LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004203.D
Acq On : 08 Feb 2016 16:59
Operator : SJ/IZ
Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J7

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.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	3.640	91	94	102	rVV	25653	35697	3.20%	0.206%
2	4.081	165	169	183	rBV2	69556	107547	9.63%	0.621%
3	4.493	234	239	248	rBV2	54277	79779	7.15%	0.461%
4	5.304	373	377	385	rBB	7878	14693	1.32%	0.085%
5	5.675	436	440	444	rBB	10691	12731	1.14%	0.073%
6	6.840	629	638	648	rBB	82389	134024	12.01%	0.774%
7	6.992	659	664	672	rBV	68614	100786	9.03%	0.582%
8	7.192	692	698	705	rBB	90974	140062	12.55%	0.809%
9	7.275	708	712	715	rBV	9080	11943	1.07%	0.069%
10	7.657	770	777	784	rBB	114324	177256	15.88%	1.023%
11	8.369	893	898	909	rBB	84775	133824	11.99%	0.773%
12	8.816	968	974	980	rBV	83730	132324	11.85%	0.764%
13	9.533	1091	1096	1103	rBB	71689	110574	9.91%	0.638%
14	10.075	1182	1188	1197	rBV	114202	184147	16.50%	1.063%
15	10.445	1243	1251	1257	rBV	178791	298787	26.77%	1.725%
16	10.586	1270	1275	1293	rBB	49716	86940	7.79%	0.502%
17	13.727	1803	1809	1813	rVV	227759	306523	27.46%	1.770%
18	13.774	1813	1817	1823	rVB	73246	99082	8.88%	0.572%
19	14.004	1850	1856	1866	rBB	259195	379056	33.96%	2.188%
20	14.210	1888	1891	1895	rBB	10324	12999	1.16%	0.075%
21	14.316	1903	1909	1916	rBB2	272300	405028	36.28%	2.338%
22	14.380	1916	1920	1923	rBV	15223	20747	1.86%	0.120%
23	14.539	1942	1947	1959	rBV	57134	94046	8.42%	0.543%
24	15.168	2050	2054	2058	rBB	17929	21019	1.88%	0.121%
25	15.310	2073	2078	2084	rBV	341833	486422	43.57%	2.808%
26	15.368	2084	2088	2093	rVB2	14743	20655	1.85%	0.119%
27	15.451	2098	2102	2107	rBV	62700	82196	7.36%	0.475%
28	15.580	2116	2124	2127	rVB4	5835	12543	1.12%	0.072%
29	16.033	2197	2201	2212	rBV2	19770	41400	3.71%	0.239%
30	16.721	2315	2318	2324	rBB2	8108	11789	1.06%	0.068%
31	16.821	2331	2335	2339	rVB2	15937	19229	1.72%	0.111%
32	16.886	2339	2346	2353	rVB2	13265	21371	1.91%	0.123%
33	17.068	2371	2377	2381	rBV	360796	523165	46.86%	3.020%
34	17.109	2381	2384	2389	rVB	284834	355830	31.88%	2.054%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004203.D
Acq On : 08 Feb 2016 16:59
Operator : SJ/IZ
Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J7

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Title : SVOA CALIBRATION

35	17.168	2389	2394	2398	rBV2	381792	543116	48.65%	3.135%
36	17.198	2398	2399	2405	rVB	52384	49834	4.46%	0.288%
37	17.474	2436	2446	2450	rBV2	21845	35445	3.18%	0.205%
38	17.515	2450	2453	2457	rVB4	14784	18760	1.68%	0.108%
39	17.568	2457	2462	2469	rVB4	15595	28187	2.52%	0.163%
40	17.639	2469	2474	2482	rVB4	19422	31661	2.84%	0.183%
41	17.709	2482	2486	2492	rBV3	13079	19642	1.76%	0.113%
42	17.945	2517	2526	2527	rBV2	46227	85015	7.62%	0.491%
43	17.968	2527	2530	2533	rBV	86607	109085	9.77%	0.630%
44	18.068	2542	2547	2551	rBV	16843	30431	2.73%	0.176%
45	18.139	2554	2559	2563	rBV2	64850	122388	10.96%	0.707%
46	18.174	2563	2565	2571	rVB	40590	52262	4.68%	0.302%
47	18.262	2571	2580	2582	rBV6	15990	32961	2.95%	0.190%
48	18.298	2582	2586	2591	rVB	54509	69685	6.24%	0.402%
49	18.362	2591	2597	2602	rBV5	54361	113331	10.15%	0.654%
50	18.415	2602	2606	2609	rBV3	20416	31237	2.80%	0.180%
51	18.451	2609	2612	2616	rVB	31987	38375	3.44%	0.222%
52	18.498	2616	2620	2624	rVB2	26131	34580	3.10%	0.200%
53	18.545	2624	2628	2635	rBV3	54677	93214	8.35%	0.538%
54	18.627	2637	2642	2644	rBV	38834	54489	4.88%	0.315%
55	18.651	2644	2646	2648	rVV3	29310	34539	3.09%	0.199%
56	18.692	2648	2653	2658	rVB	593118	763597	68.40%	4.408%
57	18.745	2658	2662	2666	rBV5	30919	48852	4.38%	0.282%
58	18.827	2672	2676	2680	rBV2	24680	32996	2.96%	0.190%
59	18.892	2680	2687	2693	rVV4	61370	136776	12.25%	0.790%
60	18.962	2697	2699	2703	rVB2	12899	12600	1.13%	0.073%
61	19.021	2703	2709	2712	rBV4	26056	46787	4.19%	0.270%
62	19.139	2721	2729	2734	rBV	603932	843308	75.54%	4.868%
63	19.192	2734	2738	2743	rVV	451587	582373	52.17%	3.362%
64	19.233	2743	2745	2748	rVV3	24880	33733	3.02%	0.195%
65	19.286	2752	2754	2759	rVB	19242	23305	2.09%	0.135%
66	19.351	2760	2765	2769	rBV6	39214	76346	6.84%	0.441%
67	19.409	2772	2775	2780	rVB4	56442	92342	8.27%	0.533%
68	19.480	2780	2787	2789	rBV	587914	899624	80.59%	5.194%
69	19.503	2789	2791	2799	rVB	561423	741312	66.41%	4.280%
70	19.592	2799	2806	2813	rBV4	48193	133907	12.00%	0.773%
71	19.662	2813	2818	2820	rBV5	32506	54199	4.86%	0.313%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004203.D
Acq On : 08 Feb 2016 16:59
Operator : SJ/IZ
Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J7

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Title : SVOA CALIBRATION

72	19.686	2820	2822	2825	rBV	12120	12771	1.14%	0.074%
73	19.756	2829	2834	2839	rVB2	38518	75815	6.79%	0.438%
74	19.827	2841	2846	2855	rBV4	63469	196865	17.64%	1.136%
75	20.003	2866	2876	2882	rVB2	83060	202191	18.11%	1.167%
76	20.056	2882	2885	2888	rBV2	45499	60711	5.44%	0.350%
77	20.103	2888	2893	2896	rBV2	73380	119572	10.71%	0.690%
78	20.145	2896	2900	2906	rBV4	140104	217081	19.45%	1.253%
79	20.309	2924	2928	2929	rBV2	48613	60704	5.44%	0.350%
80	20.415	2944	2946	2949	rBV4	17634	21359	1.91%	0.123%
81	20.521	2961	2964	2969	rVB3	58960	80531	7.21%	0.465%
82	20.762	3002	3005	3008	rVB	30948	33675	3.02%	0.194%
83	20.809	3010	3013	3017	rBV5	36459	60199	5.39%	0.348%
84	20.986	3037	3043	3052	rVB5	216740	477411	42.77%	2.756%
85	21.280	3087	3093	3097	rBV2	585905	1116328	100.00%	6.445%
86	21.321	3097	3100	3110	rVB	296609	393493	35.25%	2.272%
87	21.439	3116	3120	3126	rBV	72380	103781	9.30%	0.599%
88	21.886	3193	3196	3202	rVB2	47062	60315	5.40%	0.348%
89	22.027	3217	3220	3224	rBV2	42267	77158	6.91%	0.445%
90	22.321	3266	3270	3275	rBV5	45991	82525	7.39%	0.476%
91	22.850	3354	3360	3365	rBV	229829	522633	46.82%	3.017%
92	23.327	3436	3441	3445	rBV	138439	260777	23.36%	1.505%
93	23.380	3445	3450	3454	rVV	324182	613213	54.93%	3.540%
94	23.421	3454	3457	3463	rVB	209483	323812	29.01%	1.869%
95	23.521	3468	3474	3479	rBV	271650	473166	42.39%	2.732%
96	24.191	3584	3588	3595	rVB	73935	136574	12.23%	0.788%
97	24.768	3681	3686	3692	rBV	64584	133398	11.95%	0.770%
98	25.180	3750	3756	3765	rVB5	38169	97226	8.71%	0.561%
99	25.768	3849	3856	3866	rVB	105982	296500	26.56%	1.712%
100	26.462	3966	3974	3981	rBV2	61985	187812	16.82%	1.084%

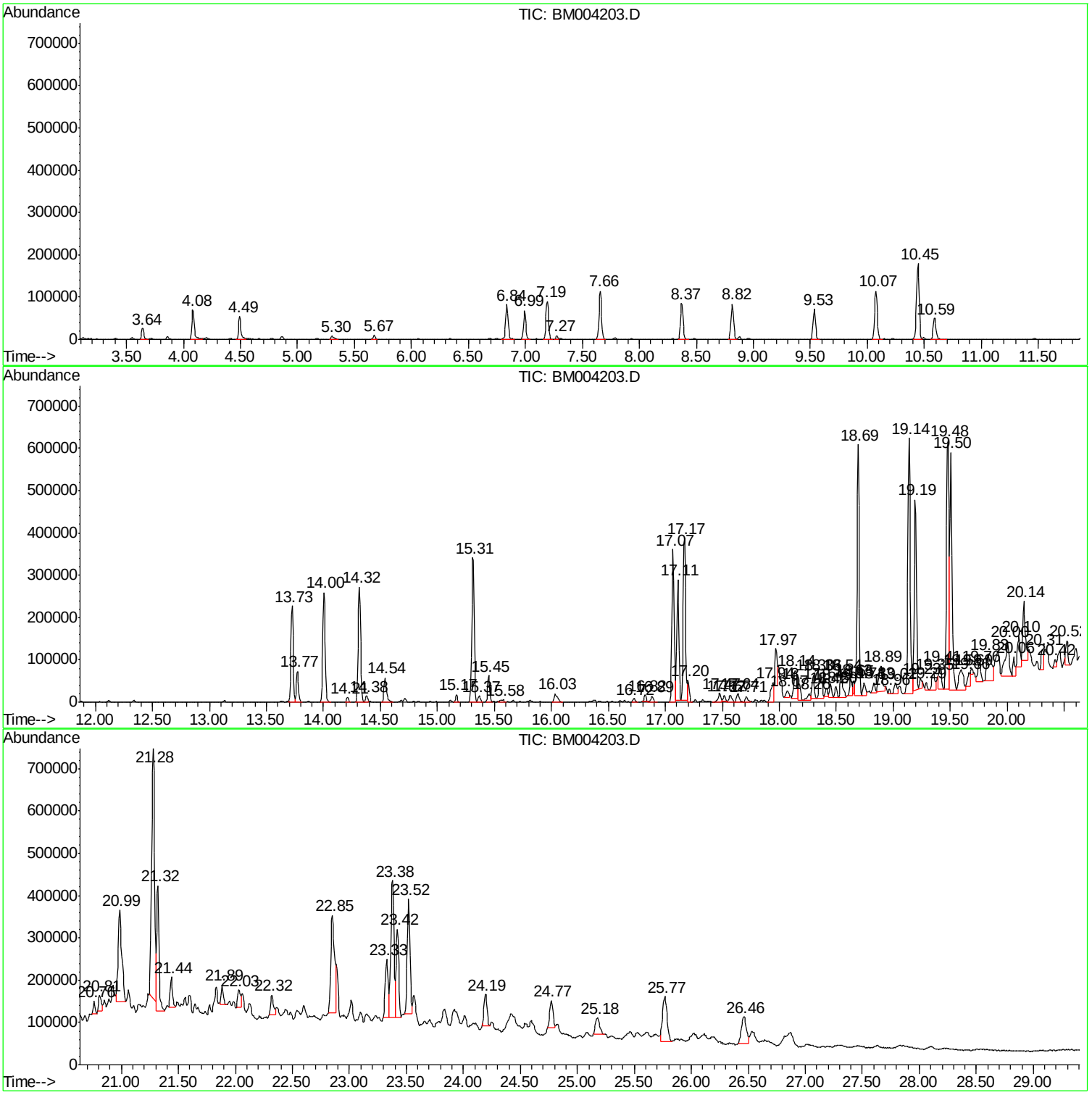
Sum of corrected areas: 17322104

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004203.D
Acq On : 08 Feb 2016 16:59
Operator : SJ/IZ
Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C04J7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004203.D
Acq On : 08 Feb 2016 16:59
Operator : SJ/IZ
Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

