LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010721.D
Acq On : 24 Jun 2017 09:50
Operator : SJ/JU
Sample : I3627-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A93

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.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	6.169	553	558	565	rBV	118522	168107	1.89%	0.166%
2	6.645	629	639	649	rVB2	331212	667666	7.49%	0.659%
3	6.810	658	667	674	rBV	227963	334894	3.76%	0.330%
4	6.998	692	699	707	rBV	330407	502260	5.63%	0.496%
5	7.457	770	777	784	rBV	388561	578581	6.49%	0.571%
6	8.163	891	897	905	rBV	384332	590338	6.62%	0.583%
7	8.604	965	972	978	rBV	359520	558290	6.26%	0.551%
8	9.316	1087	1093	1100	rBV	315811	497611	5.58%	0.491%
9	9.845	1177	1183	1191	rVB	484097	783442	8.79%	0.773%
10	10.222	1240	1247	1253	rBV	577840	908643	10.19%	0.897%
11	10.363	1262	1271	1279	rBV	263419	425966	4.78%	0.420%
12	11.945	1534	1540	1548	rVB	120843	186186	2.09%	0.184%
13	13.433	1787	1793	1799	rVB	900838	1218984	13.67%	1.203%
14	13.533	1803	1810	1814	rBV	975719	1341803	15.05%	1.324%
15	13.580	1814	1818	1821	rVV	471104	666971	7.48%	0.658%
16	13.610	1821	1823	1829	rVB	256194	291227	3.27%	0.287%
17	13.798	1848	1855	1866	rBV	983112	1530023	17.16%	1.510%
18	14.080	1898	1903	1905	rBV	249811	372272	4.18%	0.367%
19	14.110	1905	1908	1915	rVB2	886900	1288549	14.45%	1.272%
20	14.321	1938	1944	1949	rBV	341069	470868	5.28%	0.465%
21	14.380	1949	1954	1961	rVB5	83529	179947	2.02%	0.178%
22	15.109	2071	2078	2084	rBV	1289366	1905376	21.37%	1.880%
23	15.162	2084	2087	2092	rVV	118137	168931	1.89%	0.167%
24	15.239	2094	2100	2107	rVB	386113	544935	6.11%	0.538%
25	15.609	2155	2163	2172	rVB3	117293	220148	2.47%	0.217%
26	16.145	2250	2254	2259	rBV2	192367	259388	2.91%	0.256%
27	16.868	2370	2377	2380	rVV	1174402	1684244	18.89%	1.662%
28	16.909	2380	2384	2388	rVV	788675	1103508	12.38%	1.089%
29	16.968	2388	2394	2396	rVV	1300941	1940970	21.77%	1.915%
30	17.003	2396	2400	2405	rVV	4190784	5449350	61.13%	5.378%
31	17.274	2436	2446	2451	rBV	1252445	1733535	19.45%	1.711%
32	17.739	2519	2525	2529	rBV2	232299	409623	4.59%	0.404%
33	17.792	2529	2534	2542	rVB2	765850	1015460	11.39%	1.002%
34	17.868	2542	2547	2552	rVB	261650	352695	3.96%	0.348%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I3627-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A93

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Title : SVOA CALIBRATION

35	17.933	2552	2558	2562	rBV2	198550	362533	4.07%	0.358%
36	17.974	2562	2565	2570	rVB	154761	191835	2.15%	0.189%
37	18.050	2573	2578	2582	rBV3	71265	133819	1.50%	0.132%
38	18.092	2582	2585	2589	rVB	127005	156627	1.76%	0.155%
39	18.256	2608	2613	2615	rVV	270087	368477	4.13%	0.364%
40	18.298	2615	2620	2626	rVB	3016672	4208817	47.21%	4.153%
41	18.674	2678	2684	2689	rBV2	239623	383448	4.30%	0.378%
42	18.733	2689	2694	2698	rBV2	159940	250609	2.81%	0.247%
43	18.815	2703	2708	2717	rVB2	469251	723694	8.12%	0.714%
44	18.945	2717	2730	2736	rBV	6683513	8914598	100.00%	8.797%
45	19.045	2744	2747	2751	rVB3	101520	136878	1.54%	0.135%
46	19.086	2751	2754	2759	rVB	251696	291725	3.27%	0.288%
47	19.145	2759	2764	2768	rBV2	221538	360607	4.05%	0.356%
48	19.186	2768	2771	2775	rVB	158469	201009	2.25%	0.198%
49	19.280	2781	2787	2789	rBV	2399526	3510472	39.38%	3.464%
50	19.309	2789	2792	2799	rVV	5130670	6586910	73.89%	6.500%
51	19.380	2799	2804	2811	rVB2	237313	413374	4.64%	0.408%
52	19.486	2816	2822	2828	rBV	386114	589825	6.62%	0.582%
53	19.544	2828	2832	2839	rVB2	195652	353483	3.97%	0.349%
54	19.644	2839	2849	2853	rBV2	404640	1026625	11.52%	1.013%
55	19.692	2853	2857	2861	rVB4	256131	321111	3.60%	0.317%
56	19.768	2866	2870	2873	rBV3	312134	544103	6.10%	0.537%
57	19.844	2880	2883	2890	rVB5	145138	226021	2.54%	0.223%
58	19.909	2890	2894	2897	rVB	136066	166997	1.87%	0.165%
59	19.962	2897	2903	2908	rBV2	544081	862229	9.67%	0.851%
60	20.003	2908	2910	2914	rVB2	138871	164146	1.84%	0.162%
61	20.056	2914	2919	2923	rBV3	165751	243868	2.74%	0.241%
62	20.103	2923	2927	2930	rBV	241929	342175	3.84%	0.338%
63	20.356	2966	2970	2974	rBV4	156668	246633	2.77%	0.243%
64	20.491	2988	2993	2996	rVV2	165883	255318	2.86%	0.252%
65	20.562	3000	3005	3011	rVB	1093216	1402792	15.74%	1.384%
66	20.656	3016	3021	3025	rVB	4212984	4697967	52.70%	4.636%
67	20.727	3026	3033	3037	rBV2	702122	1269854	14.24%	1.253%
68	20.768	3037	3040	3043	rVV	403384	509751	5.72%	0.503%
69	20.815	3043	3048	3052	rVV2	626655	1121866	12.58%	1.107%
70	20.862	3052	3056	3060	rVB	872972	1045820	11.73%	1.032%
71	20.968	3070	3074	3081	rVB2	174137	280962	3.15%	0.277%

LSC Area Percent Report

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Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A93

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
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Title : SVOA CALIBRATION

72	21.074	3082	3092	3097	rBV3	2689472	5837426	65.48%	5.761%
73	21.121	3097	3100	3111	rVB	2941445	3893203	43.67%	3.842%
74	21.262	3117	3124	3126	rBV5	118473	219200	2.46%	0.216%
75	21.344	3134	3138	3142	rVB	755540	938227	10.52%	0.926%
76	21.391	3142	3146	3150	rVV2	251460	413024	4.63%	0.408%
77	21.438	3151	3154	3157	rVV2	191351	247127	2.77%	0.244%
78	21.621	3180	3185	3190	rVB	385298	579908	6.51%	0.572%
79	21.680	3190	3195	3201	rBV4	402964	707190	7.93%	0.698%
80	21.809	3213	3217	3220	rBV2	154024	223634	2.51%	0.221%
81	21.838	3220	3222	3228	rVV5	104339	157403	1.77%	0.155%
82	21.909	3231	3234	3241	rVB3	142813	223598	2.51%	0.221%
83	22.033	3252	3255	3258	rBV4	106488	161168	1.81%	0.159%
84	22.074	3258	3262	3266	rVB	161778	224586	2.52%	0.222%
85	22.338	3302	3307	3308	rBV	151891	218785	2.45%	0.216%
86	22.597	3344	3351	3356	rBV2	1831854	4194517	47.05%	4.139%
87	22.750	3373	3377	3385	rVB	159351	252179	2.83%	0.249%
88	22.874	3394	3398	3407	rBV3	125278	282023	3.16%	0.278%
89	23.044	3421	3427	3431	rBV	680755	1235189	13.86%	1.219%
90	23.091	3431	3435	3439	rVV2	824004	1479336	16.59%	1.460%
91	23.133	3439	3442	3449	rVB	893873	1386377	15.55%	1.368%
92	23.227	3451	3458	3462	rBV	675185	1281212	14.37%	1.264%
93	23.268	3462	3465	3473	rVB2	253383	486220	5.45%	0.480%
94	23.750	3542	3547	3555	rVB	460303	870379	9.76%	0.859%
95	23.827	3555	3560	3569	rVB8	139470	285354	3.20%	0.282%
96	24.368	3647	3652	3658	rBV8	92422	246748	2.77%	0.243%
97	25.262	3799	3804	3810	rBV5	123122	327568	3.67%	0.323%
98	25.332	3810	3816	3824	rVB2	285080	703900	7.90%	0.695%
99	25.979	3919	3926	3935	rVB2	172422	463237	5.20%	0.457%
100	26.085	3938	3944	3954	rVB5	223643	577612	6.48%	0.570%

Sum of corrected areas: 101334099

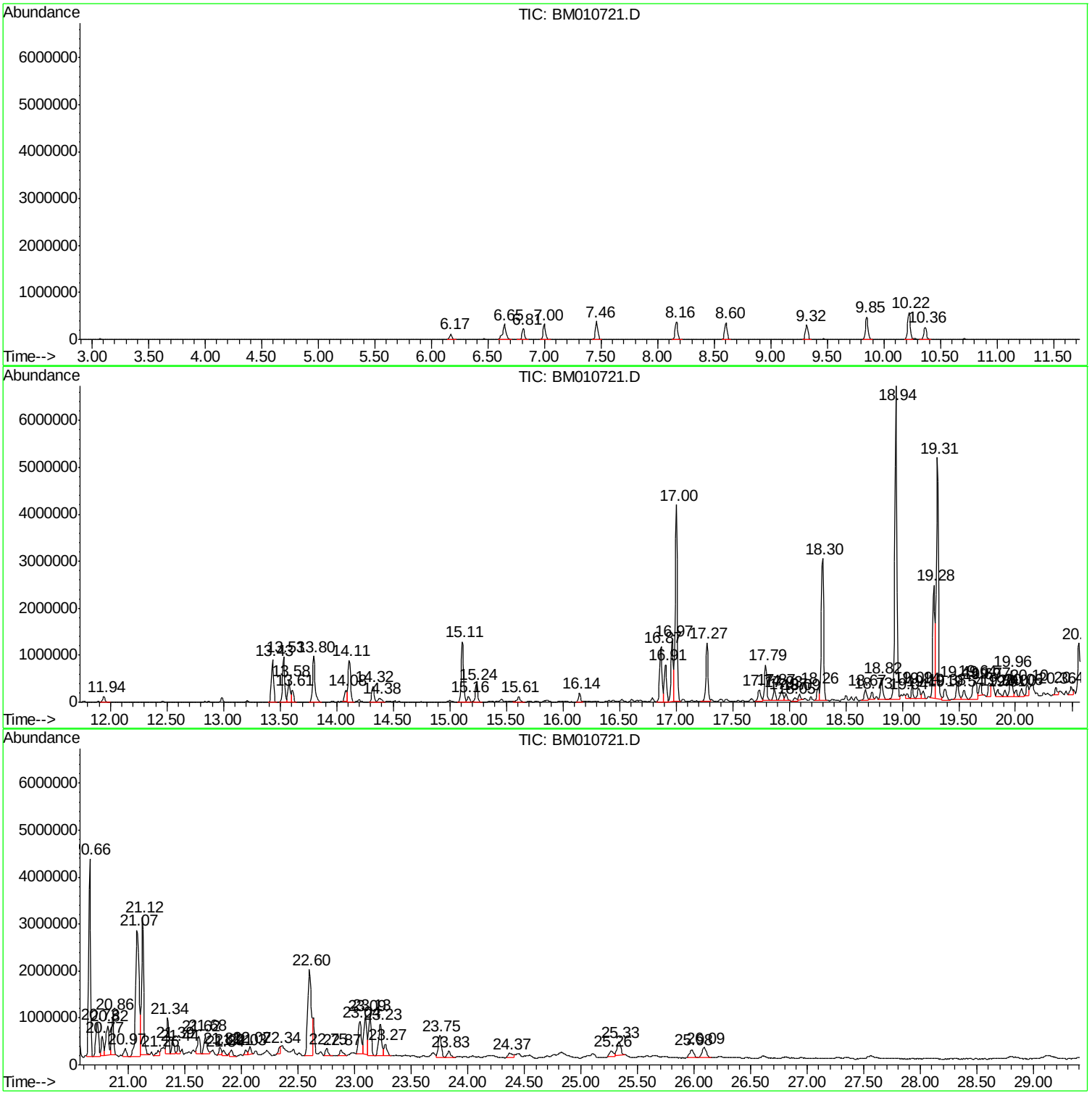
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010721.D
Acq On : 24 Jun 2017 09:50
Operator : SJ/JU
Sample : I3627-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A93

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010721.D
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Quant Title : SVOA CALIBRATION

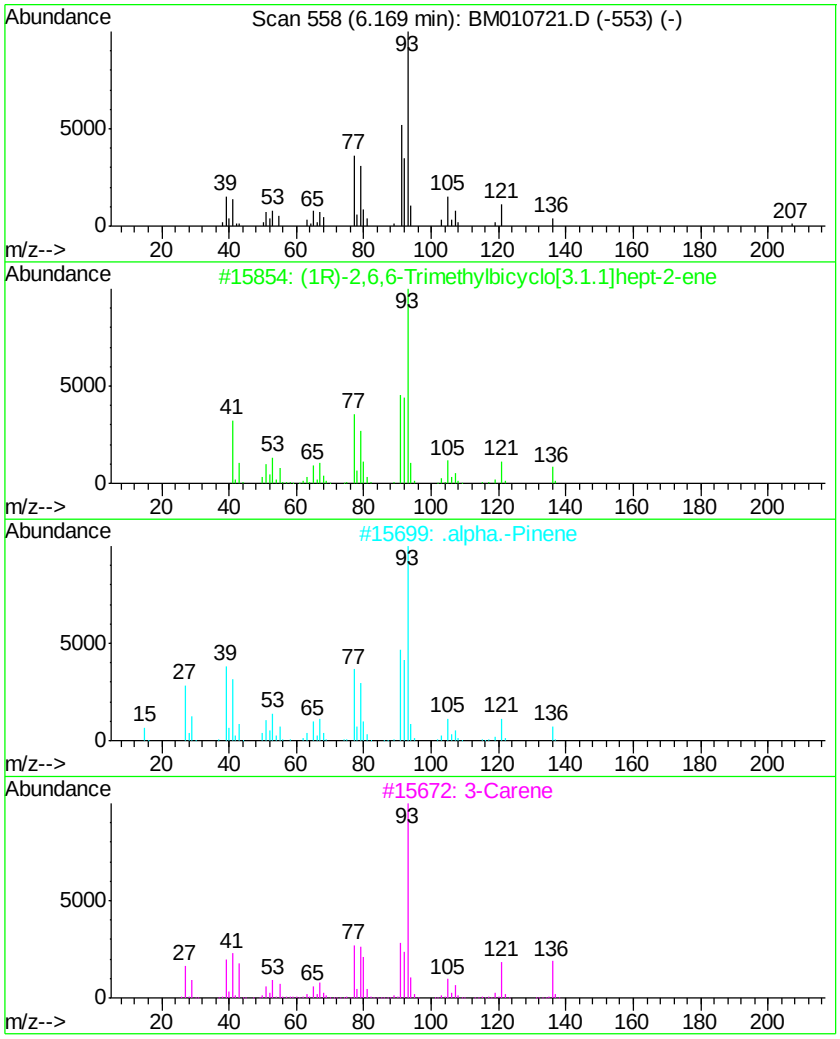
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

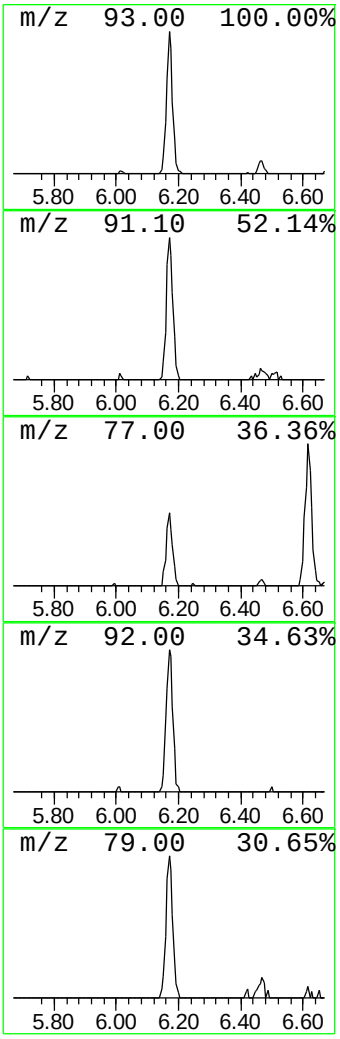
****

Peak Number 1 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	5.81 ng/ul	168107	1,4-Dichlorobenzene-d4	7.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	95
2	.alpha.-Pinene	136	C10H16	000080-56-8	95
3	3-Carene	136	C10H16	013466-78-9	91
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	90
5	3-Carene	136	C10H16	013466-78-9	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010721.D
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Sample : I3627-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A93

