LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
Data File : BM023189.D
Acq On : 16 Oct 2019 11:57
Operator : JU
Sample : K5199-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP72

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.710	119	123	129	rVV	108734	143152	0.78%	0.061%
2	6.851	650	657	670	rBV	1445400	2535139	13.74%	1.079%
3	7.022	679	686	695	rBV	1142435	1873638	10.16%	0.797%
4	7.222	713	720	728	rBV	1602102	2509047	13.60%	1.068%
5	7.687	792	799	806	rVB	1619433	2530065	13.72%	1.077%
6	8.387	911	918	925	rBV	1824737	2894690	15.69%	1.232%
7	8.834	981	994	1005	rBV	1455387	2492278	13.51%	1.061%
8	9.551	1108	1116	1124	rBV	1120811	1829178	9.92%	0.778%
9	10.087	1195	1207	1220	rBV	2076034	3427720	18.58%	1.459%
10	10.469	1263	1272	1278	rBV	2321120	3879410	21.03%	1.651%
11	10.598	1287	1294	1305	rBV	971343	1747225	9.47%	0.744%
12	12.139	1548	1556	1564	rVB	93763	165488	0.90%	0.070%
13	12.357	1585	1593	1598	rBV	87472	141432	0.77%	0.060%
14	13.504	1781	1788	1795	rBV5	59700	151130	0.82%	0.064%
15	13.651	1804	1813	1818	rBV2	155552	265574	1.44%	0.113%
16	13.745	1823	1829	1833	rVV	3599927	5141715	27.87%	2.188%
17	13.792	1833	1837	1842	rVB	1510518	2077753	11.26%	0.884%
18	14.016	1868	1875	1886	rBV	4330310	6756891	36.63%	2.875%
19	14.327	1921	1928	1934	rVV2	3643295	5364376	29.08%	2.283%
20	14.392	1934	1939	1946	rVB	298794	456003	2.47%	0.194%
21	14.510	1953	1959	1972	rBV	840844	1354283	7.34%	0.576%
22	14.663	1977	1985	1989	rVV4	91980	246519	1.34%	0.105%
23	14.745	1990	1999	2005	rVV4	238769	555086	3.01%	0.236%
24	14.957	2029	2035	2040	rBV	90795	177536	0.96%	0.076%
25	15.163	2066	2070	2074	rVV2	159286	226370	1.23%	0.096%
26	15.216	2074	2079	2084	rVB	728086	960370	5.21%	0.409%
27	15.321	2086	2097	2102	rBV	5610562	8108482	43.96%	3.451%
28	15.363	2102	2104	2111	rVB2	450700	817903	4.43%	0.348%
29	15.433	2111	2116	2121	rBV	921411	1258634	6.82%	0.536%
30	15.545	2131	2135	2140	rVV4	90858	213487	1.16%	0.091%
31	15.821	2179	2182	2190	rVV3	104508	232614	1.26%	0.099%
32	15.904	2190	2196	2204	rVV7	96136	228483	1.24%	0.097%
33	16.045	2215	2220	2224	rBV4	83421	196133	1.06%	0.083%
34	16.110	2228	2231	2237	rVB4	91452	139517	0.76%	0.059%

LSC Area Percent Report

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Data File : BM023189.D
Acq On : 16 Oct 2019 11:57
Operator : JU
Sample : K5199-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP72

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

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

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

35	16.380	2268	2277	2282	rBV5	159330	430416	2.33%	0.183%
36	16.433	2282	2286	2290	rVV4	133941	206560	1.12%	0.088%
37	16.616	2314	2317	2320	rVV2	95712	142253	0.77%	0.061%
38	16.651	2320	2323	2327	rVV3	138503	198883	1.08%	0.085%
39	16.721	2331	2335	2344	rVB2	178920	333296	1.81%	0.142%
40	16.810	2346	2350	2356	rBV3	107688	241299	1.31%	0.103%
41	16.886	2358	2363	2367	rVB2	225785	373474	2.02%	0.159%
42	17.068	2388	2394	2398	rBV2	4099799	6056537	32.83%	2.577%
43	17.110	2398	2401	2406	rVV	4278077	5943683	32.22%	2.529%
44	17.168	2406	2411	2415	rVV	5897292	8308392	45.04%	3.536%
45	17.204	2415	2417	2422	rVB	899905	975754	5.29%	0.415%
46	17.263	2423	2427	2433	rBV3	206079	390827	2.12%	0.166%
47	17.468	2458	2462	2467	rVB	282320	413428	2.24%	0.176%
48	17.604	2481	2485	2489	rBV3	354343	501378	2.72%	0.213%
49	17.651	2489	2493	2503	rVB3	325359	554070	3.00%	0.236%
50	17.798	2514	2518	2523	rVB	174231	309462	1.68%	0.132%
51	17.945	2538	2543	2547	rBV	1005038	1521869	8.25%	0.648%
52	17.998	2547	2552	2558	rVB	2123038	2956082	16.03%	1.258%
53	18.062	2558	2563	2570	rBV2	945892	1587705	8.61%	0.676%
54	18.139	2570	2576	2580	rBV2	1755578	3290590	17.84%	1.400%
55	18.174	2580	2582	2586	rVB	782240	923355	5.01%	0.393%
56	18.451	2625	2629	2631	rBV2	598148	777327	4.21%	0.331%
57	18.480	2631	2634	2646	rVB2	784580	1299768	7.05%	0.553%
58	18.580	2648	2651	2654	rBV	171125	213254	1.16%	0.091%
59	18.698	2668	2671	2676	rVB	390025	537606	2.91%	0.229%
60	18.751	2677	2680	2683	rBV	341928	375558	2.04%	0.160%
61	18.874	2696	2701	2705	rBV	1056256	1693884	9.18%	0.721%
62	18.933	2706	2711	2714	rBV4	579854	1022977	5.55%	0.435%
63	19.009	2720	2724	2732	rVB4	899281	1619466	8.78%	0.689%
64	19.133	2740	2745	2750	rVB	8853720	11704826	63.45%	4.981%
65	19.209	2755	2758	2760	rBV	275455	368088	2.00%	0.157%
66	19.286	2767	2771	2775	rBV3	673383	993351	5.39%	0.423%
67	19.468	2797	2802	2804	rBV	7036529	10358997	56.16%	4.408%
68	19.498	2804	2807	2815	rVB	8516834	11150192	60.45%	4.745%
69	19.674	2834	2837	2840	rBV2	474398	530879	2.88%	0.226%
70	19.733	2844	2847	2854	rVB2	885542	1353277	7.34%	0.576%
71	19.827	2858	2863	2868	rBV2	757198	1664083	9.02%	0.708%

LSC Area Percent Report

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Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP72

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

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Peak separation: 5

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

72	19.956	2882	2885	2887	rBV2	524284	702538	3.81%	0.299%
73	19.992	2888	2891	2896	rVB2	1626273	2320754	12.58%	0.988%
74	20.051	2898	2901	2905	rBV4	335834	470942	2.55%	0.200%
75	20.092	2905	2908	2913	rVB	1066289	1346738	7.30%	0.573%
76	20.151	2914	2918	2922	rBV2	1232458	1637909	8.88%	0.697%
77	20.292	2938	2942	2946	rBV	774163	1034792	5.61%	0.440%
78	20.339	2946	2950	2955	rBV	882595	1266204	6.86%	0.539%
79	20.739	3015	3018	3022	rBV	485592	638367	3.46%	0.272%
80	20.903	3041	3046	3050	rBV3	921520	1624380	8.81%	0.691%
81	20.945	3050	3053	3056	rVV	860618	1045067	5.67%	0.445%
82	20.980	3056	3059	3060	rVV	746649	756071	4.10%	0.322%
83	21.003	3061	3063	3075	rVB5	1579774	3405293	18.46%	1.449%
84	21.209	3094	3098	3101	rBV	16176286	18446111	100.00%	7.850%
85	21.251	3101	3105	3110	rVV2	6177749	12292952	66.64%	5.231%
86	21.298	3110	3113	3120	rVB	4773707	5929750	32.15%	2.523%
87	21.415	3130	3133	3136	rBV2	738101	1067147	5.79%	0.454%
88	21.451	3137	3139	3144	rVB4	743547	973048	5.28%	0.414%
89	21.809	3198	3200	3204	rVB	1038011	1134598	6.15%	0.483%
90	21.862	3206	3209	3212	rVB	596317	638088	3.46%	0.272%
91	21.898	3212	3215	3218	rBV	480614	552852	3.00%	0.235%
92	22.356	3291	3293	3298	rVB	598735	682268	3.70%	0.290%
93	22.821	3366	3372	3376	rBV	3266355	7180028	38.92%	3.055%
94	23.286	3447	3451	3455	rBV	1750905	2928999	15.88%	1.246%
95	23.339	3455	3460	3464	rVV	3113682	5487525	29.75%	2.335%
96	23.386	3464	3468	3473	rVB	2947264	4878466	26.45%	2.076%
97	23.474	3474	3483	3489	rBV	2199254	5048642	27.37%	2.148%
98	24.097	3585	3589	3595	rVB	468787	829702	4.50%	0.353%
99	25.703	3854	3862	3875	rVB2	1676759	5102434	27.66%	2.171%
100	26.380	3970	3977	3988	rVB2	1099851	3145695	17.05%	1.339%

Sum of corrected areas: 234987527

LSC Report - Integrated Chromatogram

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Data File : BM023189.D
Acq On : 16 Oct 2019 11:57
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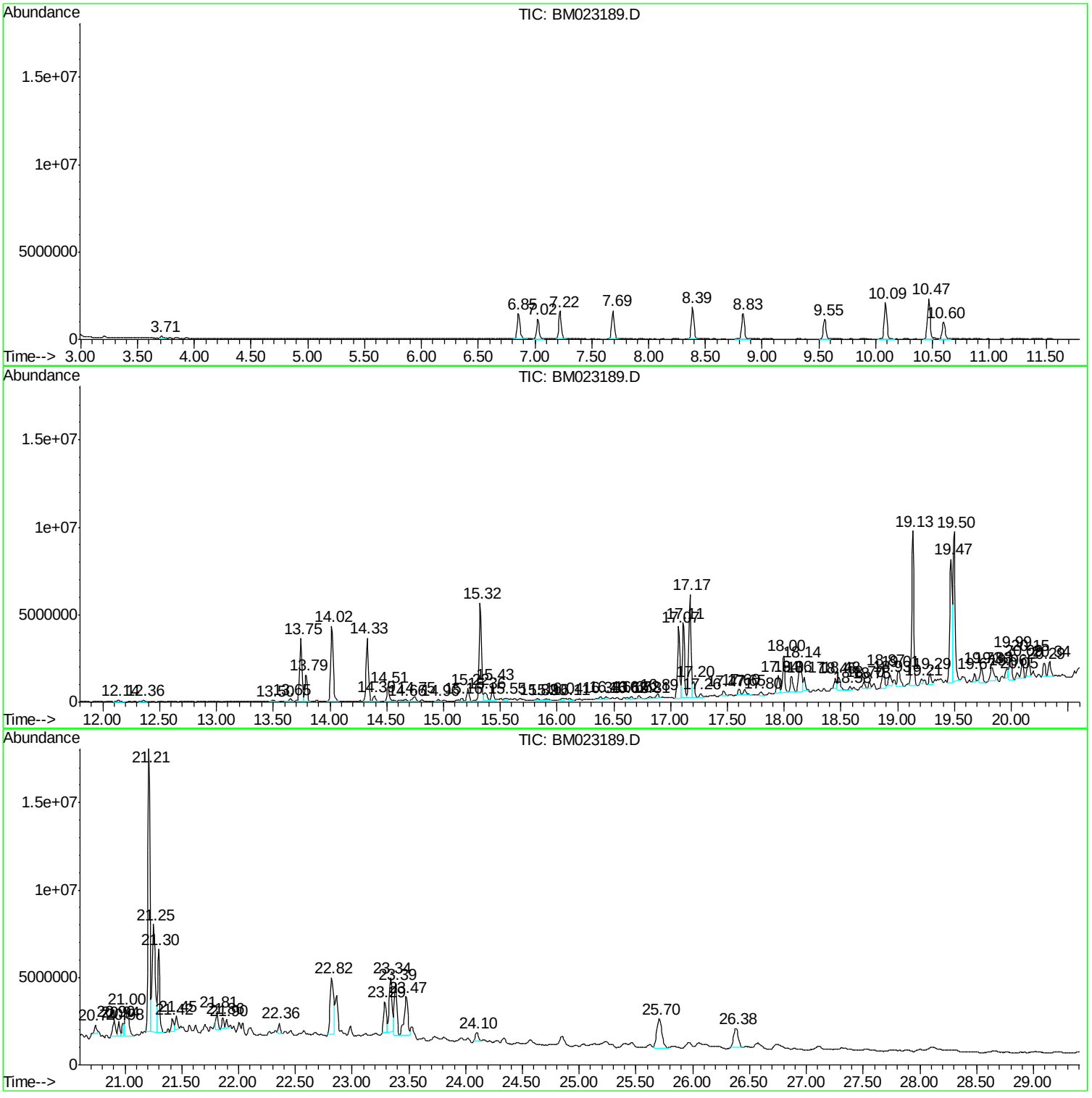
Sample : K5199-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP72

