LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
Data File : BM023213.D
Acq On : 17 Oct 2019 09:50
Operator : JU
Sample : K5262-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFBB0

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	3.681	112	118	126	rVB	91576	127773	0.81%	0.058%
2	5.675	452	457	472	rVB5	38962	126349	0.80%	0.057%
3	6.834	646	654	663	rVV2	975437	1814251	11.47%	0.819%
4	6.998	676	682	690	rBV	742426	1188244	7.51%	0.536%
5	7.198	709	716	727	rVB	1039634	1651436	10.44%	0.745%
6	7.322	731	737	747	rBV4	84184	173539	1.10%	0.078%
7	7.663	788	795	804	rBV	1630091	2603008	16.46%	1.175%
8	8.369	908	915	922	rVV	1161566	1881924	11.90%	0.849%
9	8.810	977	990	1003	rBV	876709	1549421	9.80%	0.699%
10	9.528	1106	1112	1120	rVV	719491	1180877	7.47%	0.533%
11	10.069	1192	1204	1214	rVB	1179995	2081076	13.16%	0.939%
12	10.445	1259	1268	1273	rBV	2154153	3604592	22.80%	1.627%
13	10.492	1273	1276	1283	rVV	376924	598119	3.78%	0.270%
14	10.575	1283	1290	1307	rVV	505162	993348	6.28%	0.448%
15	11.798	1488	1498	1507	rBV	134536	264625	1.67%	0.119%
16	11.963	1521	1526	1535	rVV8	48594	147886	0.94%	0.067%
17	12.116	1546	1552	1561	rVB	250648	420624	2.66%	0.190%
18	12.333	1583	1589	1595	rVB	286516	454945	2.88%	0.205%
19	13.139	1722	1726	1734	rVV3	138744	261313	1.65%	0.118%
20	13.474	1777	1783	1784	rBV2	109316	158968	1.01%	0.072%
21	13.633	1803	1810	1815	rBV	222049	391889	2.48%	0.177%
22	13.686	1815	1819	1821	rBV	120156	167944	1.06%	0.076%
23	13.721	1821	1825	1830	rVV	1892201	2712528	17.15%	1.224%
24	13.769	1830	1833	1838	rVB2	652217	919158	5.81%	0.415%
25	13.869	1846	1850	1854	rBV	103644	135220	0.86%	0.061%
26	13.998	1865	1872	1883	rBV2	2301811	4269602	27.00%	1.927%
27	14.133	1889	1895	1910	rVB3	93705	299738	1.90%	0.135%
28	14.310	1917	1925	1931	rBV	2986054	4507779	28.51%	2.034%
29	14.374	1931	1936	1944	rVB	977007	1501272	9.49%	0.677%
30	14.504	1952	1958	1969	rBV	485575	837442	5.30%	0.378%
31	14.645	1975	1982	1986	rVB4	69819	144670	0.91%	0.065%
32	14.710	1987	1993	2003	rVB	776828	1329857	8.41%	0.600%
33	14.921	2024	2029	2037	rBV3	89189	241073	1.52%	0.109%
34	15.186	2070	2074	2080	rVB2	134559	225650	1.43%	0.102%

LSC Area Percent Report

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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFBB0

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	15.304	2082	2094	2099	rBV	2909982	4166228	26.35%	1.880%
36	15.363	2099	2104	2109	rVB	968156	1388842	8.78%	0.627%
37	15.421	2109	2114	2119	rBV	337833	449443	2.84%	0.203%
38	15.521	2128	2131	2136	rBV5	100024	159400	1.01%	0.072%
39	15.610	2143	2146	2150	rVB3	88262	119426	0.76%	0.054%
40	15.657	2150	2154	2158	rBV	184253	267225	1.69%	0.121%
41	15.804	2175	2179	2187	rVB	195921	406505	2.57%	0.183%
42	16.033	2213	2218	2225	rBV5	159984	328196	2.08%	0.148%
43	16.415	2280	2283	2289	rVB3	91998	126424	0.80%	0.057%
44	16.633	2317	2320	2324	rVV2	231798	314938	1.99%	0.142%
45	16.704	2328	2332	2342	rVB	273581	470547	2.98%	0.212%
46	16.798	2344	2348	2353	rBV5	76511	161381	1.02%	0.073%
47	16.868	2356	2360	2365	rVV	290434	413037	2.61%	0.186%
48	16.945	2369	2373	2376	rVB	154610	182888	1.16%	0.083%
49	17.057	2386	2392	2395	rBV	3109500	4685508	29.63%	2.114%
50	17.098	2395	2399	2404	rVV	5167734	7231644	45.73%	3.263%
51	17.151	2404	2408	2412	rVV2	3000085	4411417	27.90%	1.991%
52	17.186	2412	2414	2419	rVV	1244845	1434656	9.07%	0.647%
53	17.245	2419	2424	2431	rVB4	274790	517187	3.27%	0.233%
54	17.451	2452	2459	2465	rVB2	498204	861806	5.45%	0.389%
55	17.651	2488	2493	2501	rVB3	262611	659139	4.17%	0.297%
56	17.786	2511	2516	2521	rVB2	185378	334392	2.11%	0.151%
57	17.933	2536	2541	2544	rBV	582664	801167	5.07%	0.362%
58	17.980	2544	2549	2556	rVB	1248292	1826220	11.55%	0.824%
59	18.057	2556	2562	2567	rBV2	441510	837525	5.30%	0.378%
60	18.127	2568	2574	2578	rBV2	1485344	2743756	17.35%	1.238%
61	18.239	2589	2593	2597	rBV4	189196	331251	2.09%	0.149%
62	18.433	2620	2626	2629	rBV3	562472	1072375	6.78%	0.484%
63	18.468	2629	2632	2639	rVB2	688058	896559	5.67%	0.405%
64	18.692	2666	2670	2674	rVB4	257946	361816	2.29%	0.163%
65	18.739	2675	2678	2681	rBV	147985	170669	1.08%	0.077%
66	18.856	2693	2698	2703	rBV2	669669	1111294	7.03%	0.501%
67	18.915	2703	2708	2712	rVV4	446668	877590	5.55%	0.396%
68	18.956	2712	2715	2718	rVV2	432254	643494	4.07%	0.290%
69	18.992	2718	2721	2729	rVB4	675914	1135848	7.18%	0.513%
70	19.115	2737	2742	2748	rBV	9103440	12464594	78.83%	5.624%
71	19.192	2751	2755	2757	rBV	574734	768602	4.86%	0.347%

LSC Area Percent Report

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Instrument : BNA_M
ClientSampleId : BFBB0

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

72	19.268	2764	2768	2772	rBV	636962	870708	5.51%	0.393%
73	19.451	2794	2799	2801	rBV2	4488976	6446902	40.77%	2.909%
74	19.480	2801	2804	2812	rVB	8317036	11132574	70.40%	5.023%
75	19.662	2831	2835	2839	rBV	575470	772612	4.89%	0.349%
76	19.721	2841	2845	2852	rVB	677479	962977	6.09%	0.435%
77	19.809	2856	2860	2865	rVV3	591079	1190665	7.53%	0.537%
78	19.945	2880	2883	2885	rBV2	499225	721482	4.56%	0.326%
79	19.980	2886	2889	2894	rVB2	1663969	2189970	13.85%	0.988%
80	20.080	2902	2906	2910	rBV2	1146224	1394917	8.82%	0.629%
81	20.139	2912	2916	2920	rVB2	880466	1233704	7.80%	0.557%
82	20.274	2936	2939	2943	rBV	649583	764567	4.84%	0.345%
83	20.321	2944	2947	2952	rVB2	590562	830173	5.25%	0.375%
84	20.727	3013	3016	3023	rVB	800714	1298242	8.21%	0.586%
85	20.933	3048	3051	3055	rBV2	1463009	2100071	13.28%	0.948%
86	20.992	3057	3061	3065	rVV3	3447057	5435684	34.37%	2.453%
87	21.039	3066	3069	3078	rVB	4993535	6093149	38.53%	2.749%
88	21.192	3092	3095	3098	rBV2	2505936	2864915	18.12%	1.293%
89	21.233	3098	3102	3108	rVV3	7823693	15812972	100.00%	7.135%
90	21.286	3108	3111	3118	rVB	5326281	6923595	43.78%	3.124%
91	21.403	3128	3131	3134	rBV	759023	1092280	6.91%	0.493%
92	21.880	3209	3212	3220	rVB3	2320856	3682939	23.29%	1.662%
93	22.803	3364	3369	3374	rBV	5450656	12385991	78.33%	5.589%
94	22.968	3394	3397	3404	rVB	1364484	2241013	14.17%	1.011%
95	23.274	3444	3449	3453	rBV	3221029	5556292	35.14%	2.507%
96	23.321	3454	3457	3461	rVV	2241008	3698100	23.39%	1.669%
97	23.368	3461	3465	3471	rVB	4944142	8103907	51.25%	3.657%
98	23.462	3476	3481	3485	rBV	2548700	4238314	26.80%	1.912%
99	25.691	3853	3860	3874	rVB	3529619	10060196	63.62%	4.539%
100	26.368	3968	3975	3994	rVB	2417563	7418227	46.91%	3.347%

Sum of corrected areas: 221616267

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
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Acq On : 17 Oct 2019 09:50
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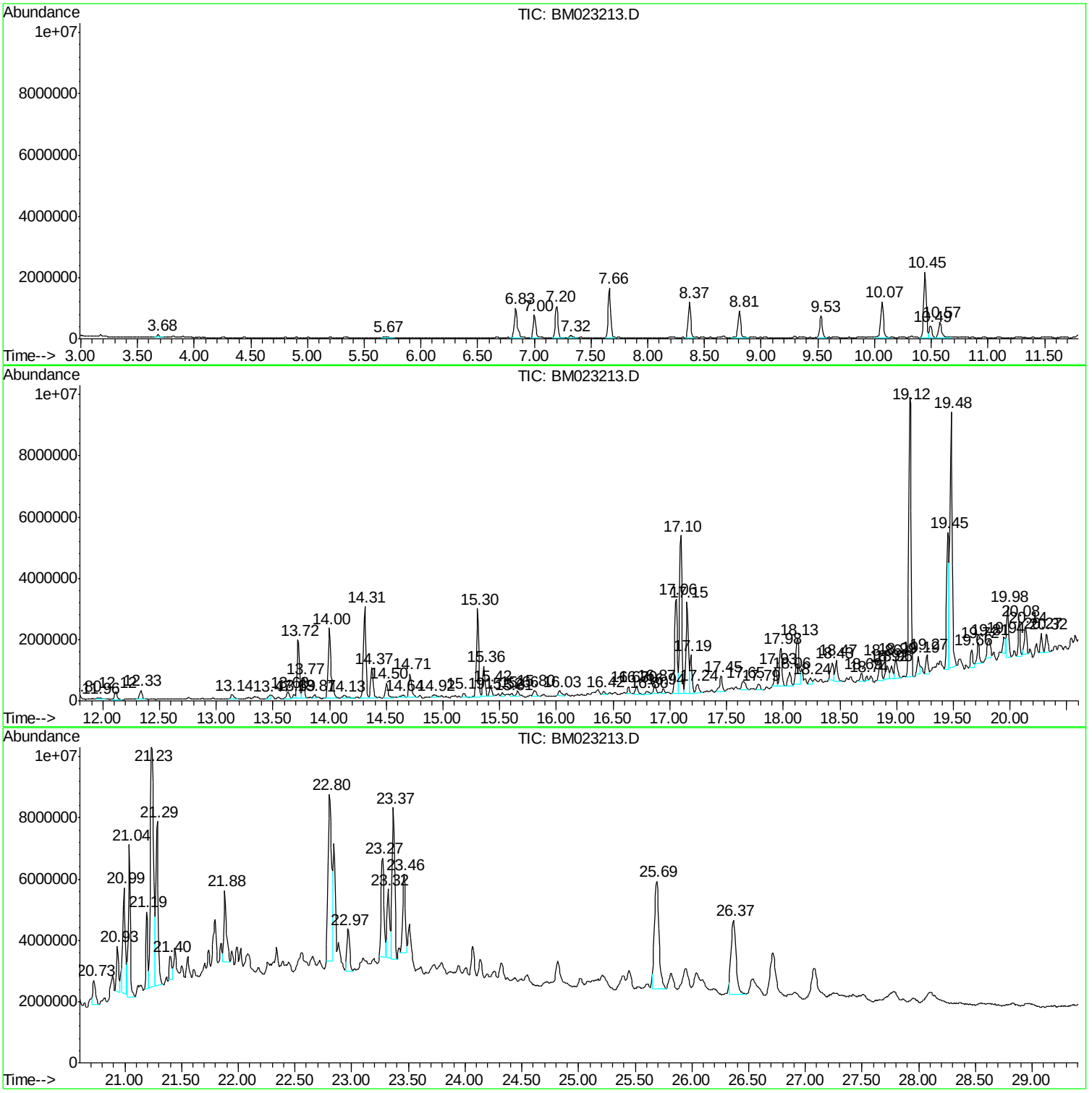
Sample : K5262-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFBB0

