.26%	0.149%
2	6.998	675	682	689	rBV	93174	147849	0.94%	0.111%
3	7.198	710	716	722	rBV	127807	196392	1.24%	0.147%
4	7.663	788	795	801	rBV	454716	708557	4.48%	0.531%
5	8.198	880	886	895	rBV	81609	150549	0.95%	0.113%
6	8.363	907	914	920	rBV	146245	223517	1.41%	0.168%
7	8.804	983	989	994	rVB	114574	190725	1.21%	0.143%
8	9.522	1105	1111	1119	rBV	94085	157496	1.00%	0.118%
9	10.057	1195	1202	1211	rVB	150180	256866	1.62%	0.193%
10	10.433	1257	1266	1271	rBV	571465	998947	6.32%	0.749%
11	10.486	1271	1275	1283	rVV	141799	234862	1.49%	0.176%
12	10.569	1283	1289	1297	rVV	68413	139639	0.88%	0.105%
13	12.104	1543	1550	1558	rVB	121727	199604	1.26%	0.150%
14	12.322	1581	1587	1594	rVB	82176	130834	0.83%	0.098%
15	13.704	1818	1822	1826	rVV	230646	334645	2.12%	0.251%
16	13.751	1826	1830	1835	rVV2	89758	143210	0.91%	0.107%
17	13.986	1862	1870	1871	rBV	278469	418637	2.65%	0.314%
18	14.010	1871	1874	1885	rVB	786693	1249286	7.90%	0.936%
19	14.292	1915	1922	1928	rVV	819173	1247780	7.89%	0.935%
20	14.486	1949	1955	1964	rBV6	68880	136302	0.86%	0.102%
21	14.692	1984	1990	1995	rBV	230721	352423	2.23%	0.264%
22	15.286	2086	2091	2096	rBV	348269	484415	3.06%	0.363%
23	15.339	2096	2100	2107	rVV3	103846	169979	1.08%	0.127%
24	15.786	2172	2176	2183	rVB	89418	201258	1.27%	0.151%
25	16.010	2209	2214	2217	rBV3	105473	179921	1.14%	0.135%
26	16.068	2221	2224	2230	rVB	121905	155154	0.98%	0.116%
27	16.615	2313	2317	2321	rVV2	133984	222293	1.41%	0.167%
28	16.686	2325	2329	2338	rVB	215486	345050	2.18%	0.259%
29	17.033	2383	2388	2392	rBV	905326	1380194	8.73%	1.034%
30	17.074	2392	2395	2400	rVV	1541749	2074003	13.12%	1.554%
31	17.133	2400	2405	2407	rVV2	353907	518392	3.28%	0.389%
32	17.168	2407	2411	2416	rVV	1476590	2176208	13.77%	1.631%
33	17.227	2417	2421	2428	rVB3	95977	166405	1.05%	0.125%
34	17.433	2447	2456	2461	rBV	333694	562450	3.56%	0.422%

LSC Area Percent Report

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Sample : L3424-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

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-BM072720MA.M
Title : SVOA CALIBRATION

35	17.562	2474	2478	2481	rVV3	106830	142807	0.90%	0.107%
36	17.733	2504	2507	2518	rVB4	85439	170760	1.08%	0.128%
37	17.909	2533	2537	2541	rBV	213139	296061	1.87%	0.222%
38	17.956	2541	2545	2552	rVB2	538580	753627	4.77%	0.565%
39	18.039	2554	2559	2563	rVV	208717	300801	1.90%	0.225%
40	18.104	2564	2570	2574	rVV2	326825	665447	4.21%	0.499%
41	18.139	2574	2576	2582	rVB	197734	259022	1.64%	0.194%
42	18.298	2600	2603	2609	rVB2	107414	159481	1.01%	0.120%
43	18.415	2620	2623	2626	rVV	249660	323021	2.04%	0.242%
44	18.451	2626	2629	2636	rVB	398116	508161	3.21%	0.381%
45	18.756	2677	2681	2684	rVB	104289	132787	0.84%	0.100%
46	18.833	2690	2694	2699	rBV	327242	501334	3.17%	0.376%
47	18.909	2699	2707	2713	rVV3	422212	847441	5.36%	0.635%
48	18.974	2713	2718	2726	rVB	701955	982344	6.21%	0.736%
49	19.045	2727	2730	2733	rBV	146133	197934	1.25%	0.148%
50	19.103	2734	2740	2746	rVV	8159402	10441601	66.05%	7.826%
51	19.245	2760	2764	2768	rBV	419808	584393	3.70%	0.438%
52	19.298	2768	2773	2776	rBV3	164157	291778	1.85%	0.219%
53	19.433	2791	2796	2797	rBV	1411184	1675264	10.60%	1.256%
54	19.462	2797	2801	2809	rVV	7265819	9872914	62.45%	7.399%
55	19.533	2809	2813	2820	rVB2	273033	523721	3.31%	0.393%
56	19.639	2827	2831	2837	rBV	388435	567428	3.59%	0.425%
57	19.698	2837	2841	2848	rVB2	369758	614804	3.89%	0.461%
58	19.798	2851	2858	2862	rBV4	595970	1332190	8.43%	0.998%
59	19.927	2875	2880	2890	rVB5	672824	2021207	12.79%	1.515%
60	20.009	2891	2894	2897	rBV3	134380	193861	1.23%	0.145%
61	20.056	2899	2902	2906	rVB2	194800	245906	1.56%	0.184%
62	20.115	2906	2912	2916	rBV2	941007	1531586	9.69%	1.148%
63	20.156	2916	2919	2923	rVB3	239337	299579	1.90%	0.225%
64	20.203	2923	2927	2932	rBV2	165485	300384	1.90%	0.225%
65	20.256	2932	2936	2940	rVV	614831	810855	5.13%	0.608%
66	20.303	2940	2944	2952	rVV3	478624	1204747	7.62%	0.903%
67	20.368	2952	2955	2960	rVB3	277089	369592	2.34%	0.277%
68	20.515	2977	2980	2984	rBV4	251790	407314	2.58%	0.305%
69	20.621	2996	2998	3002	rVB3	158107	165967	1.05%	0.124%
70	20.709	3008	3013	3019	rVB	1446972	1947055	12.32%	1.459%
71	20.868	3034	3040	3044	rBV2	893444	1776080	11.23%	1.331%

LSC Area Percent Report

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Sample : L3424-16 5X
Misc :
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Instrument : BNA_M
ClientSampleId : C0S91

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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Title : SVOA CALIBRATION

72	20.909	3044	3047	3051	rVV	822628	1070603	6.77%	0.802%
73	20.950	3051	3054	3059	rVV2	1106289	1755758	11.11%	1.316%
74	21.003	3059	3063	3068	rVB2	875293	1205604	7.63%	0.904%
75	21.215	3091	3099	3103	rBV2	4866043	8048099	50.91%	6.032%
76	21.268	3105	3108	3115	rVB	5369350	6886052	43.56%	5.161%
77	21.350	3119	3122	3125	rVB2	258267	285199	1.80%	0.214%
78	21.397	3125	3130	3134	rBV2	563305	1074702	6.80%	0.805%
79	21.533	3149	3153	3158	rBV2	630577	974914	6.17%	0.731%
80	21.586	3159	3162	3166	rVV3	358874	528242	3.34%	0.396%
81	21.721	3182	3185	3188	rBV	294186	444881	2.81%	0.333%
82	21.774	3188	3194	3199	rVV	1021197	1827294	11.56%	1.369%
83	21.833	3199	3204	3209	rVB2	1156658	1782742	11.28%	1.336%
84	21.897	3211	3215	3222	rVB2	358160	622935	3.94%	0.467%
85	21.968	3223	3227	3230	rBV	473999	706737	4.47%	0.530%
86	22.068	3241	3244	3249	rVB	440366	613862	3.88%	0.460%
87	22.239	3270	3273	3278	rVB	379722	515526	3.26%	0.386%
88	22.527	3317	3322	3334	rVB4	531322	1524583	9.64%	1.143%
89	22.650	3340	3343	3349	rVB	537528	836123	5.29%	0.627%
90	22.797	3360	3368	3372	rBV2	7263403	15808558	100.00%	11.848%
91	22.956	3390	3395	3404	rVB	973121	1581756	10.01%	1.185%
92	23.086	3412	3417	3427	rBV3	447266	1107699	7.01%	0.830%
93	23.262	3441	3447	3453	rBV	3286141	5785690	36.60%	4.336%
94	23.356	3457	3463	3469	rVB	2821785	4820127	30.49%	3.613%
95	23.444	3474	3478	3482	rVV2	661256	1190384	7.53%	0.892%
96	23.497	3482	3487	3495	rVB3	739549	1766774	11.18%	1.324%
97	24.985	3736	3740	3746	rBV2	259737	464285	2.94%	0.348%
98	25.427	3810	3815	3824	rVB	650909	1484694	9.39%	1.113%
99	25.674	3847	3857	3866	rVB	2646678	7175857	45.39%	5.378%
100	26.338	3963	3970	3984	rVB	587699	1667132	10.55%	1.249%

Sum of corrected areas: 133429052

LSC Report - Integrated Chromatogram

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Acq On : 03 Aug 2020 16:08
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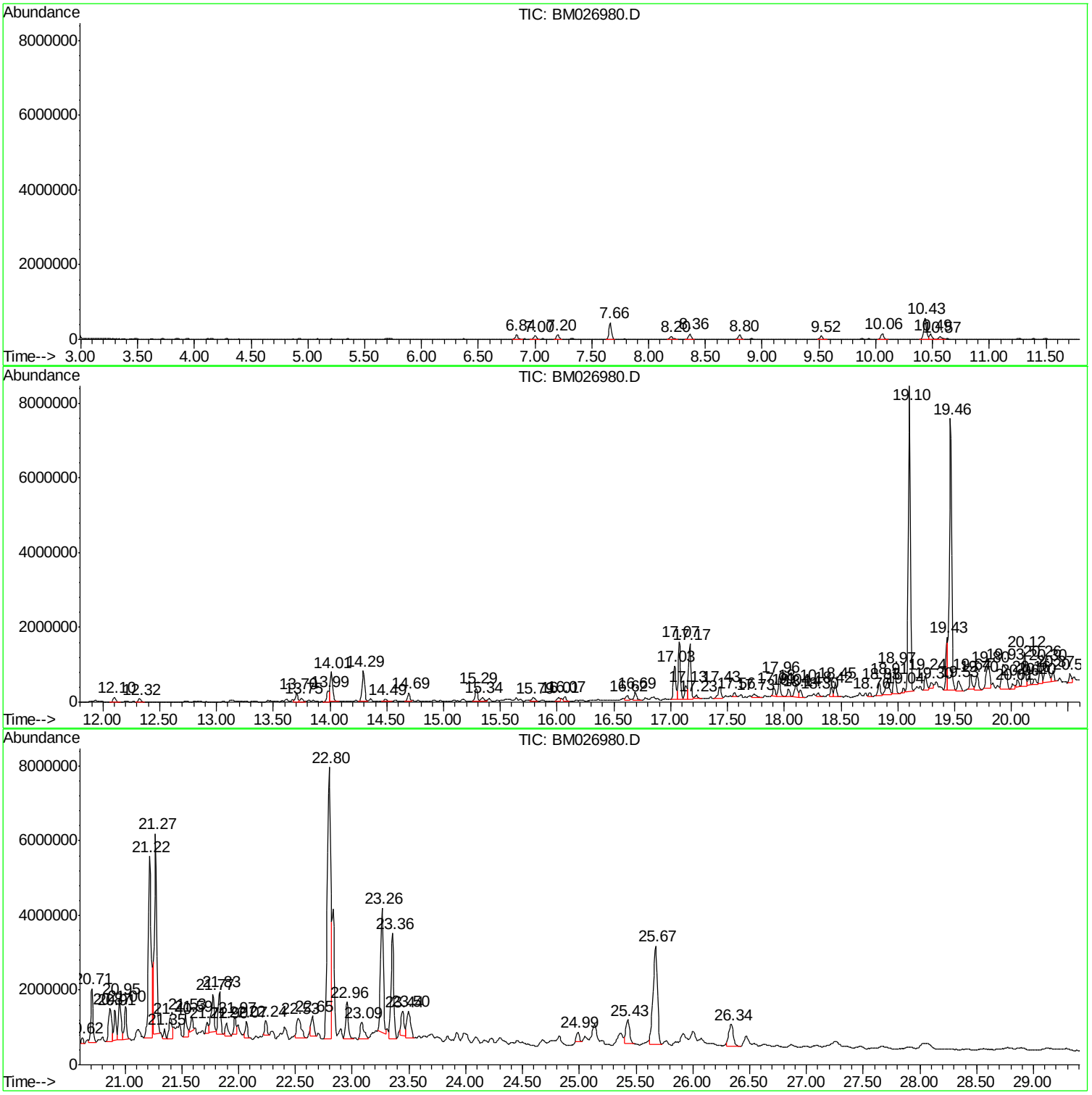
Sample : L3424-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

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



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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

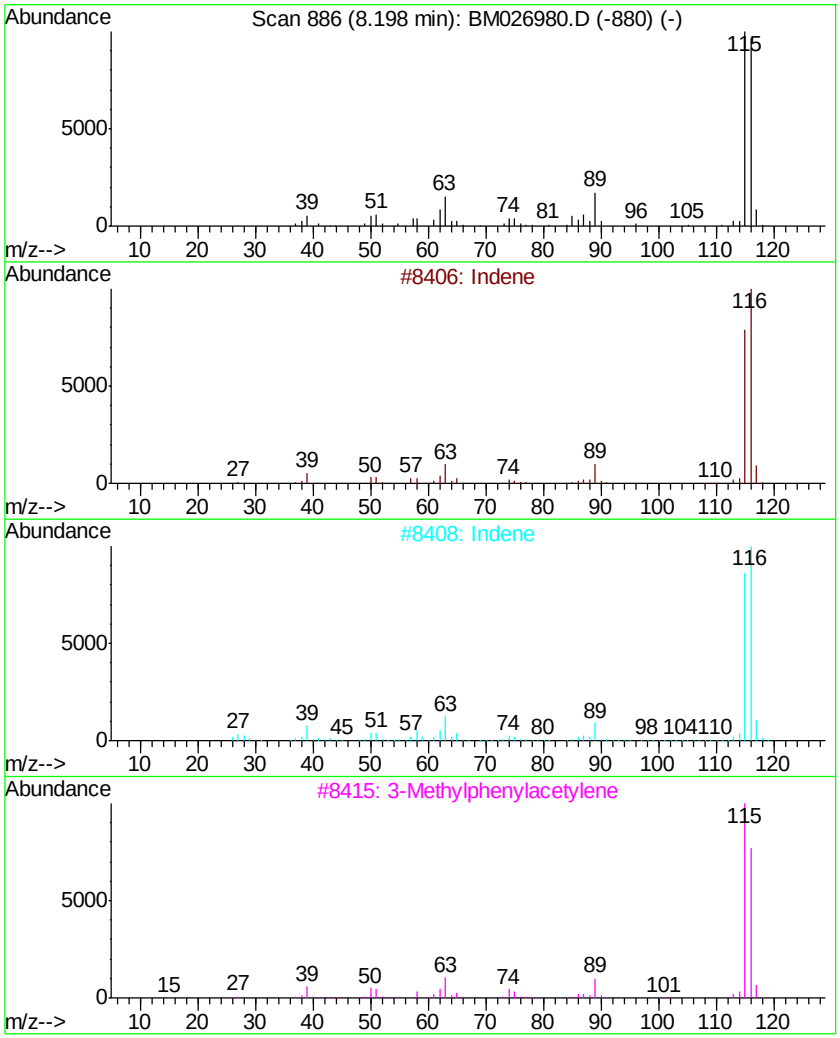
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

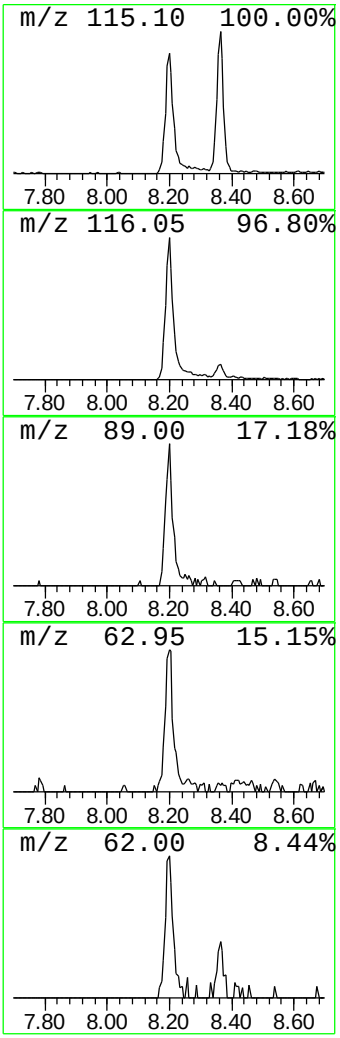
****

Peak Number 1 Indene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	4.25 ng/ul	150549	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	93
2	Indene	116	C9H8	000095-13-6	91
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

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Data File : BM026980.D
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Instrument : BNA_M
ClientSampleId : C0S91

