LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101119\
Data File : BM023139.D
Acq On : 11 Oct 2019 20:44
Operator : JU
Sample : K5124-02DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51DL

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-BM092719MA.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	6.940	663	672	687	rVB2	260652	532368	3.35%	0.354%
2	7.104	693	700	707	rBV	199862	332173	2.09%	0.221%
3	7.304	728	734	744	rVB	292817	468470	2.95%	0.311%
4	7.769	806	813	821	rBV	576693	918747	5.78%	0.610%
5	8.475	927	933	939	rBV	308436	497023	3.13%	0.330%
6	8.534	939	943	950	rVV	88575	151415	0.95%	0.101%
7	8.922	1003	1009	1018	rBV	243863	410195	2.58%	0.273%
8	9.639	1121	1131	1144	rBV	193712	332661	2.09%	0.221%
9	10.181	1216	1223	1234	rVB	301753	519113	3.27%	0.345%
10	10.557	1277	1287	1292	rBV	736936	1248171	7.85%	0.829%
11	10.604	1292	1295	1301	rVB	67893	102939	0.65%	0.068%
12	10.698	1305	1311	1321	rBV	69862	154261	0.97%	0.102%
13	12.222	1561	1570	1577	rVB	45398	82103	0.52%	0.055%
14	12.363	1586	1594	1602	rBV	31849	68662	0.43%	0.046%
15	12.439	1602	1607	1616	rVB	60062	100313	0.63%	0.067%
16	13.245	1737	1744	1752	rVB4	25988	69474	0.44%	0.046%
17	13.339	1753	1760	1769	rVB2	42095	81373	0.51%	0.054%
18	13.727	1820	1826	1831	rVV	53059	88031	0.55%	0.058%
19	13.816	1836	1841	1845	rVV	486811	682692	4.30%	0.454%
20	13.863	1845	1849	1853	rVV	185623	271143	1.71%	0.180%
21	14.051	1876	1881	1884	rBV	79417	113398	0.71%	0.075%
22	14.098	1884	1889	1892	rBV	581679	881469	5.55%	0.586%
23	14.404	1932	1941	1948	rBV	1013323	1503393	9.46%	0.999%
24	14.469	1948	1952	1959	rVB	125189	188168	1.18%	0.125%
25	14.533	1959	1963	1968	rVB	33498	45922	0.29%	0.031%
26	14.616	1968	1977	1983	rBV	93224	170446	1.07%	0.113%
27	14.716	1988	1994	1998	rVV6	21118	47682	0.30%	0.032%
28	14.804	2004	2009	2017	rVV2	87680	185904	1.17%	0.124%
29	15.027	2039	2047	2052	rBV3	22777	49698	0.31%	0.033%
30	15.192	2068	2075	2079	rBV4	26597	65312	0.41%	0.043%
31	15.398	2104	2110	2115	rVV	741633	1057282	6.65%	0.702%
32	15.451	2115	2119	2126	rVV2	144148	230587	1.45%	0.153%
33	15.521	2126	2131	2137	rVV	112618	174480	1.10%	0.116%
34	15.751	2164	2170	2174	rBV	44808	65873	0.41%	0.044%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101119\
Data File : BM023139.D
Acq On : 11 Oct 2019 20:44
Operator : JU
Sample : K5124-02DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51DL

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-BM092719MA.M
Title : SVOA CALIBRATION

35	15.892	2190	2194	2201	rVB	45668	85787	0.54%	0.057%
36	15.957	2201	2205	2213	rVV5	30886	59195	0.37%	0.039%
37	16.033	2213	2218	2223	rVB2	55512	79485	0.50%	0.053%
38	16.127	2230	2234	2241	rVB3	67512	129675	0.82%	0.086%
39	16.427	2278	2285	2287	rBV3	35921	76133	0.48%	0.051%
40	16.686	2325	2329	2332	rVV3	33459	52275	0.33%	0.035%
41	16.804	2344	2349	2357	rVB	162657	246159	1.55%	0.164%
42	16.904	2357	2366	2373	rBV4	78605	214930	1.35%	0.143%
43	16.968	2373	2377	2385	rVB	65908	113185	0.71%	0.075%
44	17.057	2386	2392	2397	rBV5	32748	71146	0.45%	0.047%
45	17.145	2399	2407	2411	rBV2	1092826	1699030	10.69%	1.129%
46	17.192	2411	2415	2420	rVV	2680497	3791509	23.86%	2.519%
47	17.245	2420	2424	2428	rVV2	868563	1285244	8.09%	0.854%
48	17.280	2428	2430	2435	rVV	307823	352304	2.22%	0.234%
49	17.339	2435	2440	2447	rVB2	126334	223681	1.41%	0.149%
50	17.545	2466	2475	2480	rBV2	391224	774631	4.87%	0.515%
51	17.668	2491	2496	2500	rBV4	52876	81520	0.51%	0.054%
52	18.021	2551	2556	2559	rVV2	275710	407069	2.56%	0.270%
53	18.068	2559	2564	2569	rVB	433843	688427	4.33%	0.457%
54	18.151	2574	2578	2583	rVV2	139433	212528	1.34%	0.141%
55	18.215	2583	2589	2593	rVV2	410524	764812	4.81%	0.508%
56	18.251	2593	2595	2601	rVB	290916	370733	2.33%	0.246%
57	18.368	2612	2615	2619	rVB2	60308	75818	0.48%	0.050%
58	18.521	2637	2641	2644	rBV	249465	318249	2.00%	0.211%
59	18.562	2644	2648	2654	rVB	584240	761096	4.79%	0.506%
60	18.645	2660	2662	2669	rVB3	46403	62949	0.40%	0.042%
61	18.721	2671	2675	2679	rBV5	118671	183881	1.16%	0.122%
62	18.768	2680	2683	2687	rVB4	140320	184406	1.16%	0.123%
63	18.862	2696	2699	2702	rVB3	64397	72673	0.46%	0.048%
64	18.945	2709	2713	2717	rBV2	188293	273098	1.72%	0.181%
65	19.033	2726	2728	2732	rVB	144977	172205	1.08%	0.114%
66	19.080	2733	2736	2744	rVB	208268	328500	2.07%	0.218%
67	19.209	2752	2758	2763	rVB	4460214	5712882	35.94%	3.795%
68	19.268	2765	2768	2771	rBV2	90093	112709	0.71%	0.075%
69	19.304	2771	2774	2779	rBV	114585	143851	0.91%	0.096%
70	19.356	2780	2783	2786	rVB	143997	161577	1.02%	0.107%
71	19.404	2789	2791	2794	rBV	89329	96616	0.61%	0.064%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101119\
Data File : BM023139.D
Acq On : 11 Oct 2019 20:44
Operator : JU
Sample : K5124-02DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51DL

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-BM092719MA.M
Title : SVOA CALIBRATION

72	19.539	2809	2814	2816	rBV2	1420635	2006139	12.62%	1.333%
73	19.574	2816	2820	2827	rVV	4132254	5768081	36.29%	3.832%
74	19.645	2828	2832	2838	rVB2	220976	394802	2.48%	0.262%
75	19.751	2846	2850	2856	rBV	193344	275126	1.73%	0.183%
76	19.809	2856	2860	2865	rVB	317605	457291	2.88%	0.304%
77	19.898	2870	2875	2880	rBV4	245125	577903	3.64%	0.384%
78	19.986	2887	2890	2894	rBV	260479	366090	2.30%	0.243%
79	20.062	2900	2903	2906	rVB	408116	480324	3.02%	0.319%
80	20.221	2925	2930	2935	rBV2	364179	621718	3.91%	0.413%
81	20.362	2951	2954	2958	rBV	273964	364603	2.29%	0.242%
82	20.521	2979	2981	2986	rVB	288628	332739	2.09%	0.221%
83	20.809	3027	3030	3036	rVB2	692034	847962	5.34%	0.563%
84	21.050	3067	3071	3077	rVB4	1615885	2487665	15.65%	1.653%
85	21.109	3078	3081	3084	rVB	316965	338115	2.13%	0.225%
86	21.321	3112	3117	3122	rBV3	2581116	4897887	30.82%	3.254%
87	21.368	3122	3125	3135	rVB	2354424	3082400	19.39%	2.048%
88	21.486	3142	3145	3150	rBV2	464076	610797	3.84%	0.406%
89	21.927	3216	3220	3228	rBV2	2157275	3913453	24.62%	2.600%
90	22.621	3333	3338	3343	rBV	3588128	5116514	32.19%	3.399%
91	22.909	3381	3387	3390	rBV2	6026680	10542680	66.33%	7.004%
92	22.950	3390	3394	3411	rVB	7182974	13124539	82.58%	8.719%
93	23.397	3465	3470	3475	rBV	1150600	2201840	13.85%	1.463%
94	23.491	3481	3486	3493	rVB	2157027	4422468	27.83%	2.938%
95	23.791	3532	3537	3545	rVB	3263907	6087816	38.30%	4.045%
96	24.139	3589	3596	3603	rVB	5907652	12366775	77.81%	8.216%
97	24.221	3604	3610	3622	rVB	3366933	7215592	45.40%	4.794%
98	25.344	3794	3801	3813	rVB	4246408	10721842	67.46%	7.123%
99	25.938	3894	3902	3915	rVB	5405294	15893465	100.00%	10.559%
100	26.697	4025	4031	4038	rVB3	1099207	2672622	16.82%	1.776%

Sum of corrected areas: 150520157

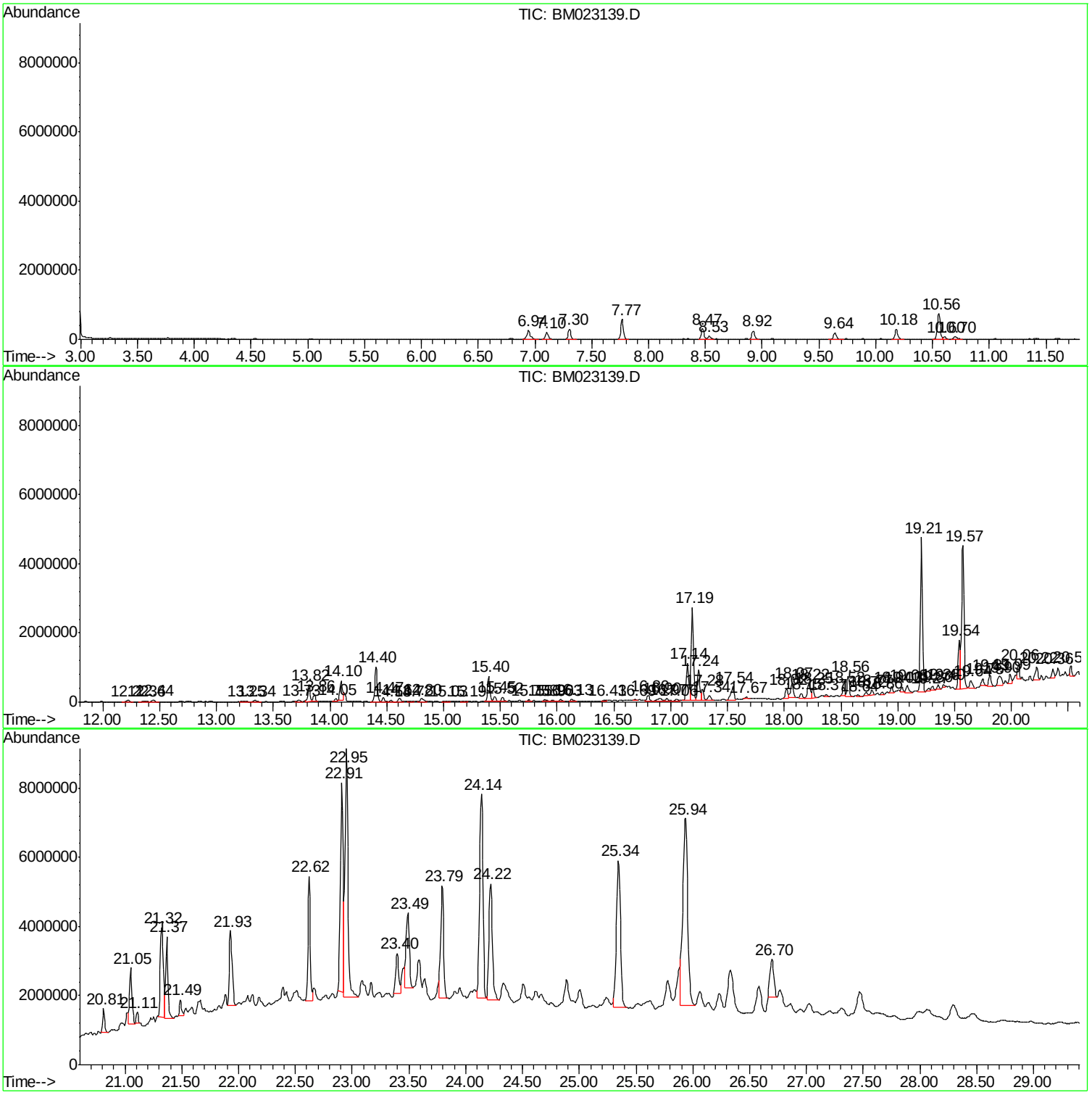
LSC Report - Integrated Chromatogram

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101119\
Data File : BM023139.D
Acq On : 11 Oct 2019 20:44
Operator : JU
Sample : K5124-02DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.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\BM101119\
Data File : BM023139.D
Acq On : 11 Oct 2019 20:44
Operator : JU
Sample : K5124-02DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

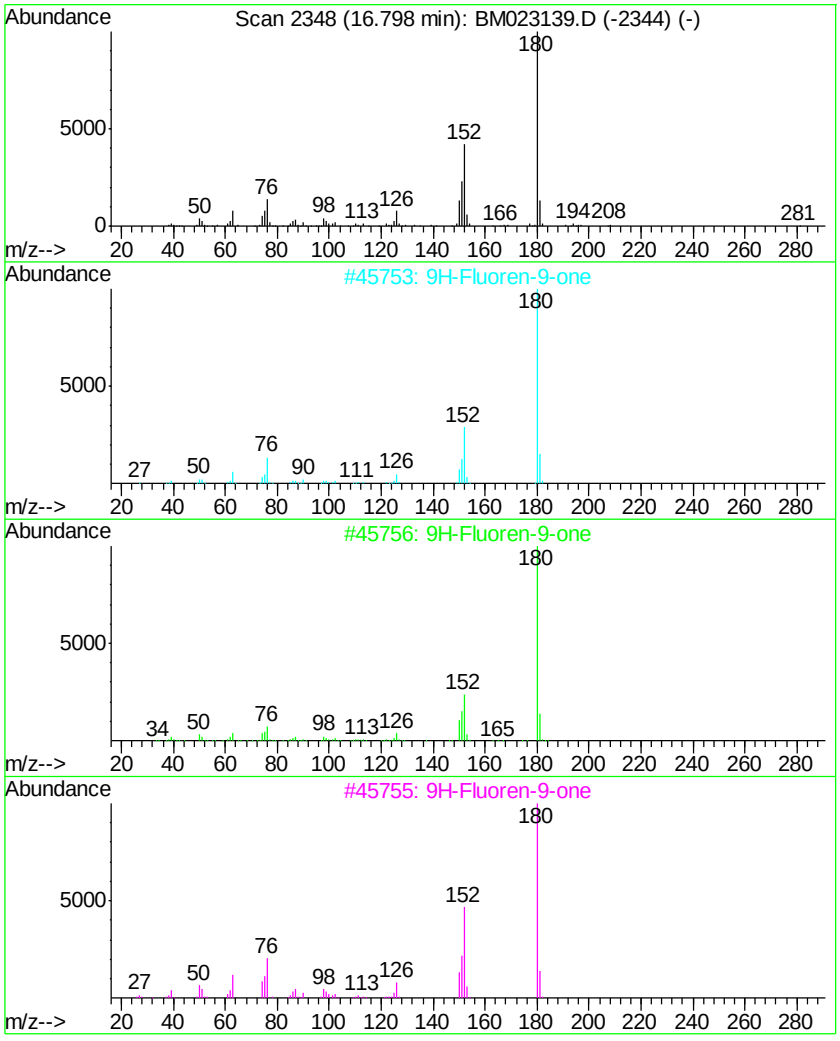
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