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

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



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

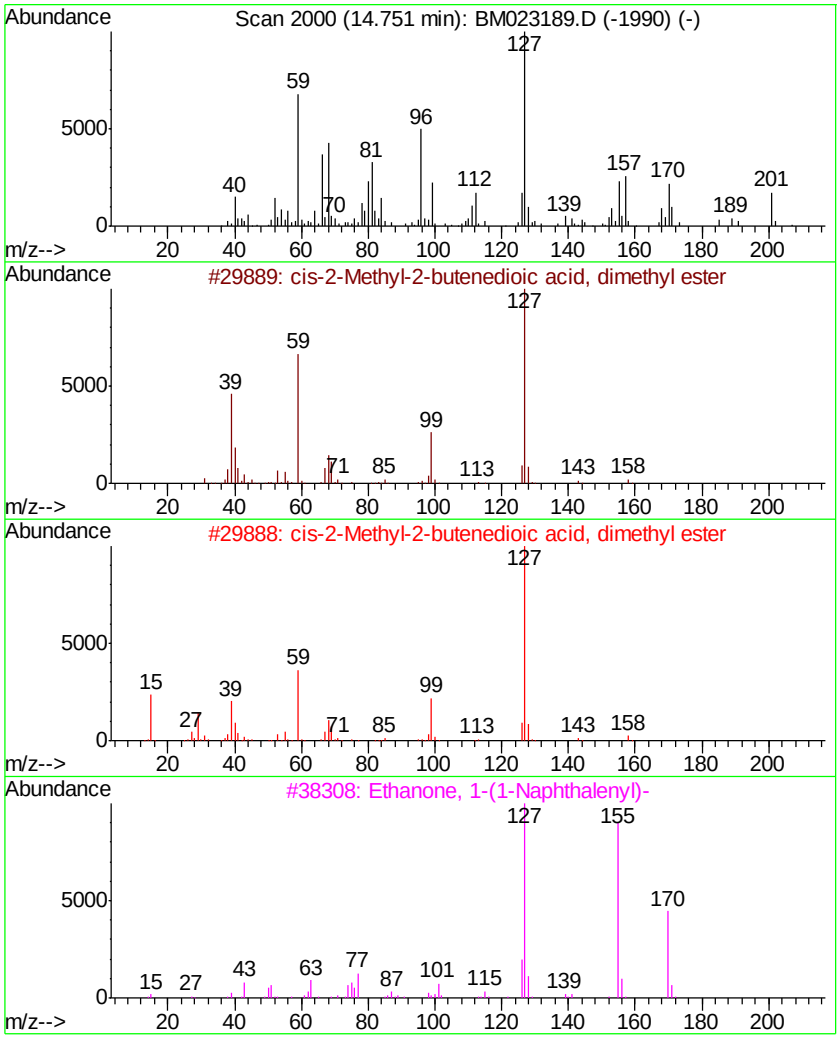
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

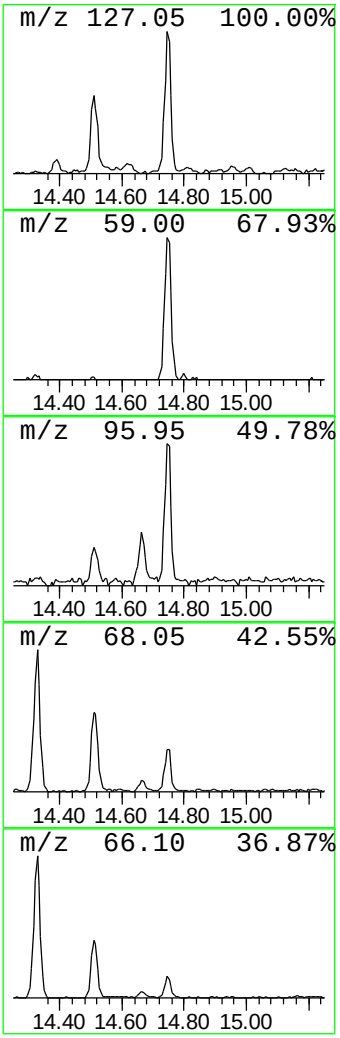
****

Peak Number 1 unknown-01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	2.07 ng/ul	555086	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-2-Methyl-2-butenedioic acid,...	158	C7H10O4	000617-54-9	18
2	cis-2-Methyl-2-butenedioic acid,...	158	C7H10O4	000617-54-9	11
3	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	10
4	1-[2-(2,4-Difluoro-phenyl)-oxira...	237	C11H9F2N3O	1000372-55-7	10
5	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
Data File : BM023189.D
Acq On : 16 Oct 2019 11:57
Operator : JU
Sample : K5199-05
Misc :
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Instrument : BNA_M
ClientSampleId : BEP72

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

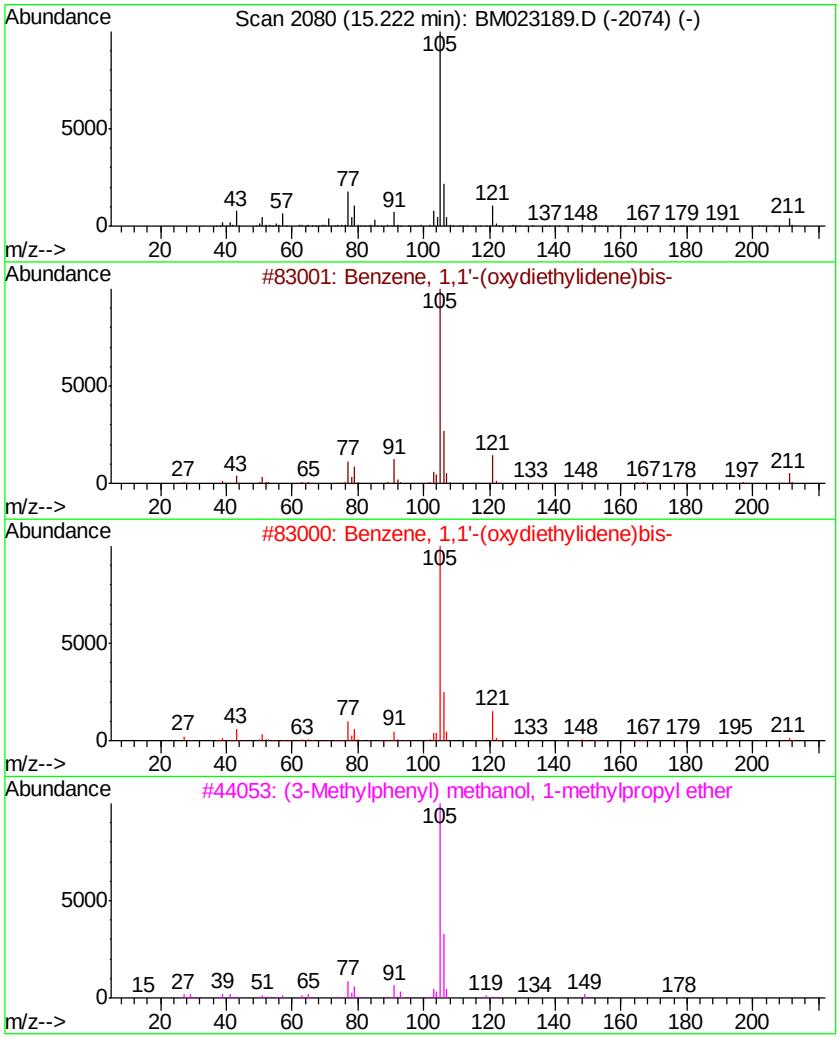
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

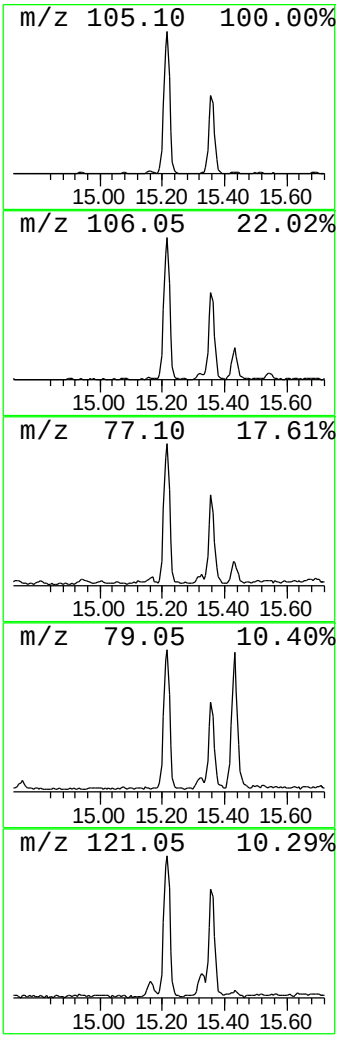
****

Peak Number 2 Benzene, 1,1'-(oxydiethylid... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	3.58 ng/ul	960370	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(oxydiethylidene)bis-	226	C16H18O	000093-96-9	83
2	Benzene, 1,1'-(oxydiethylidene)bis-	226	C16H18O	000093-96-9	64
3	(3-Methylphenyl) methanol, 1-met...	178	C12H18O	1000374-58-5	64
4	(4-Methylphenyl) methanol, 1-met...	178	C12H18O	1000374-65-6	59
5	(2-Methylphenyl) methanol, 1-met...	178	C12H18O	1000374-44-3	59





Library Search Compound Report

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

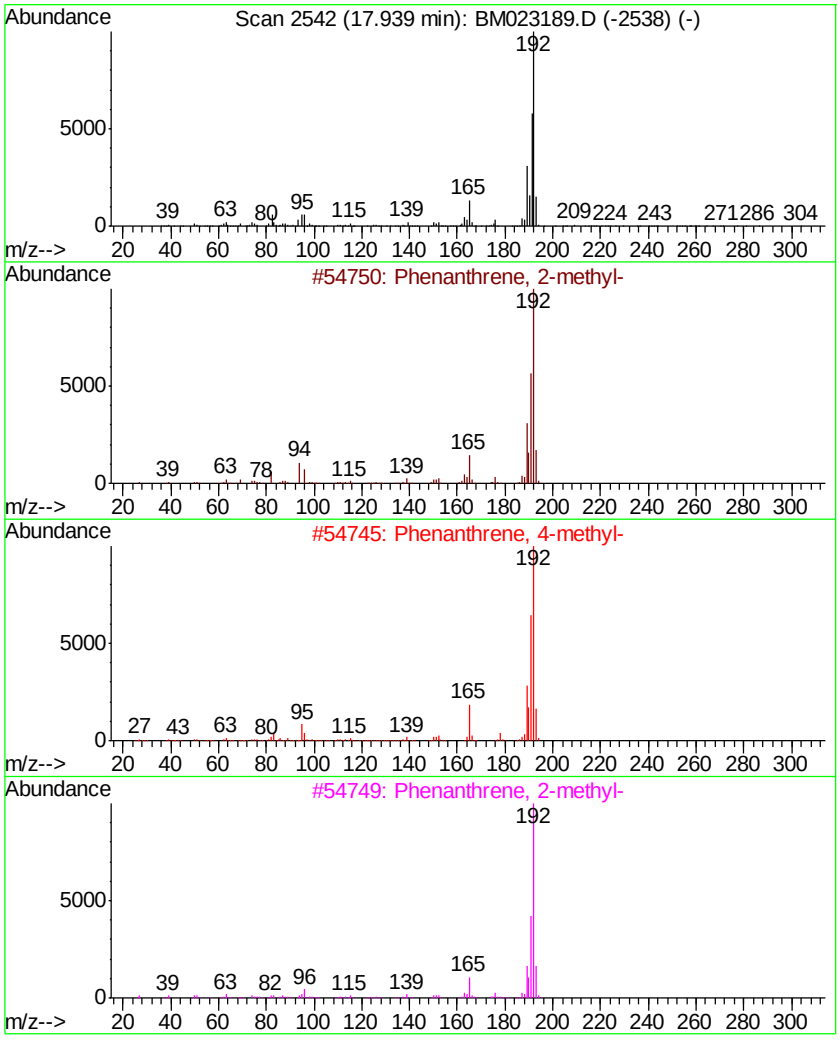
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