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

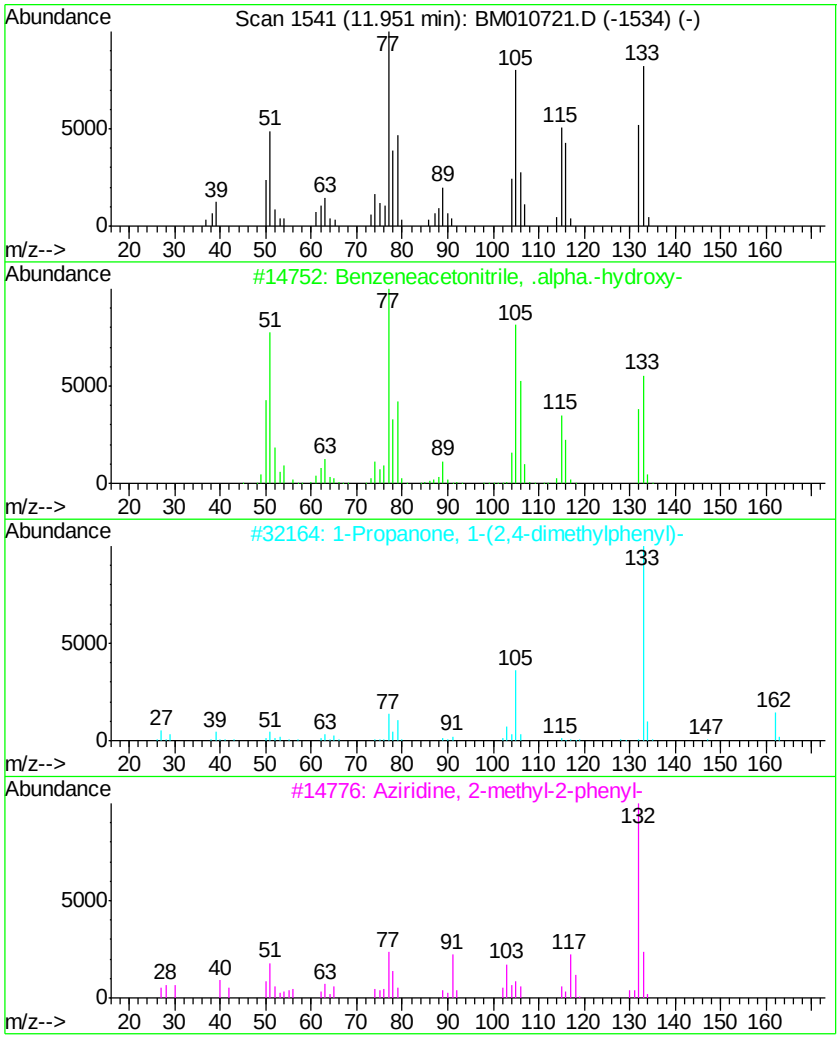
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

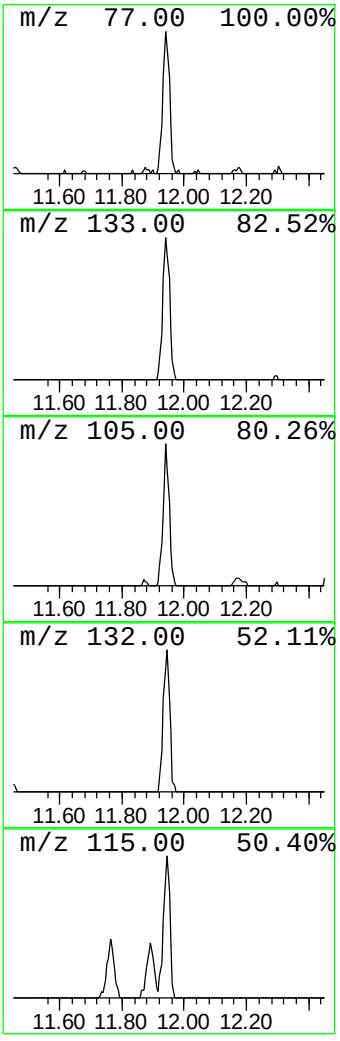
****

Peak Number 2 Benzeneacetonitrile, .alpha... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	4.10 ng/ul	186186	Naphthalene-d8	10.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetonitrile, .alpha.-hyd...	133	C8H7NO	000532-28-5	58
2	1-Propanone, 1-(2,4-dimethylphen...	162	C11H14O	035031-55-1	47
3	Aziridine, 2-methyl-2-phenyl-	133	C9H11N	022596-57-2	38
4	3-Pyridinemethanol, .alpha.-ethy...	147	C9H9NO	1000327-57-1	27
5	Benzeneacetonitrile, 4-hydroxy-	133	C8H7NO	014191-95-8	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
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Acq On : 24 Jun 2017 09:50
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Misc :
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Instrument : BNA_M
ClientSampleId : F5A93

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

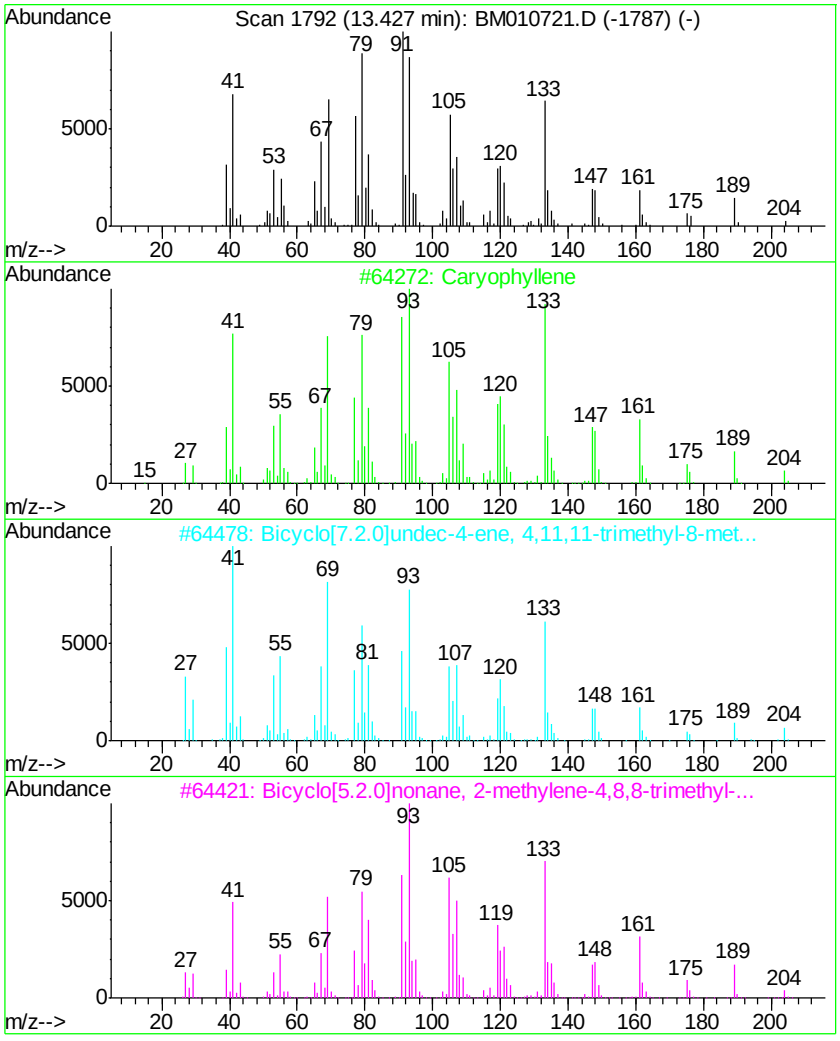
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

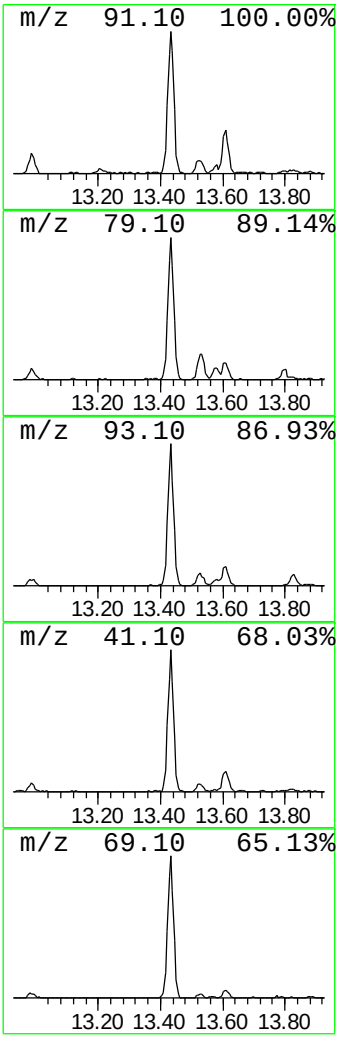
****

Peak Number 3 Caryophyllene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	18.92 ng/ul	1218980	Acenaphthene-d10	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Caryophyllene	204	C15H24	000087-44-5	99
2	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	000118-65-0	93
3	Bicyclo[5.2.0]nonane, 2-methylen...	204	C15H24	242794-76-9	89
4	Caryophyllene	204	C15H24	000087-44-5	72
5	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	000118-65-0	72





Library Search Compound Report

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Acq On : 24 Jun 2017 09:50
Operator : SJ/JU
Sample : I3627-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A93

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

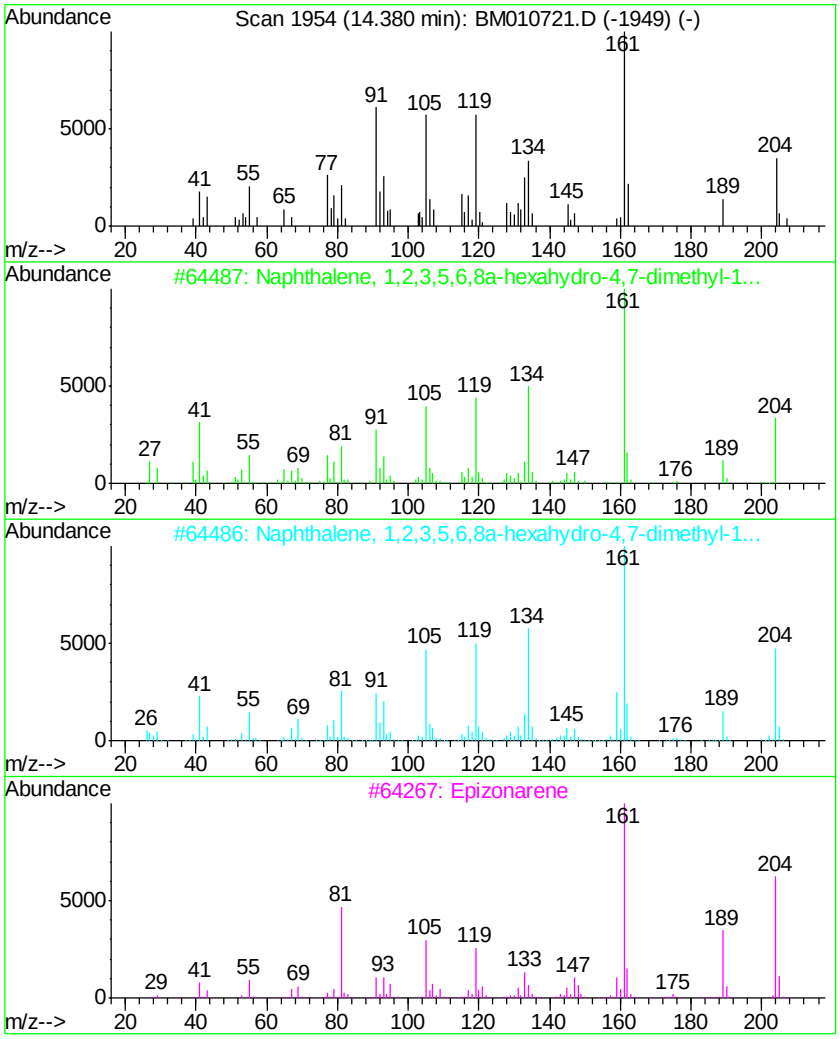
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

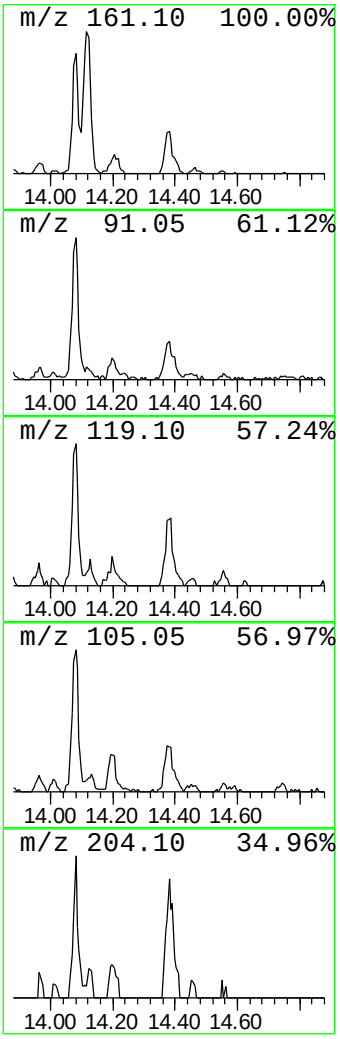
****

Peak Number 4 Naphthalene, 1,2,3,5,6,8a-h... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	2.79 ng/ul	179947	Acenaphthene-d10	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,5,6,8a-hexahy...	204	C15H24	000483-76-1	90
2	Naphthalene, 1,2,3,5,6,8a-hexahy...	204	C15H24	000483-76-1	90
3	Epizonarene	204	C15H24	041702-63-0	87
4	Isoledene	204	C15H24	1000156-10-8	81
5	Naphthalene, 1,2,3,5,6,8a-hexahy...	204	C15H24	000483-76-1	76





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Operator : SJ/JU
Sample : I3627-10
Misc :
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Instrument : BNA_M
ClientSampleId : F5A93

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

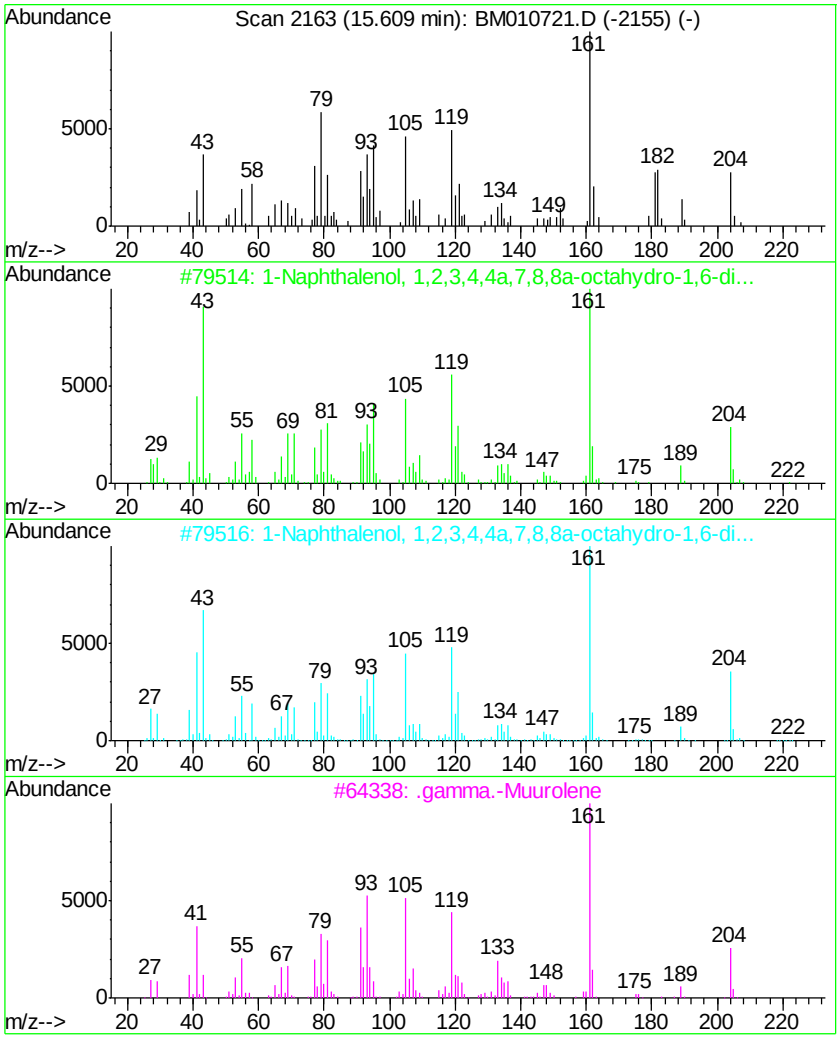
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

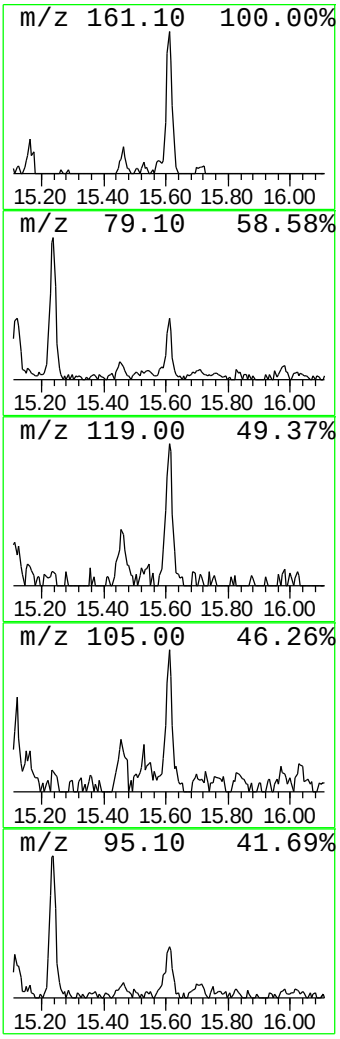
****

Peak Number 5 1-Naphthalenol, 1,2,3,4,4a,... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	2.61 ng/ul	220148	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol, 1,2,3,4,4a,7,8,8...	222	C15H26O	019435-97-3	81
2	1-Naphthalenol, 1,2,3,4,4a,7,8,8...	222	C15H26O	133645-25-7	58
3	.gamma.-Muurolene	204	C15H24	030021-74-0	53
4	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	039029-41-9	53
5	1-Naphthalenol, 1,2,3,4,4a,7,8,8...	222	C15H26O	019435-97-3	52