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

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
Data File : BM023213.D
Acq On : 17 Oct 2019 09:50
Operator : JU
Sample : K5262-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFBB0

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

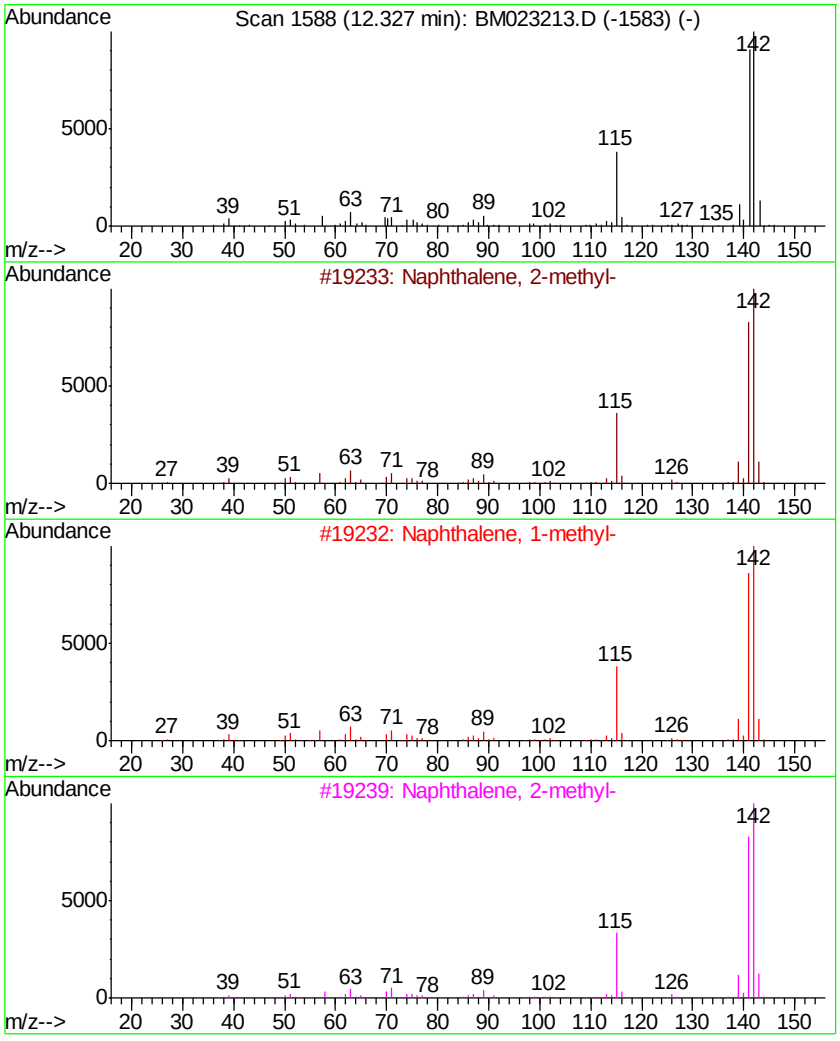
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

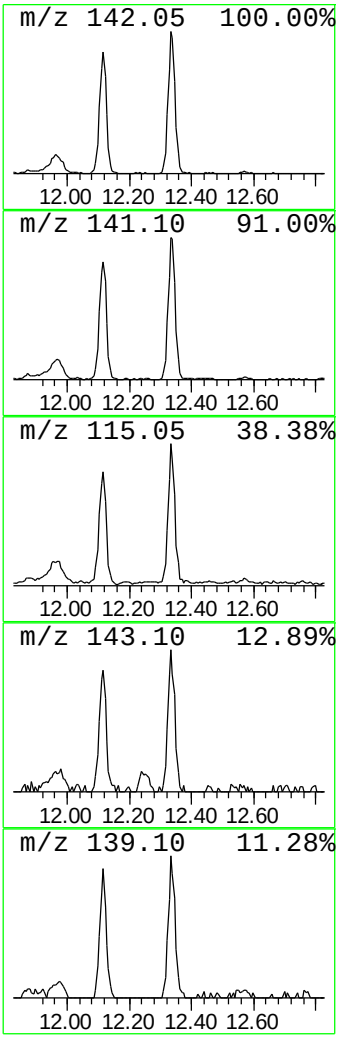
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	2.52 ng/ul	454945	Naphthalene-d8	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





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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

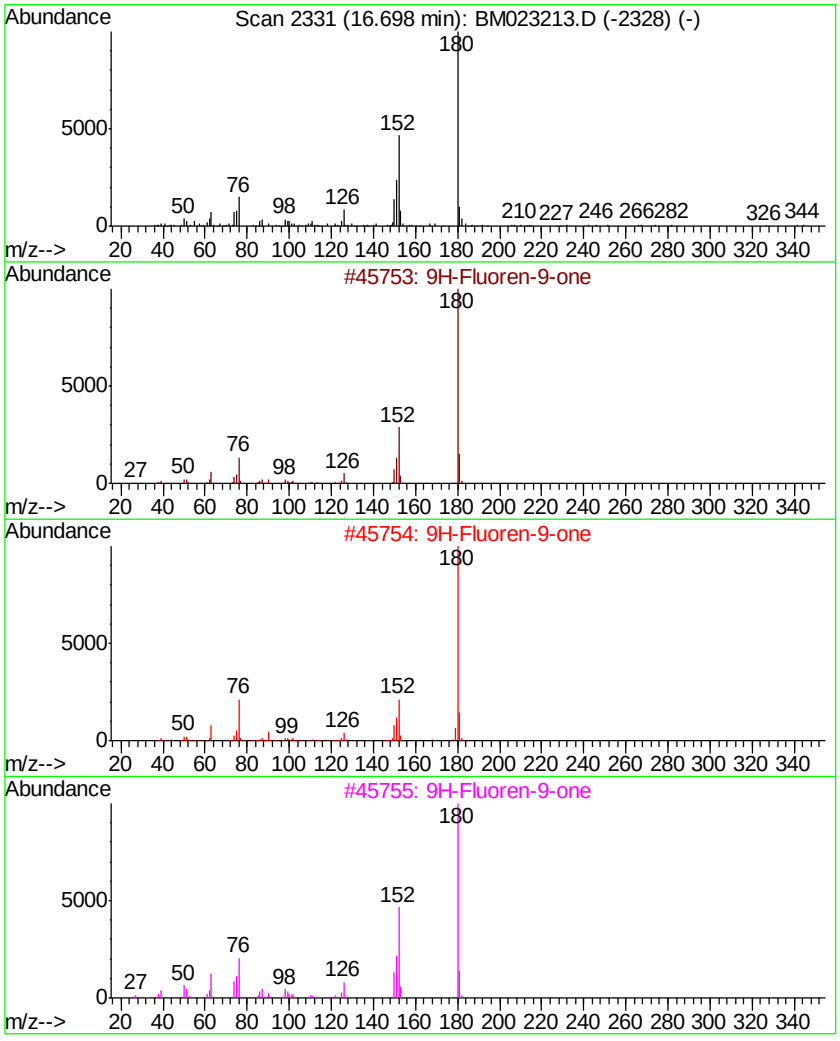
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

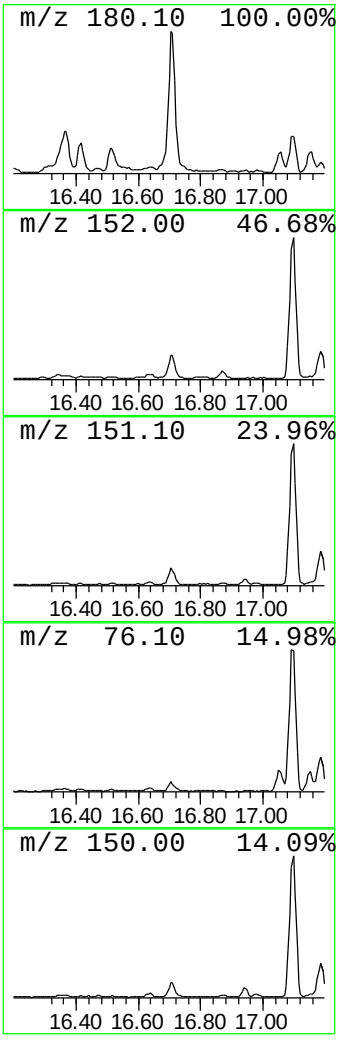
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	2.01 ng/ul	470547	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	86
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86





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Sample : K5262-14
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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFBB0

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

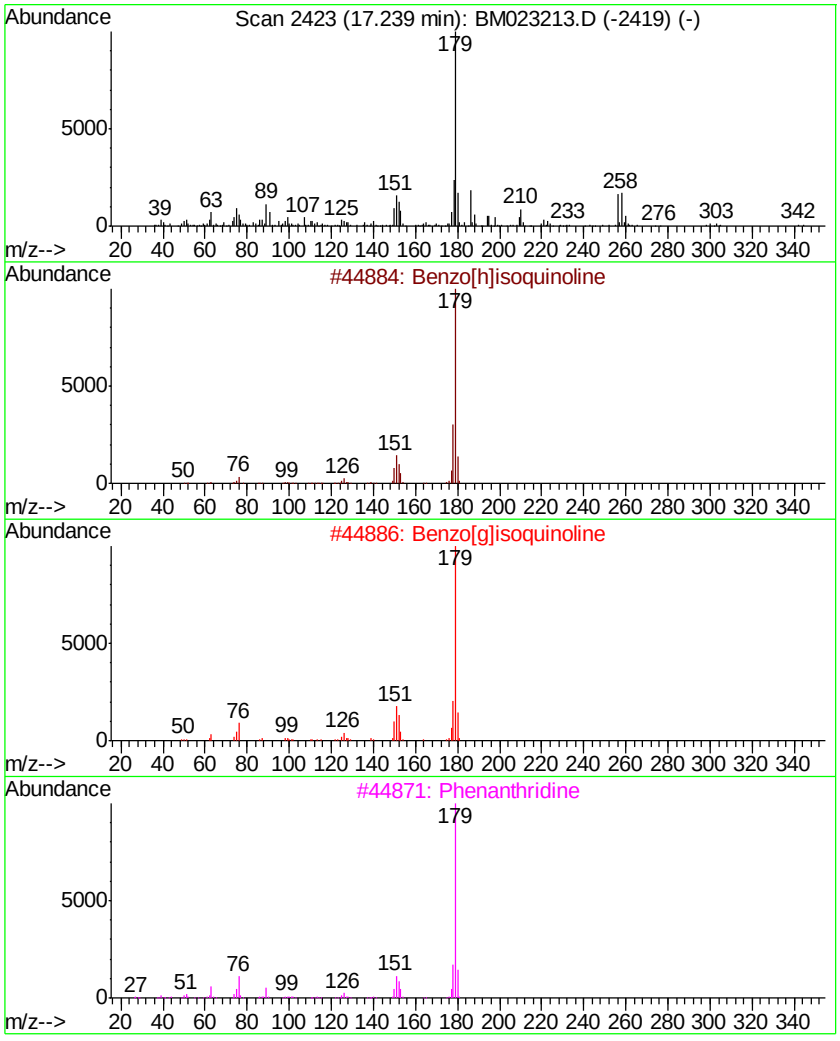
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