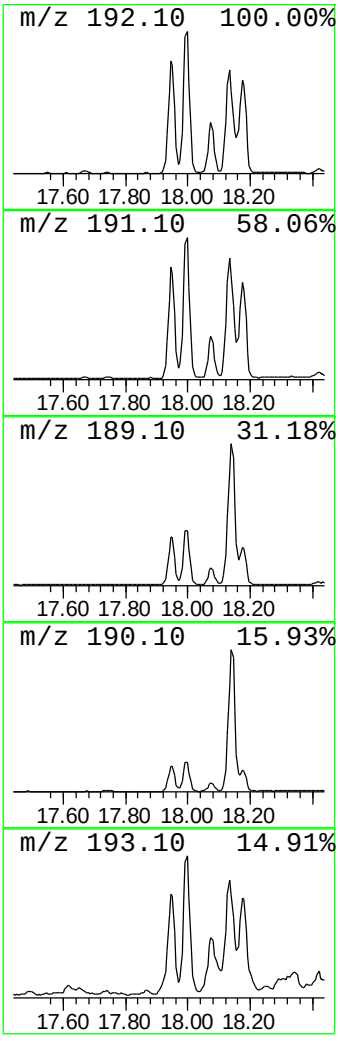
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	5.03 ng/ul	1521870	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Quant Title : SVOA CALIBRATION

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

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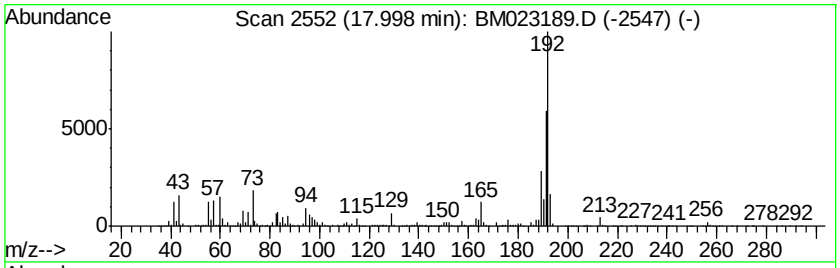
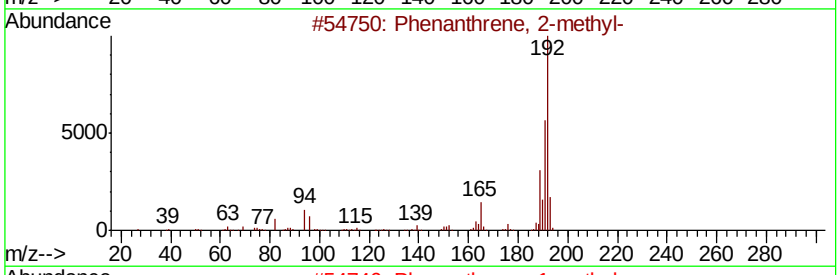
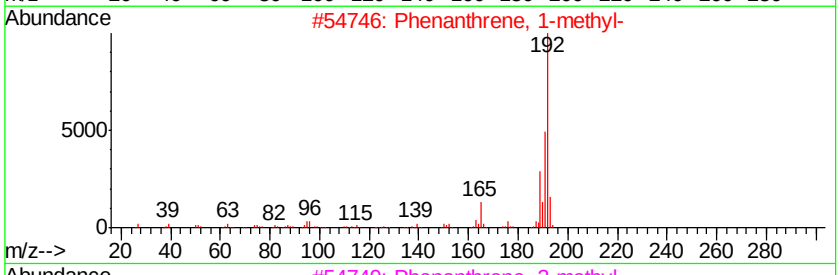
Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 3

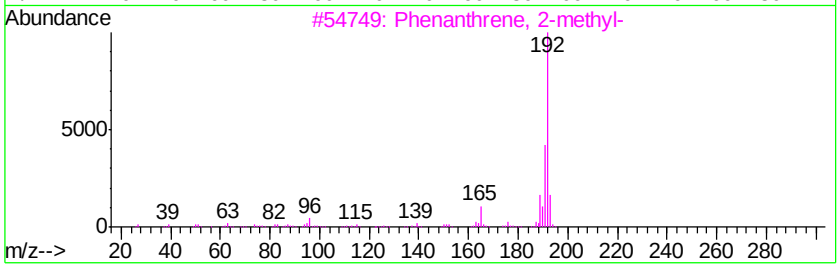
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	9.76 ng/ul	2956080	Phenanthrene-d10	17.07

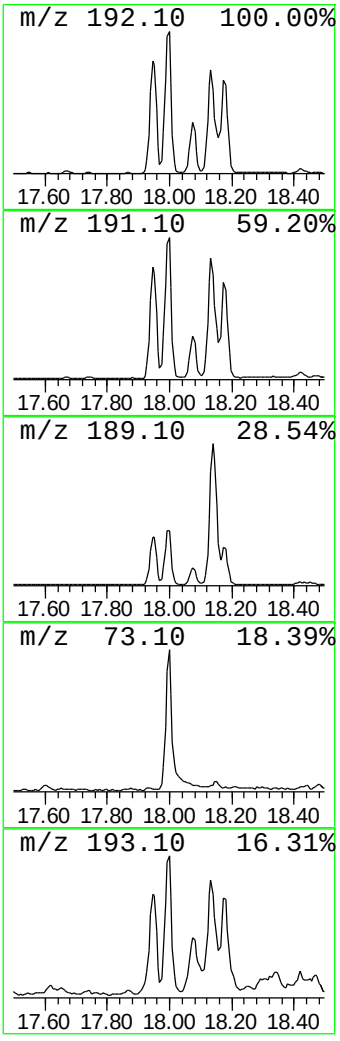
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96











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Instrument : BNA_M
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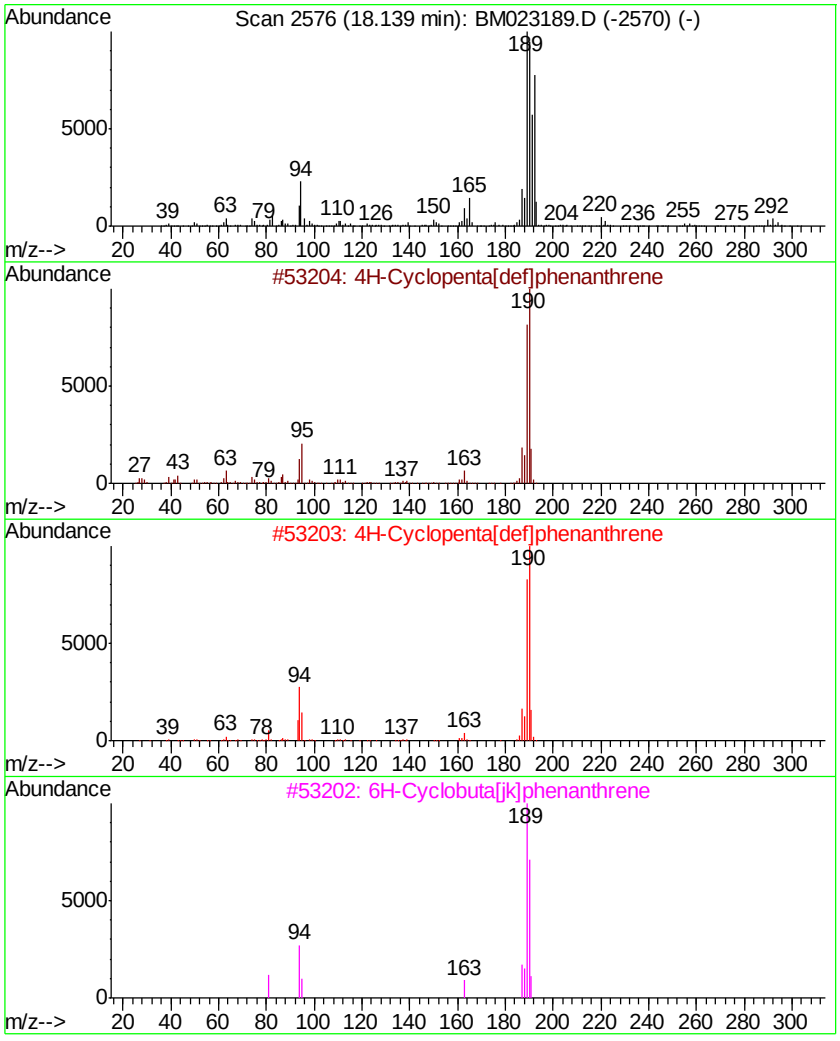
Quant Title : SVOA CALIBRATION

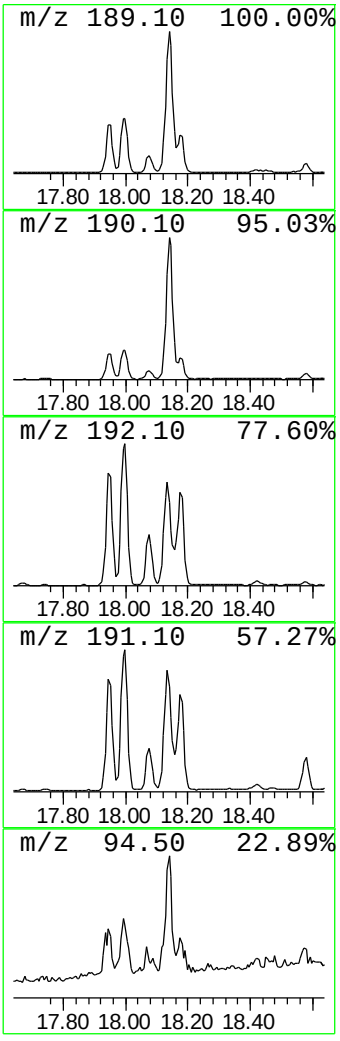
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	10.87 ng/ul	3290590	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	30





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Operator : JU
Sample : K5199-05
Misc :
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Instrument : BNA_M
ClientSampleId : BEP72

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Quant Title : SVOA CALIBRATION

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

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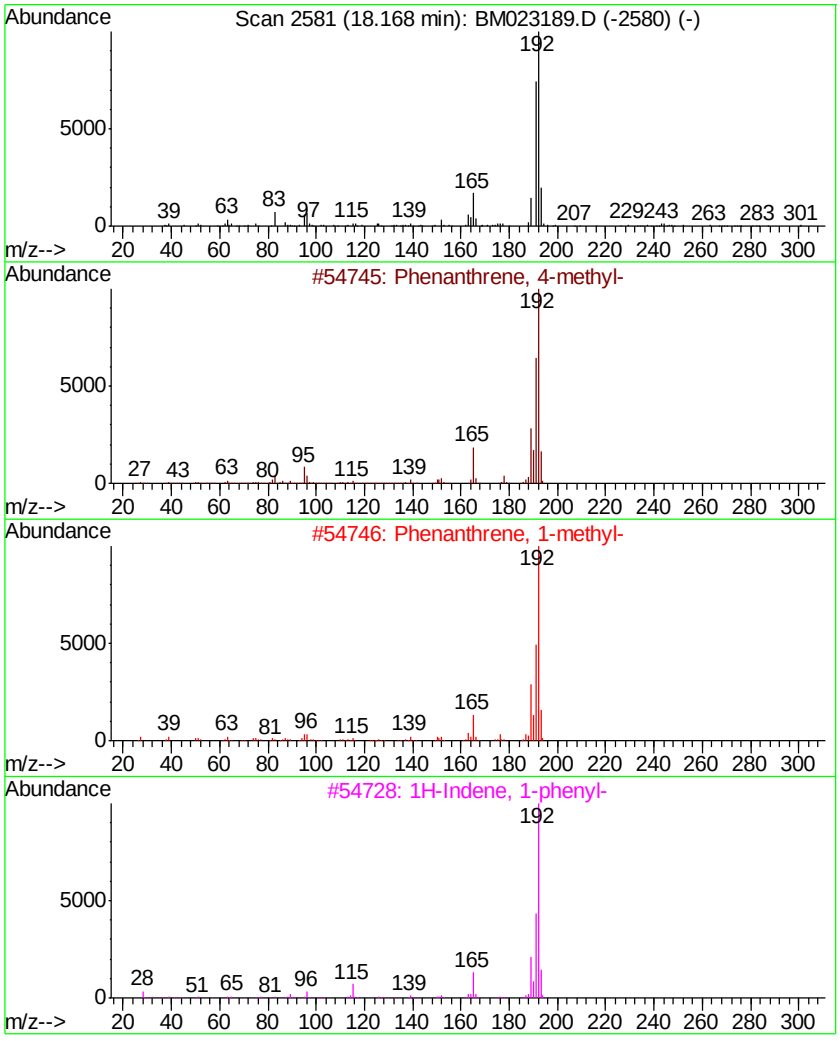
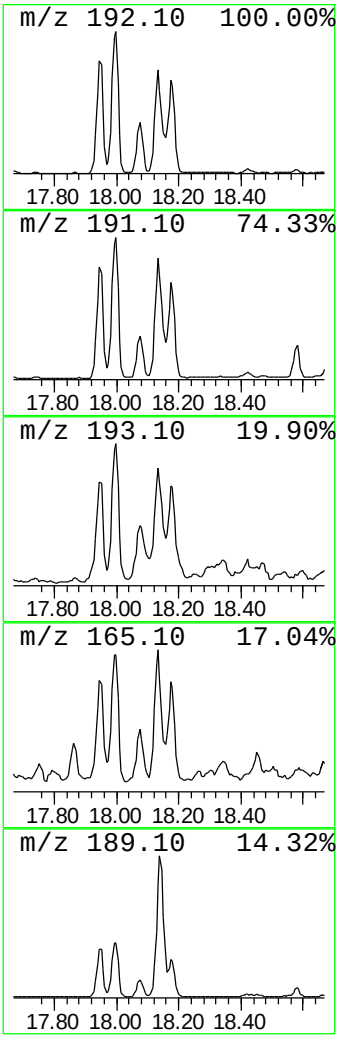
Peak Number 6 Phenanthrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	3.05 ng/ul	923355	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	87