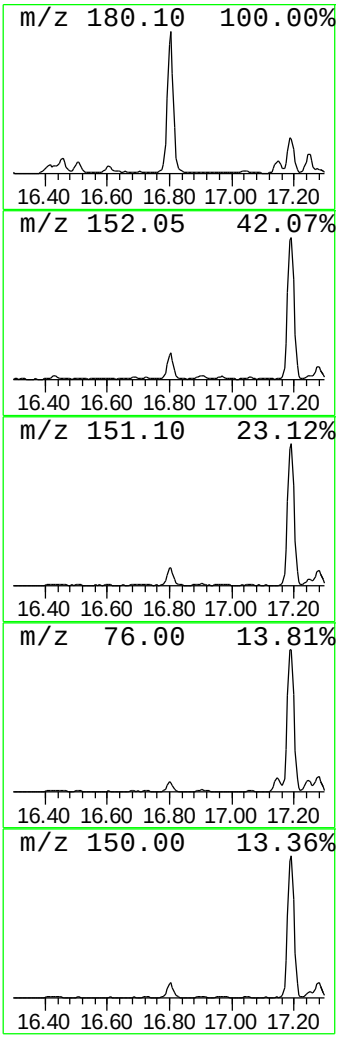
****

Peak Number 1 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	2.90 ng/ul	246159	Phenanthrene-d10	17.14

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	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101119\
Data File : BM023139.D
Acq On : 11 Oct 2019 20:44
Operator : JU
Sample : K5124-02DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

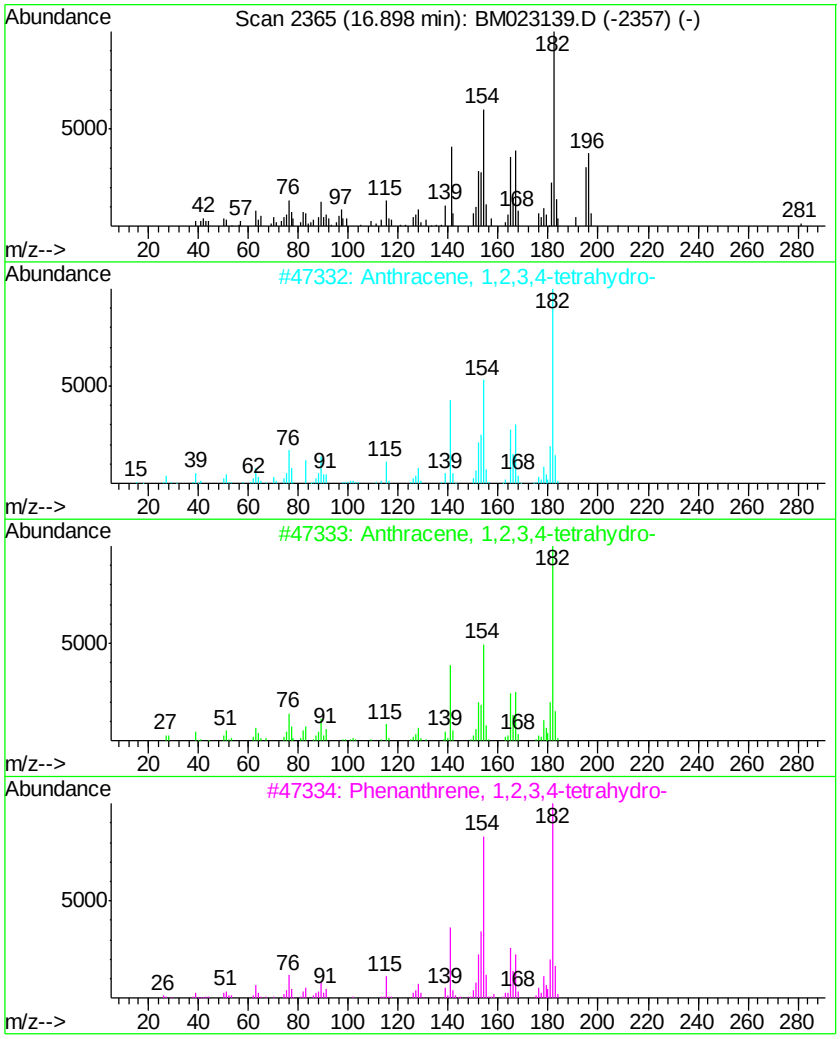
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

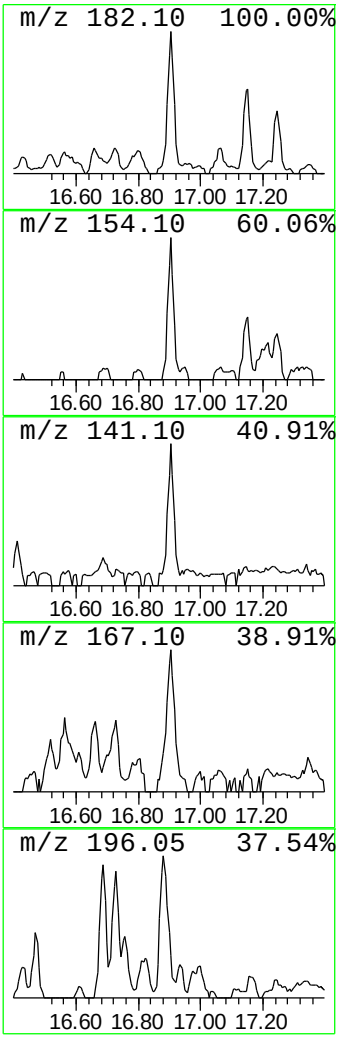
****

Peak Number 2 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	2.53 ng/ul	214930	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	98
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	93
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	76
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	58
5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	55





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101119\
Data File : BM023139.D
Acq On : 11 Oct 2019 20:44
Operator : JU
Sample : K5124-02DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

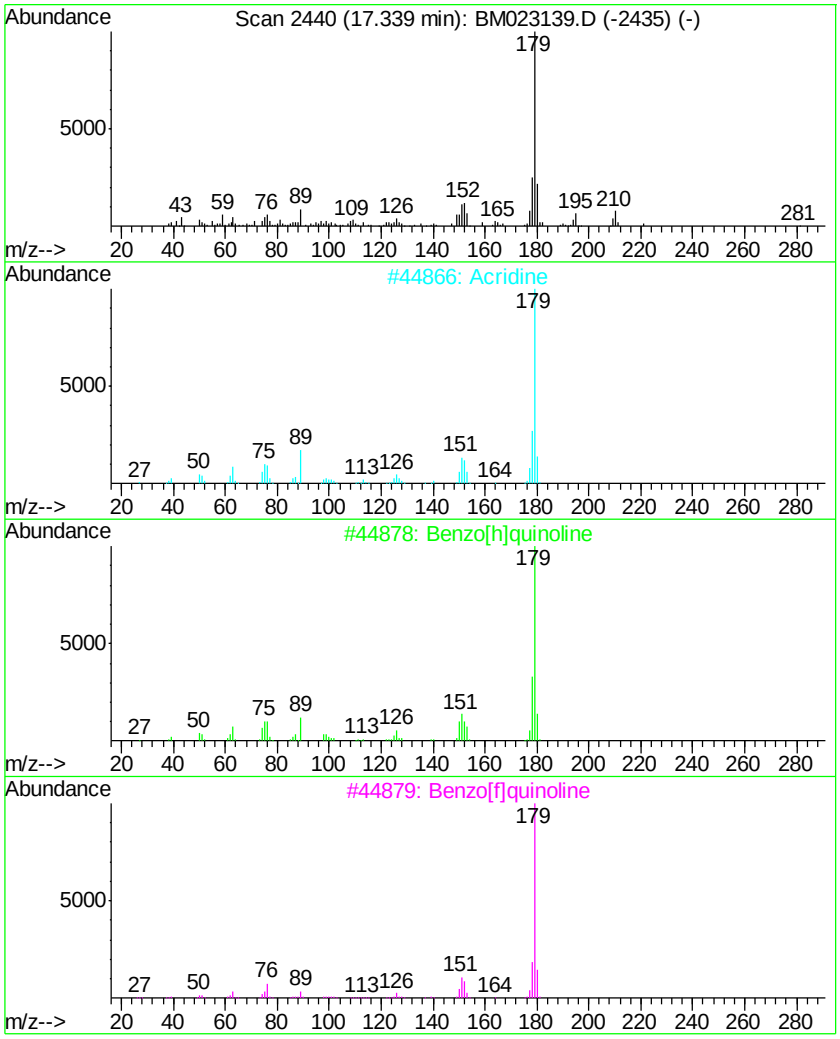
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

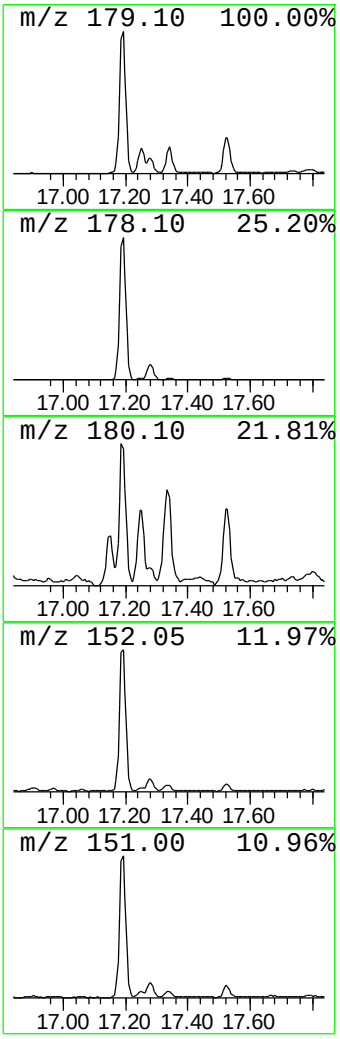
****

Peak Number 3 Acridine Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.34	2.63 ng/ul	223681	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	95
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	93
3	Benzo[f]quinoline	179	C13H9N	000085-02-9	93
4	Phenanthridine	179	C13H9N	000229-87-8	90
5	Acridine	179	C13H9N	000260-94-6	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101119\
Data File : BM023139.D
Acq On : 11 Oct 2019 20:44
Operator : JU
Sample : K5124-02DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

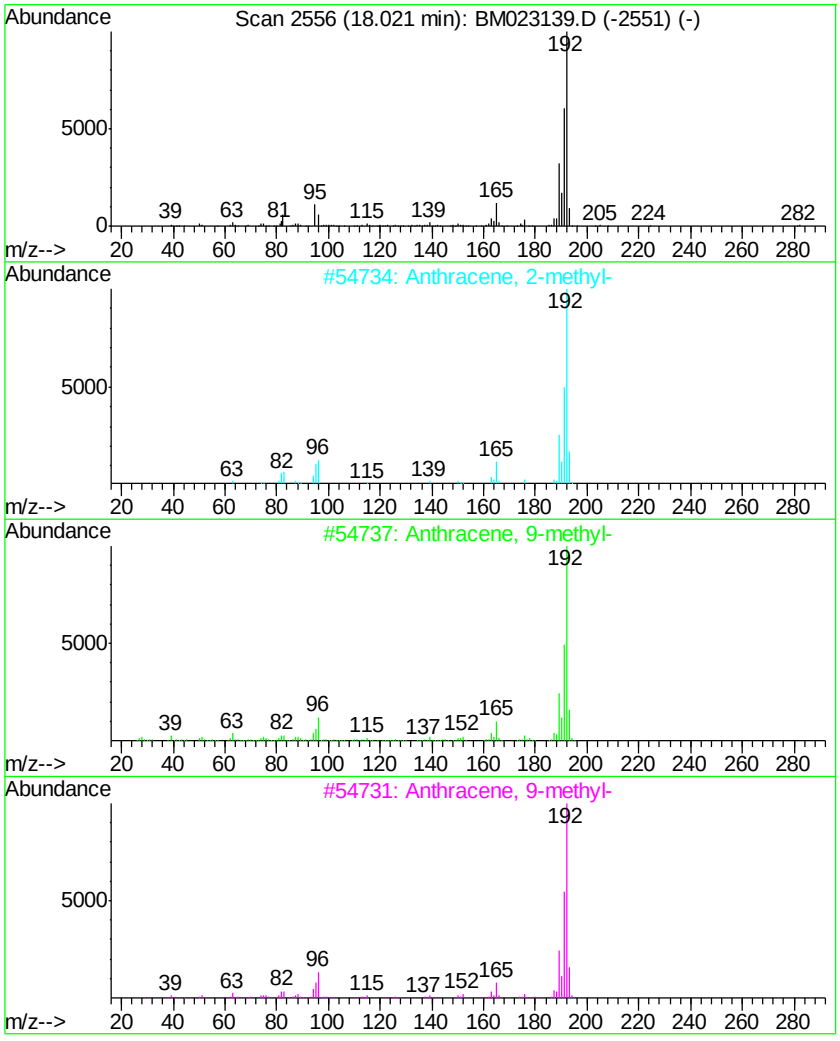
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

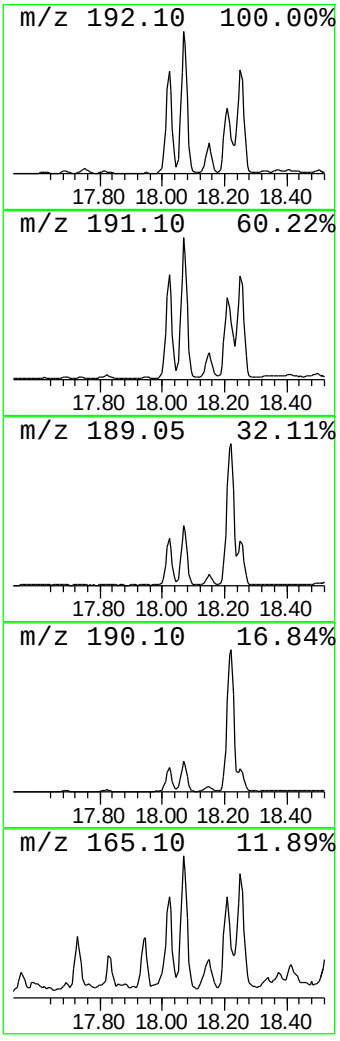
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	4.79 ng/ul	407069	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101119\
Data File : BM023139.D
Acq On : 11 Oct 2019 20:44
Operator : JU
Sample : K5124-02DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

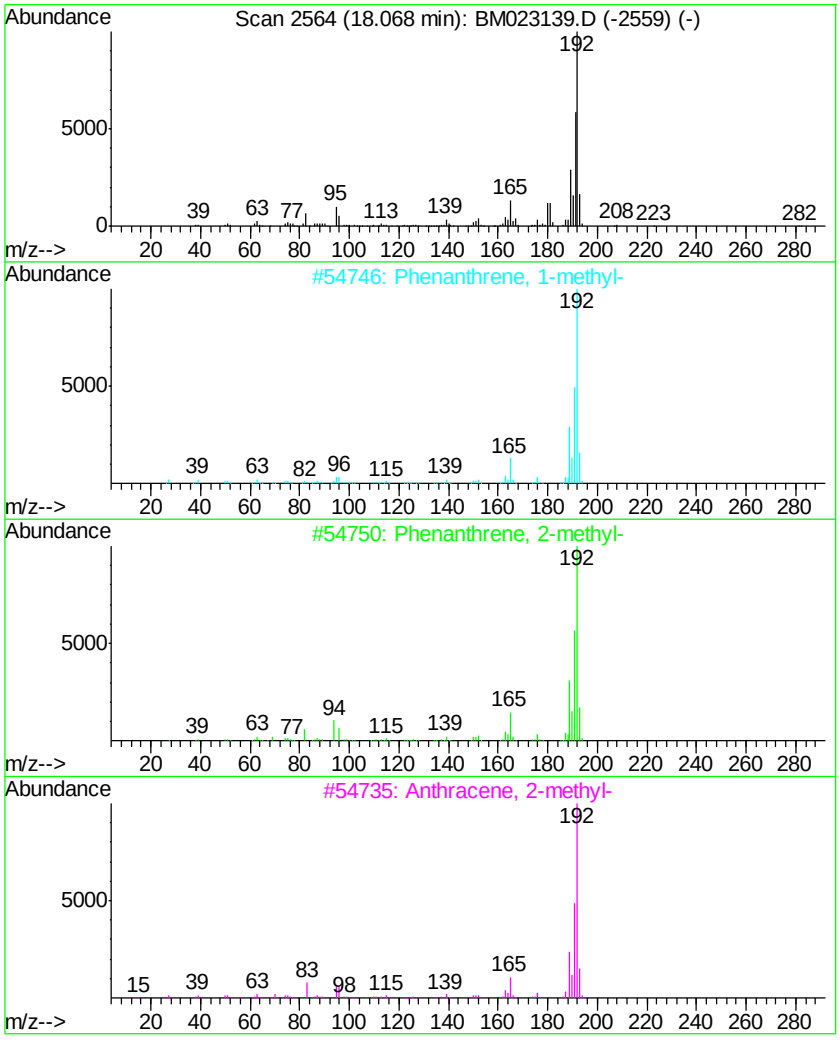
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