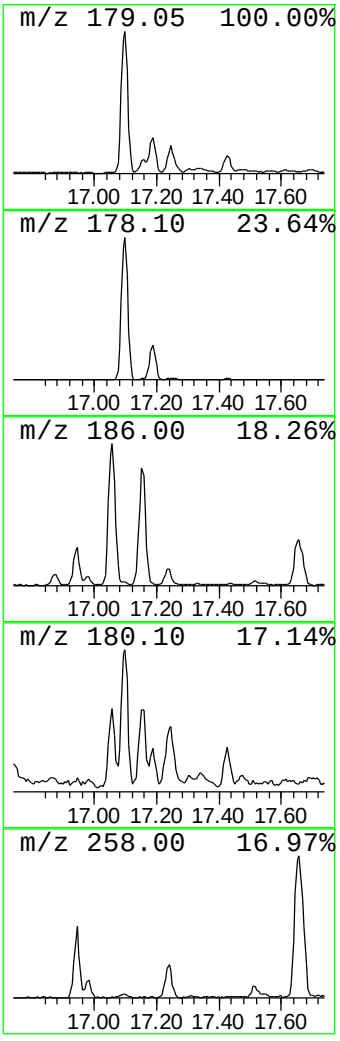
****

Peak Number 3 Benzo[h]isoquinoline Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.24	2.21 ng/ul	517187	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]isoquinoline	179	C13H9N	000229-71-0	96
2	Benzo[g]isoquinoline	179	C13H9N	000260-32-2	83
3	Phenanthridine	179	C13H9N	000229-87-8	78
4	Benzo[f]quinoline	179	C13H9N	000085-02-9	64
5	Benzo[f]quinoline	179	C13H9N	000085-02-9	64





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Instrument : BNA_M
ClientSampleId : BFBB0

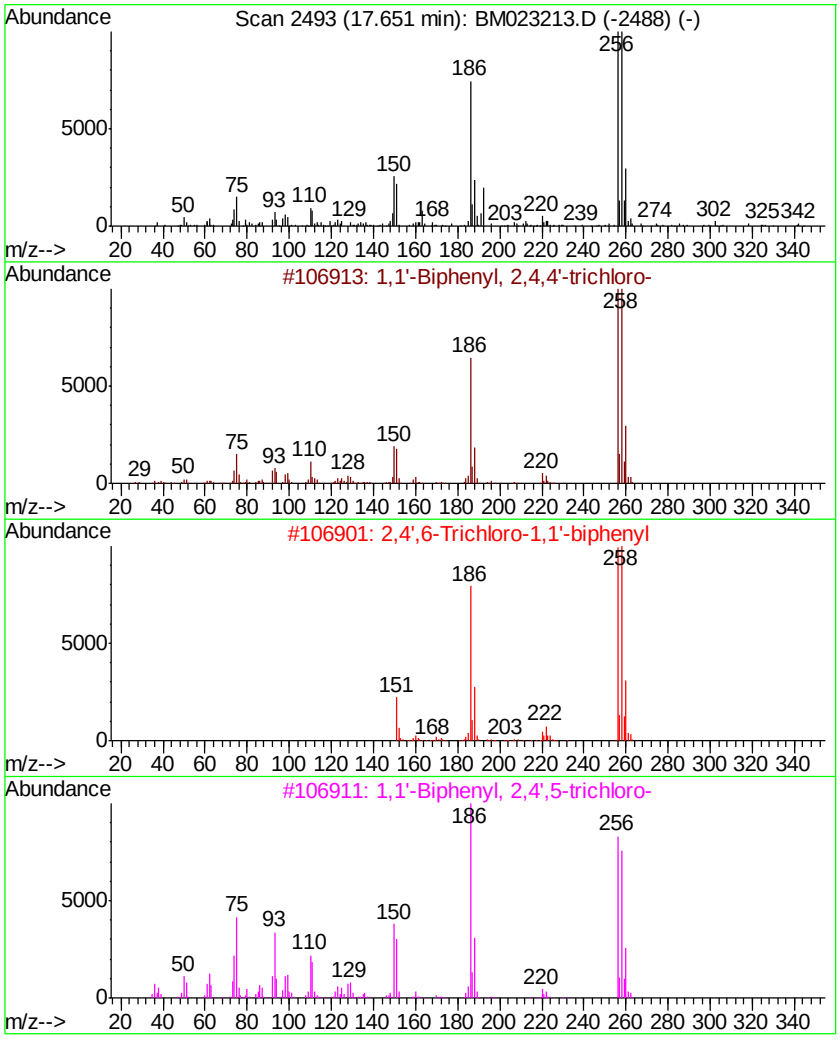
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

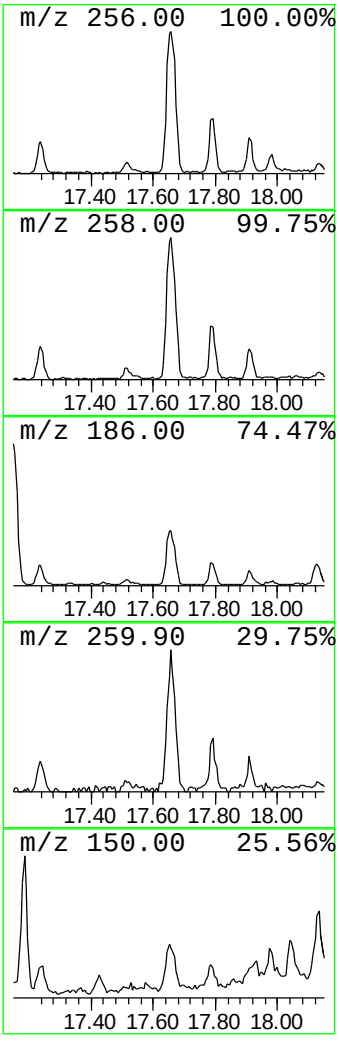
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1,1'-Biphenyl, 2,4,4'-trich... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.65	2.81 ng/ul	659139	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	96
2	2,4',6-Trichloro-1,1'-biphenyl	256	C12H7Cl3	038444-77-8	95
3	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	95
4	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	95
5	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	95





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Instrument : BNA_M
ClientSampleId : BFBB0

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

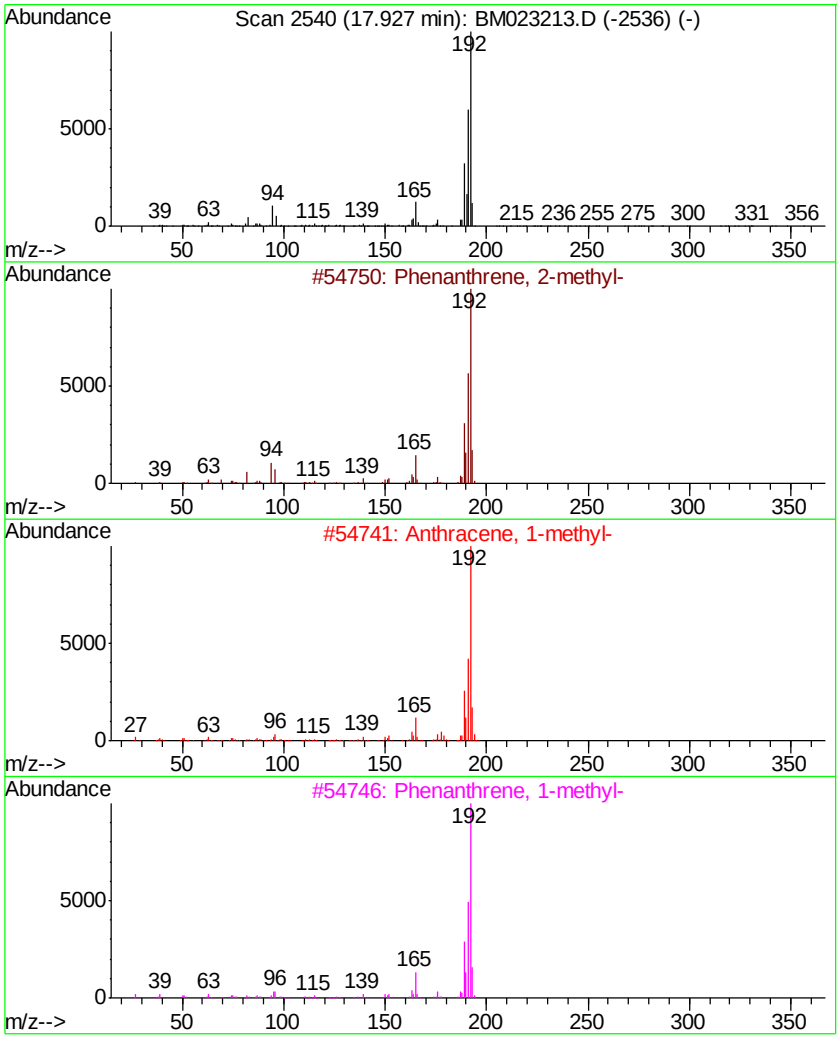
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

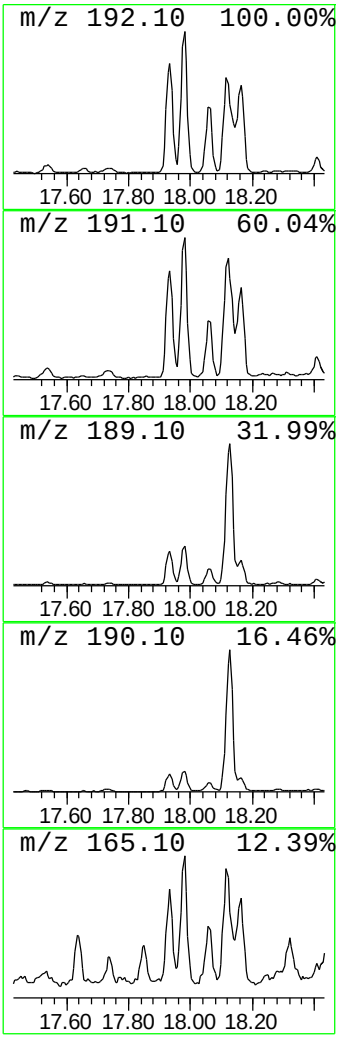
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	3.42 ng/ul	801167	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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Sample : K5262-14
Misc :
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Instrument : BNA_M
ClientSampleId : BFBB0

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Quant Title : SVOA CALIBRATION

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

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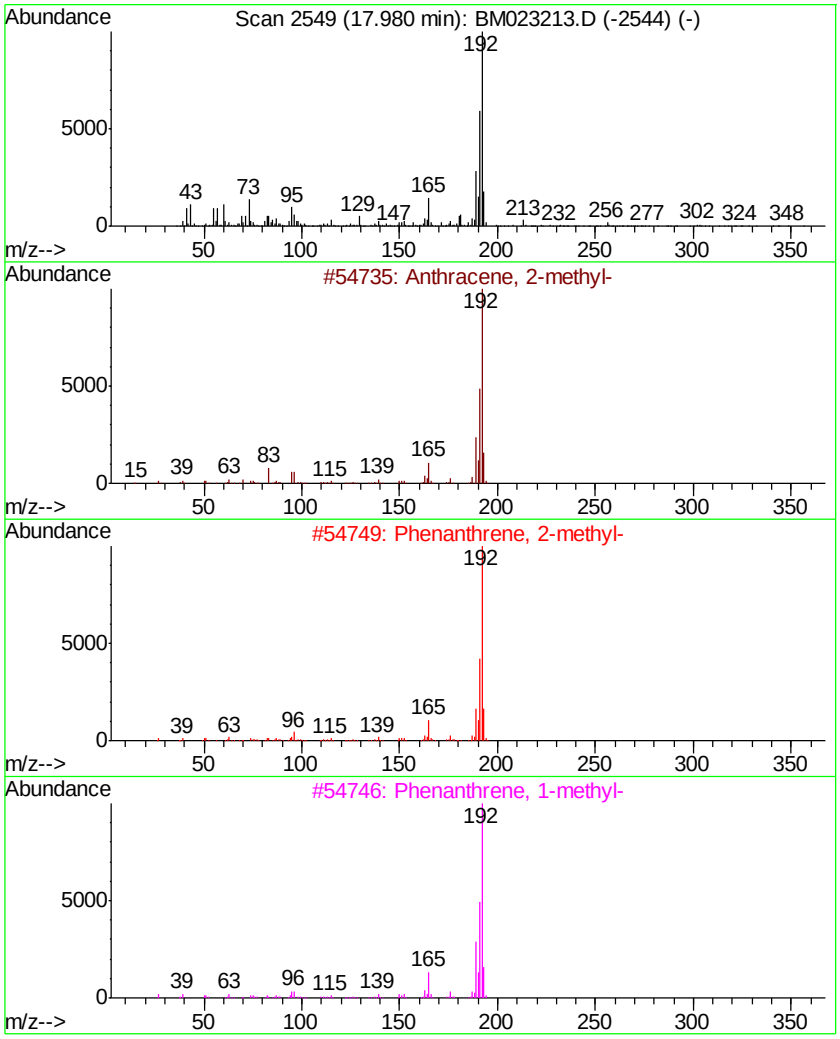
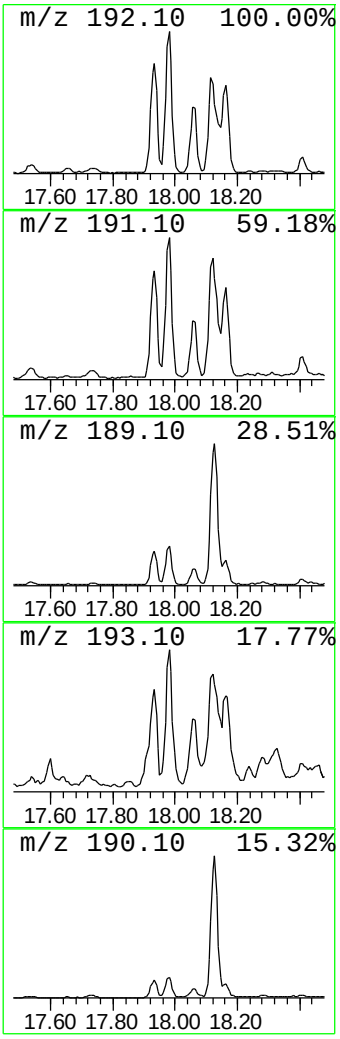
Peak Number 6 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	7.80 ng/ul	1826220	Phenanthrene-d10	17.06