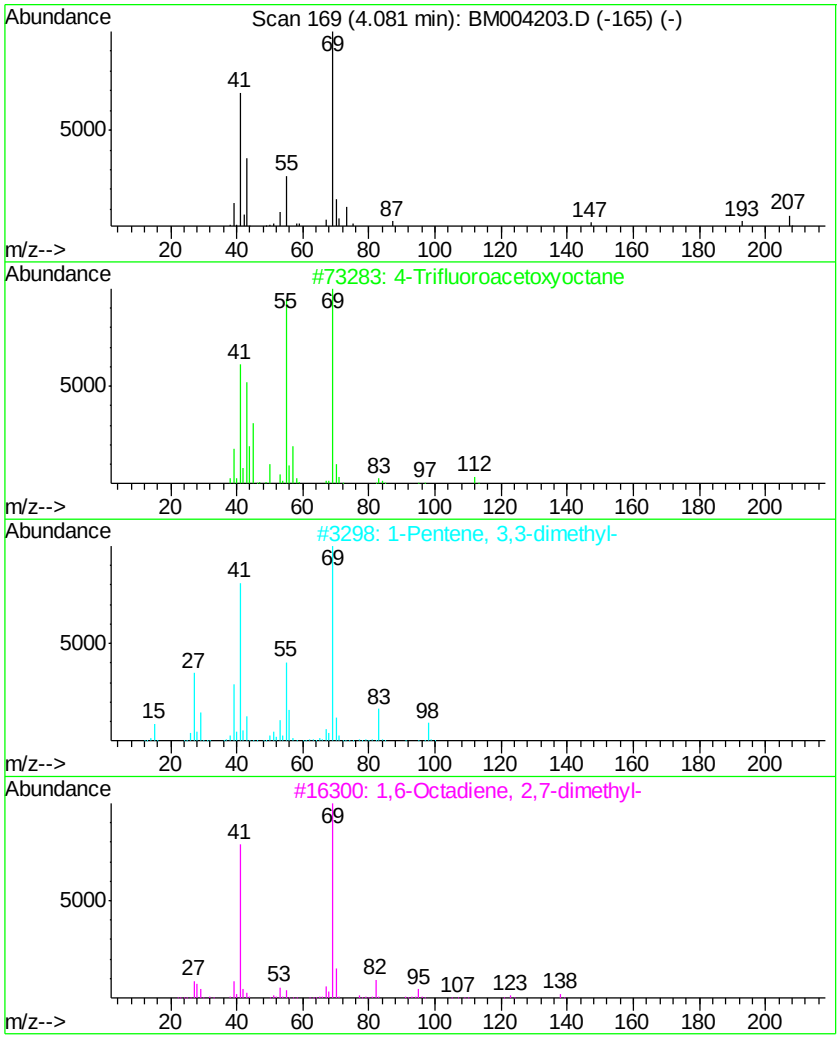
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

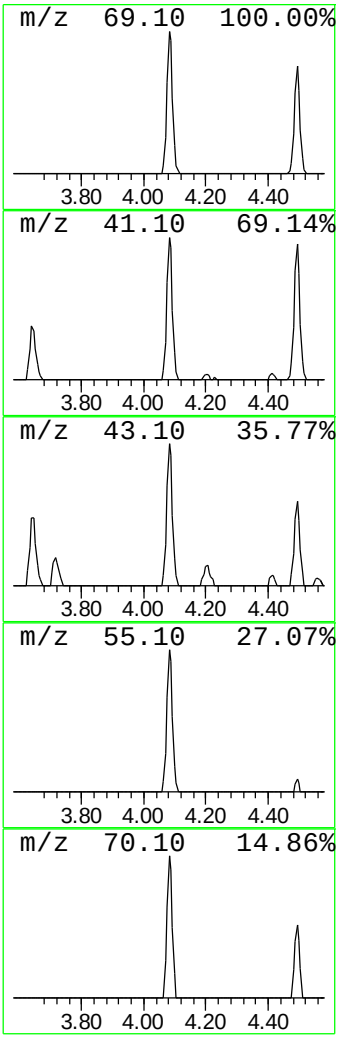
****

Peak Number 2 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.08	12.13 ng/ul	107547	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Trifluoroacetoxyoctane	226	C10H17F3O2	116465-17-9	45
2	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	42
3	1,6-Octadiene, 2,7-dimethyl-	138	C10H18	040195-09-3	36
4	1,5-Heptadiene, 3,3,5-trimethyl-	138	C10H18	074630-29-8	36
5	1-Pentyn-3-ol, 3,4-dimethyl-	112	C7H12O	001482-15-1	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004203.D
Acq On : 08 Feb 2016 16:59
Operator : SJ/IZ
Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

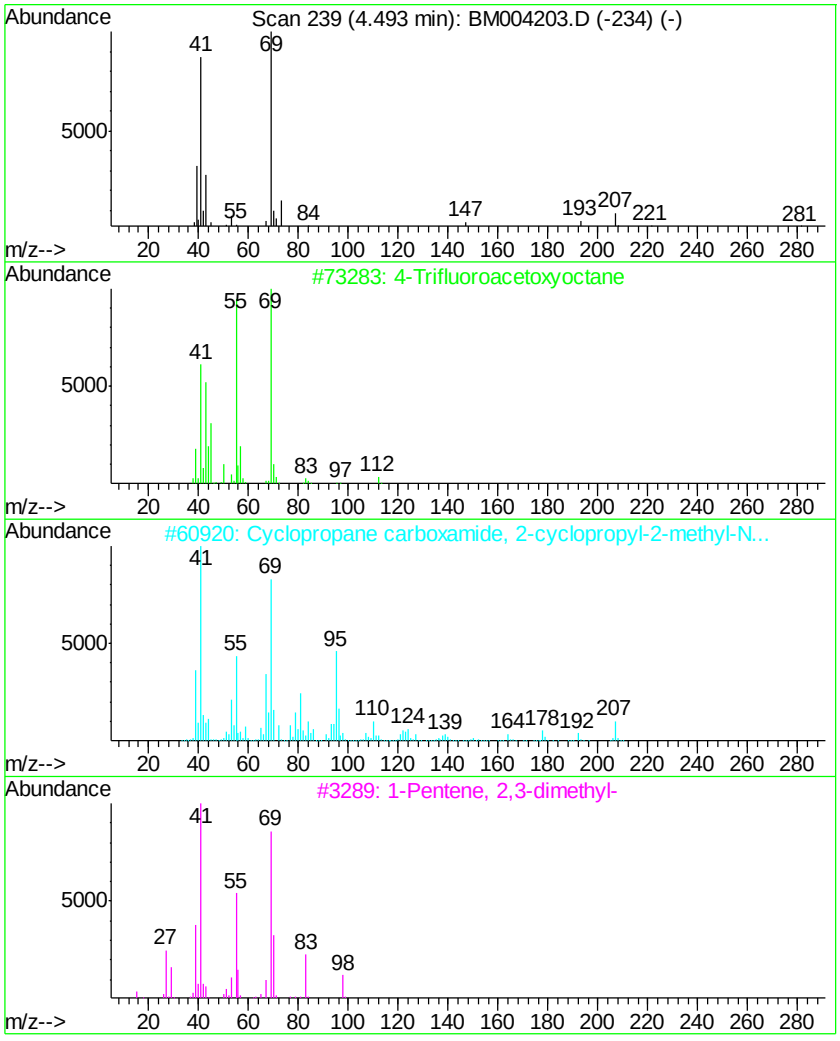
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

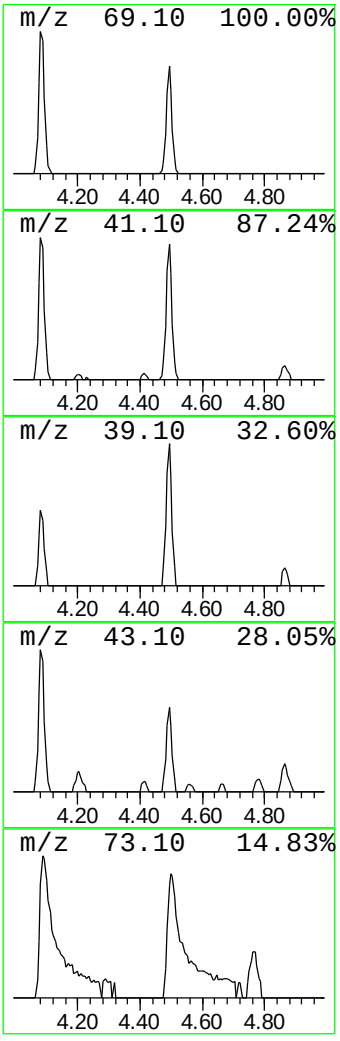
****

Peak Number 3 4-Trifluoroacetoxyoctane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.49	9.00 ng/ul	79779	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Trifluoroacetoxyoctane	226	C10H17F3O2	116465-17-9	50
2	Cyclopropane carboxamide, 2-cycl...	207	C13H21NO	331416-19-4	9
3	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	9
4	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	9
5	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	9





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004203.D
Acq On : 08 Feb 2016 16:59
Operator : SJ/IZ
Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

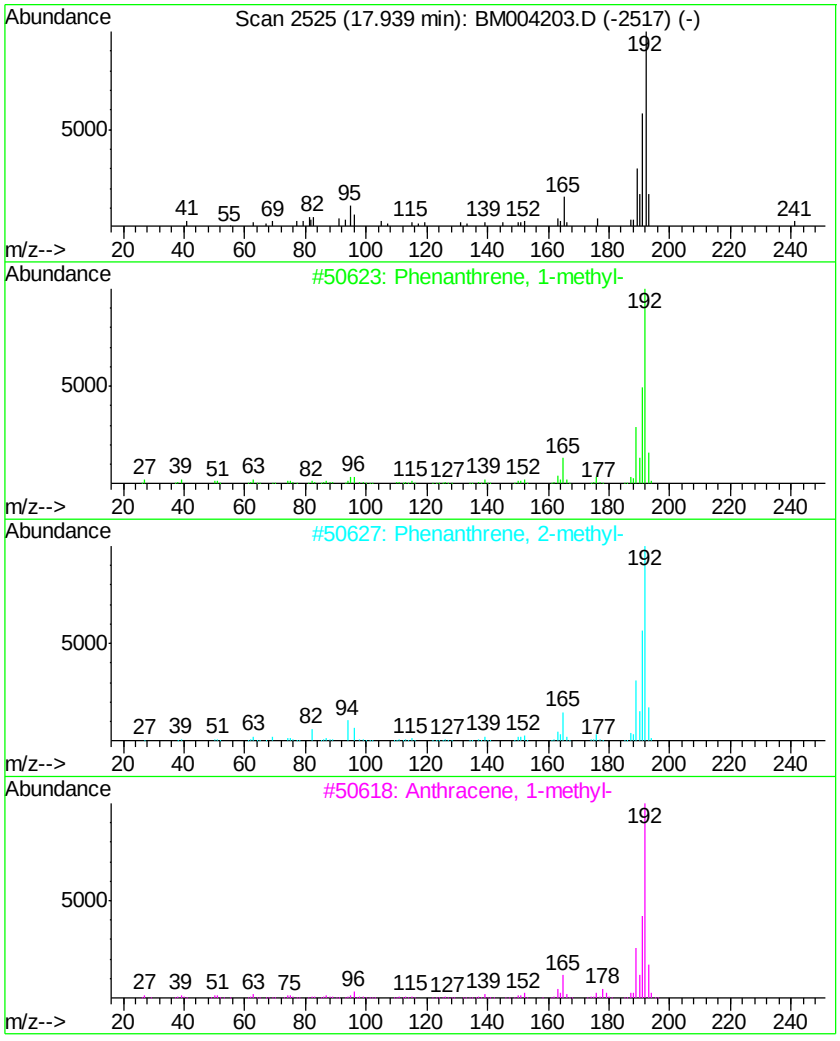
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

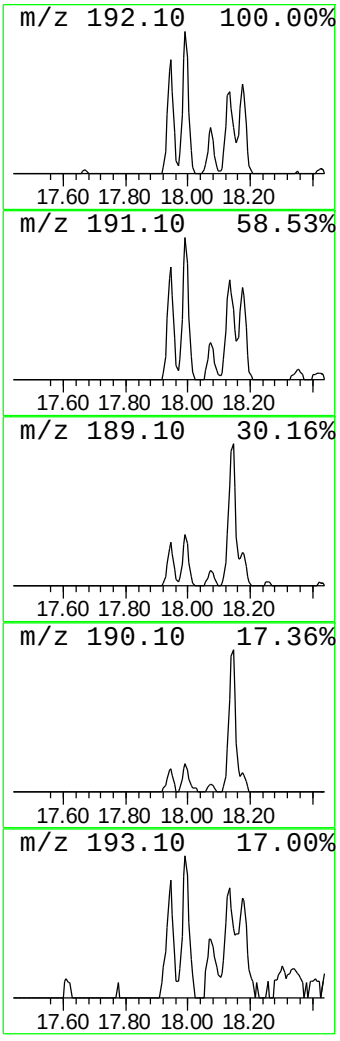
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	3.25 ng/ul	85015	Phenanthrene-d10	17.07