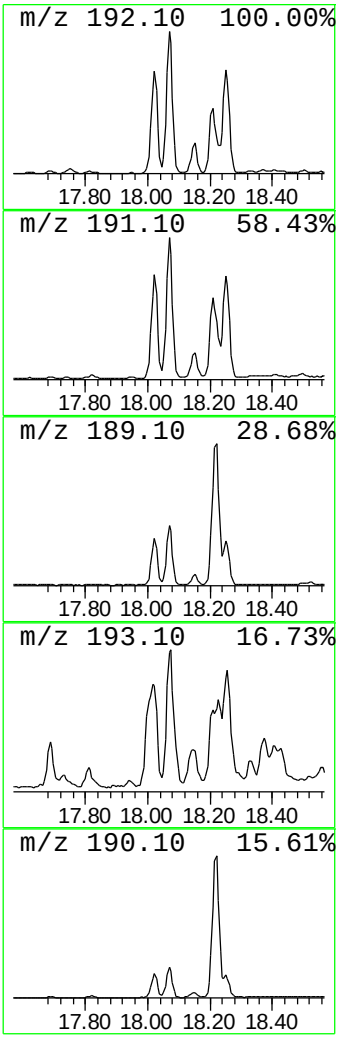
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	8.10 ng/ul	688427	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Operator : JU
Sample : K5124-02DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51DL

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Quant Title : SVOA CALIBRATION

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

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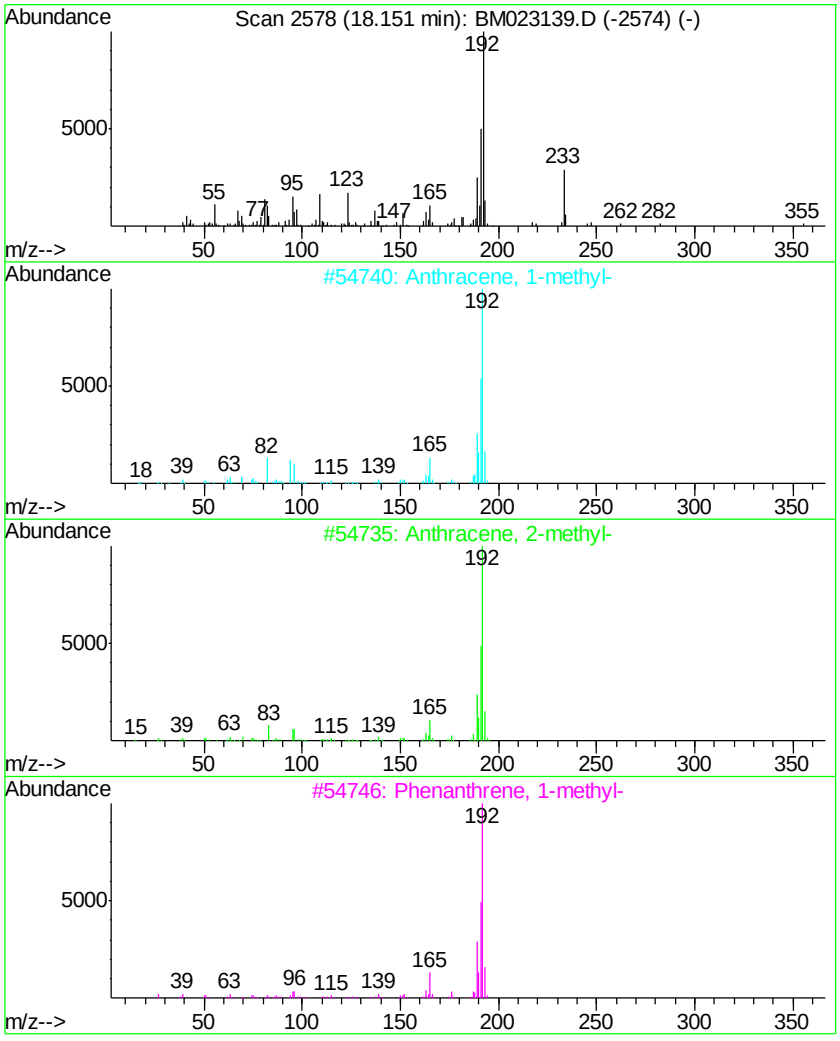
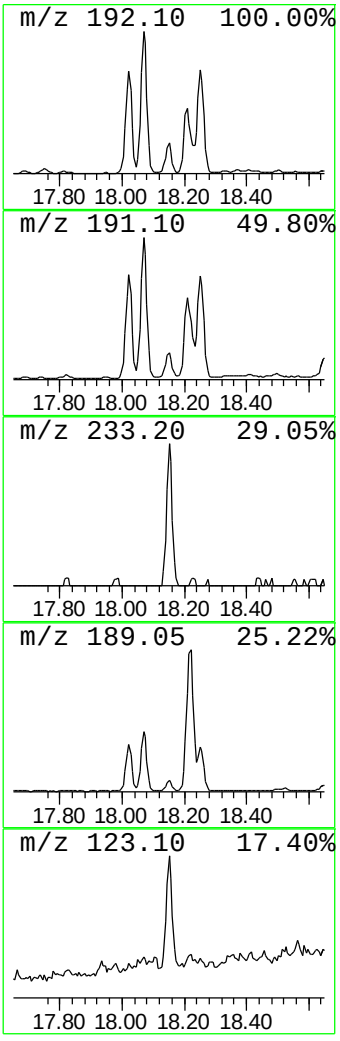
Peak Number 6 Anthracene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	2.50 ng/ul	212528	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	70
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	70





Library Search Compound Report

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ClientSampleId : JLM51DL

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Quant Title : SVOA CALIBRATION

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

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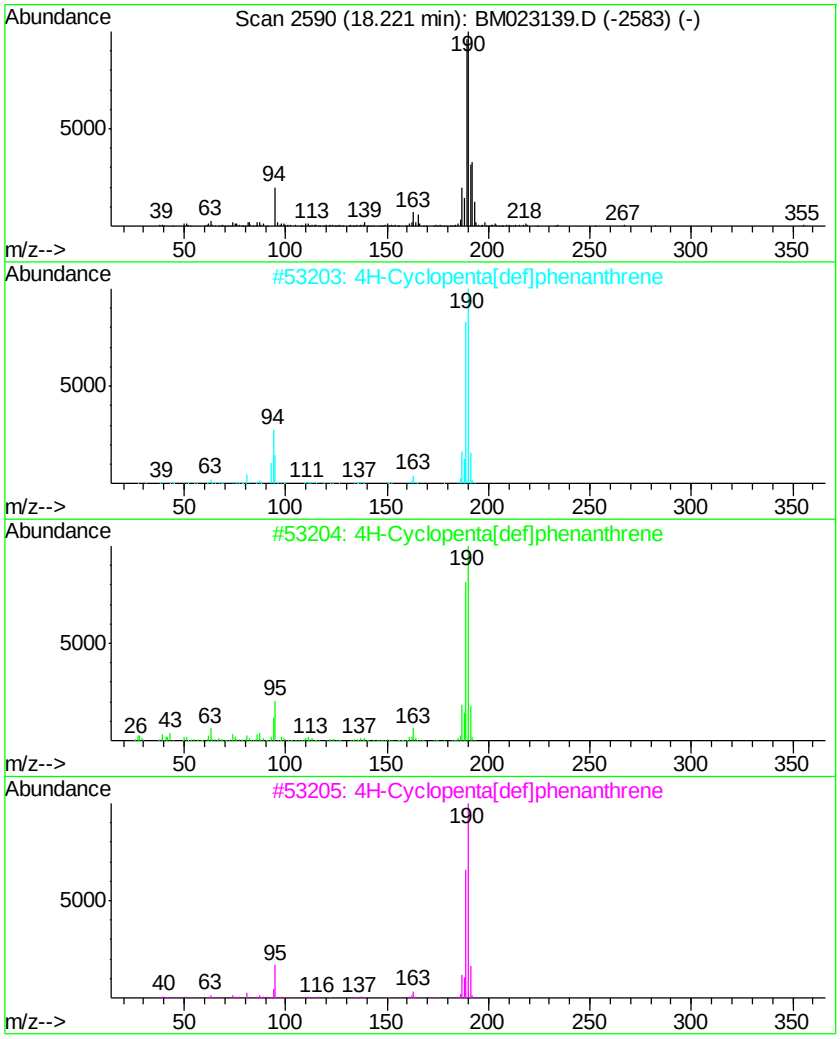
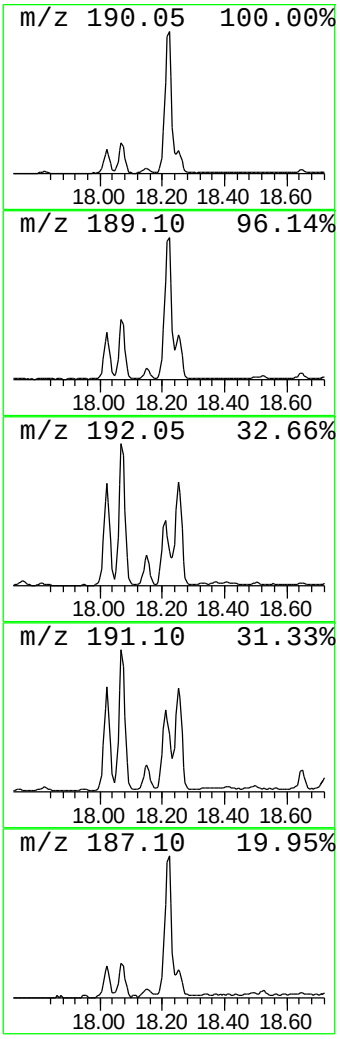
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	9.00 ng/ul	764812	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42





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Misc :
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ClientSampleId : JLM51DL

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Quant Title : SVOA CALIBRATION

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

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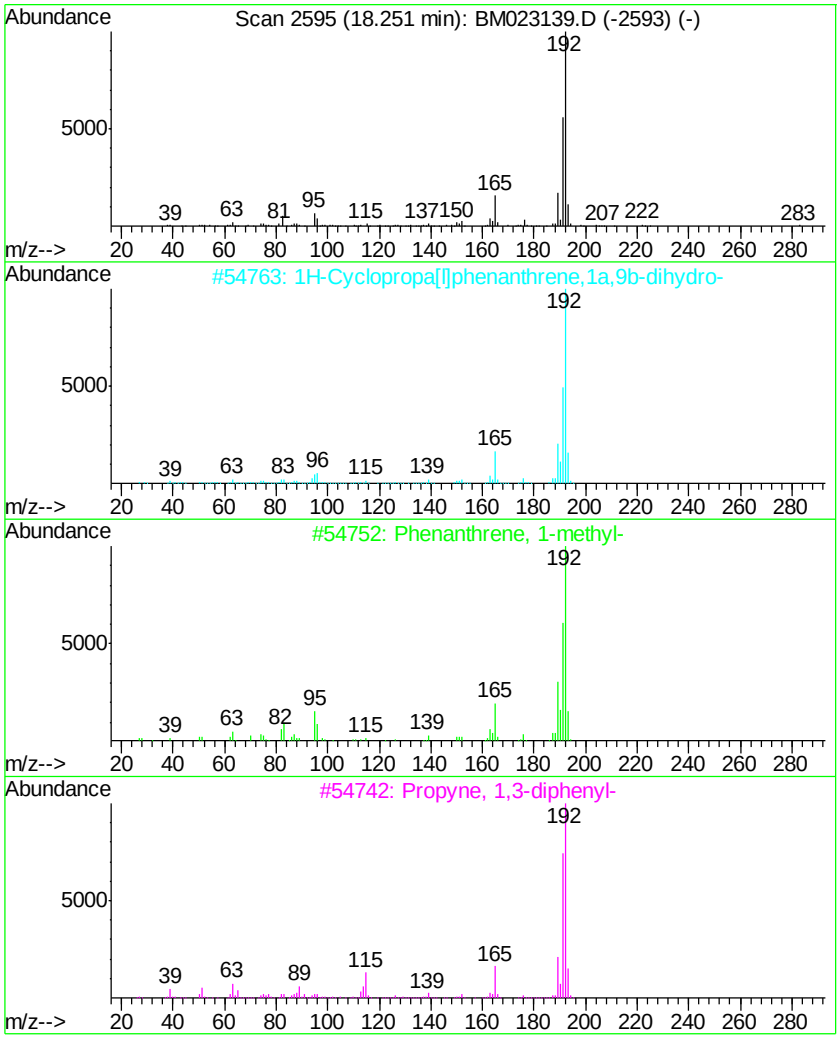
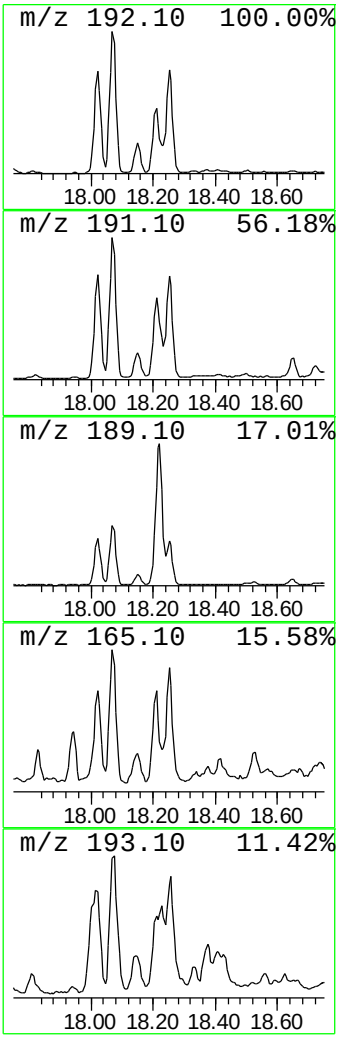
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	4.36 ng/ul	370733	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83





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ClientSampleId : JLM51DL

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Quant Title : SVOA CALIBRATION

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

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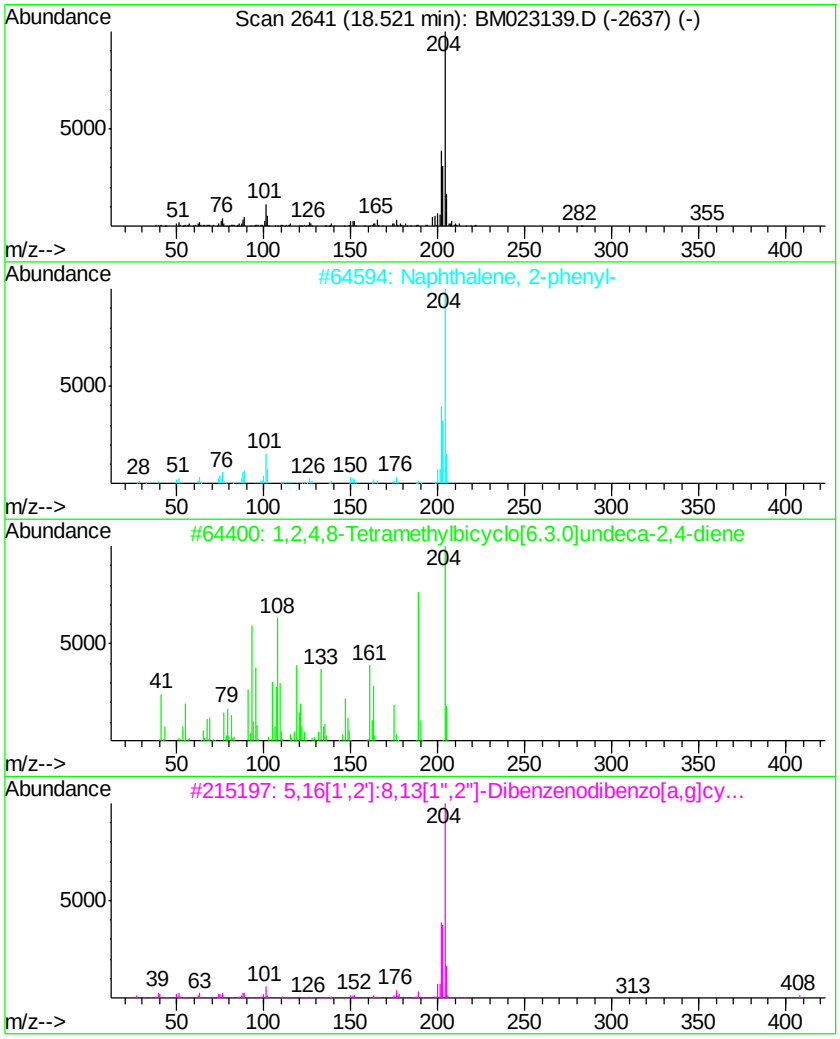
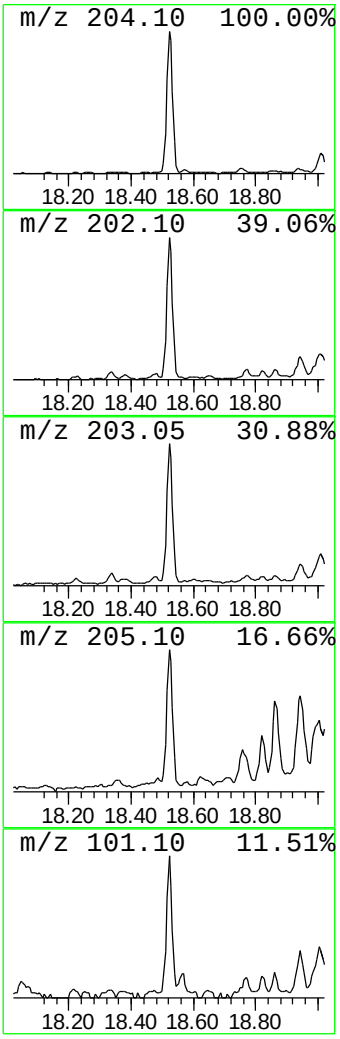
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	3.75 ng/ul	318249	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
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	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