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

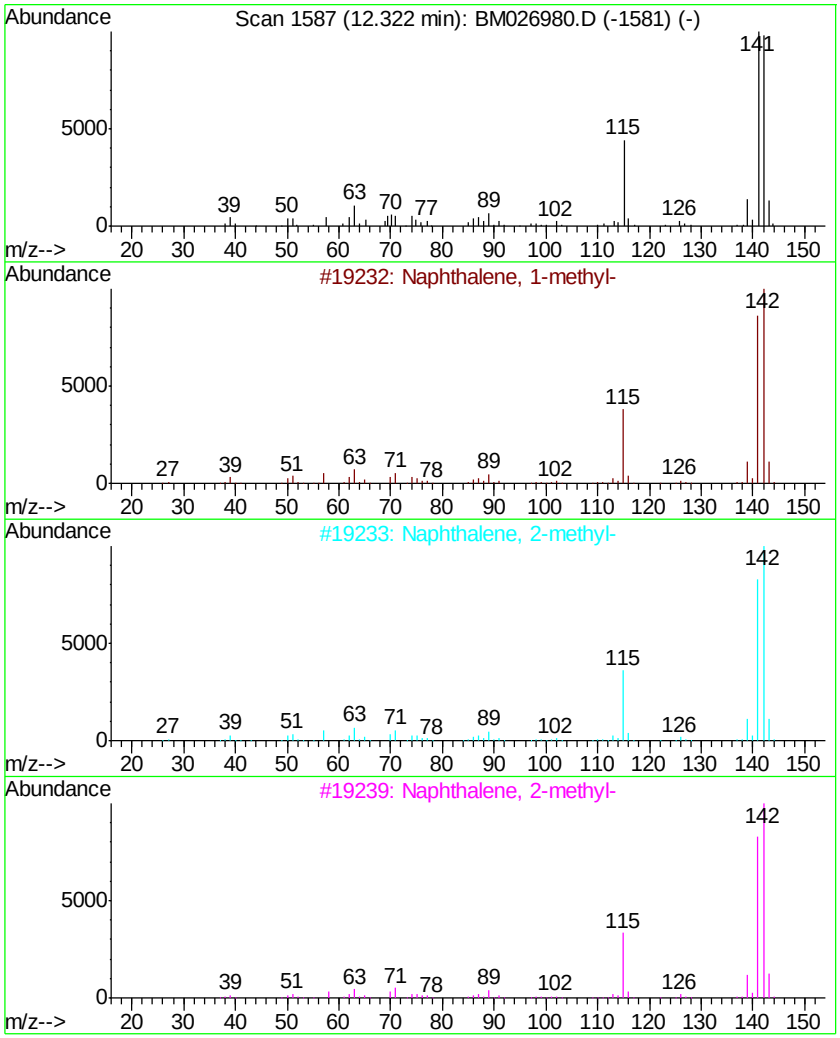
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

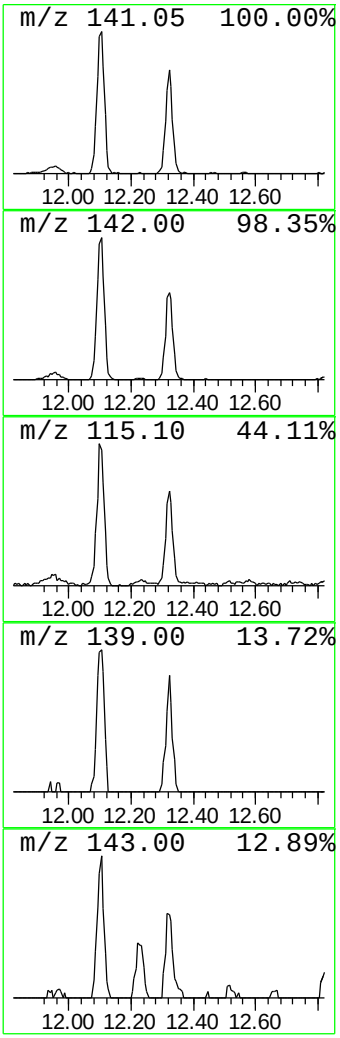
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	2.62 ng/ul	130834	Naphthalene-d8	10.43

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	95
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





Library Search Compound Report

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

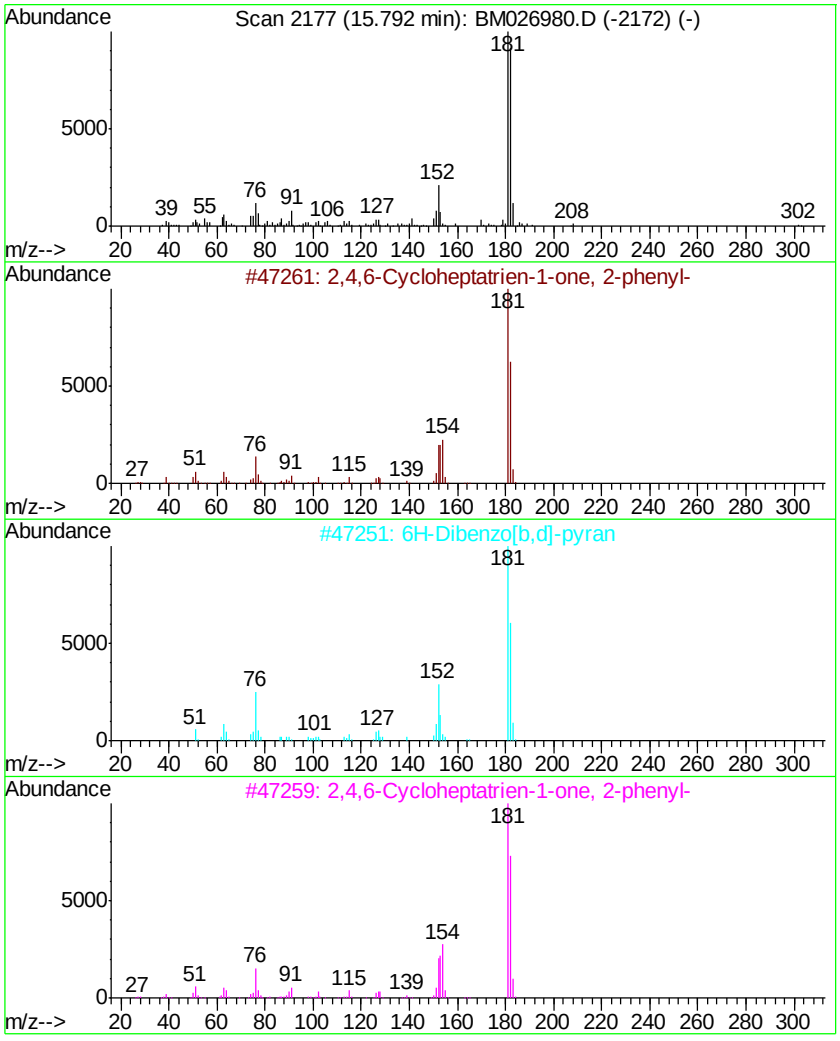
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

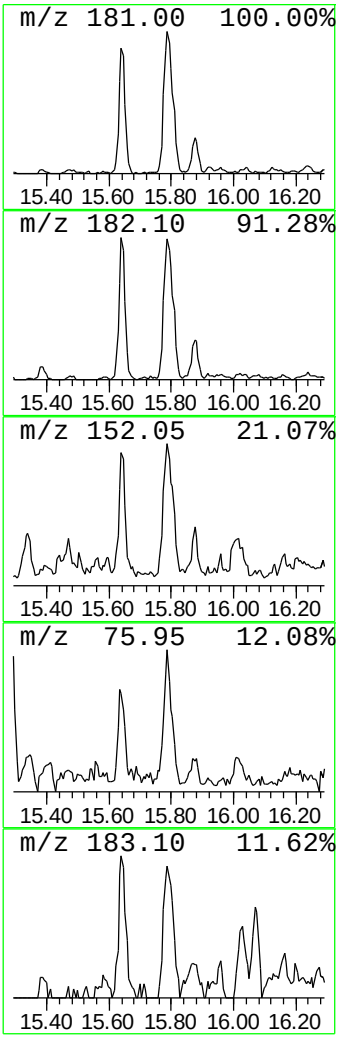
****

Peak Number 3 2,4,6-Cycloheptatrien-1-one... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	2.92 ng/ul	201258	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
2	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	72





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Instrument : BNA_M
ClientSampleId : C0S91

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

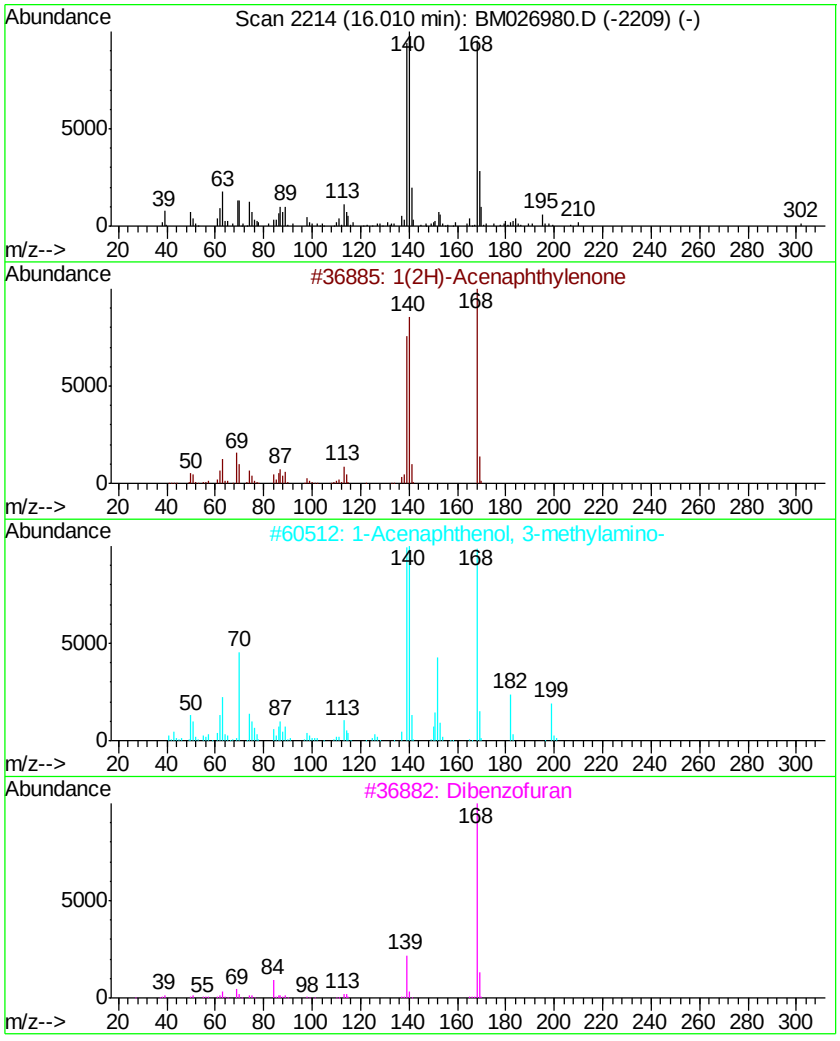
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

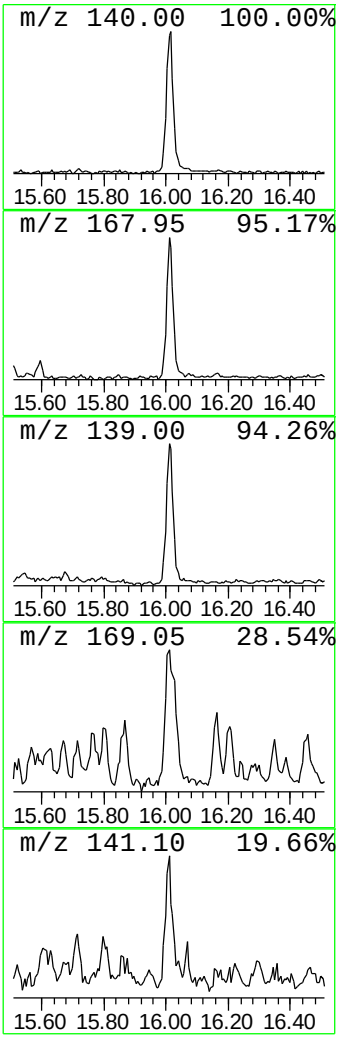
****

Peak Number 4 1(2H)-Acenaphthylenone Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	2.61 ng/ul	179921	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	81
2	1-Acenaphthenol, 3-methylamino-	199	C13H13NO	1000129-22-6	50
3	Dibenzofuran	168	C12H8O	000132-64-9	43
4	Cyclobuta[del]naphthalene	140	C11H8	024973-91-9	43
5	1-Naphthalenecarbonitrile, 4-amino-	168	C11H8N2	058728-64-6	38





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Sample : L3424-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

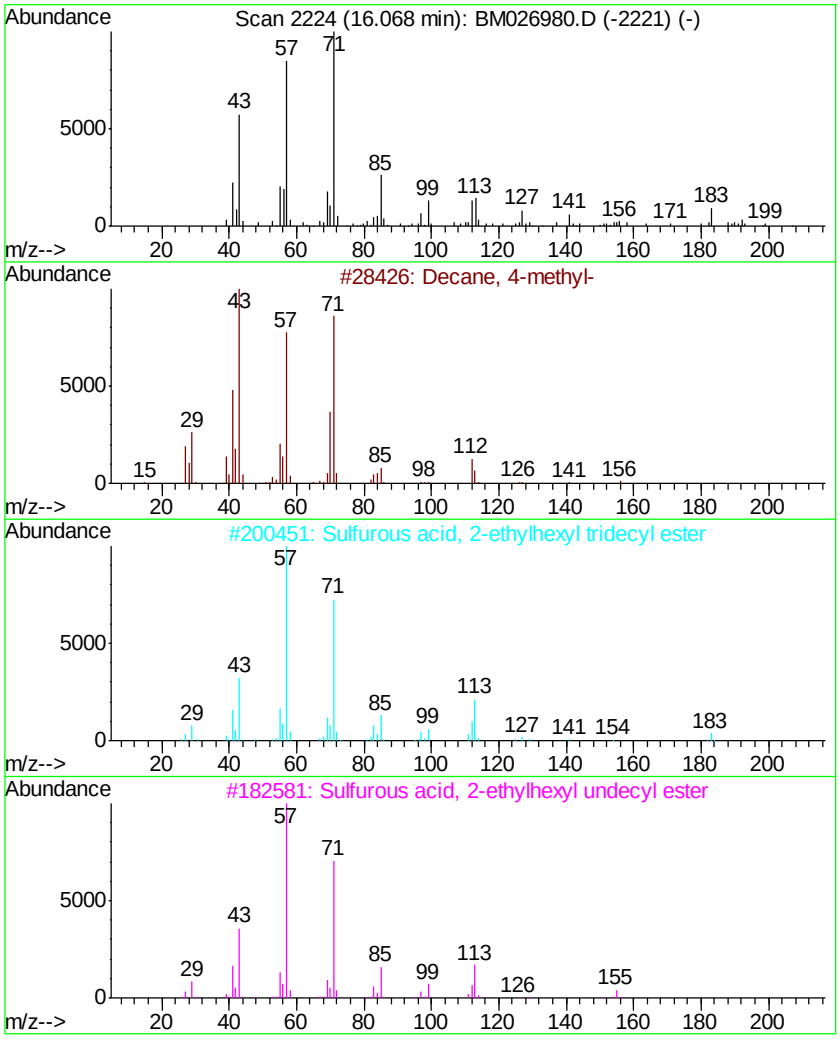
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

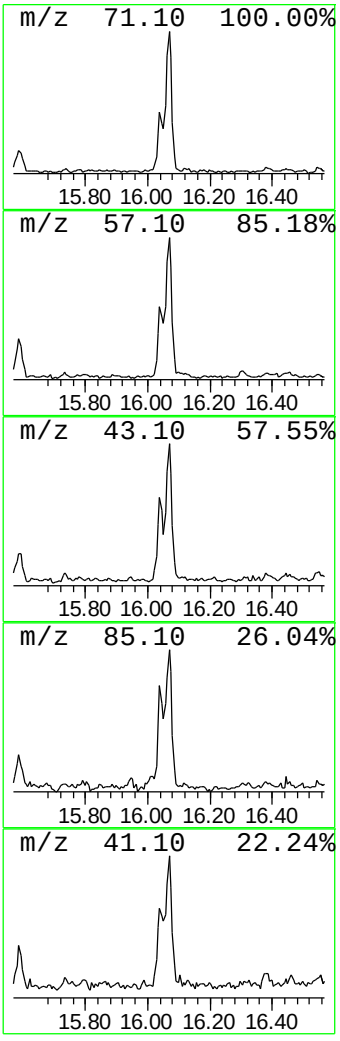
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	2.25 ng/ul	155154	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	68
2	Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	59
3	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	58
4	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	58
5	Octane, 3-ethyl-	142	C10H22	005881-17-4	58





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Operator : JU/CG
Sample : L3424-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

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Quant Title : SVOA CALIBRATION

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

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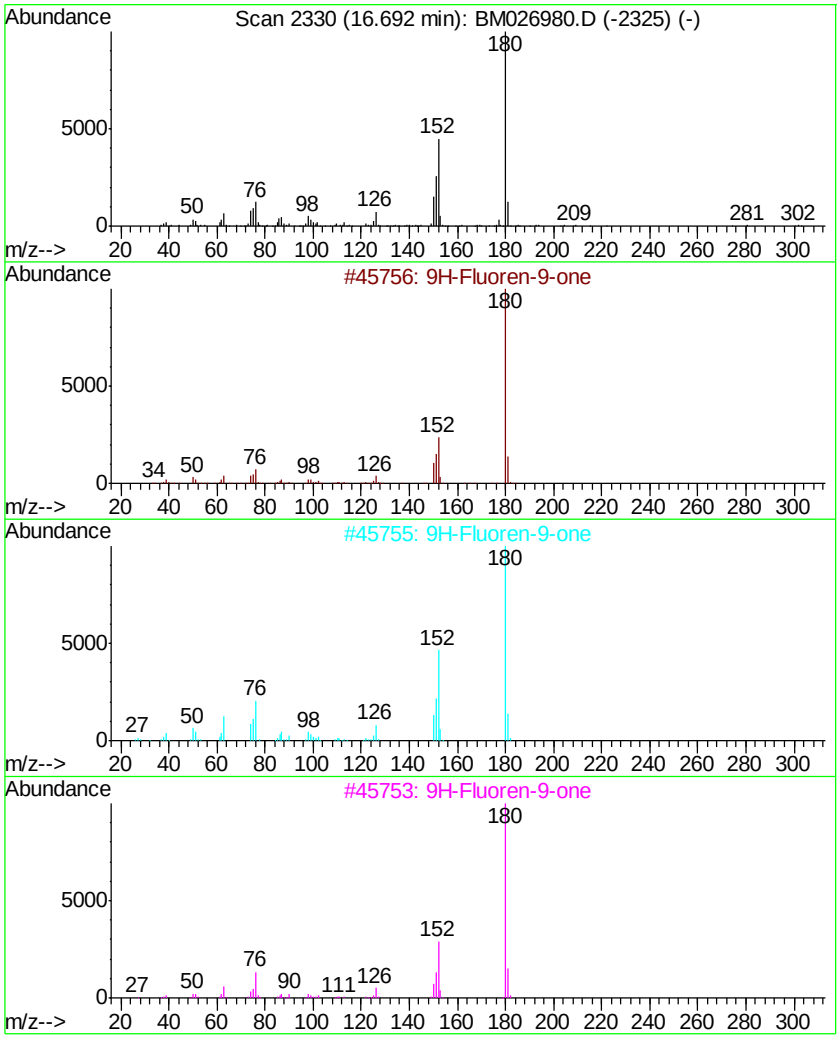
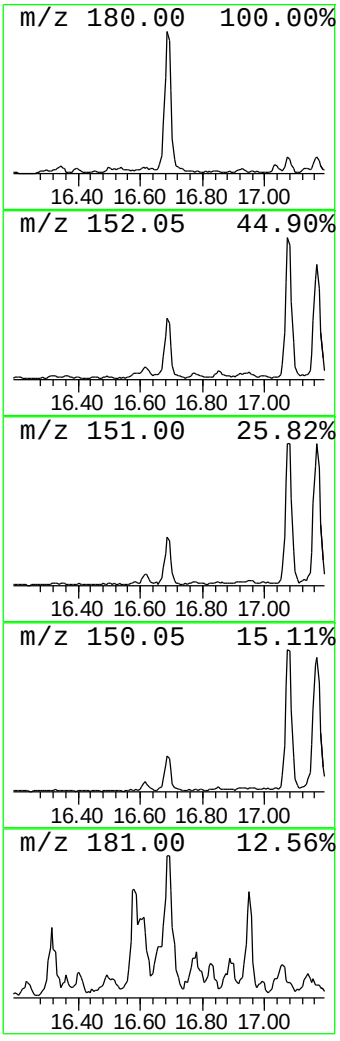
Peak Number 7 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	5.00 ng/ul	345050	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	Diphenic anhydride	224	C14H8O3	006050-13-1	91