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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004203.D
Acq On : 08 Feb 2016 16:59
Operator : SJ/IZ
Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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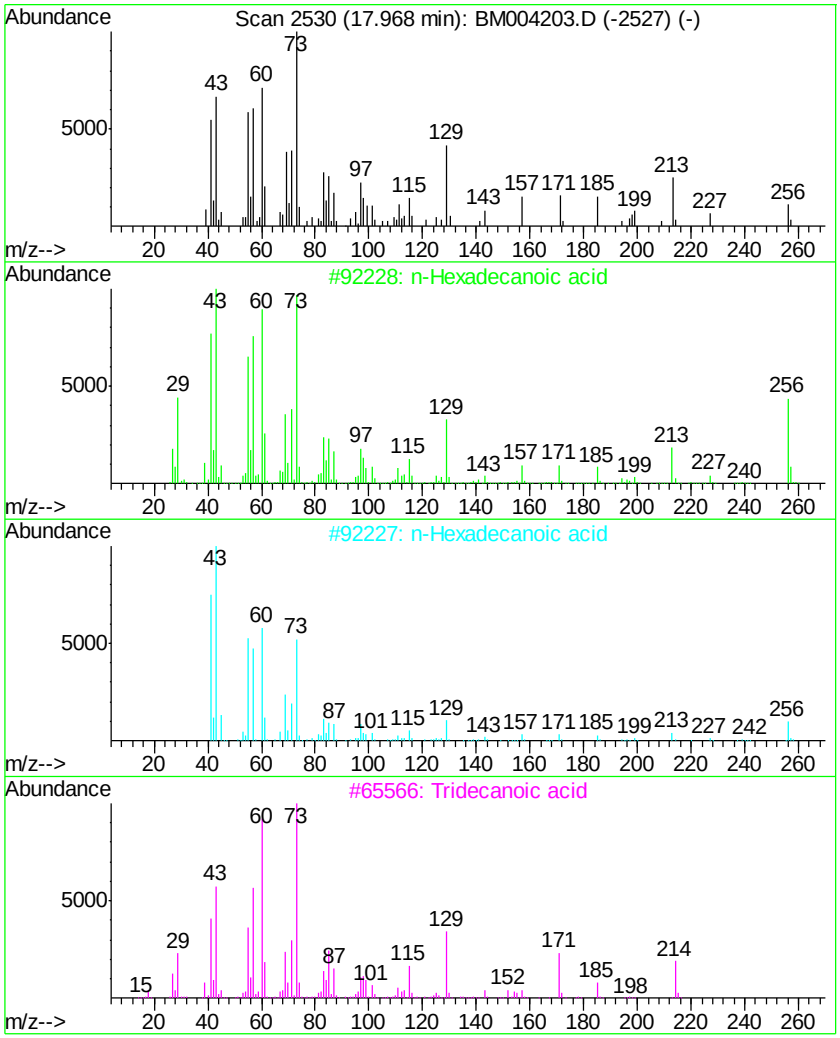
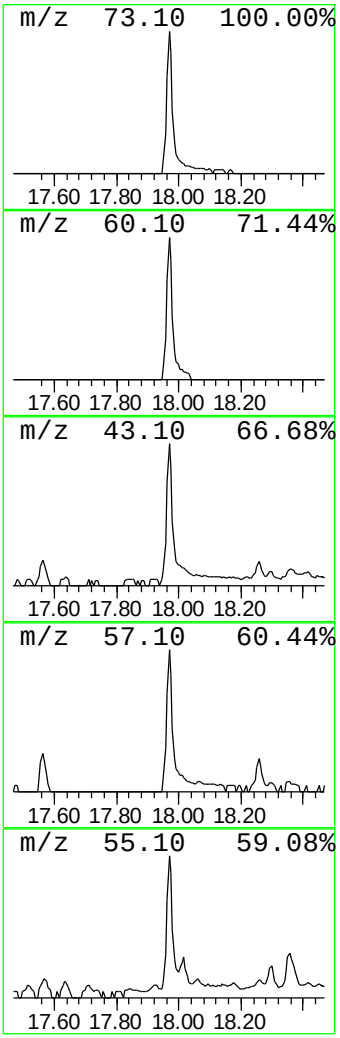
Peak Number 5 n-Hexadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	4.17 ng/ul	109085	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
3	Tridecanoic acid	214	C13H26O2	000638-53-9	90
4	Tridecanoic acid	214	C13H26O2	000638-53-9	86
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	76





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004203.D
Acq On : 08 Feb 2016 16:59
Operator : SJ/IZ
Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

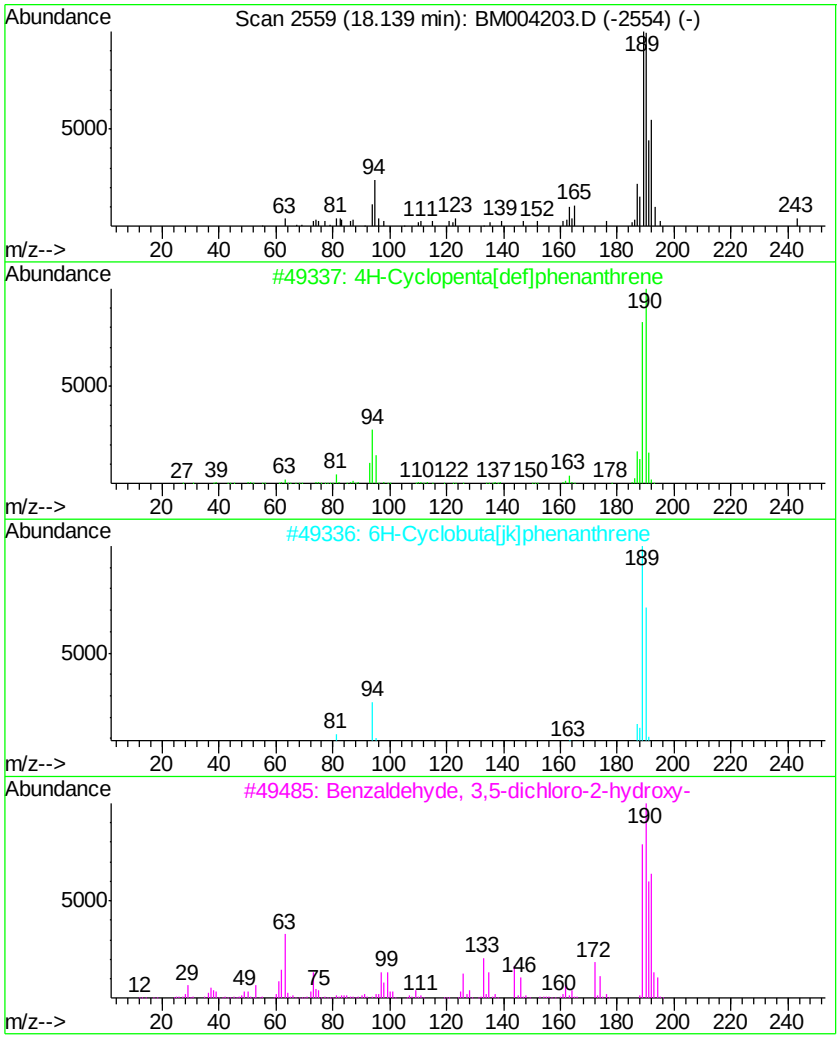
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

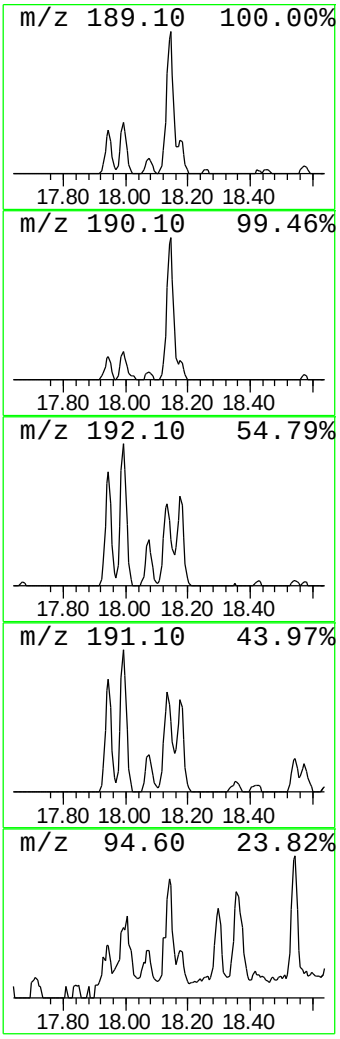
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	4.68 ng/ul	122388	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	52
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004203.D
Acq On : 08 Feb 2016 16:59
Operator : SJ/IZ
Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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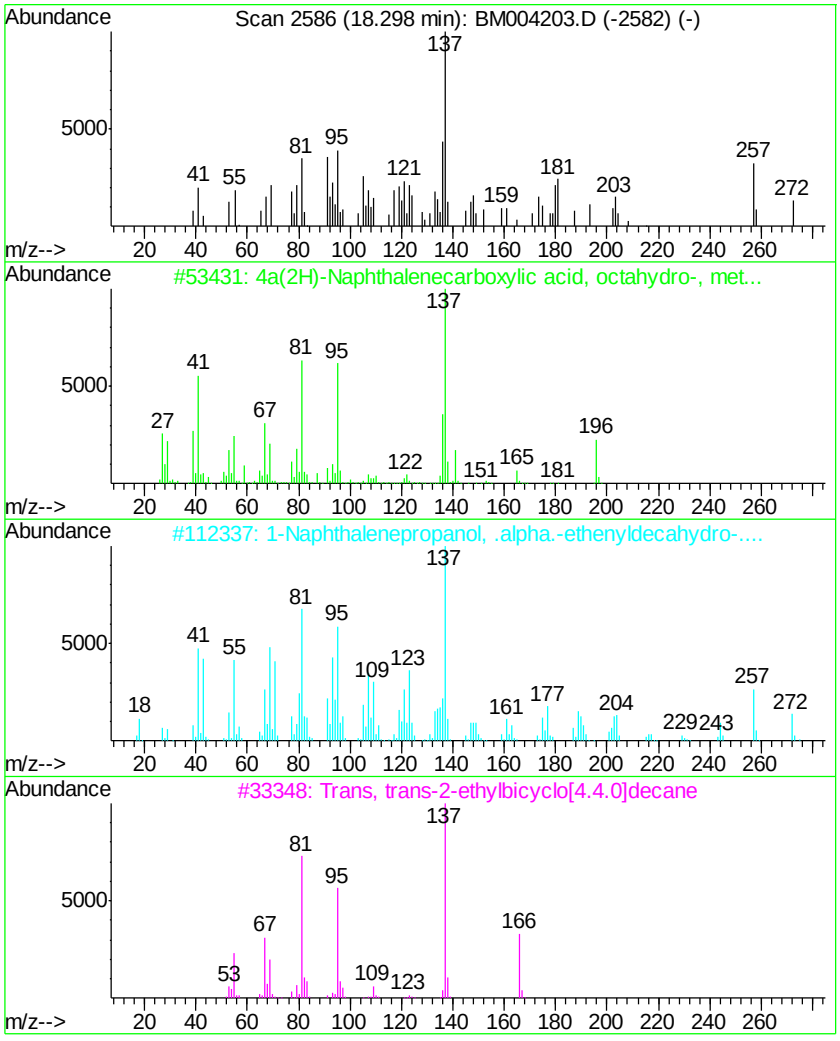
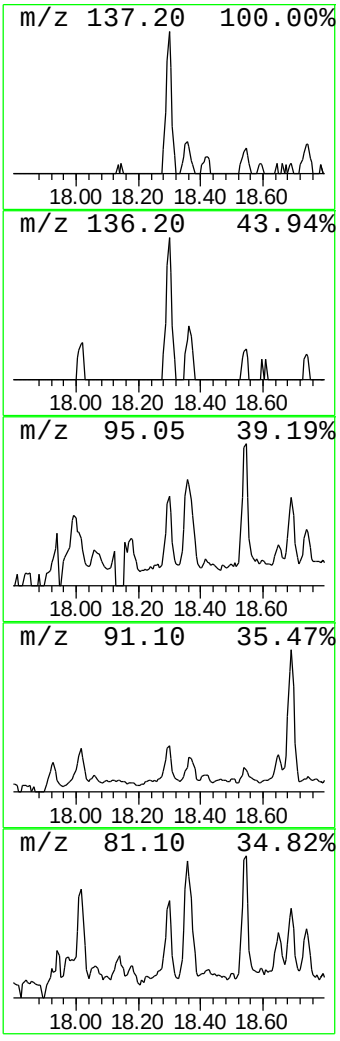
Peak Number 7 unknown-02 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	2.66 ng/ul	69685	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4a(2H)-Naphthalenecarboxylic aci...	196	C12H20O2	062338-25-4	38
2	1-Naphthalenepropanol, .alpha.-e...	290	C20H34O	001438-62-6	35
3	Trans, trans-2-ethylbicyclo[4.4....	166	C12H22	066660-37-5	35
4	5-(1-Bromo-1-methyl-ethyl)-2-met...	234	C10H19BrO	1000188-65-7	35
5	Phosphoric acid, tribornyl ester	506	C30H51O4P	1000158-10-2	35