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Misc :
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Quant Title : SVOA CALIBRATION

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

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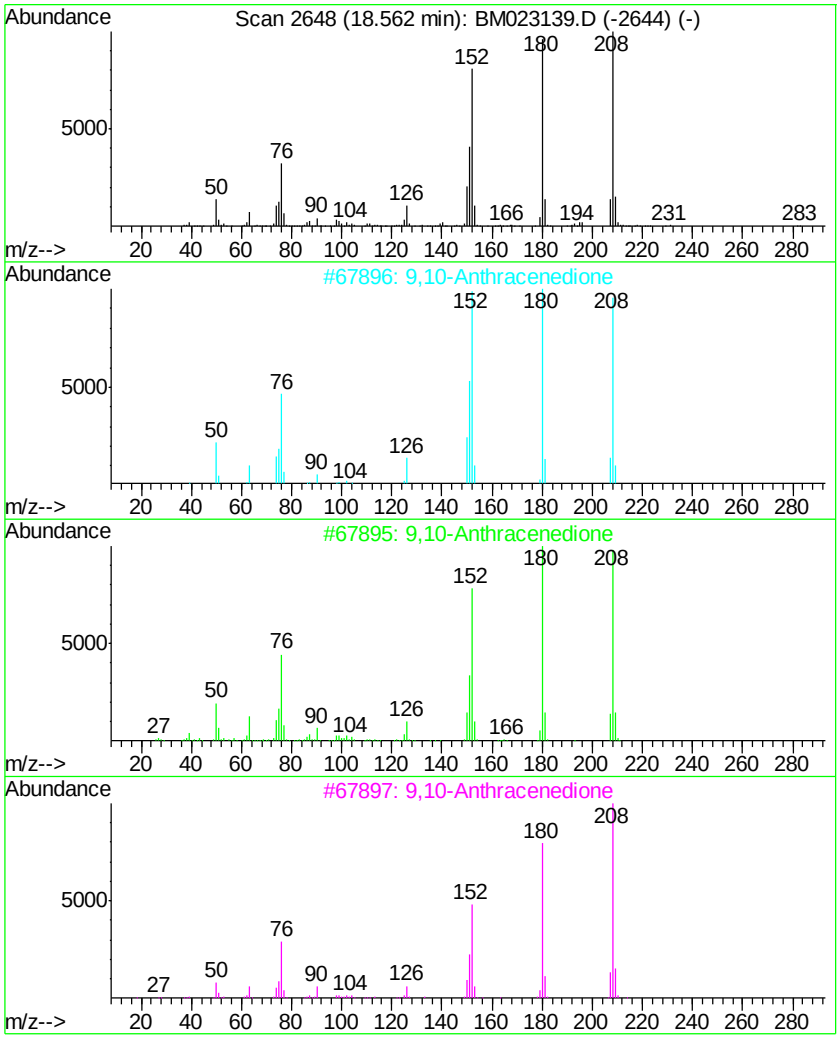
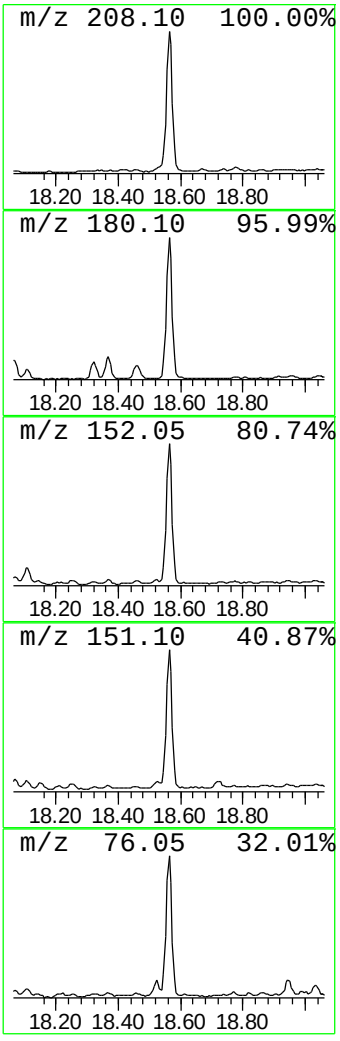
Peak Number 10 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	8.96 ng/ul	761096	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	62





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Quant Title : SVOA CALIBRATION

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

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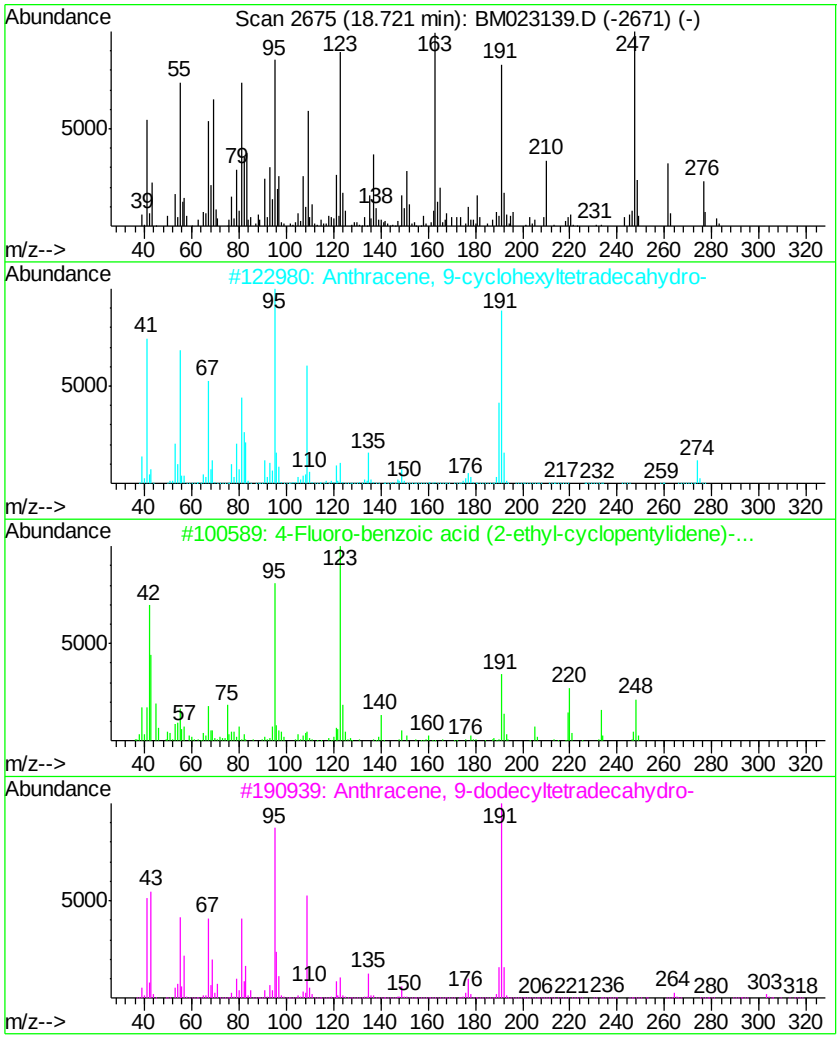
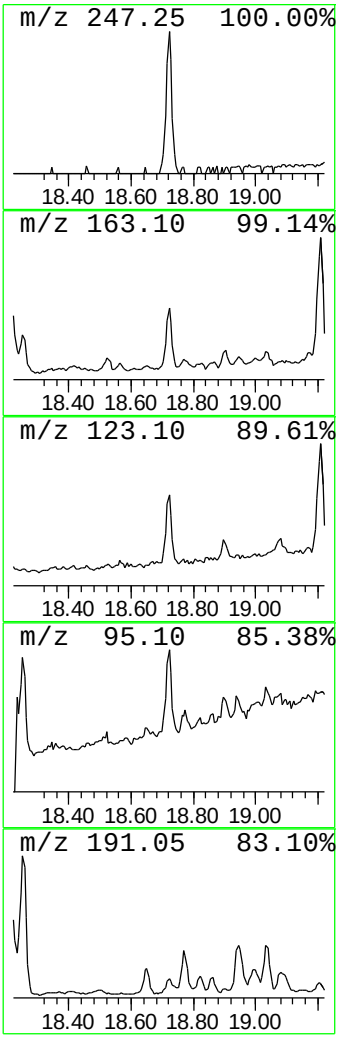
Peak Number 11 unknown-01 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	2.16 ng/ul	183881	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	30
2	4-Fluoro-benzoic acid (2-ethyl-c...	248	C14H17FN2O	1000296-19-8	30
3	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	27
4	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	25
5	Divinylbis(cyclopropyl)silane	164	C10H16Si	1000109-95-2	18





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Operator : JU
Sample : K5124-02DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51DL

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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 Anthracene, 2-ethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	2.17 ng/ul	184406	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	83
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	83
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	64
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	64
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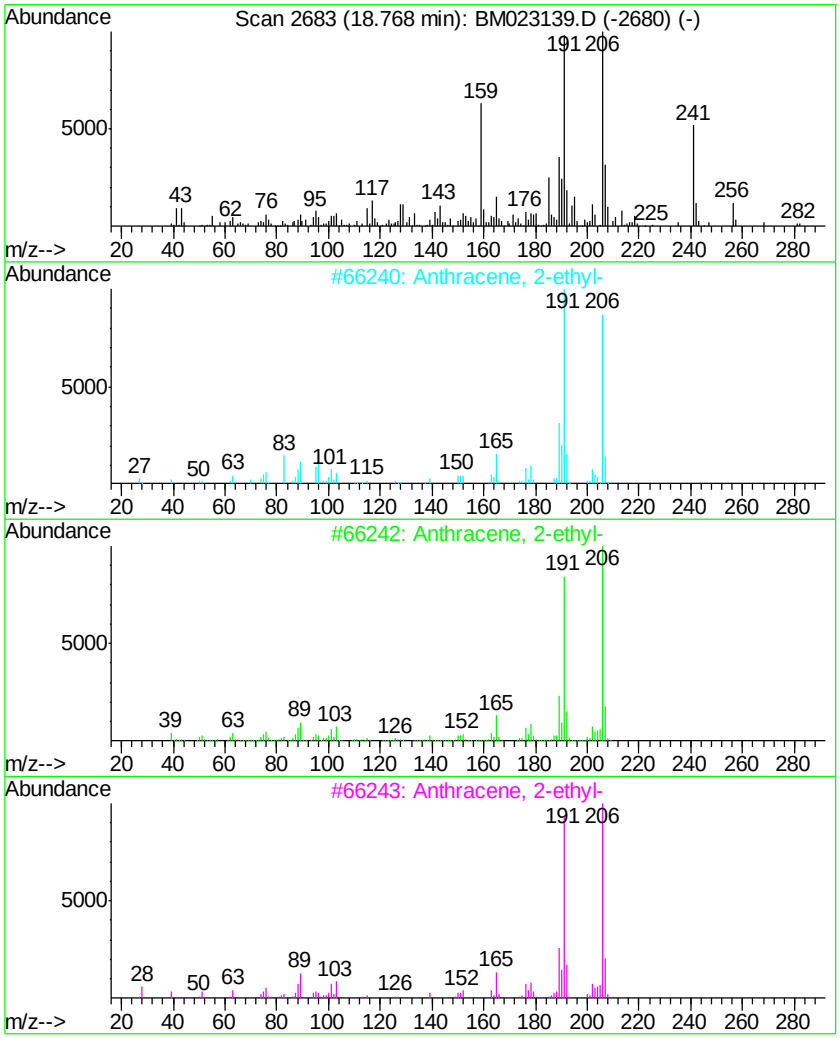

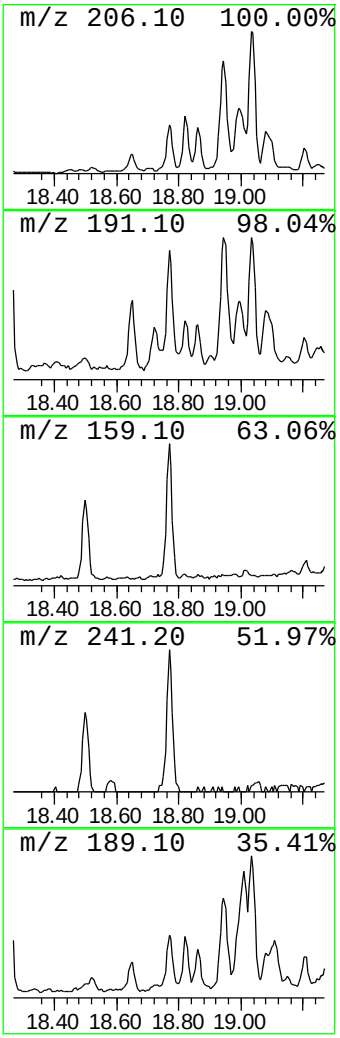

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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51DL

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Quant Title : SVOA CALIBRATION