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Operator : JU/CG
Sample : L3424-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

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Quant Title : SVOA CALIBRATION

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

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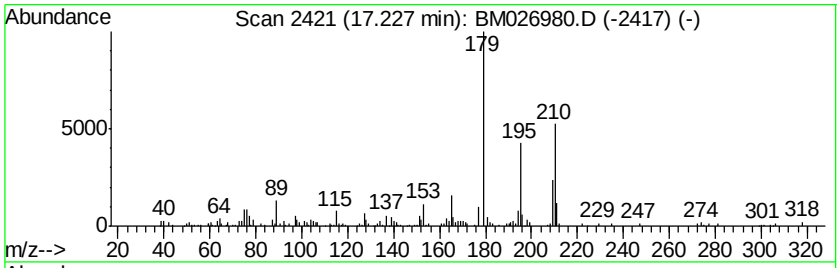
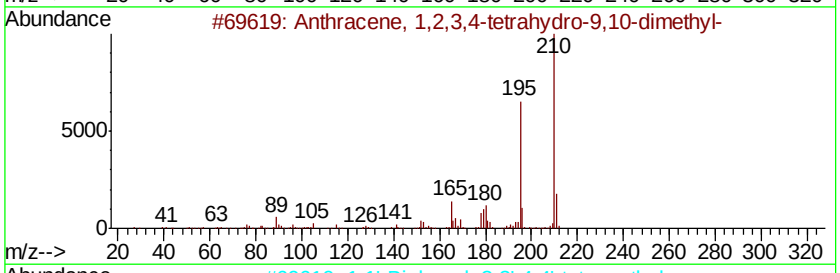
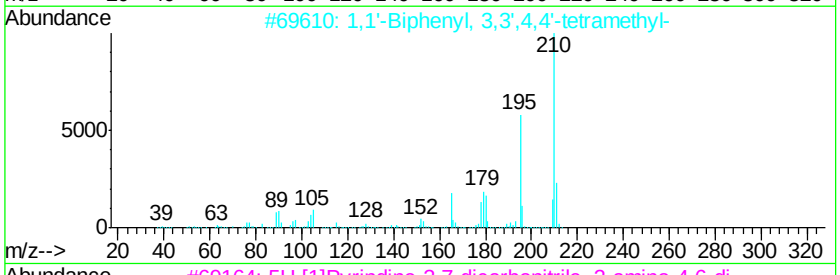
Peak Number 8 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 39

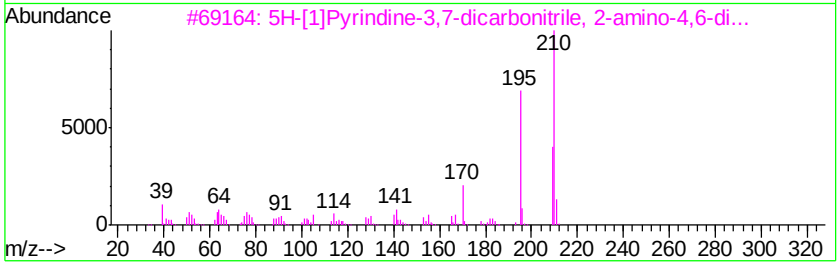
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	2.41 ng/ul	166405	Phenanthrene-d10	17.03

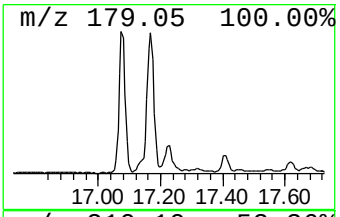
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-9...	210	C16H18	094573-50-9	50
2	1,1'-Biphenyl, 3,3',4,4'-tetrame...	210	C16H18	004920-95-0	43
3	5H-[1]Pyrindine-3,7-dicarbonitri...	210	C12H10N4	1000302-80-0	43
4	7H-Cyclopenta[b]pyridine-3,6-dic...	210	C12H10N4	1000264-64-4	43
5	9H-Carbazol-3-amine, 9-ethyl-	210	C14H14N2	000132-32-1	38

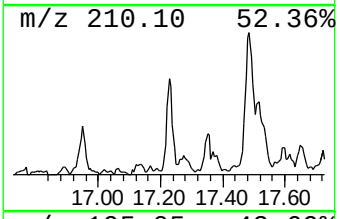


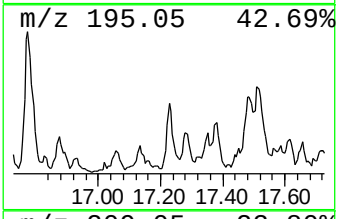


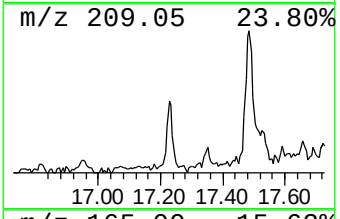


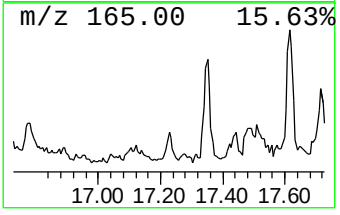












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Acq On : 03 Aug 2020 16:08
Operator : JU/CG
Sample : L3424-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

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Quant Title : SVOA CALIBRATION

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

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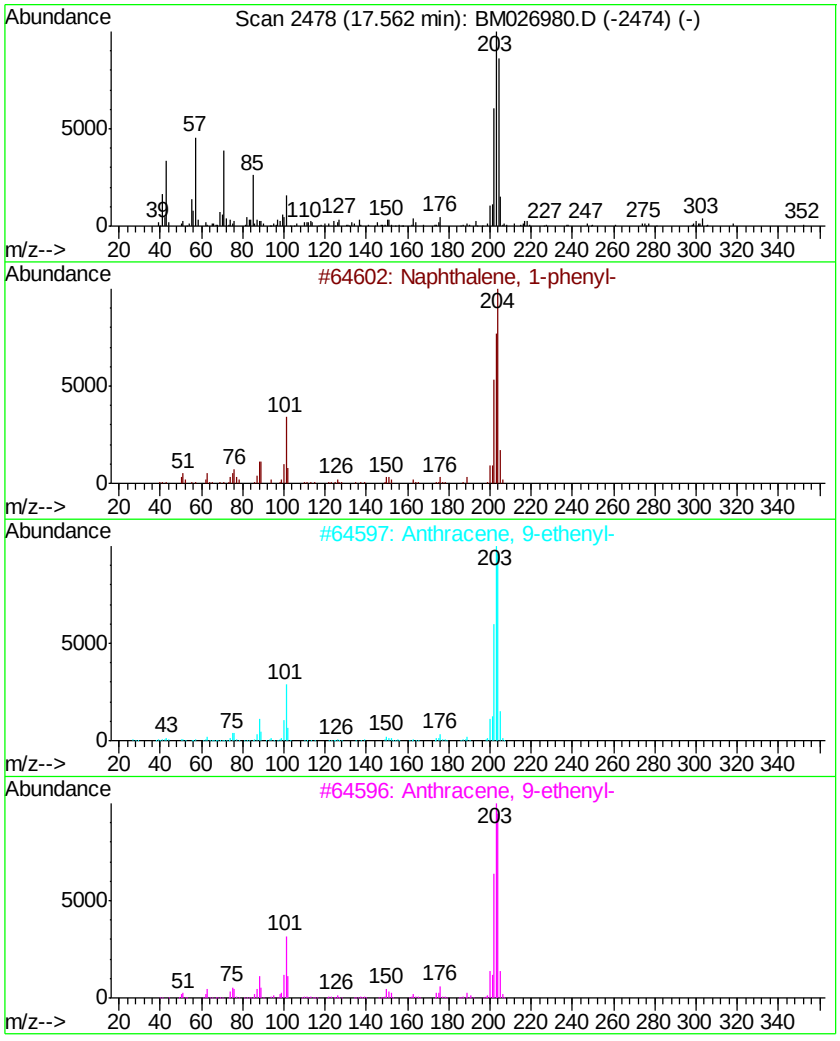
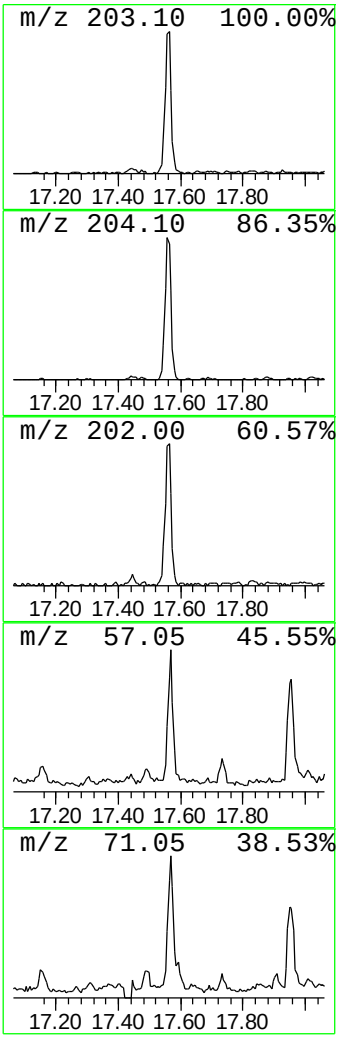
Peak Number 9 Naphthalene, 1-phenyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.56	2.07 ng/ul	142807	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	60
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	60
4	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	53
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	53





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Instrument : BNA_M
ClientSampleId : C0S91

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Quant Title : SVOA CALIBRATION

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

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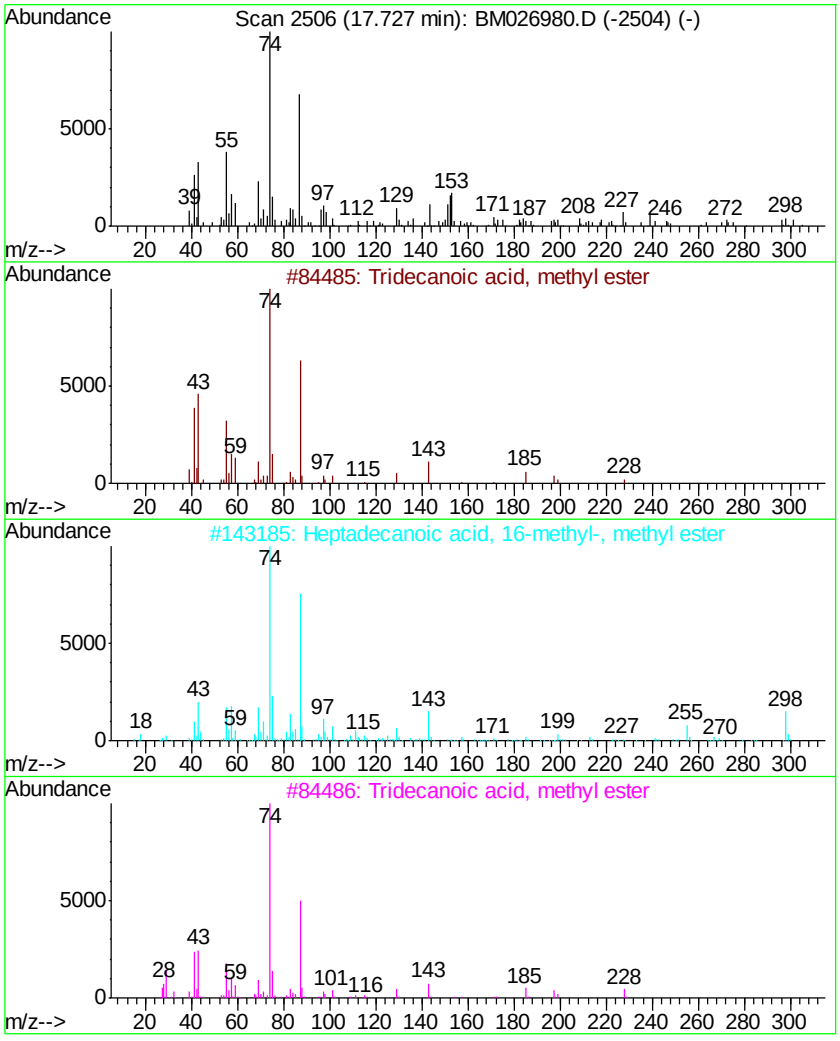
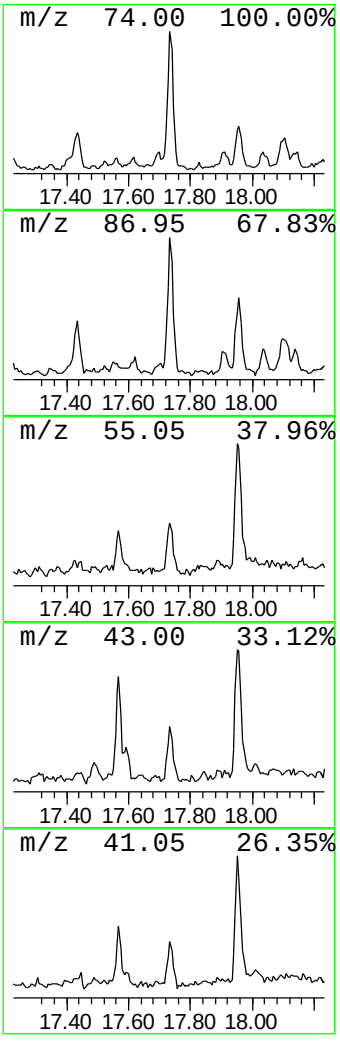
Peak Number 10 Tridecanoic acid, methyl ester Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.73	2.47 ng/ul	170760	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	76
2	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	76
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	68
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	68
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	64





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Instrument : BNA_M
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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 11 Phenanthrene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	4.29 ng/ul	296061	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
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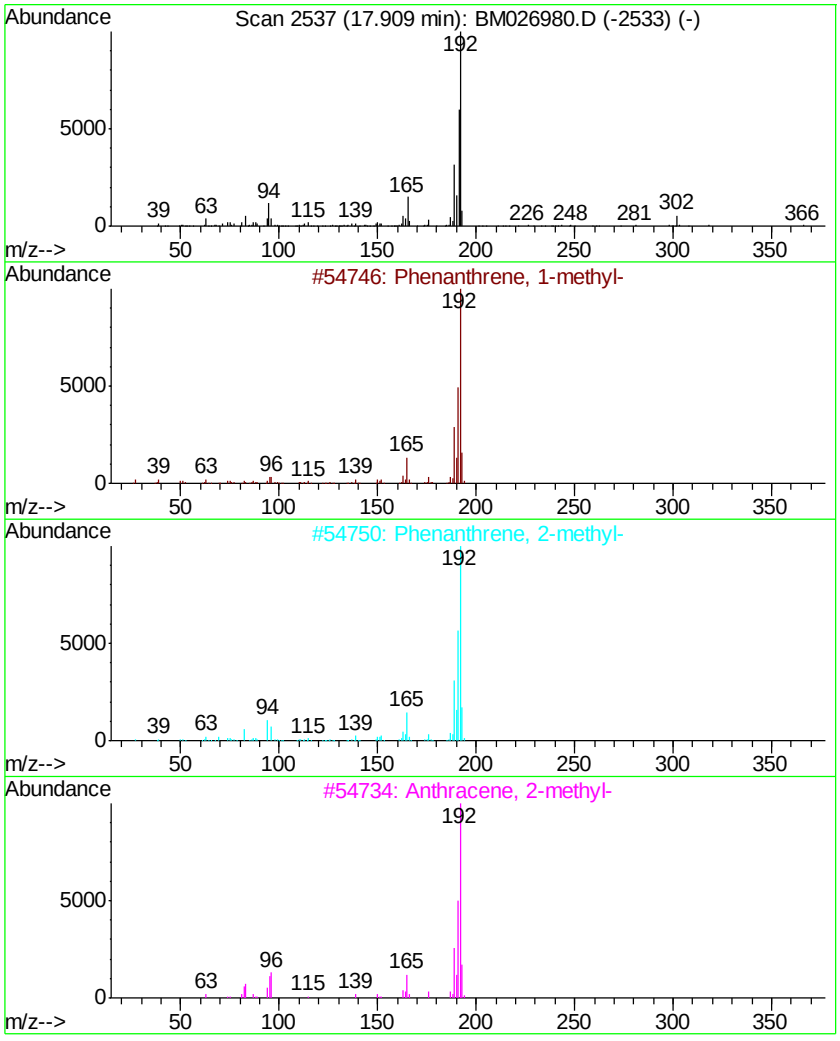
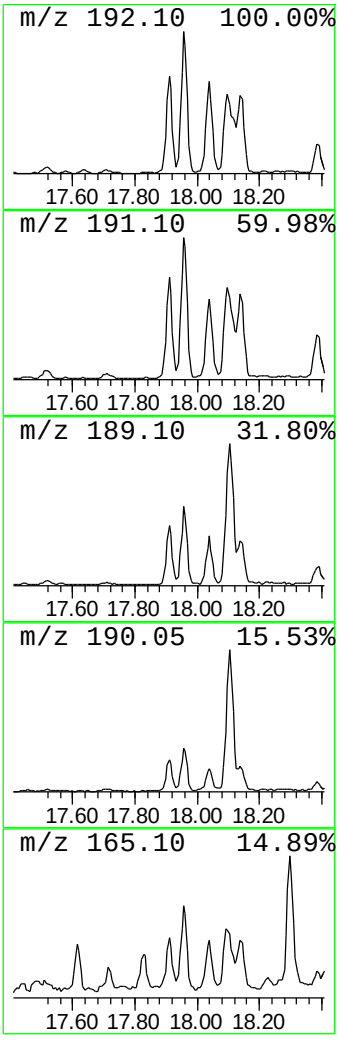
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76