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Operator : SJ/JU
Sample : I3627-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A93

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Quant Title : SVOA CALIBRATION

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

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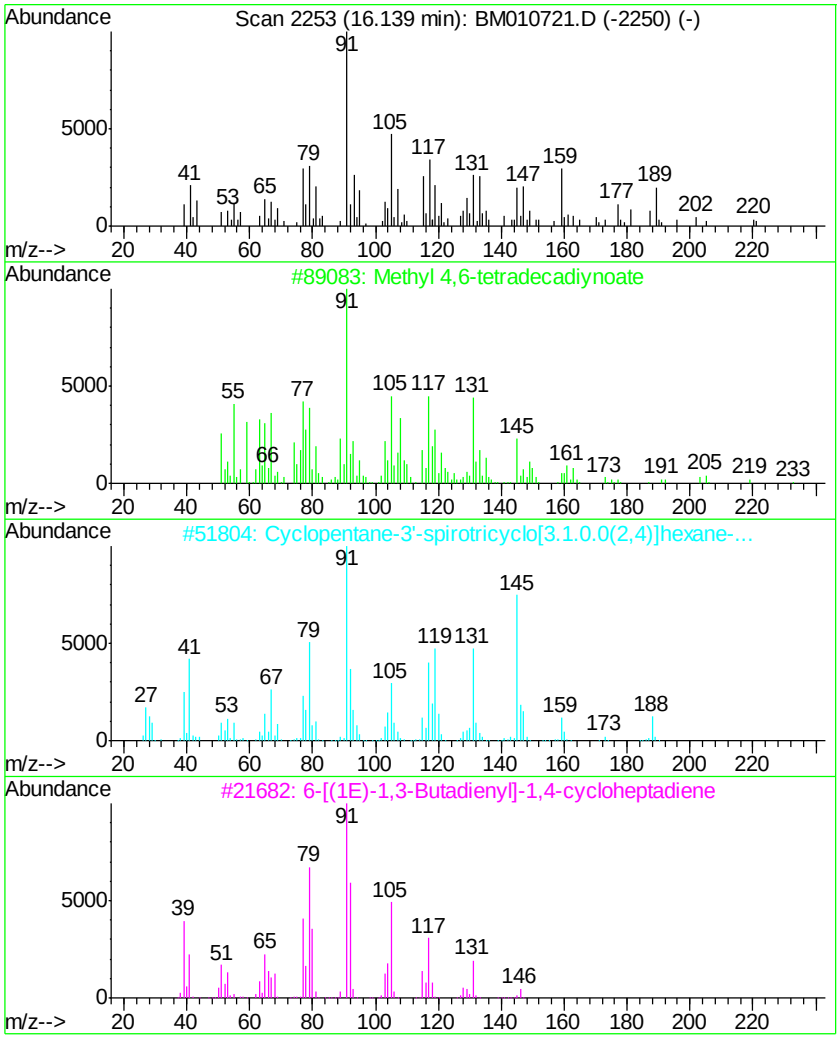
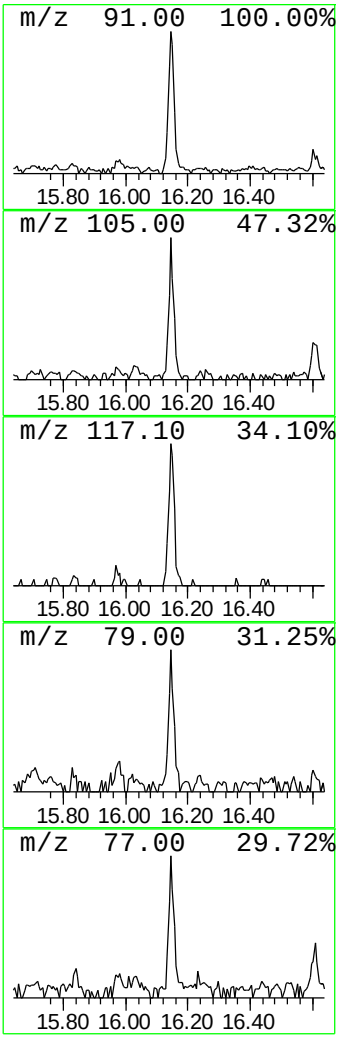
Peak Number 6 unknown-01 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	3.08 ng/ul	259388	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 4,6-tetradecadiynoate	234	C15H22O2	1000336-41-7	25
2	Cyclopentane-3'-spirotricyclo[3....	188	C14H20	078578-93-5	22
3	6-[(1E)-1,3-Butadienyl]-1,4-cycl...	146	C11H14	084984-82-7	20
4	2-Benzylcyclohexanone	188	C13H16O	000946-33-8	18
5	2-Benzyl-3-hydroxypropanoic acid...	208	C12H16O3	107749-65-5	14





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ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A93

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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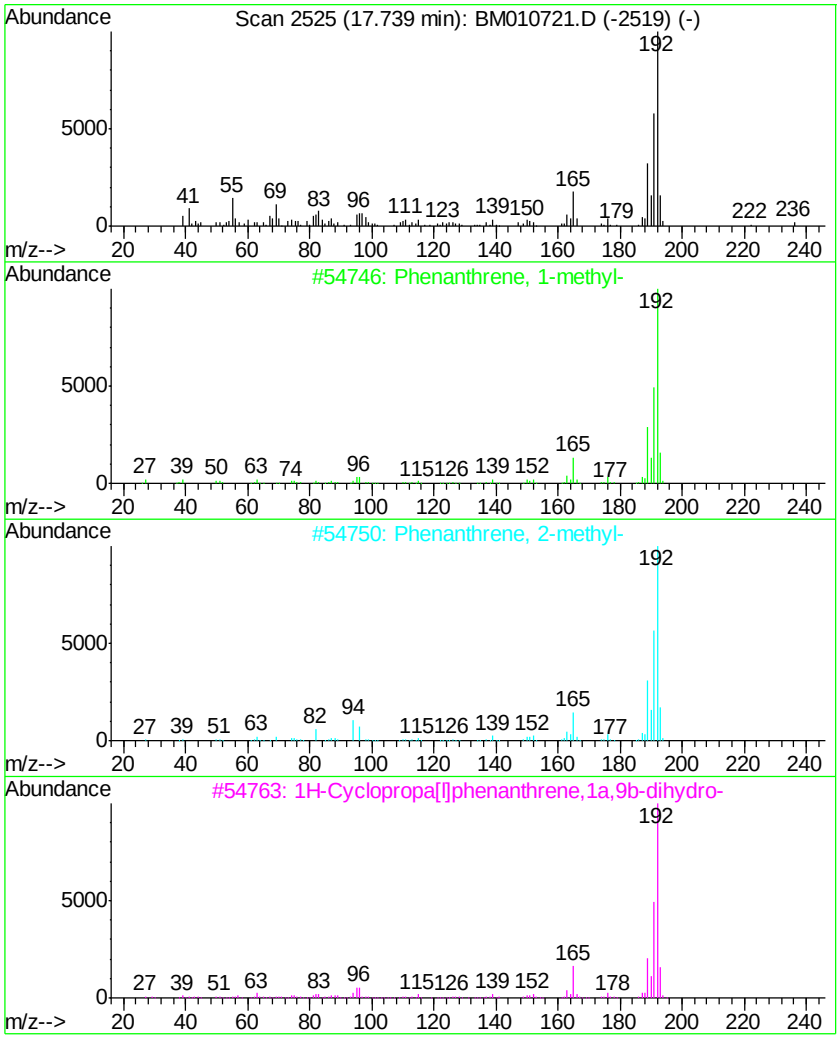
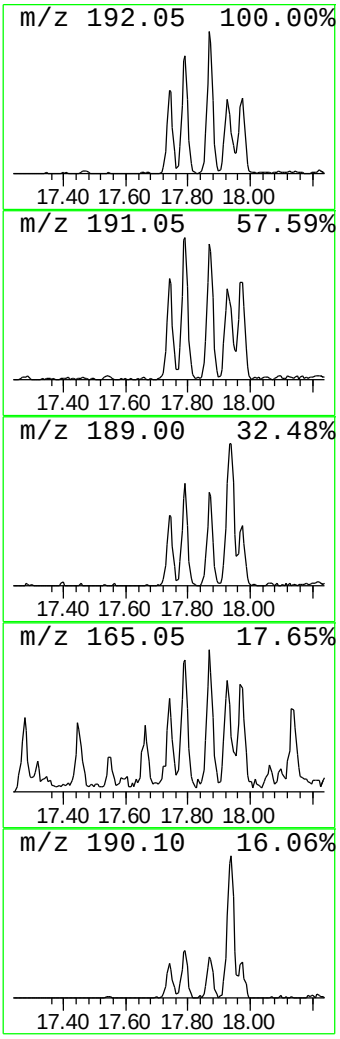
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	4.86 ng/ul	409623	Phenanthrene-d10	16.87

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





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Quant Title : SVOA CALIBRATION

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

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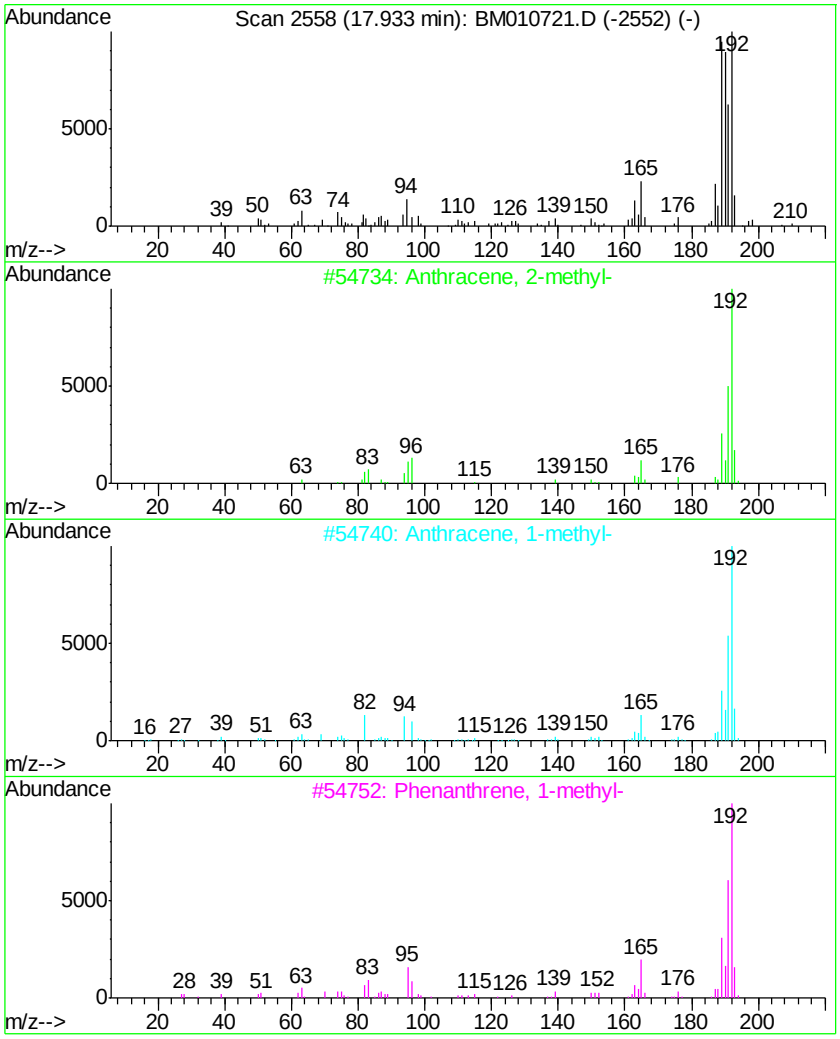
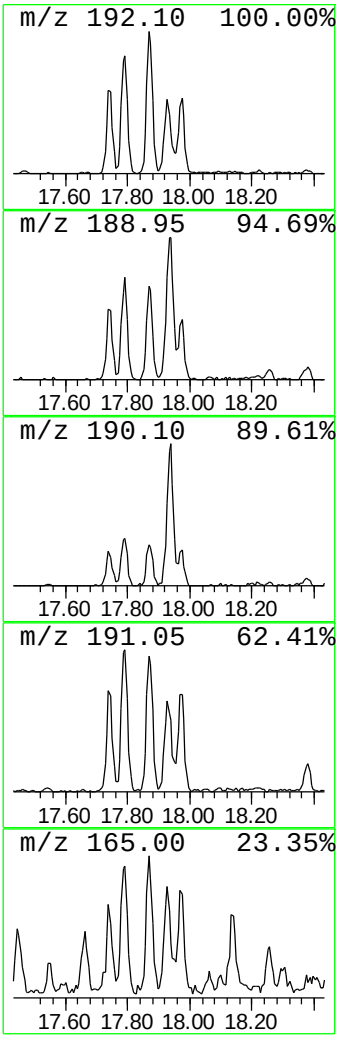
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	4.30 ng/ul	362533	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	50
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	45





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Quant Title : SVOA CALIBRATION

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

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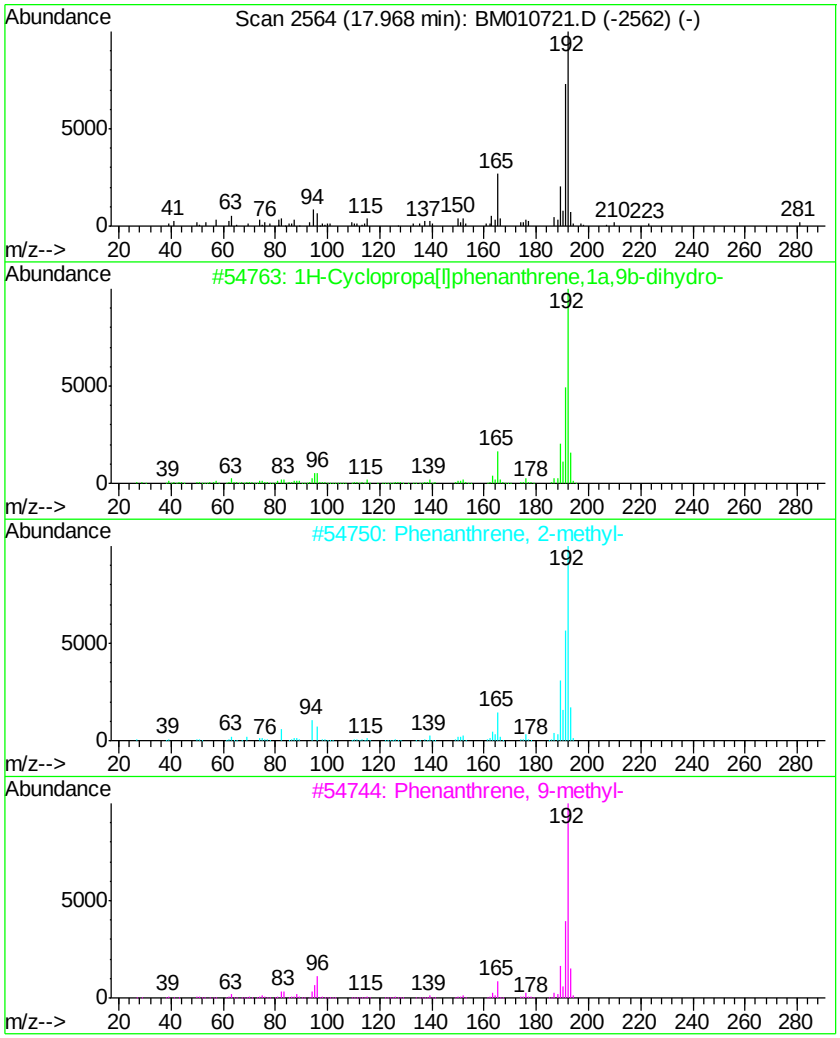
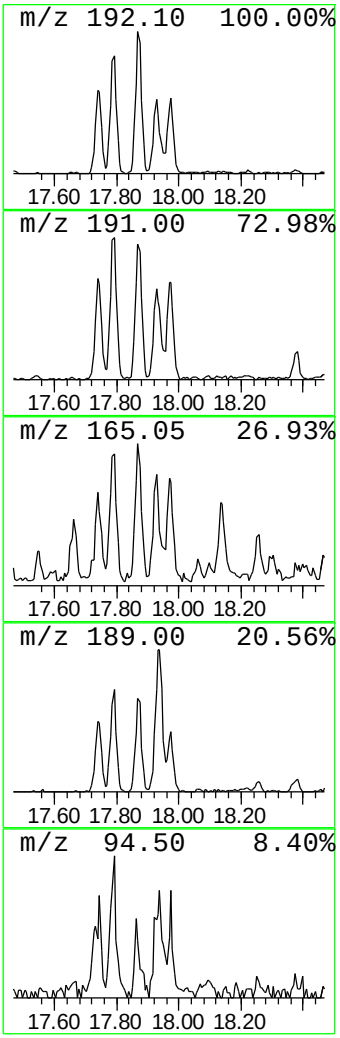
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	2.28 ng/ul	191835	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
3	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	76
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	76
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	76





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Quant Title : SVOA CALIBRATION