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Quant Title : SVOA CALIBRATION

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

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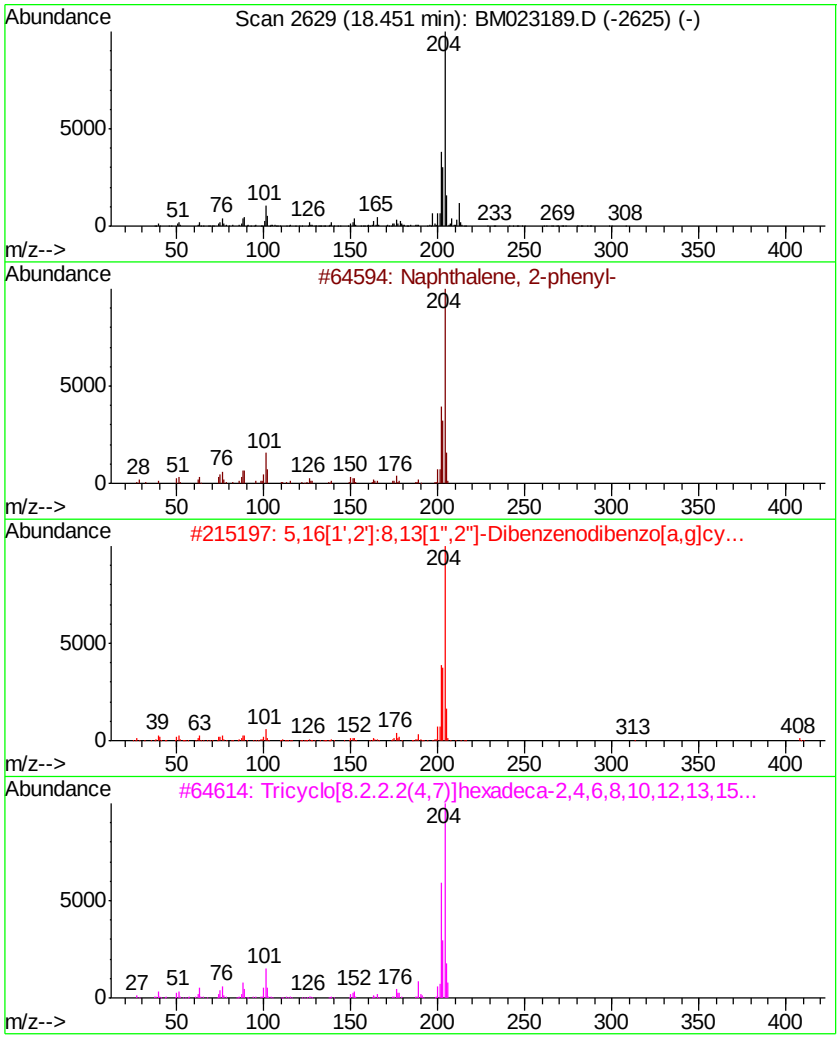
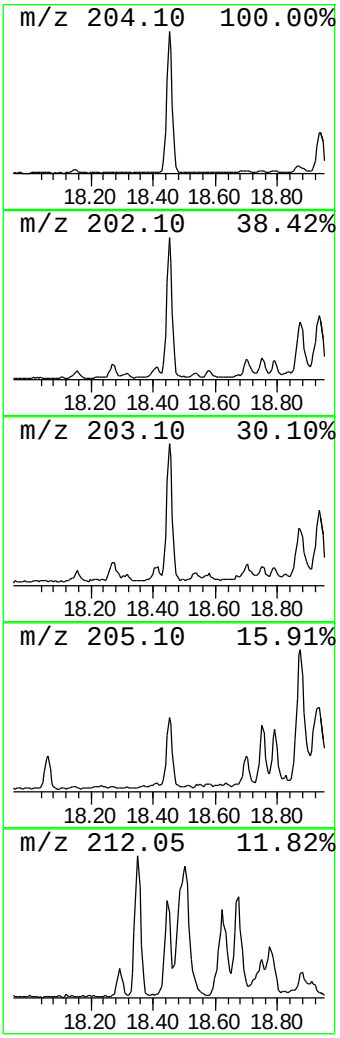
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	2.57 ng/ul	777327	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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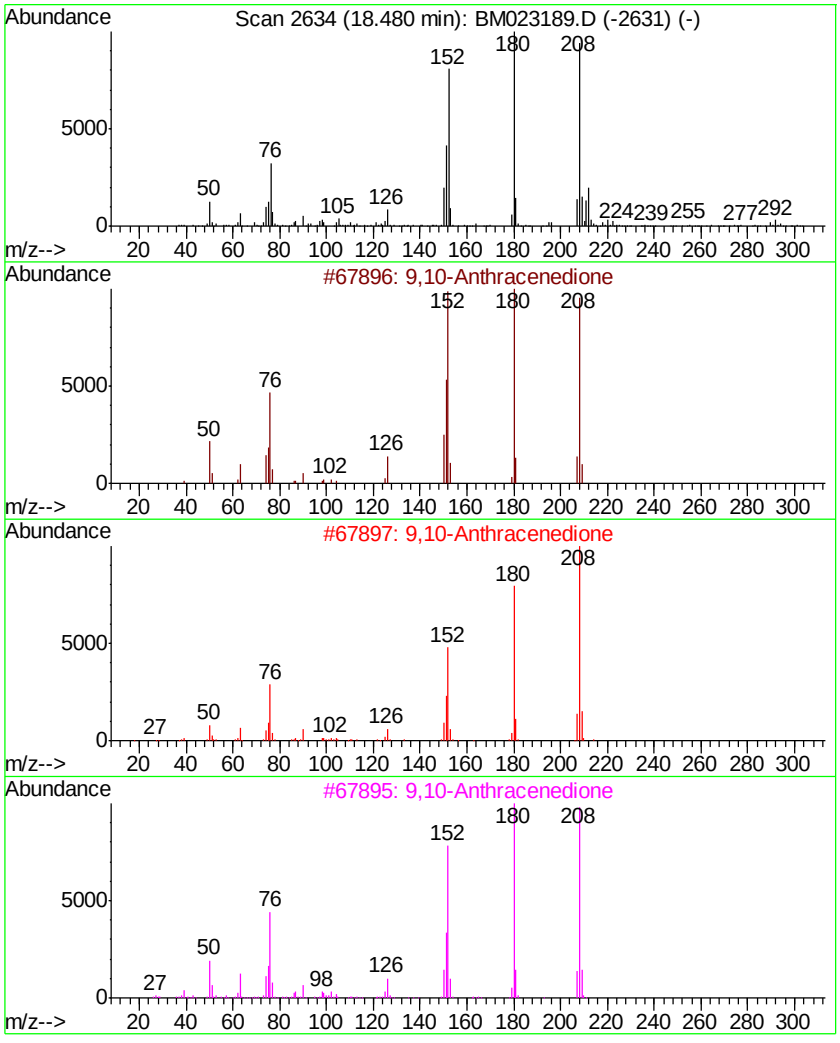
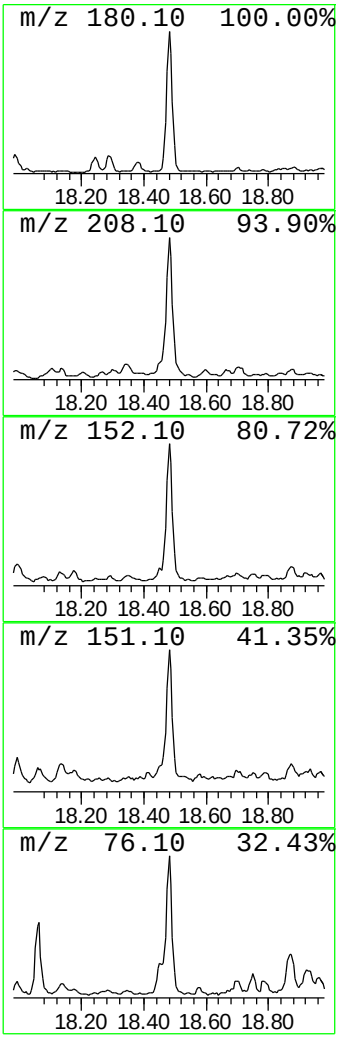
Peak Number 8 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	4.29 ng/ul	1299770	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	58





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Quant Title : SVOA CALIBRATION

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TIC Integration Parameters: LSCINT.P

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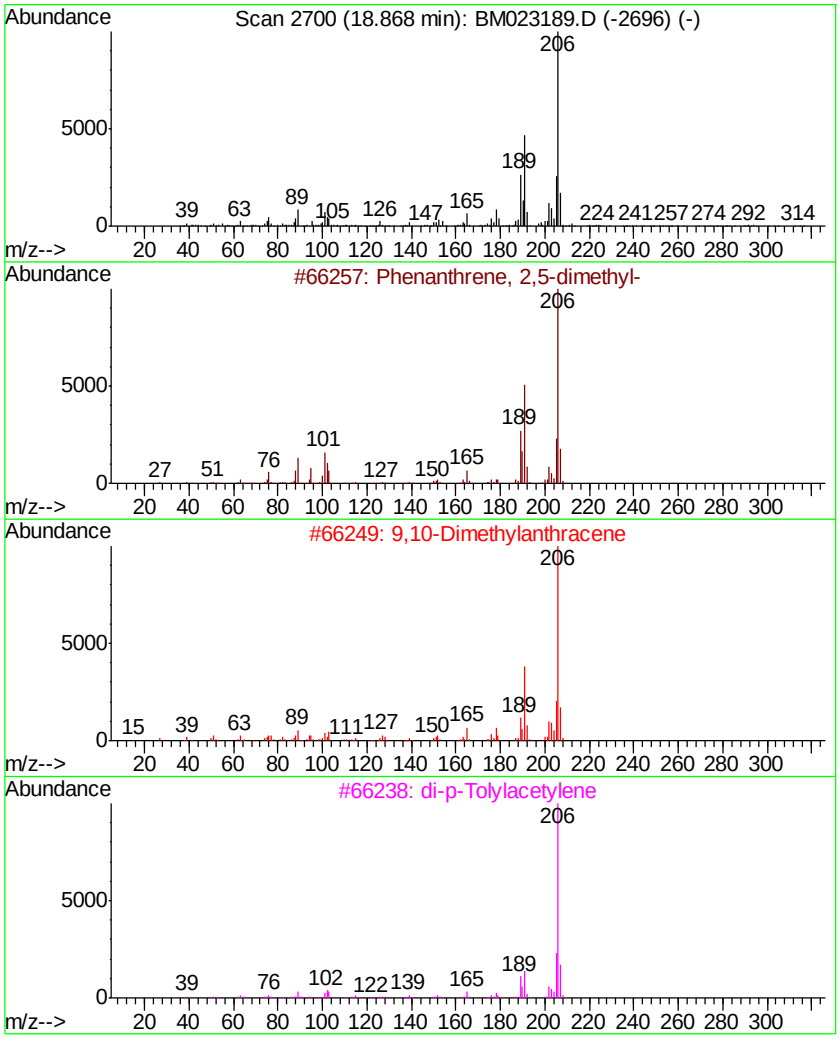
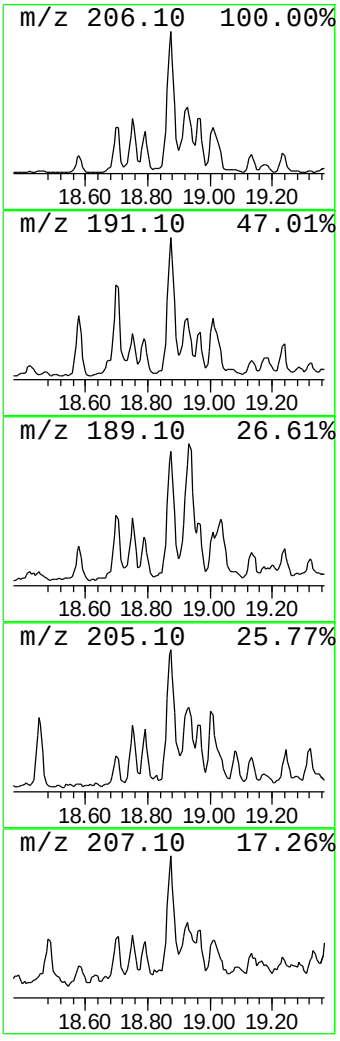
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	5.59 ng/ul	1693880	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Quant Title : SVOA CALIBRATION