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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

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Quant Title : SVOA CALIBRATION

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

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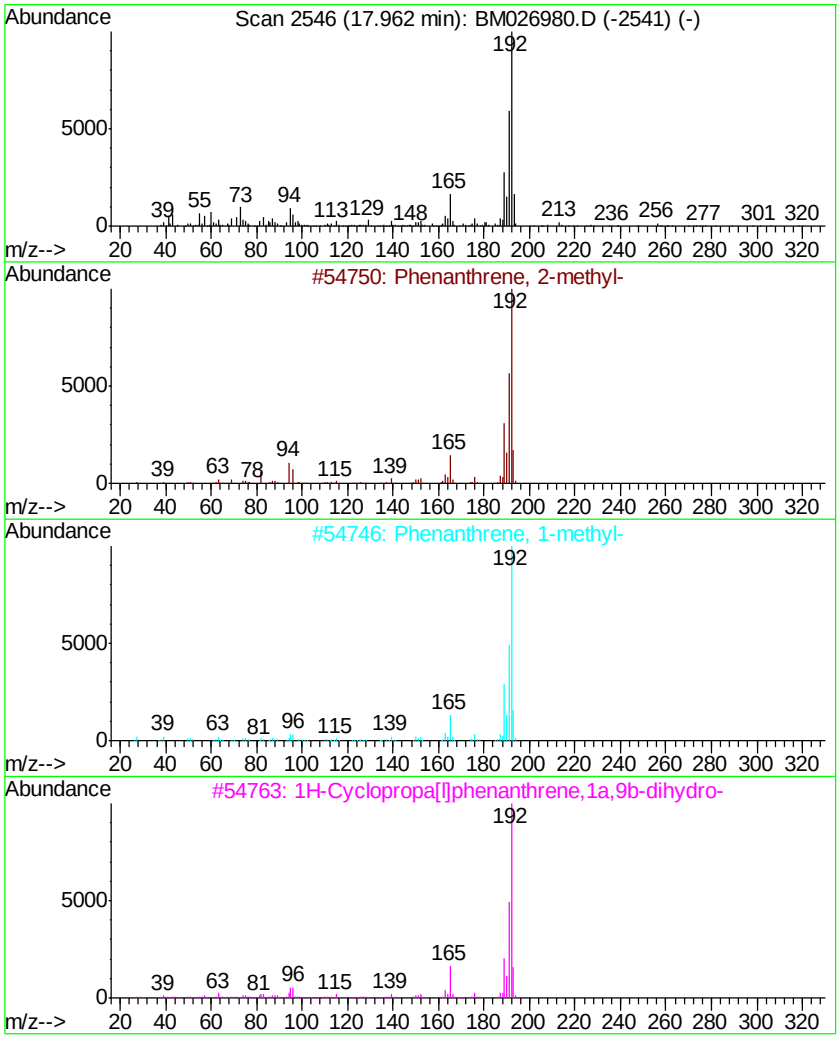
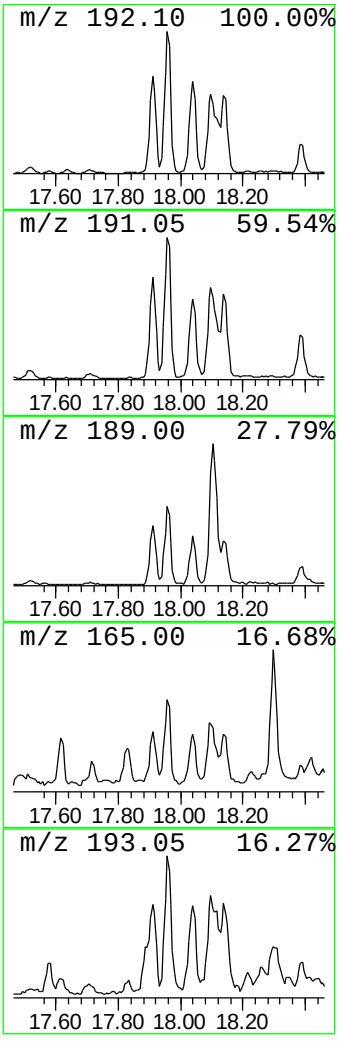
Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	10.92 ng/ul	753627	Phenanthrene-d10	17.03

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	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Quant Title : SVOA CALIBRATION

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

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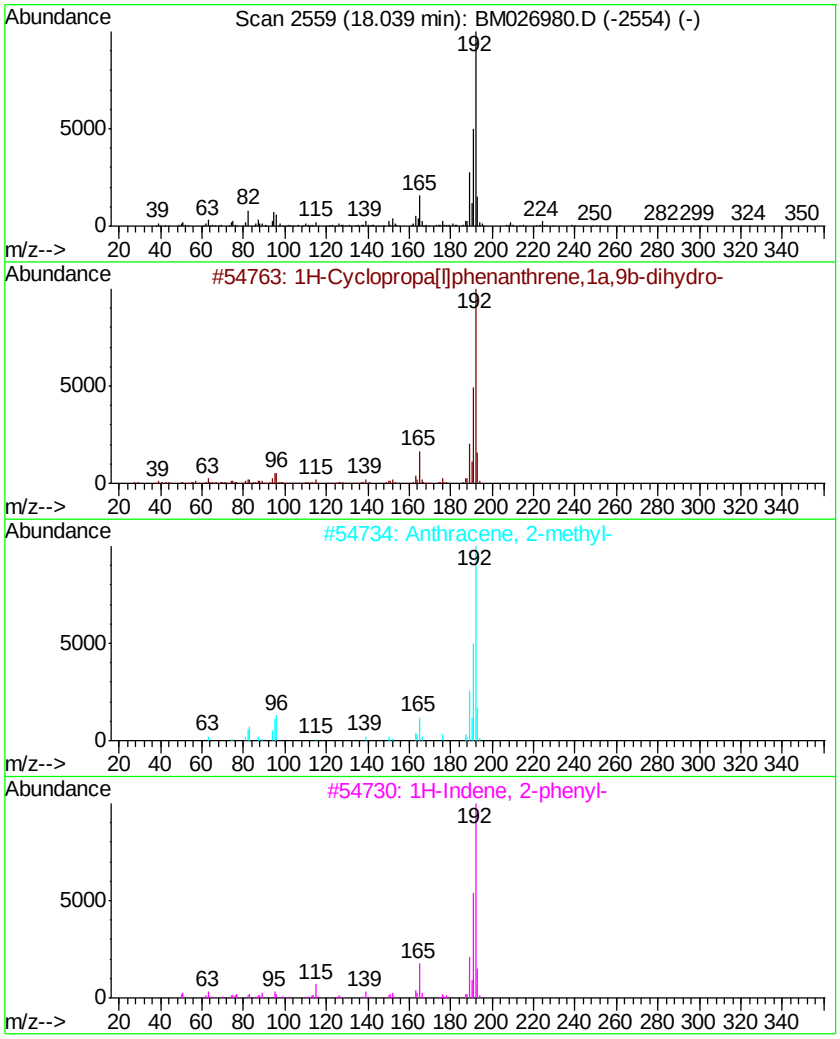
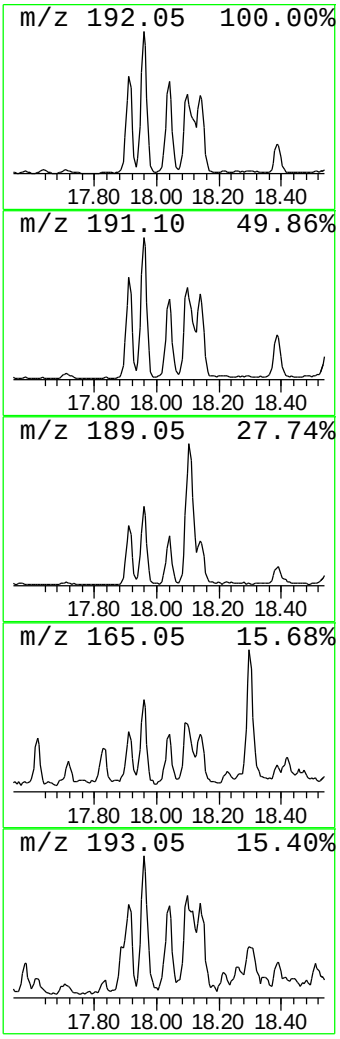
Peak Number 13 Anthracene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	4.36 ng/ul	300801	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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Sample : L3424-16 5X
Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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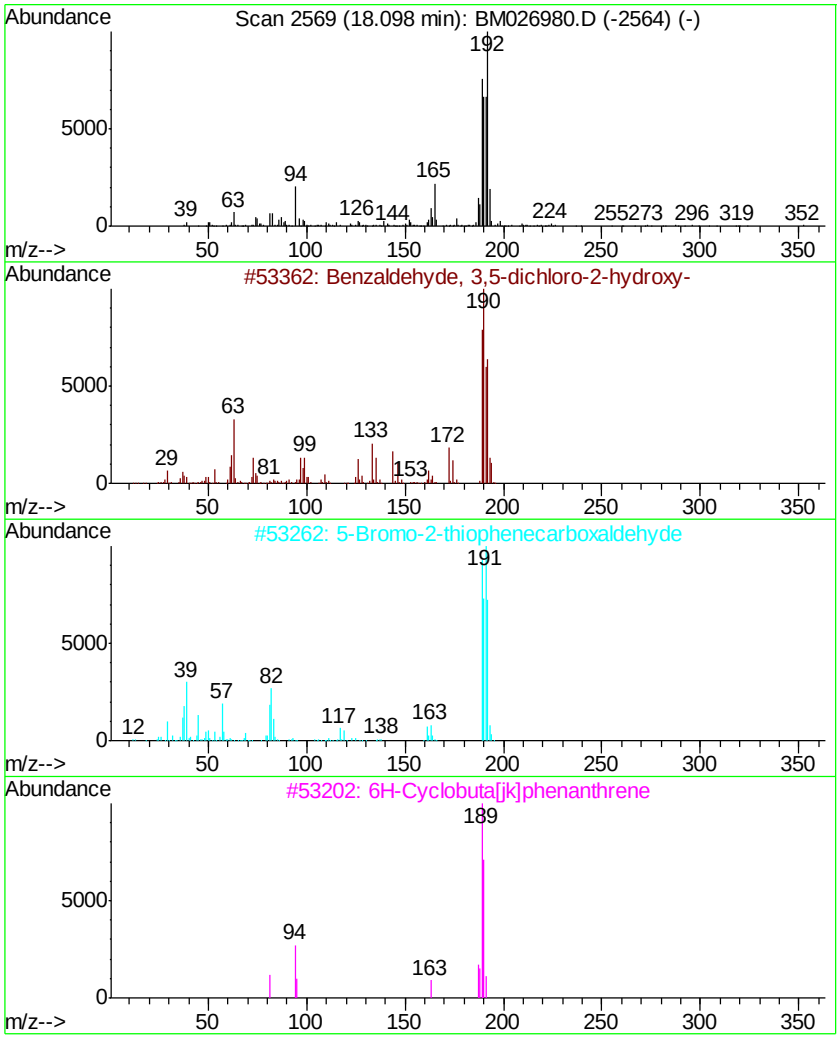
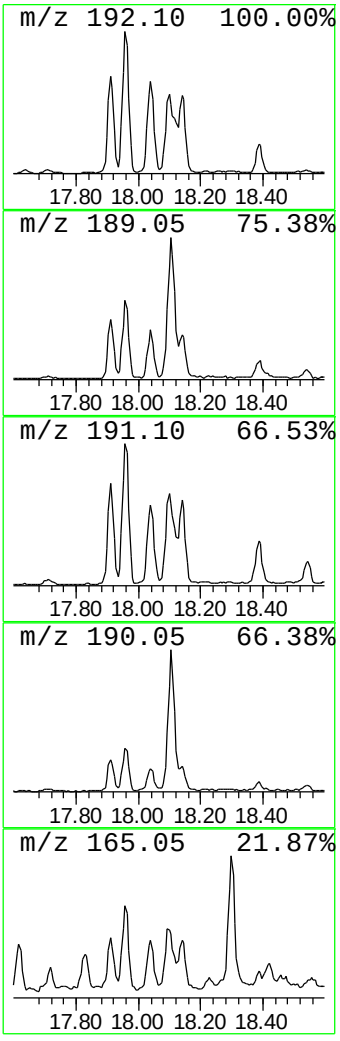
Peak Number 14 Benzaldehyde, 3,5-dichloro-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	9.64 ng/ul	665447	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	58
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	46
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	46





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Instrument : BNA_M
ClientSampleId : C0S91

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Quant Title : SVOA CALIBRATION

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

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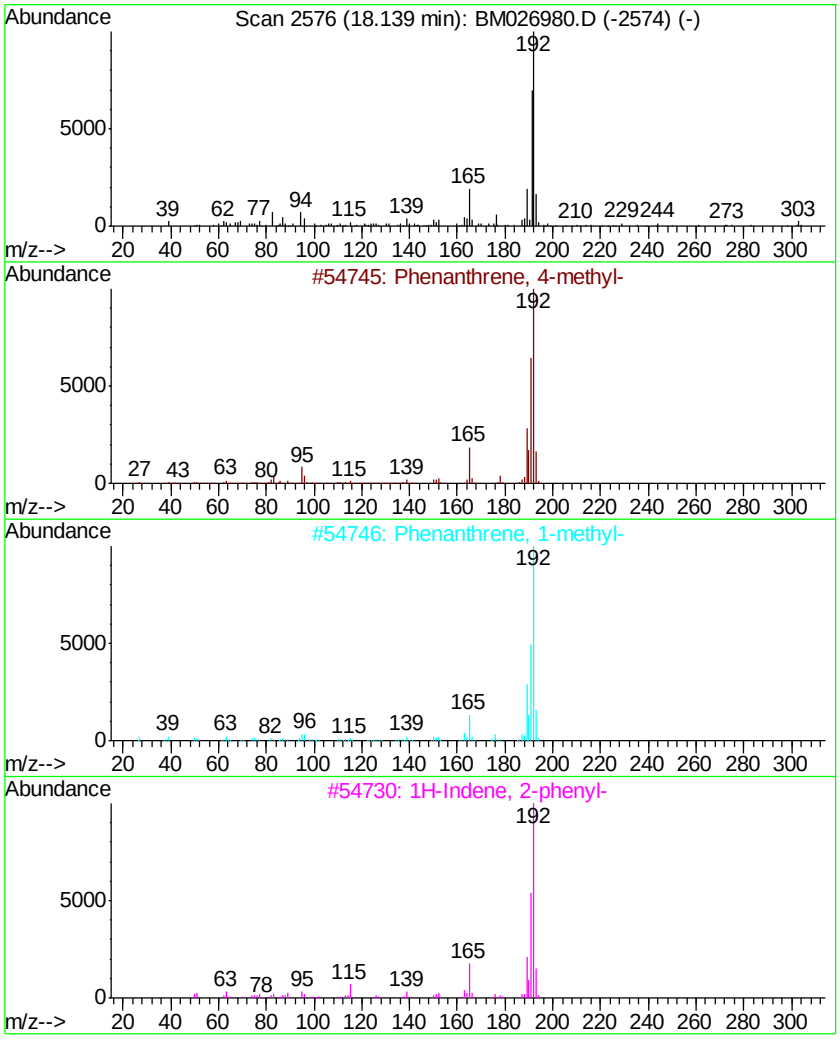
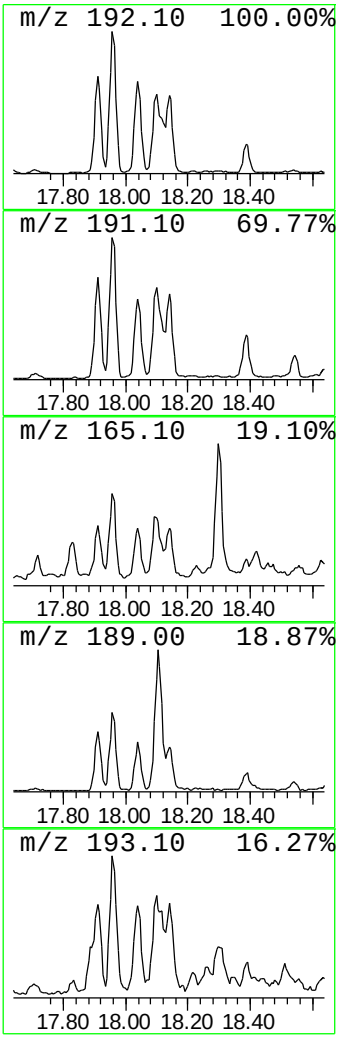
Peak Number 15 Phenanthrene, 4-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	3.75 ng/ul	259022	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	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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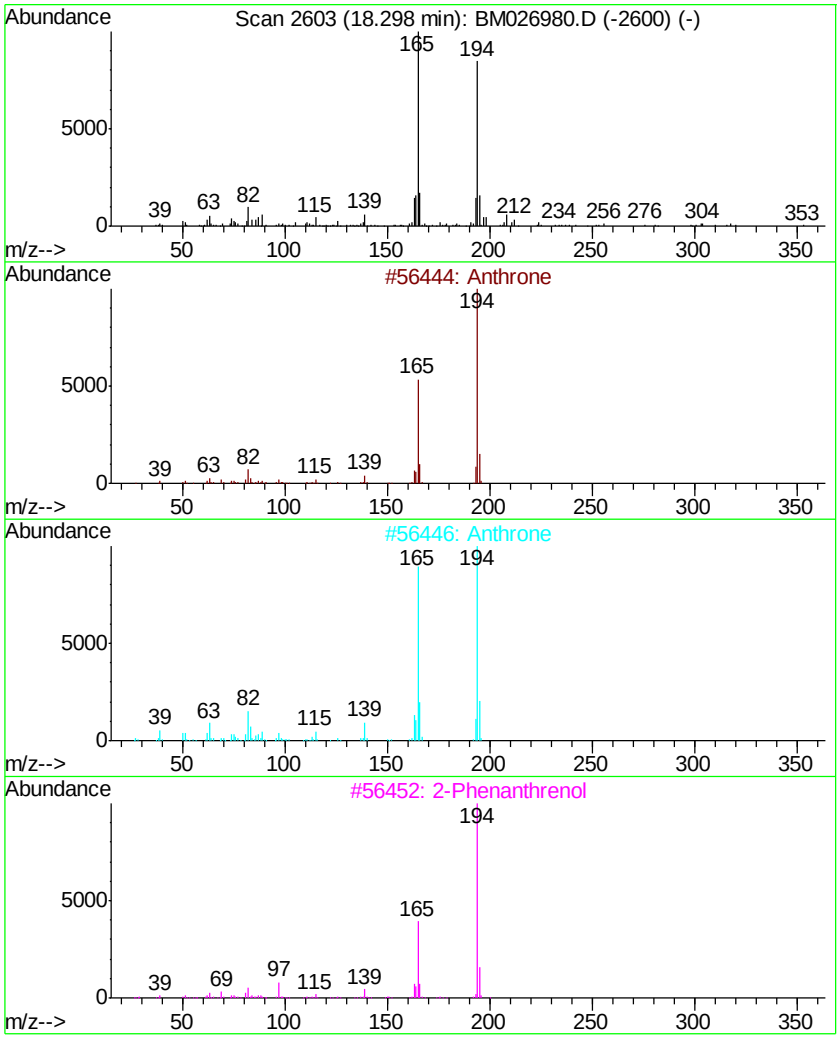
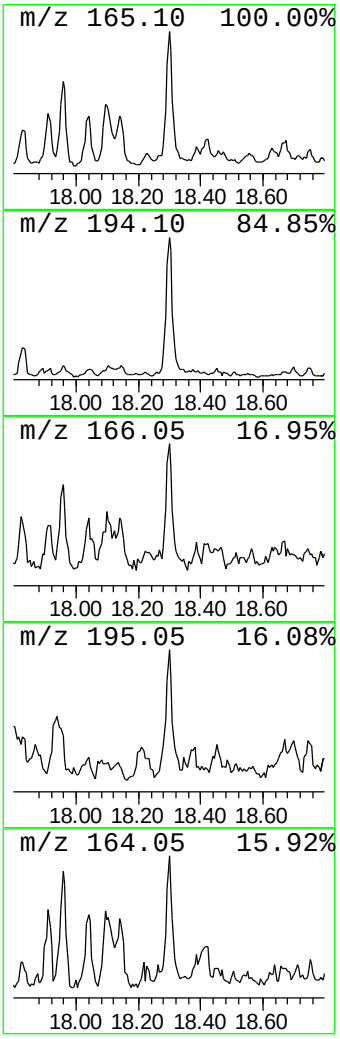
Peak Number 16 Anthrone Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	2.31 ng/ul	159481	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	91
2	Anthrone	194	C14H10O	000090-44-8	91
3	2-Phenanthrenol	194	C14H10O	000605-55-0	90
4	2,9b-Dihydrofurano[4,3,2-jk]fluo...	194	C14H10O	204396-15-6	87
5	1(3H)-Isobenzofuranone, 6,7-dime...	194	C10H10O4	000569-31-3	86