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

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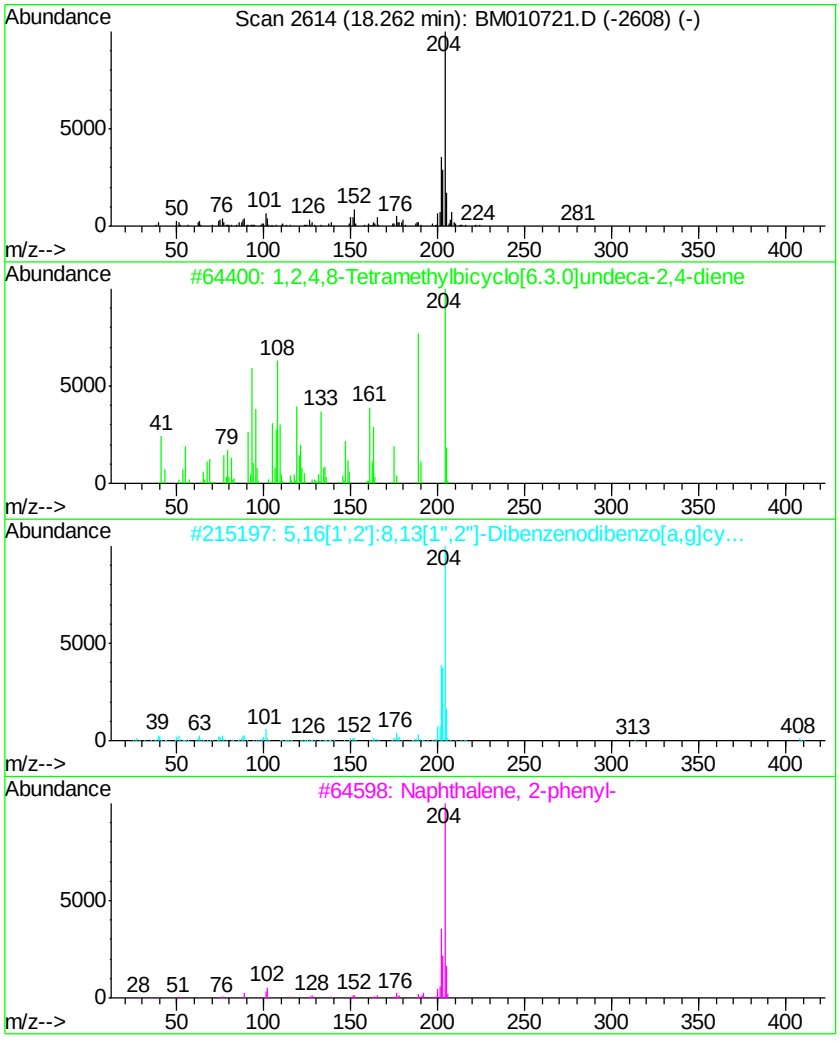
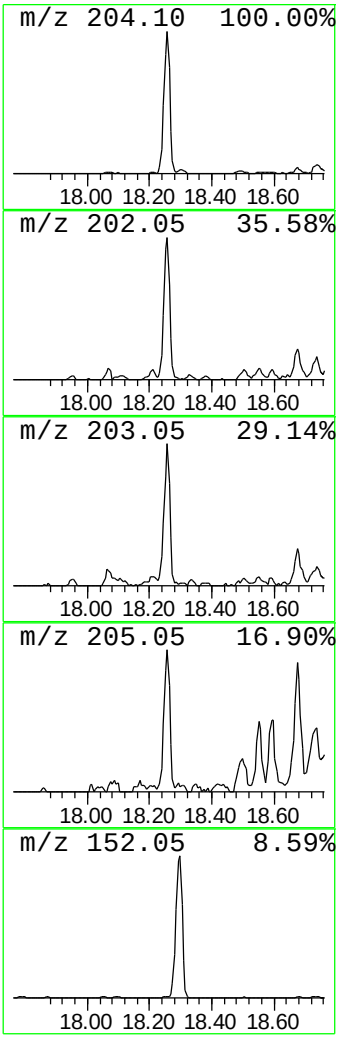
Peak Number 12 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	4.38 ng/ul	368477	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60





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Quant Title : SVOA CALIBRATION

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

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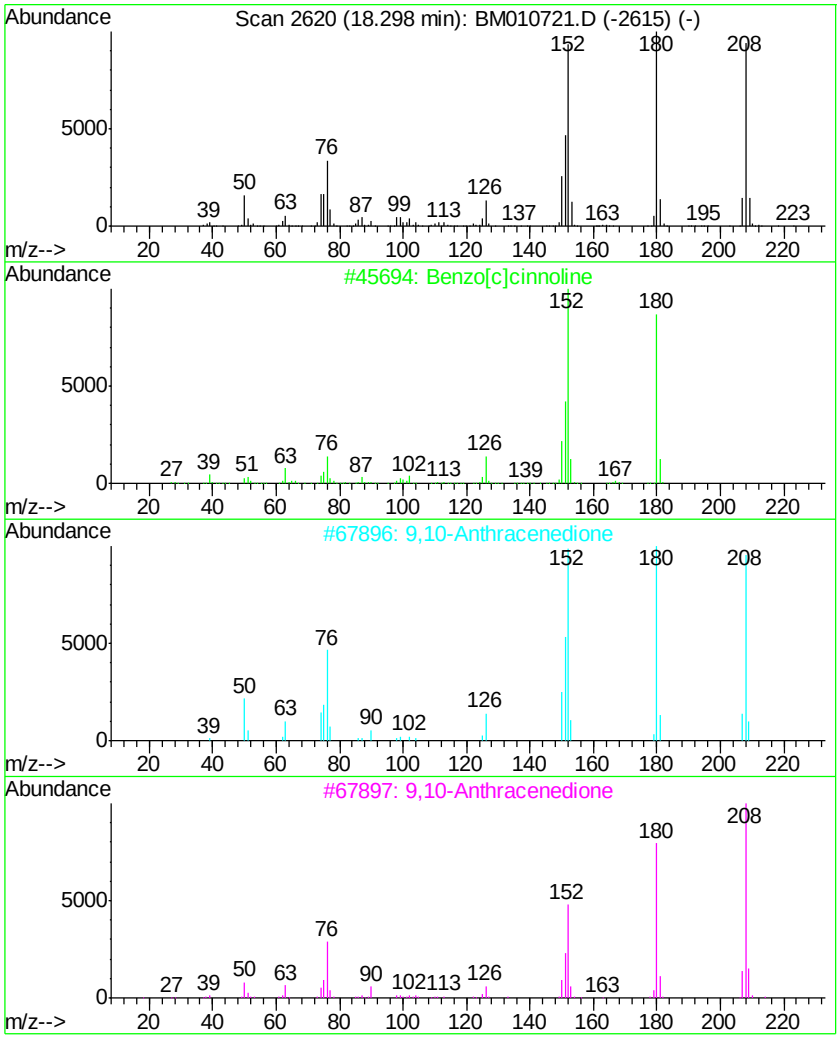
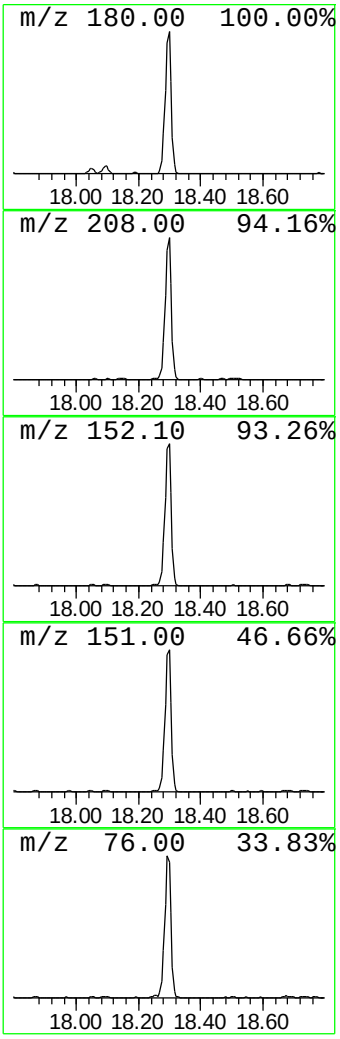
Peak Number 13 Benzo[c]cinnoline Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	49.98 ng/ul	4208820	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86





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Instrument : BNA_M
ClientSampleId : F5A93

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Quant Title : SVOA CALIBRATION

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

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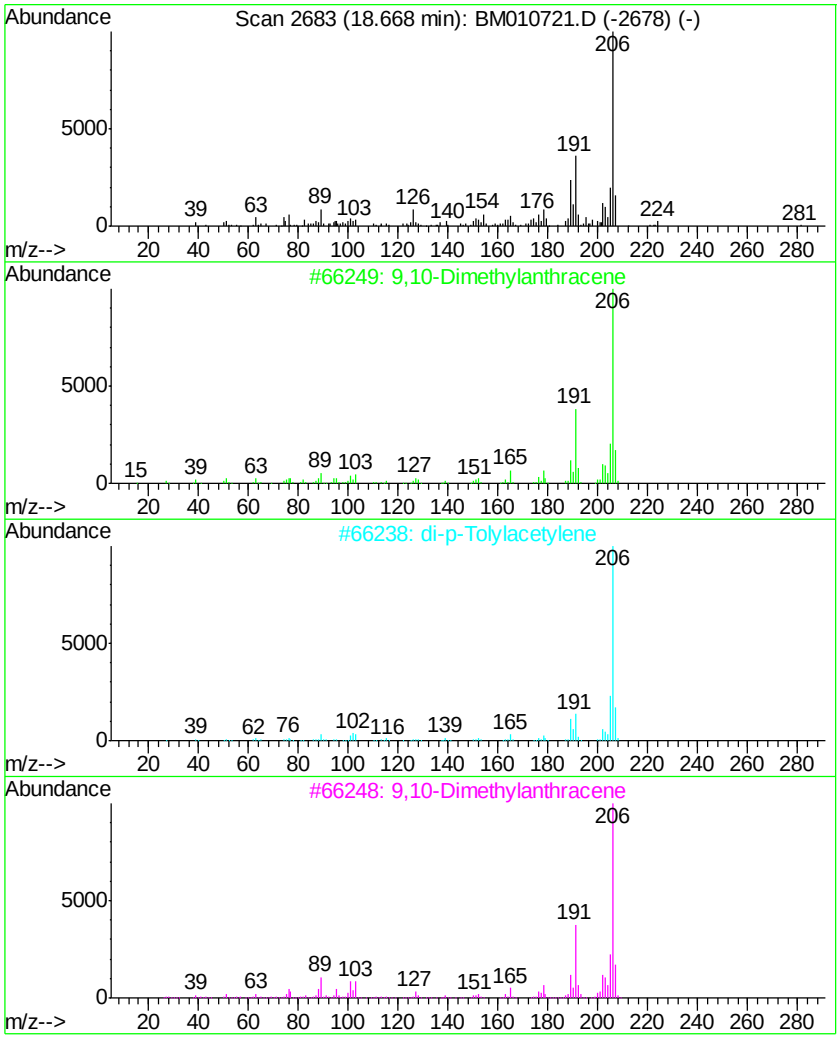
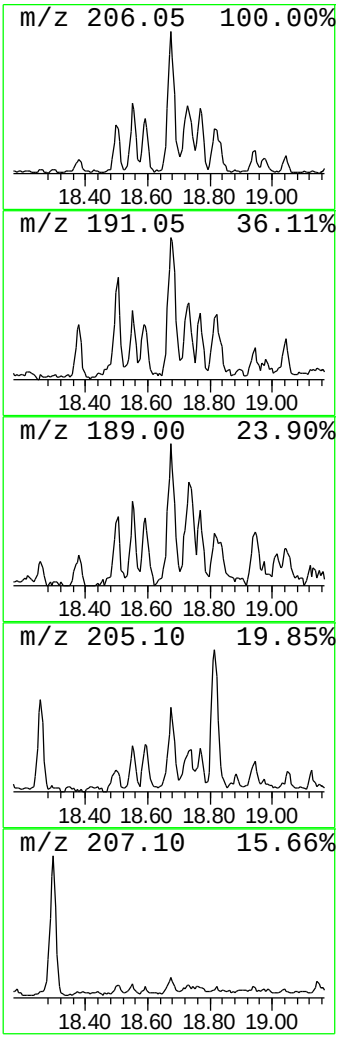
Peak Number 14 9,10-Dimethylanthracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	4.55 ng/ul	383448	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87





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Quant Title : SVOA CALIBRATION

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

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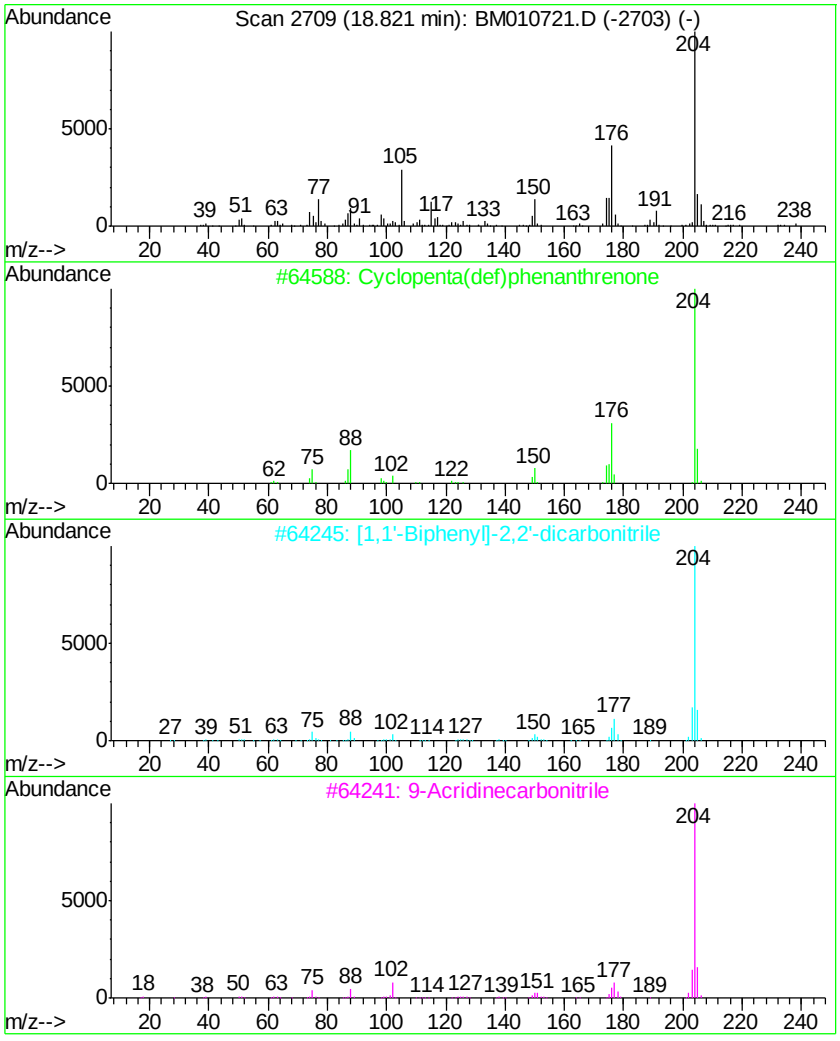
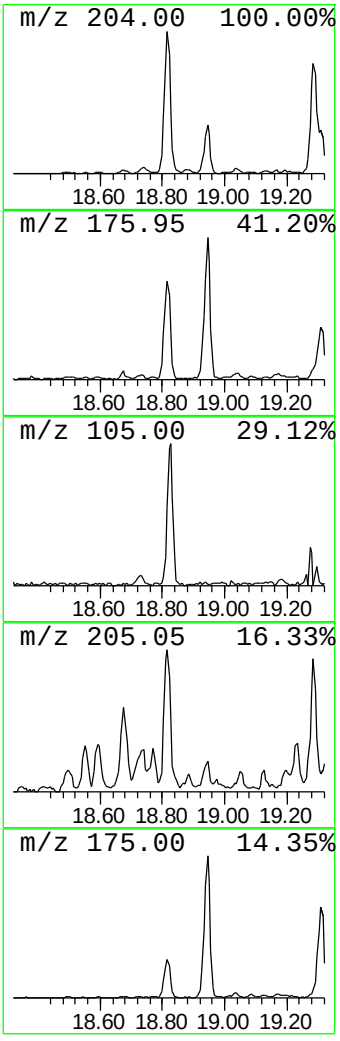
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	8.59 ng/ul	723694	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
4	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	45
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43





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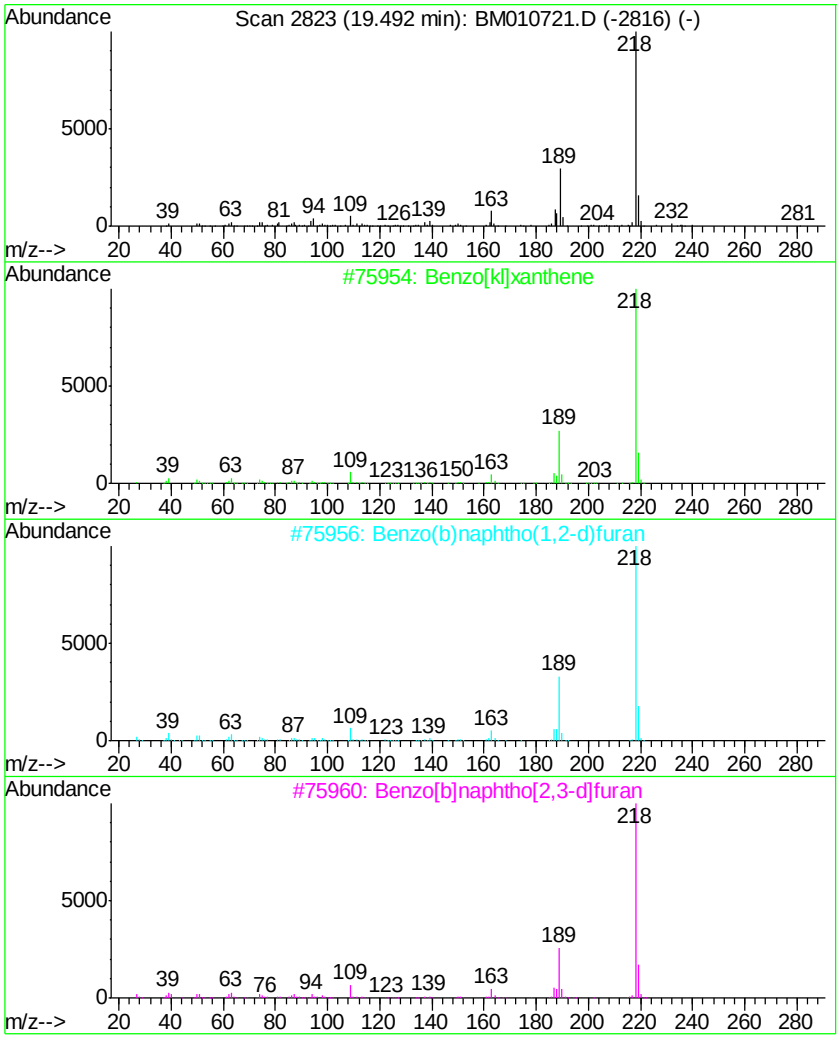
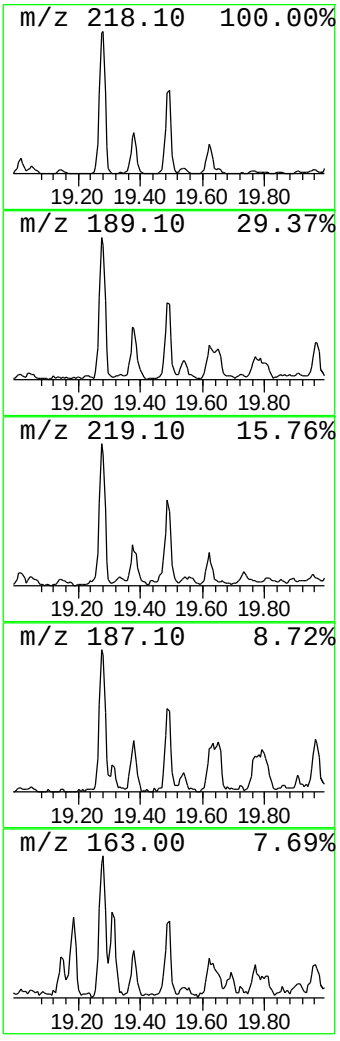
Peak Number 17 Benzo[kl]xanthene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.49	2.02 ng/ul	589825	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[kl]xanthene	218	C16H10O	000200-23-7	97
2	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	97
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	96
4	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	93
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	93