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004203.D
Acq On : 08 Feb 2016 16:59
Operator : SJ/IZ
Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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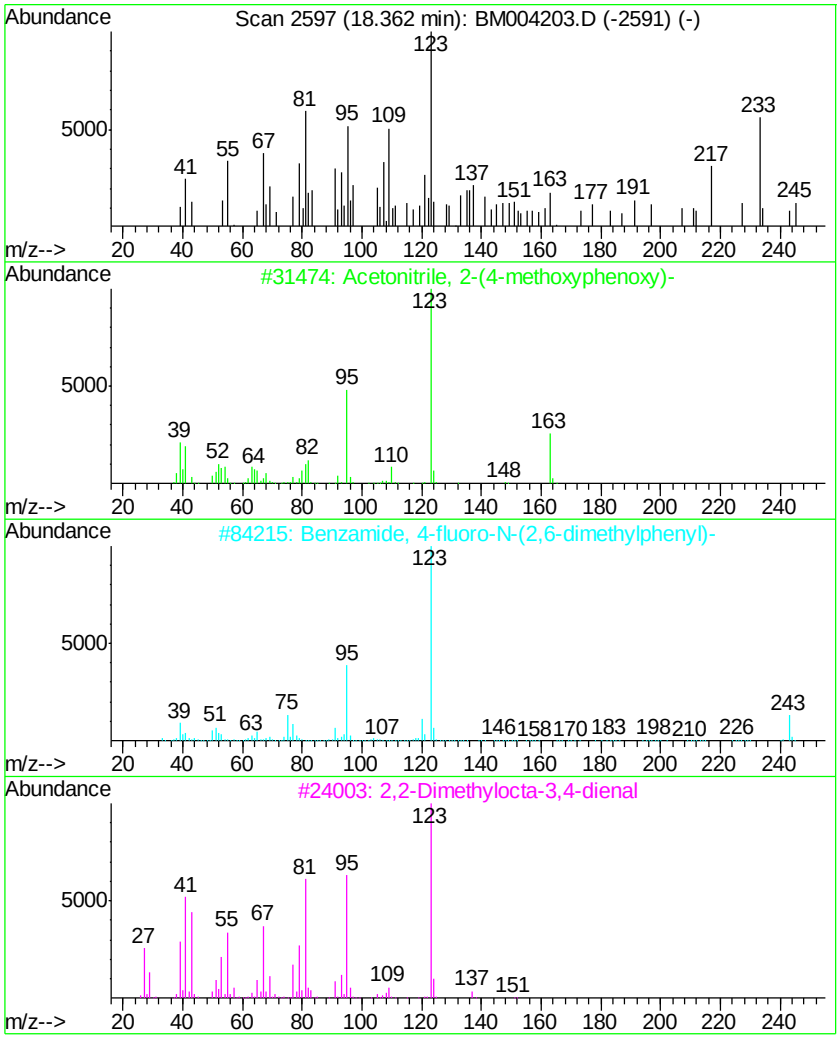
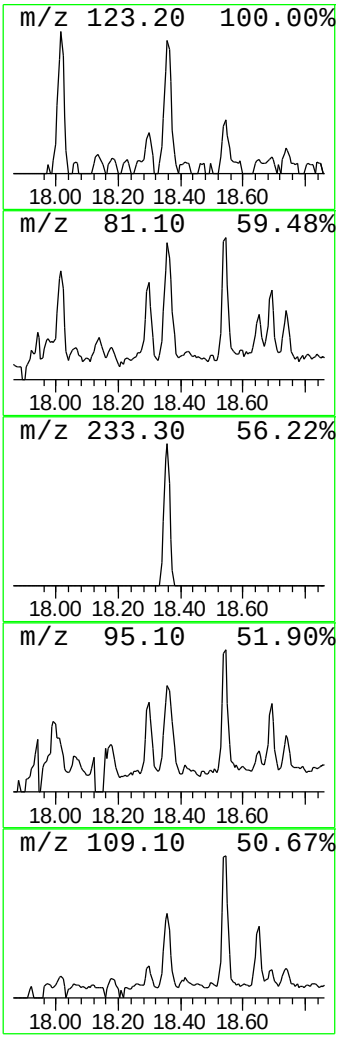
Peak Number 8 unknown-03 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	4.33 ng/ul	113331	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, 2-(4-methoxyphenoxy)-	163	C9H9NO2	022446-12-4	27
2	Benzamide, 4-fluoro-N-(2,6-dimet...	243	C15H14FNO	117805-18-2	27
3	2,2-Dimethylocta-3,4-dienal	152	C10H16O	000590-71-6	27
4	3,3-Dimethyl-hepta-4,5-dien-2-one	138	C9H14O	1000190-54-1	27
5	4,4-Dimethoxy-2,5-cyclohexadien-...	154	C8H10O3	000935-50-2	27





Library Search Compound Report

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Data File : BM004203.D
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Operator : SJ/IZ
Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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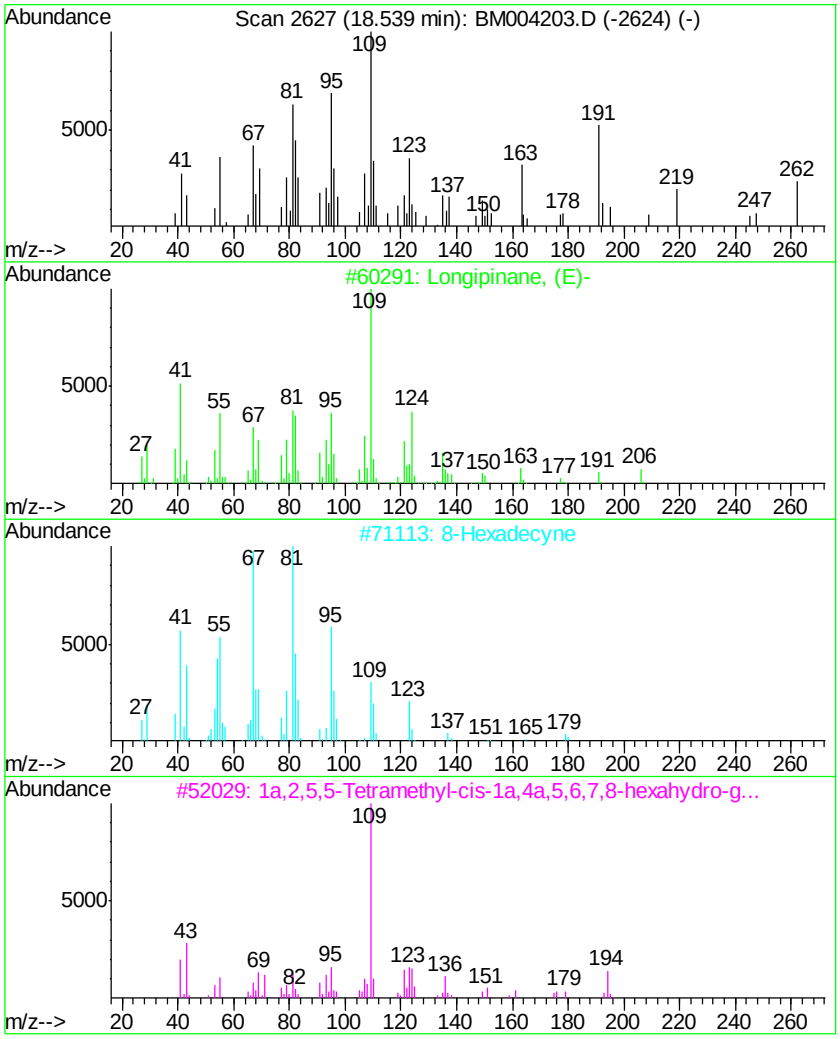
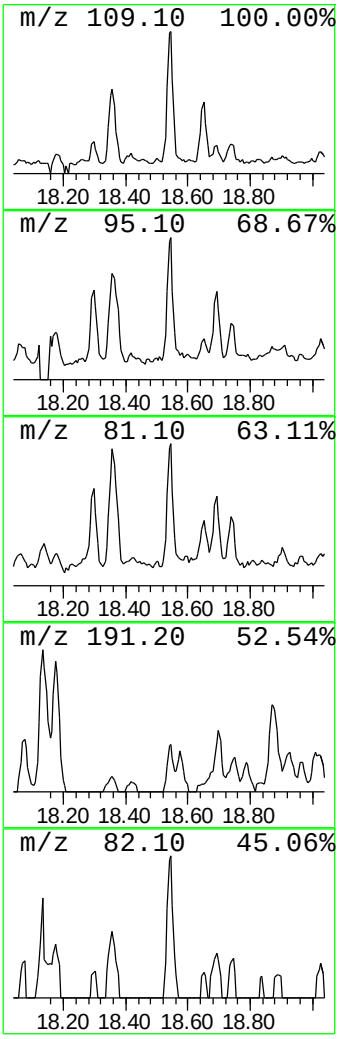
Peak Number 9 unknown-04 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	3.56 ng/ul	93214	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Longipinane, (E)-	206	C15H26	1000156-14-5	35
2	8-Hexadecyne	222	C16H30	019781-86-3	27
3	1a,2,5,5-Tetramethyl-cis-1a,4a,5...	194	C13H22O	1000215-77-7	22
4	2-Cyclohexen-1-ol, 2-methyl-5-(1...	152	C10H16O	001197-06-4	18
5	trans-3(10)-Caren-2-ol	152	C10H16O	1000151-66-5	14





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Acq On : 08 Feb 2016 16:59
Operator : SJ/IZ
Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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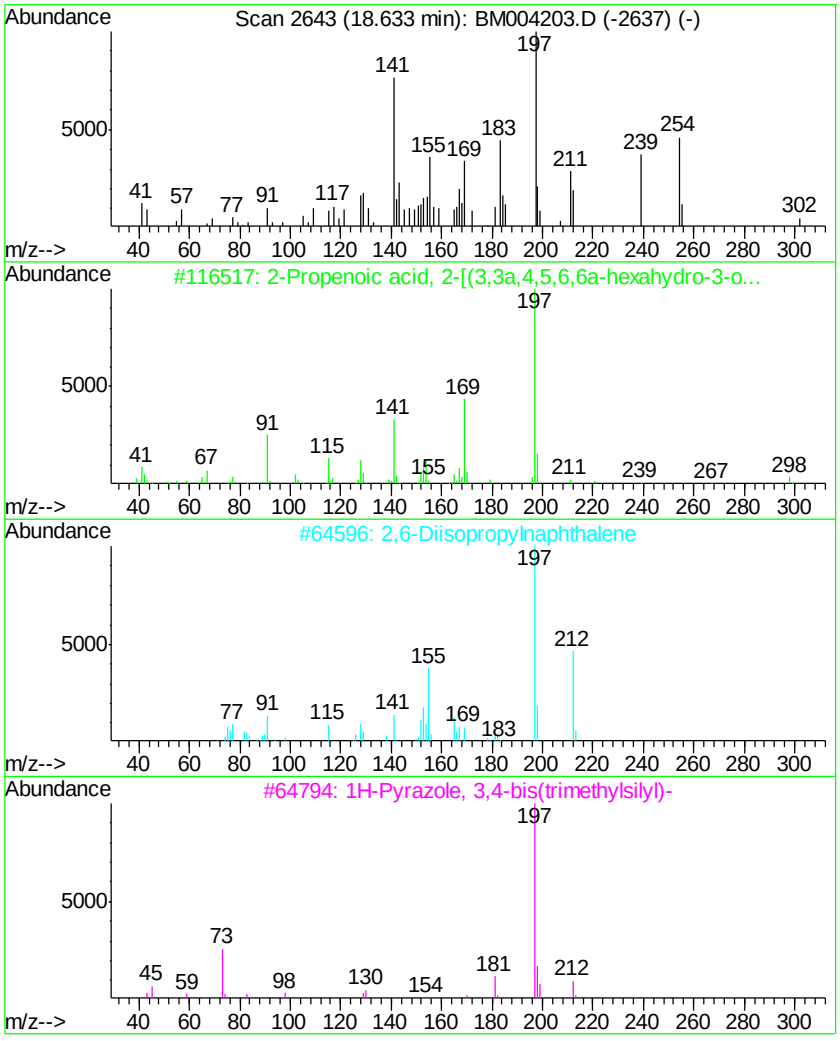
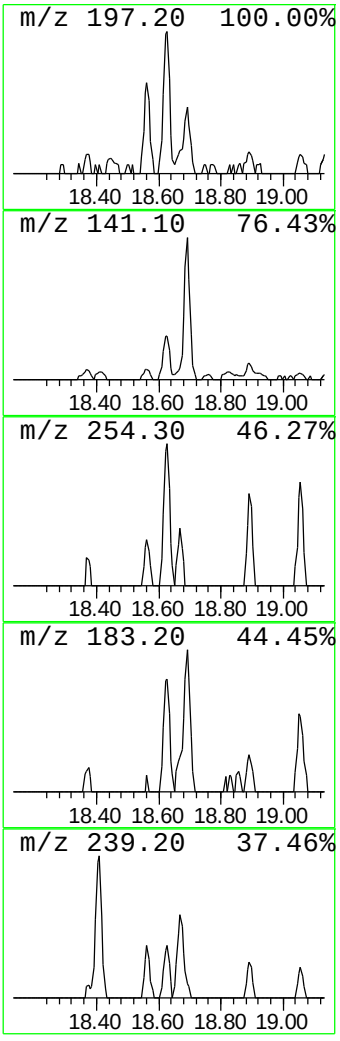
Peak Number 10 unknown-05 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	2.08 ng/ul	54489	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, 2-[(3,3a,4,5,6...	298	C18H18O4	1000142-81-2	37
2	2,6-Diisopropylnaphthalene	212	C16H20	024157-81-1	35
3	1H-Pyrazole, 3,4-bis(trimethylsi...	212	C9H20N2Si2	016037-45-9	22
4	5'-Chloro-2'-methylacetanilide	183	C9H10ClNO	005900-55-0	22
5	1-Tert-butyl-1-(naphtyl-1)-1-sil...	254	C17H22Si	093241-91-9	22