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Operator : JU/CG
Sample : L3424-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

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Quant Title : SVOA CALIBRATION

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

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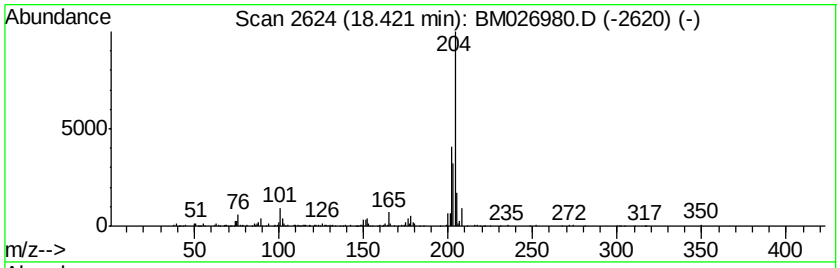
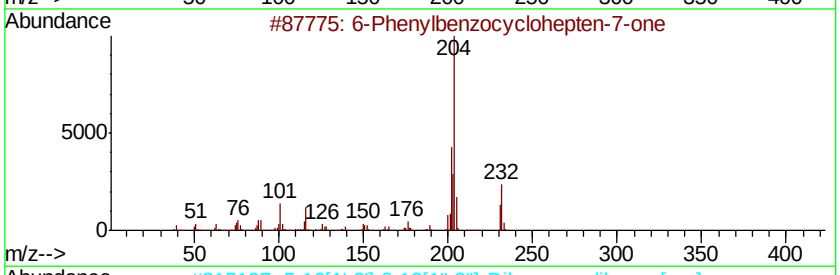
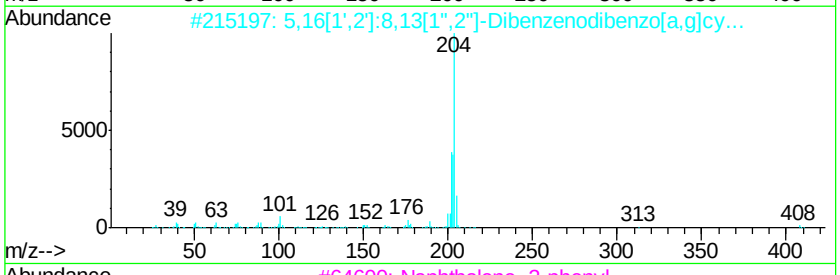
Peak Number 17 6-Phenylbenzocyclohepten-7-one Concentration Rank 17

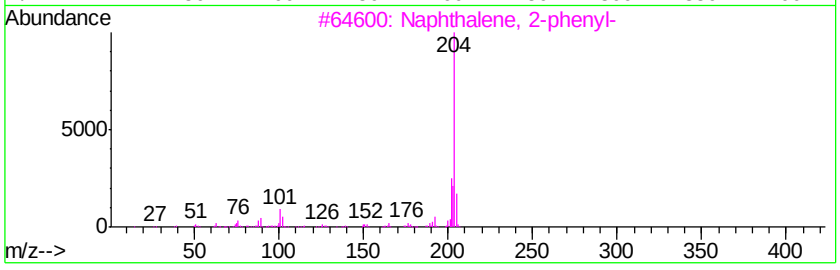
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	4.68 ng/ul	323021	Phenanthrene-d10	17.03

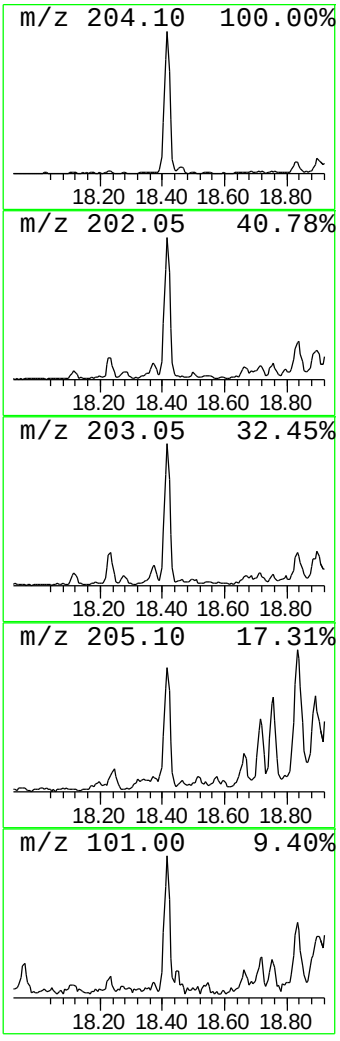
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70











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Quant Title : SVOA CALIBRATION

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

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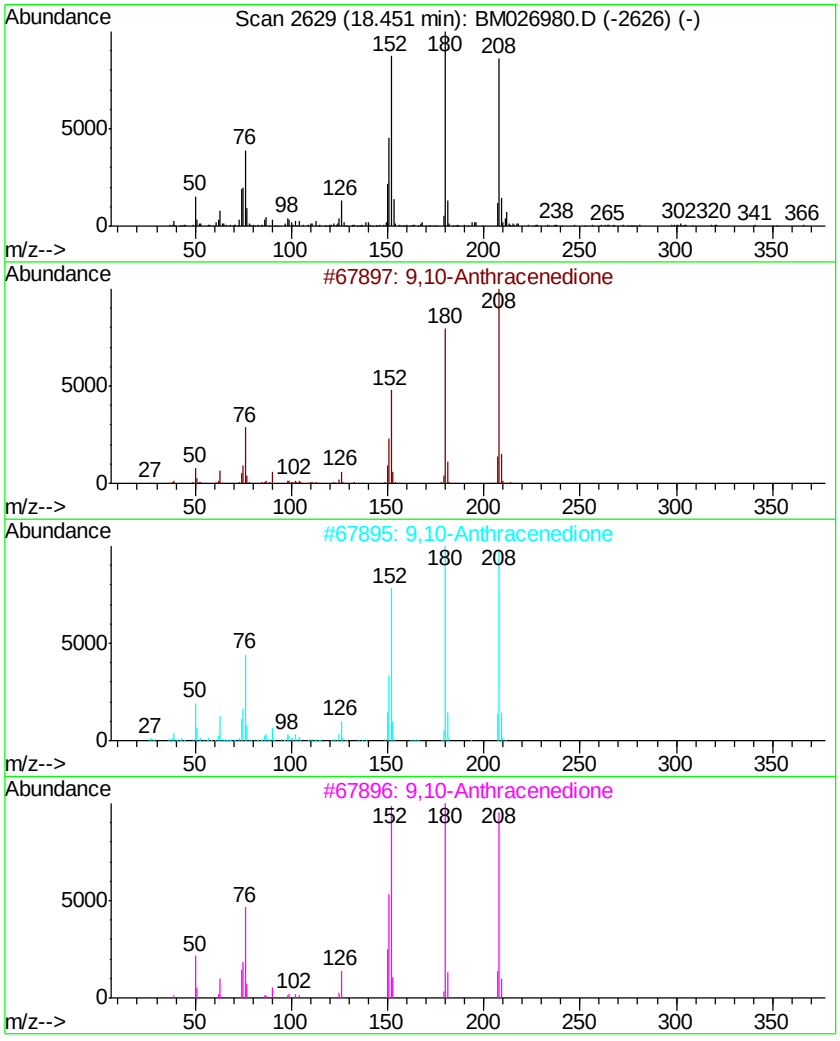
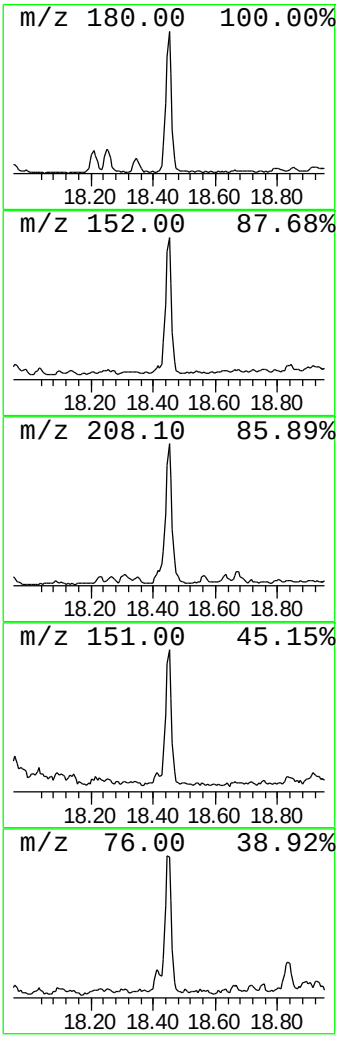
Peak Number 18 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	7.36 ng/ul	508161	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	81
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70





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Sample : L3424-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

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Quant Title : SVOA CALIBRATION

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

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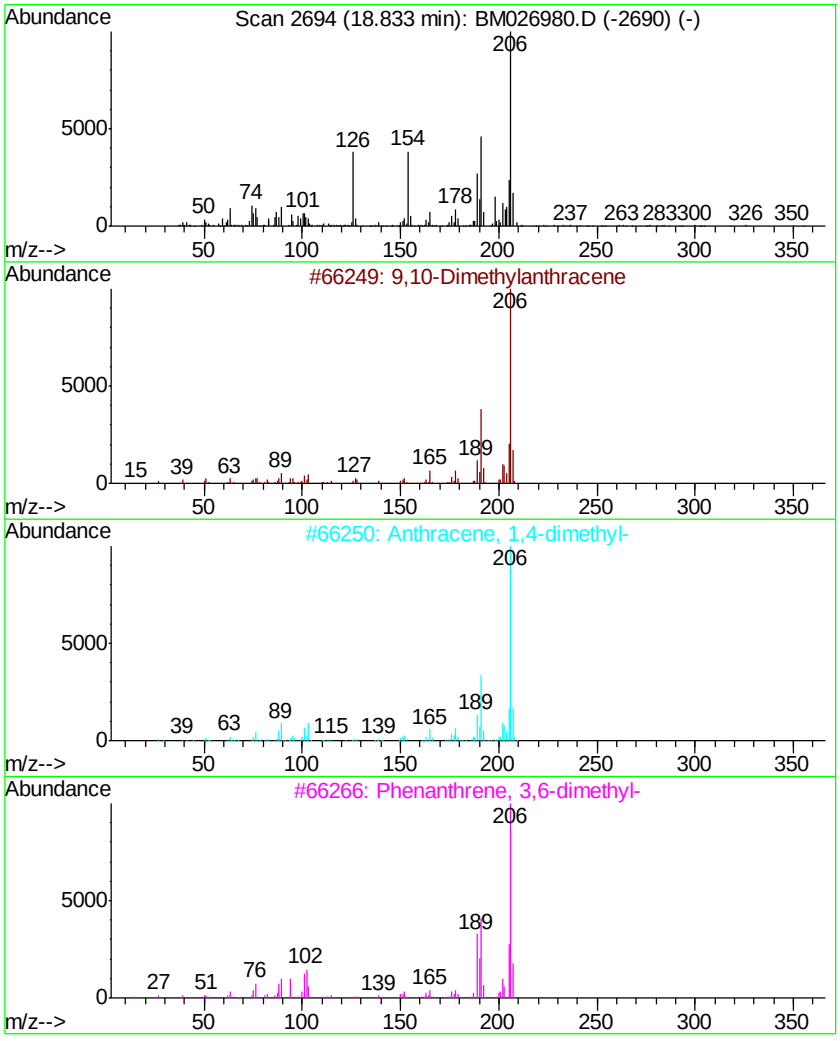
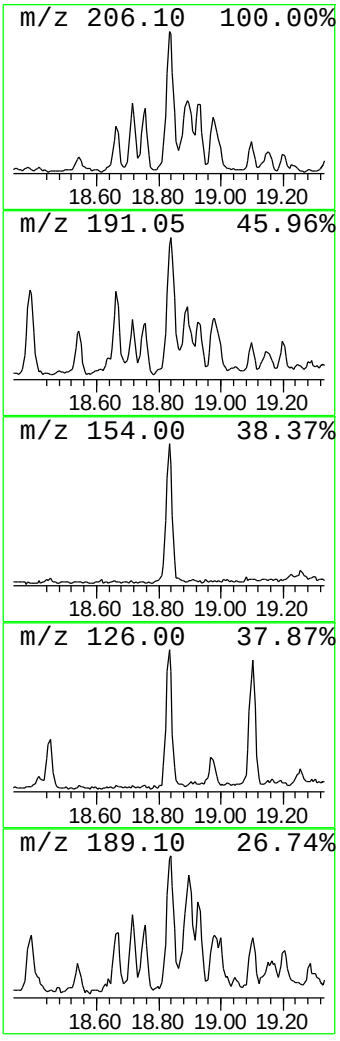
Peak Number 19 9,10-Dimethylanthracene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	7.26 ng/ul	501334	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83





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Quant Title : SVOA CALIBRATION

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

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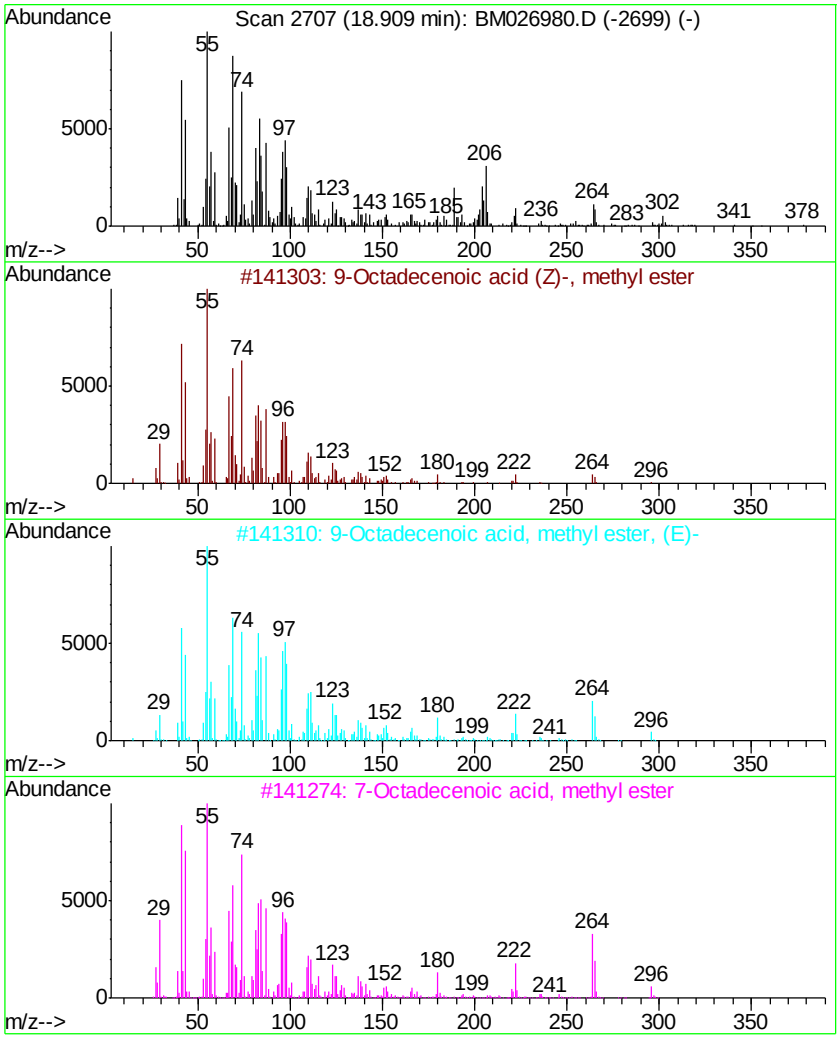
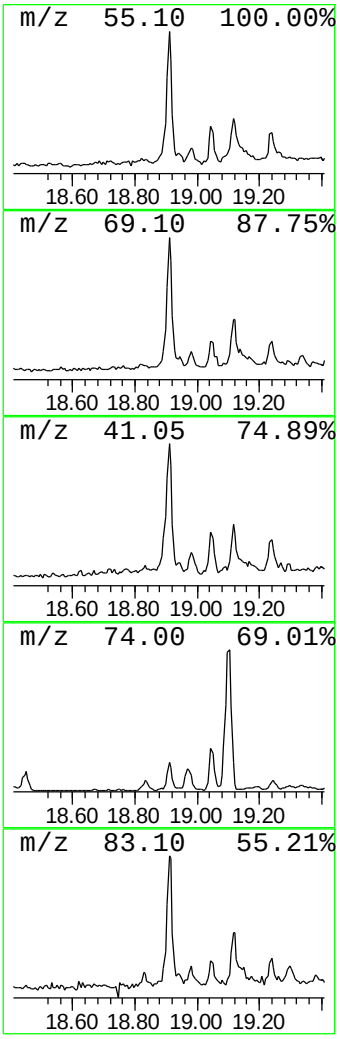
Peak Number 20 9-Octadecenoic acid (Z)-, m... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	12.28 ng/ul	847441	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	97
2	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	93
3	7-Octadecenoic acid, methyl ester	296	C19H36O2	057396-98-2	93
4	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	93
5	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	90





