LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027076.D
Acq On : 14 Aug 2020 01:31
Operator : JU/CG
Sample : L3630-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFML2

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-BM080720MA.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	3.699	116	121	128	rVB	78018	102182	1.66%	0.120%
2	6.816	643	651	661	rBV	540561	884503	14.36%	1.037%
3	6.981	672	679	688	rBV	417039	652076	10.59%	0.765%
4	7.175	705	712	721	rBV	567911	903992	14.68%	1.060%
5	7.252	721	725	739	rVV	59208	109054	1.77%	0.128%
6	7.640	781	791	799	rVB	560566	866031	14.06%	1.016%
7	8.346	903	911	918	rBV	645489	1001435	16.26%	1.174%
8	8.781	977	985	997	rVB	523570	840852	13.66%	0.986%
9	9.499	1098	1107	1116	rBV	440721	705879	11.46%	0.828%
10	10.034	1191	1198	1207	rVB	725893	1187299	19.28%	1.392%
11	10.410	1254	1262	1268	rBV	701194	1161404	18.86%	1.362%
12	10.546	1276	1285	1302	rBV	519456	911926	14.81%	1.069%
13	13.598	1794	1804	1808	rBV	36882	68995	1.12%	0.081%
14	13.687	1814	1819	1824	rVV	1165944	1655144	26.88%	1.941%
15	13.734	1824	1827	1835	rVV	484755	653309	10.61%	0.766%
16	13.963	1854	1866	1882	rBV2	1354609	2507144	40.72%	2.940%
17	14.275	1912	1919	1926	rBV	1085895	1556631	25.28%	1.825%
18	14.475	1947	1953	1963	rBV	533090	797678	12.95%	0.935%
19	14.675	1983	1987	1992	rBV2	43878	72579	1.18%	0.085%
20	14.898	2018	2025	2030	rBV5	32564	71069	1.15%	0.083%
21	15.269	2082	2088	2094	rBV	1759859	2400664	38.99%	2.815%
22	15.322	2094	2097	2103	rVV2	98249	145968	2.37%	0.171%
23	15.392	2103	2109	2116	rVV	366974	521939	8.48%	0.612%
24	15.622	2143	2148	2153	rBV	42885	68402	1.11%	0.080%
25	15.769	2168	2173	2181	rVB3	40879	94914	1.54%	0.111%
26	16.010	2208	2214	2218	rVV4	35580	88777	1.44%	0.104%
27	16.333	2262	2269	2273	rBV4	31681	72651	1.18%	0.085%
28	16.563	2304	2308	2311	rVV2	43853	59963	0.97%	0.070%
29	16.598	2311	2314	2318	rVV3	46358	70275	1.14%	0.082%
30	16.669	2322	2326	2335	rVB	214766	331975	5.39%	0.389%
31	16.757	2336	2341	2346	rBV	37165	67799	1.10%	0.080%
32	16.833	2346	2354	2359	rBV	164774	266592	4.33%	0.313%
33	17.016	2379	2385	2389	rBV	1220021	1790295	29.07%	2.099%
34	17.063	2389	2393	2397	rVV	2659548	3673562	59.66%	4.308%

LSC Area Percent Report

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Acq On : 14 Aug 2020 01:31
Operator : JU/CG
Sample : L3630-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFML2

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-BM080720MA.M
Title : SVOA CALIBRATION

35	17.116	2397	2402	2406	rVV	1842766	2567752	41.70%	3.011%
36	17.151	2406	2408	2413	rVV	212492	236672	3.84%	0.278%
37	17.210	2413	2418	2425	rVB4	47994	98446	1.60%	0.115%
38	17.333	2436	2439	2444	rVB	59234	80823	1.31%	0.095%
39	17.416	2444	2453	2458	rBV2	81786	156186	2.54%	0.183%
40	17.545	2470	2475	2479	rVV2	144594	207086	3.36%	0.243%
41	17.598	2480	2484	2490	rVB	136878	188608	3.06%	0.221%
42	17.739	2504	2508	2514	rVB2	63063	120801	1.96%	0.142%
43	17.810	2516	2520	2525	rBV	69895	105964	1.72%	0.124%
44	17.892	2529	2534	2538	rBV	452927	633203	10.28%	0.743%
45	17.939	2538	2542	2549	rVB	777068	1049095	17.04%	1.230%
46	18.022	2551	2556	2560	rVB2	70474	106190	1.72%	0.125%
47	18.086	2560	2567	2571	rBV2	538202	970810	15.77%	1.138%
48	18.127	2571	2574	2582	rVB	347173	449505	7.30%	0.527%
49	18.245	2591	2594	2598	rVB6	48709	64118	1.04%	0.075%
50	18.398	2616	2620	2623	rBV	459621	597422	9.70%	0.701%
51	18.433	2623	2626	2633	rVB	759935	981775	15.94%	1.151%
52	18.545	2639	2645	2649	rBV7	24953	65568	1.06%	0.077%
53	18.616	2653	2657	2660	rBV5	46758	77673	1.26%	0.091%
54	18.645	2660	2662	2667	rVV2	91436	128481	2.09%	0.151%
55	18.698	2668	2671	2674	rVV	93997	116447	1.89%	0.137%
56	18.739	2674	2678	2682	rVB2	86813	120455	1.96%	0.141%
57	18.821	2686	2692	2697	rBV2	397809	631824	10.26%	0.741%
58	18.880	2697	2702	2705	rVV3	150985	266206	4.32%	0.312%
59	18.910	2705	2707	2711	rVV	93041	121548	1.97%	0.143%
60	18.957	2711	2715	2723	rVB	400617	608015	9.87%	0.713%
61	19.080	2731	2736	2742	rVB	3923830	5129292	83.30%	6.015%
62	19.151	2744	2748	2751	rVV	83204	126083	2.05%	0.148%
63	19.186	2751	2754	2757	rVV3	79713	112073	1.82%	0.131%
64	19.227	2757	2761	2766	rVV	348961	494887	8.04%	0.580%
65	19.280	2766	2770	2774	rVV2	213569	315805	5.13%	0.370%
66	19.321	2774	2777	2788	rVV2	164460	382882	6.22%	0.449%
67	19.416	2788	2793	2795	rVV	2416300	3291610	53.46%	3.860%
68	19.445	2795	2798	2806	rVV	4746775	6157719	100.00%	7.221%
69	19.516	2806	2810	2817	rVB4	119490	262781	4.27%	0.308%
70	19.621	2825	2828	2834	rBV	105178	154079	2.50%	0.181%
71	19.680	2835	2838	2845	rVB3	108554	187575	3.05%	0.220%

LSC Area Percent Report

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Acq On : 14 Aug 2020 01:31
Operator : JU/CG
Sample : L3630-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFML2

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-BM080720MA.M
Title : SVOA CALIBRATION

72	19.774	2847	2854	2861	rBV3	299860	855999	13.90%	1.004%
73	19.910	2872	2877	2879	rBV3	252747	392758	6.38%	0.461%
74	19.939	2880	2882	2887	rVB	370256	472698	7.68%	0.554%
75	19.998	2889	2892	2895	rBV4	43409	73366	1.19%	0.086%
76	20.045	2896	2900	2903	rBV	159044	179219	2.91%	0.210%
77	20.098	2904	2909	2914	rBV2	453737	635424	10.32%	0.745%
78	20.192	2921	2925	2929	rBV4	62979	124973	2.03%	0.147%
79	20.239	2929	2933	2937	rVV	327347	392985	6.38%	0.461%
80	20.286	2937	2941	2947	rVB	282926	386830	6.28%	0.454%
81	20.498	2974	2977	2980	rBV4	74876	117077	1.90%	0.137%
82	20.686	3005	3009	3017	rVB	487774	684291	11.11%	0.802%
83	20.851	3032	3037	3041	rBV2	341441	657059	10.67%	0.771%
84	20.898	3041	3045	3047	rVV	392532	490797	7.97%	0.576%
85	20.945	3047	3053	3056	rVV2	743099	1241964	20.17%	1.456%
86	20.986	3056	3060	3069	rVB2	492863	700649	11.38%	0.822%
87	21.204	3091	3097	3101	rBV2	2216491	4252019	69.05%	4.986%
88	21.245	3101	3104	3111	rVB	1998751	2584900	41.98%	3.031%
89	21.410	3129	3132	3136	rVB	403717	436852	7.09%	0.512%
90	21.757	3188	3191	3195	rVB	312951	368388	5.98%	0.432%
91	21.810	3196	3200	3206	rVV4	344135	596407	9.69%	0.699%
92	21.945	3221	3223	3226	rBV	144606	154106	2.50%	0.181%
93	22.757	3355	3361	3374	rBV2	1365684	4213479	68.43%	4.941%
94	22.921	3385	3389	3397	rVB	271465	445015	7.23%	0.522%
95	23.221	3435	3440	3444	rBV	890758	1558741	25.31%	1.828%
96	23.268	3444	3448	3452	rVV	1482356	2623926	42.61%	3.077%
97	23.315	3452	3456	3464	rVB2	1278755	2266127	36.80%	2.657%
98	23.409	3466	3472	3477	rBV	976028	1692479	27.49%	1.985%
99	25.609	3839	3846	3855	rVB2	659110	1747373	28.38%	2.049%
100	26.268	3953	3958	3972	rVB	441007	1199452	19.48%	1.407%

Sum of corrected areas: 85273770

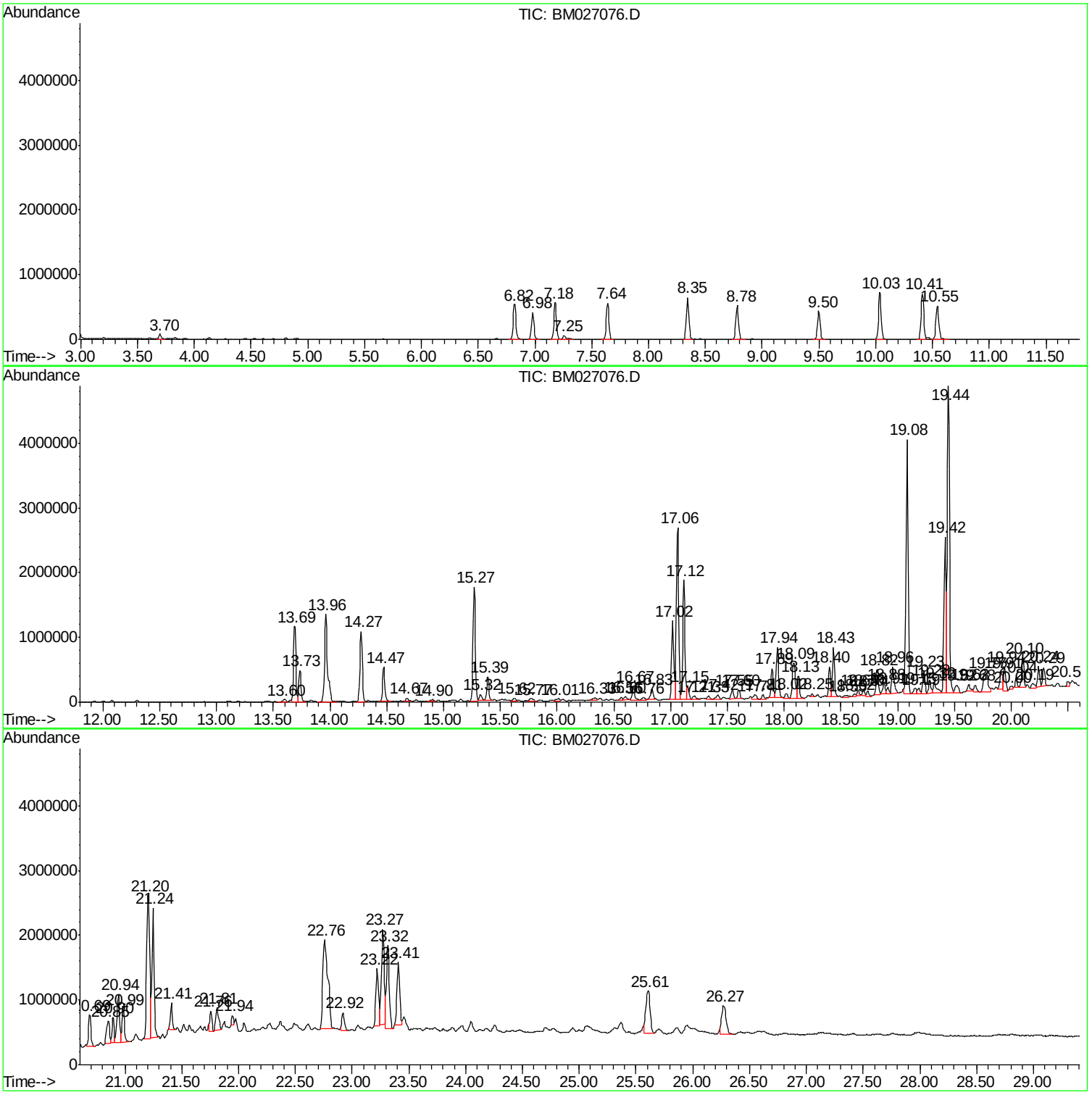
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027076.D
Acq On : 14 Aug 2020 01:31
Operator : JU/CG
Sample : L3630-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFML2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.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\BM081320\
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

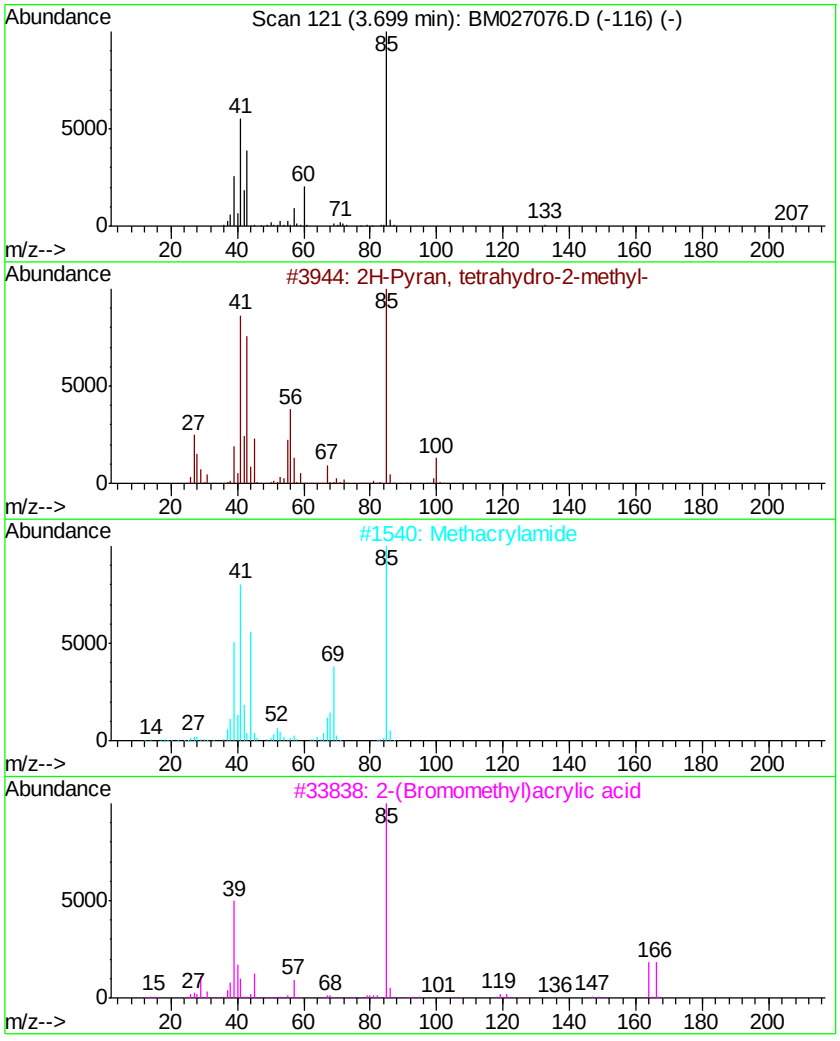
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