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





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Quant Title : SVOA CALIBRATION

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

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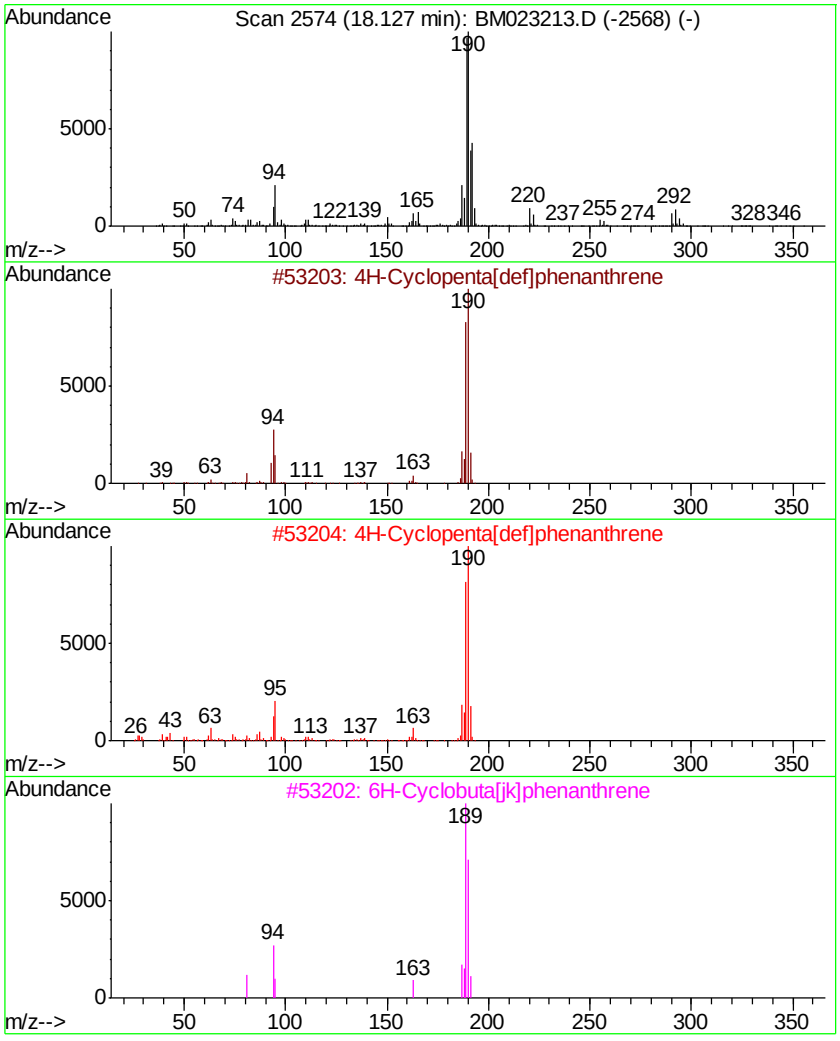
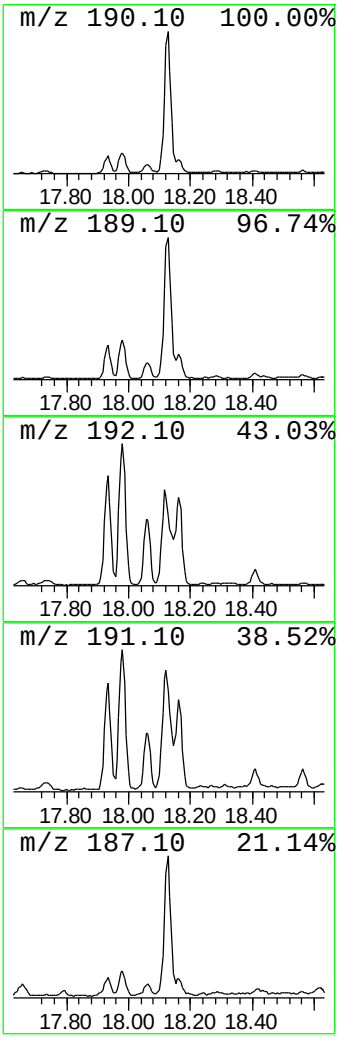
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	11.71 ng/ul	2743760	Phenanthrene-d10	17.06

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	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38





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Sample : K5262-14
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ALS Vial : 20 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

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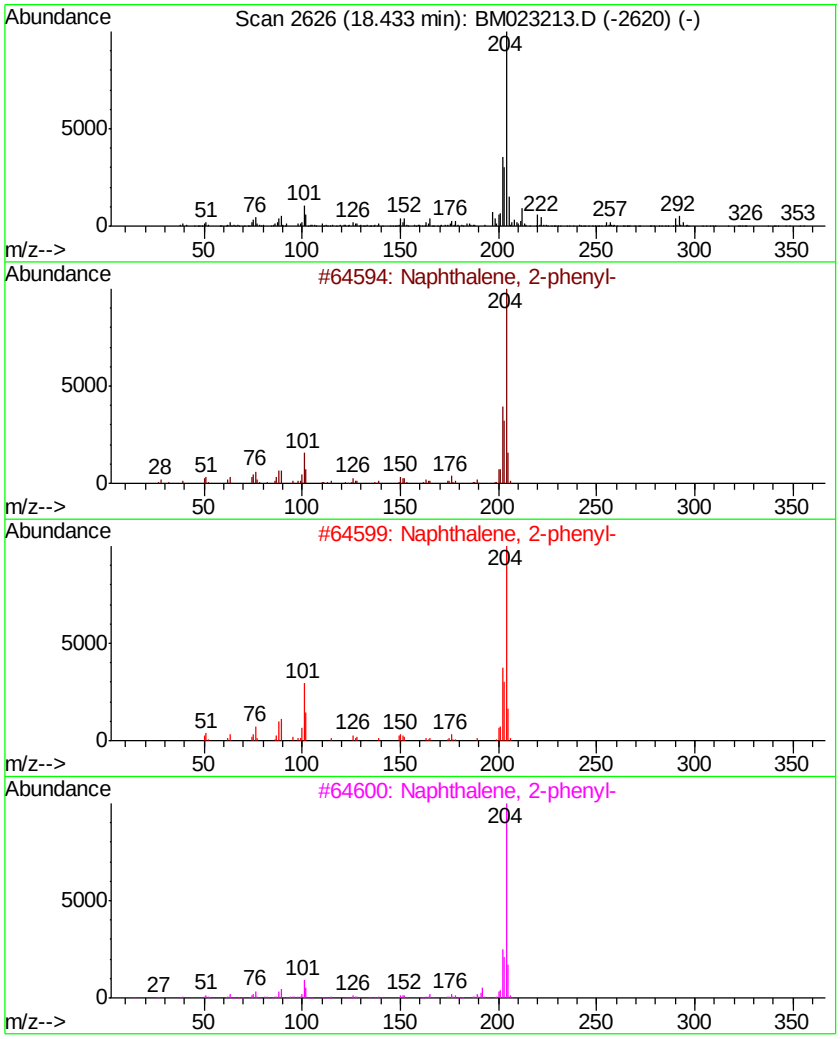
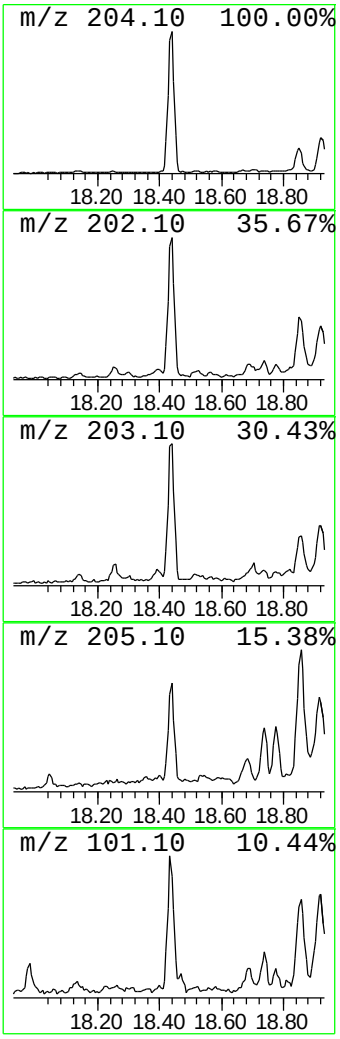
Peak Number 8 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	4.58 ng/ul	1072380	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58





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Sample : K5262-14
Misc :
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Quant Title : SVOA CALIBRATION

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

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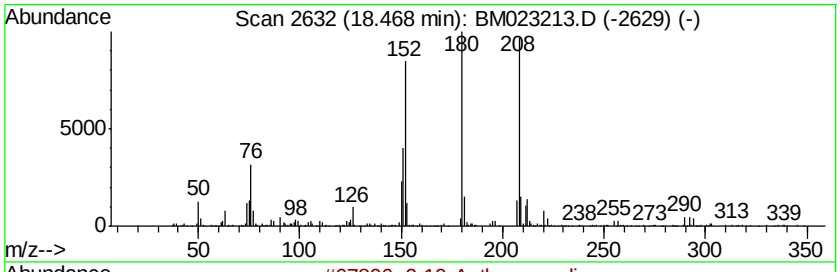
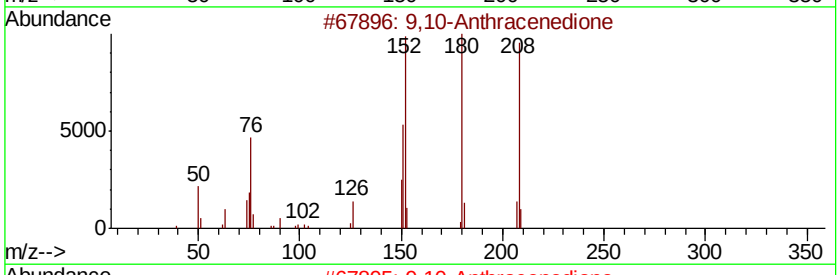
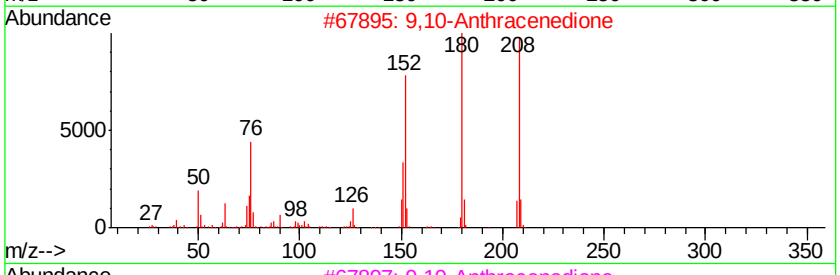
Peak Number 9 9,10-Anthracenedione Concentration Rank 10