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Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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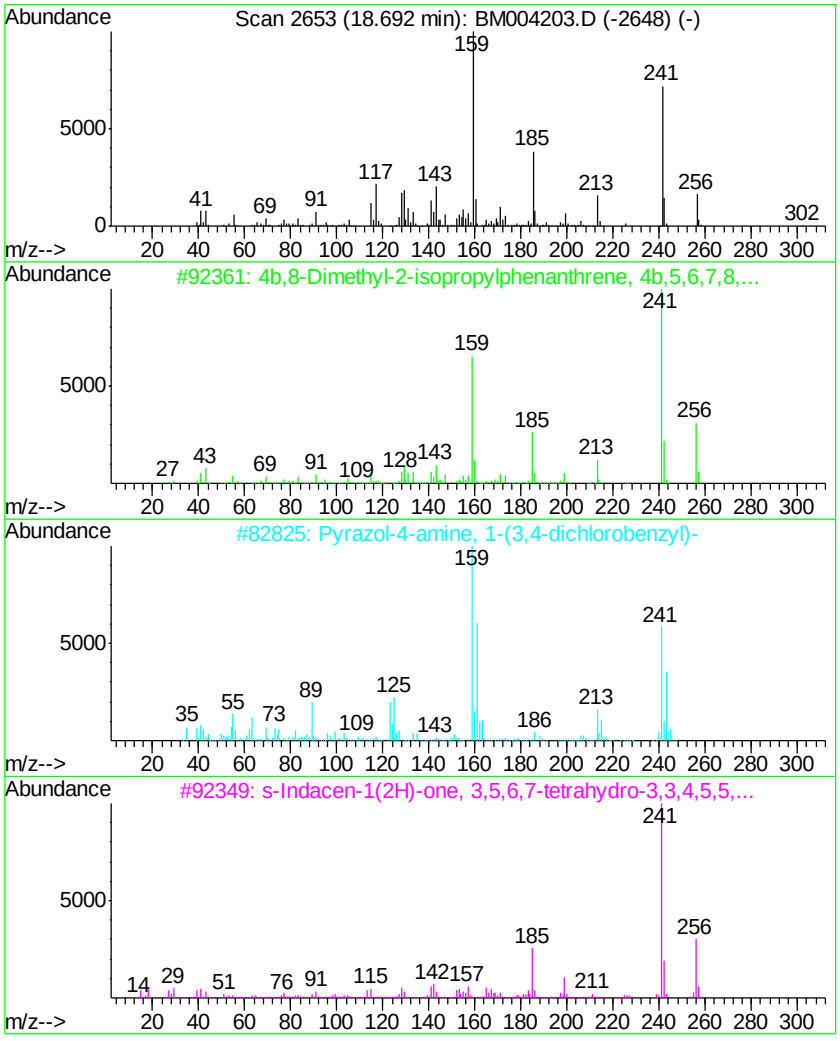
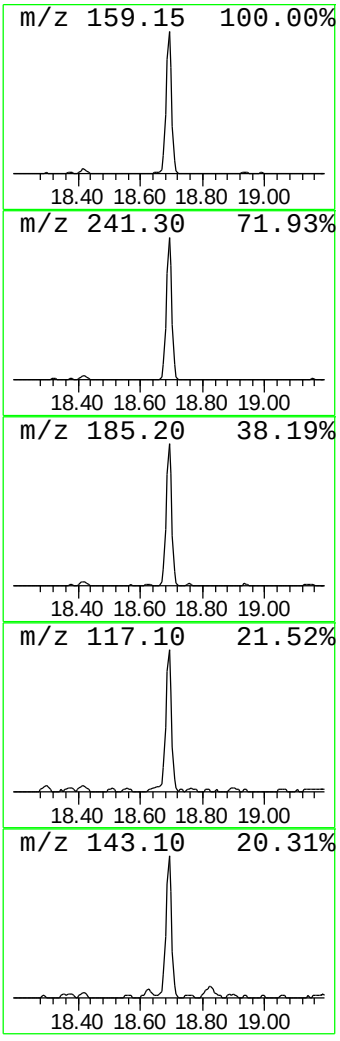
Peak Number 11 4b,8-Dimethyl-2-isopropylph... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	29.19 ng/ul	763597	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	98
2	Pyrazol-4-amine, 1-(3,4-dichloro...	241	C10H9Cl2N3	1000273-77-4	49
3	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	38
4	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	38
5	2(1H)-Quinolinone, hydrazone	159	C9H9N3	015793-77-8	27





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Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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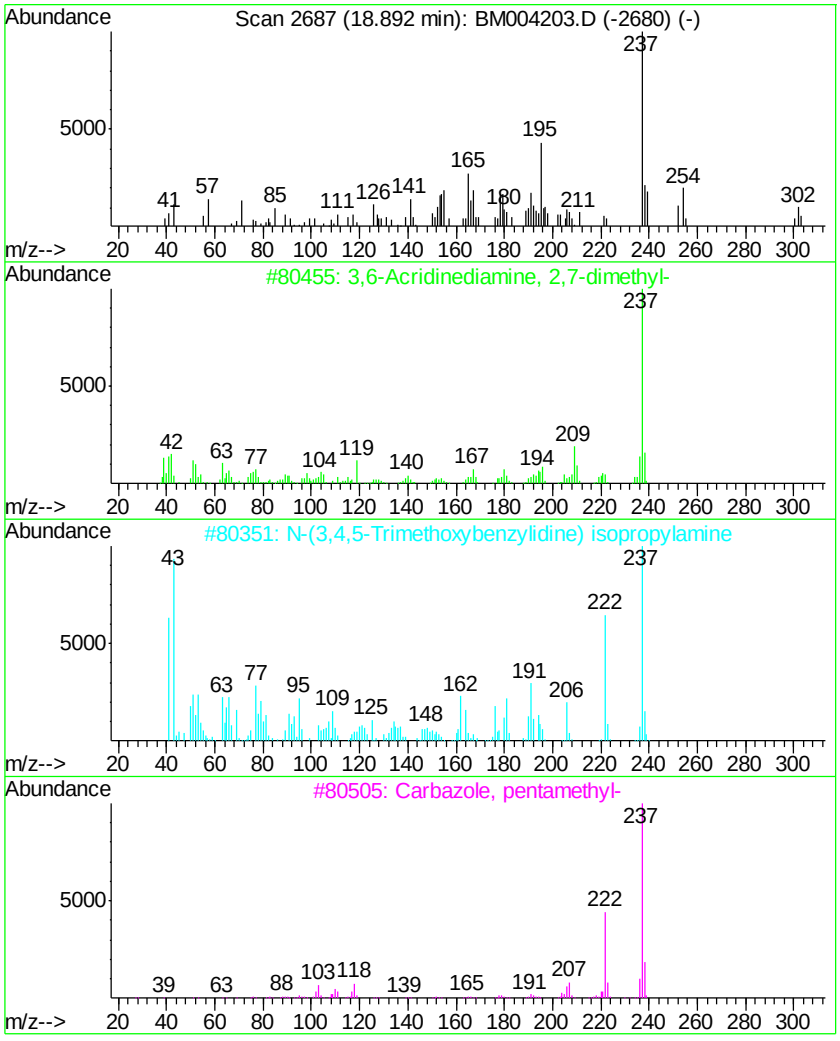
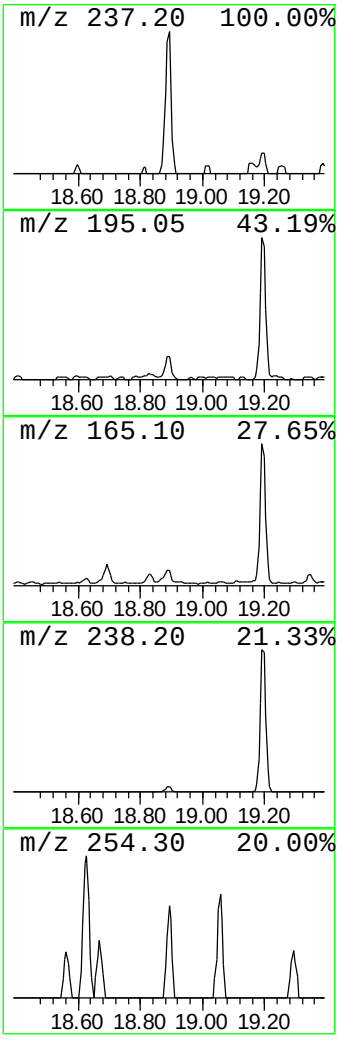
Peak Number 12 unknown-06 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	5.23 ng/ul	136776	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Acridinediamine, 2,7-dimethyl-	237	C15H15N3	000092-26-2	38
2	N-(3,4,5-Trimethoxybenzylidine) ...	237	C13H19NO3	035967-21-6	38
3	Carbazole, pentamethyl-	237	C17H19N	027477-88-9	38
4	Coumarin-6-ol, 3,4-dihydro-4,4-d...	237	C11H11NO5	1000126-61-0	38
5	Pyrazolo[1,5-a]pyrimidine, 2,5,7...	237	C15H15N3	138628-46-3	38





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Acq On : 08 Feb 2016 16:59
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Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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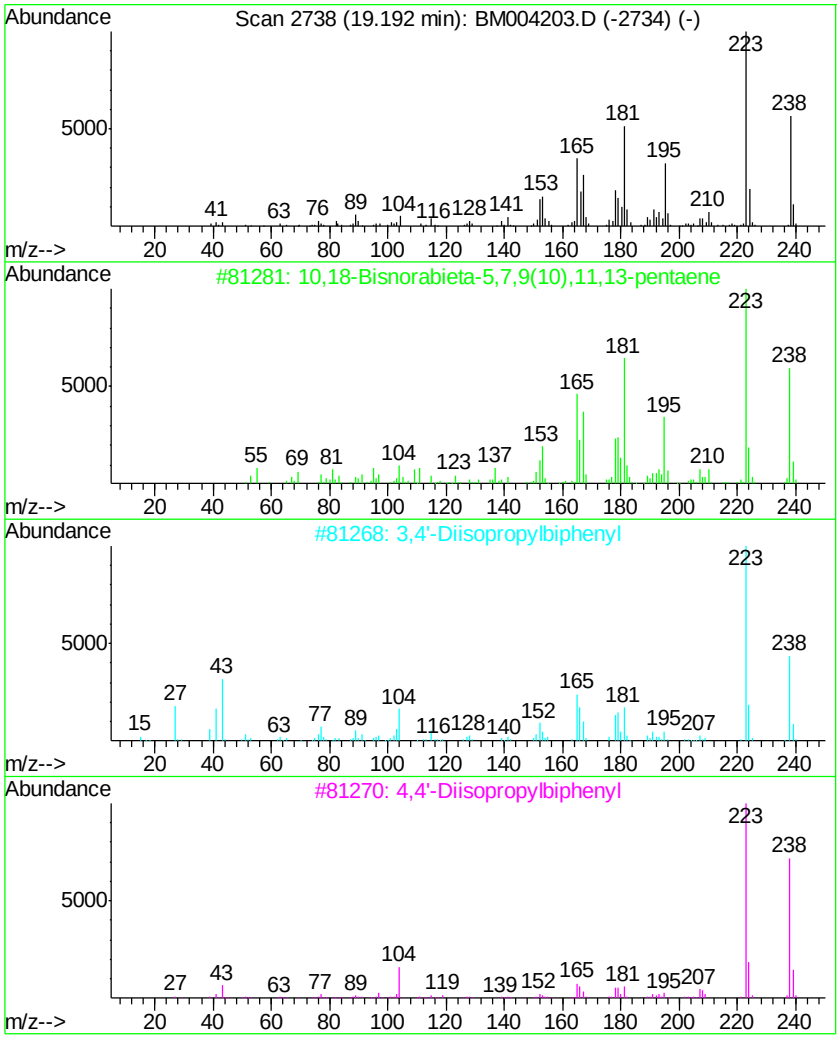
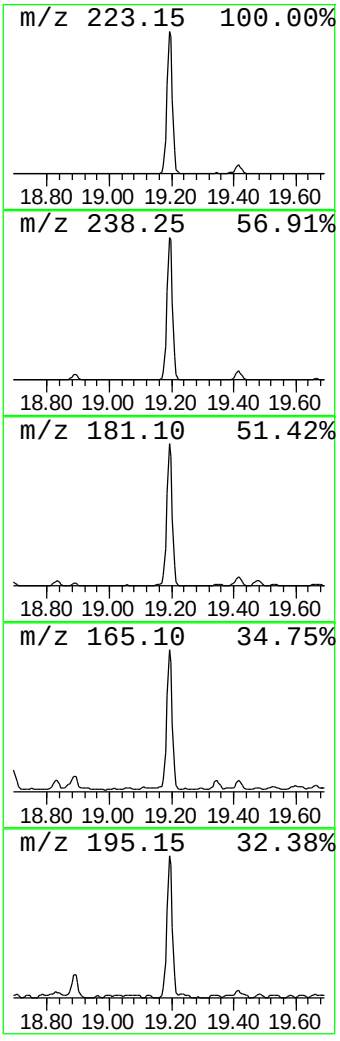
Peak Number 13 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.19	10.43 ng/ul	582373	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	89
3	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	64
4	3-(N,N-Diethylamino)carbazole	238	C16H18N2	054994-31-9	62
5	3,3'-Diacetylbiphenyl	238	C16H14O2	094113-07-2	53