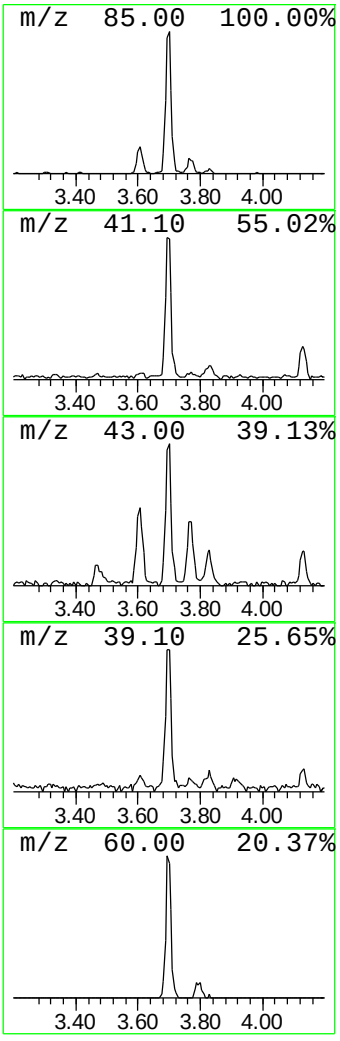
****

Peak Number 1 unknown-01 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.70	2.36 ng/ul	102182	1,4-Dichlorobenzene-d4	7.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	25
2	Methacrylamide	85	C4H7NO	000079-39-0	12
3	2-(Bromomethyl)acrylic acid	164	C4H5BrO2	072707-66-5	9
4	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	9
5	2H-Pyran, 2-(bromomethyl)tetrahy...	178	C6H11BrO	034723-82-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
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Sample : L3630-16
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Instrument : BNA_M
ClientSampleId : BFML2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

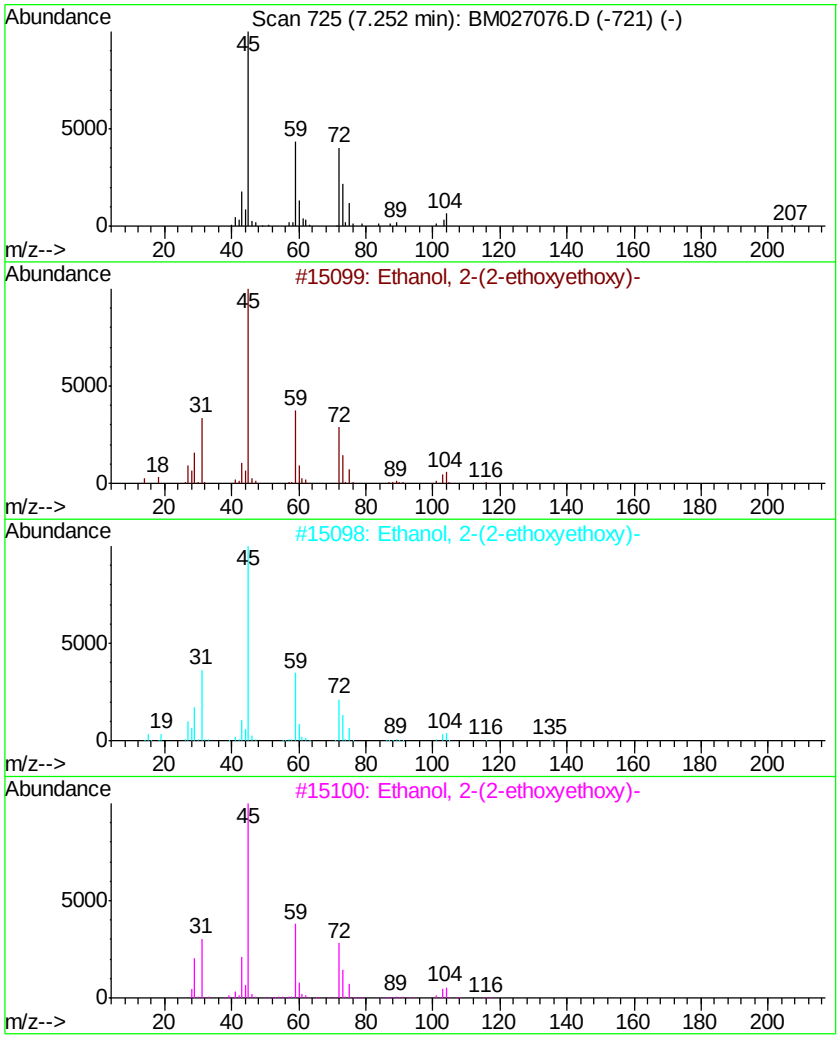
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

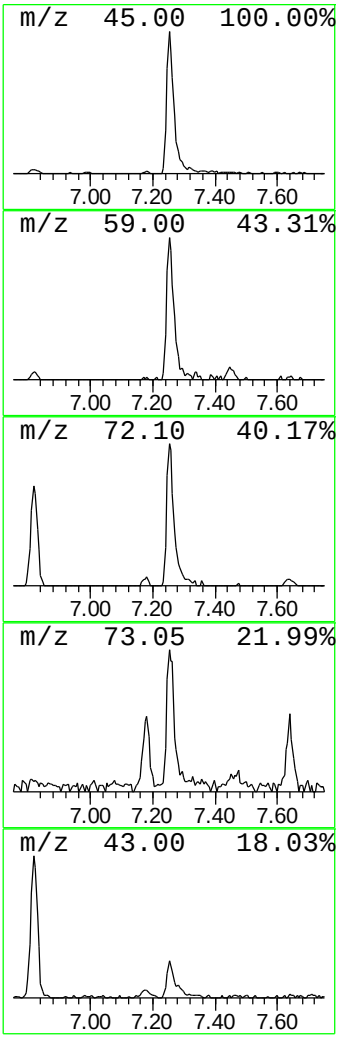
****

Peak Number 2 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	2.52 ng/ul	109054	1,4-Dichlorobenzene-d4	7.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	90
2	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	83
3	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	83
4	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	64
5	Diethyl carbitol	162	C8H18O3	000112-36-7	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
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Sample : L3630-16
Misc :
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Instrument : BNA_M
ClientSampleId : BFML2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

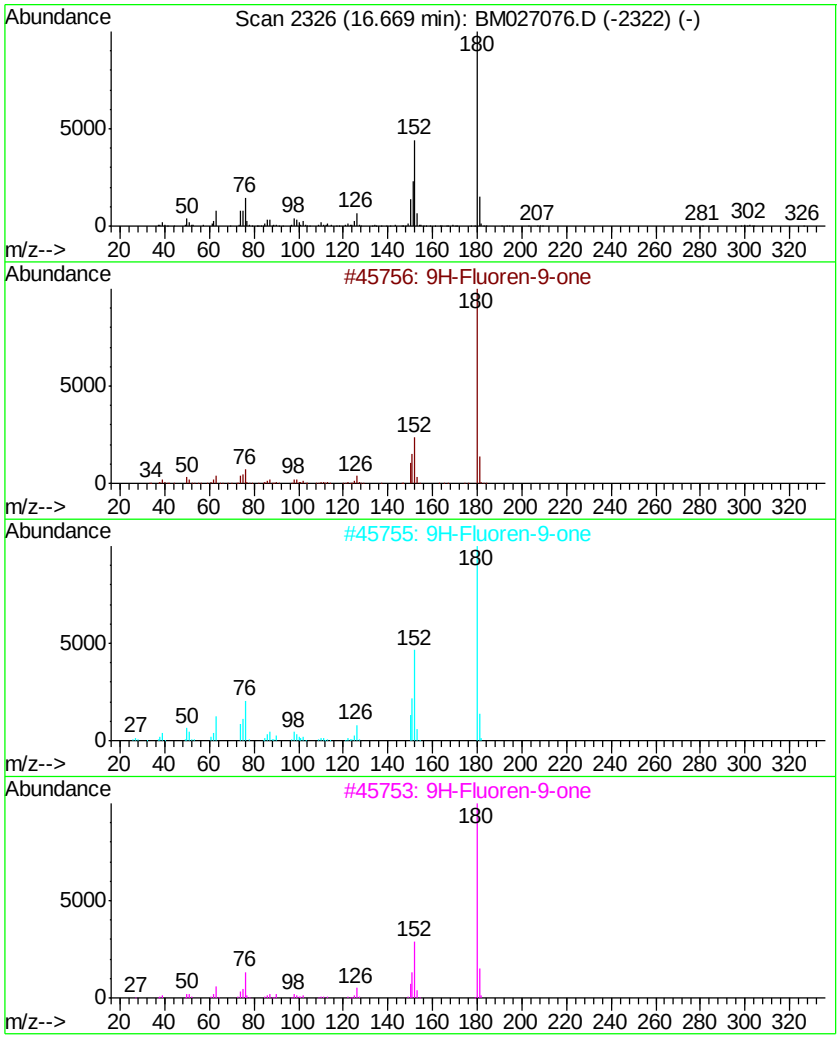
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

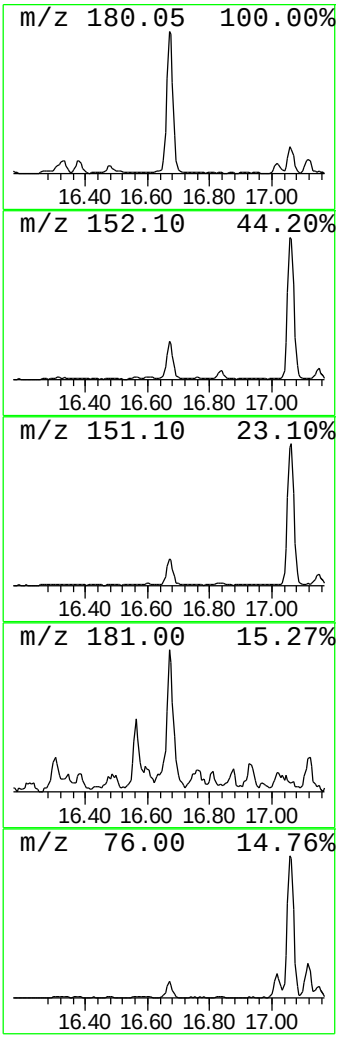
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	3.71 ng/ul	331975	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027076.D
Acq On : 14 Aug 2020 01:31
Operator : JU/CG
Sample : L3630-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFML2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

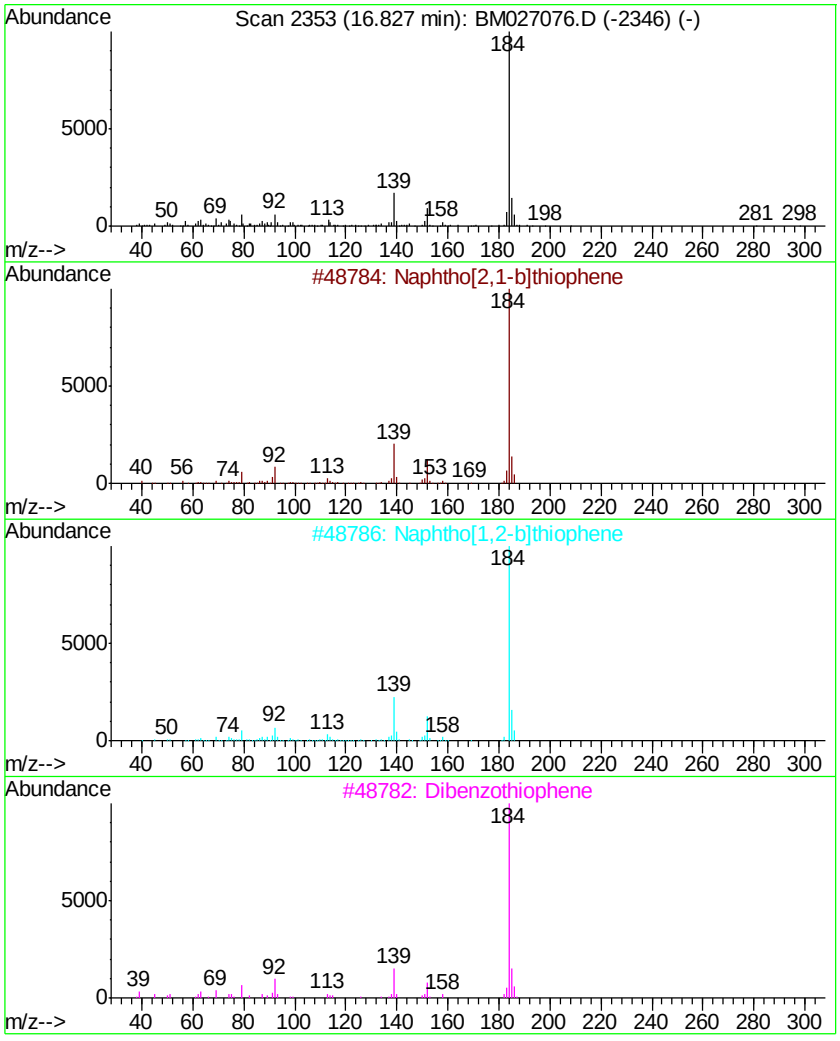
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