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Quant Title : SVOA CALIBRATION

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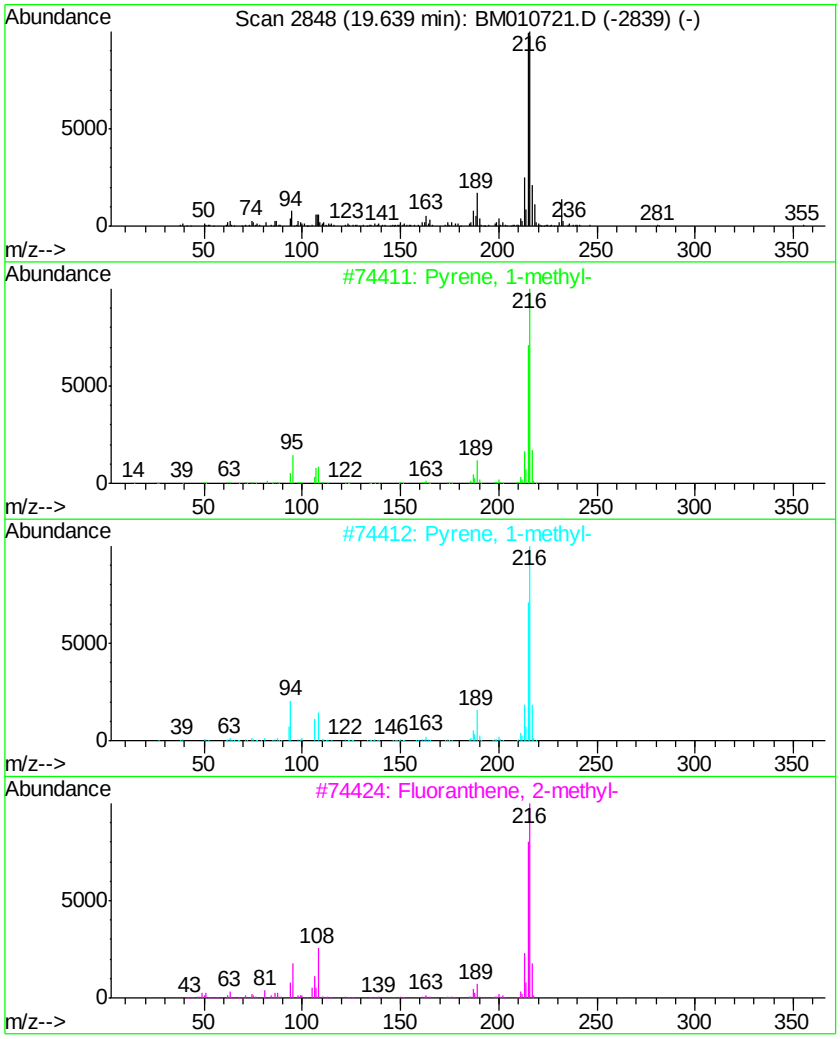
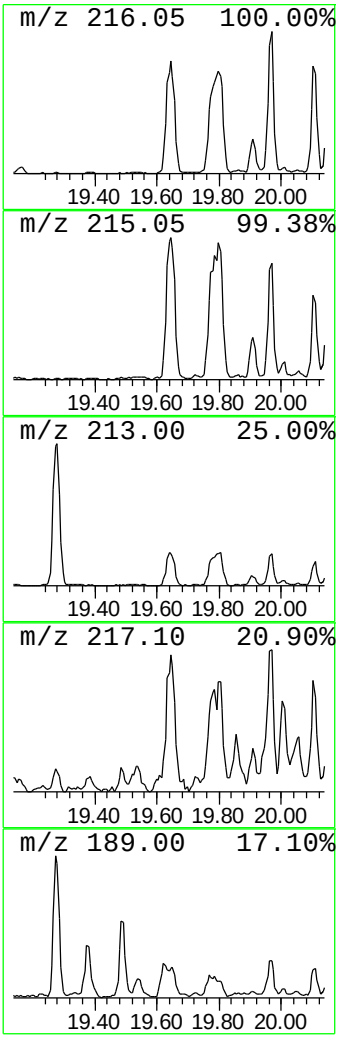
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	3.52 ng/ul	1026630	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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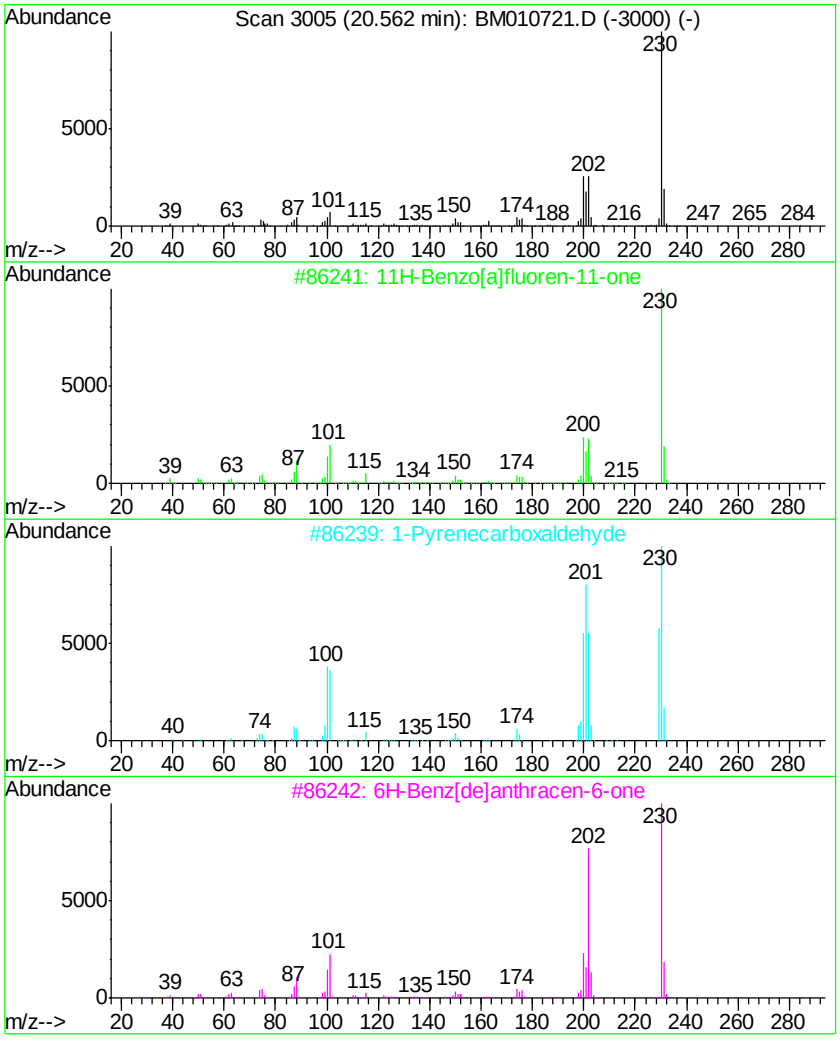
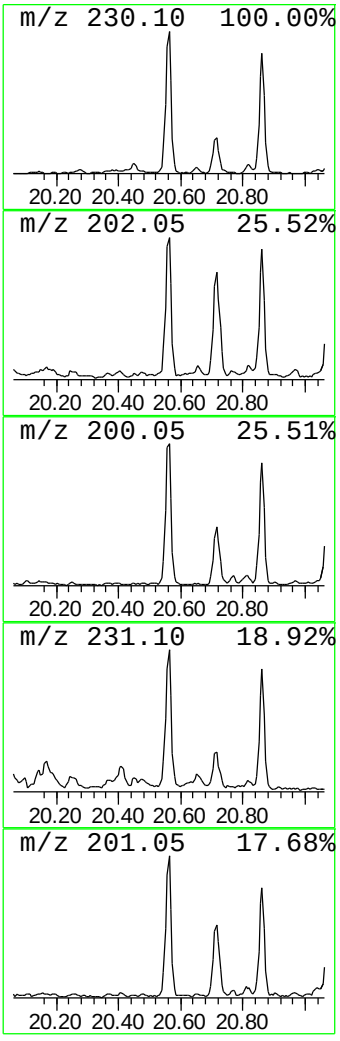
Peak Number 20 11H-Benzo[a]fluoren-11-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.56	4.81 ng/ul	1402790	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	86
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	81
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	78
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74





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ALS Vial : 37 Sample Multiplier: 1

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TIC Integration Parameters: LSCINT.P

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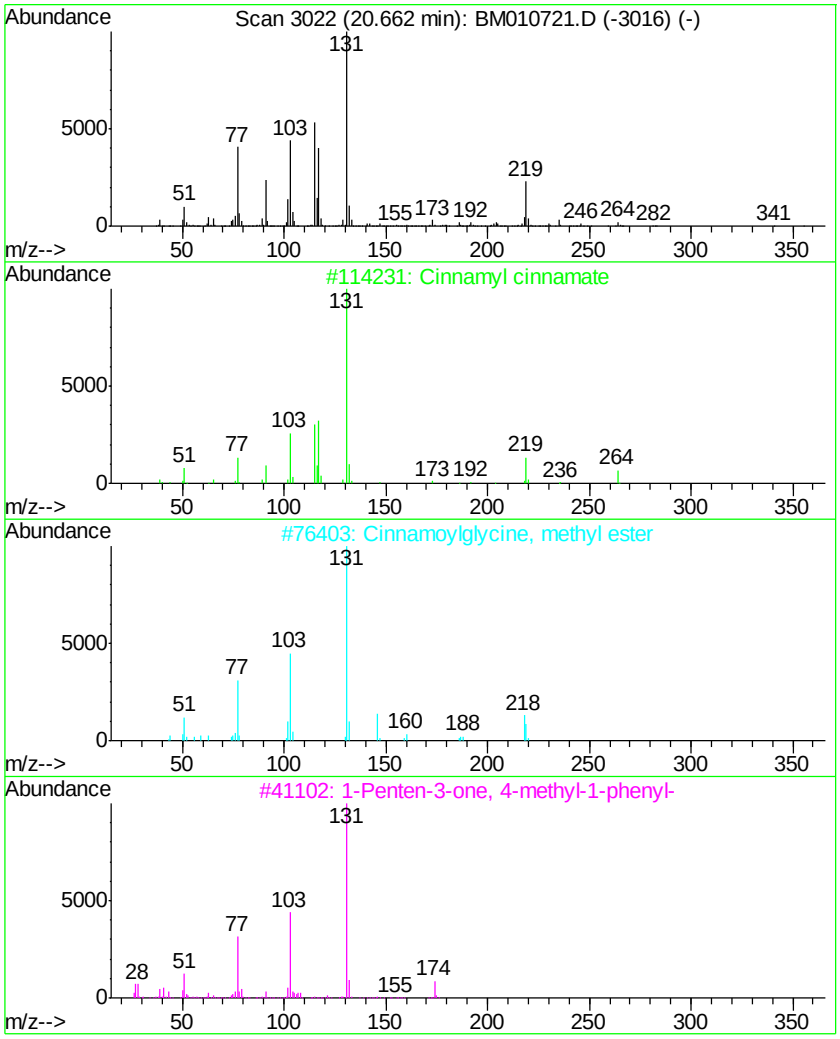
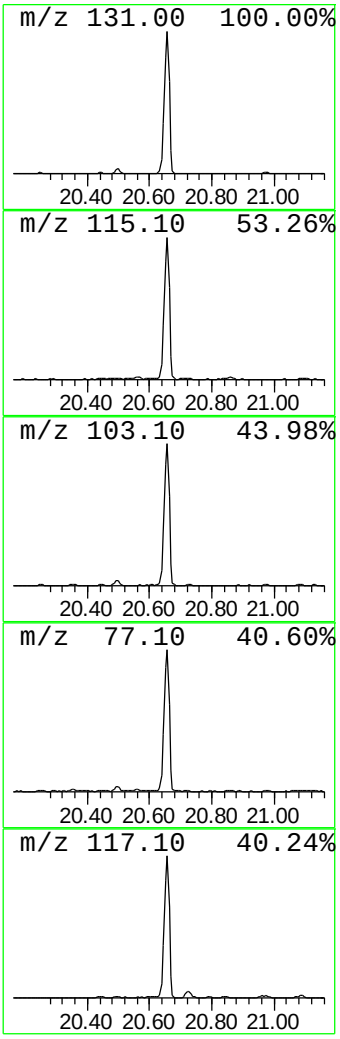
Peak Number 21 Cinnamyl cinnamate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.66	16.10 ng/ul	4697970	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cinnamyl cinnamate	264	C18H16O2	000122-69-0	56
2	Cinnamoylglycine, methyl ester	219	C12H13NO3	040778-04-9	47
3	1-Penten-3-one, 4-methyl-1-phenyl-	174	C12H14O	003160-32-5	47
4	Propanedioic acid, nitrile, hydr...	229	C12H11N3O2	294878-35-6	47
5	N-(p-Vinylbenzoyl)-l-alanine	219	C12H13NO3	139184-60-4	47





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Operator : SJ/JU
Sample : I3627-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A93

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Quant Title : SVOA CALIBRATION

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

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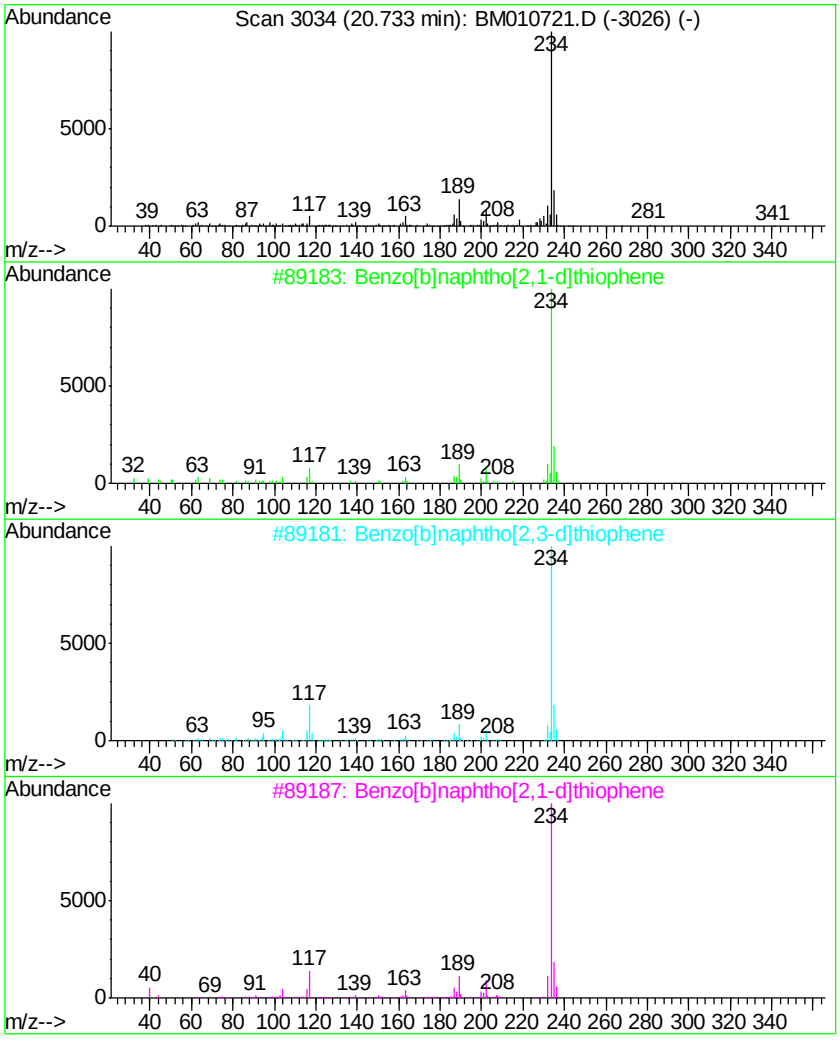
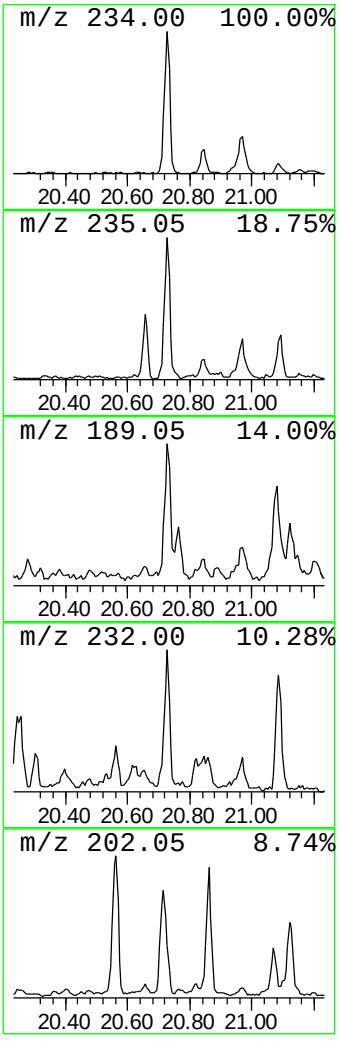
Peak Number 22 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	4.35 ng/ul	1269850	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
5	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	91