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Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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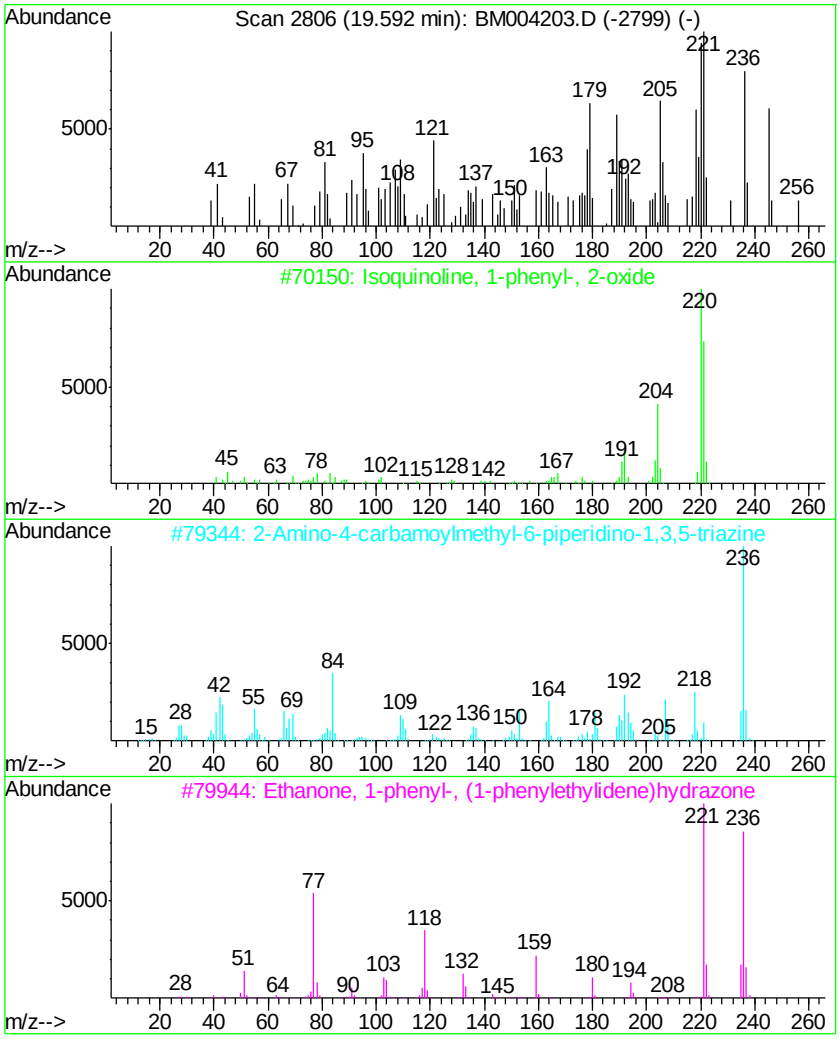
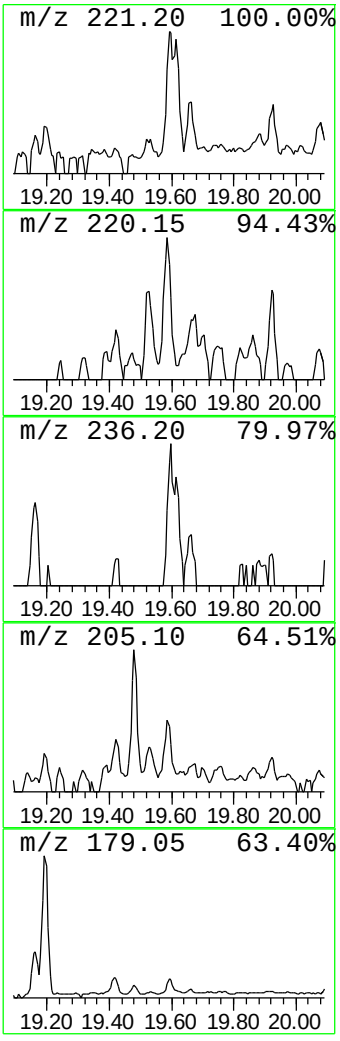
Peak Number 14 unknown-07 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.59	2.40 ng/ul	133907	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoquinoline, 1-phenyl-, 2-oxide	221	C15H11NO	016303-15-4	35
2	2-Amino-4-carbamoylmethyl-6-pipe...	236	C10H16N6O	1000241-06-0	35
3	Ethanone, 1-phenyl-, (1-phenylet...	236	C16H16N2	000729-43-1	30
4	Benzo[b]selenophene-3-carbonitri...	221	C10H7NSe	037007-54-8	30
5	2(1H)-Quinolinone, 4-phenyl-	221	C15H11NO	005855-57-2	25





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Acq On : 08 Feb 2016 16:59
Operator : SJ/IZ
Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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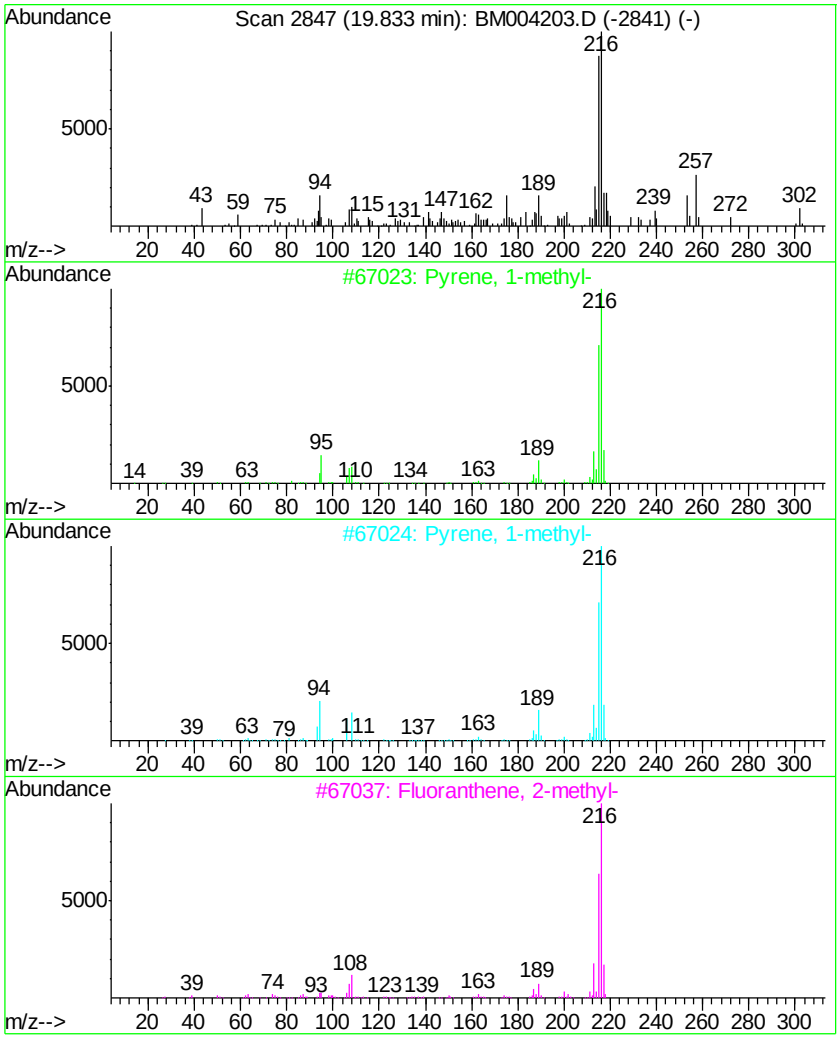
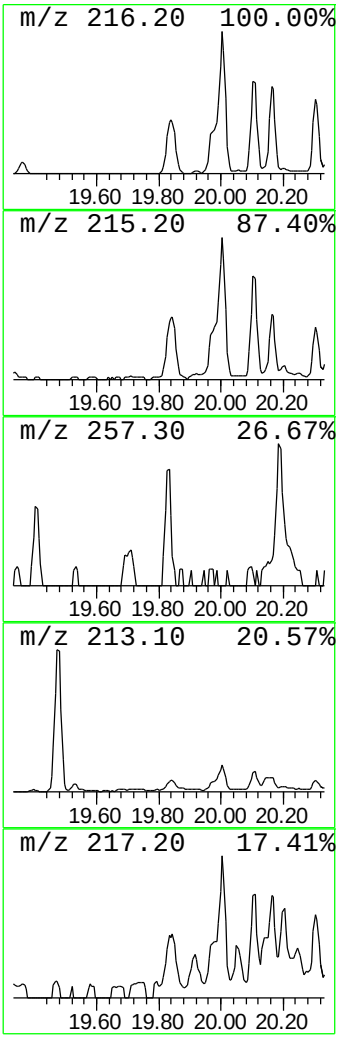
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	3.53 ng/ul	196865	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	60
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	60





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Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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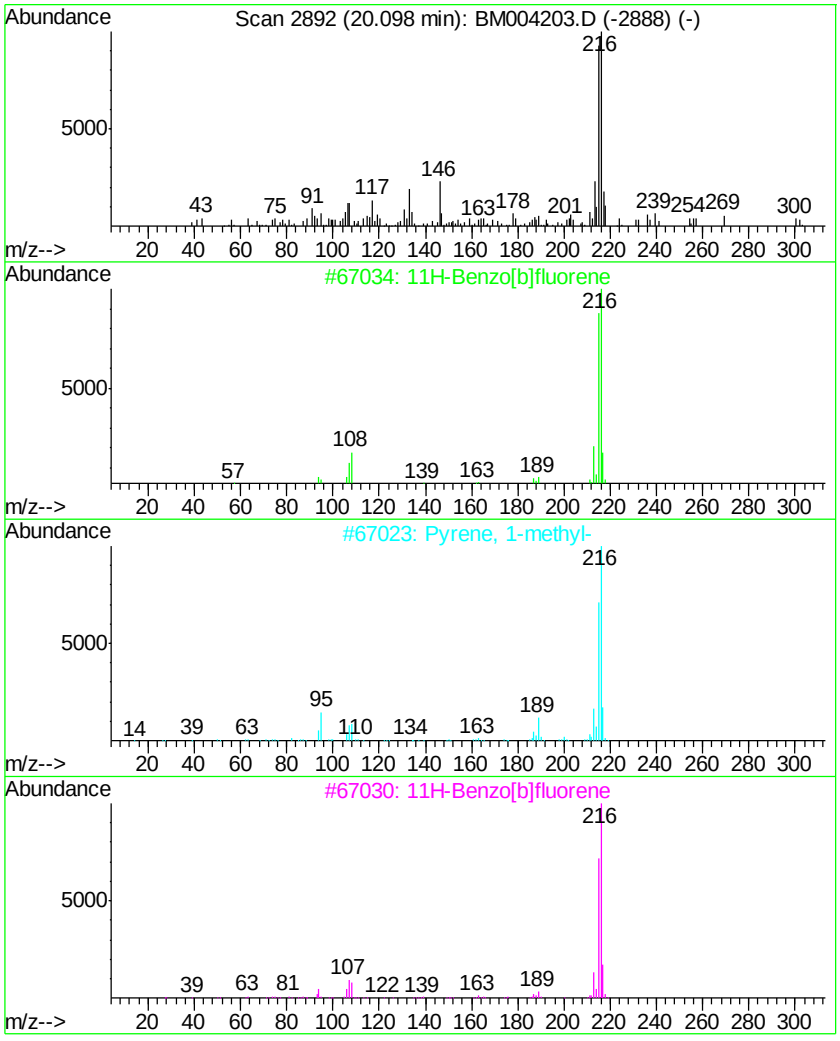
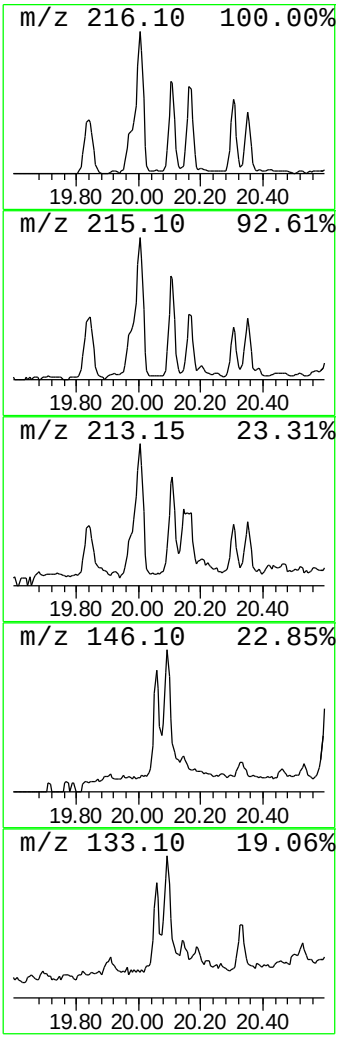
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.14 ng/ul	119572	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68