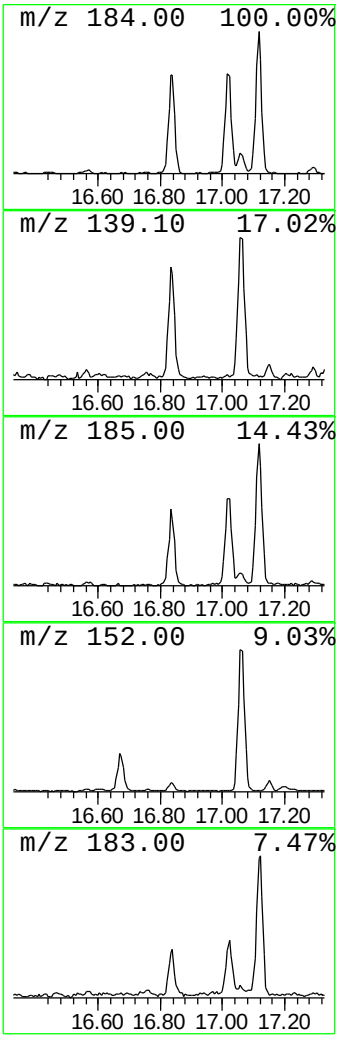
****

Peak Number 4 Naphtho[2,1-b]thiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	2.98 ng/ul	266592	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





Library Search Compound Report

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Data File : BM027076.D
Acq On : 14 Aug 2020 01:31
Operator : JU/CG
Sample : L3630-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFML2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

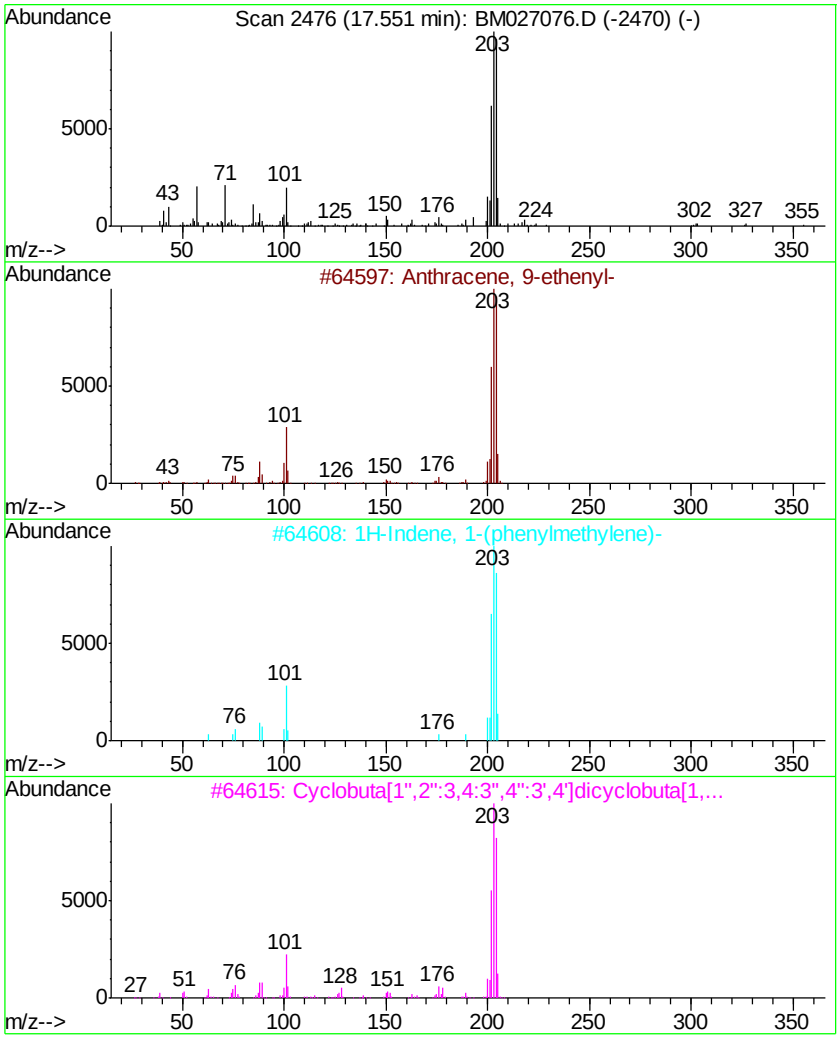
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

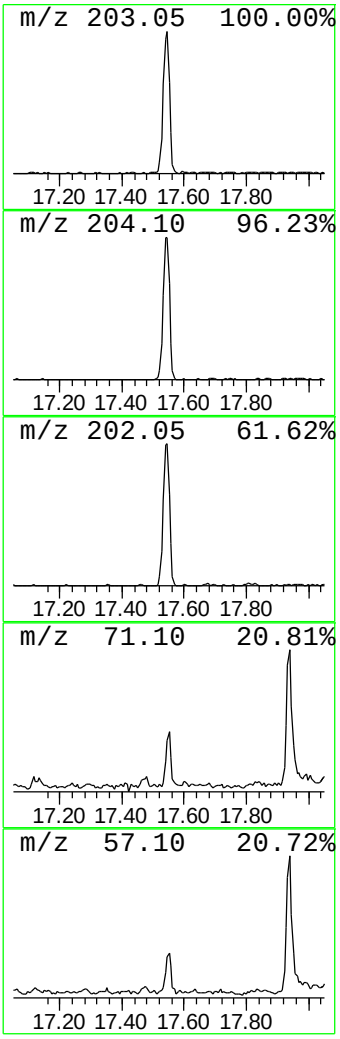
****

Peak Number 5 Anthracene, 9-ethenyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.55	2.31 ng/ul	207086	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	95
2	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
3	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	68
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	68
5	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	64





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Sample : L3630-16
Misc :
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Instrument : BNA_M
ClientSampleId : BFML2

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Quant Title : SVOA CALIBRATION

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

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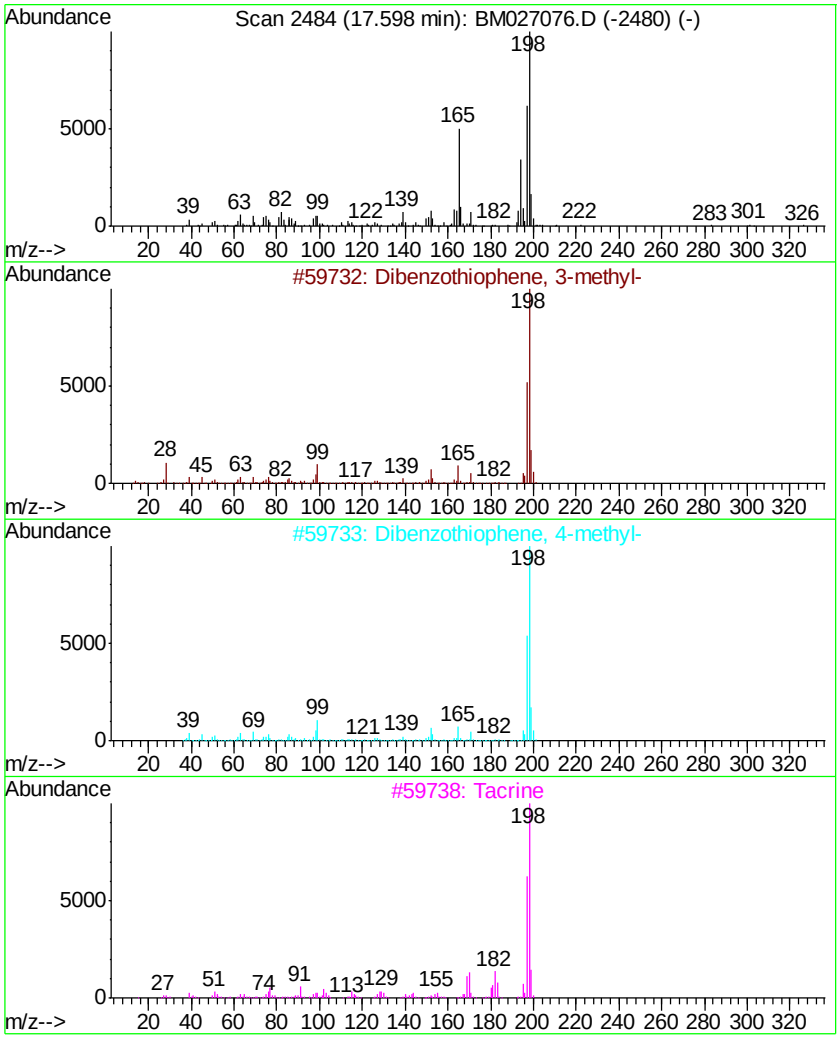
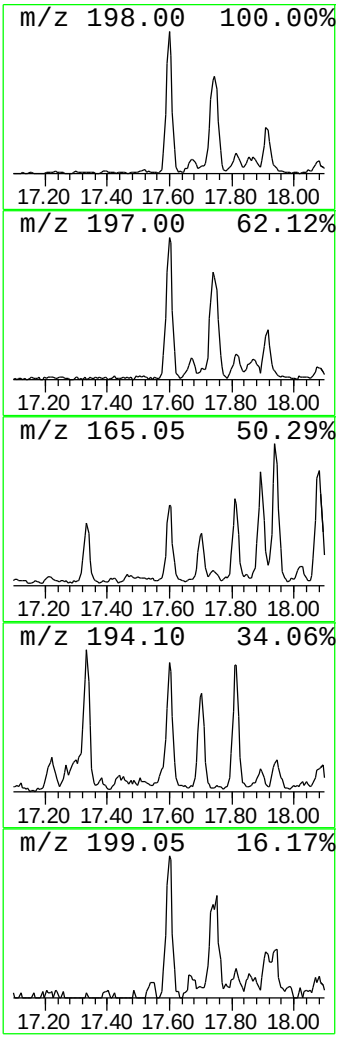
Peak Number 6 Dibenzothiophene, 3-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.60	2.11 ng/ul	188608	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	64
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	58
3	Tacrine	198	C13H14N2	000321-64-2	50
4	Tacrine	198	C13H14N2	000321-64-2	49
5	Thioxanthene	198	C13H10S	000261-31-4	49





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Instrument : BNA_M
ClientSampleId : BFML2

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Quant Title : SVOA CALIBRATION

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

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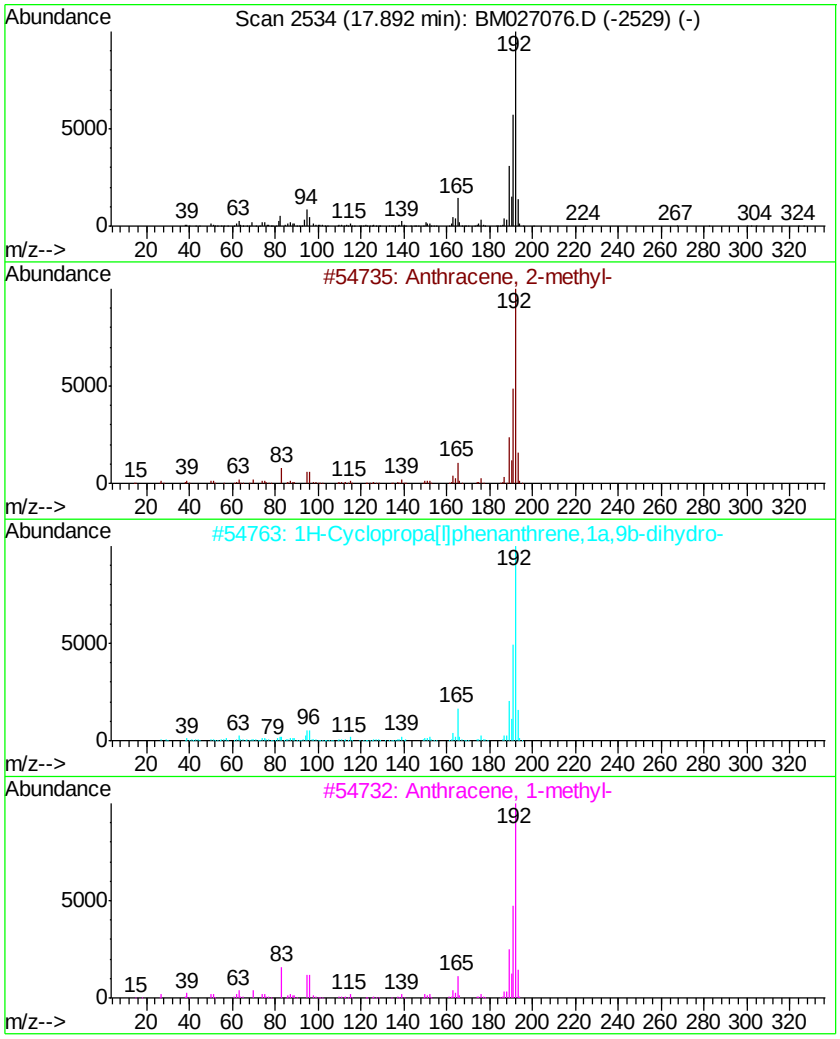
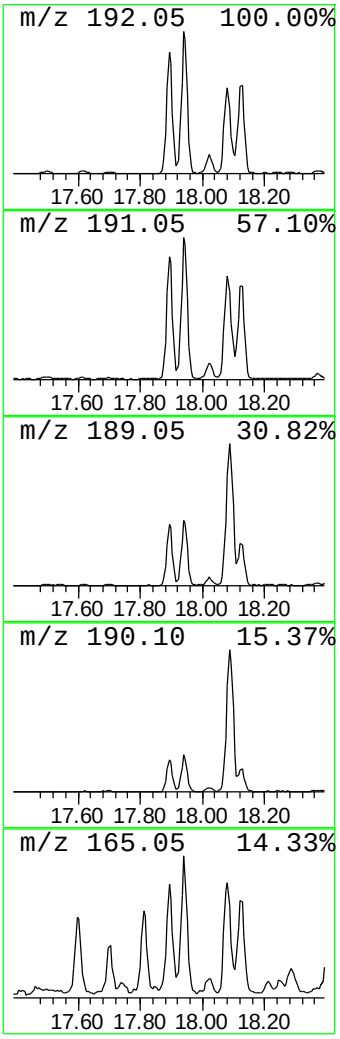
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	7.07 ng/ul	633203	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Misc :
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Instrument : BNA_M
ClientSampleId : BFML2

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Quant Title : SVOA CALIBRATION