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Instrument : BNA_M
ClientSampleId : F5A93

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Quant Title : SVOA CALIBRATION

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

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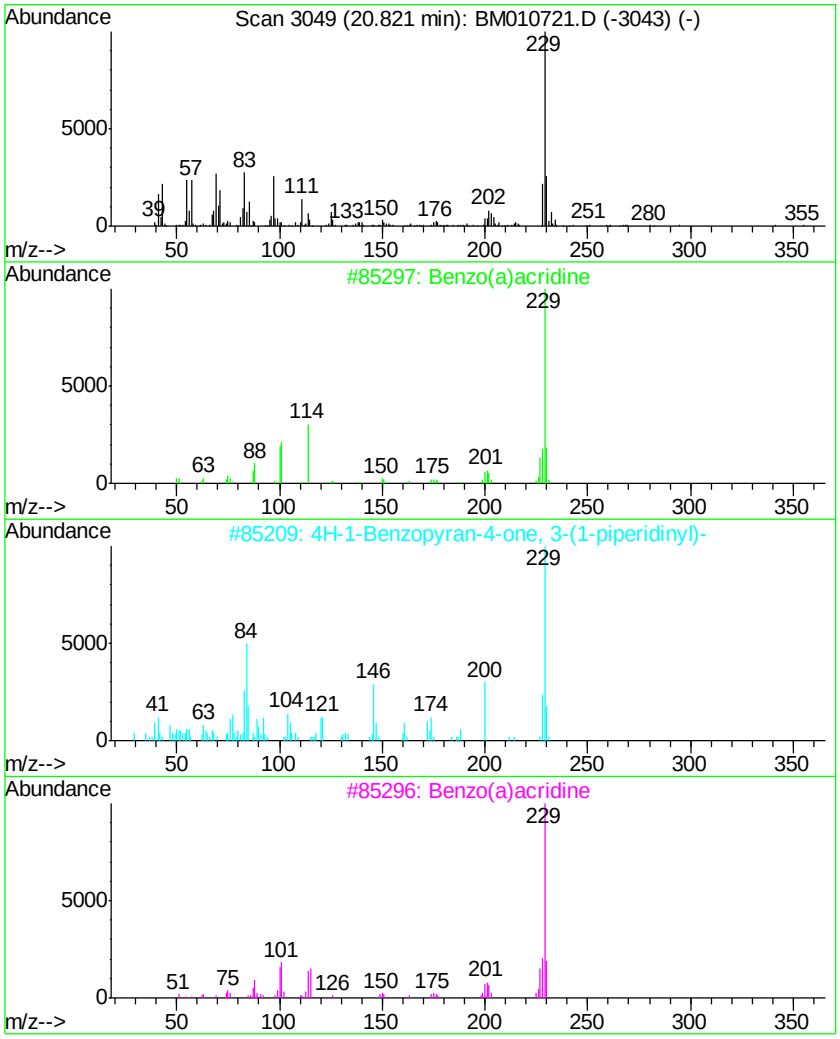
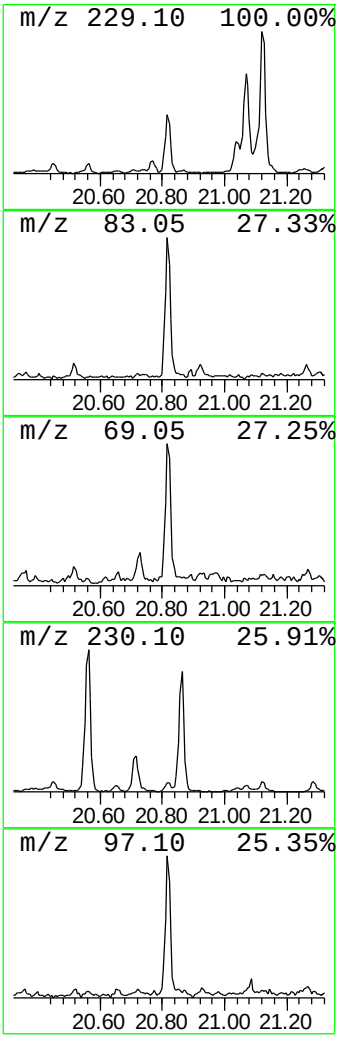
Peak Number 23 Benzo(a)acridine Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.82	3.84 ng/ul	1121870	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(a)acridine	229	C17H11N	000225-11-6	64
2	4H-1-Benzopyran-4-one, 3-(1-pipe...	229	C14H15NO2	040302-79-2	53
3	Benzo(a)acridine	229	C17H11N	000225-11-6	49
4	Benz[c]acridine	229	C17H11N	000225-51-4	43
5	Ethanethioic acid, S-tetradecyl ...	272	C16H32OS	090031-26-8	38





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Quant Title : SVOA CALIBRATION

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

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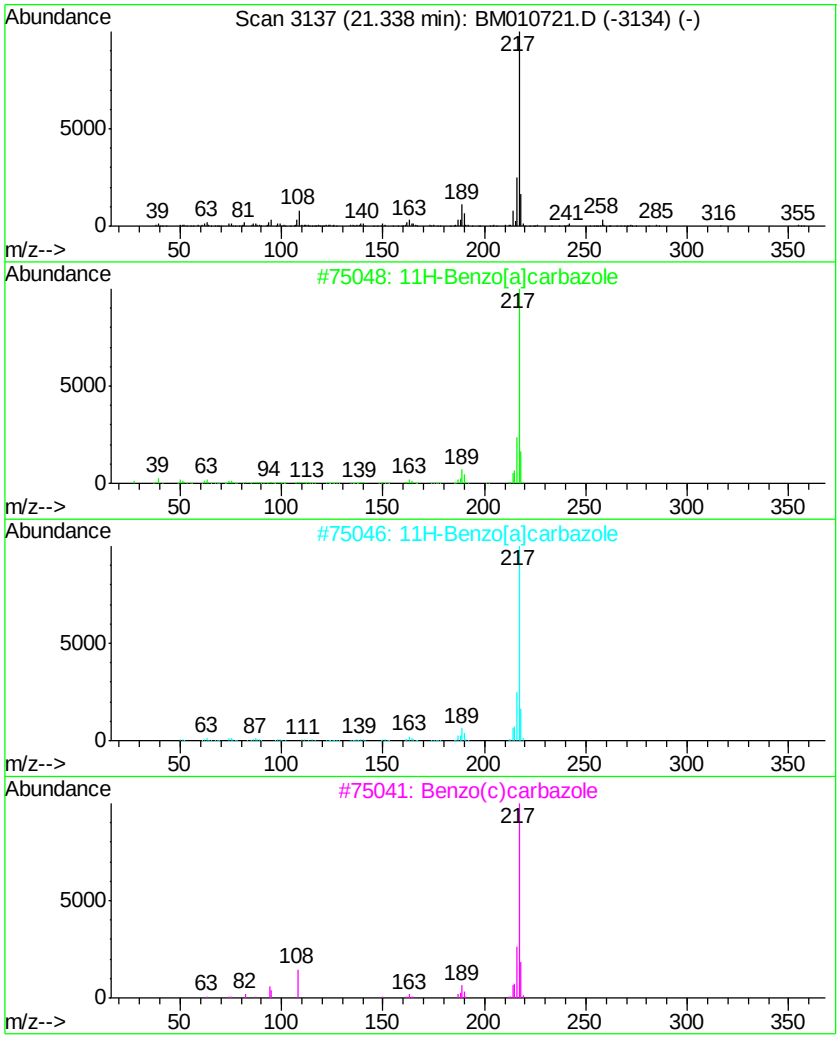
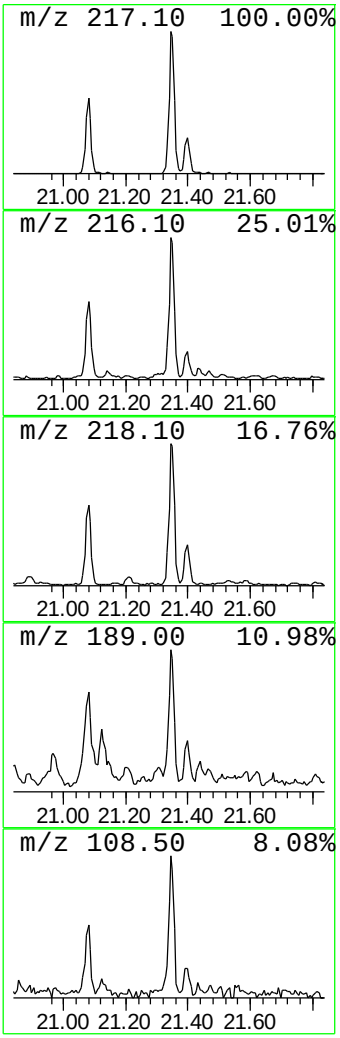
Peak Number 25 11H-Benzo[a]carbazole Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.34	3.21 ng/ul	938227	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	96
2	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	93
3	Benzo(c)carbazole	217	C16H11N	034777-33-8	91
4	Benzo(b)carbazole	217	C16H11N	000243-28-7	91
5	11H-Indeno(1,2-b)quinoline	217	C16H11N	000243-51-6	90





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ClientSampleId : F5A93

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Quant Title : SVOA CALIBRATION

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

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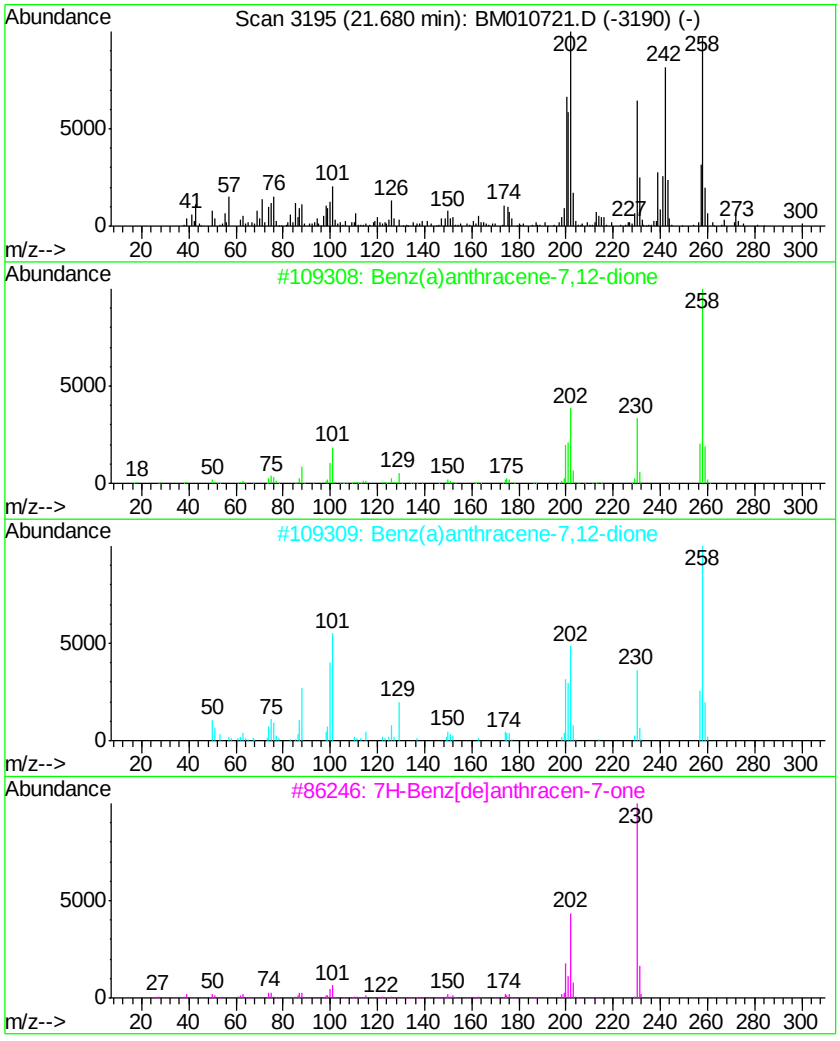
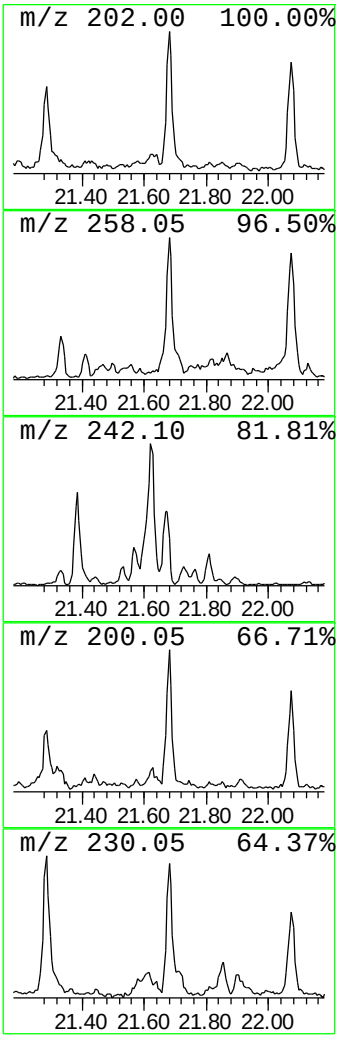
Peak Number 26 Benz(a)anthracene-7,12-dione Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.68	2.42 ng/ul	707190	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	86
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72
5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	64





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Quant Title : SVOA CALIBRATION

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

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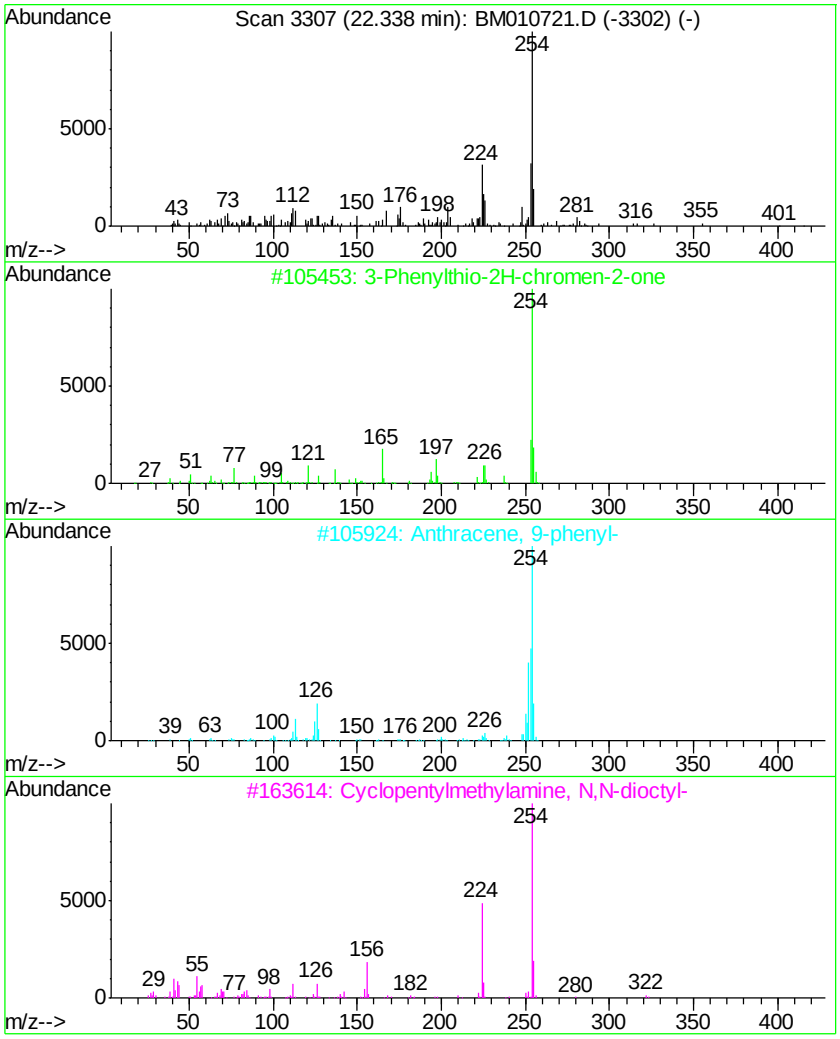
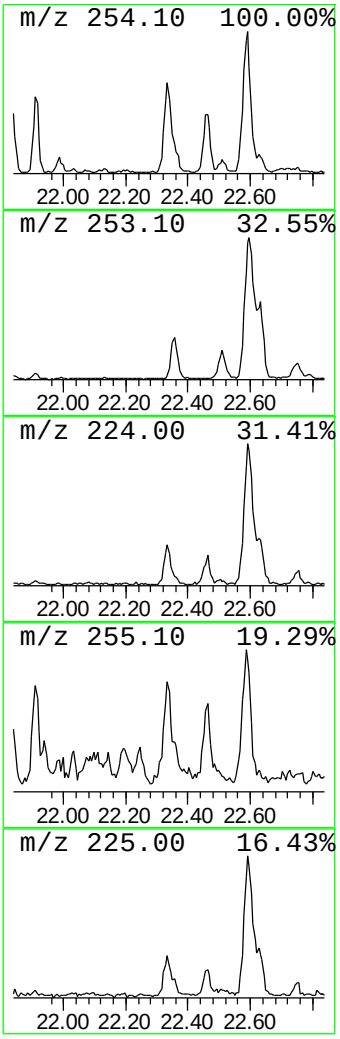
Peak Number 27 3-Phenylthio-2H-chromen-2-one Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.34	3.42 ng/ul	218785	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	68
2	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	53
3	Cyclopentylmethylamine, N,N-dioc...	323	C22H45N	1000310-50-1	53
4	1H-Pyrazole, 3-(4-chlorophenyl)-...	254	C15H11ClN2	033064-19-6	52
5	3-Hydroxy-1-methoxyanthraquinone	254	C15H10O4	028504-24-7	50