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Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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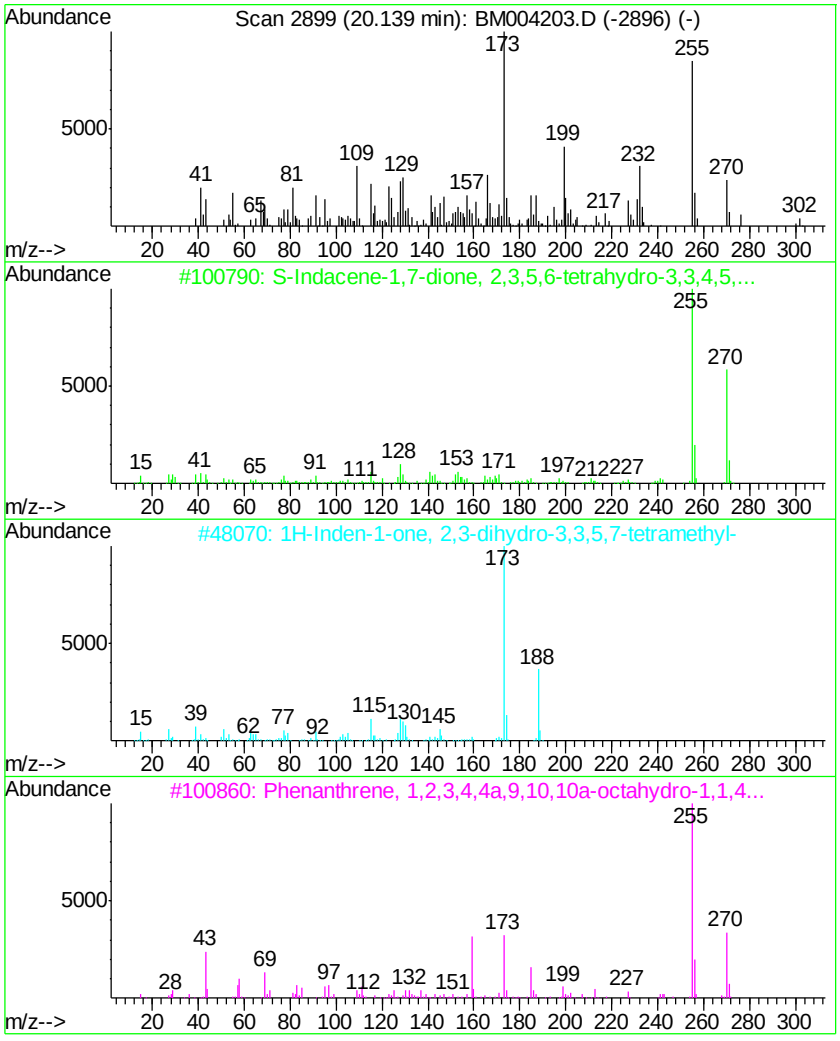
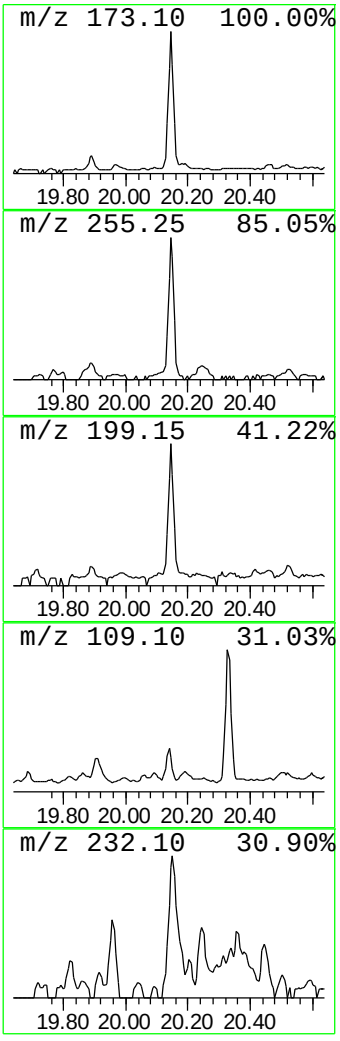
Peak Number 18 unknown-08 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.14	3.89 ng/ul	217081	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	S-Indacene-1,7-dione, 2,3,5,6-te...	270	C18H22O2	055591-16-7	38
2	1H-Inden-1-one, 2,3-dihydro-3,3,...	188	C13H16O	054789-23-0	30
3	Phenanthrene, 1,2,3,4,4a,9,10,10...	270	C20H30	019407-28-4	27
4	5,7-Dihydroxy-2-methyl-2-phenyl-...	270	C16H14O4	108838-42-2	25
5	2a,3,4,5-Tetrahydrobenz(cd)indol...	173	C11H11NO	096933-21-0	18





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Data File : BM004203.D
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Operator : SJ/IZ
Sample : H1340-08
Misc :
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Instrument : BNA_M
ClientSampleId : C04J7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
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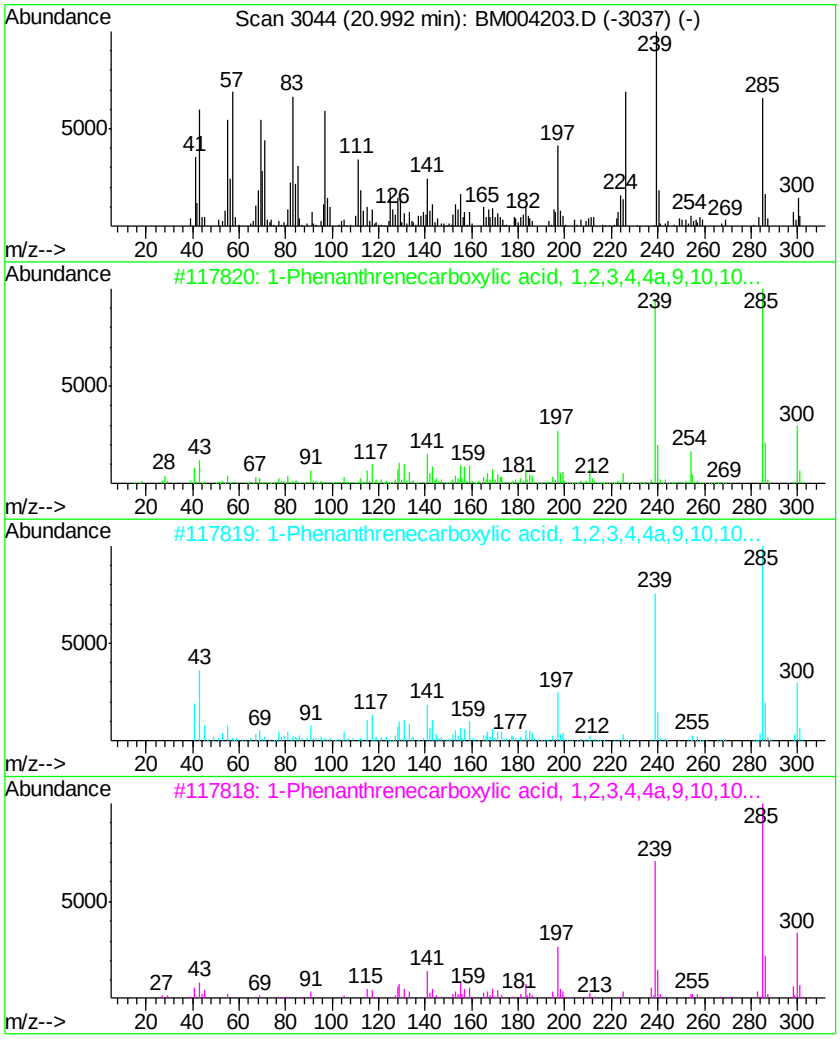
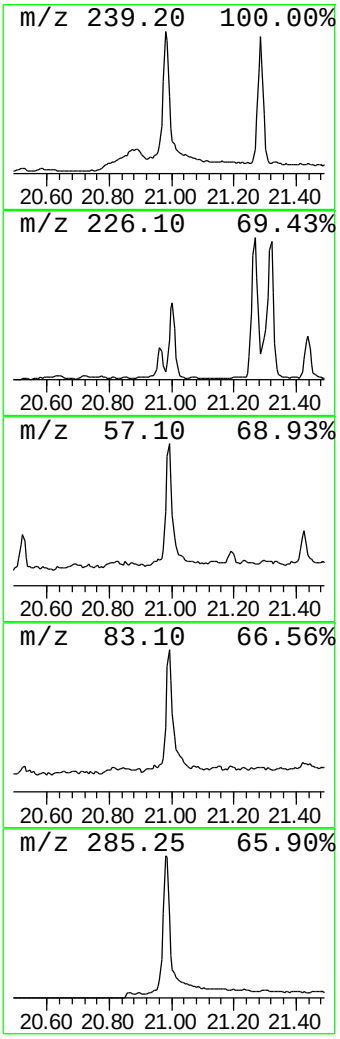
Peak Number 19 1-Phenanthrenecarboxylic ac... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	8.55 ng/ul	477411	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	001740-19-8	93
2	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	001740-19-8	91
3	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	83
4	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	001740-19-8	55
5	Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	52





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004203.D
Acq On : 08 Feb 2016 16:59
Operator : SJ/IZ
Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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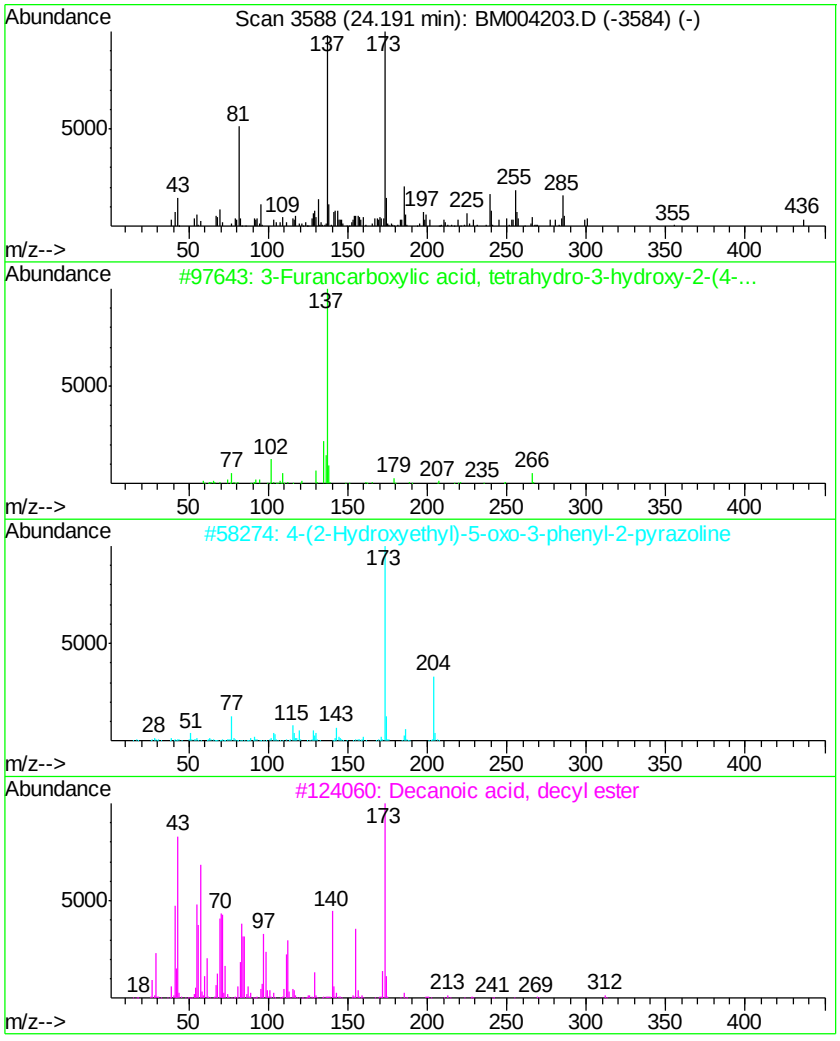
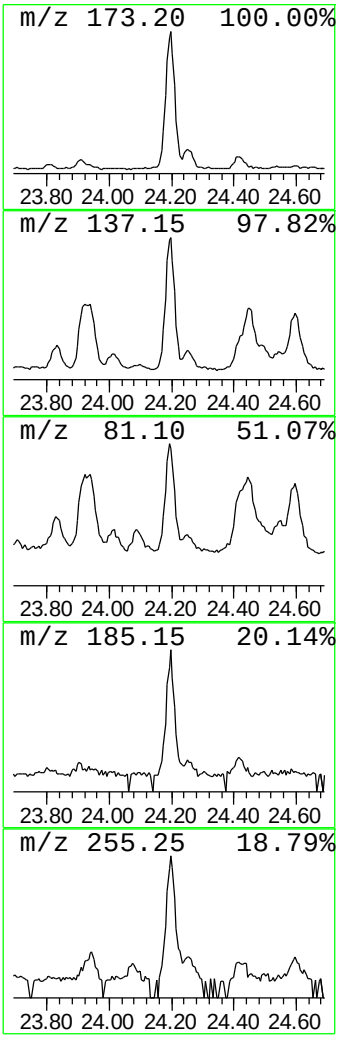
Peak Number 21 unknown-09 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.19	5.77 ng/ul	136574	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Furancarboxylic acid, tetrahyd...	266	C13H14O6	042151-37-1	25
2	4-(2-Hydroxyethyl)-5-oxo-3-pheny...	204	C11H12N2O2	010244-77-6	22
3	Decanoic acid, decyl ester	312	C20H40O2	001654-86-0	22
4	6-Amino-2,4-dimethylphenol	137	C8H11NO	041458-65-5	22
5	Phenol, 3-(dimethylamino)-	137	C8H11NO	000099-07-0	22