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

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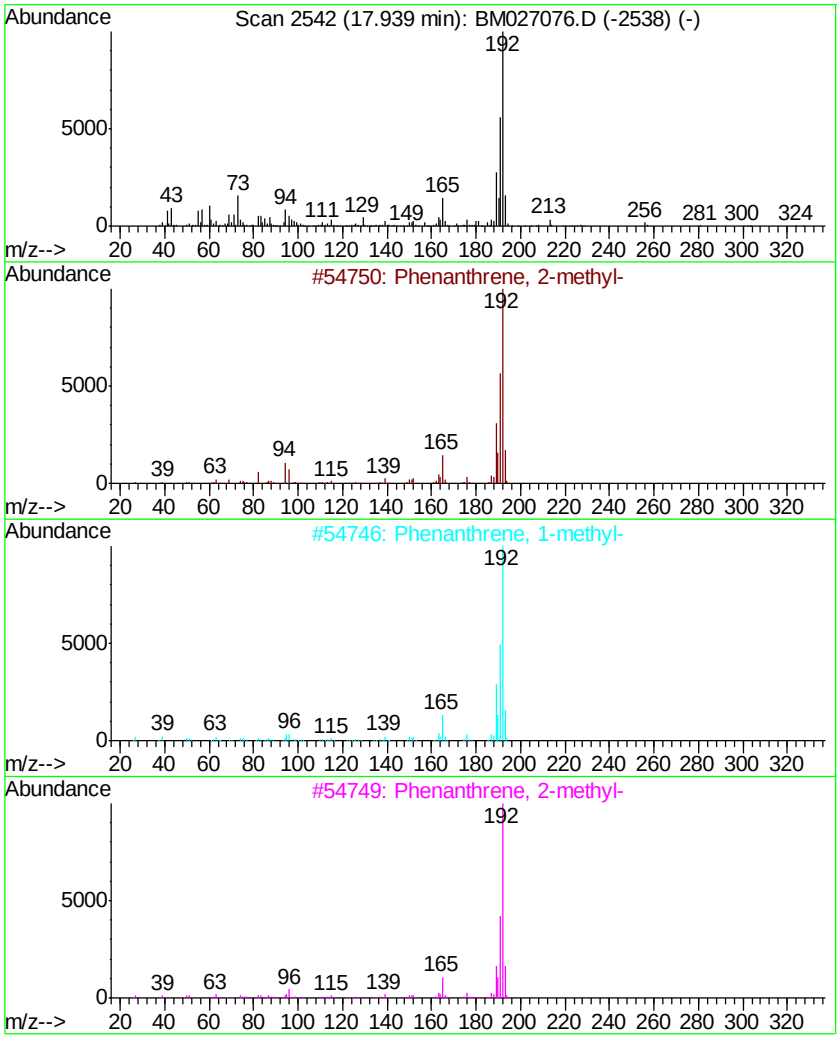
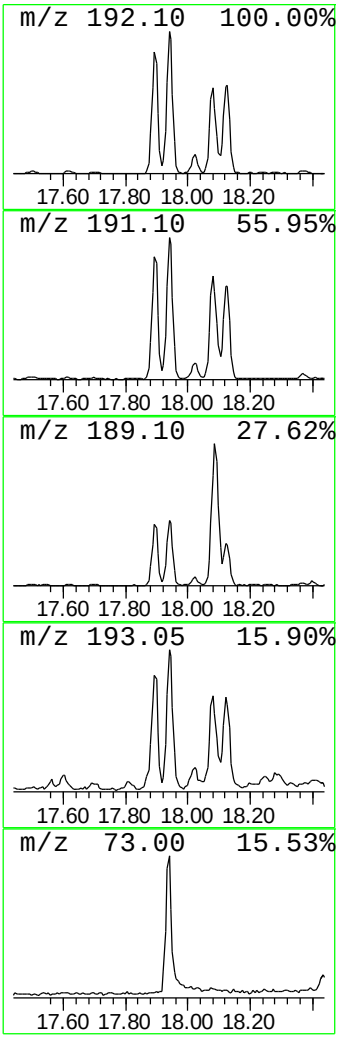
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	11.72 ng/ul	1049100	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96





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ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFML2

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Quant Title : SVOA CALIBRATION

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

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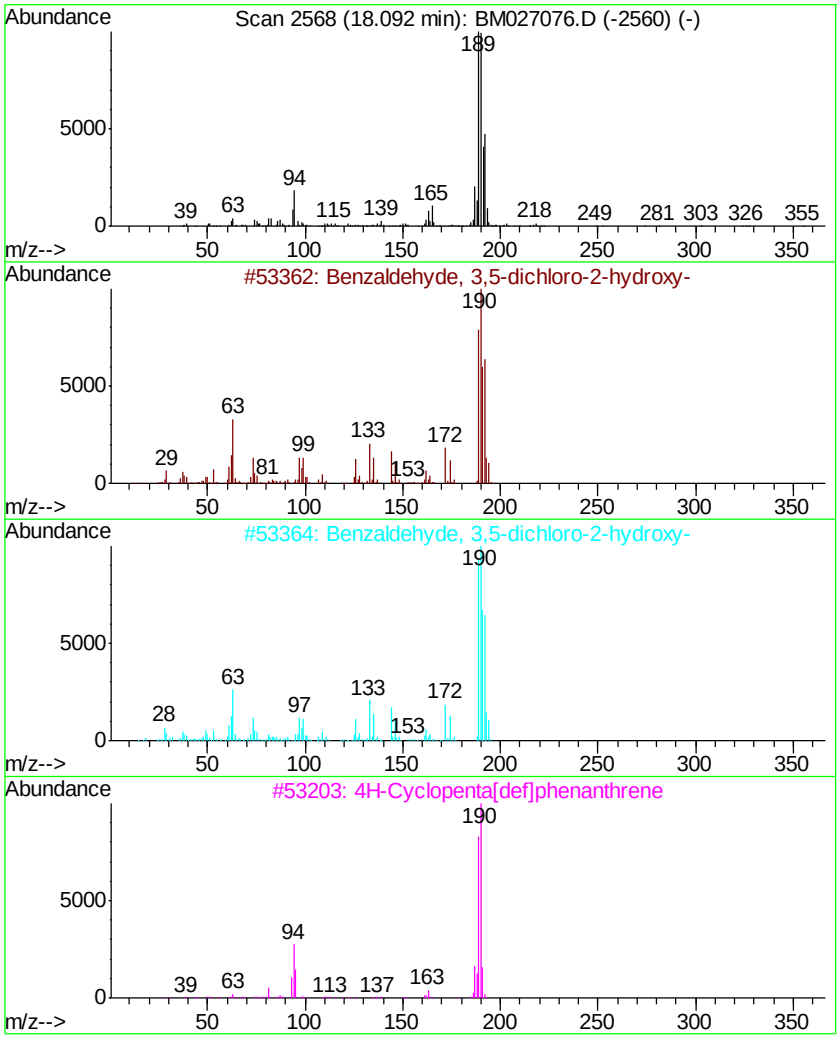
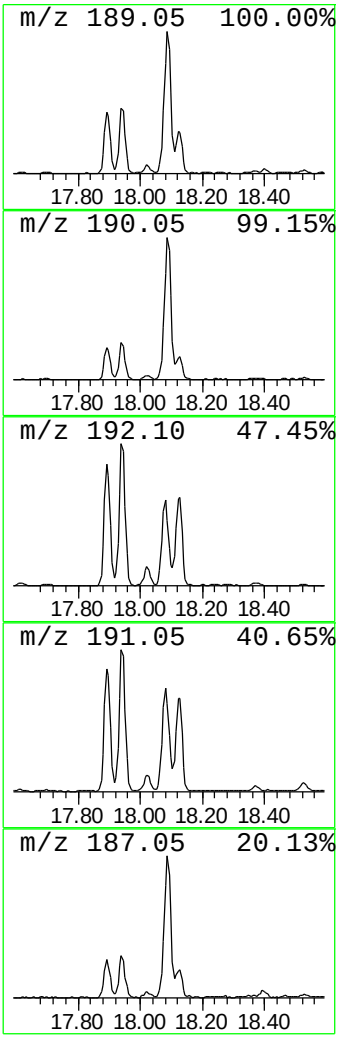
Peak Number 9 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	10.85 ng/ul	970810	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	45





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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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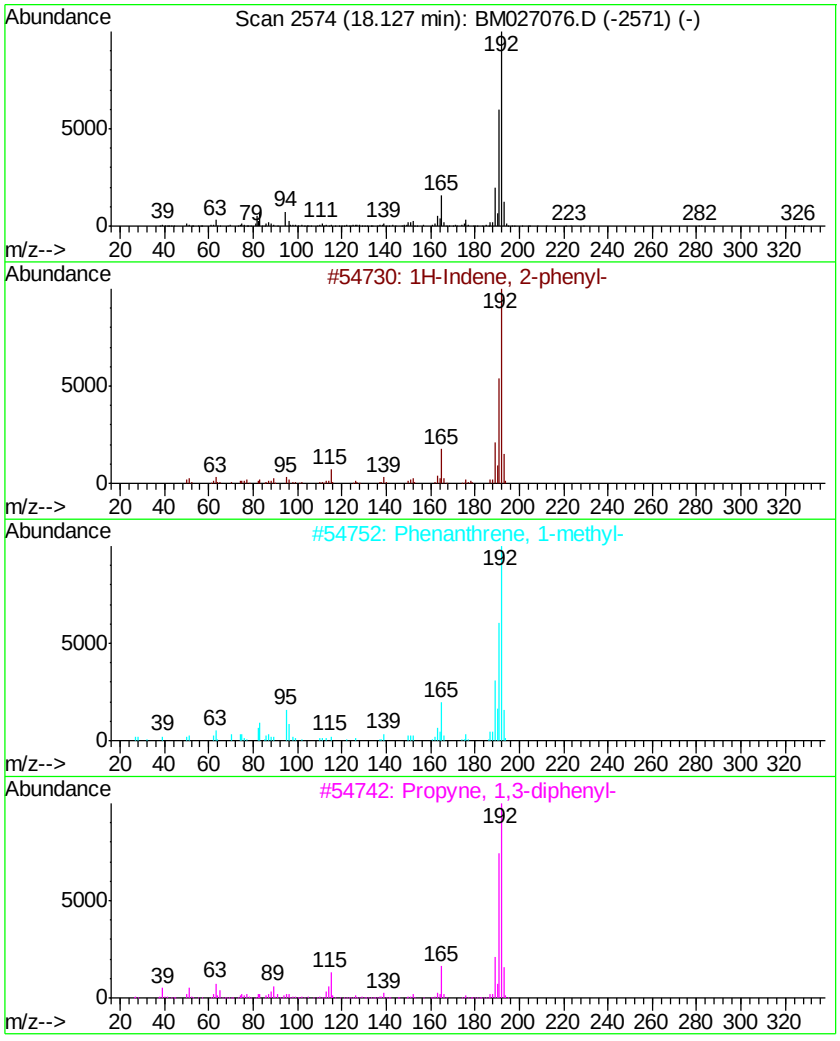
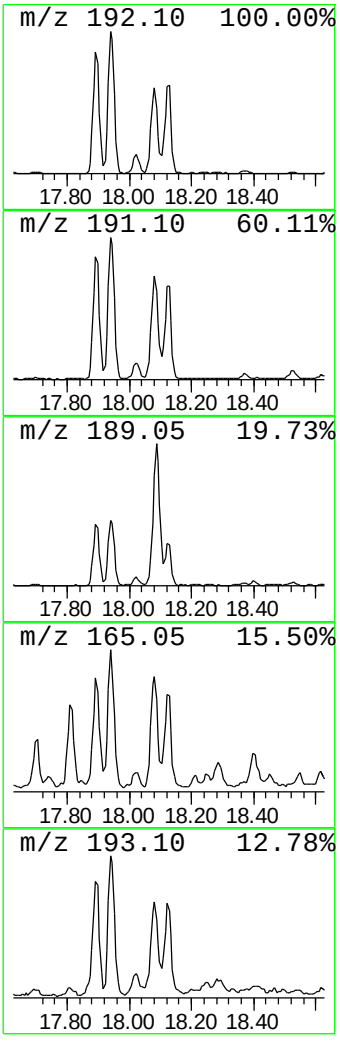
Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	5.02 ng/ul	449505	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	87
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





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Sample : L3630-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFML2

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Quant Title : SVOA CALIBRATION

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

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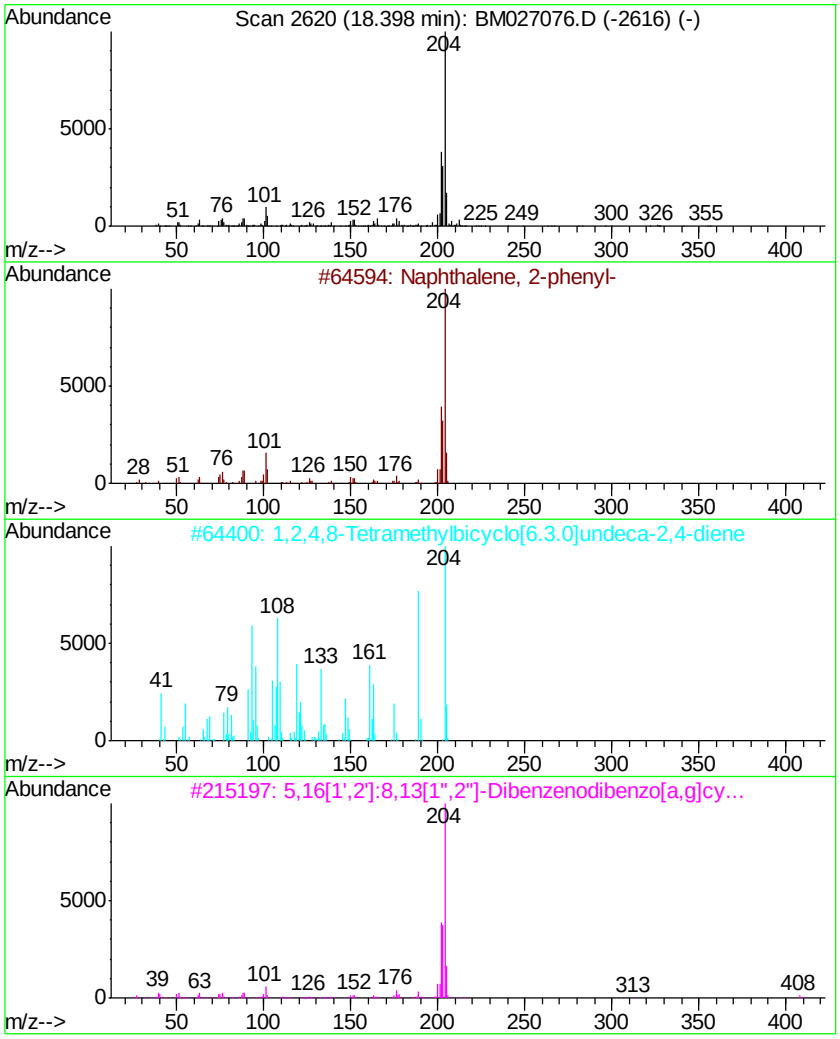
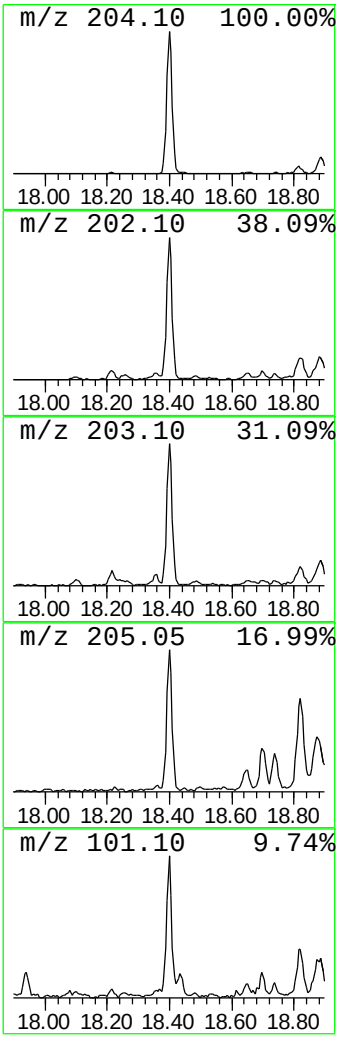
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	6.67 ng/ul	597422	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	89
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83