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

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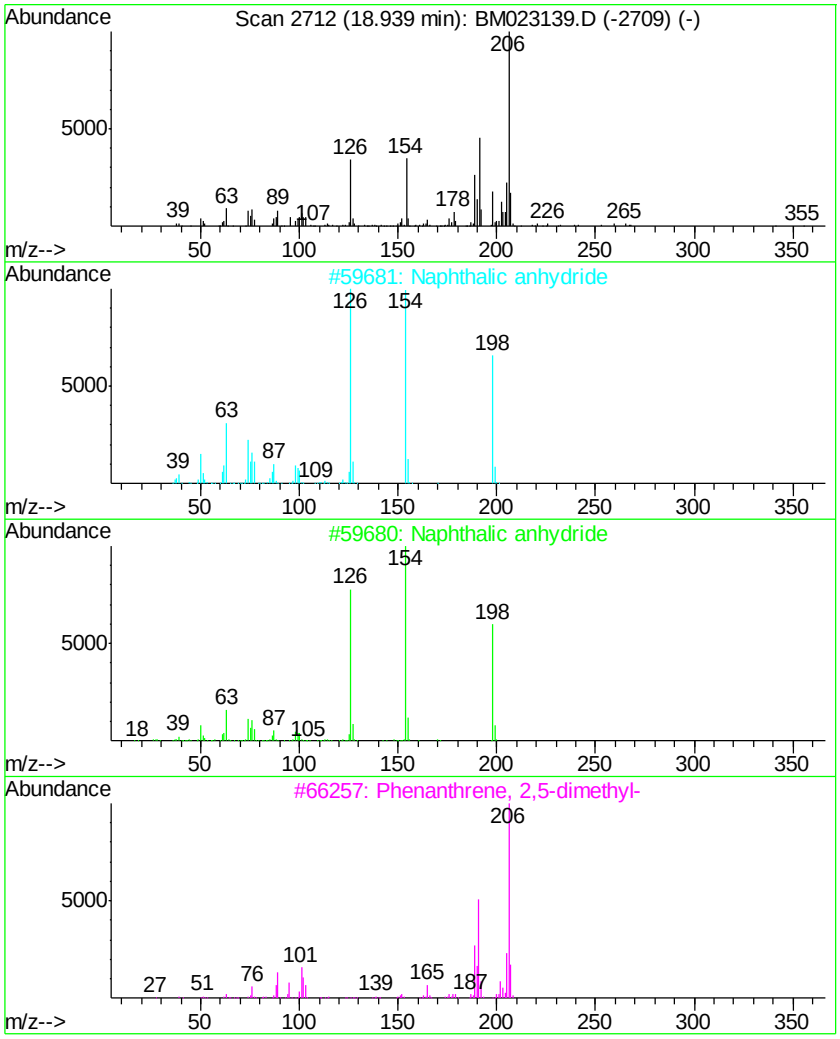
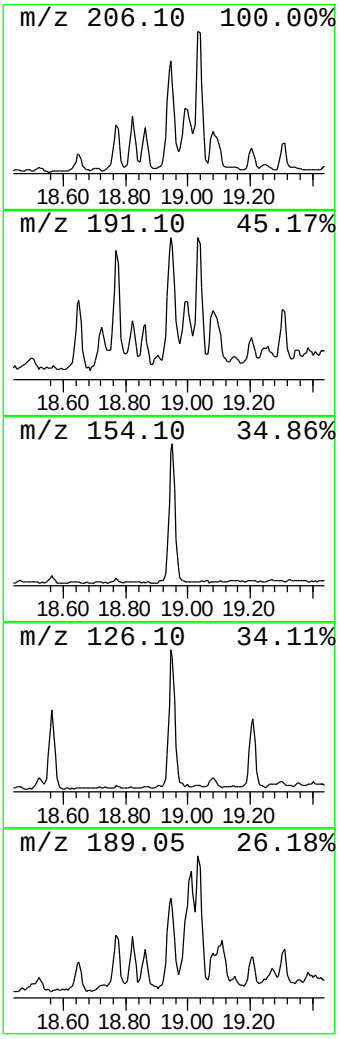
Peak Number 13 Naphthalic anhydride Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	3.21 ng/ul	273098	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	93
2	Naphthalic anhydride	198	C12H6O3	000081-84-5	78
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	78
4	Naphthalic anhydride	198	C12H6O3	000081-84-5	76
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70





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Quant Title : SVOA CALIBRATION

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

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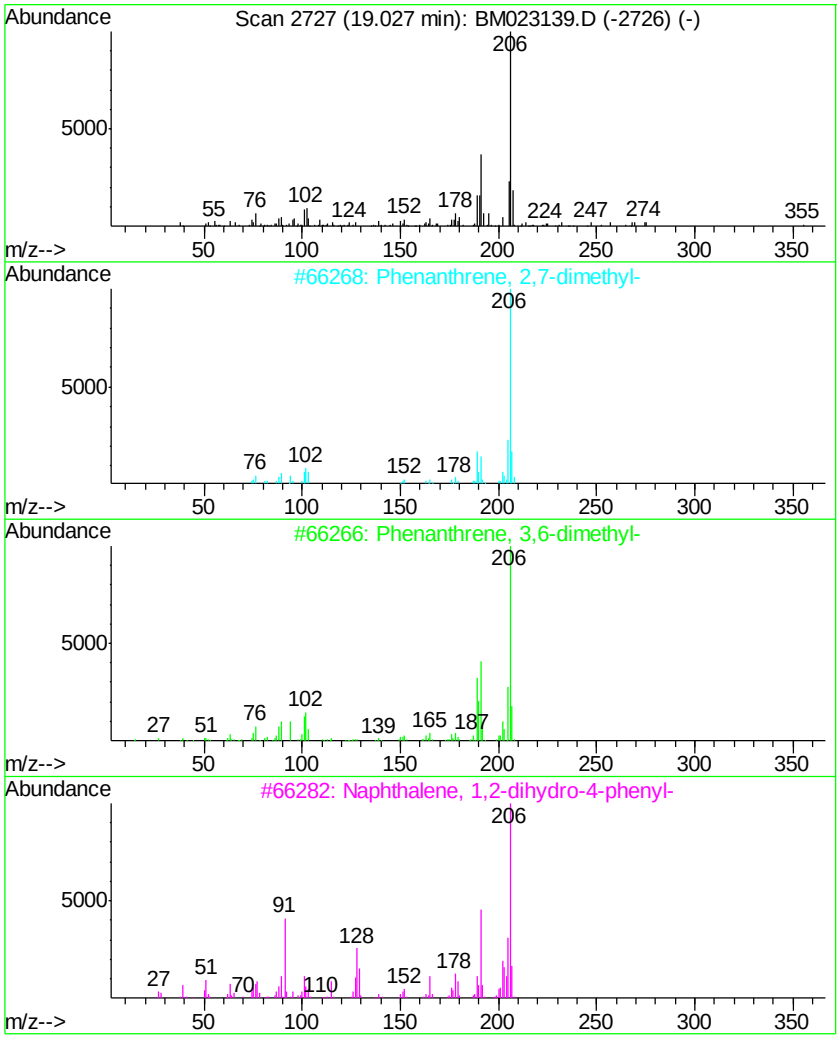
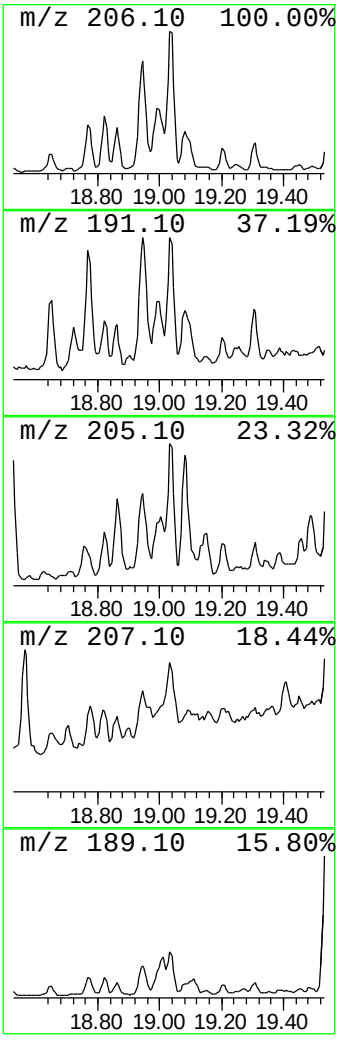
Peak Number 14 Phenanthrene, 2,7-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	2.03 ng/ul	172205	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81





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ALS Vial : 20 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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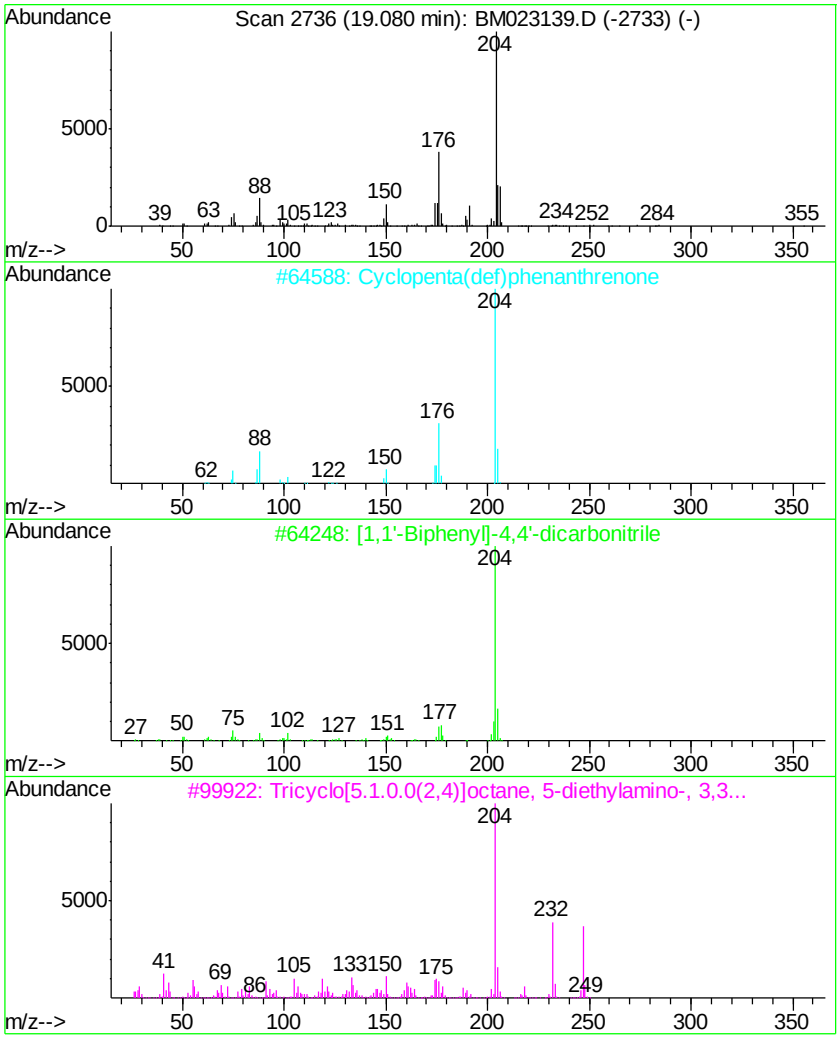
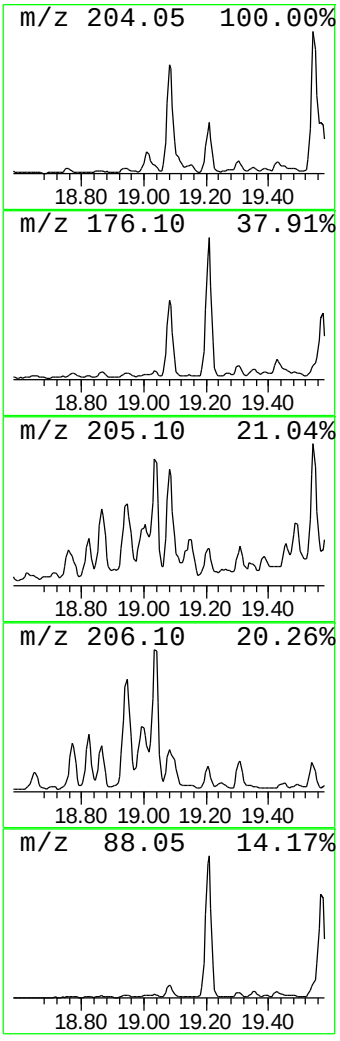
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	3.87 ng/ul	328500	Phenanthrene-d10	17.14

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	58
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	50
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	49





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Quant Title : SVOA CALIBRATION

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

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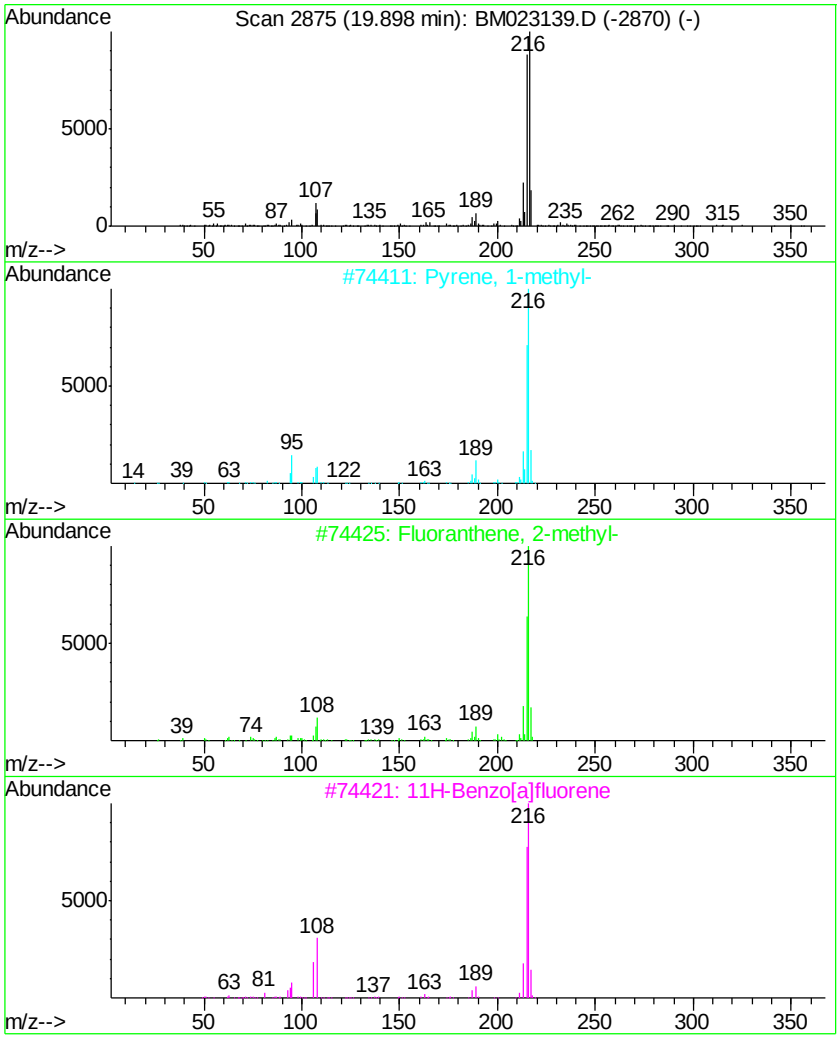
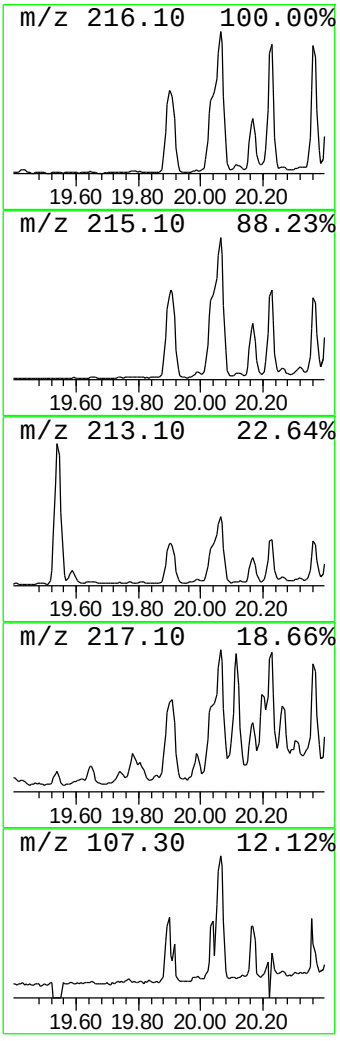
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	2.36 ng/ul	577903	Chrysene-d12	21.33

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





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Quant Title : SVOA CALIBRATION

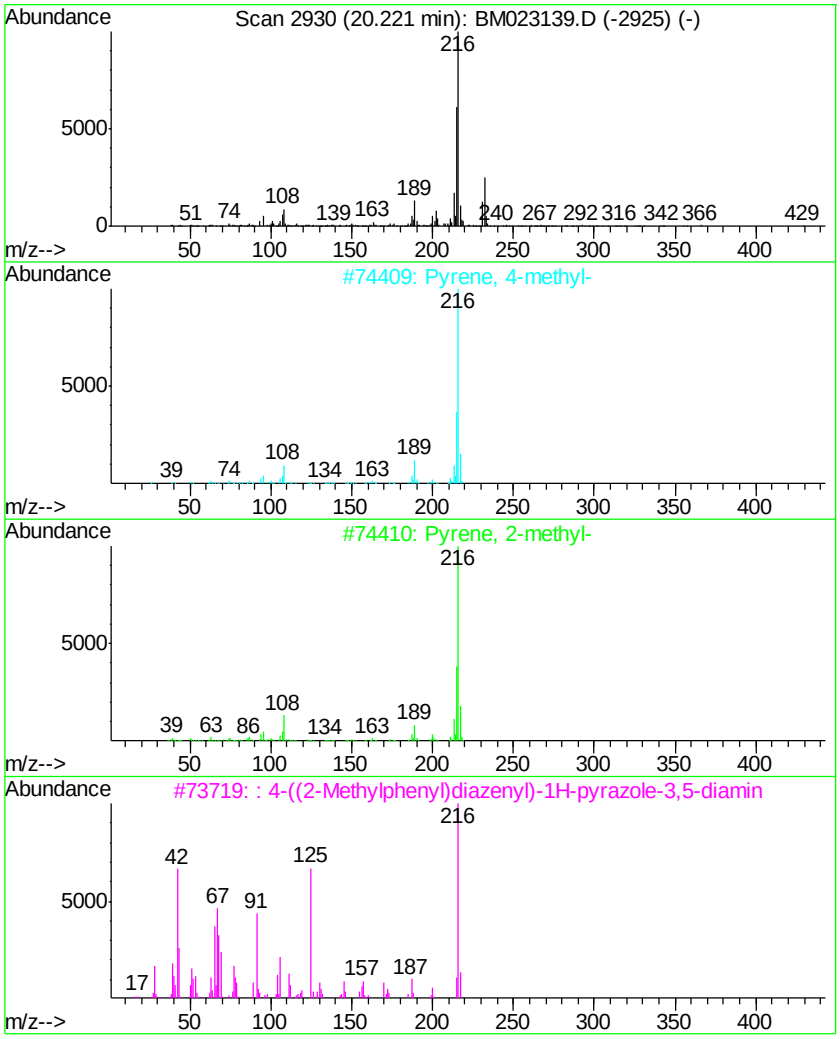
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