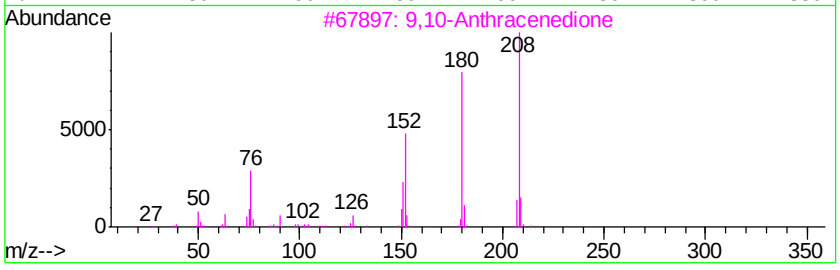
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	3.83 ng/ul	896559	Phenanthrene-d10	17.06

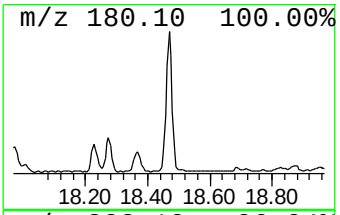
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Diphenic anhydride	224	C14H8O3	006050-13-1	70
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60

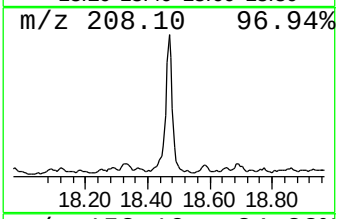


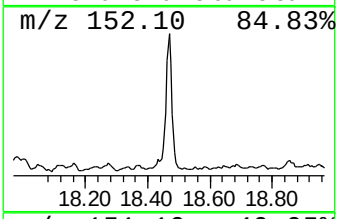


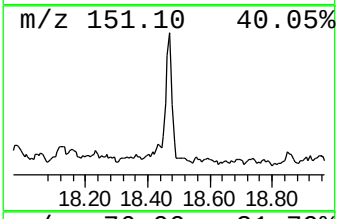


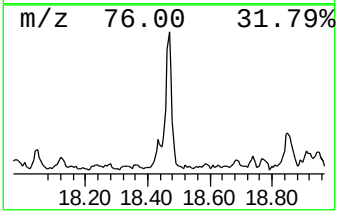












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Acq On : 17 Oct 2019 09:50
Operator : JU
Sample : K5262-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFBB0

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Quant Title : SVOA CALIBRATION

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

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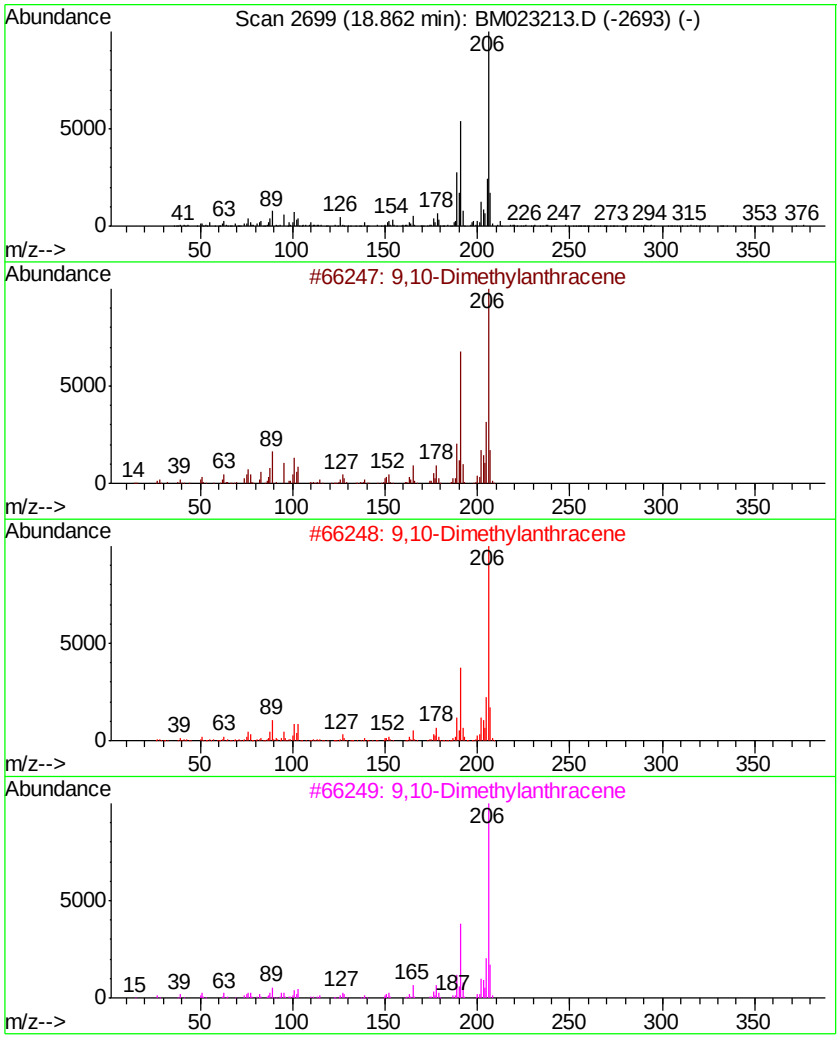
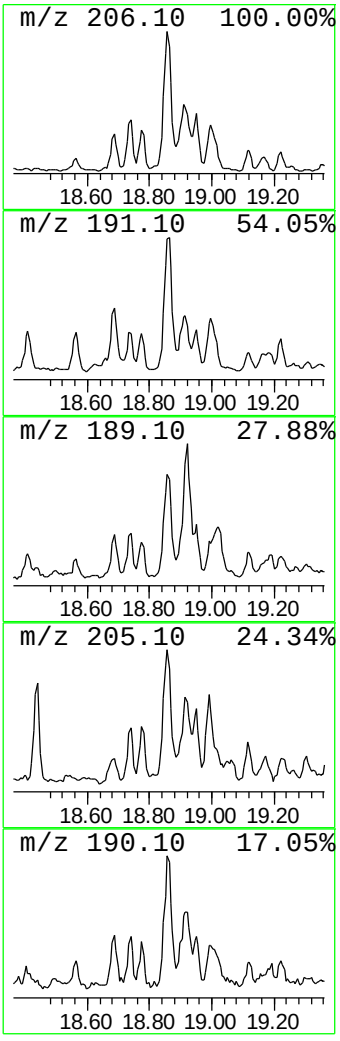
Peak Number 10 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	4.74 ng/ul	1111290	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83





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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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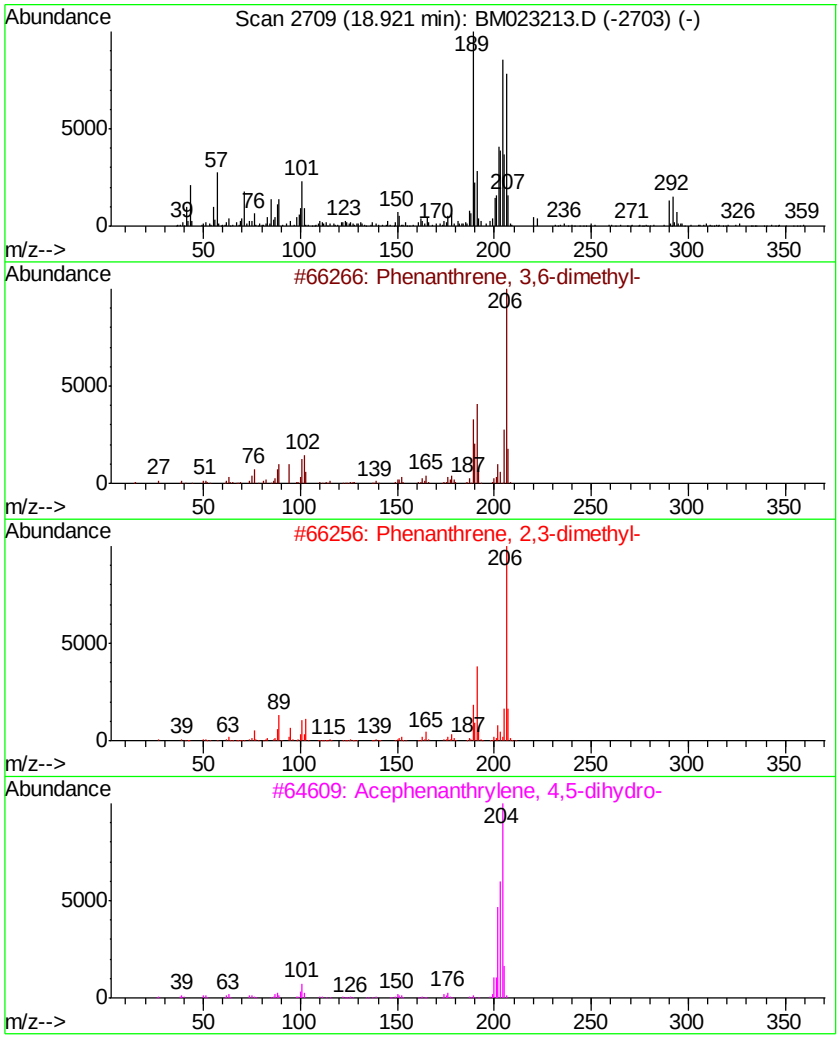
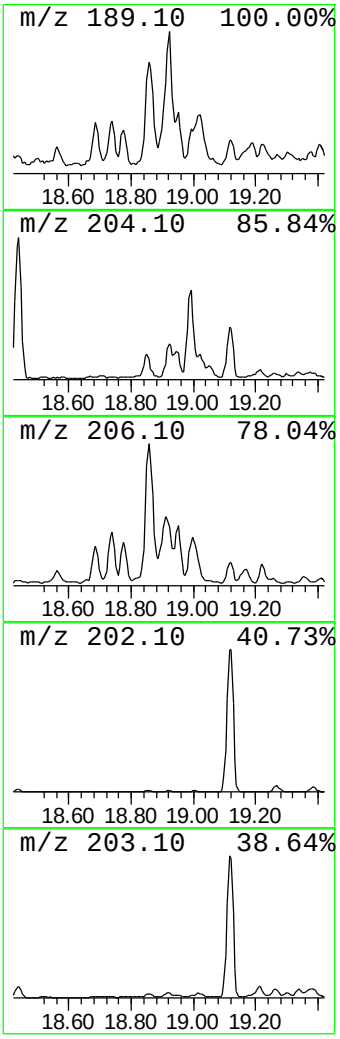
Peak Number 11 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	3.75 ng/ul	877590	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	35
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	35
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	25
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	25