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Operator : JU/CG
Sample : L3630-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFML2

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Quant Title : SVOA CALIBRATION

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

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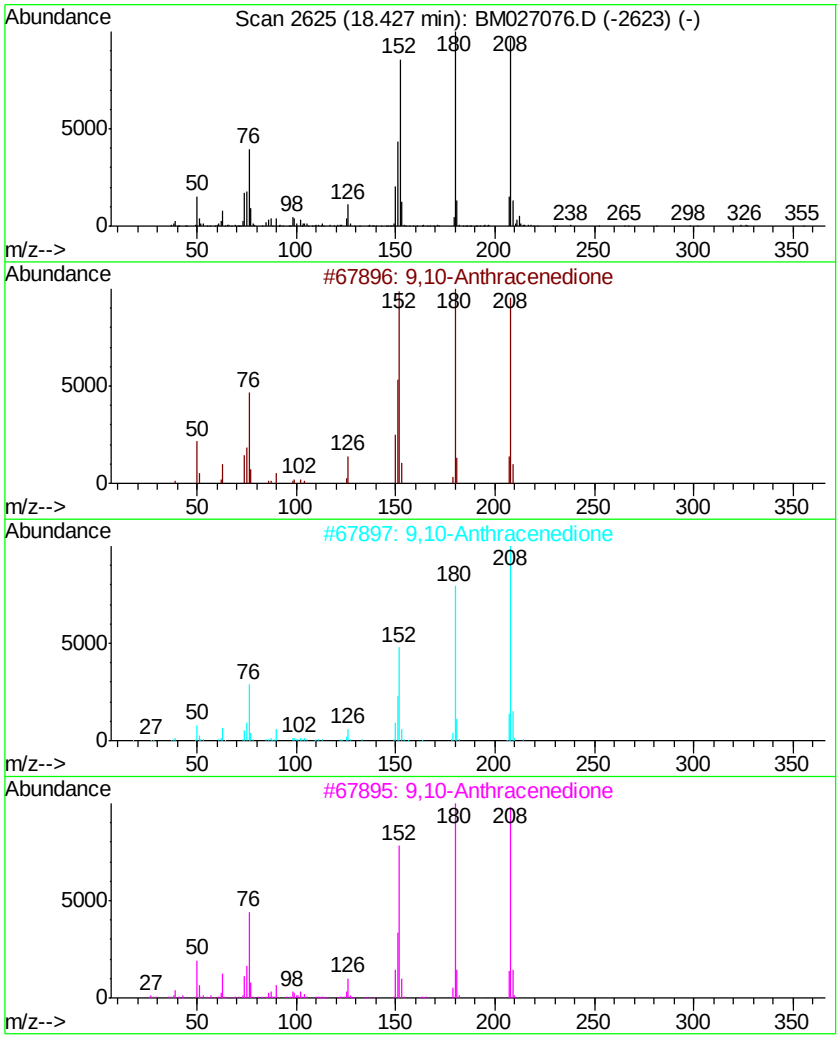
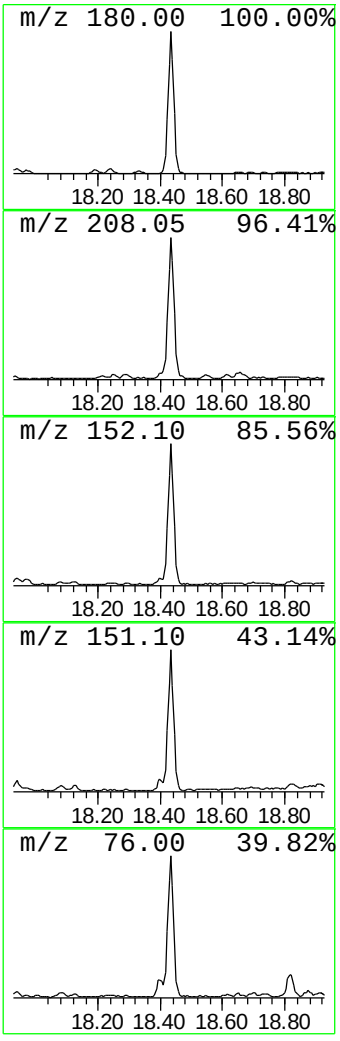
Peak Number 12 9,10-Anthracenedione Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	10.97 ng/ul	981775	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





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Sample : L3630-16
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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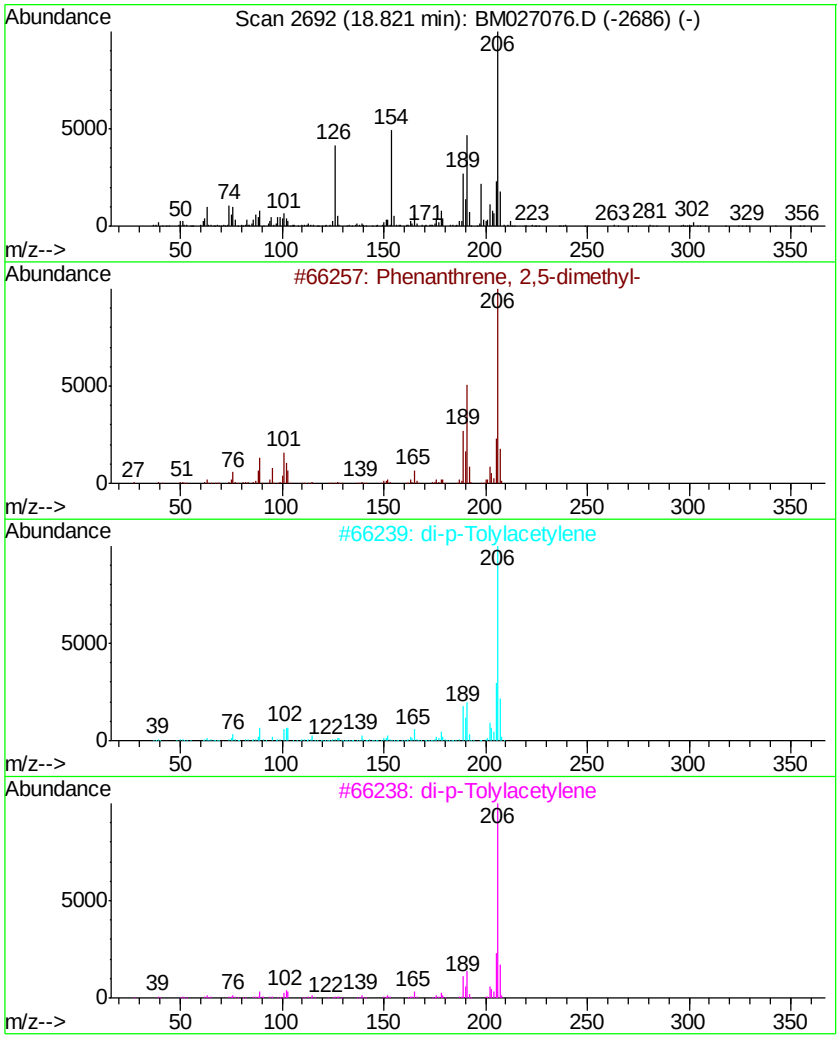
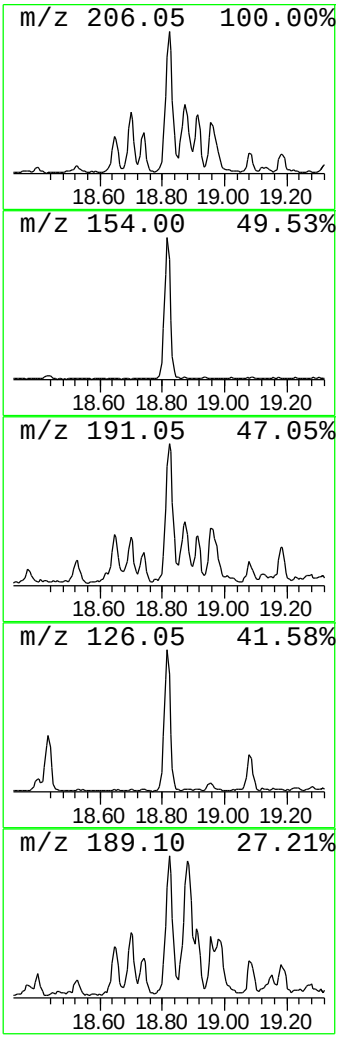
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	7.06 ng/ul	631824	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	70
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	70
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	70
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	60





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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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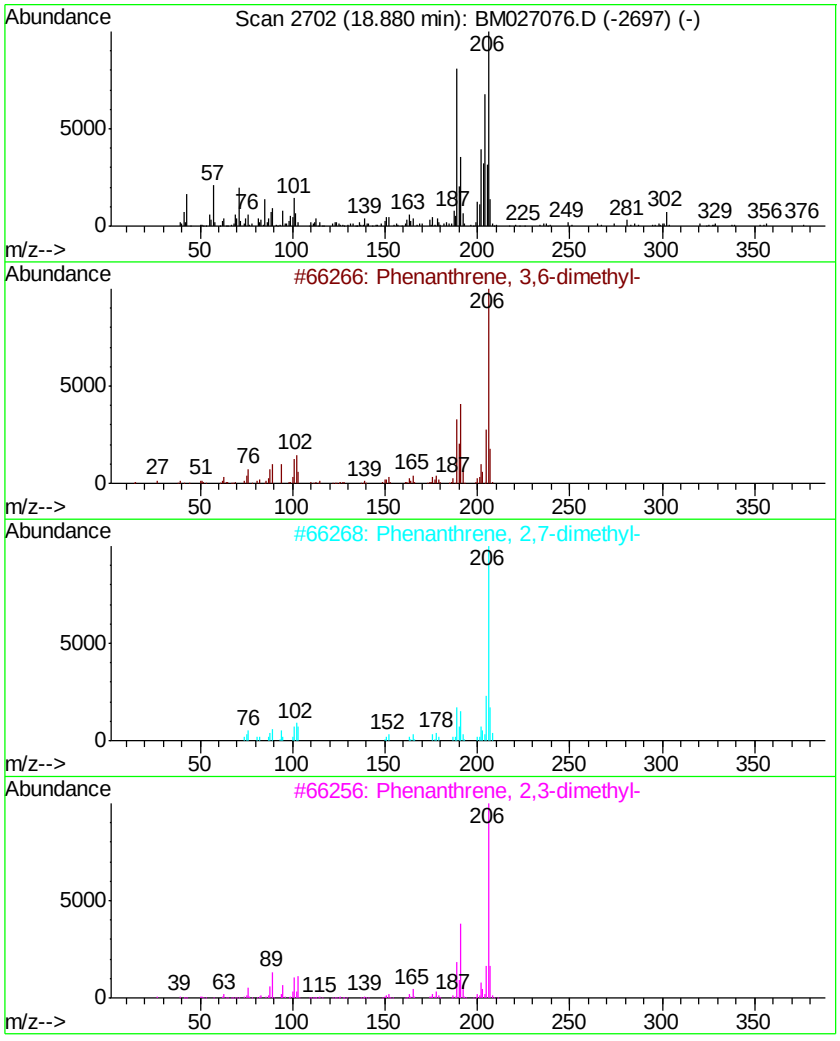
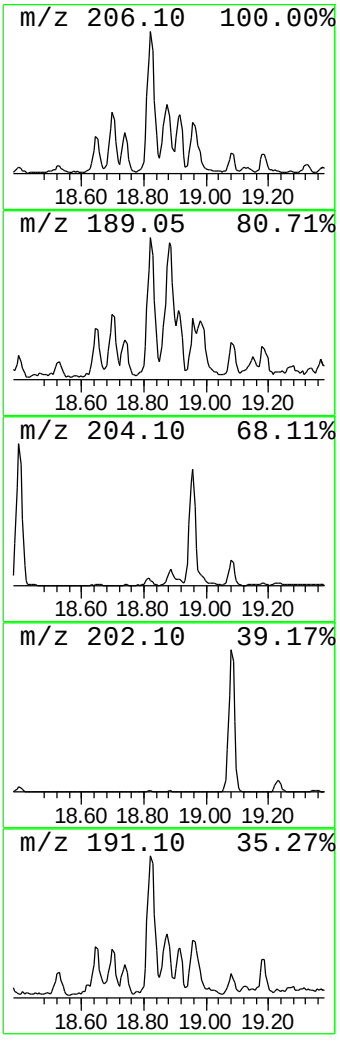
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	2.97 ng/ul	266206	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	49
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	42
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	38
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	38





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Misc :
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Instrument : BNA_M
ClientSampleId : BFML2

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Quant Title : SVOA CALIBRATION

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

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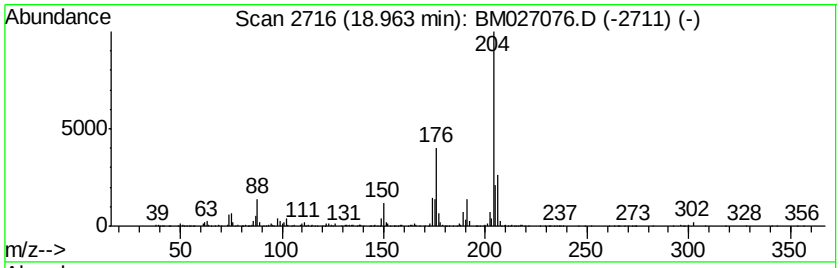
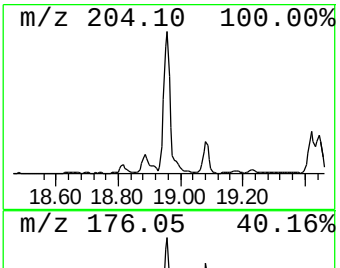
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	6.79 ng/ul	608015	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
4	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	50
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47





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Quant Title : SVOA CALIBRATION