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

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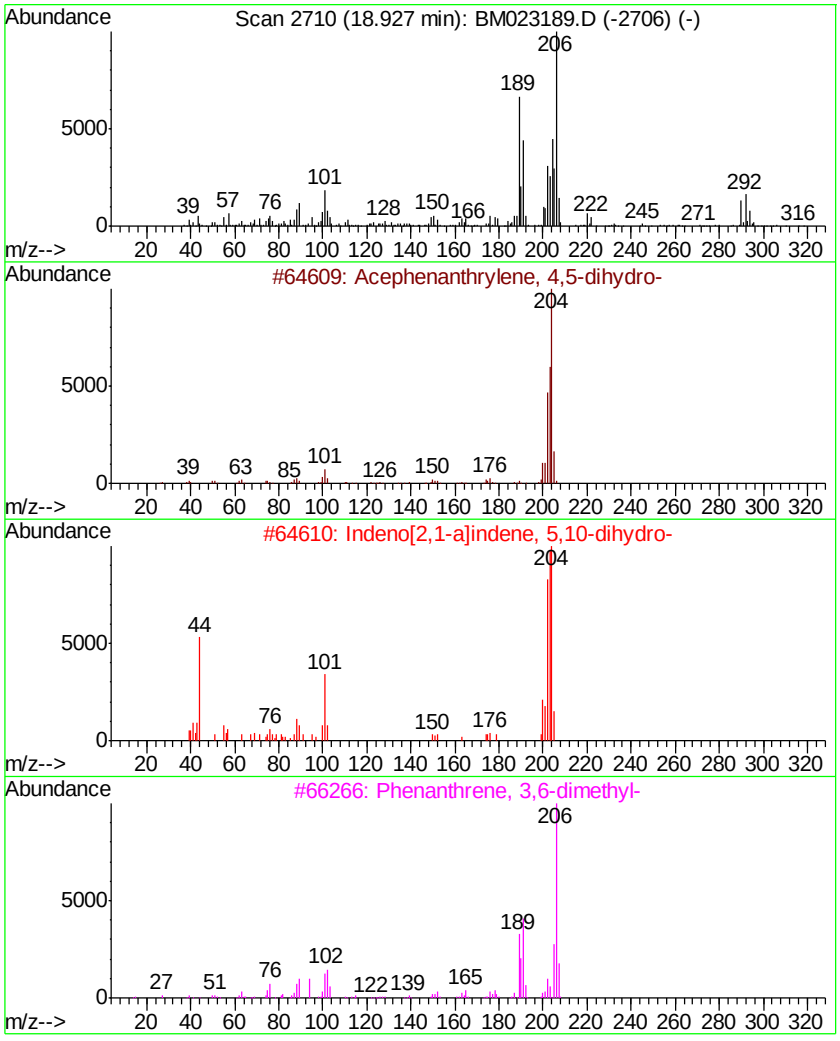
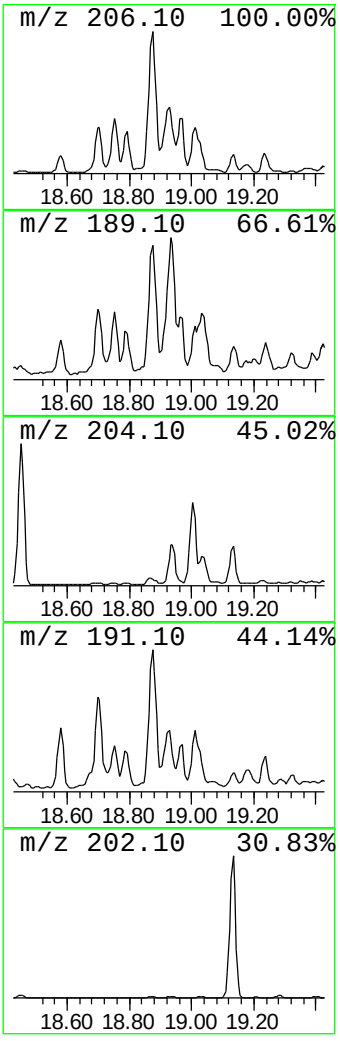
Peak Number 10 Acephenanthrylene, 4,5-dihy... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	3.38 ng/ul	1022980	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	66
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	44
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	30





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Quant Title : SVOA CALIBRATION

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

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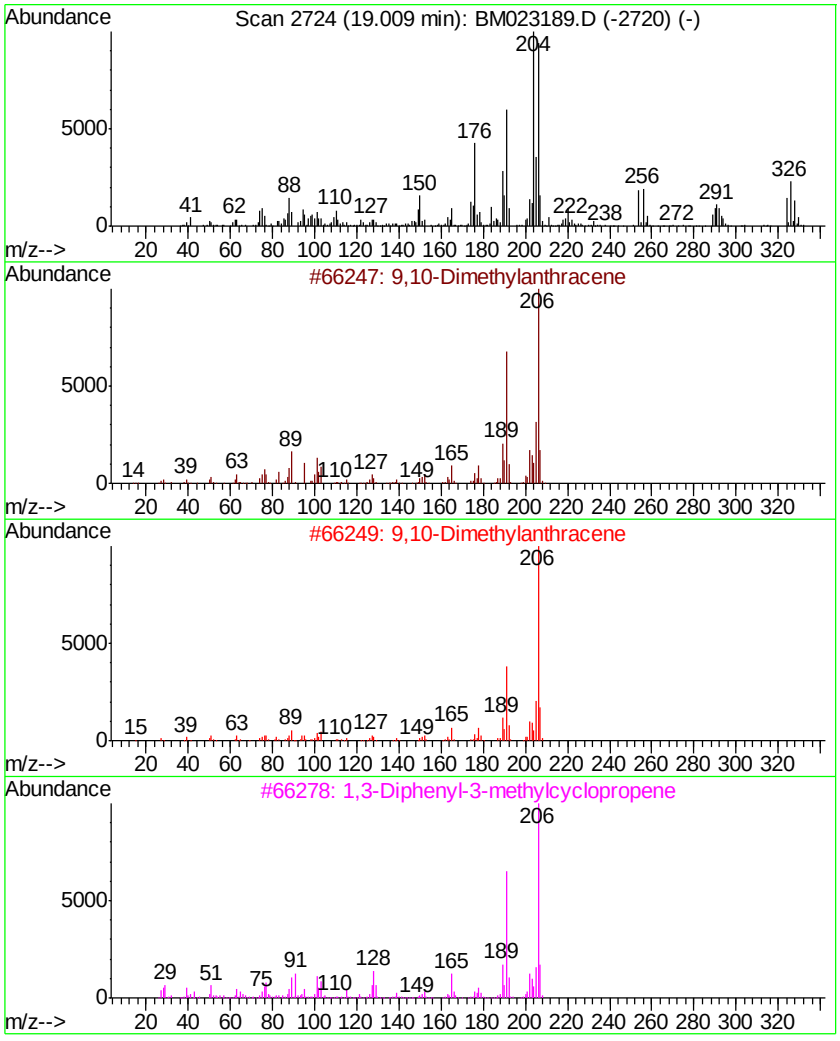
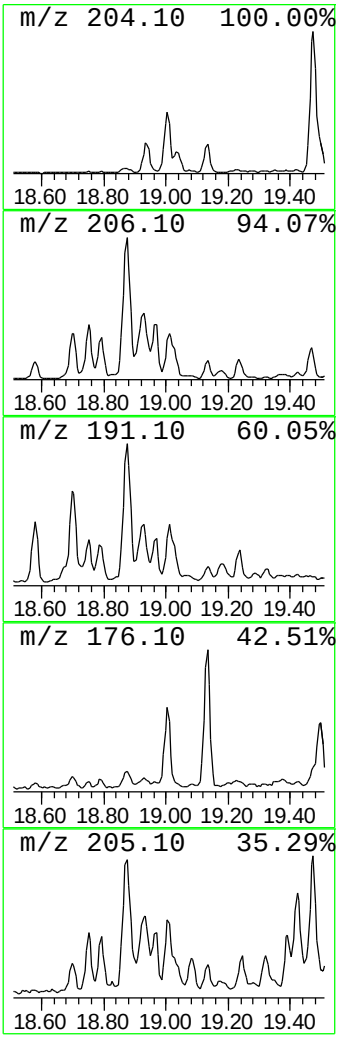
Peak Number 11 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	5.35 ng/ul	1619470	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	60
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	55
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	49
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	42





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Quant Title : SVOA CALIBRATION

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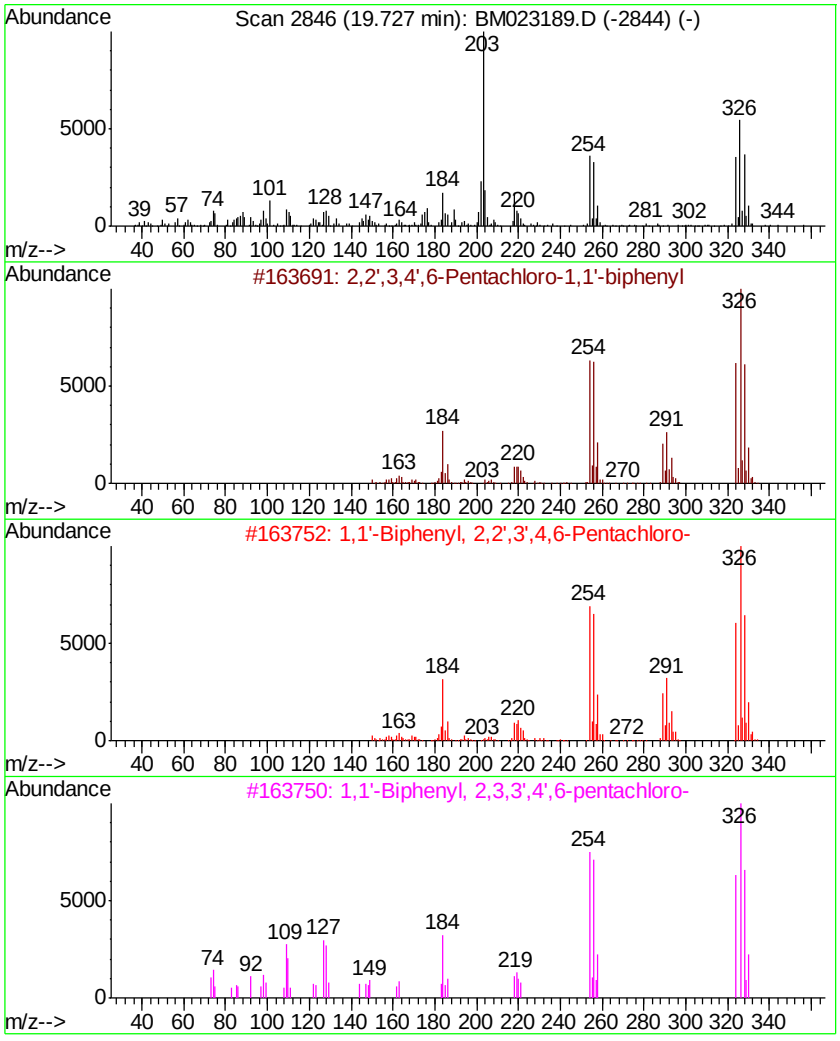
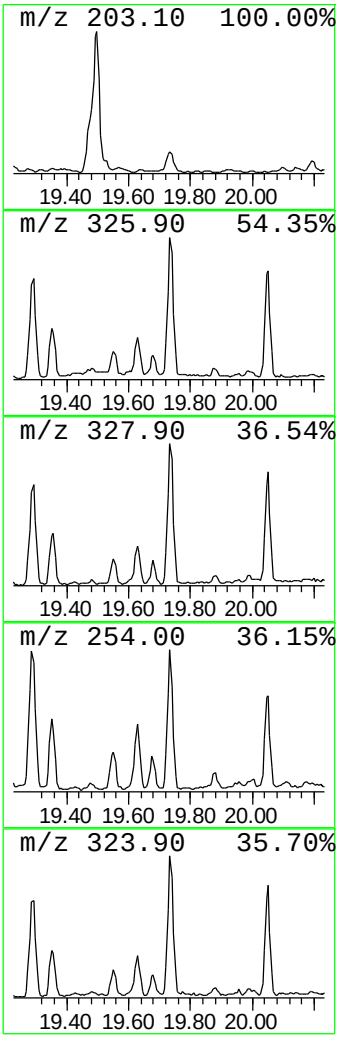
Peak Number 12 2,2',3,4',6-Pentachloro-1,1... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.73	2.20 ng/ul	1353280	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,4',6-Pentachloro-1,1'-bip...	324	C12H5Cl5	068194-05-8	99
2	1,1'-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	99
3	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
4	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
5	1,1'-Biphenyl, 2,3',4,4',6-Penta...	324	C12H5Cl5	056558-17-9	98