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ClientSampleId : C0S91

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Quant Title : SVOA CALIBRATION

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

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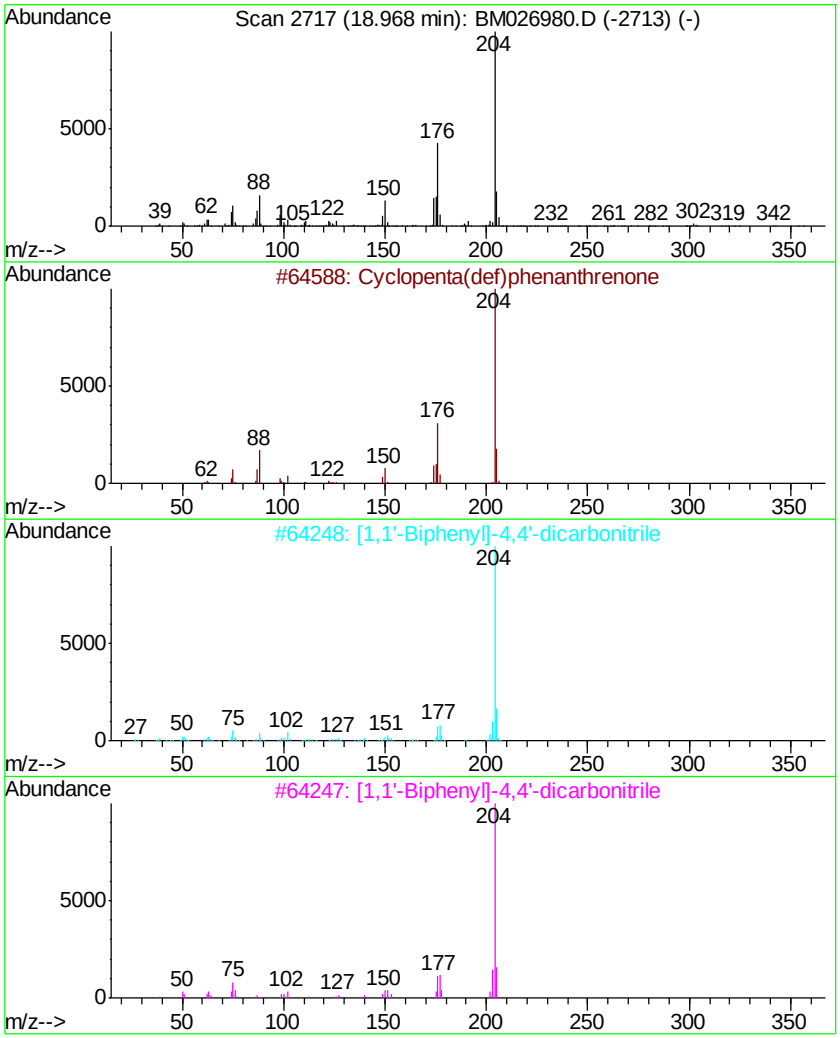
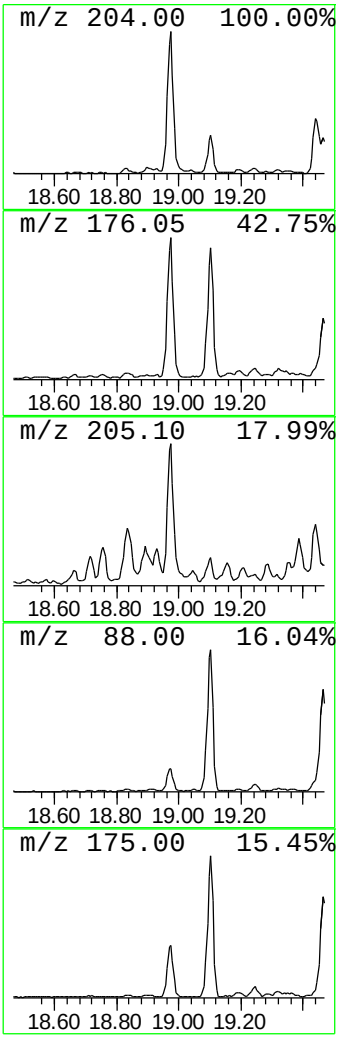
Peak Number 21 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	14.23 ng/ul	982344	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





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Sample : L3424-16 5X
Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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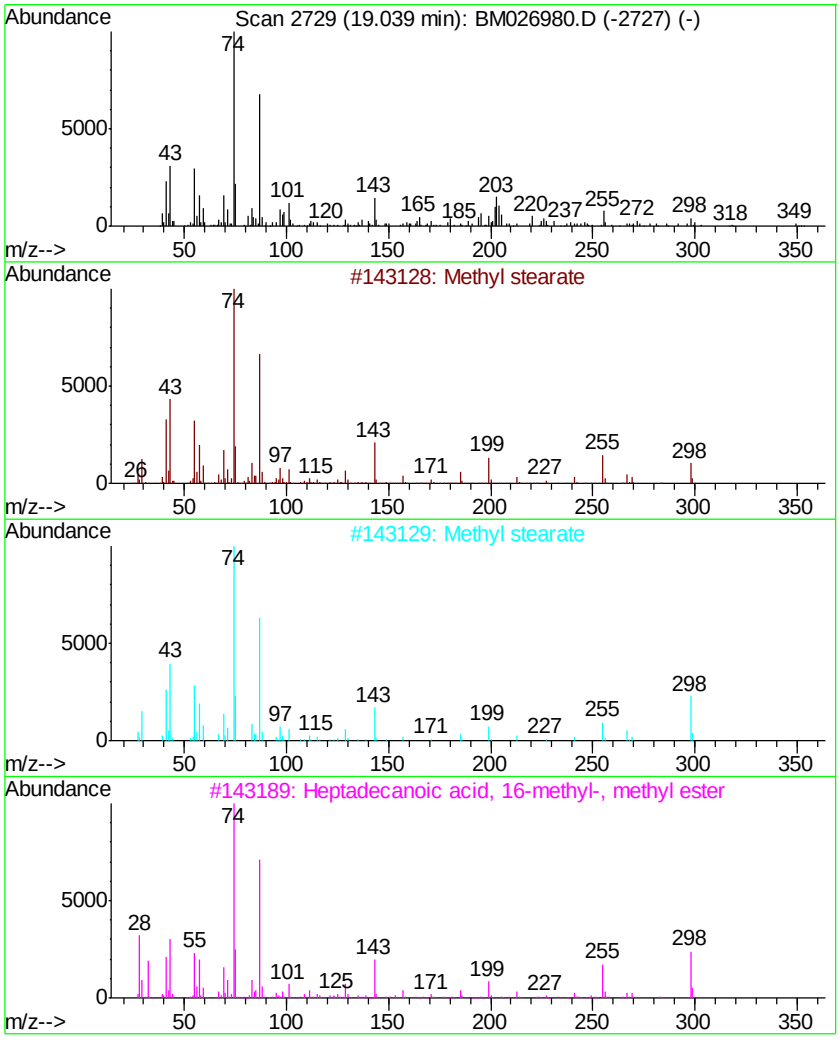
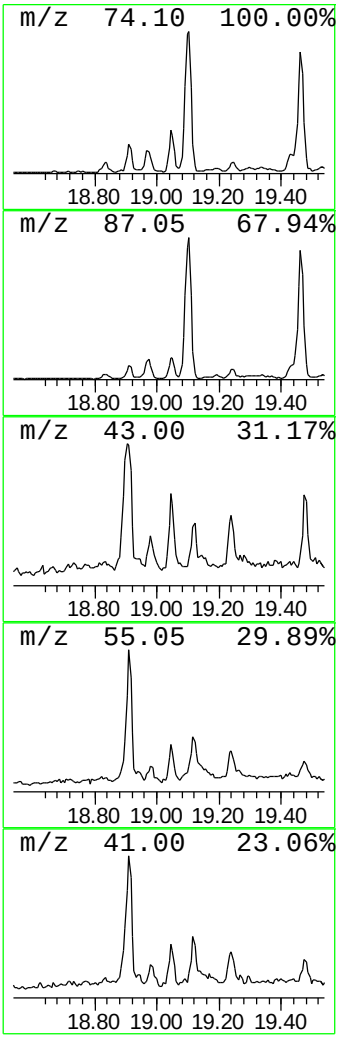
Peak Number 22 Methyl stearate Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	2.87 ng/ul	197934	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	93
2	Methyl stearate	298	C19H38O2	000112-61-8	93
3	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	91
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	91
5	Methyl stearate	298	C19H38O2	000112-61-8	90





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Sample : L3424-16 5X
Misc :
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Instrument : BNA_M
ClientSampleId : C0S91

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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 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	3.31 ng/ul	1332190	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
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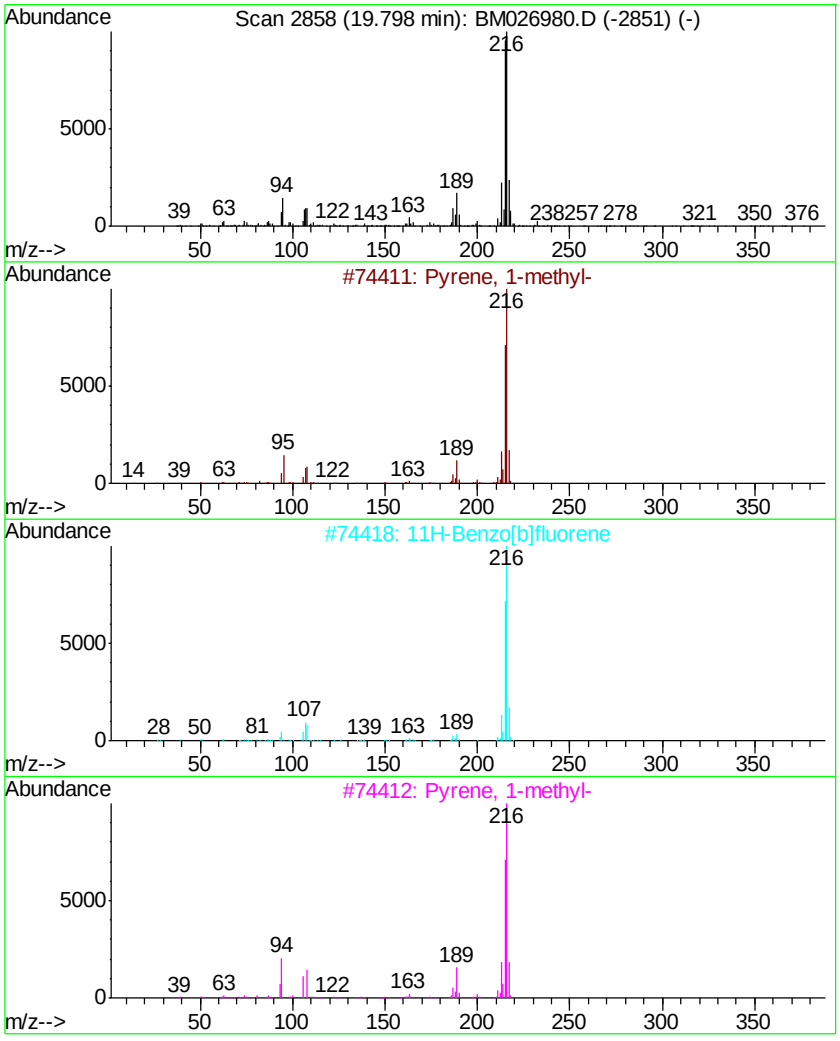

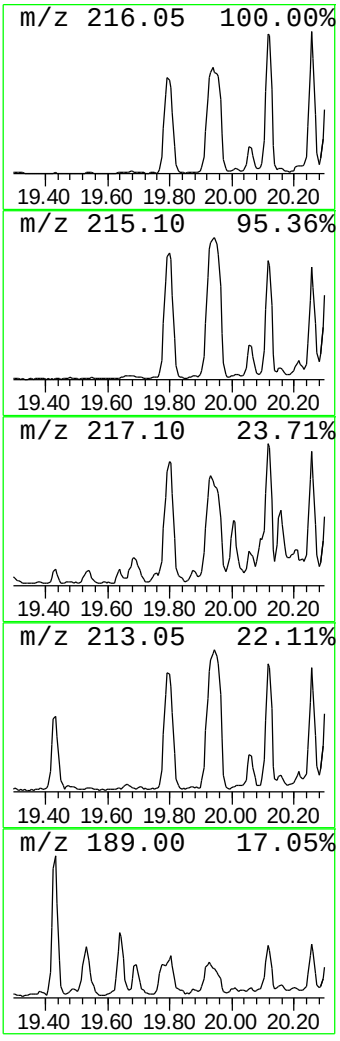

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Quant Title : SVOA CALIBRATION

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

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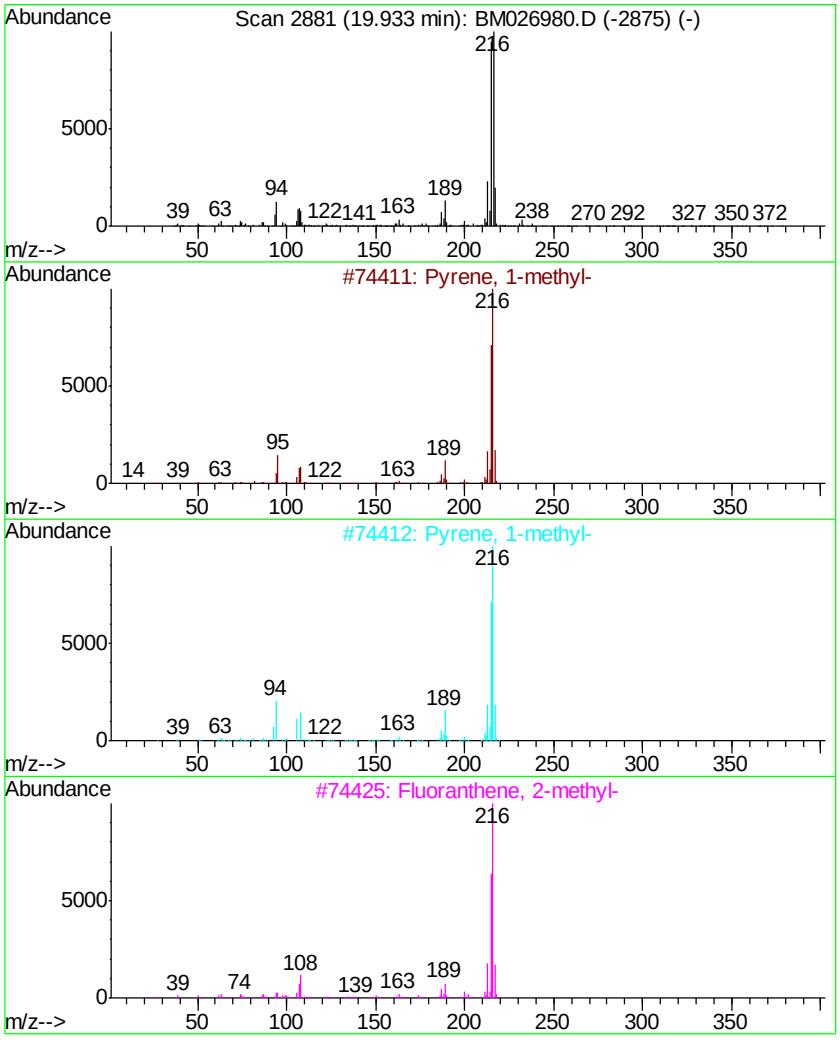
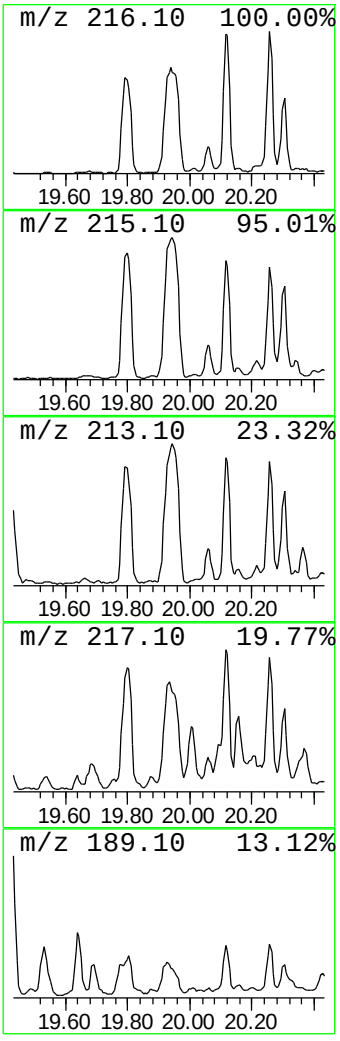
Peak Number 24 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	5.02 ng/ul	2021210	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Quant Title : SVOA CALIBRATION