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

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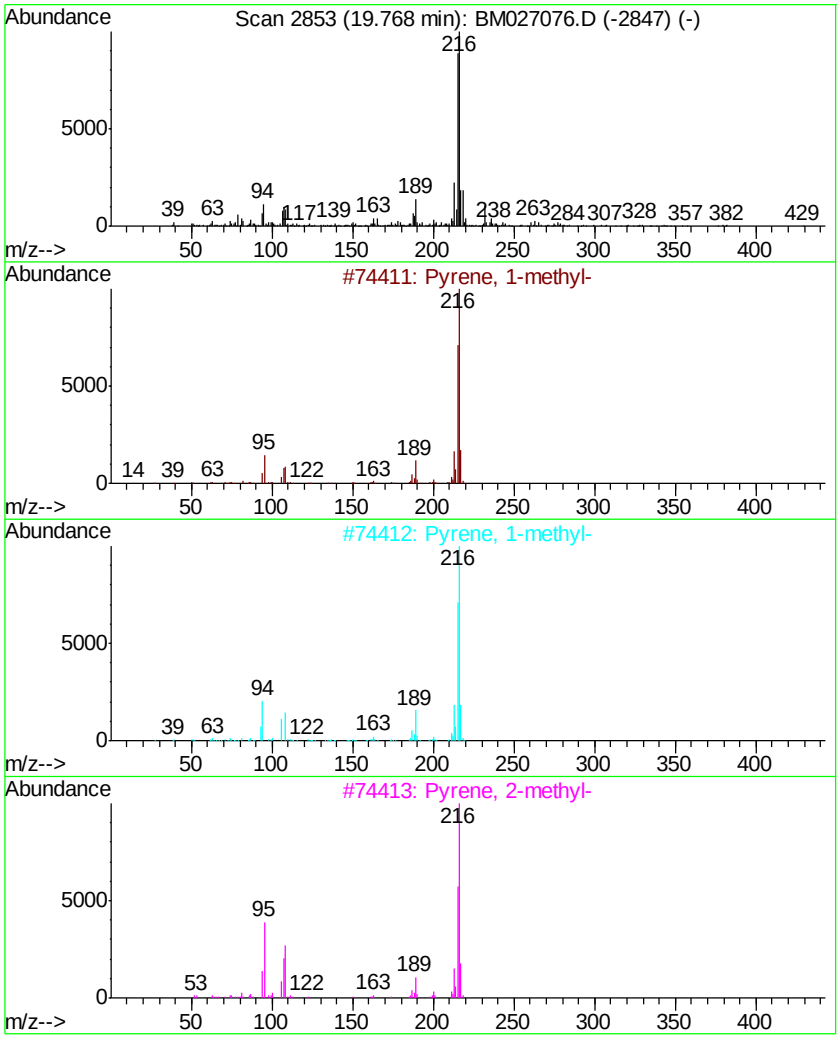
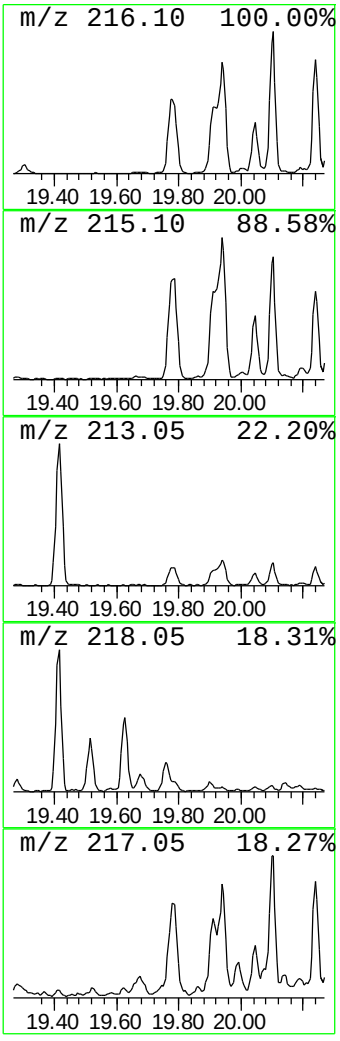
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	4.03 ng/ul	855999	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93





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Sample : L3630-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFML2

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Quant Title : SVOA CALIBRATION

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

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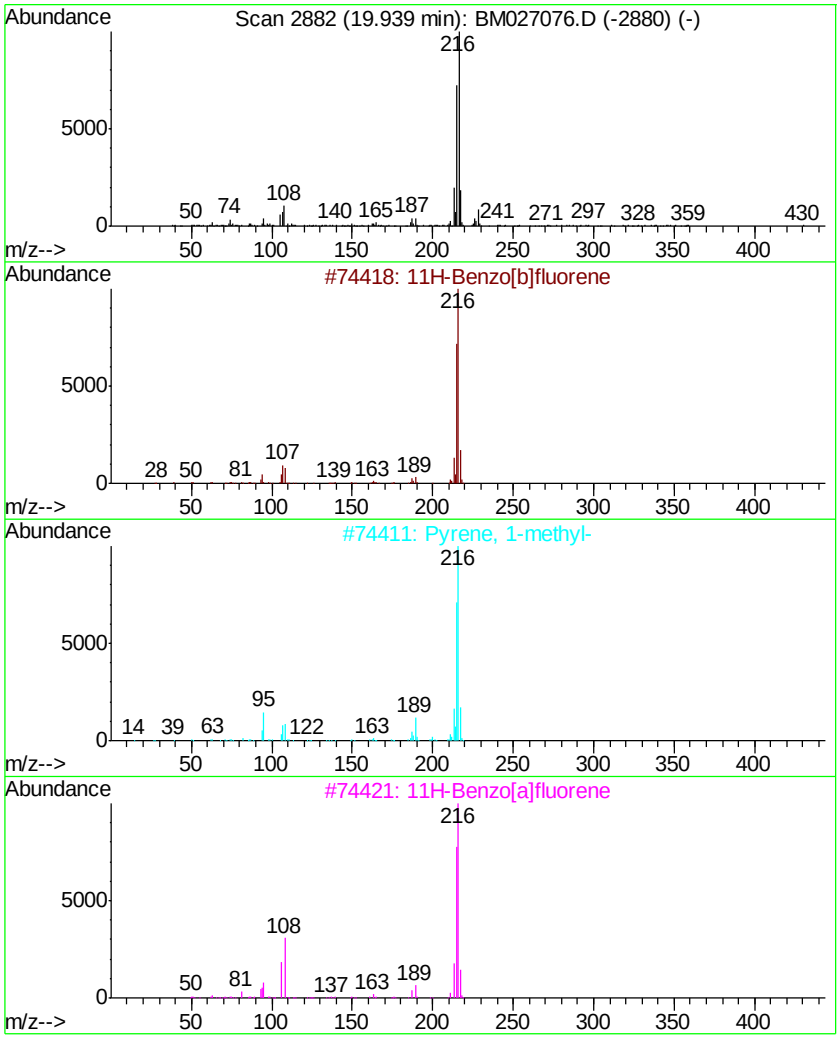
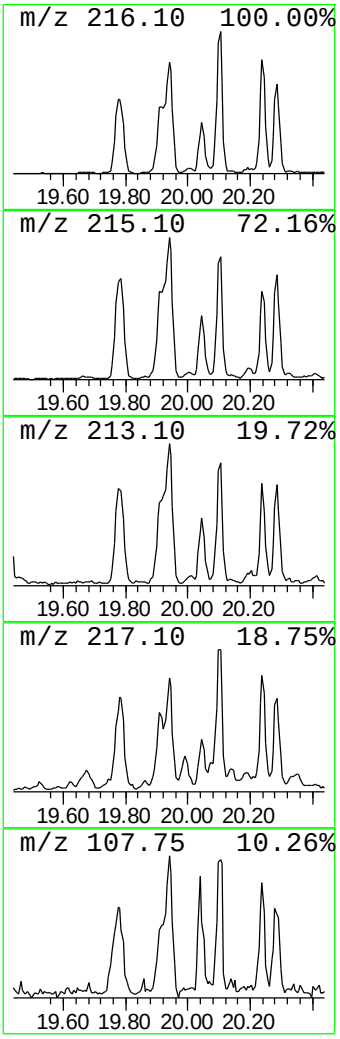
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.22 ng/ul	472698	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





Library Search Compound Report

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Data File : BM027076.D
Acq On : 14 Aug 2020 01:31
Operator : JU/CG
Sample : L3630-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFML2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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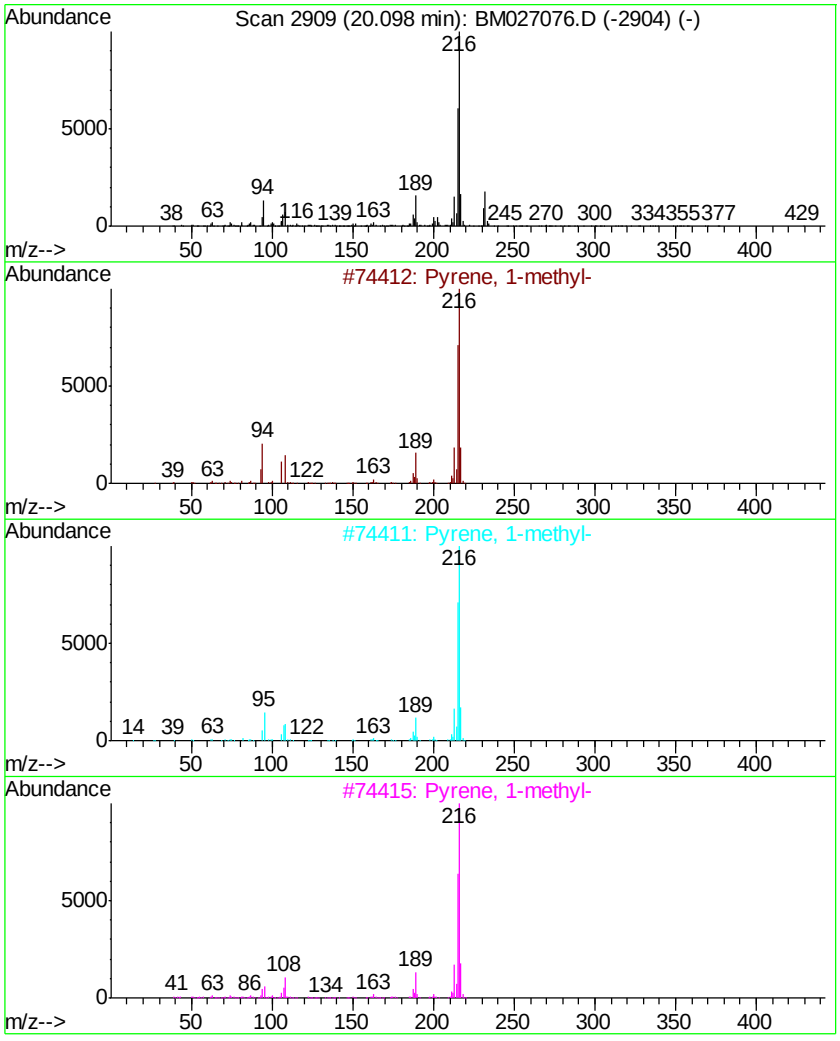
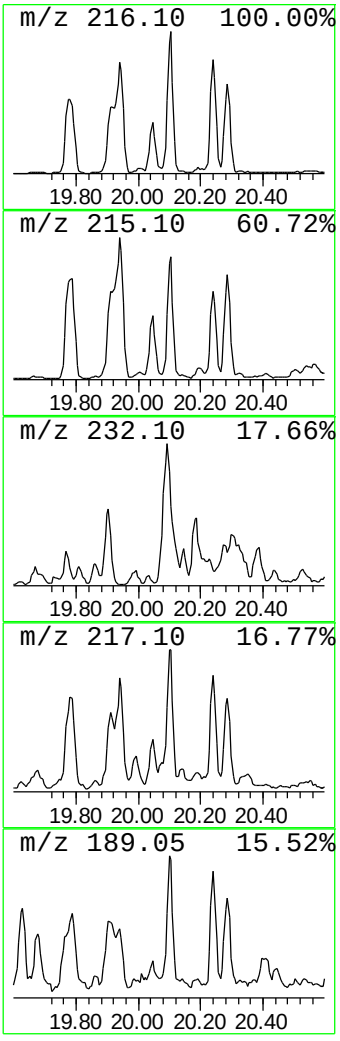
Peak Number 19 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.99 ng/ul	635424	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93





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Sample : L3630-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFML2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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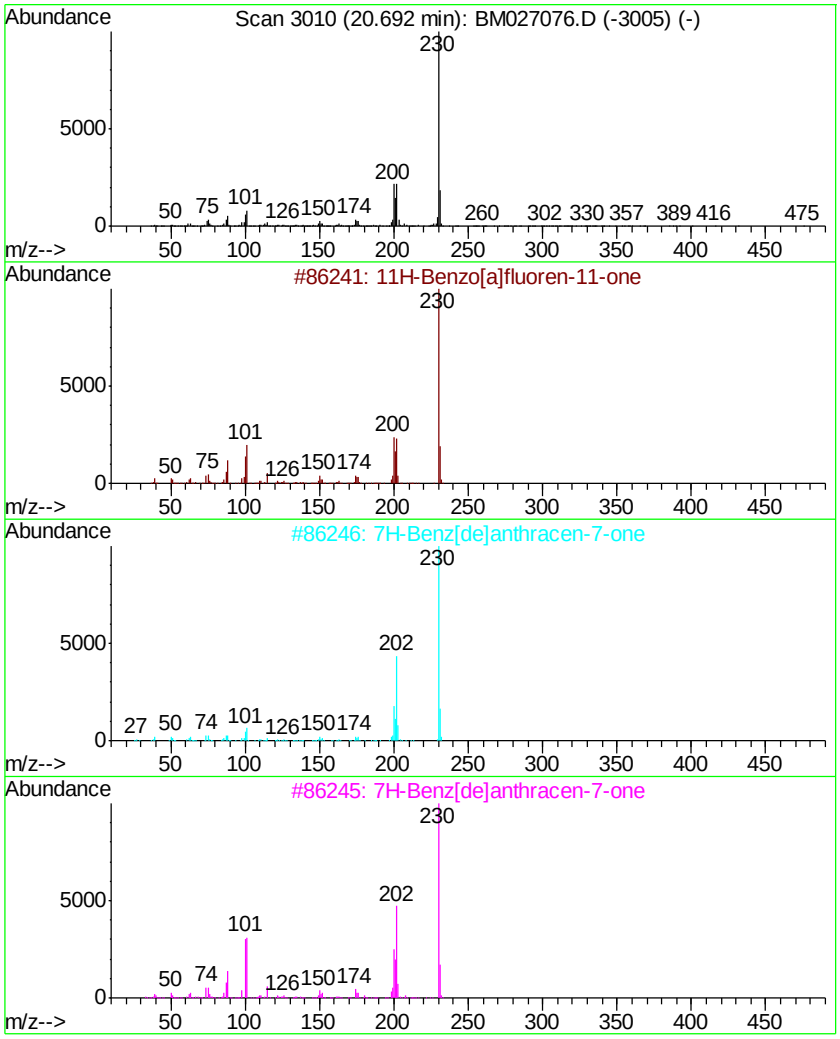
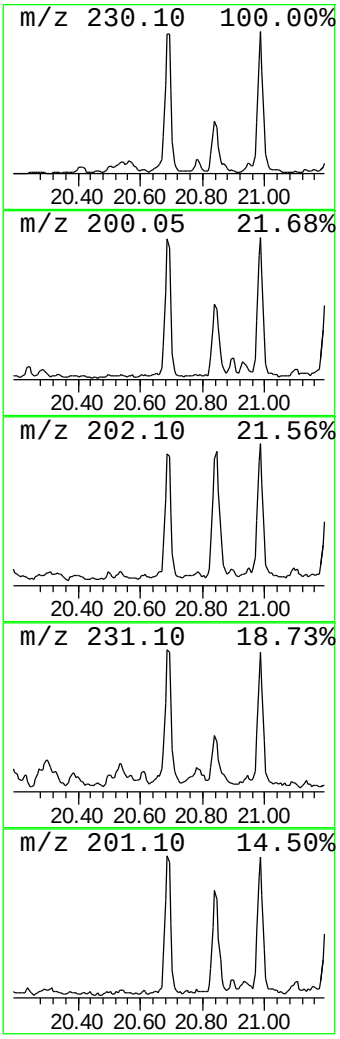
Peak Number 20 11H-Benzo[a]fluoren-11-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.69	3.22 ng/ul	684291	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	80
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	76