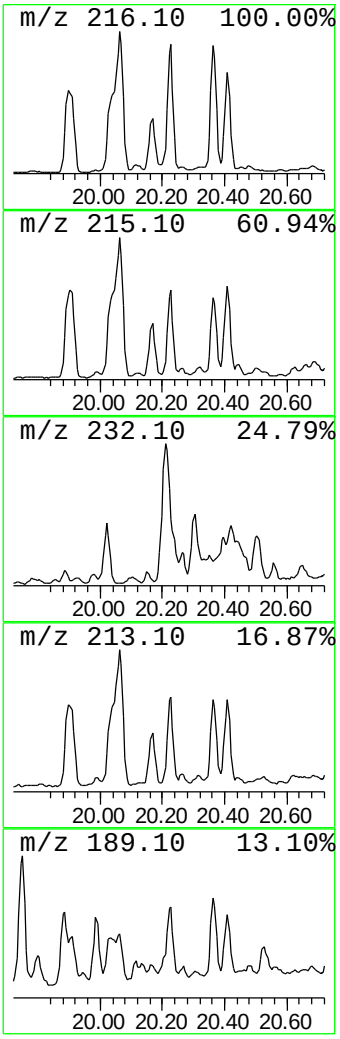
****

Peak Number 17 Pyrene, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.22	2.54 ng/ul	621718	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
3	: 4-((2-Methylphenyl)diazenyl)-1...	216	C10H12N6	1000332-58-9	80
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





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Data File : BM023139.D
Acq On : 11 Oct 2019 20:44
Operator : JU
Sample : K5124-02DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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

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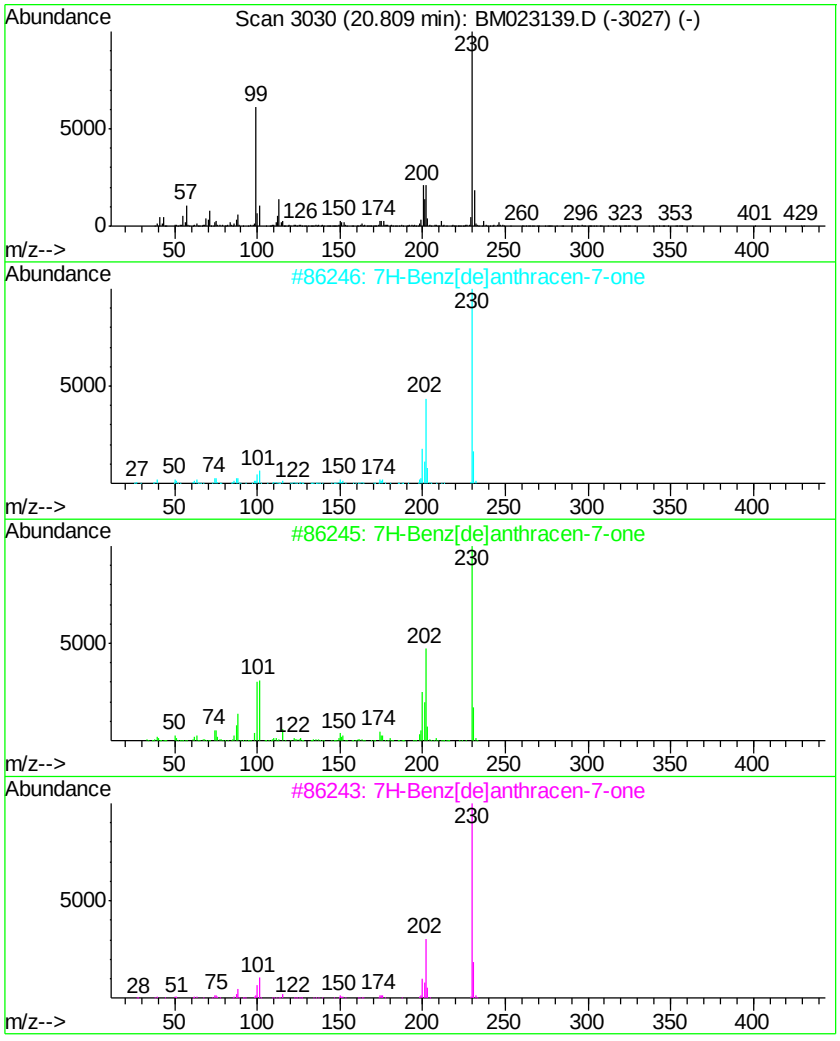
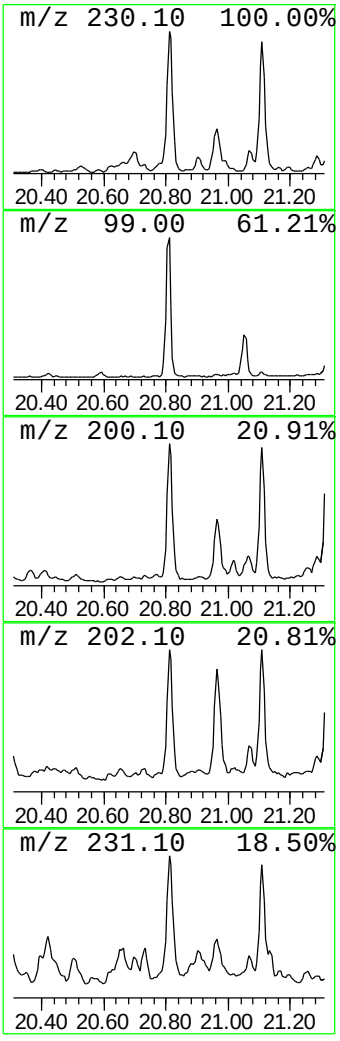
Peak Number 18 7H-Benz[de]anthracen-7-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.81	3.46 ng/ul	847962	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	58
4	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	53
5	o-Terphenyl	230	C18H14	000084-15-1	46





Library Search Compound Report

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Data File : BM023139.D
Acq On : 11 Oct 2019 20:44
Operator : JU
Sample : K5124-02DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

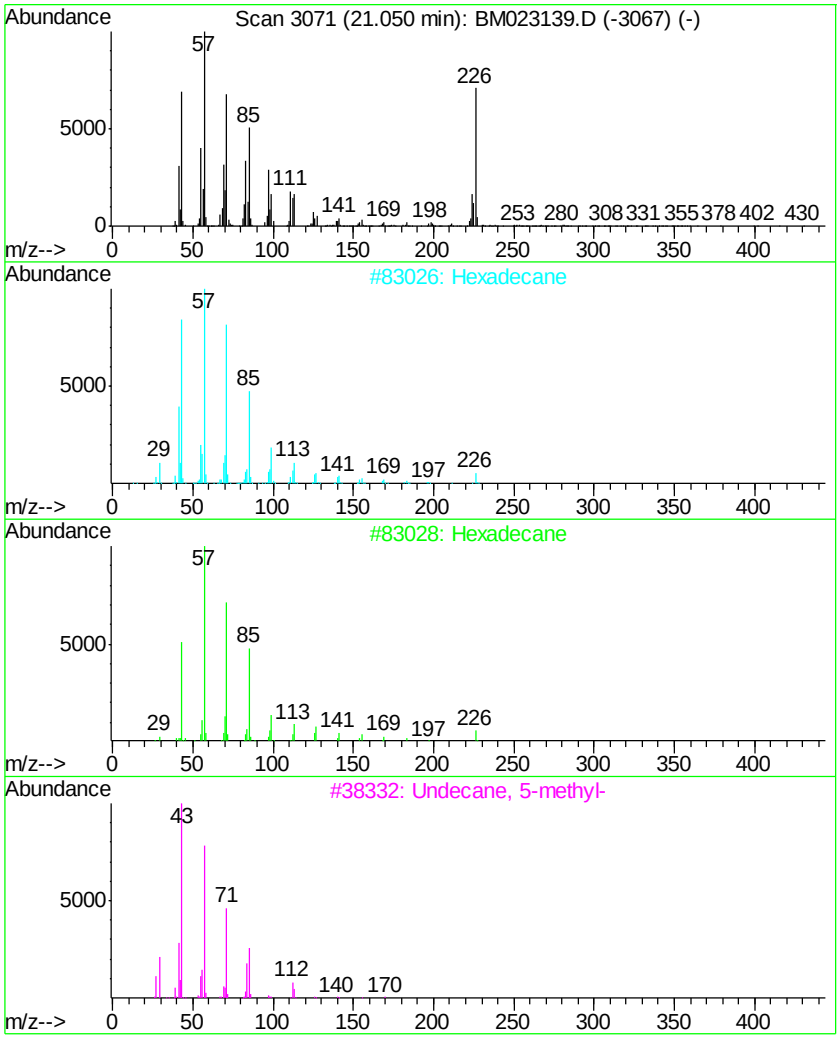
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

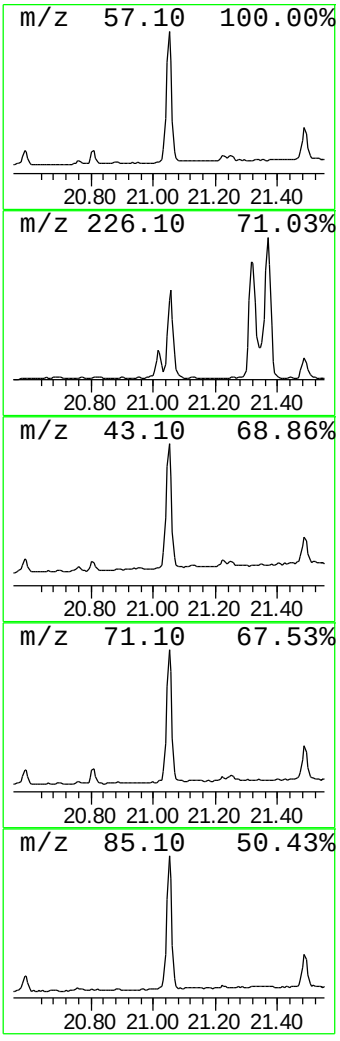
****

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.05	10.16 ng/ul	2487670	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	70
2	Hexadecane	226	C16H34	000544-76-3	62
3	Undecane, 5-methyl-	170	C12H26	001632-70-8	50
4	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	49
5	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	49





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Data File : BM023139.D
Acq On : 11 Oct 2019 20:44
Operator : JU
Sample : K5124-02DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51DL

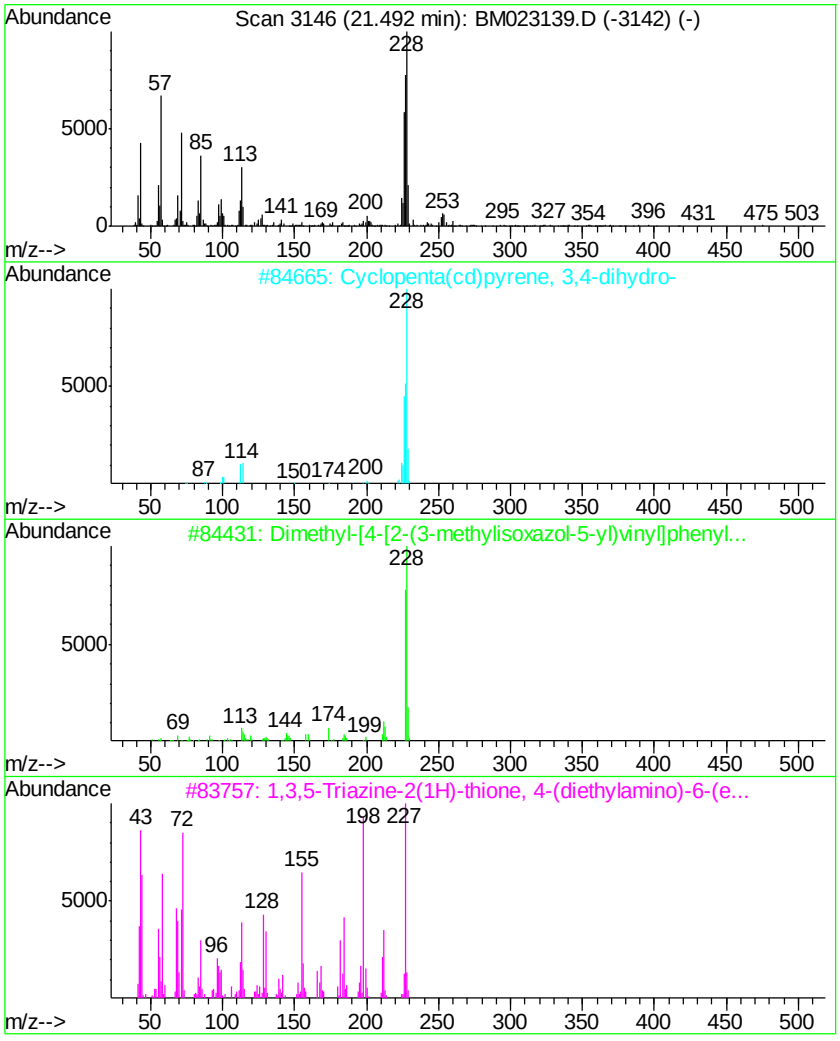
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

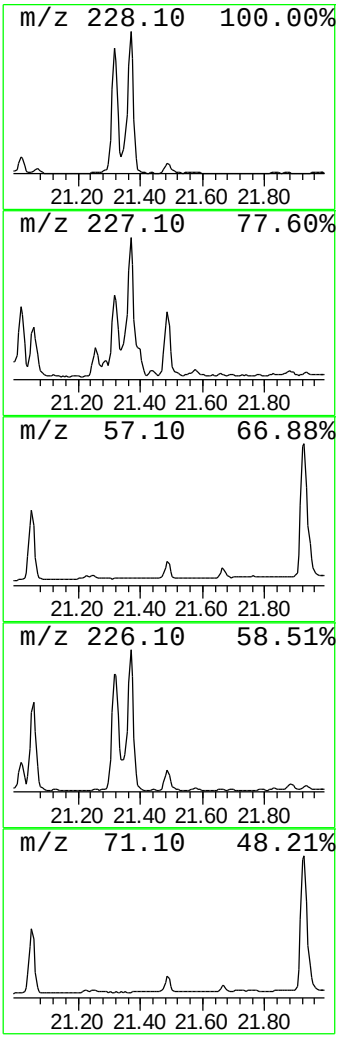
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.49	2.49 ng/ul	610797	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
2	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	46
3	1,3,5-Triazine-2(1H)-thione, 4-(...	227	C9H17N5S	023613-02-7	42
4	Triphenylene	228	C18H12	000217-59-4	42
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	41





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Data File : BM023139.D
Acq On : 11 Oct 2019 20:44
Operator : JU
Sample : K5124-02DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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