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

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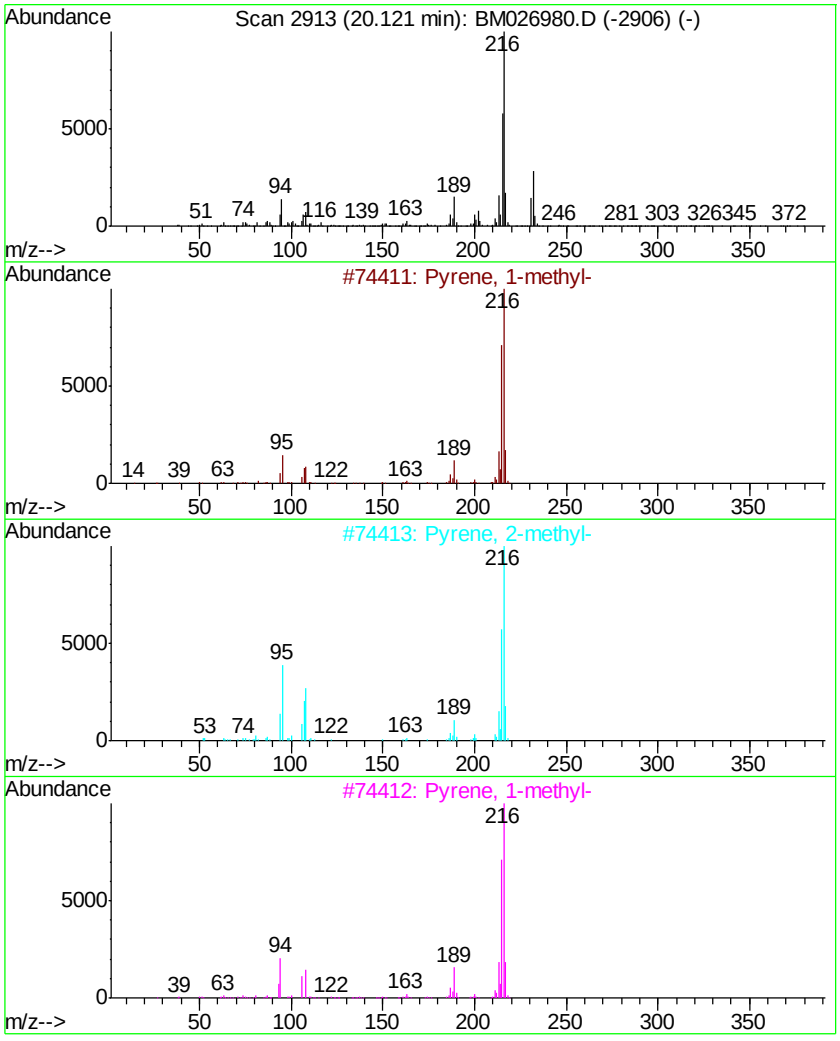
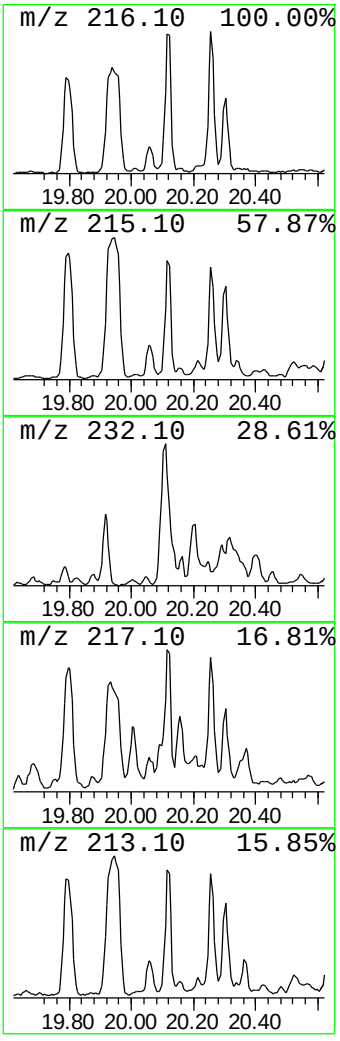
Peak Number 25 unknown-01 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	3.81 ng/ul	1531590	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	78
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





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Quant Title : SVOA CALIBRATION

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

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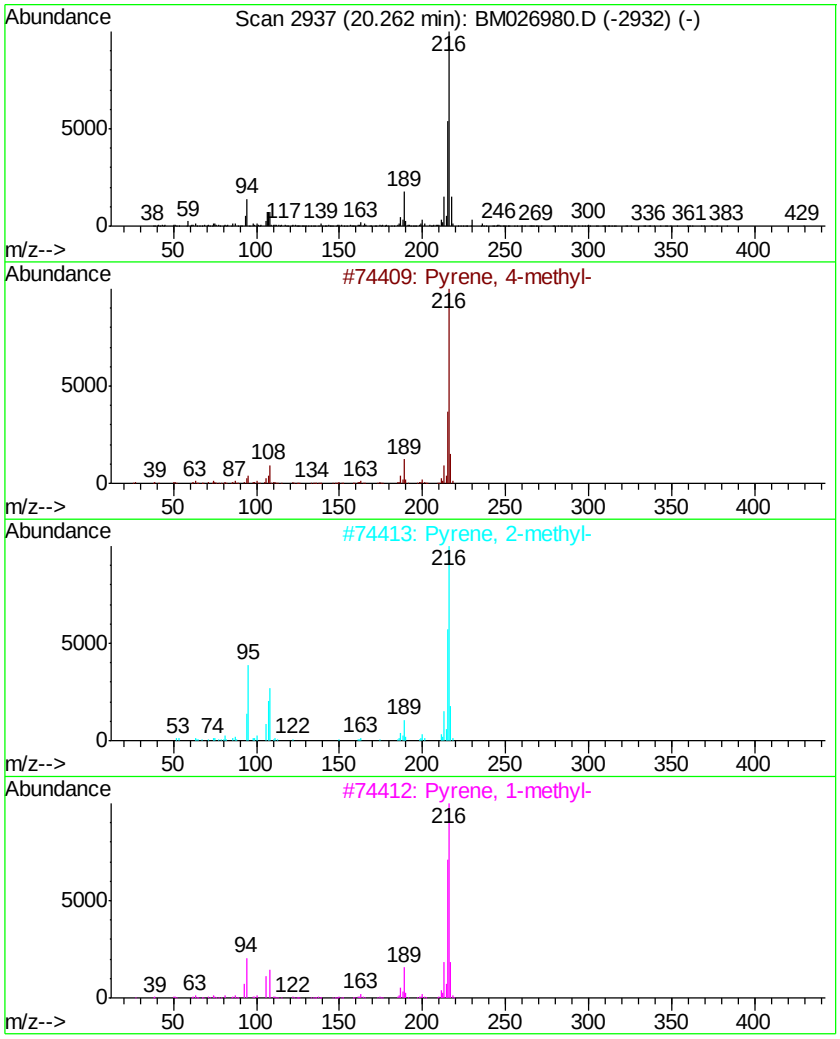
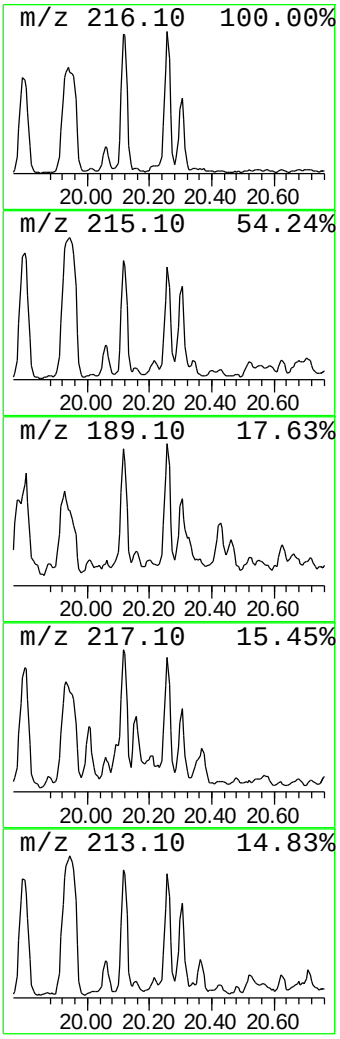
Peak Number 26 Pyrene, 4-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	2.02 ng/ul	810855	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





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Sample : L3424-16 5X
Misc :
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Quant Title : SVOA CALIBRATION

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

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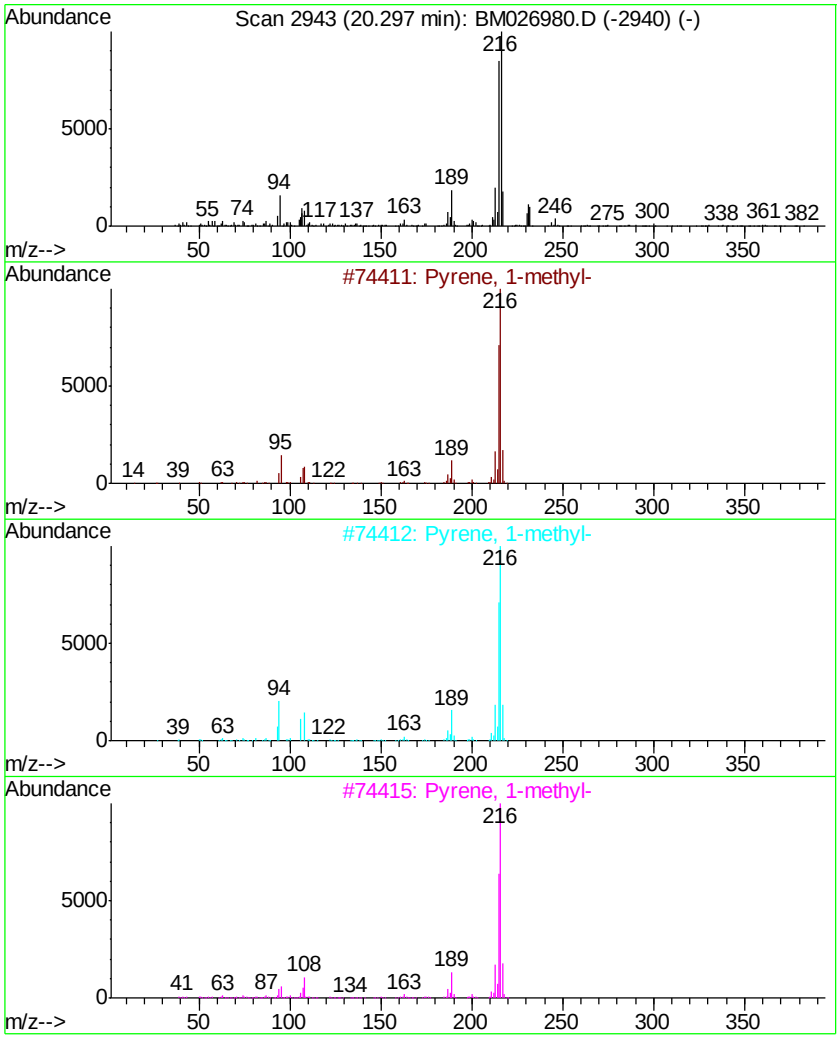
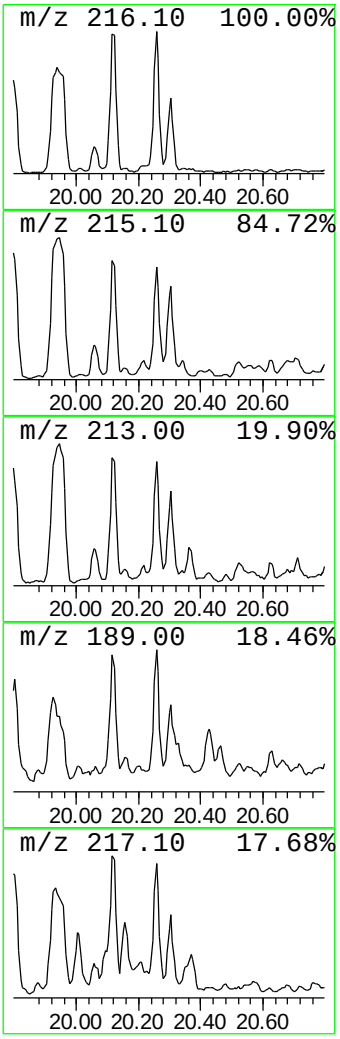
Peak Number 27 unknown-02 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.30	2.99 ng/ul	1204750	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





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Data File : BM026980.D
Acq On : 03 Aug 2020 16:08
Operator : JU/CG
Sample : L3424-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

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

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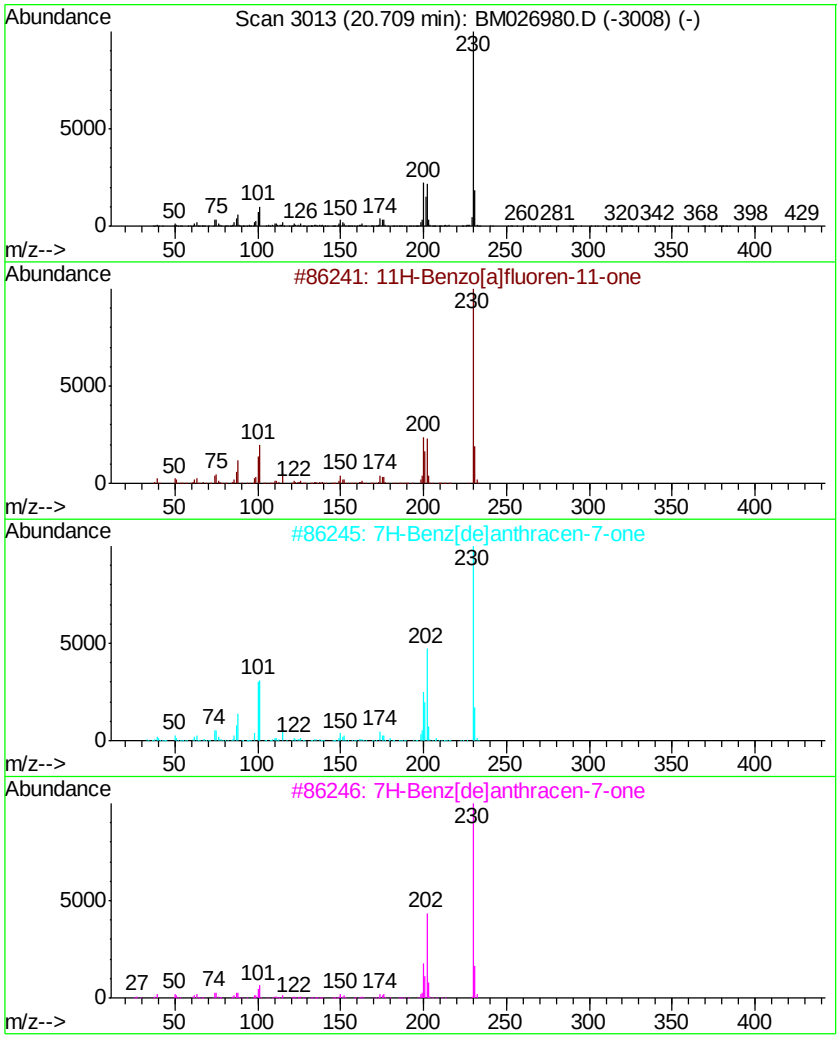
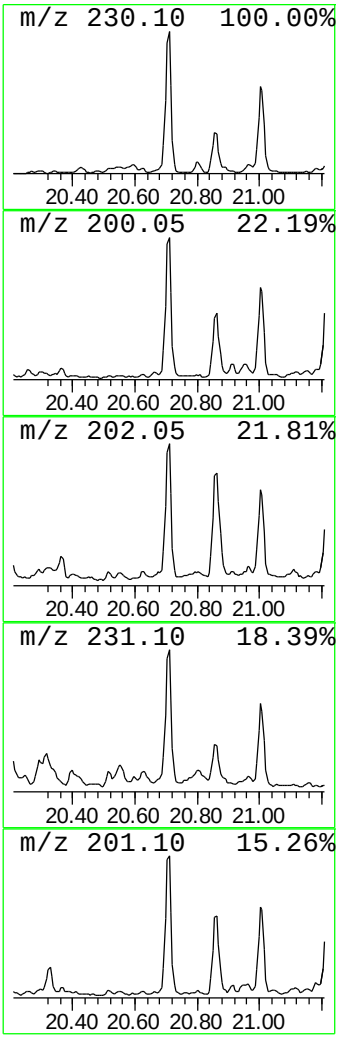
Peak Number 28 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.71	4.84 ng/ul	1947060	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	68





Library Search Compound Report

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Data File : BM026980.D
Acq On : 03 Aug 2020 16:08
Operator : JU/CG
Sample : L3424-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

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

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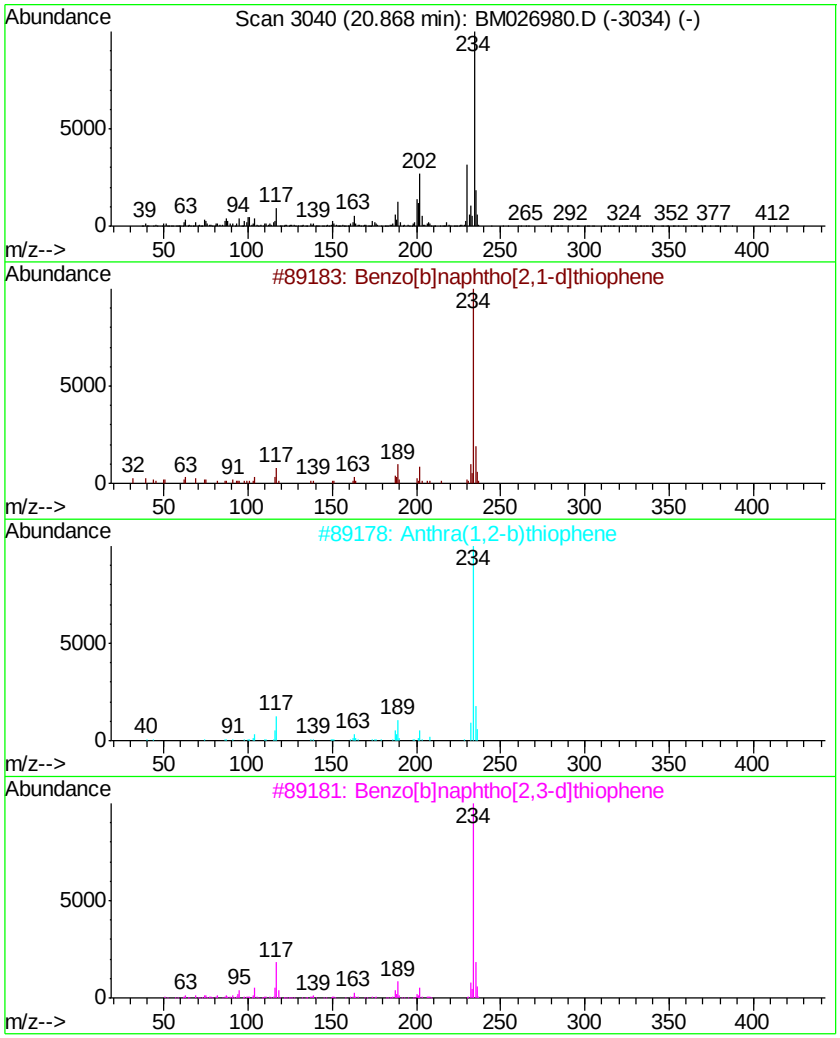
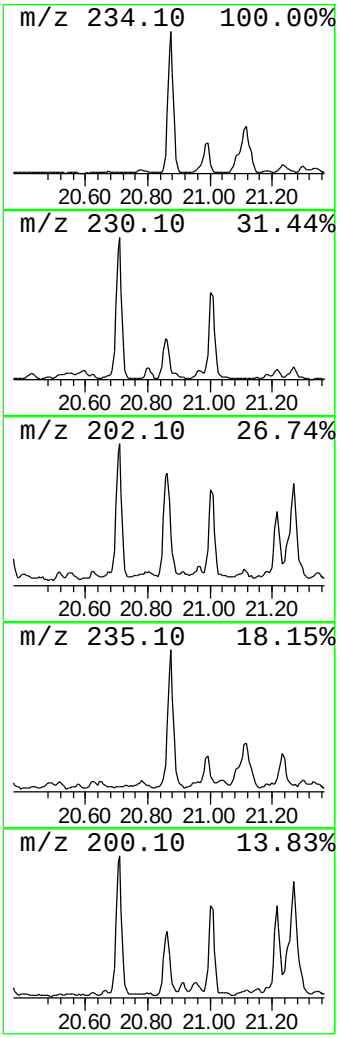
Peak Number 29 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	4.41 ng/ul	1776080	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	83
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	64