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Operator : JU/CG
Sample : L3630-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFML2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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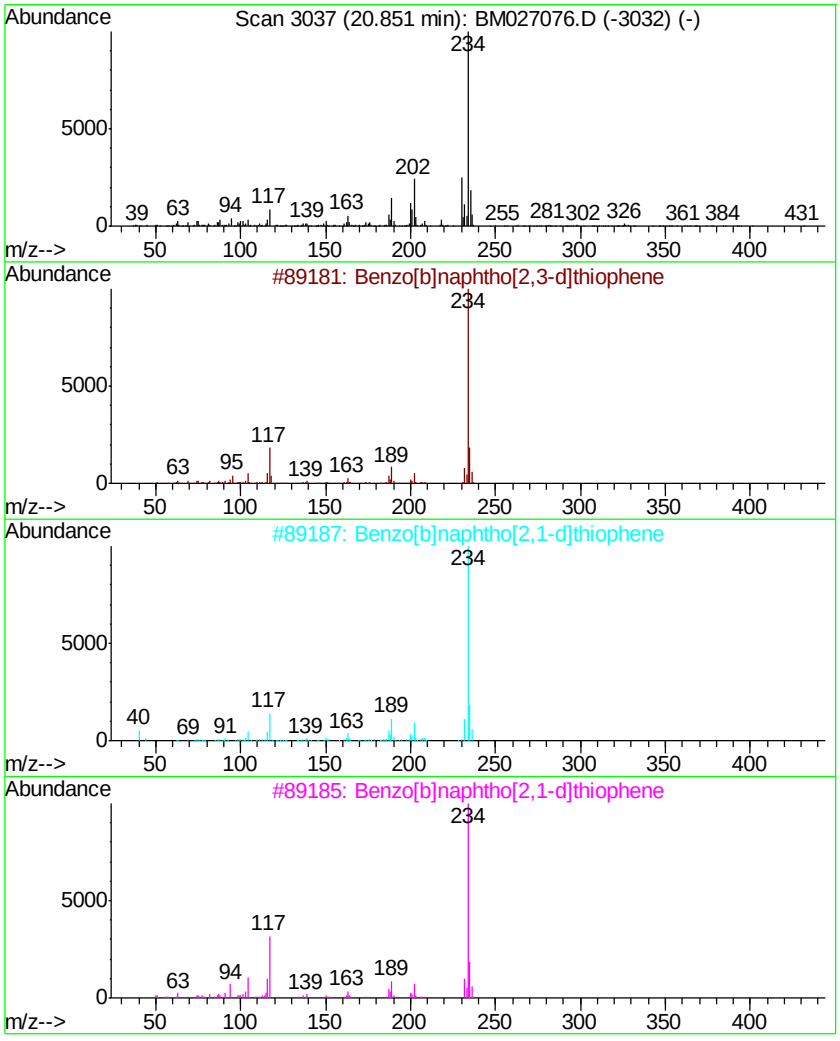
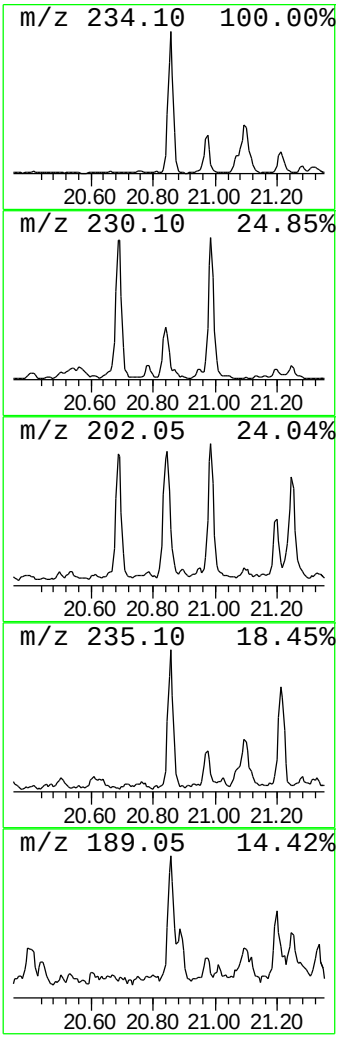
Peak Number 21 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.85	3.09 ng/ul	657059	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	89
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	86
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	76
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	76
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	76





Library Search Compound Report

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Operator : JU/CG
Sample : L3630-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFML2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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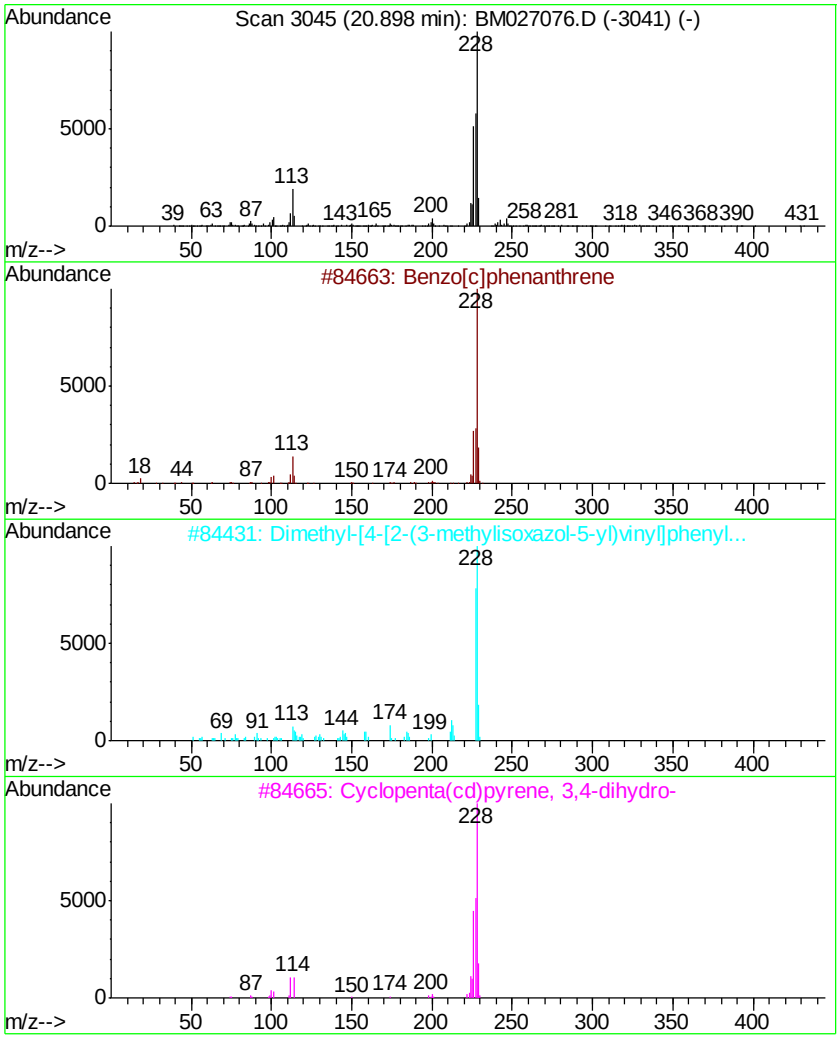
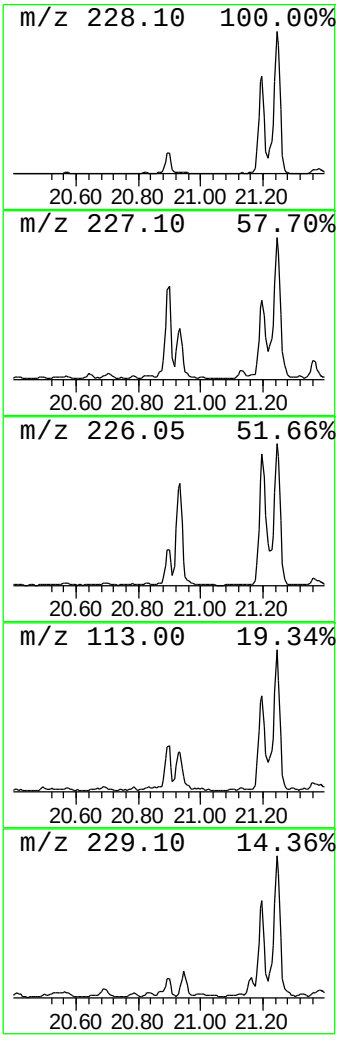
Peak Number 22 Benzo[c]phenanthrene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	2.31 ng/ul	490797	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	52
2	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	49
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	46
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
5	Chrysene	228	C18H12	000218-01-9	43





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Acq On : 14 Aug 2020 01:31
Operator : JU/CG
Sample : L3630-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFML2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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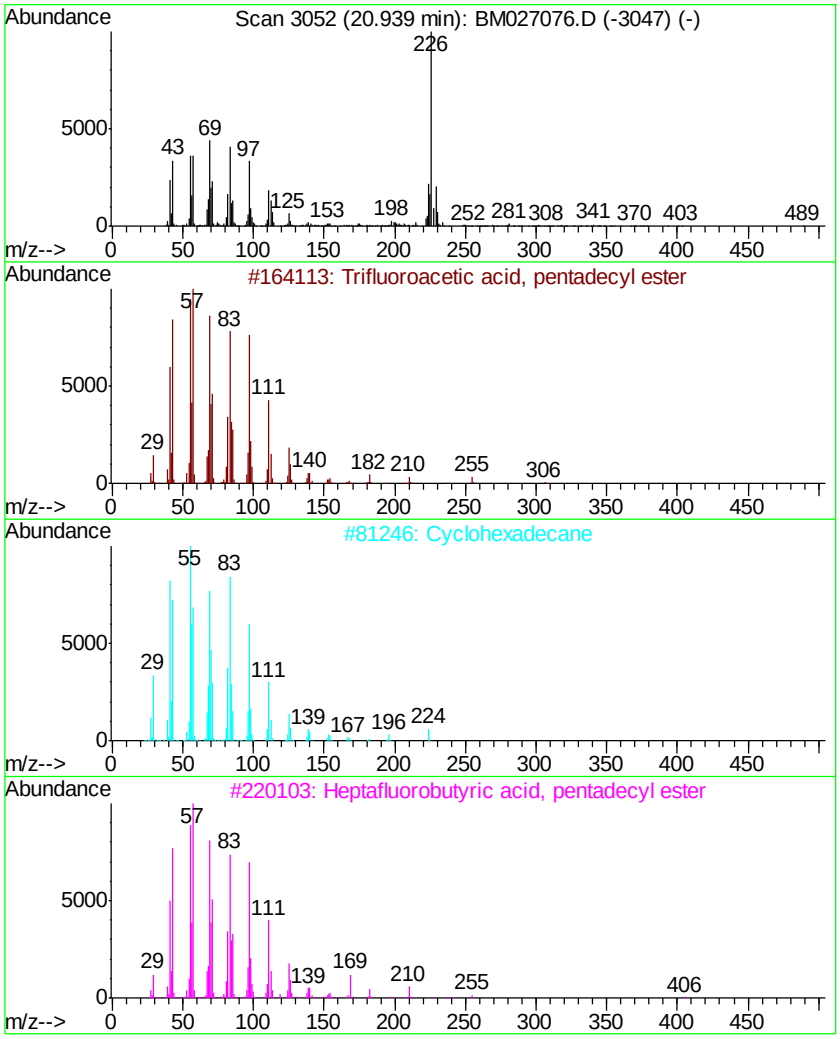
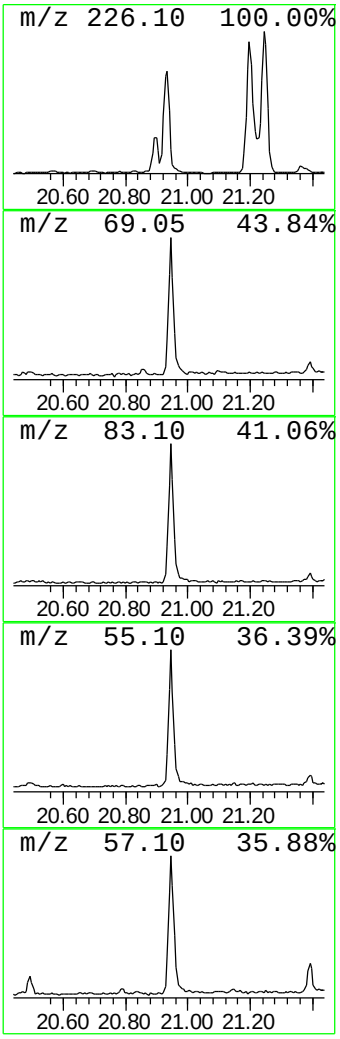
Peak Number 23 Trifluoroacetic acid, penta... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	5.84 ng/ul	1241960	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	89
2	Cyclohexadecane	224	C16H32	000295-65-8	89
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	76
4	Pentafluoropropionic acid, tetra...	360	C17H29F5O2	006222-06-6	76
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	76