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Instrument : BNA_M
ClientSampleId : F5A93

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Quant Title : SVOA CALIBRATION

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

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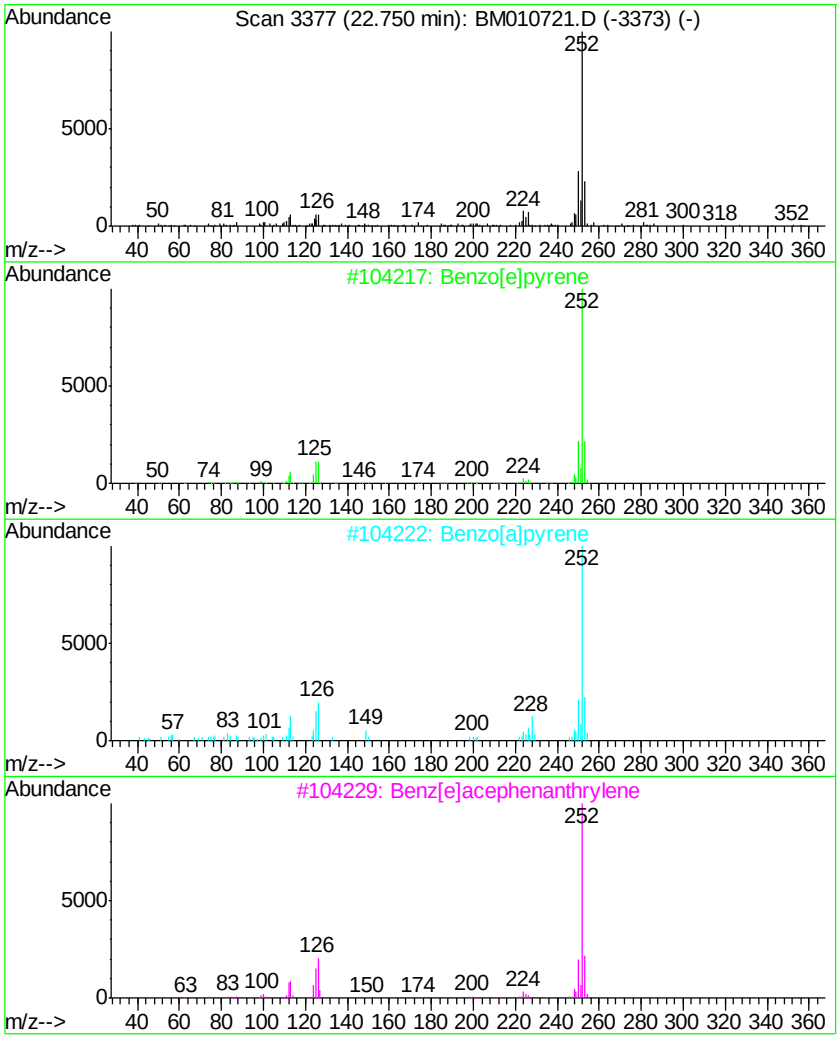
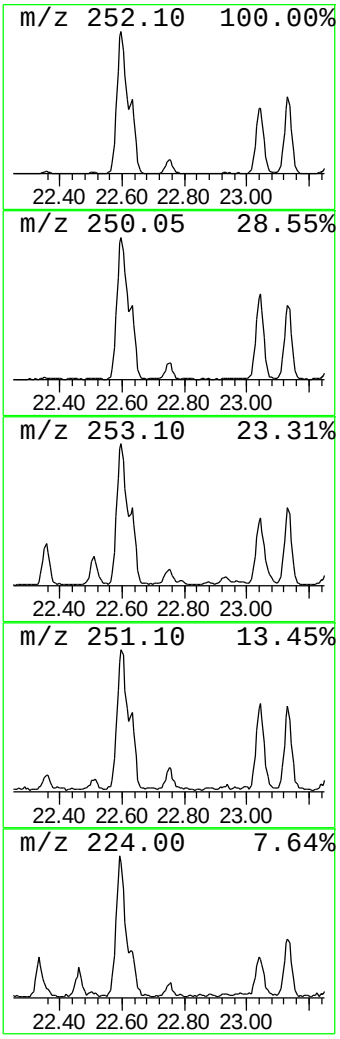
Peak Number 28 Benzo[e]pyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.75	3.94 ng/ul	252179	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	80
2	Benzo[a]pyrene	252	C20H12	000050-32-8	74
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	74
4	Benzo[a]pyrene	252	C20H12	000050-32-8	74
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	72





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Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A93

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Quant Title : SVOA CALIBRATION

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

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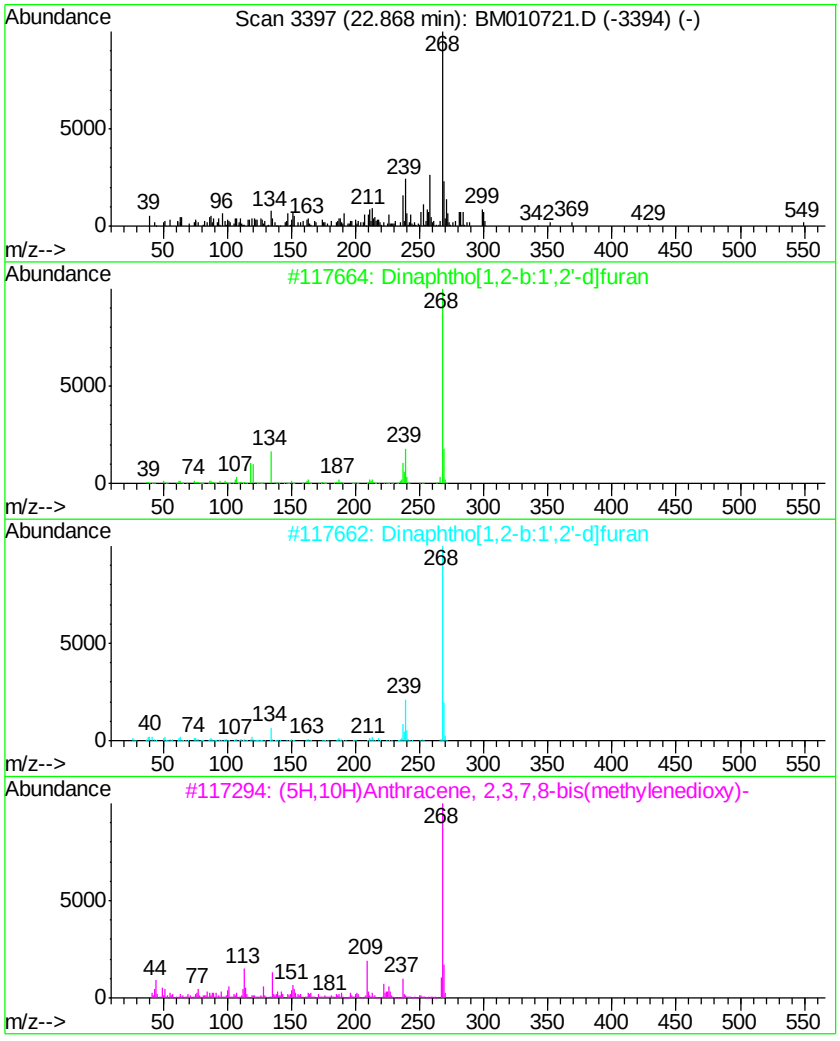
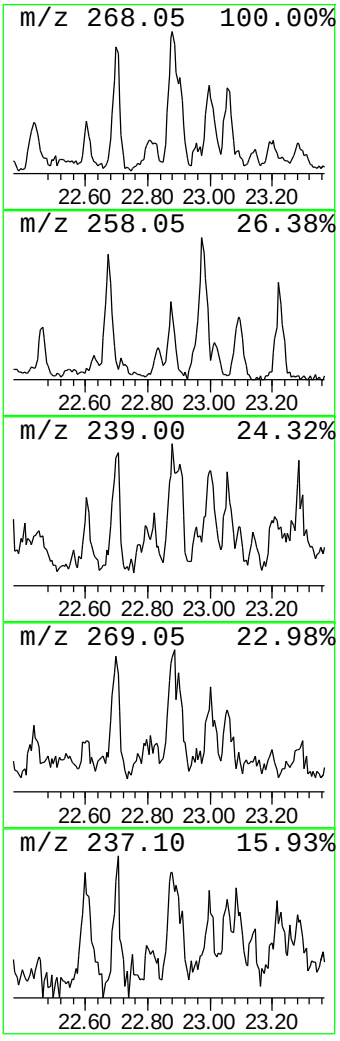
Peak Number 29 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.87	4.40 ng/ul	282023	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	64
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	52
3	(5H,10H)Anthracene, 2,3,7,8-bis(...	268	C16H12O4	1000116-12-4	52
4	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	49
5	3H-1,2,4-Triazole-3-thione, 2,4-...	268	C14H12N4S	014132-84-4	49





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ClientSampleId : F5A93

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Quant Title : SVOA CALIBRATION

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

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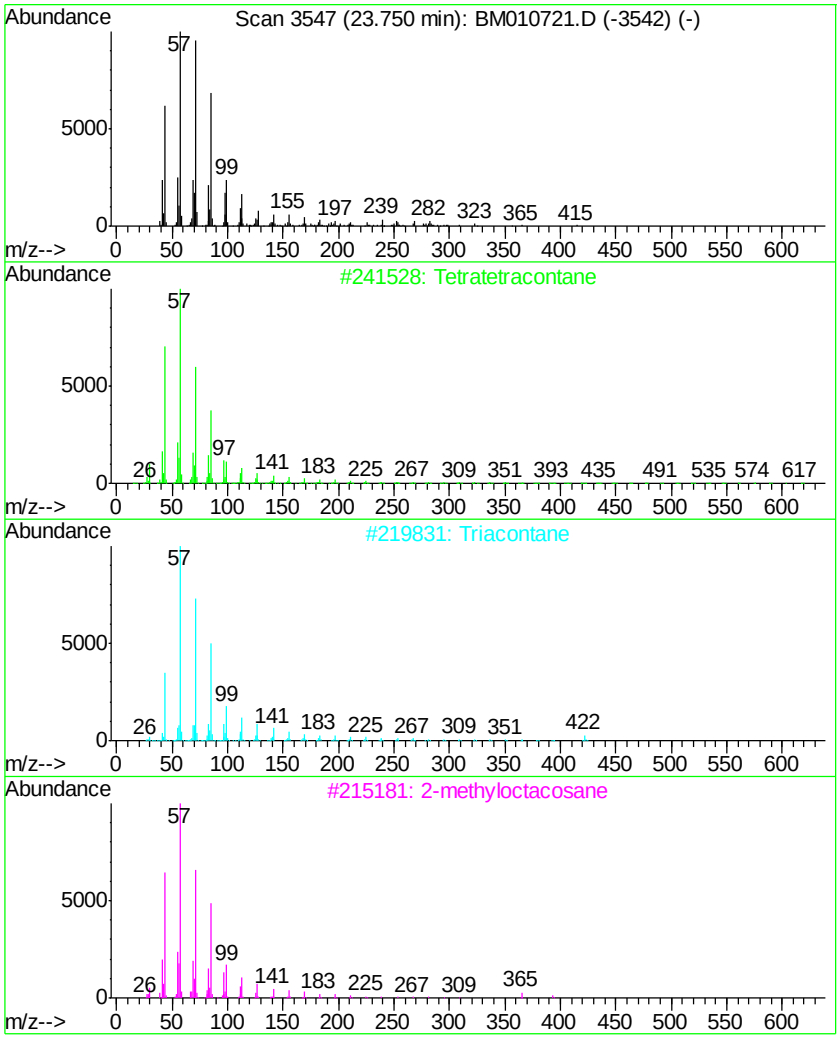
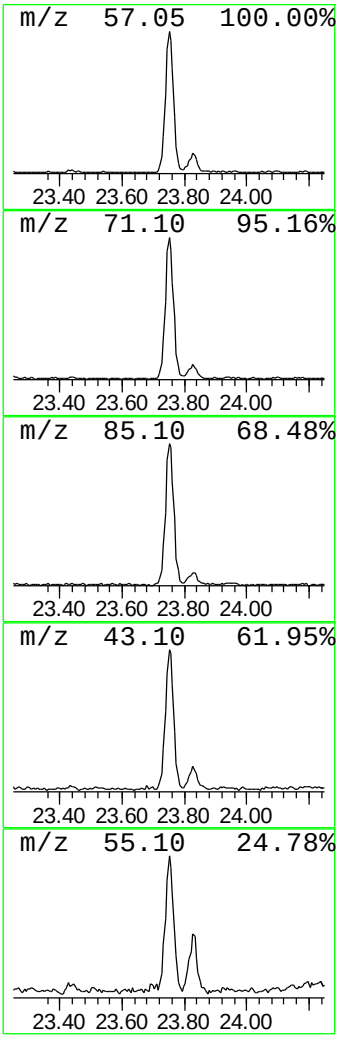
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.75	13.59 ng/ul	870379	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	87
2	Triacontane	422	C30H62	000638-68-6	87
3	2-methyloctacosane	408	C29H60	1000376-72-8	87
4	Hexacosane	366	C26H54	000630-01-3	83
5	Hentriacontane	437	C31H64	000630-04-6	83





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Quant Title : SVOA CALIBRATION

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

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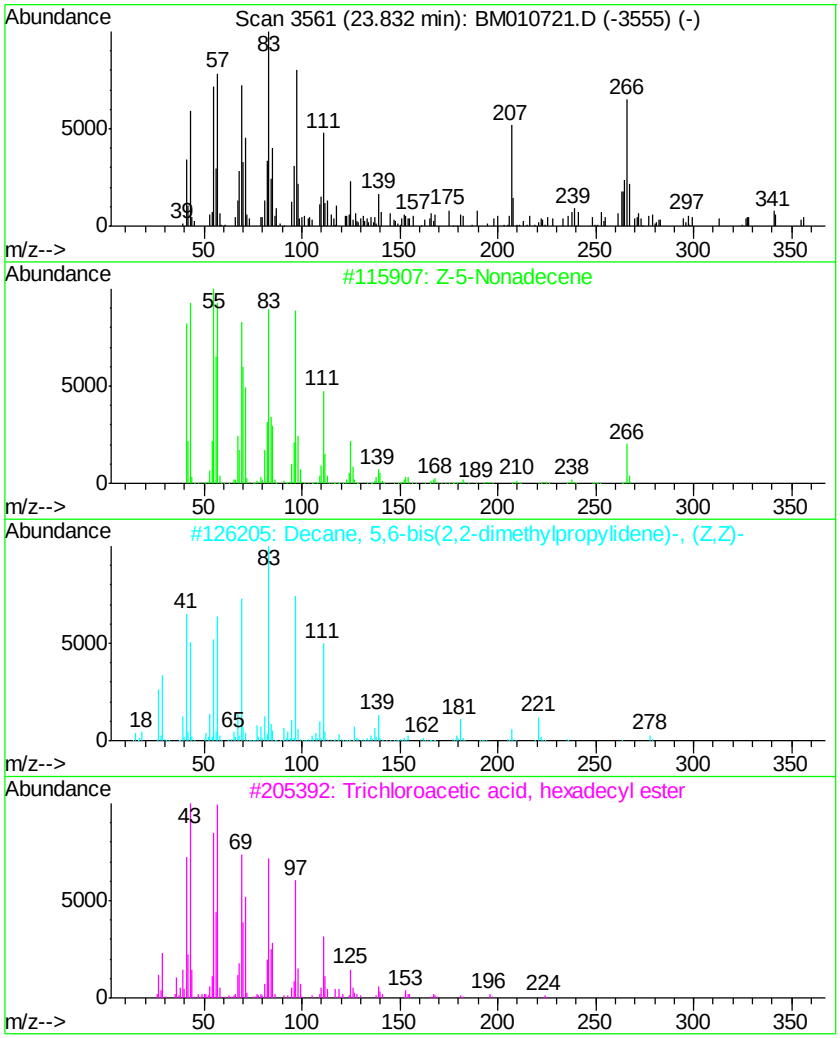
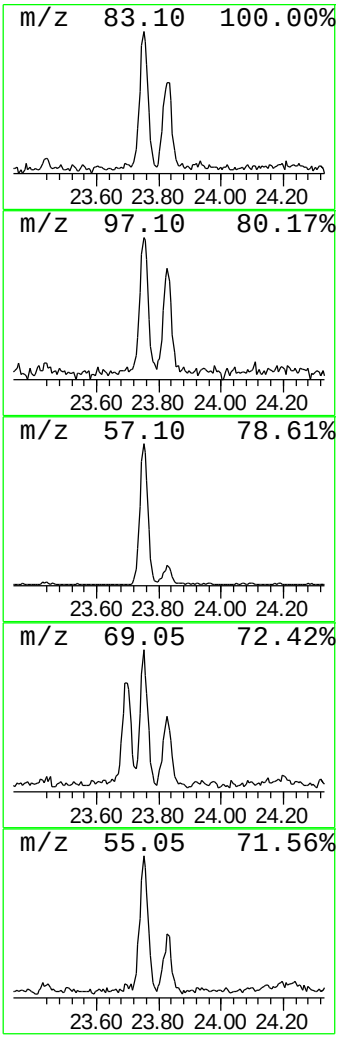
Peak Number 31 (DEL) Alkane: Cyclic23.83 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.83	4.45 ng/ul	285354	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Z-5-Nonadecene	266	C19H38	1000131-11-8	91
2	Decane, 5,6-bis(2,2-dimethylprop...	278	C20H38	073002-85-4	76
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	74
4	5-Eicosene, (E)-	280	C20H40	074685-30-6	70
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	68