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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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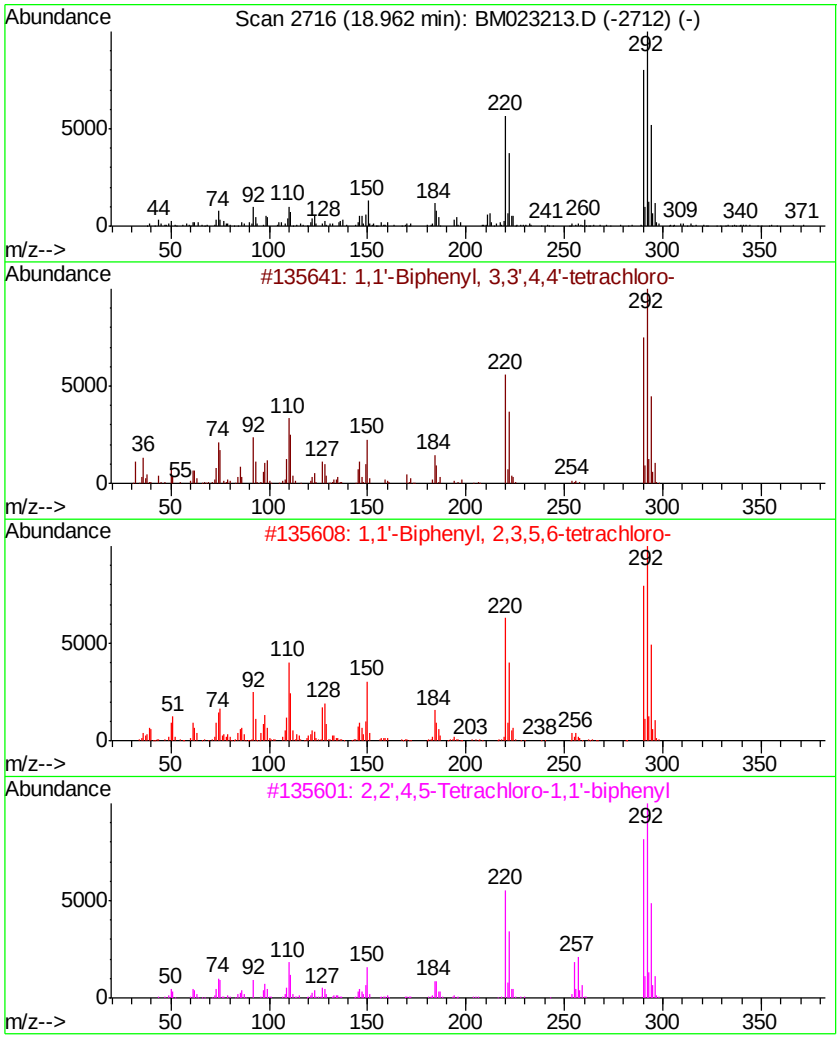
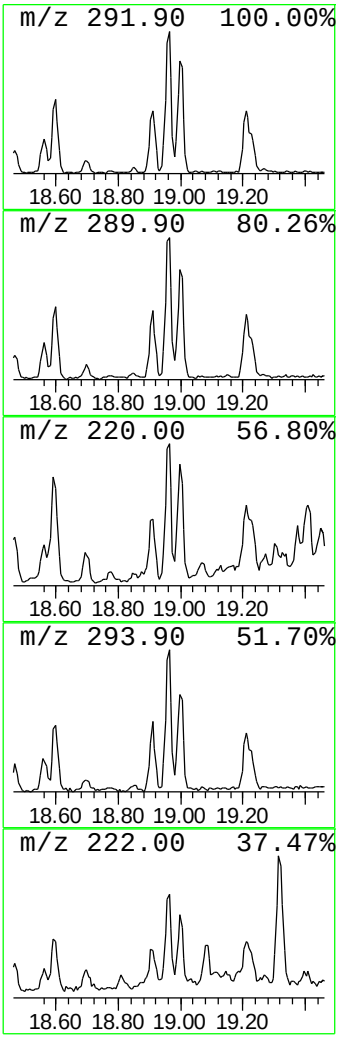
Peak Number 12 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	2.75 ng/ul	643494	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	95
2	1,1'-Biphenyl, 2,3,5,6-tetrachloro-	290	C12H6Cl4	033284-54-7	95
3	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	95
4	2,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-53-8	95
5	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	95





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Quant Title : SVOA CALIBRATION

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

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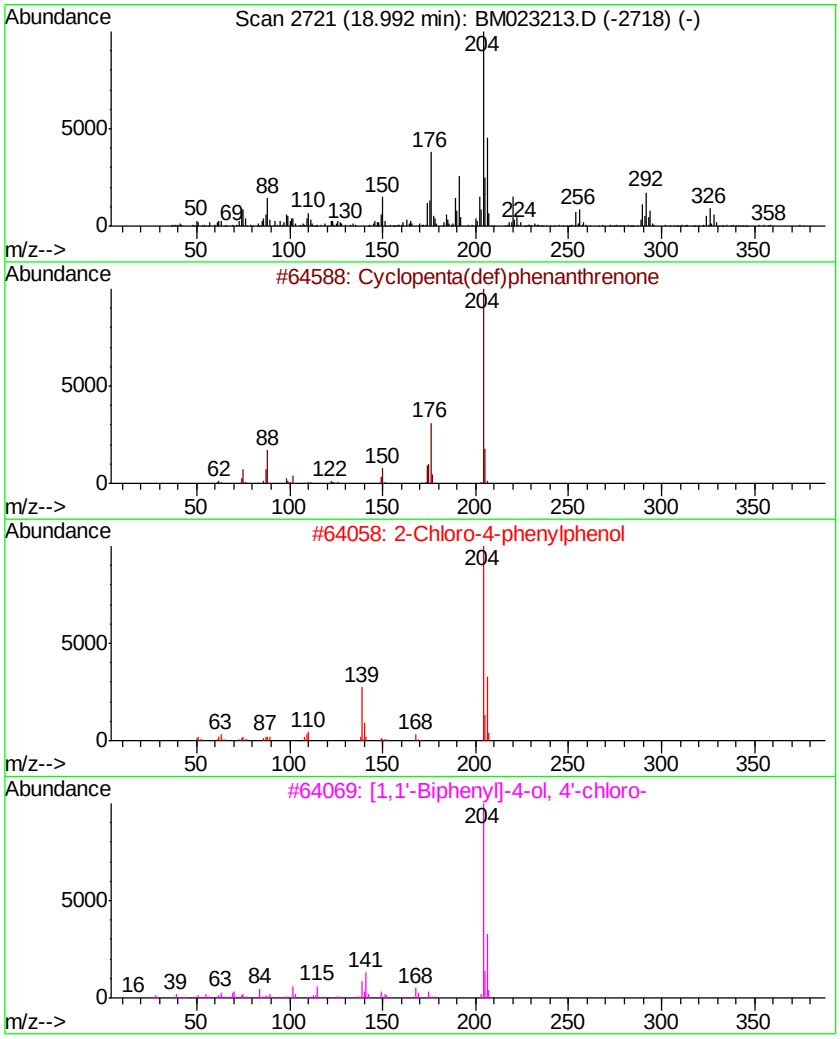
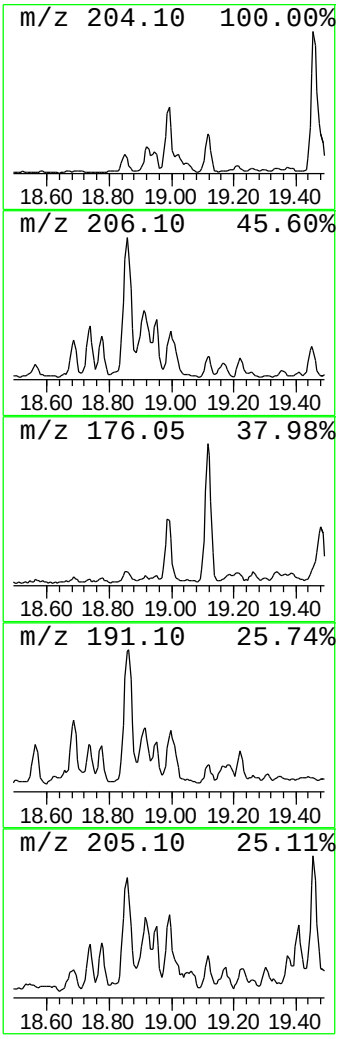
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	4.85 ng/ul	1135850	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	50
2	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	46
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
4	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	43
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38





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Quant Title : SVOA CALIBRATION

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

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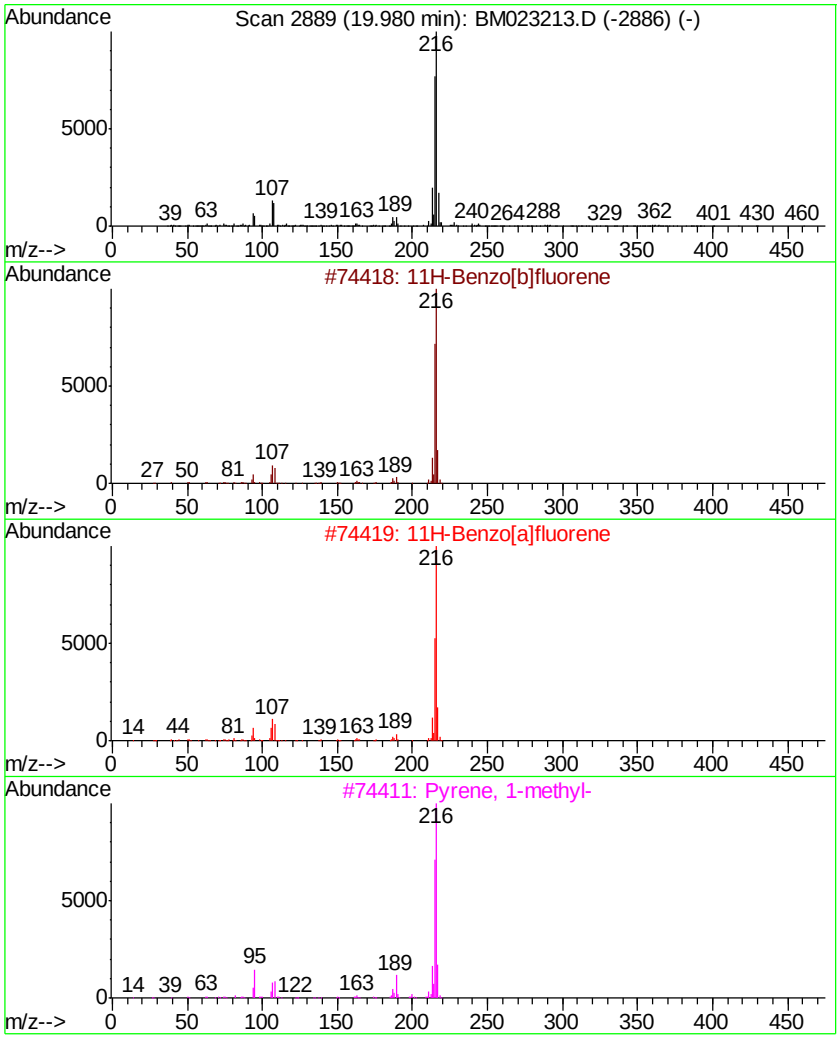
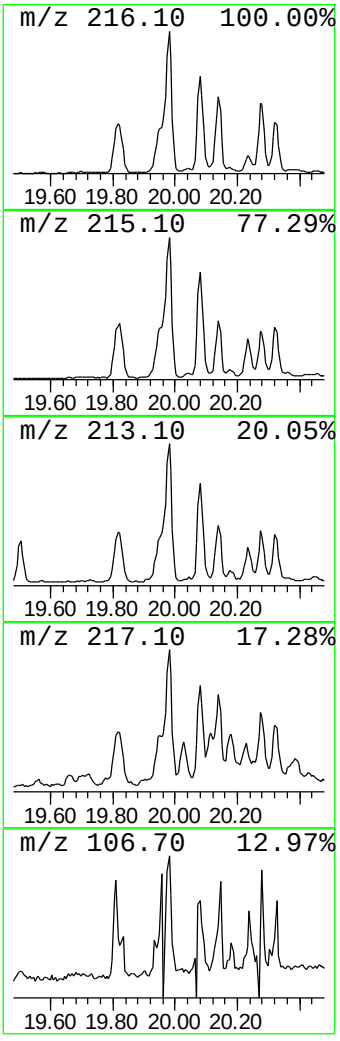
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.98	2.77 ng/ul	2189970	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





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Quant Title : SVOA CALIBRATION