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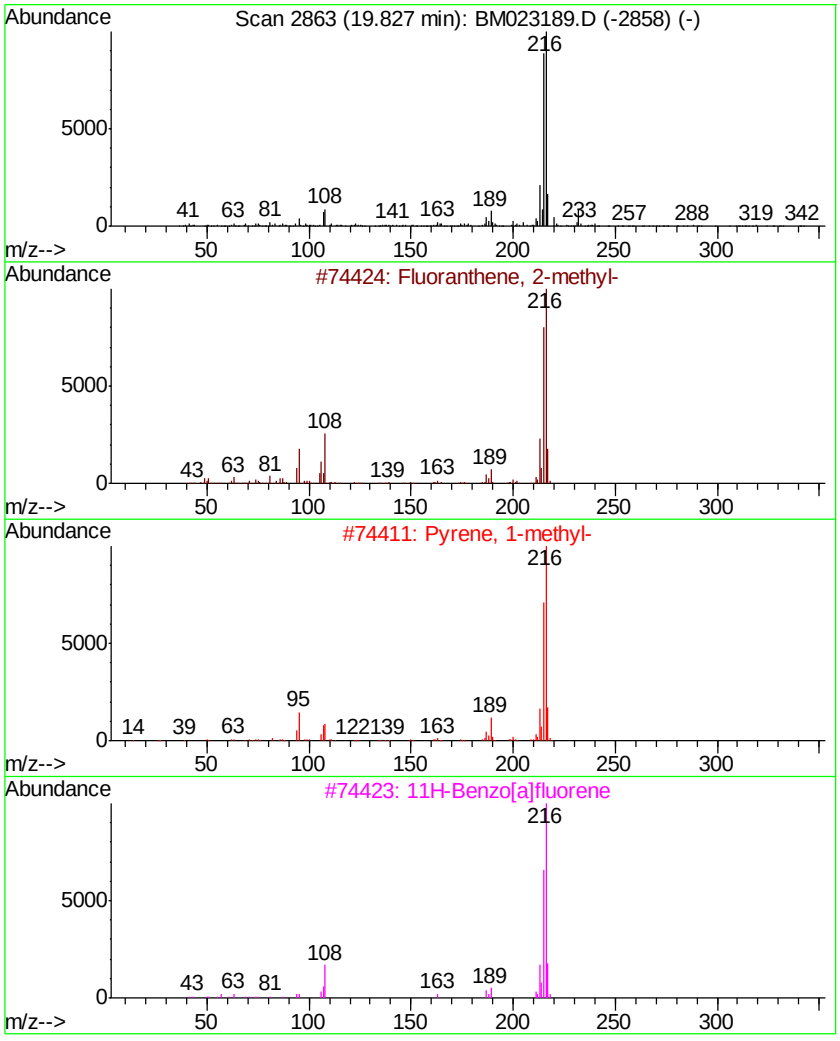
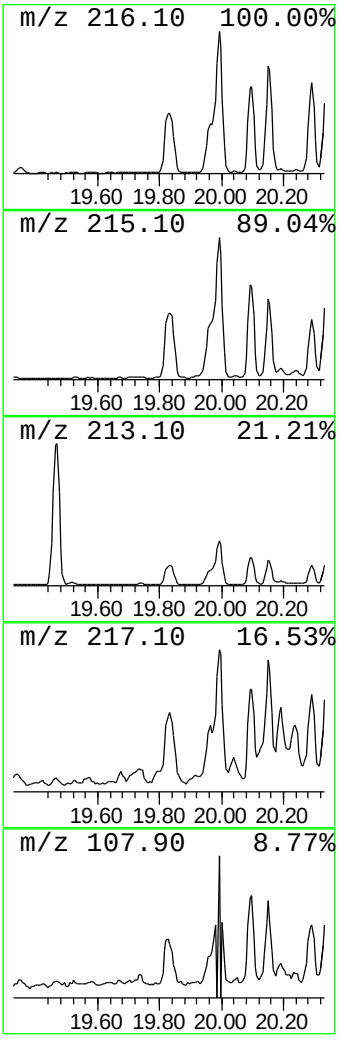
Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	2.71 ng/ul	1664080	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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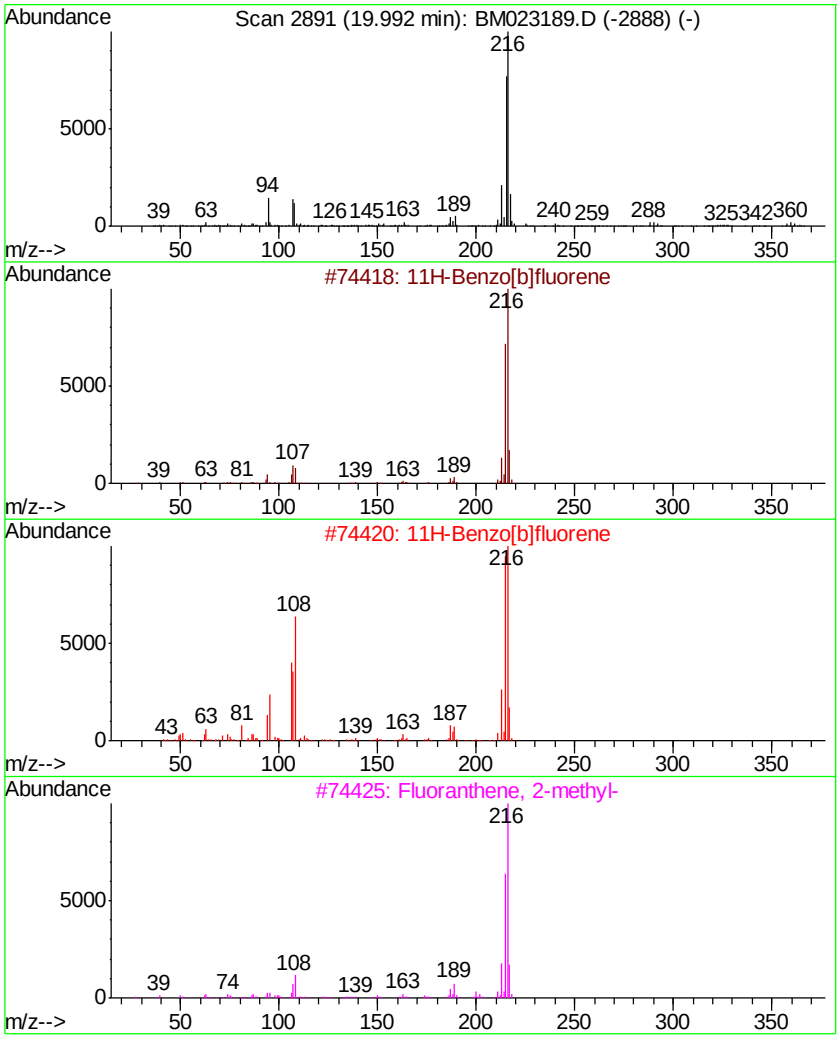
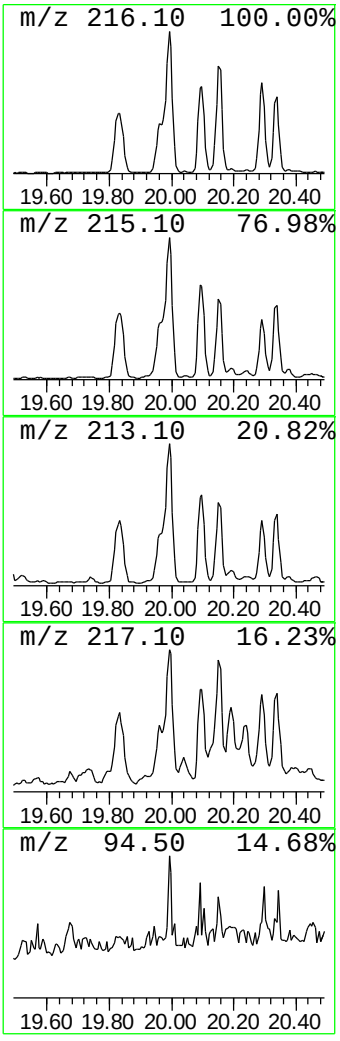
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	3.78 ng/ul	2320750	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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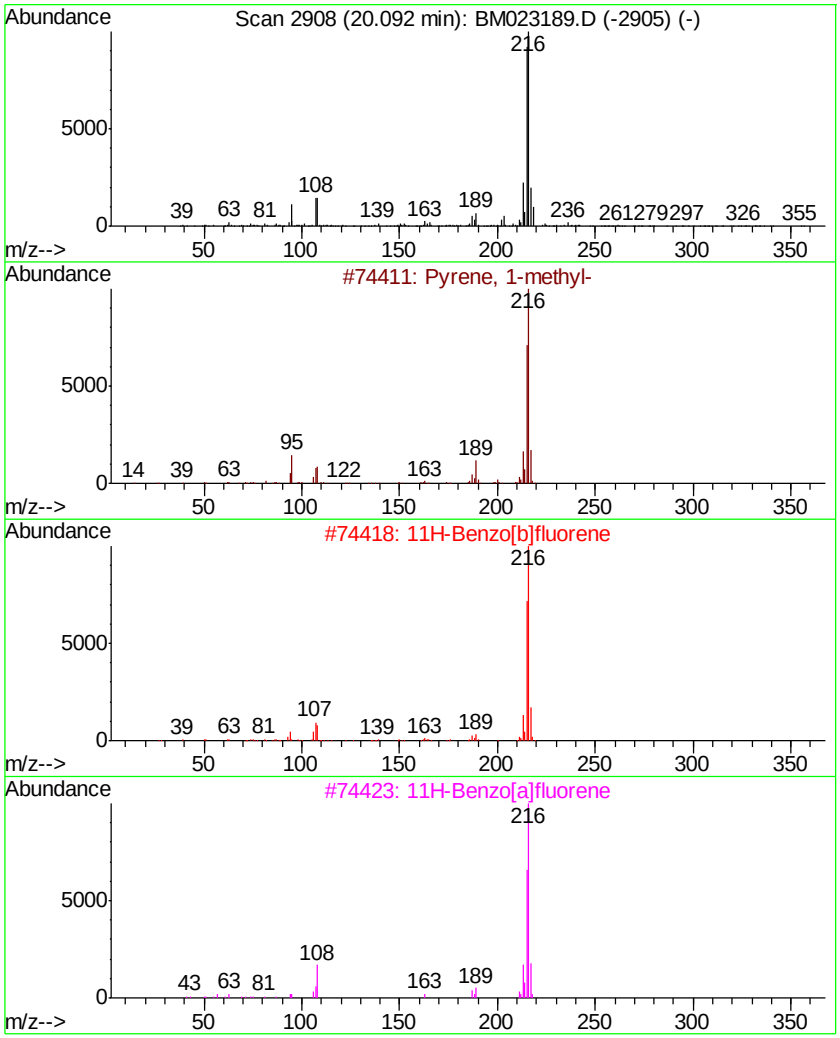
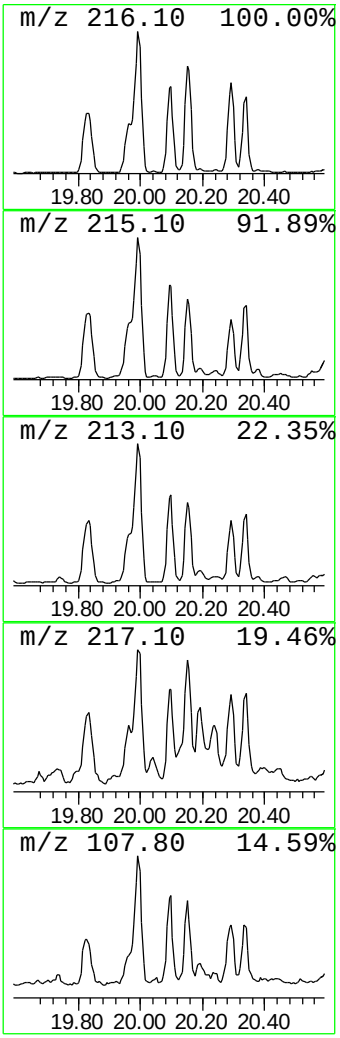
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	2.19 ng/ul	1346740	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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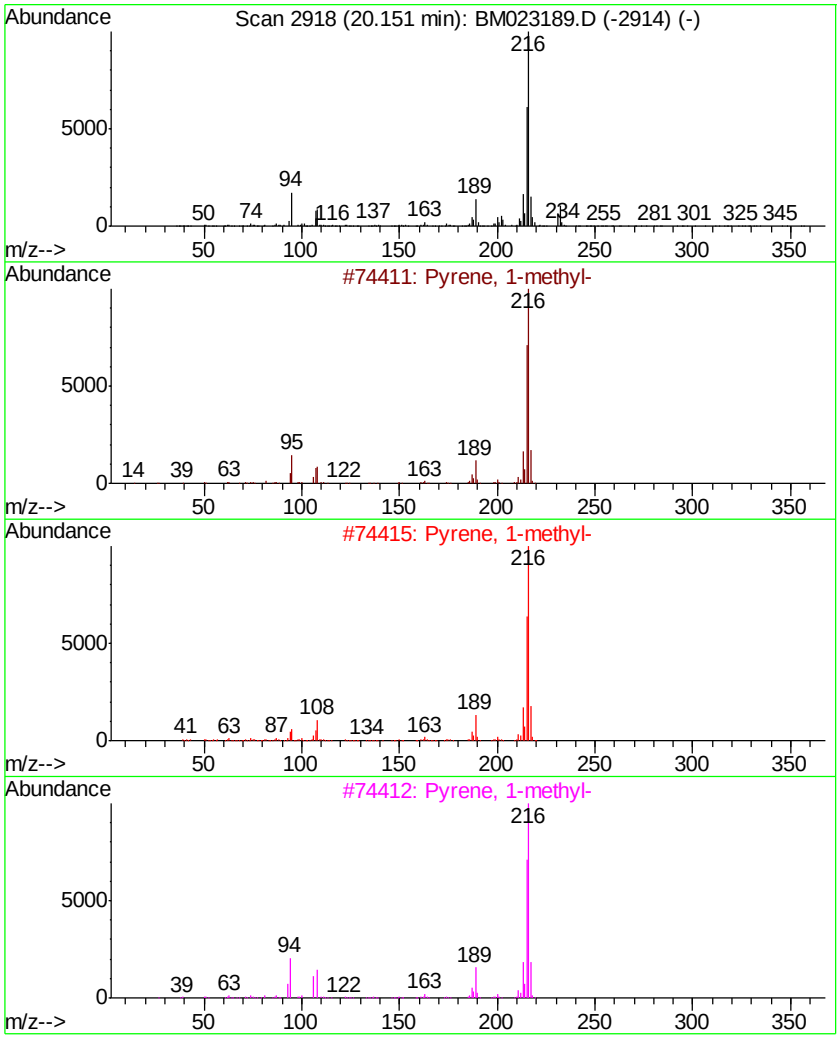
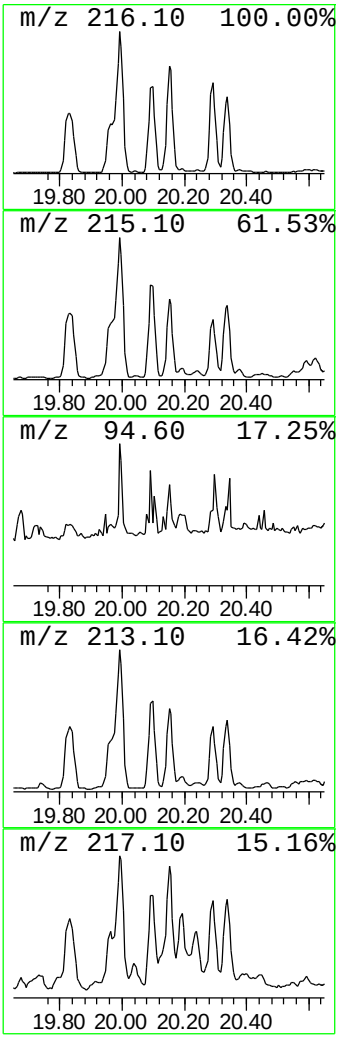
Peak Number 16 Pyrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.15	2.66 ng/ul	1637910	Chrysene-d12	21.26