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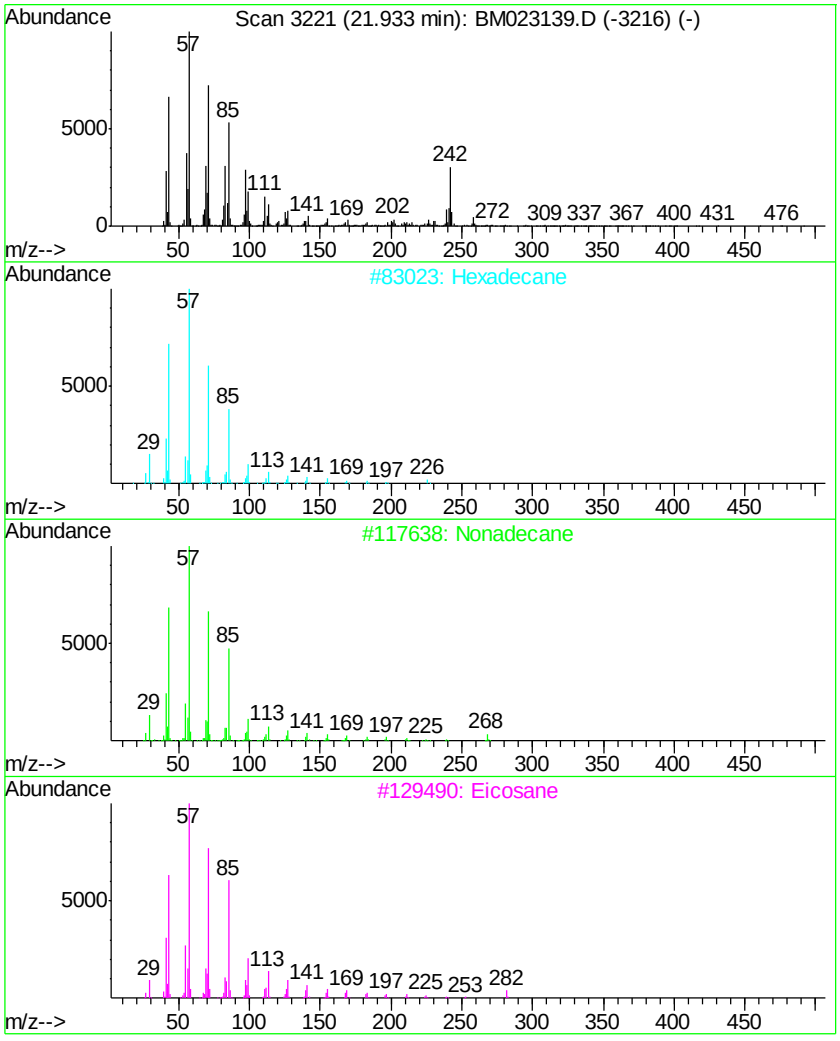
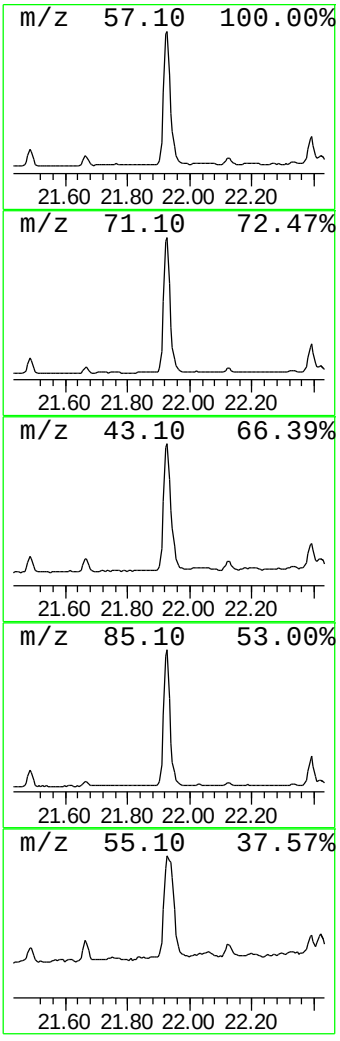
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.93	15.98 ng/ul	3913450	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	95
2	Nonadecane	268	C19H40	000629-92-5	93
3	Eicosane	282	C20H42	000112-95-8	91
4	Eicosane, 9-octyl-	394	C28H58	013475-77-9	90
5	Heneicosane	296	C21H44	000629-94-7	90





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Data File : BM023139.D
Acq On : 11 Oct 2019 20:44
Operator : JU
Sample : K5124-02DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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

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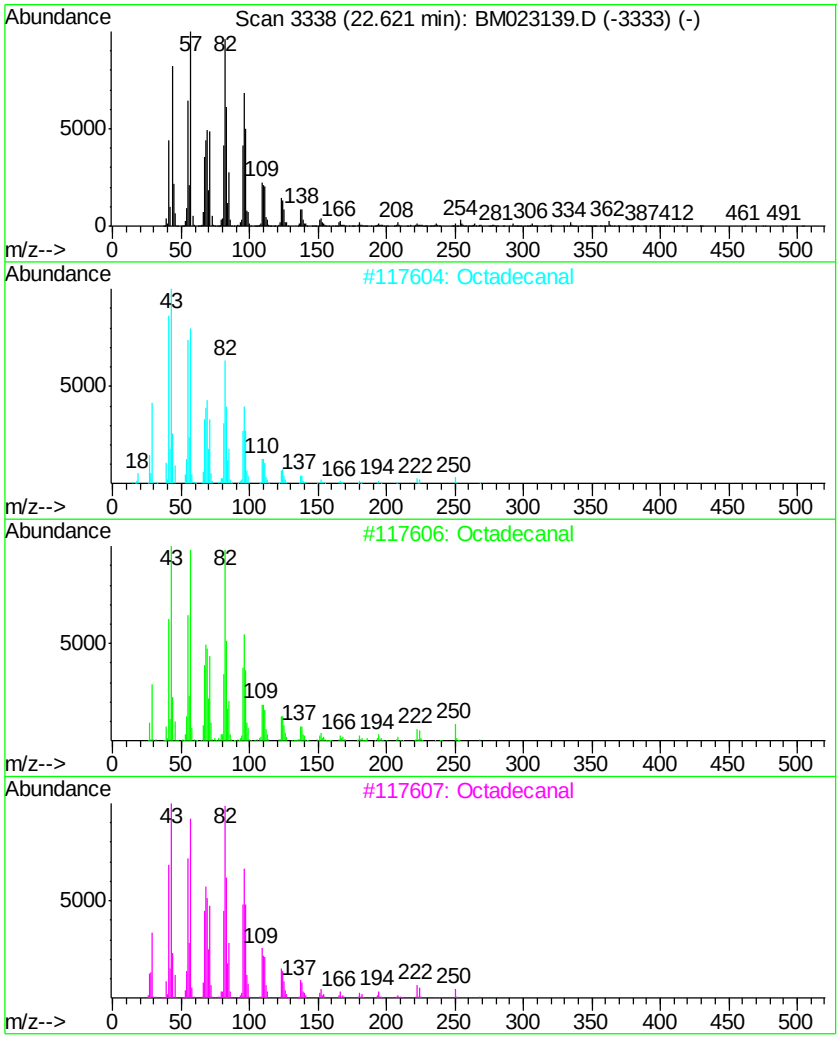
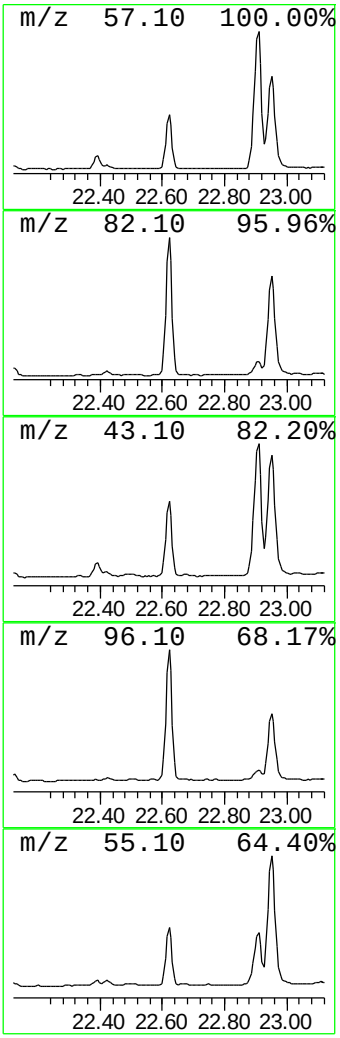
Peak Number 22 Octadecanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.62	23.14 ng/ul	5116510	Perylene-d12	23.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanal	268	C18H36O	000638-66-4	94
2	Octadecanal	268	C18H36O	000638-66-4	93
3	Octadecanal	268	C18H36O	000638-66-4	91
4	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
5	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91





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Acq On : 11 Oct 2019 20:44
Operator : JU
Sample : K5124-02DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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

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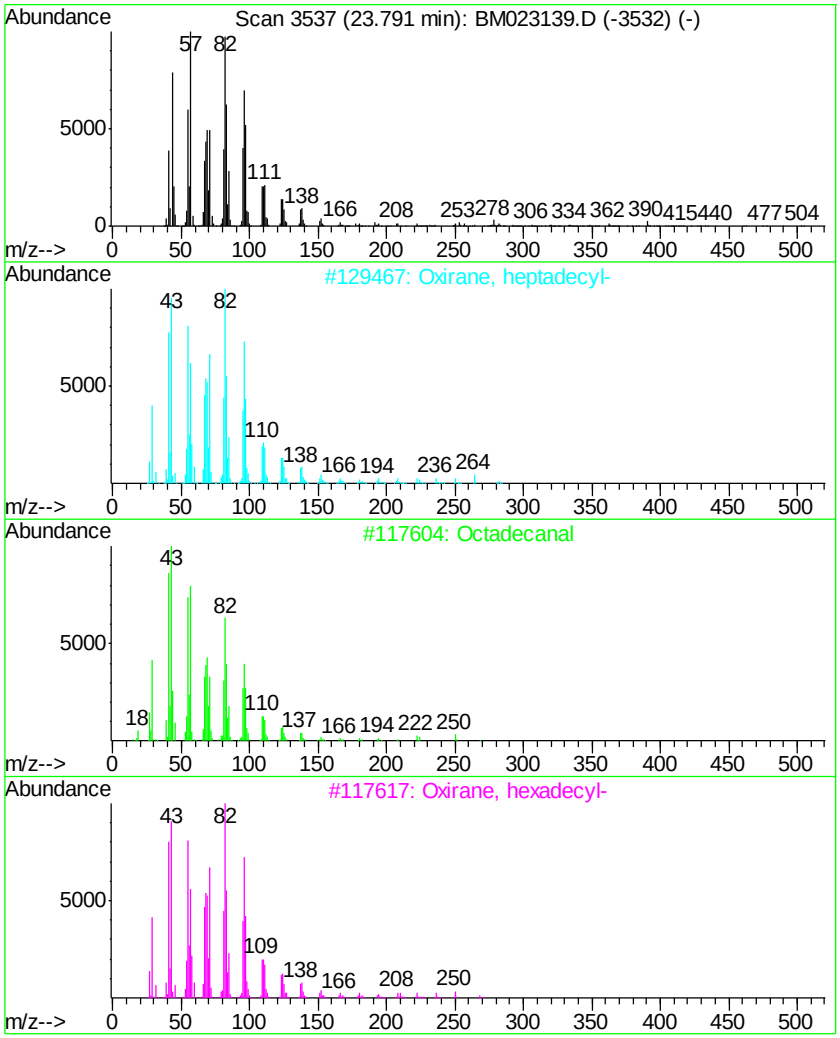
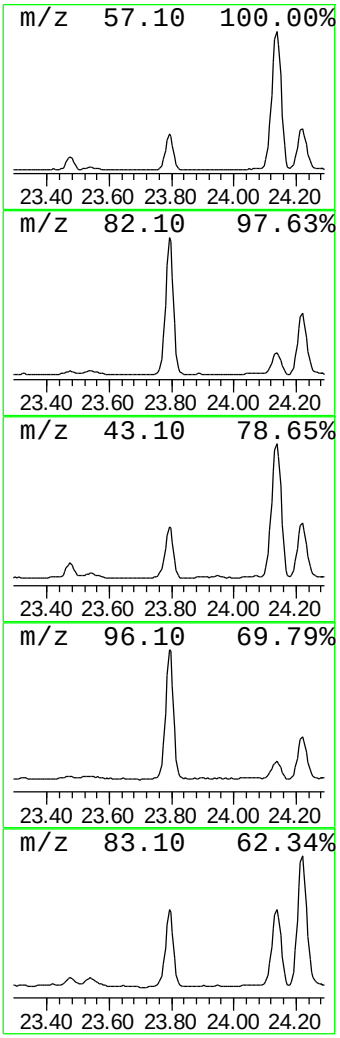
Peak Number 23 Oxirane, heptadecyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.79	27.53 ng/ul	6087820	Perylene-d12	23.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	94
2	Octadecanal	268	C18H36O	000638-66-4	91
3	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
4	Octadecanal	268	C18H36O	000638-66-4	91
5	Octadecanal	268	C18H36O	000638-66-4	91





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Acq On : 11 Oct 2019 20:44
Operator : JU
Sample : K5124-02DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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

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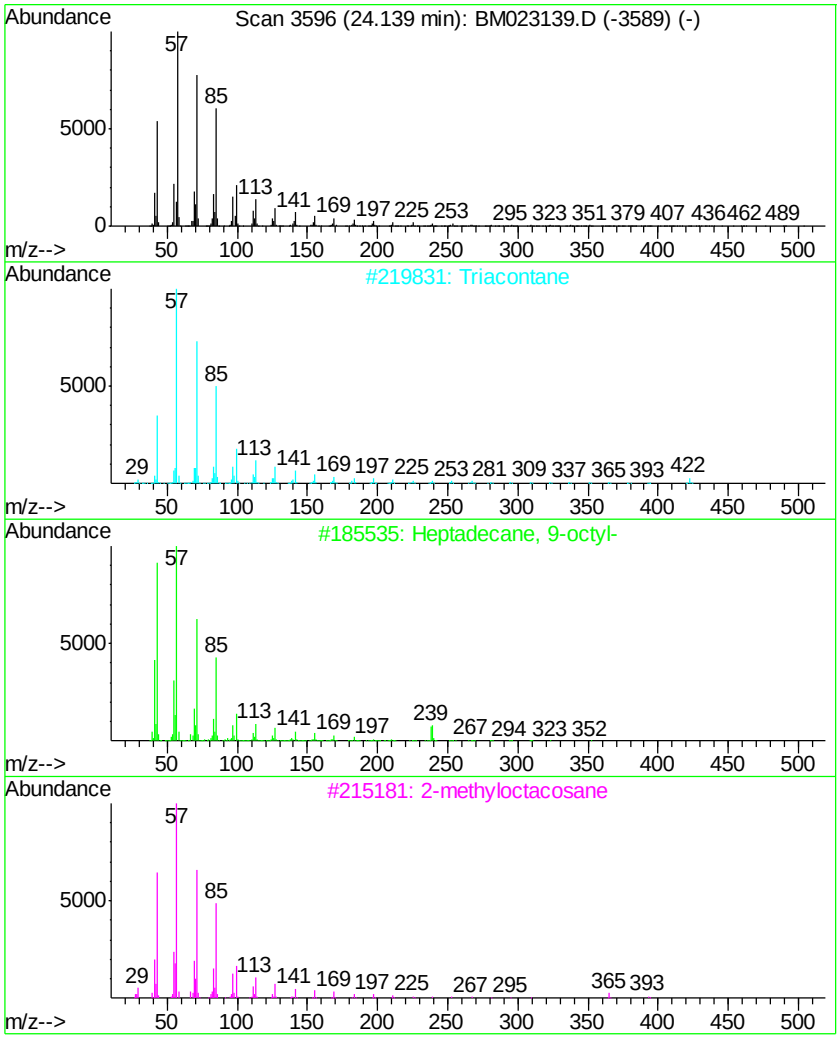
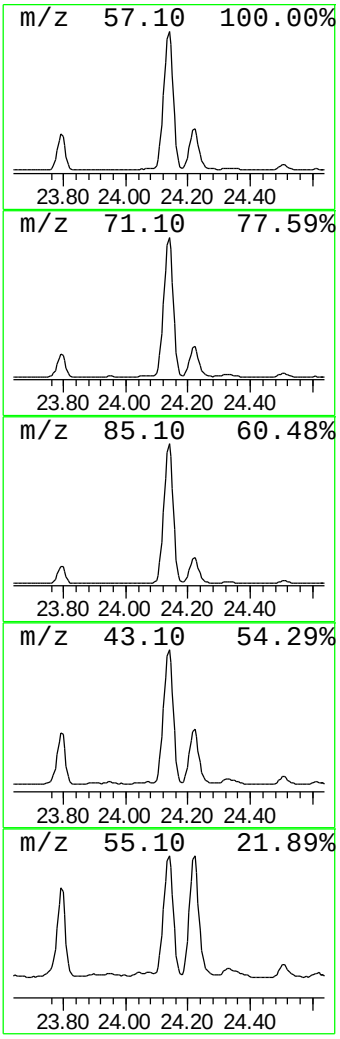
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.14	55.93 ng/ul	12366800	Perylene-d12	23.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triacontane	422	C30H62	000638-68-6	97
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Docosane	310	C22H46	000629-97-0	91