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Quant Title : SVOA CALIBRATION

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

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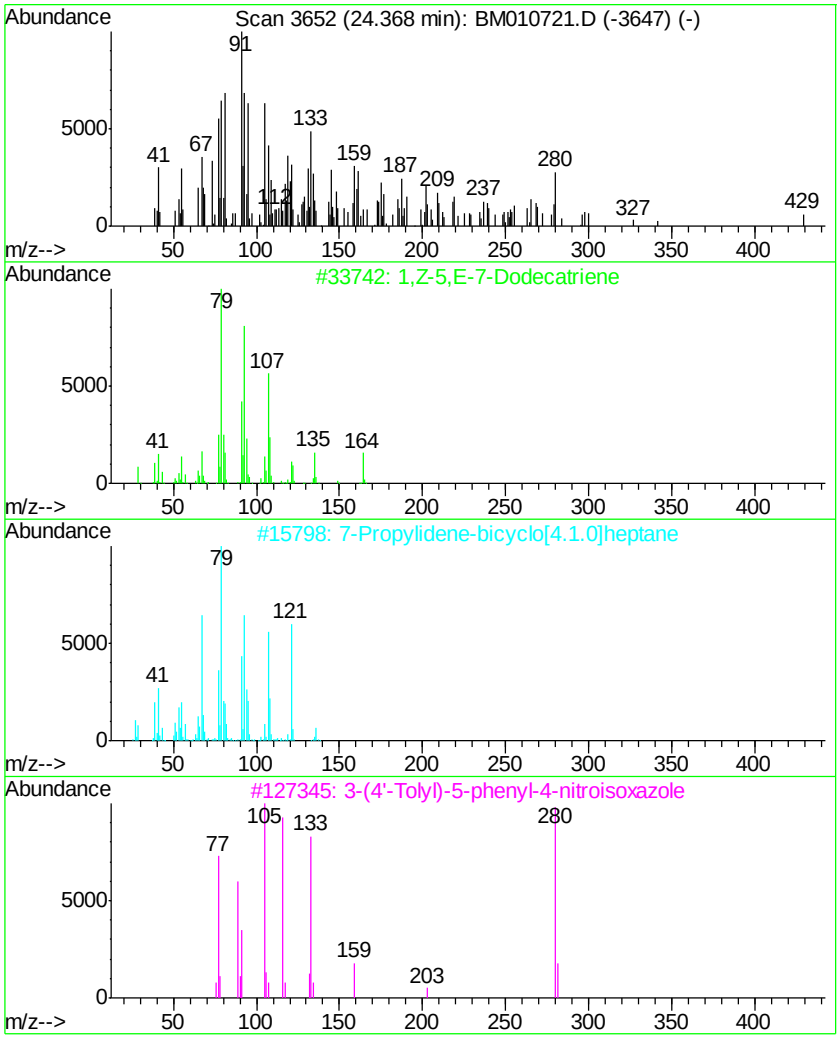
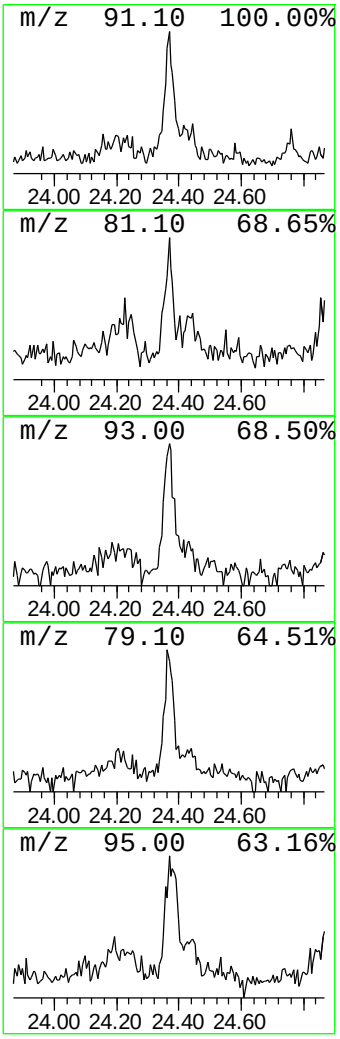
Peak Number 32 unknown-02 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.37	3.85 ng/ul	246748	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,Z-5,E-7-Dodecatriene	164	C12H20	083085-83-0	15
2	7-Propylidene-bicyclo[4.1.0]heptane	136	C10H16	082253-09-6	15
3	3-(4'-Tolyl)-5-phenyl-4-nitroiso...	280	C16H12N2O3	066692-94-2	14
4	1,3,6,10-Cyclotetradecatetraene,...	272	C20H32	001898-13-1	14
5	Quinoline-2,4(1H,3H)-dione, 3-az...	244	C12H12N4O2	128564-91-0	11





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Quant Title : SVOA CALIBRATION

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

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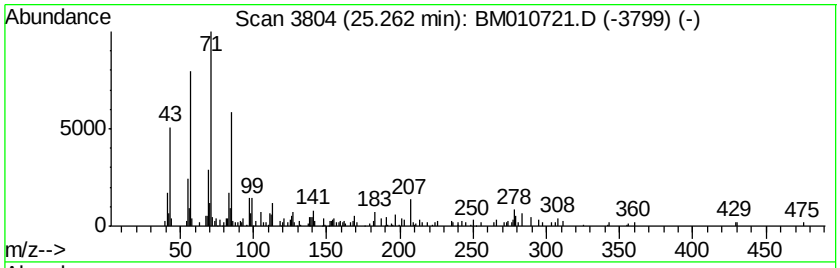
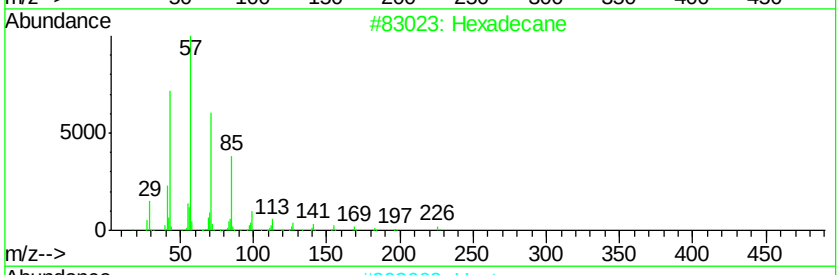
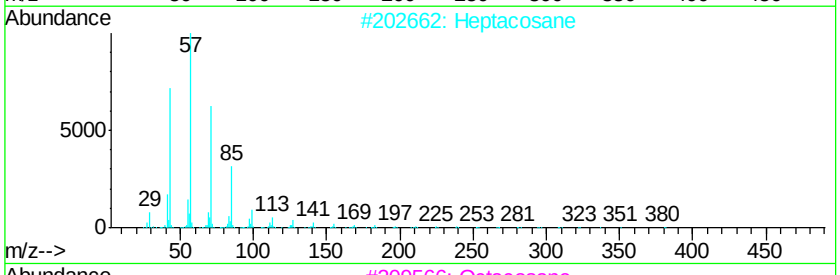
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 9

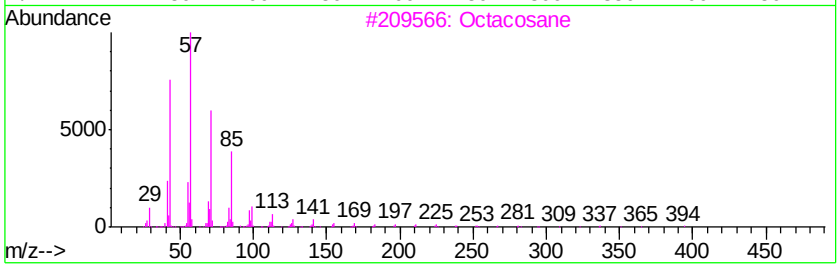
R.T.	EstConc	Area	Relative to ISTD	R.T.
25.26	5.11 ng/ul	327568	Perylene-d12	23.23

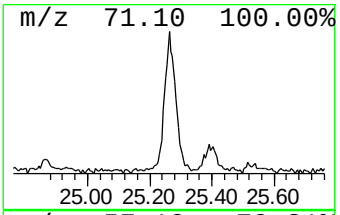
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	76
2	Heptacosane	380	C27H56	000593-49-7	64
3	Octacosane	394	C28H58	000630-02-4	64
4	Tetracosane	338	C24H50	000646-31-1	64
5	Eicosane, 9-octyl-	394	C28H58	013475-77-9	64

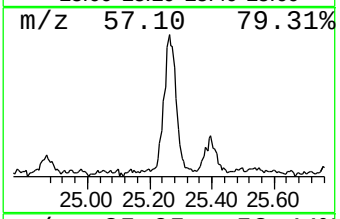


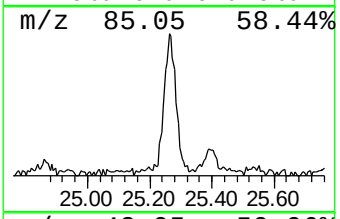


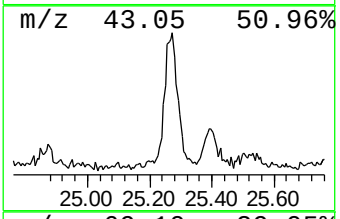


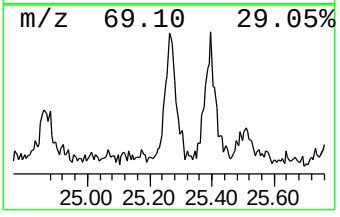












Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010721.D
Acq On : 24 Jun 2017 09:50
Operator : SJ/JU
Sample : I3627-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A93

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

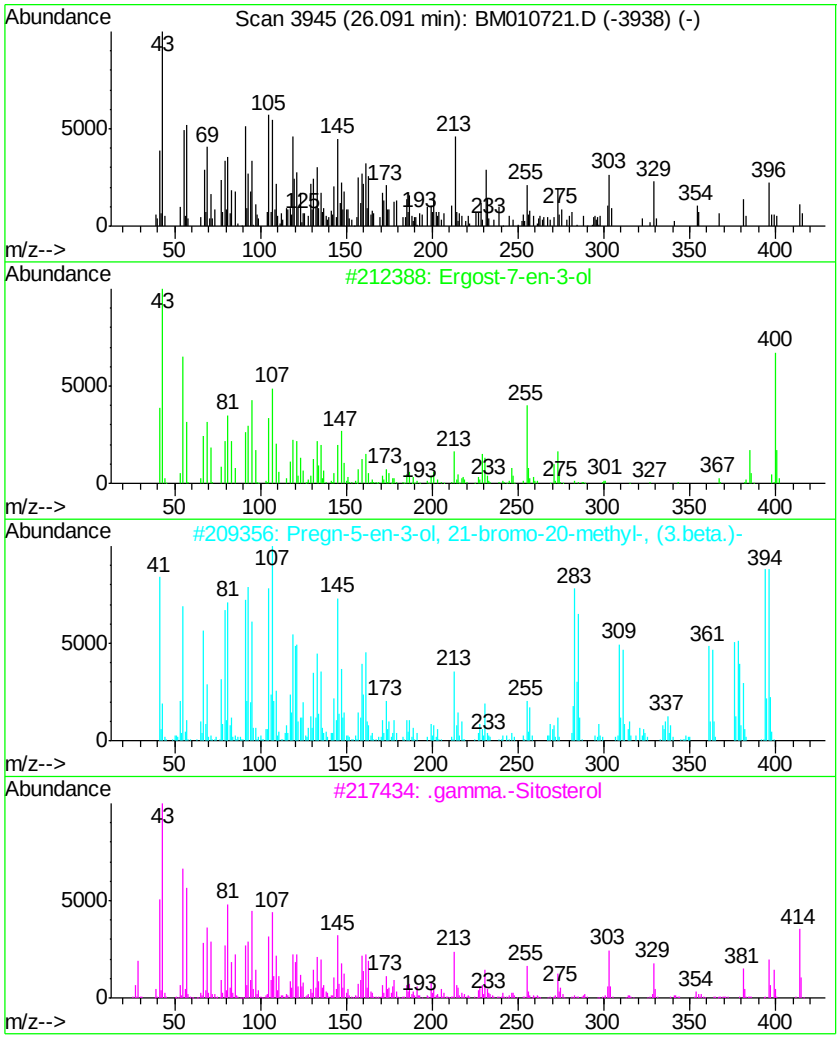
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

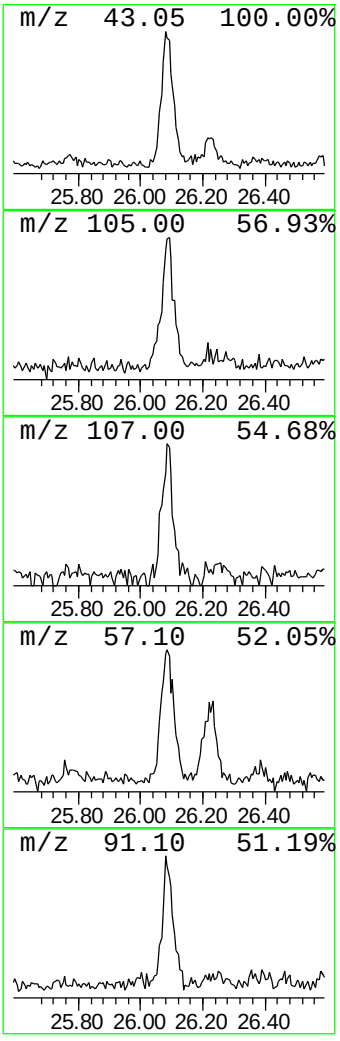
****

Peak Number 34 Ergost-7-en-3-ol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.09	9.02 ng/ul	577612	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ergost-7-en-3-ol	400	C28H48O	116179-22-7	72
2	Pregn-5-en-3-ol, 21-bromo-20-met...	394	C22H35BrO	055103-80-5	68
3	.gamma.-Sitosterol	414	C29H50O	000083-47-6	55
4	.beta.-Sitosterol	414	C29H50O	000083-46-5	47
5	Stigmastan-3,5-diene	396	C29H48	1000214-16-4	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010721.D
Acq On : 24 Jun 2017 09:50
Operator : SJ/JU
Sample : I3627-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A93

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.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
(1R)-2,6,6-Trimet...	6.17	5.8	ng/ul	168107	1	7.46	578581	20.0
Benzeneacetonitri...	11.95	4.1	ng/ul	186186	2	10.22	908643	20.0
Caryophyllene	13.43	18.9	ng/ul	1218980	3	14.11	1288550	20.0
Naphthalene, 1,2,...	14.38	2.8	ng/ul	179947	3	14.11	1288550	20.0
1-Naphthalenol, 1...	15.61	2.6	ng/ul	220148	4	16.87	1684240	20.0
unknown-01	16.14	3.1	ng/ul	259388	4	16.87	1684240	20.0
Phenanthrene, 1-m...	17.74	4.9	ng/ul	409623	4	16.87	1684240	20.0
Anthracene, 2-met...	17.93	4.3	ng/ul	362533	4	16.87	1684240	20.0
1H-Cyclopropa[l]p...	17.97	2.3	ng/ul	191835	4	16.87	1684240	20.0
1,2,4,8-Tetrameth...	18.26	4.4	ng/ul	368477	4	16.87	1684240	20.0
Benzo[c]cinnoline	18.30	50.0	ng/ul	4208820	4	16.87	1684240	20.0
9,10-Dimethylanth...	18.67	4.5	ng/ul	383448	4	16.87	1684240	20.0
Cyclopenta(def)ph...	18.82	8.6	ng/ul	723694	4	16.87	1684240	20.0
Benzo[kl]xanthene	19.49	2.0	ng/ul	589825	5	21.09	5837430	20.0
Pyrene, 1-methyl-	19.64	3.5	ng/ul	1026630	5	21.09	5837430	20.0
11H-Benzo[a]fluor...	20.56	4.8	ng/ul	1402790	5	21.09	5837430	20.0
Cinnamyl cinnamate	20.66	16.1	ng/ul	4697970	5	21.09	5837430	20.0
Benzo[b]naphtho[2...	20.73	4.3	ng/ul	1269850	5	21.09	5837430	20.0
Benzo(a)acridine	20.82	3.8	ng/ul	1121870	5	21.09	5837430	20.0
11H-Benzo[a]carba...	21.34	3.2	ng/ul	938227	5	21.09	5837430	20.0
Benz(a)anthracene...	21.68	2.4	ng/ul	707190	5	21.09	5837430	20.0
3-Phenylthio-2H-c...	22.34	3.4	ng/ul	218785	6	23.23	1281210	20.0
Benzo[e]pyrene	22.75	3.9	ng/ul	252179	6	23.23	1281210	20.0
Dinaphtho[1,2-b:1...	22.87	4.4	ng/ul	282023	6	23.23	1281210	20.0
(DEL) Alkane: Str...	23.75	13.6	ng/ul	870379	6	23.23	1281210	20.0
(DEL) Alkane: Cyc...	23.83	4.5	ng/ul	285354	6	23.23	1281210	20.0
unknown-02	24.37	3.9	ng/ul	246748	6	23.23	1281210	20.0
(DEL) Alkane: Str...	25.26	5.1	ng/ul	327568	6	23.23	1281210	20.0
Ergost-7-en-3-ol	26.09	9.0	ng/ul	577612	6	23.23	1281210	20.0