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	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93





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Data File : BM023189.D
Acq On : 16 Oct 2019 11:57
Operator : JU
Sample : K5199-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP72

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

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

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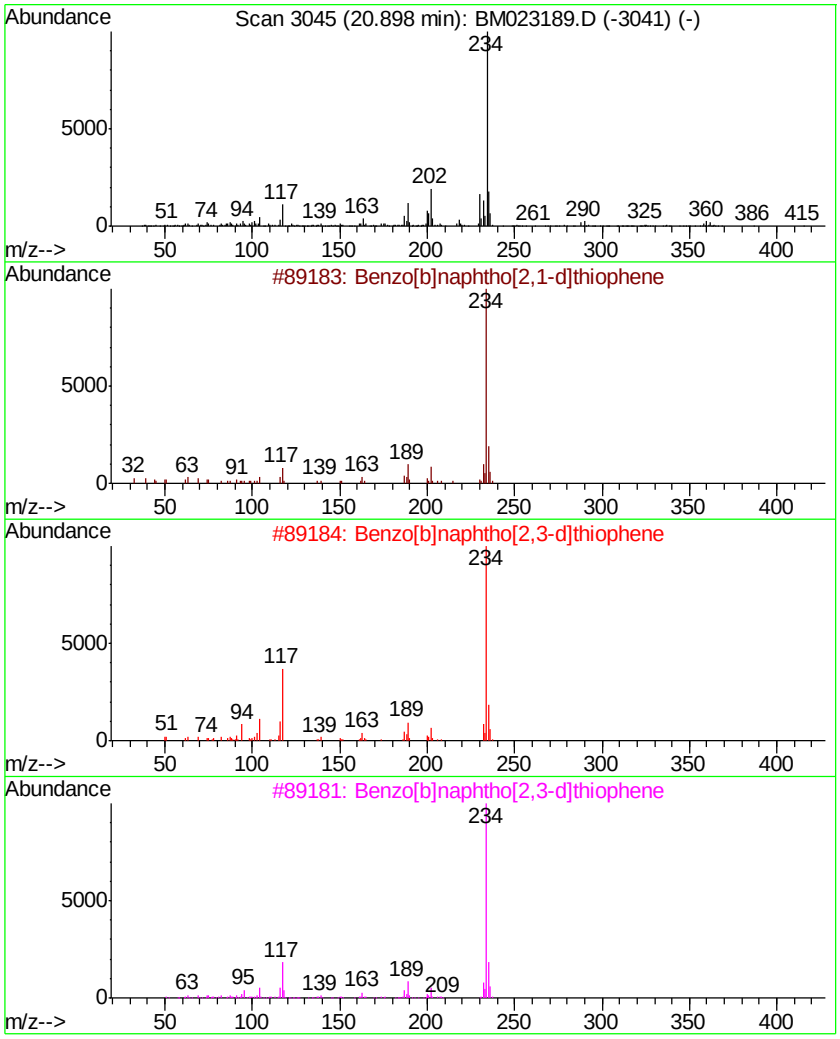
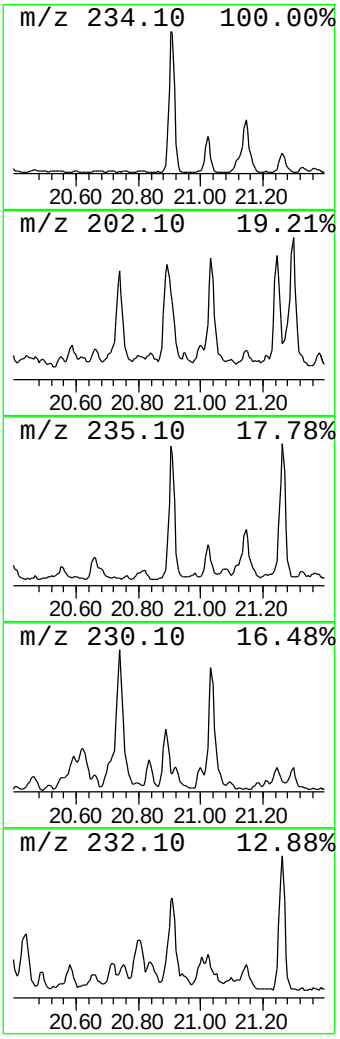
Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	2.64 ng/ul	1624380	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	95
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94





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Data File : BM023189.D
Acq On : 16 Oct 2019 11:57
Operator : JU
Sample : K5199-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP72

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

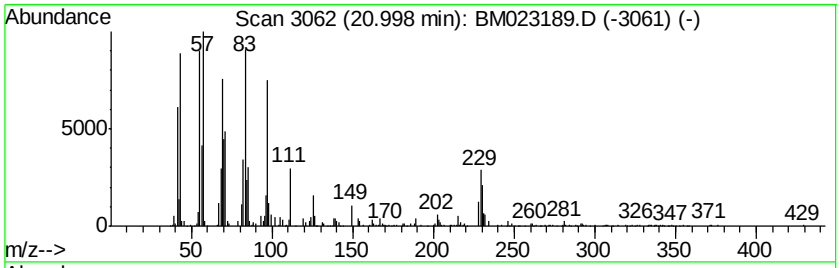
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

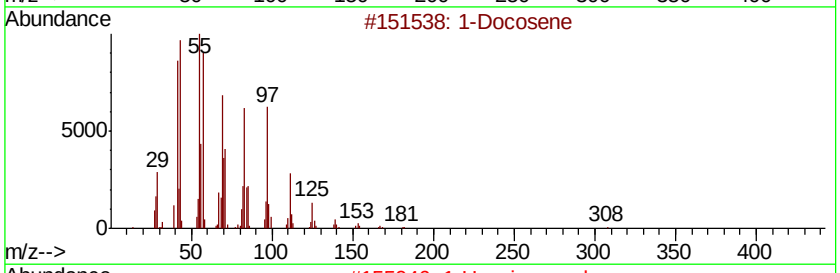
****

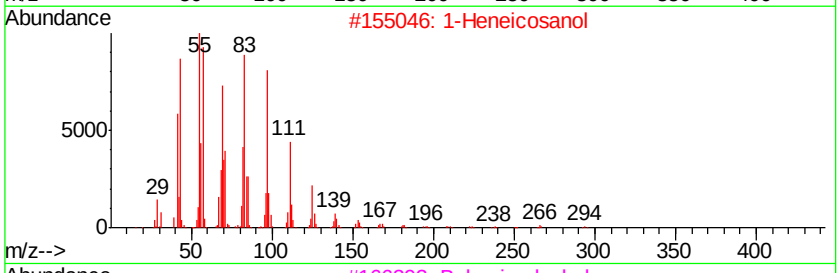
Peak Number 19 (DEL) Alkane: Cyclic21.00 Concentration Rank 5

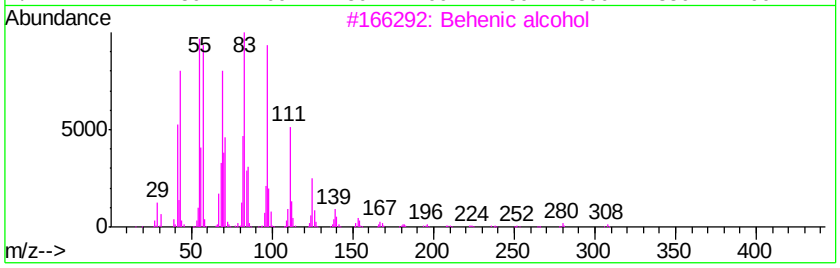
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	5.54 ng/ul	3405290	Chrysene-d12	21.26