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Data File : BM026980.D
Acq On : 03 Aug 2020 16:08
Operator : JU/CG
Sample : L3424-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

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

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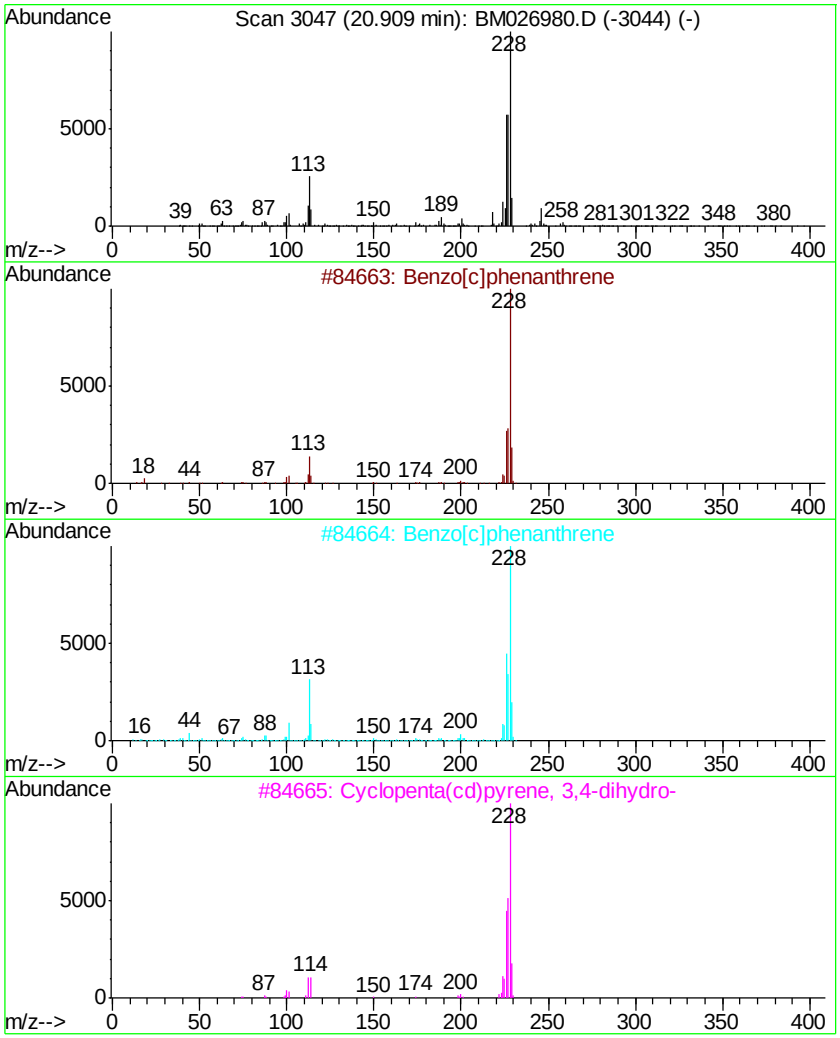
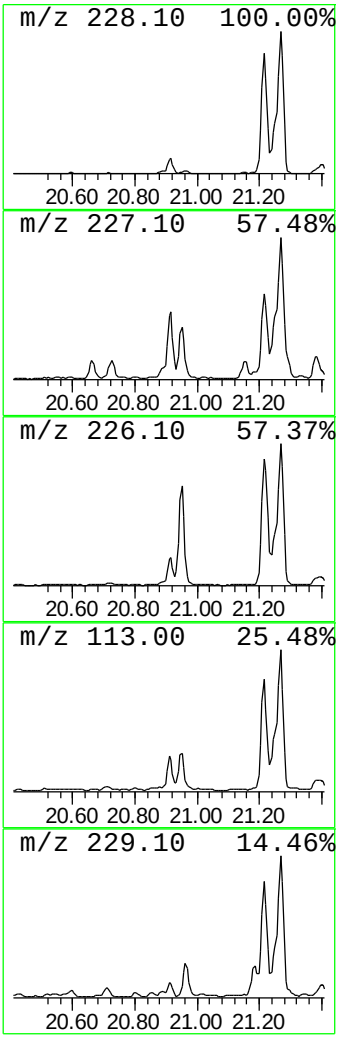
Peak Number 30 Benzo[c]phenanthrene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.91	2.66 ng/ul	1070600	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	62
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	60
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
4	Triphenylene	228	C18H12	000217-59-4	50
5	Benz[a]anthracene	228	C18H12	000056-55-3	45





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Data File : BM026980.D
Acq On : 03 Aug 2020 16:08
Operator : JU/CG
Sample : L3424-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

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

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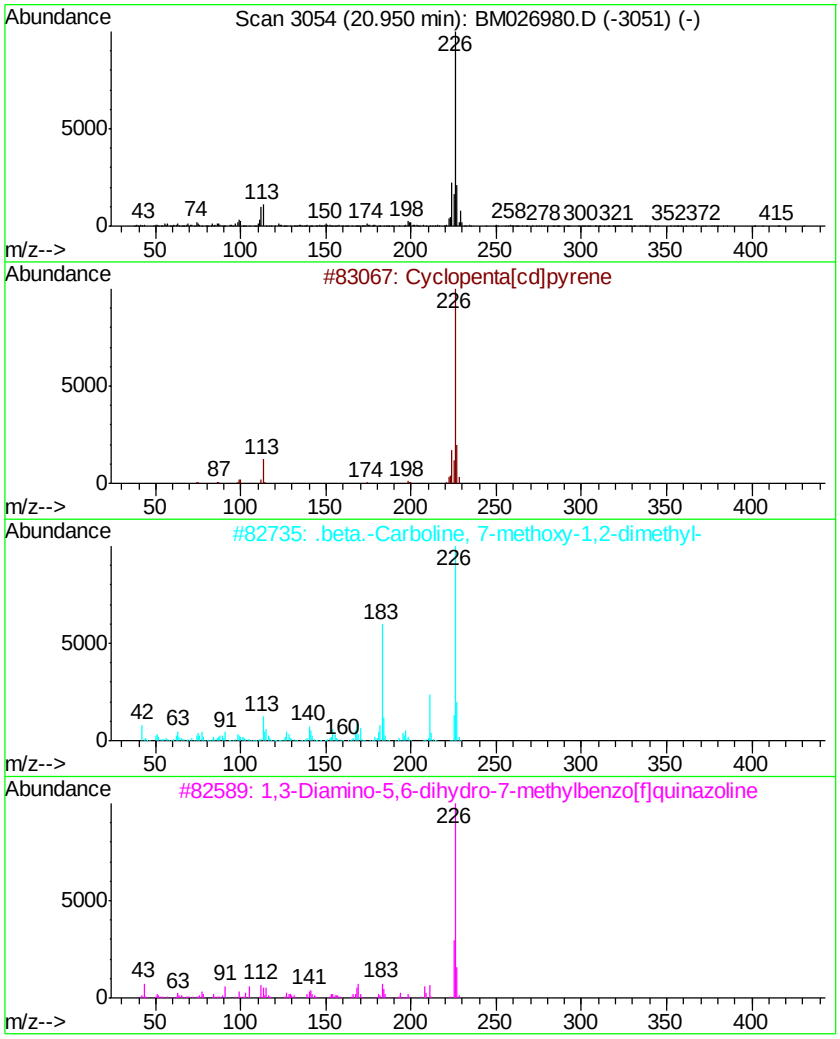
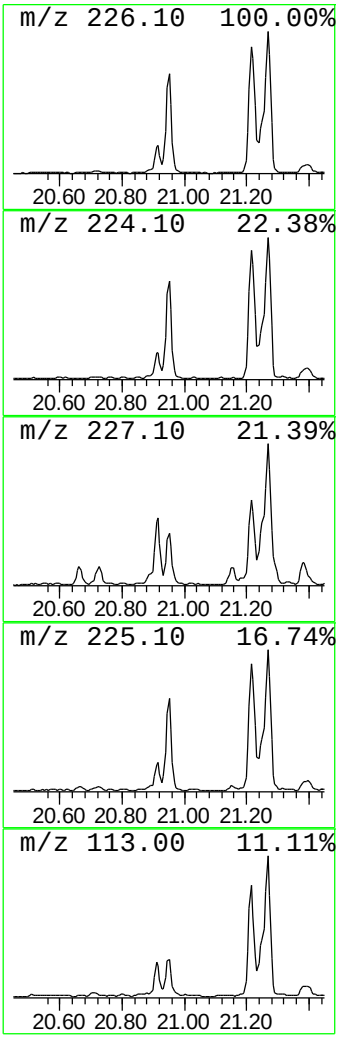
Peak Number 31 Cyclopenta[cd]pyrene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.95	4.36 ng/ul	1755760	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	74
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	50
4	2,2'-Oxydibenzaldehyde	226	C14H10O3	049590-51-4	33
5	9H-Xanthen-9-one, 2-methoxy-	226	C14H10O3	001214-20-6	33





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080320\
Data File : BM026980.D
Acq On : 03 Aug 2020 16:08
Operator : JU/CG
Sample : L3424-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

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

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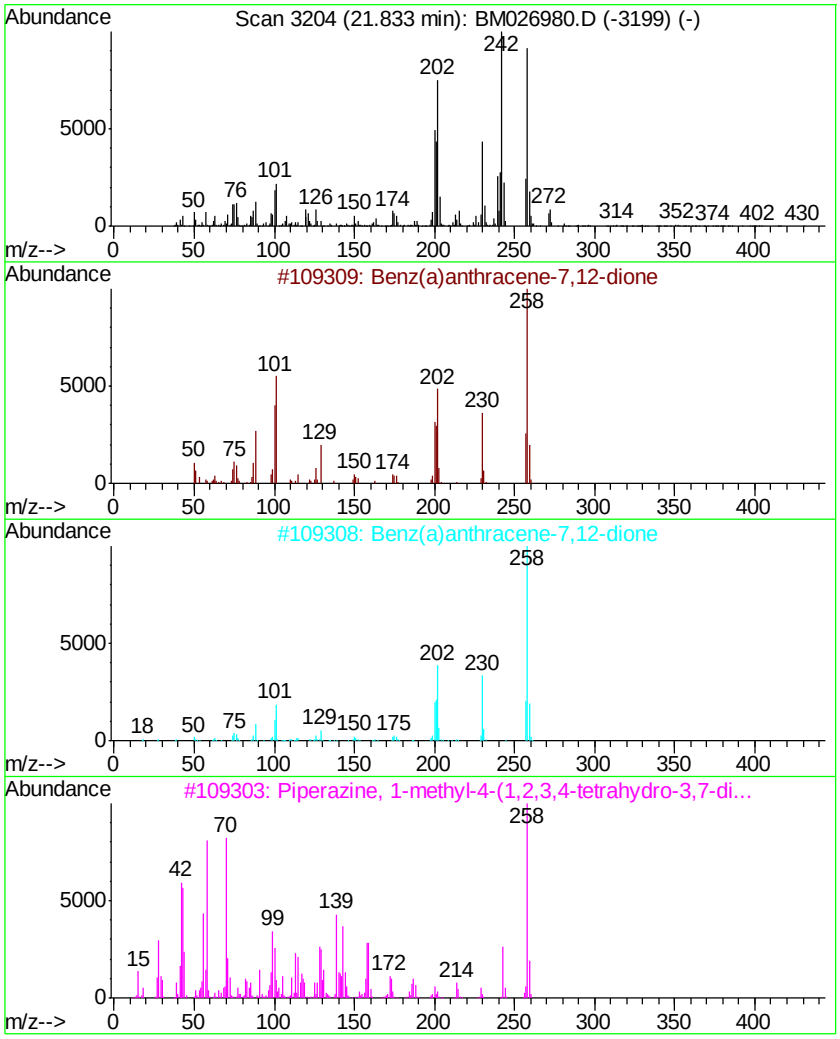
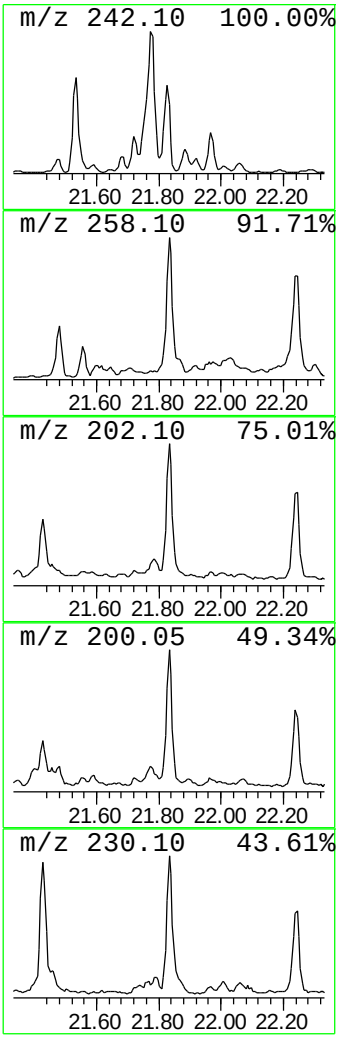
Peak Number 36 Benz(a)anthracene-7,12-dione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	4.43 ng/ul	1782740	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	91
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	90
3	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	59
4	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	55
5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080320\
Data File : BM026980.D
Acq On : 03 Aug 2020 16:08
Operator : JU/CG
Sample : L3424-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
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
Indene	8.20	4.3	ng/ul	150549	1	7.66	708557	20.0
Naphthalene, 1-me...	12.32	2.6	ng/ul	130834	2	10.43	998947	20.0
2,4,6-Cycloheptat...	15.79	2.9	ng/ul	201258	4	17.03	1380190	20.0
1(2H)-Acenaphthyl...	16.01	2.6	ng/ul	179921	4	17.03	1380190	20.0
(DEL) Alkane: Str...	16.07	2.3	ng/ul	155154	4	17.03	1380190	20.0
9H-Fluoren-9-one	16.69	5.0	ng/ul	345050	4	17.03	1380190	20.0
Anthracene, 1,2,3...	17.23	2.4	ng/ul	166405	4	17.03	1380190	20.0
Naphthalene, 1-ph...	17.56	2.1	ng/ul	142807	4	17.03	1380190	20.0
Tridecanoic acid,...	17.73	2.5	ng/ul	170760	4	17.03	1380190	20.0
Phenanthrene, 1-m...	17.91	4.3	ng/ul	296061	4	17.03	1380190	20.0
1H-Cyclopropa[l]p...	17.96	10.9	ng/ul	753627	4	17.03	1380190	20.0
Anthracene, 2-met...	18.04	4.4	ng/ul	300801	4	17.03	1380190	20.0
Benzaldehyde, 3,5...	18.10	9.6	ng/ul	665447	4	17.03	1380190	20.0
Phenanthrene, 4-m...	18.14	3.8	ng/ul	259022	4	17.03	1380190	20.0
Anthrone	18.30	2.3	ng/ul	159481	4	17.03	1380190	20.0
6-Phenylbenzocycl...	18.42	4.7	ng/ul	323021	4	17.03	1380190	20.0
9,10-Anthracenedione	18.45	7.4	ng/ul	508161	4	17.03	1380190	20.0
9,10-Dimethylanth...	18.83	7.3	ng/ul	501334	4	17.03	1380190	20.0
9-Octadecenoic ac...	18.91	12.3	ng/ul	847441	4	17.03	1380190	20.0
Cyclopenta(def)ph...	18.97	14.2	ng/ul	982344	4	17.03	1380190	20.0
Methyl stearate	19.04	2.9	ng/ul	197934	4	17.03	1380190	20.0
Pyrene, 1-methyl-	19.80	3.3	ng/ul	1332190	5	21.23	8048100	20.0
Fluoranthene, 2-m...	19.93	5.0	ng/ul	2021210	5	21.23	8048100	20.0
unknown-01	20.12	3.8	ng/ul	1531590	5	21.23	8048100	20.0
Pyrene, 4-methyl-	20.26	2.0	ng/ul	810855	5	21.23	8048100	20.0
unknown-02	20.30	3.0	ng/ul	1204750	5	21.23	8048100	20.0
11H-Benzo[a]fluor...	20.71	4.8	ng/ul	1947060	5	21.23	8048100	20.0
Benzo[b]naphtho[2...	20.87	4.4	ng/ul	1776080	5	21.23	8048100	20.0
Benzo[c]phenanthrene	20.91	2.7	ng/ul	1070600	5	21.23	8048100	20.0
Cyclopenta[cd]pyrene	20.95	4.4	ng/ul	1755760	5	21.23	8048100	20.0
Benz(a)anthracene...	21.83	4.4	ng/ul	1782740	5	21.23	8048100	20.0