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

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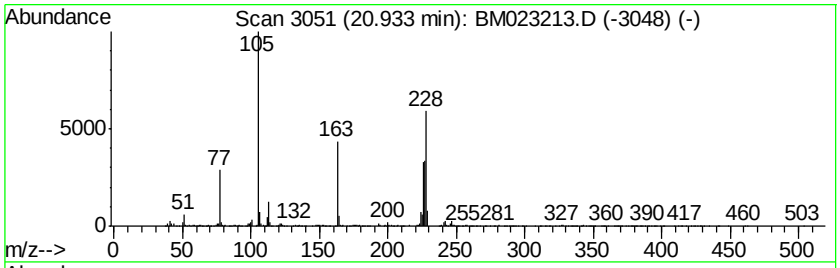
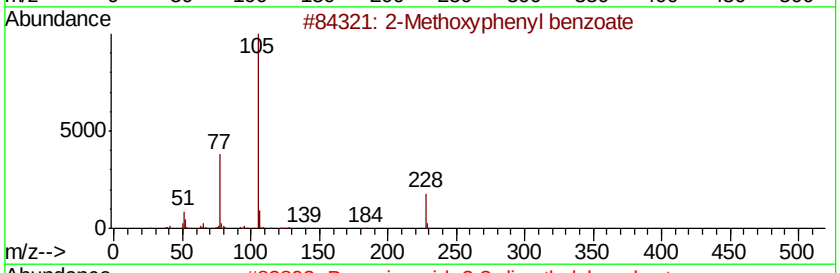
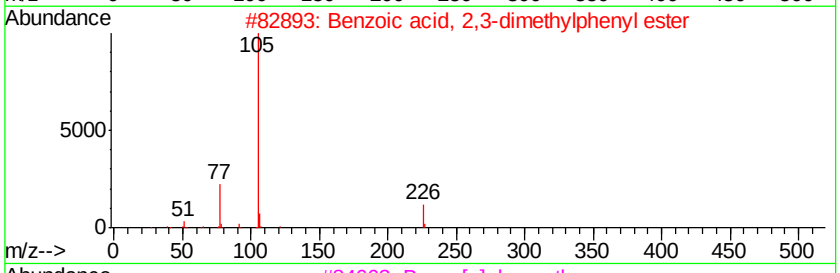
Peak Number 15 unknown-02 Concentration Rank 16

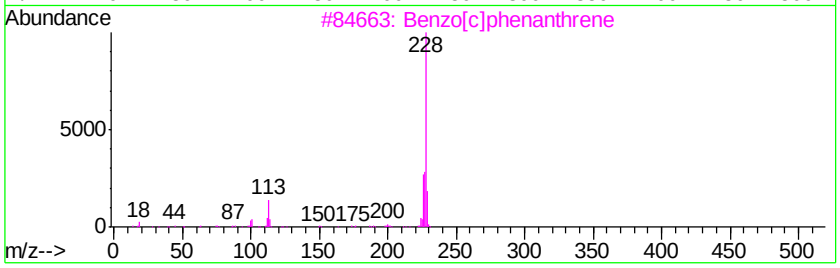
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	2.66 ng/ul	2100070	Chrysene-d12	21.24

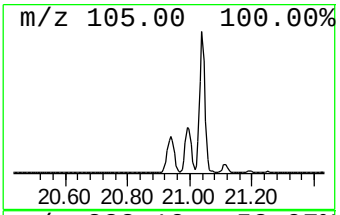
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methoxyphenyl benzoate	228	C14H12O3	000531-37-3	38
2	Benzoic acid, 2,3-dimethylphenyl...	226	C15H14O2	1000360-68-4	22
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	22
4	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	20
5	Triphenylene	228	C18H12	000217-59-4	18

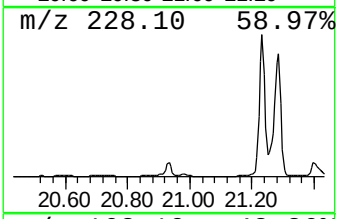


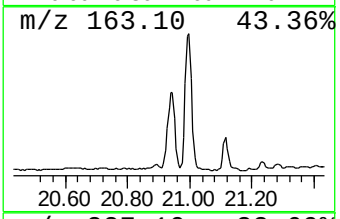


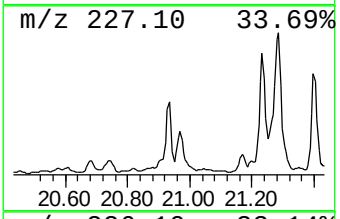


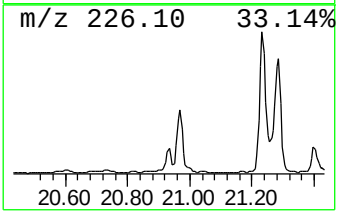












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
Data File : BM023213.D
Acq On : 17 Oct 2019 09:50
Operator : JU
Sample : K5262-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFBB0

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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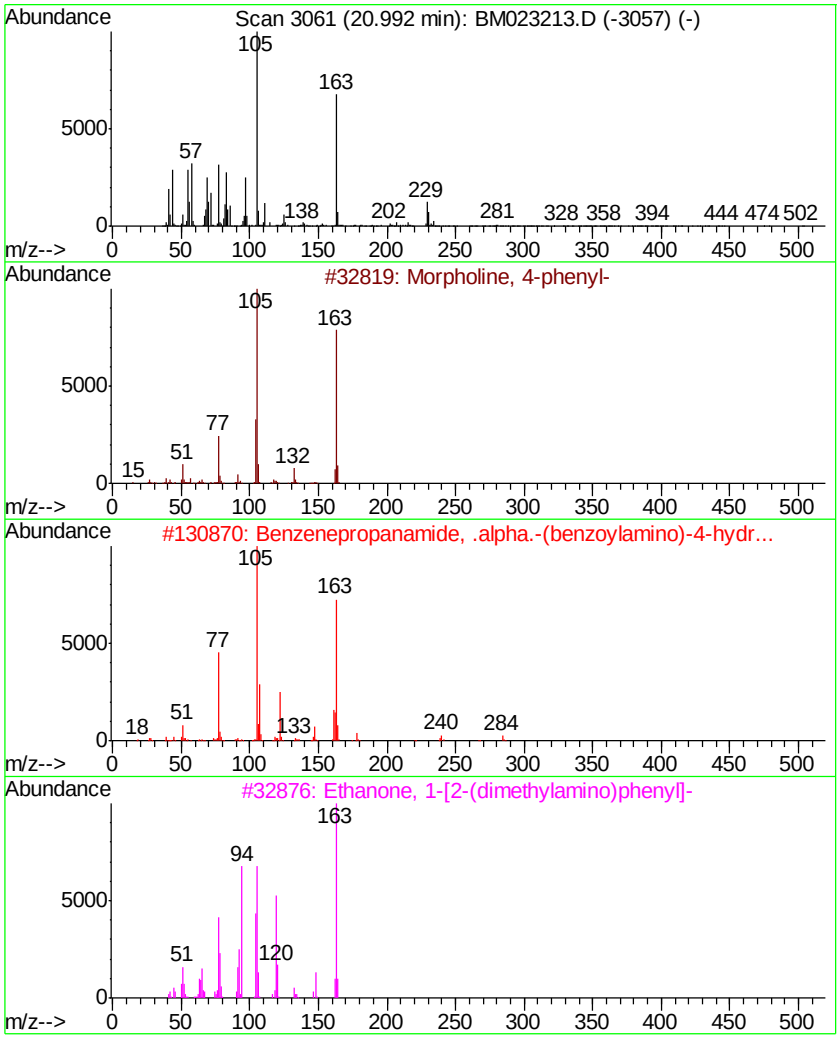
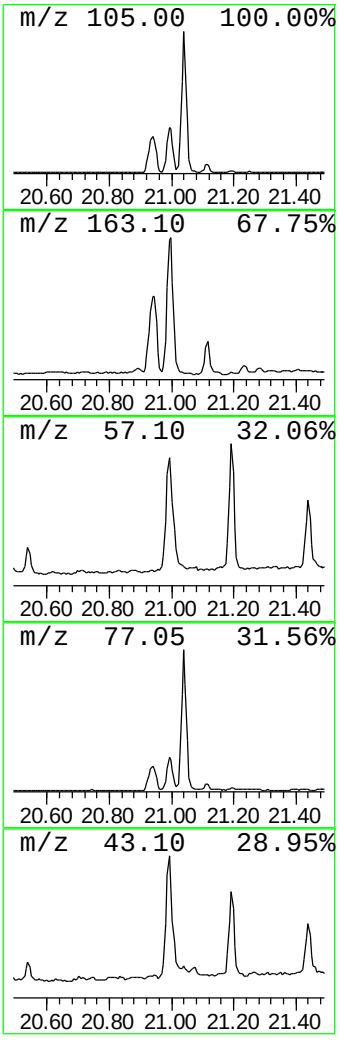
Peak Number 16 unknown-03 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	6.87 ng/ul	5435680	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Morpholine, 4-phenyl-	163	C10H13NO	000092-53-5	32
2	Benzenepropanamide, .alpha.-(ben...	284	C16H16N2O3	058690-81-6	32
3	Ethanone, 1-[2-(dimethylamino)ph...	163	C10H13NO	010336-55-7	25
4	2,2,4-Trimethyl-3-phenyl-hex-5-e...	218	C15H22O	066534-36-9	25
5	1-Propanol, 2-[2-(benzoyloxy)pro...	342	C20H22O5	020109-39-1	23





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Data File : BM023213.D
Acq On : 17 Oct 2019 09:50
Operator : JU
Sample : K5262-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFBB0

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

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

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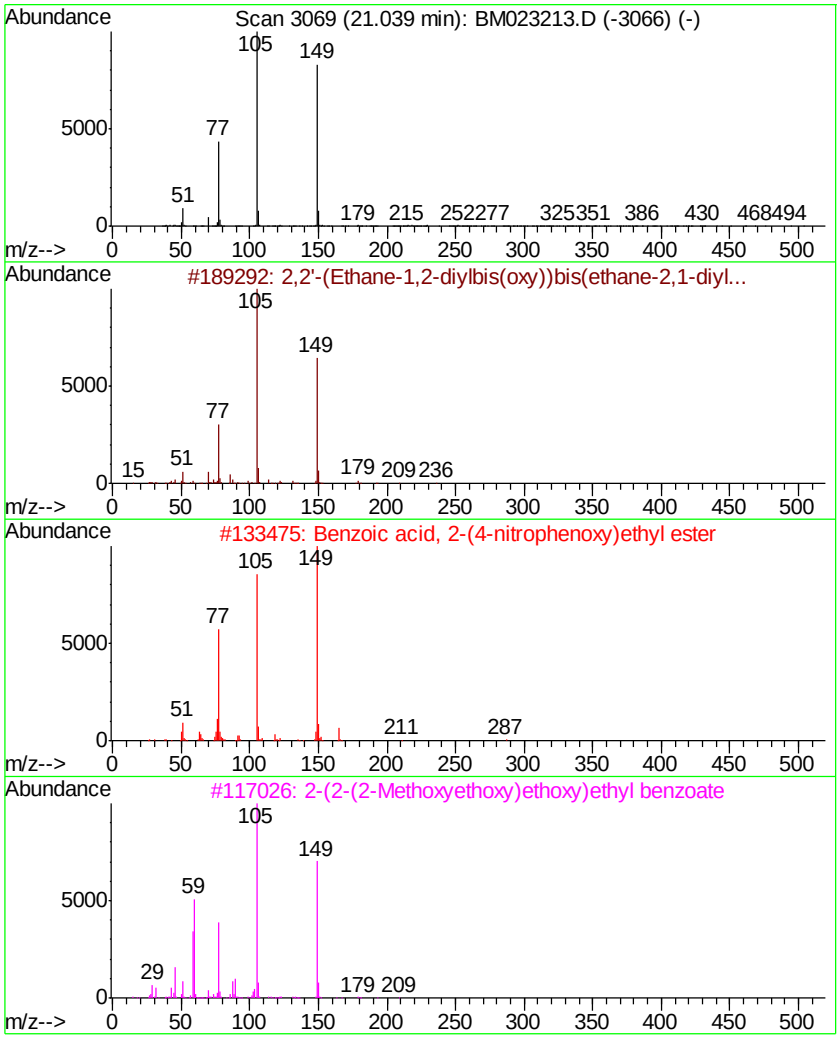
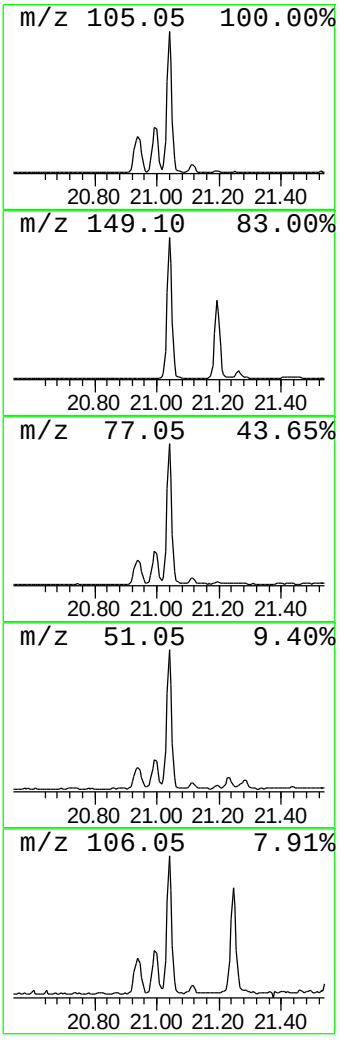
Peak Number 17 2,2'-(Ethane-1,2-diylbis(ox... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.04	7.71 ng/ul	6093150	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-(Ethane-1,2-divlbis(oxv))bi...	358	C20H22O6	1000366-99-4	83
2	Benzoic acid, 2-(4-nitrophenoxy)...	287	C15H13NO5	1000368-92-7	78
3	2-(2-(2-Methoxvethoxv)ethoxv)eth...	268	C14H20O5	1000366-99-1	74
4	1,3-Dioxolane, 2-(methoxvmethvl)...	194	C11H14O3	1000156-71-2	59
5	3,6,9,12-Tetraoxatetradecane-1,1...	446	C24H30O8	1000366-97-0	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
Data File : BM023213.D
Acq On : 17 Oct 2019 09:50
Operator : JU
Sample : K5262-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFBB0