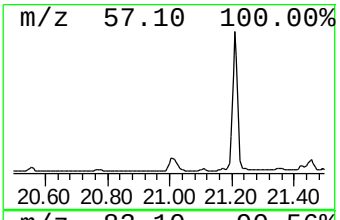
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	95
2	1-Heneicosanol	312	C21H44O	015594-90-8	94
3	Behenic alcohol	326	C22H46O	000661-19-8	94
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
5	1-Heneicosyl formate	340	C22H44O2	077899-03-7	91

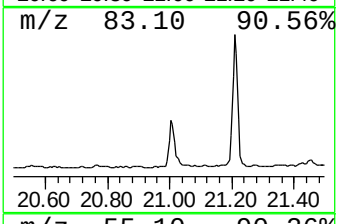


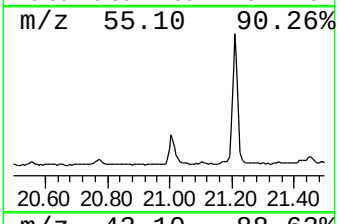


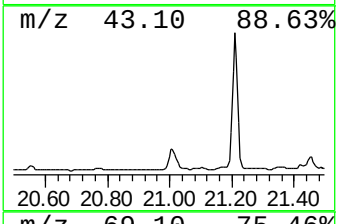


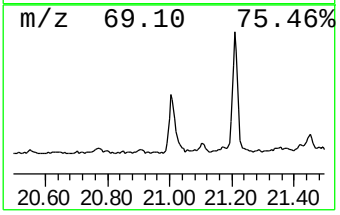












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
Data File : BM023189.D
Acq On : 16 Oct 2019 11:57
Operator : JU
Sample : K5199-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP72

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

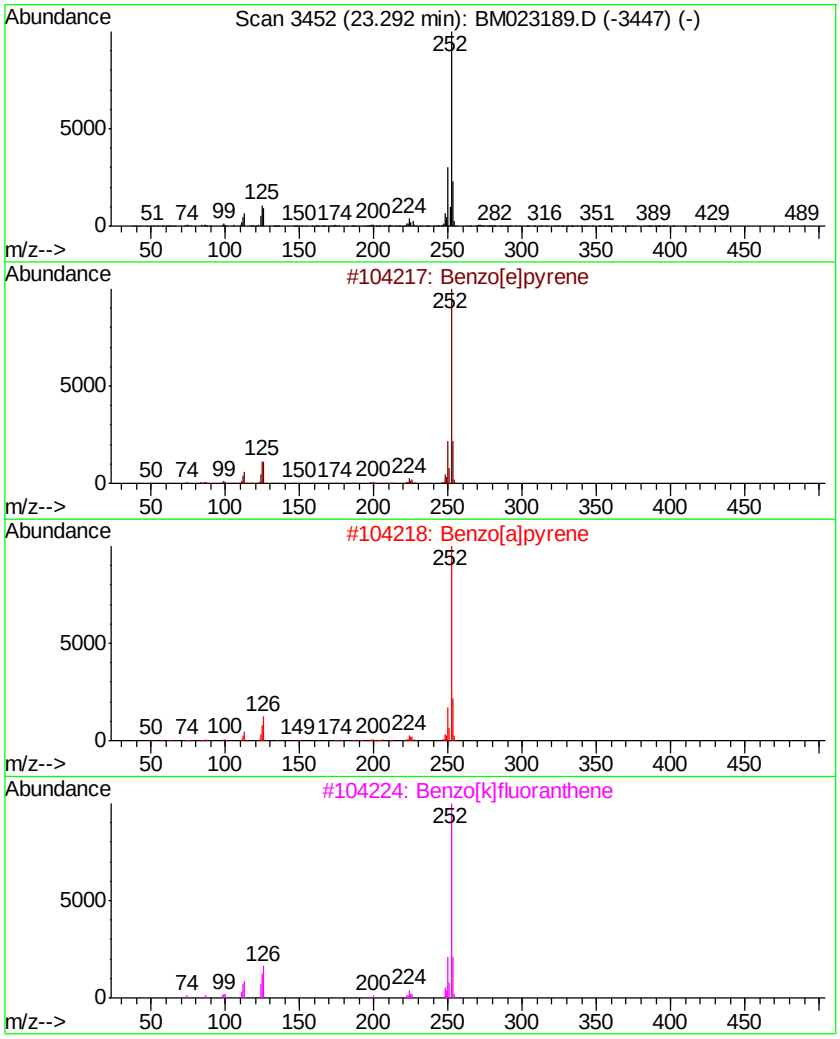
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

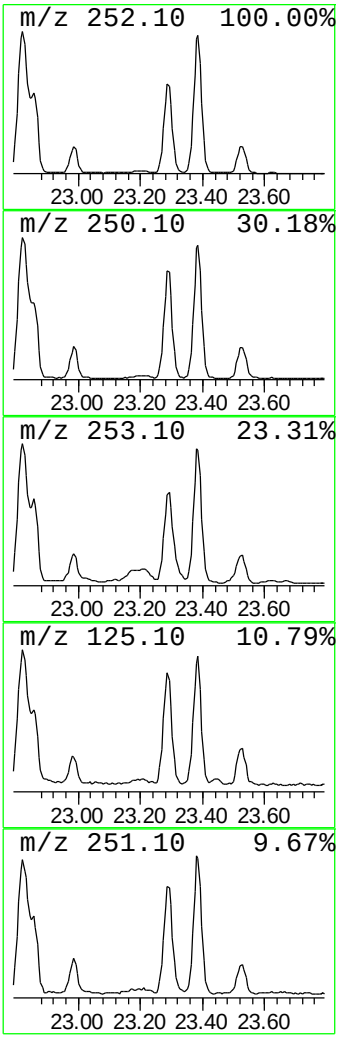
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.29	11.60 ng/ul	2929000	Perylene-d12	23.48

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





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ALS Vial : 34 Sample Multiplier: 1

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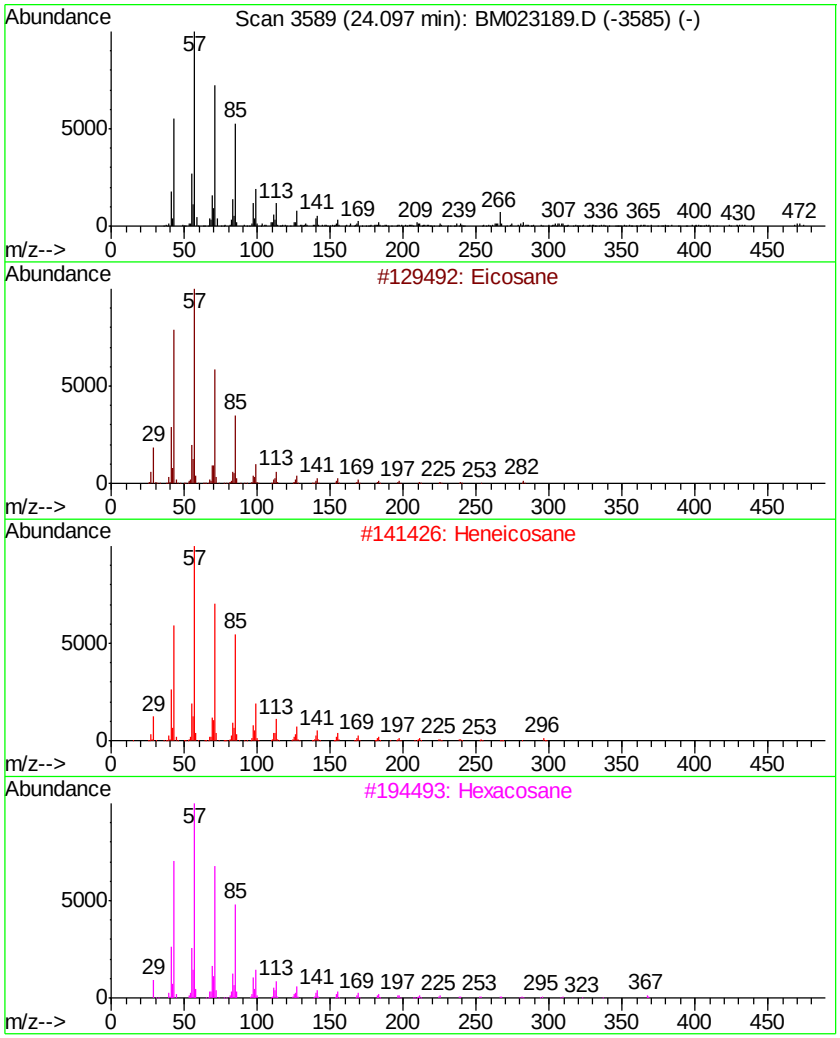
Quant Title : SVOA CALIBRATION

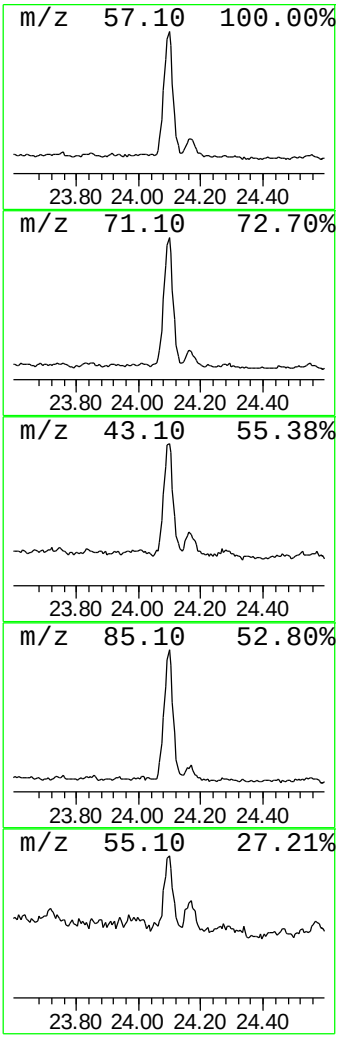
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.10	3.29 ng/ul	829702	Perylene-d12	23.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Heneicosane	296	C21H44	000629-94-7	90
3	Hexacosane	366	C26H54	000630-01-3	87
4	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	87
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101519\
Data File : BM023189.D
Acq On : 16 Oct 2019 11:57
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Sample : K5199-05
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ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown-01	14.75	2.1	ng/ul	555086	3	14.33	5364380	20.0
Benzene, 1,1'-(ox...	15.22	3.6	ng/ul	960370	3	14.33	5364380	20.0
Phenanthrene, 2-m...	17.94	5.0	ng/ul	1521870	4	17.07	6056540	20.0
Phenanthrene, 1-m...	18.00	9.8	ng/ul	2956080	4	17.07	6056540	20.0
4H-Cyclopenta[def...	18.14	10.9	ng/ul	3290590	4	17.07	6056540	20.0
Phenanthrene, 4-m...	18.17	3.0	ng/ul	923355	4	17.07	6056540	20.0
Naphthalene, 2-ph...	18.45	2.6	ng/ul	777327	4	17.07	6056540	20.0
9,10-Anthracenedione	18.48	4.3	ng/ul	1299770	4	17.07	6056540	20.0
Phenanthrene, 2,5...	18.87	5.6	ng/ul	1693880	4	17.07	6056540	20.0
Acephenanthrylene...	18.93	3.4	ng/ul	1022980	4	17.07	6056540	20.0
9,10-Dimethylanth...	19.01	5.3	ng/ul	1619470	4	17.07	6056540	20.0
2,2',3,4',6-Penta...	19.73	2.2	ng/ul	1353280	5	21.26	12293000	20.0
Fluoranthene, 2-m...	19.83	2.7	ng/ul	1664080	5	21.26	12293000	20.0
11H-Benzo[b]fluorene	19.99	3.8	ng/ul	2320750	5	21.26	12293000	20.0
Pyrene, 1-methyl-	20.09	2.2	ng/ul	1346740	5	21.26	12293000	20.0
Pyrene, 4-methyl-	20.15	2.7	ng/ul	1637910	5	21.26	12293000	20.0
Benzo[b]naphtho[2...	20.90	2.6	ng/ul	1624380	5	21.26	12293000	20.0
(DEL) Alkane: Cyc...	21.00	5.5	ng/ul	3405290	5	21.26	12293000	20.0
Benzo[e]pyrene	23.29	11.6	ng/ul	2929000	6	23.48	5048640	20.0
(DEL) Alkane: Str...	24.10	3.3	ng/ul	829702	6	23.48	5048640	20.0