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Acq On : 14 Aug 2020 01:31
Operator : JU/CG
Sample : L3630-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFML2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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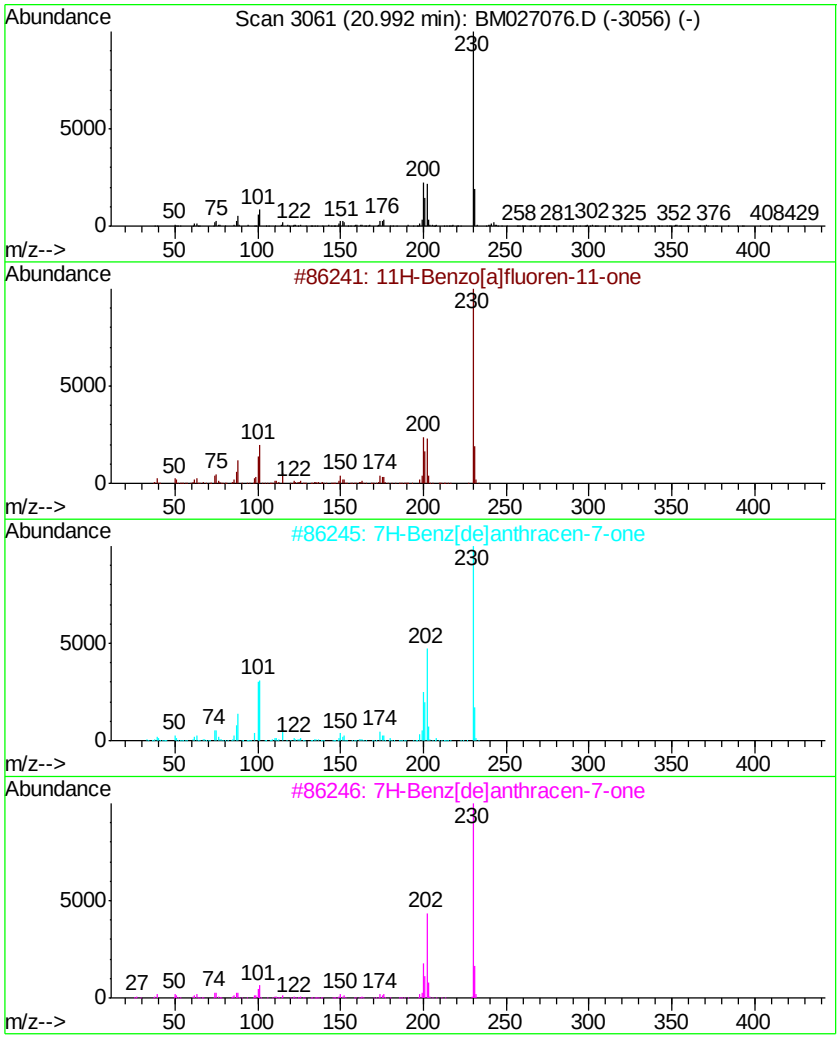
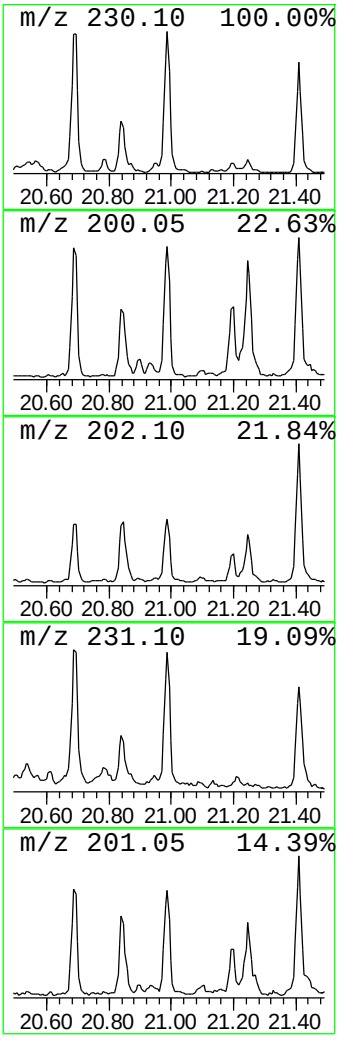
Peak Number 24 7H-Benz[de]anthracen-7-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	3.30 ng/ul	700649	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	72





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Data File : BM027076.D
Acq On : 14 Aug 2020 01:31
Operator : JU/CG
Sample : L3630-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFML2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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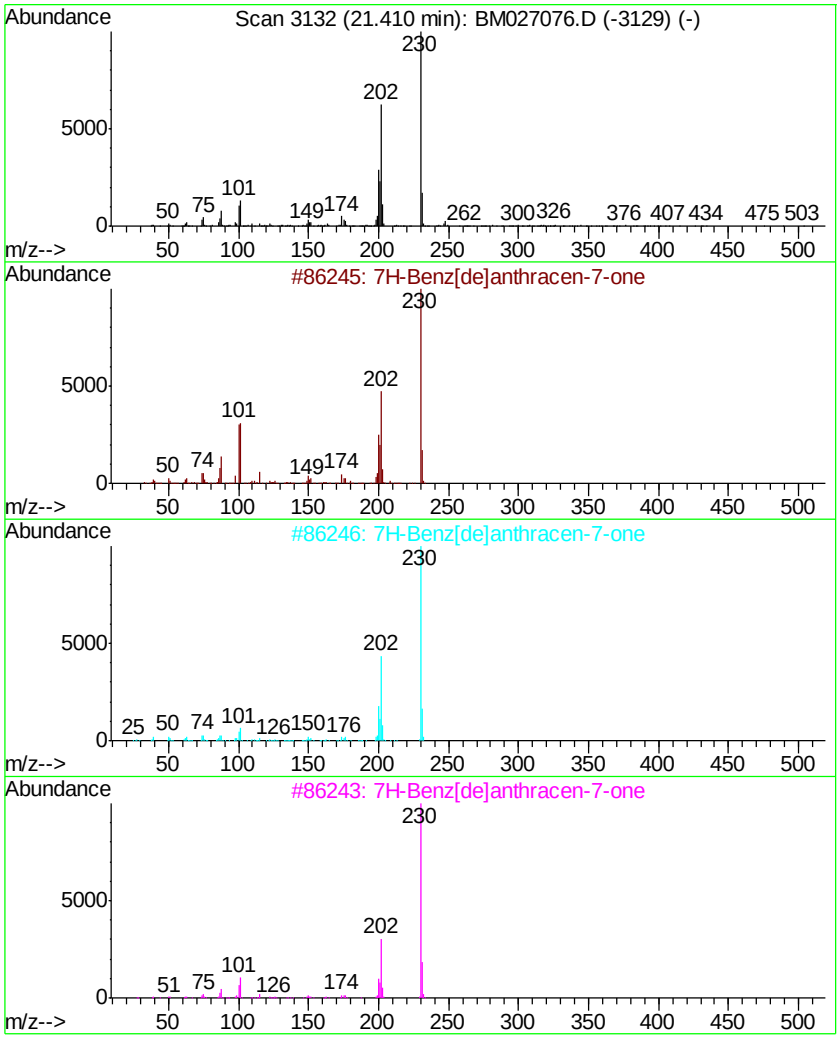
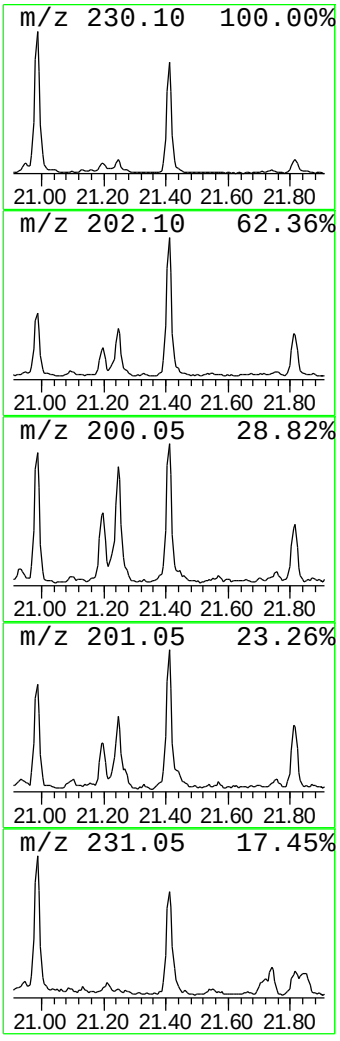
Peak Number 25 6H-Benz[de]anthracen-6-one Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.41	2.05 ng/ul	436852	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	95
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	90
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	80





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Sample : L3630-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFML2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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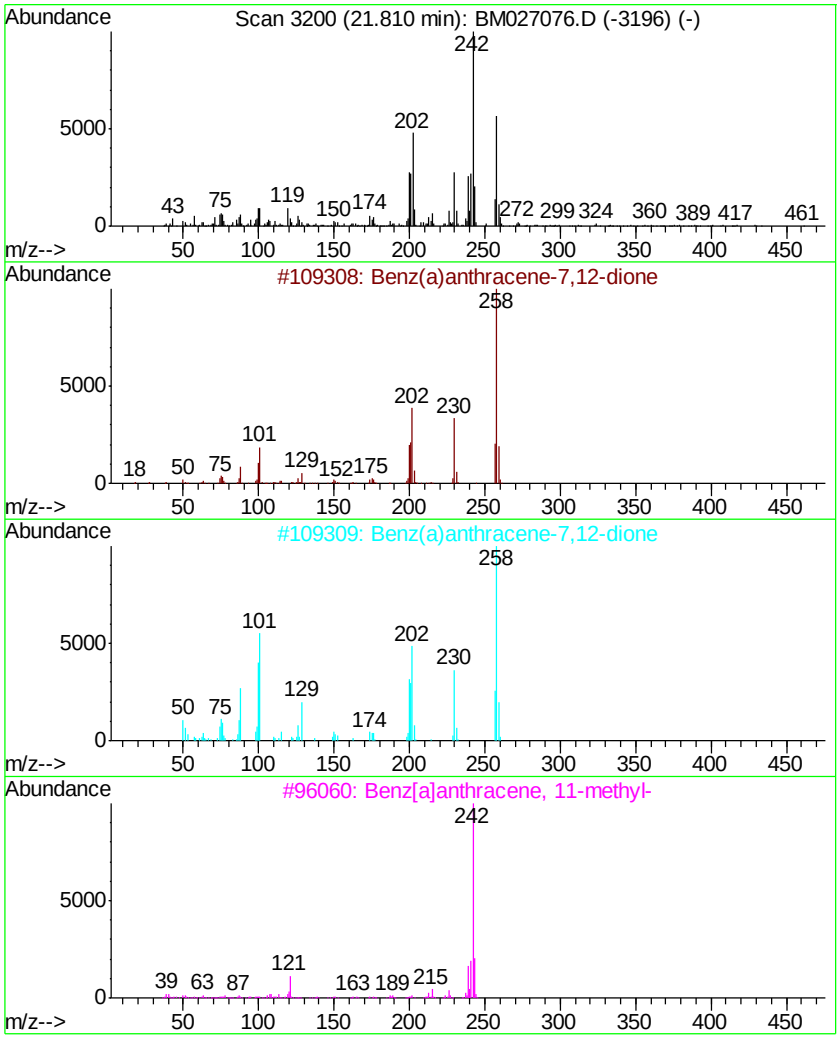
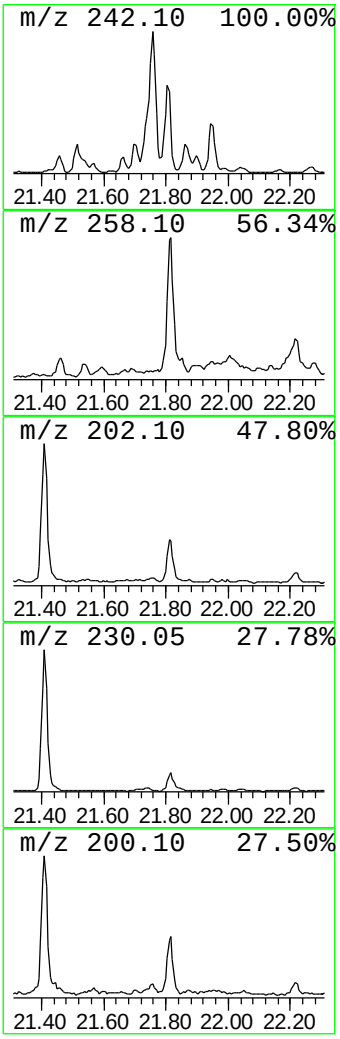
Peak Number 26 Benz(a)anthracene-7,12-dione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.81	2.81 ng/ul	596407	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	86
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	80
3	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	56
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	56
5	Benzo[c]phenanthrene, 5-methyl-	242	C19H14	000652-04-0	56





Tentatively Identified Compound (LSC) summary

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Sample : L3630-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFML2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.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
unknown-01	3.70	2.4	ng/ul	102182	1	7.64	866031	20.0
Ethanol, 2-(2-eth...	7.25	2.5	ng/ul	109054	1	7.64	866031	20.0
9H-Fluoren-9-one	16.67	3.7	ng/ul	331975	4	17.02	1790300	20.0
Naphtho[2,1-b]thi...	16.83	3.0	ng/ul	266592	4	17.02	1790300	20.0
Anthracene, 9-eth...	17.55	2.3	ng/ul	207086	4	17.02	1790300	20.0
Dibenzothiophene,...	17.60	2.1	ng/ul	188608	4	17.02	1790300	20.0
Anthracene, 2-met...	17.89	7.1	ng/ul	633203	4	17.02	1790300	20.0
Phenanthrene, 2-m...	17.94	11.7	ng/ul	1049100	4	17.02	1790300	20.0
Benzaldehyde, 3,5...	18.09	10.9	ng/ul	970810	4	17.02	1790300	20.0
1H-Indene, 2-phenyl-	18.13	5.0	ng/ul	449505	4	17.02	1790300	20.0
Naphthalene, 2-ph...	18.40	6.7	ng/ul	597422	4	17.02	1790300	20.0
9,10-Anthracenedione	18.43	11.0	ng/ul	981775	4	17.02	1790300	20.0
Phenanthrene, 2,5...	18.82	7.1	ng/ul	631824	4	17.02	1790300	20.0
Phenanthrene, 3,6...	18.88	3.0	ng/ul	266206	4	17.02	1790300	20.0
Cyclopenta(def)ph...	18.96	6.8	ng/ul	608015	4	17.02	1790300	20.0
Pyrene, 1-methyl-	19.77	4.0	ng/ul	855999	5	21.21	4252020	20.0
11H-Benzo[b]fluorene	19.94	2.2	ng/ul	472698	5	21.21	4252020	20.0
11H-Benzo[a]fluorene	20.10	3.0	ng/ul	635424	5	21.21	4252020	20.0
11H-Benzo[a]fluor...	20.69	3.2	ng/ul	684291	5	21.21	4252020	20.0
Benzo[b]naphtho[2...	20.85	3.1	ng/ul	657059	5	21.21	4252020	20.0
Benzo[c]phenanthrene	20.90	2.3	ng/ul	490797	5	21.21	4252020	20.0
Trifluoroacetic a...	20.94	5.8	ng/ul	1241960	5	21.21	4252020	20.0
7H-Benz[de]anthra...	20.99	3.3	ng/ul	700649	5	21.21	4252020	20.0
6H-Benz[de]anthra...	21.41	2.0	ng/ul	436852	5	21.21	4252020	20.0
Benz(a)anthracene...	21.81	2.8	ng/ul	596407	5	21.21	4252020	20.0