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Data File : BM023139.D
Acq On : 11 Oct 2019 20:44
Operator : JU
Sample : K5124-02DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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

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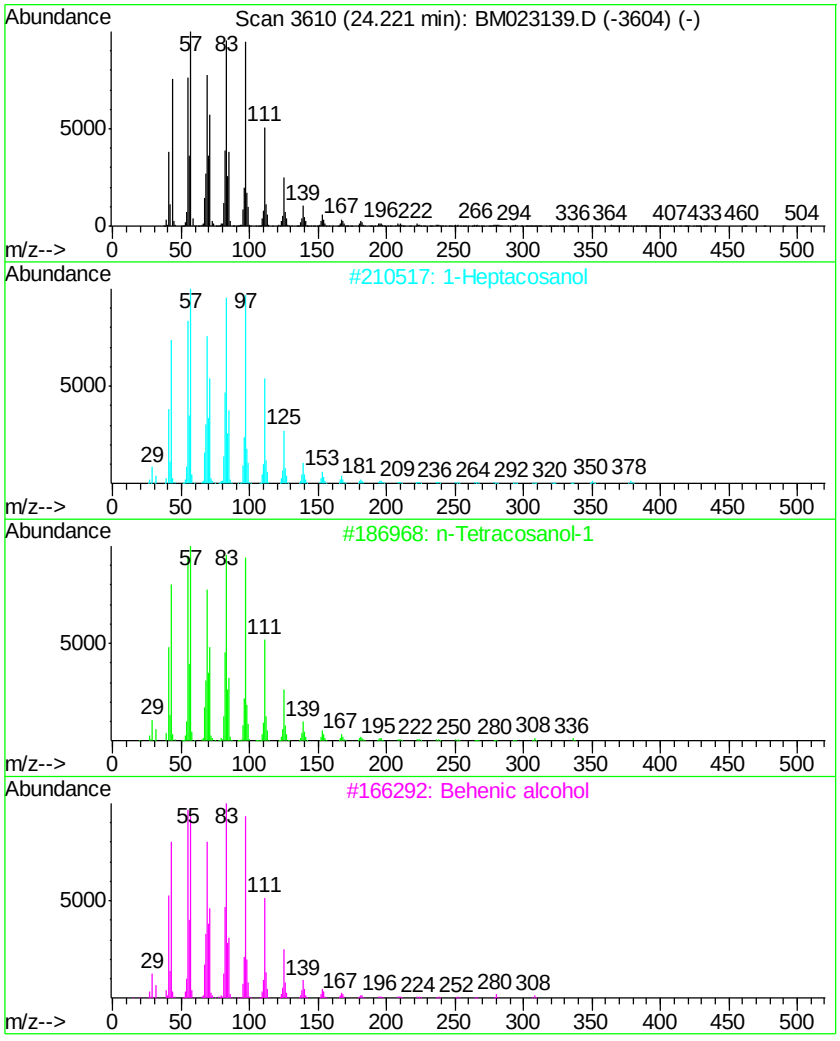
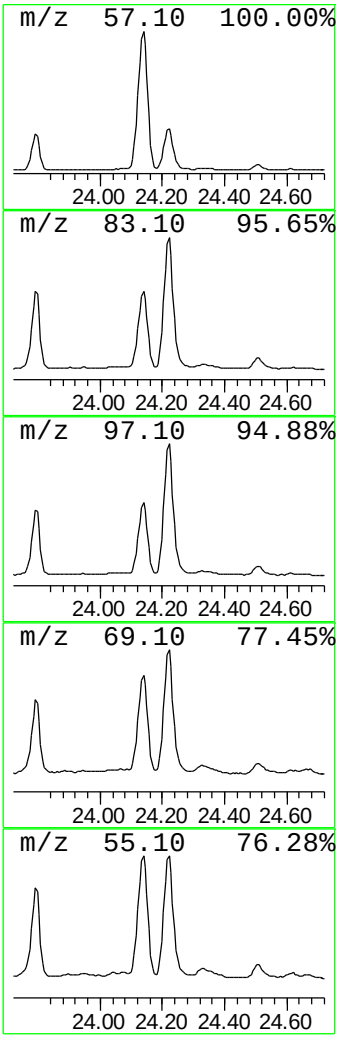
Peak Number 25 1-Heptacosanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.22	32.63 ng/ul	7215590	Perylene-d12	23.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	95
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
3	Behenic alcohol	326	C22H46O	000661-19-8	94
4	Octacosanol	410	C28H58O	000557-61-9	93
5	1-Heneicosanol	312	C21H44O	015594-90-8	91





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Data File : BM023139.D
Acq On : 11 Oct 2019 20:44
Operator : JU
Sample : K5124-02DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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

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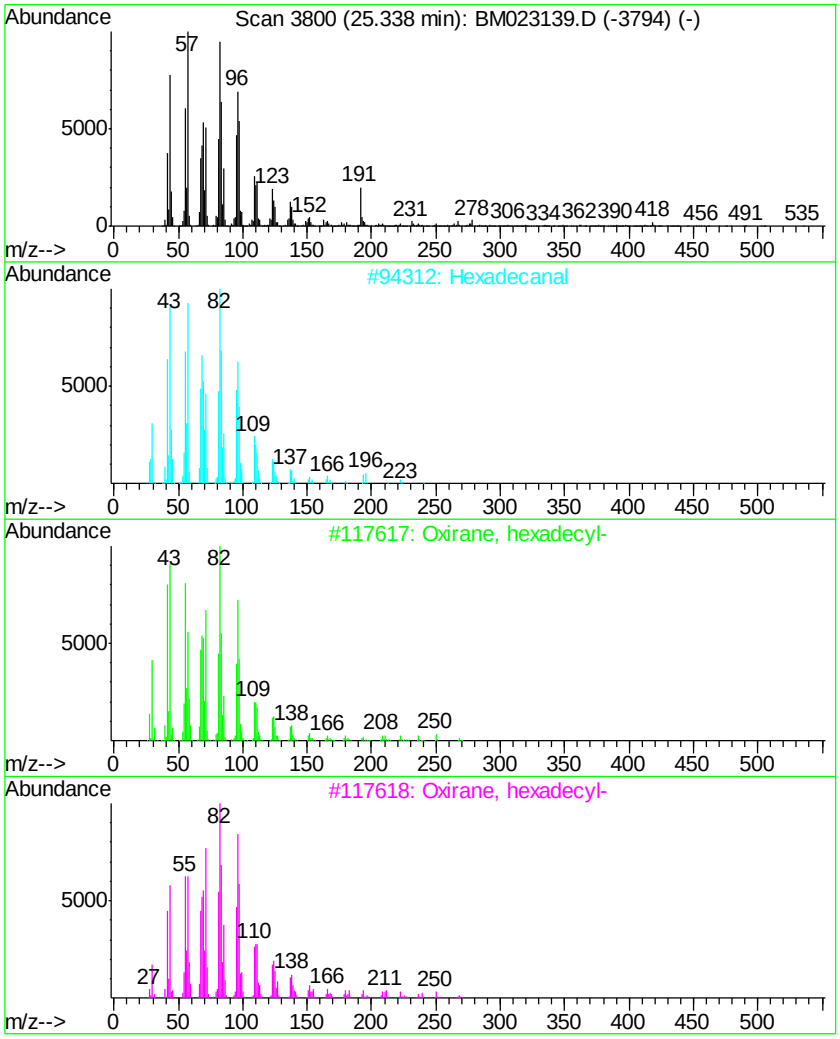
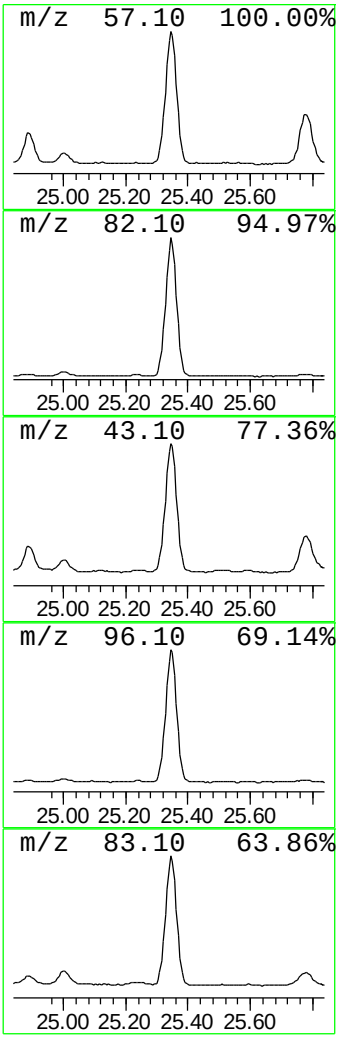
Peak Number 26 Hexadecanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.34	48.49 ng/ul	10721800	Perylene-d12	23.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanal	240	C16H32O	000629-80-1	91
2	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	87
3	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	87
4	Octadecanal	268	C18H36O	000638-66-4	87
5	Octadecanal	268	C18H36O	000638-66-4	87





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Acq On : 11 Oct 2019 20:44
Operator : JU
Sample : K5124-02DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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

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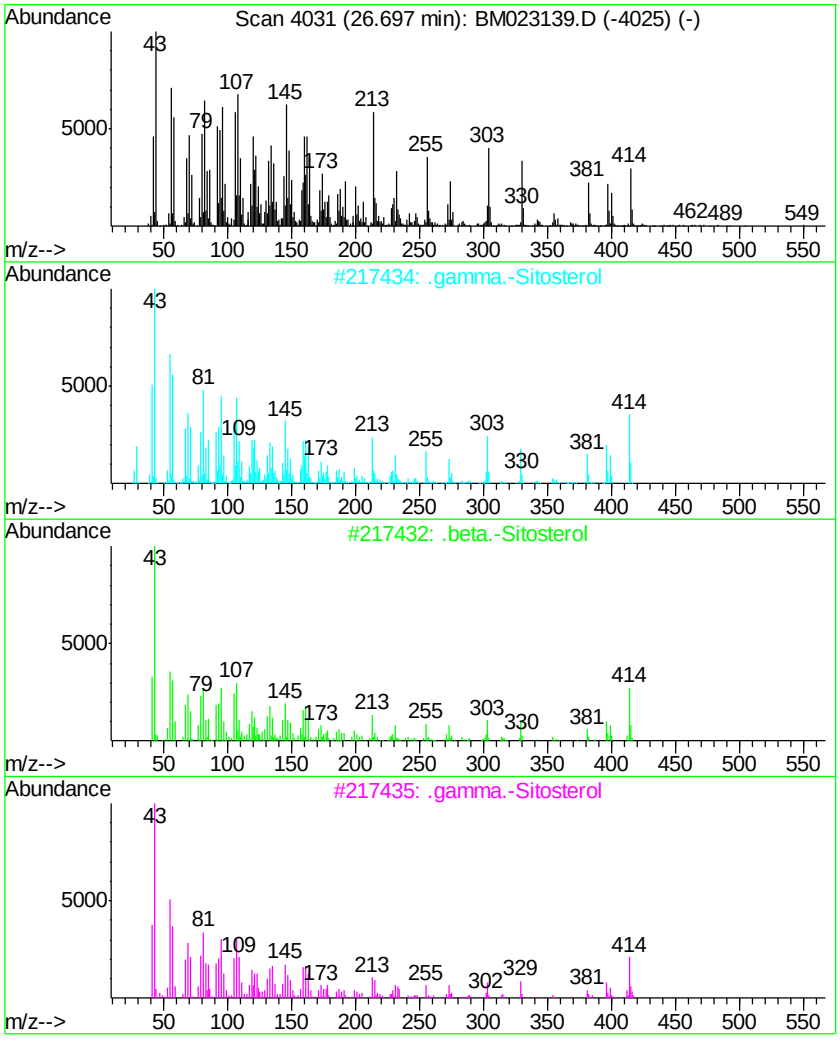
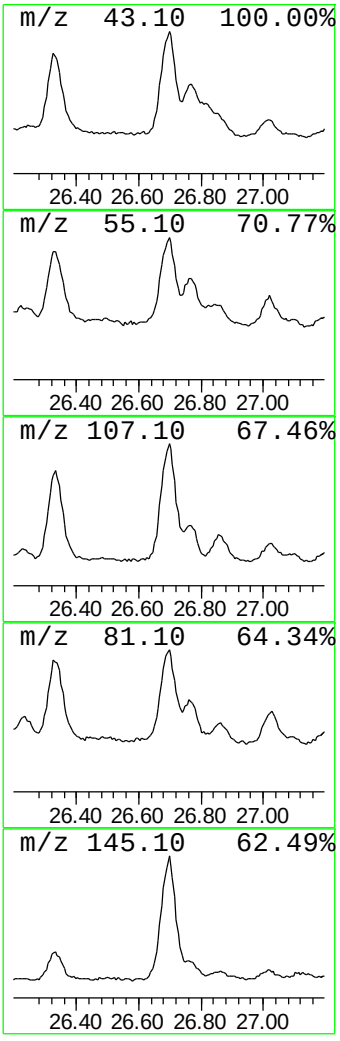
Peak Number 28 .gamma.-Sitosterol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.70	12.09 ng/ul	2672620	Perylene-d12	23.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	93
3	.gamma.-Sitosterol	414	C29H50O	000083-47-6	78
4	.beta.-Sitosterol	414	C29H50O	000083-46-5	58
5	5-Cholestene-3-ol, 24-methyl-	400	C28H48O	1000214-17-4	45





Tentatively Identified Compound (LSC) summary

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Data File : BM023139.D
Acq On : 11 Oct 2019 20:44
Operator : JU
Sample : K5124-02DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JLM51DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.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
9H-Fluoren-9-one	16.80	2.9	ng/ul	246159	4	17.14	1699030	20.0
Anthracene, 1,2,3...	16.90	2.5	ng/ul	214930	4	17.14	1699030	20.0
Acridine	17.34	2.6	ng/ul	223681	4	17.14	1699030	20.0
Anthracene, 2-met...	18.02	4.8	ng/ul	407069	4	17.14	1699030	20.0
Phenanthrene, 1-m...	18.07	8.1	ng/ul	688427	4	17.14	1699030	20.0
Anthracene, 1-met...	18.15	2.5	ng/ul	212528	4	17.14	1699030	20.0
4H-Cyclopenta[def...	18.22	9.0	ng/ul	764812	4	17.14	1699030	20.0
1H-Cyclopropa[l]p...	18.25	4.4	ng/ul	370733	4	17.14	1699030	20.0
Naphthalene, 2-ph...	18.52	3.8	ng/ul	318249	4	17.14	1699030	20.0
9,10-Anthracenedione	18.56	9.0	ng/ul	761096	4	17.14	1699030	20.0
unknown-01	18.72	2.2	ng/ul	183881	4	17.14	1699030	20.0
Anthracene, 2-ethyl-	18.77	2.2	ng/ul	184406	4	17.14	1699030	20.0
Naphthalic anhydride	18.94	3.2	ng/ul	273098	4	17.14	1699030	20.0
Phenanthrene, 2,7...	19.03	2.0	ng/ul	172205	4	17.14	1699030	20.0
Cyclopenta(def)ph...	19.08	3.9	ng/ul	328500	4	17.14	1699030	20.0
Pyrene, 1-methyl-	19.90	2.4	ng/ul	577903	5	21.33	4897890	20.0
Pyrene, 4-methyl-	20.22	2.5	ng/ul	621718	5	21.33	4897890	20.0
7H-Benz[de]anthra...	20.81	3.5	ng/ul	847962	5	21.33	4897890	20.0
(DEL) Alkane: Str...	21.05	10.2	ng/ul	2487670	5	21.33	4897890	20.0
Cyclopenta(cd)pyr...	21.49	2.5	ng/ul	610797	5	21.33	4897890	20.0
(DEL) Alkane: Str...	21.93	16.0	ng/ul	3913450	5	21.33	4897890	20.0
Octadecanal	22.62	23.1	ng/ul	5116510	6	23.59	4422470	20.0
Oxirane, heptadecyl-	23.79	27.5	ng/ul	6087820	6	23.59	4422470	20.0
(DEL) Alkane: Str...	24.14	55.9	ng/ul	12366800	6	23.59	4422470	20.0
1-Heptacosanol	24.22	32.6	ng/ul	7215590	6	23.59	4422470	20.0
Hexadecanal	25.34	48.5	ng/ul	10721800	6	23.59	4422470	20.0
.gamma.-Sitosterol	26.70	12.1	ng/ul	2672620	6	23.59	4422470	20.0