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004203.D
Acq On : 08 Feb 2016 16:59
Operator : SJ/IZ
Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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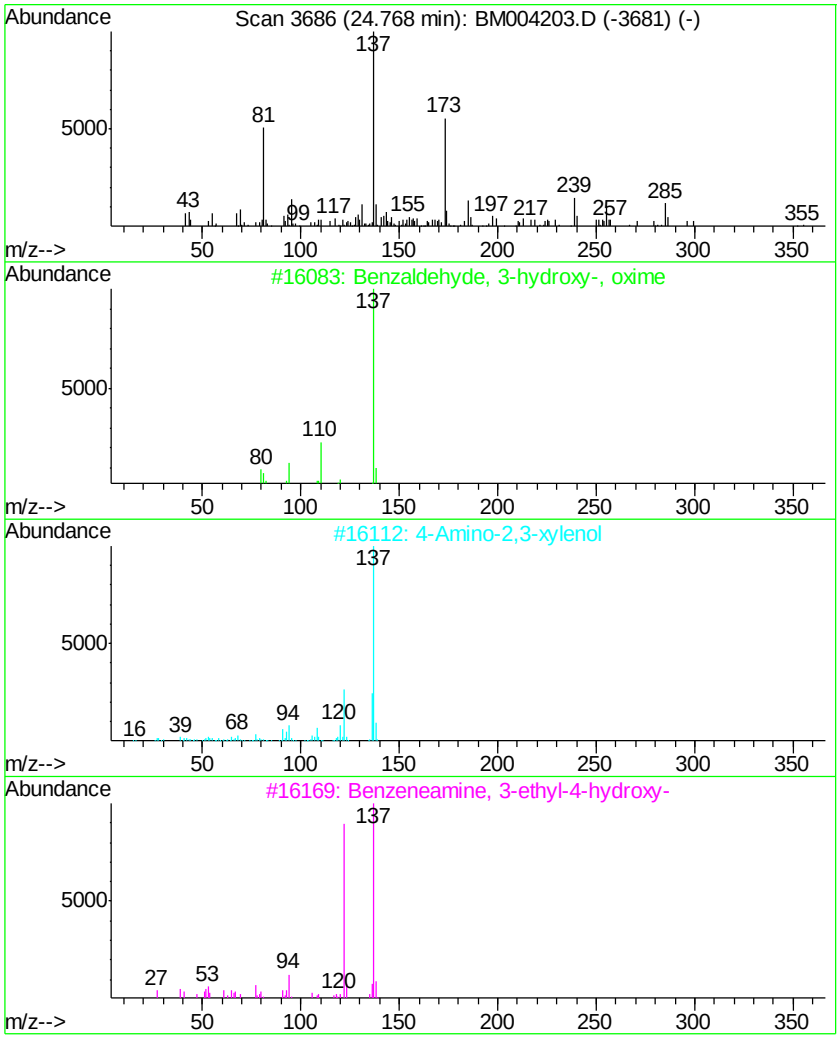
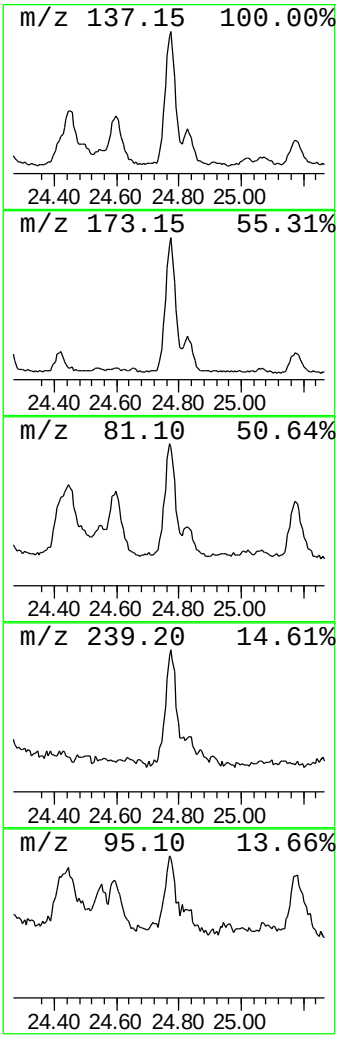
Peak Number 22 unknown-10 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.77	5.64 ng/ul	133398	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3-hydroxy-, oxime	137	C7H7NO2	022241-18-5	35
2	4-Amino-2,3-xylenol	137	C8H11NO	003096-69-3	35
3	Benzeneamine, 3-ethyl-4-hydroxy-	137	C8H11NO	178698-88-9	35
4	3-Penten-2-one, 4-(2,2,6-trimeth...	222	C14H22O2	089128-12-1	35
5	6-Amino-2,4-dimethylphenol	137	C8H11NO	041458-65-5	35





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004203.D
Acq On : 08 Feb 2016 16:59
Operator : SJ/IZ
Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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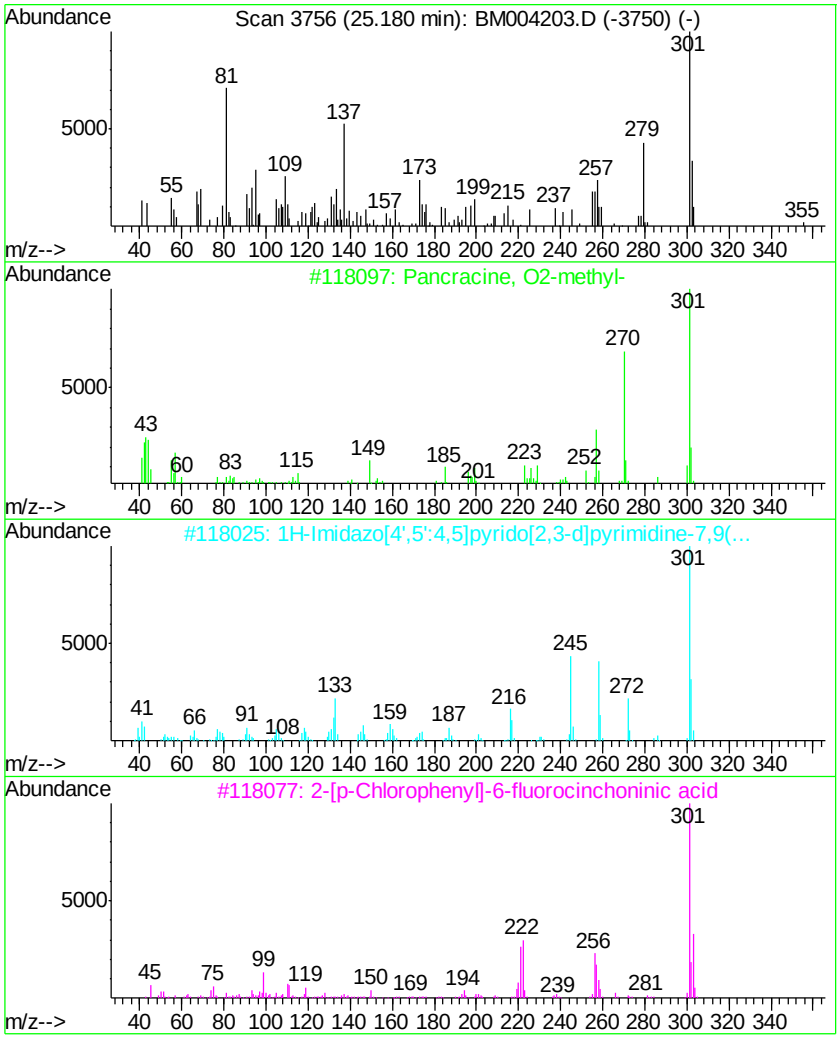
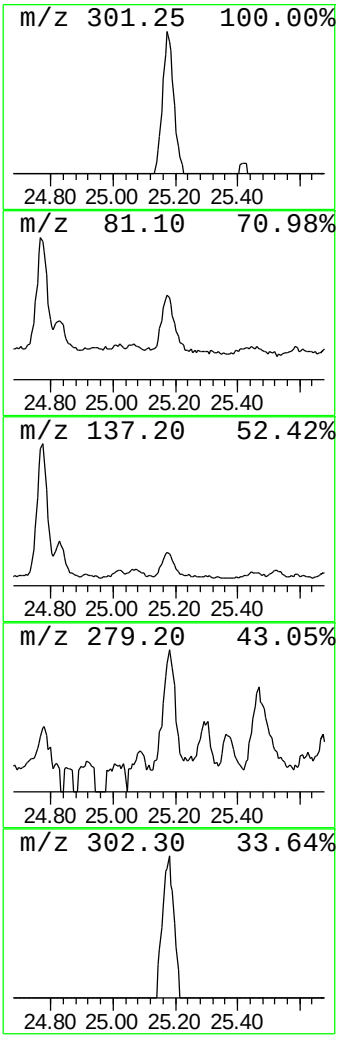
Peak Number 23 unknown-11 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.18	4.11 ng/ul	97226	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pancracine, O2-methyl-	301	C17H19NO4	000642-52-4	35
2	1H-Imidazo[4',5':4,5]pyrido[2,3-...	301	C15H19N5O2	350680-10-3	35
3	2-[p-Chlorophenyl]-6-fluorocinch...	301	C16H9ClFNO2	017900-11-7	25
4	2-Pentafluorophenylbenzothiazole	301	C13H4F5NS	069200-85-7	22
5	Morphinan-6-one, 3,4-dimethoxy-	301	C18H23NO3	085618-77-5	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004203.D
Acq On : 08 Feb 2016 16:59
Operator : SJ/IZ
Sample : H1340-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown-01	4.08	12.1	ng/ul	107547	1	7.66	177256	20.0
4-Trifluoroacetox...	4.49	9.0	ng/ul	79779	1	7.66	177256	20.0
Phenanthrene, 1-m...	17.94	3.3	ng/ul	85015	4	17.07	523165	20.0
n-Hexadecanoic acid	17.97	4.2	ng/ul	109085	4	17.07	523165	20.0
4H-Cyclopenta[def...	18.14	4.7	ng/ul	122388	4	17.07	523165	20.0
unknown-02	18.30	2.7	ng/ul	69685	4	17.07	523165	20.0
unknown-03	18.36	4.3	ng/ul	113331	4	17.07	523165	20.0
unknown-04	18.54	3.6	ng/ul	93214	4	17.07	523165	20.0
unknown-05	18.63	2.1	ng/ul	54489	4	17.07	523165	20.0
4b,8-Dimethyl-2-i...	18.69	29.2	ng/ul	763597	4	17.07	523165	20.0
unknown-06	18.89	5.2	ng/ul	136776	4	17.07	523165	20.0
10,18-Bisnorabiet...	19.19	10.4	ng/ul	582373	5	21.29	1116330	20.0
unknown-07	19.59	2.4	ng/ul	133907	5	21.29	1116330	20.0
Pyrene, 1-methyl-	19.83	3.5	ng/ul	196865	5	21.29	1116330	20.0
11H-Benzo[b]fluorene	20.10	2.1	ng/ul	119572	5	21.29	1116330	20.0
unknown-08	20.14	3.9	ng/ul	217081	5	21.29	1116330	20.0
1-Phenanthrenecar...	20.99	8.6	ng/ul	477411	5	21.29	1116330	20.0
unknown-09	24.19	5.8	ng/ul	136574	6	23.52	473166	20.0
unknown-10	24.77	5.6	ng/ul	133398	6	23.52	473166	20.0
unknown-11	25.18	4.1	ng/ul	97226	6	23.52	473166	20.0