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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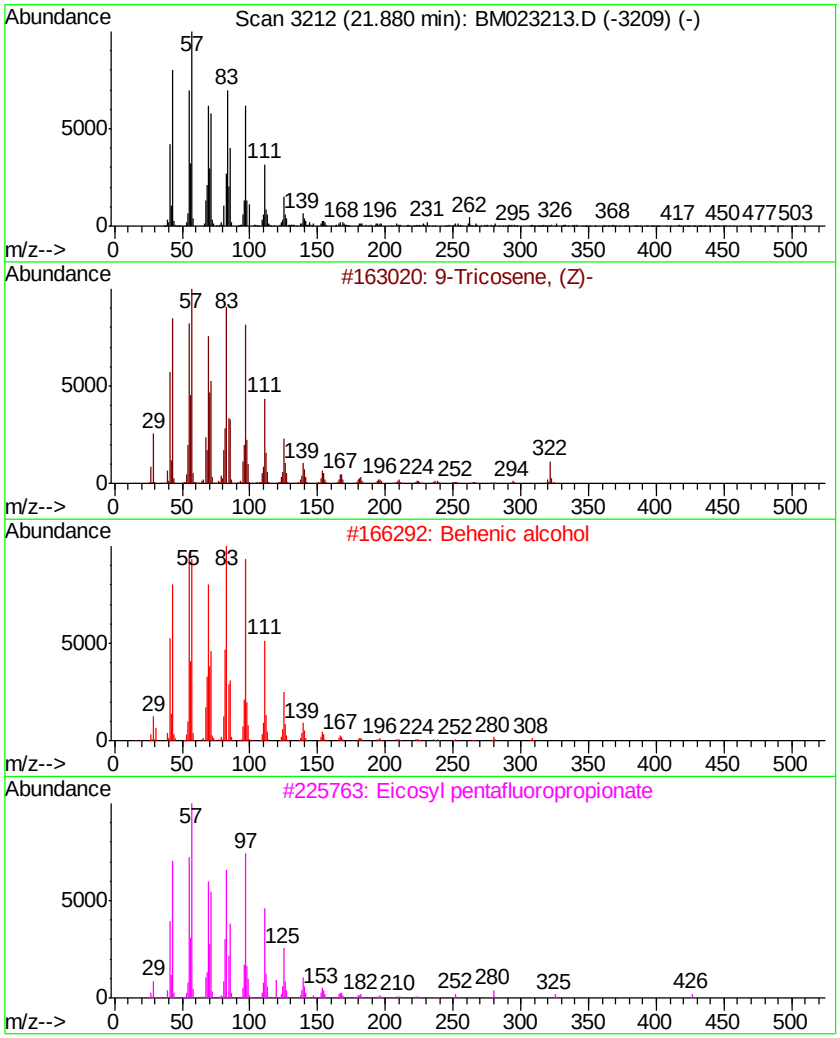
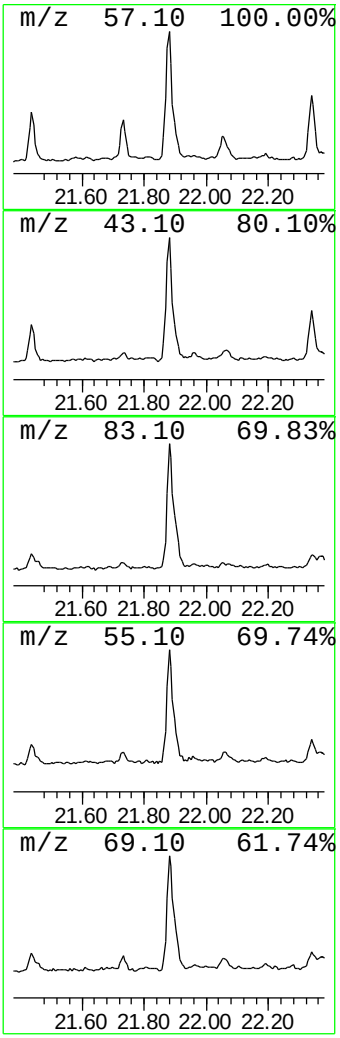
Peak Number 18 (DEL) Alkane: Cyclic21.88 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.88	4.66 ng/ul	3682940	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Tricosene, (Z)-	322	C23H46	027519-02-4	93
2	Behenic alcohol	326	C22H46O	000661-19-8	93
3	Eicosyl pentafluoropropionate	444	C23H41F5O2	1000351-80-8	91
4	Nonadecyl trifluoroacetate	380	C21H39F3O2	1000351-76-3	91
5	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	91





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Data File : BM023213.D
Acq On : 17 Oct 2019 09:50
Operator : JU
Sample : K5262-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFBB0

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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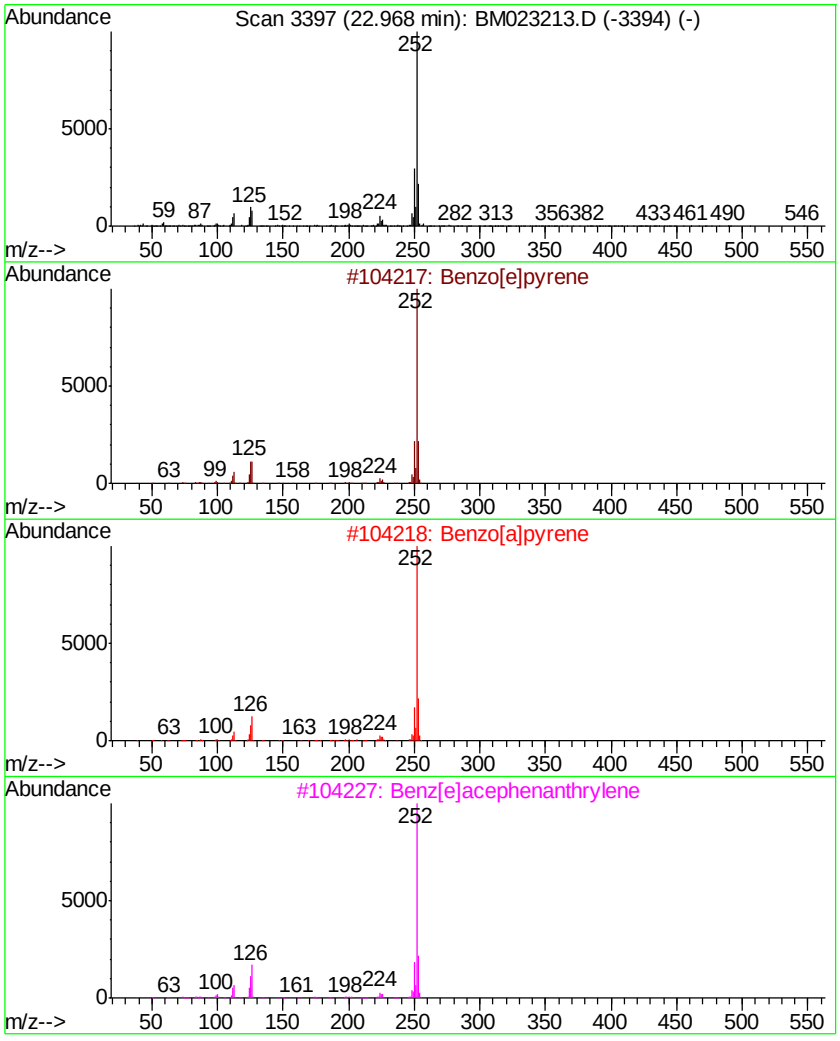
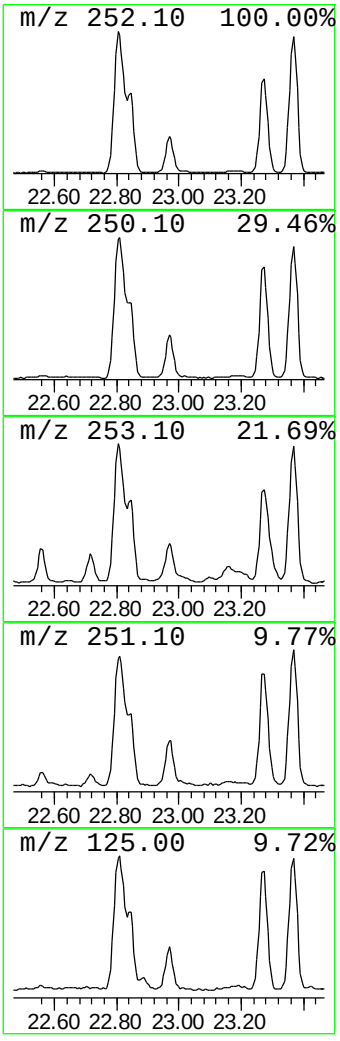
Peak Number 19 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.97	10.58 ng/ul	2241010	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101619\
Data File : BM023213.D
Acq On : 17 Oct 2019 09:50
Operator : JU
Sample : K5262-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFBB0

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1-me...	12.33	2.5	ng/ul	454945	2	10.45	3604590	20.0
9H-Fluoren-9-one	16.70	2.0	ng/ul	470547	4	17.06	4685510	20.0
Benzo[h]isoquinoline	17.24	2.2	ng/ul	517187	4	17.06	4685510	20.0
1,1'-Biphenyl, 2,...	17.65	2.8	ng/ul	659139	4	17.06	4685510	20.0
Phenanthrene, 2-m...	17.93	3.4	ng/ul	801167	4	17.06	4685510	20.0
Anthracene, 2-met...	17.98	7.8	ng/ul	1826220	4	17.06	4685510	20.0
4H-Cyclopenta[def...	18.13	11.7	ng/ul	2743760	4	17.06	4685510	20.0
Tricyclo[8.2.2.2(...	18.43	4.6	ng/ul	1072380	4	17.06	4685510	20.0
9,10-Anthracenedione	18.47	3.8	ng/ul	896559	4	17.06	4685510	20.0
9,10-Dimethylanth...	18.86	4.7	ng/ul	1111290	4	17.06	4685510	20.0
unknown-01	18.92	3.8	ng/ul	877590	4	17.06	4685510	20.0
1,1'-Biphenyl, 3,...	18.96	2.8	ng/ul	643494	4	17.06	4685510	20.0
Cyclopenta(def)ph...	18.99	4.8	ng/ul	1135850	4	17.06	4685510	20.0
11H-Benzo[b]fluorene	19.98	2.8	ng/ul	2189970	5	21.24	15813000	20.0
unknown-02	20.93	2.7	ng/ul	2100070	5	21.24	15813000	20.0
unknown-03	20.99	6.9	ng/ul	5435680	5	21.24	15813000	20.0
2,2'-(Ethane-1,2-...	21.04	7.7	ng/ul	6093150	5	21.24	15813000	20.0
(DEL) Alkane: Cyc...	21.88	4.7	ng/ul	3682940	5	21.24	15813000	20.0
Benzo[e]pyrene	22.97	10.6	ng/ul	2241010	6	23.46	4238310	20.0