LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012128.D
Acq On : 13 Oct 2017 08:51
Operator : SJ/JU
Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

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-BM101217.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	5.334	377	382	390	rBV	314262	489416	1.51%	0.166%
2	5.469	398	405	416	rBV	775694	1536956	4.74%	0.520%
3	5.822	459	465	476	rVB2	1202192	2260052	6.97%	0.764%
4	7.028	665	670	682	rVB2	746798	1571187	4.84%	0.531%
5	7.175	685	695	701	rBV	571222	993123	3.06%	0.336%
6	7.386	725	731	736	rBV	815378	1328793	4.10%	0.449%
7	7.445	736	741	745	rVV	374234	561468	1.73%	0.190%
8	7.486	745	748	754	rVB	346832	498142	1.54%	0.168%
9	7.851	804	810	823	rVB	1087417	1830292	5.64%	0.619%
10	7.963	823	829	835	rBV3	164708	353662	1.09%	0.120%
11	8.110	847	854	863	rVB	1543854	2678250	8.25%	0.906%
12	8.304	880	887	893	rBV2	157058	347989	1.07%	0.118%
13	8.386	898	901	912	rVV4	155857	388022	1.20%	0.131%
14	8.481	912	917	925	rVV3	224698	406313	1.25%	0.137%
15	8.569	926	932	940	rVV	953629	1655041	5.10%	0.560%
16	8.657	941	947	966	rVB6	133493	499945	1.54%	0.169%
17	8.945	984	996	1002	rBV2	209916	440586	1.36%	0.149%
18	9.022	1002	1009	1012	rBV	769294	1417349	4.37%	0.479%
19	9.163	1027	1033	1047	rVB2	178739	468674	1.44%	0.159%
20	9.280	1047	1053	1057	rBV	251180	446536	1.38%	0.151%
21	9.745	1125	1132	1140	rVB	506334	953982	2.94%	0.323%
22	10.292	1218	1225	1231	rBV	1006518	1815735	5.60%	0.614%
23	10.363	1231	1237	1246	rVB	1005807	1851624	5.71%	0.626%
24	10.657	1281	1287	1293	rBV	1363414	2297374	7.08%	0.777%
25	10.804	1303	1312	1316	rBV2	663862	1301729	4.01%	0.440%
26	13.074	1692	1698	1705	rBV	304343	488285	1.50%	0.165%
27	13.210	1715	1721	1726	rBV	327121	539700	1.66%	0.183%
28	13.380	1745	1750	1755	rBV2	270331	470686	1.45%	0.159%
29	13.910	1830	1840	1844	rBV	1701435	2514889	7.75%	0.851%
30	13.957	1844	1848	1853	rVB	1103032	1563384	4.82%	0.529%
31	14.204	1884	1890	1898	rBV	1825035	2884403	8.89%	0.976%
32	14.510	1936	1942	1948	rVV2	2986674	4298007	13.25%	1.454%
33	14.568	1948	1952	1959	rVB	512439	762974	2.35%	0.258%
34	14.739	1972	1981	1988	rBV2	276626	633894	1.95%	0.214%

LSC Area Percent Report

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Acq On : 13 Oct 2017 08:51
Operator : SJ/JU
Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

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-BM101217.M
Title : SVOA CALIBRATION

35	14.815	1989	1994	2001	rVB6	172364	382892	1.18%	0.130%
36	14.910	2006	2010	2018	rVB	216405	416005	1.28%	0.141%
37	15.321	2075	2080	2088	rVB4	387054	676019	2.08%	0.229%
38	15.498	2105	2110	2116	rBV2	2602179	3782789	11.66%	1.279%
39	15.557	2116	2120	2125	rVB	342126	475908	1.47%	0.161%
40	15.674	2136	2140	2144	rBV	309806	439569	1.35%	0.149%
41	16.192	2224	2228	2230	rBV	270726	403206	1.24%	0.136%
42	16.845	2336	2339	2345	rVB	339076	462280	1.42%	0.156%
43	17.256	2404	2409	2412	rBV2	1867834	2684793	8.27%	0.908%
44	17.303	2412	2417	2421	rVV	4729201	6715274	20.70%	2.271%
45	17.356	2421	2426	2429	rVV2	2094913	3004083	9.26%	1.016%
46	17.392	2429	2432	2437	rVB	1529633	1979695	6.10%	0.670%
47	18.133	2553	2558	2562	rBV	2039793	2842576	8.76%	0.961%
48	18.180	2562	2566	2573	rVB	1068030	1594241	4.91%	0.539%
49	18.262	2577	2580	2584	rBV	387328	440778	1.36%	0.149%
50	18.333	2584	2592	2595	rBV4	1446609	3192843	9.84%	1.080%
51	18.403	2601	2604	2607	rBV	402550	537882	1.66%	0.182%
52	18.456	2607	2613	2617	rVB	596942	1228151	3.79%	0.415%
53	18.627	2639	2642	2647	rVB	639303	812194	2.50%	0.275%
54	18.862	2679	2682	2688	rVB2	452129	872039	2.69%	0.295%
55	19.050	2711	2714	2718	rBV	449957	578844	1.78%	0.196%
56	19.327	2755	2761	2765	rBV	20957474	27959154	86.17%	9.457%
57	19.409	2772	2775	2784	rBV3	1269123	2104189	6.49%	0.712%
58	19.656	2812	2817	2819	rBV3	6244739	9858811	30.39%	3.335%
59	19.692	2819	2823	2829	rVV	18708809	25309182	78.00%	8.561%
60	19.750	2830	2833	2839	rVB2	1206529	1825039	5.62%	0.617%
61	19.862	2849	2852	2858	rBV	1140579	1495359	4.61%	0.506%
62	20.180	2902	2906	2911	rVB	4903120	6564551	20.23%	2.220%
63	20.280	2918	2923	2926	rBV	4326257	6049621	18.65%	2.046%
64	21.091	3058	3061	3063	rBV	2273355	2643703	8.15%	0.894%
65	21.121	3063	3066	3070	rVB2	3513824	4642977	14.31%	1.570%
66	21.174	3071	3075	3079	rBV3	2974662	4655355	14.35%	1.575%
67	21.439	3114	3120	3124	rBV3	18774979	32446183	100.00%	10.975%
68	21.486	3125	3128	3132	rVB	16726285	20765491	64.00%	7.024%
69	21.603	3145	3148	3152	rVB	3193314	4063751	12.52%	1.375%
70	23.097	3396	3402	3406	rBV	13875794	31010588	95.58%	10.489%
71	23.603	3483	3488	3493	rVB	7411226	13084803	40.33%	4.426%

LSC Area Percent Report

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Acq On : 13 Oct 2017 08:51
Operator : SJ/JU
Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

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-BM101217.M
Title : SVOA CALIBRATION

72	23.709	3501	3506	3514	rVB	13093394	25096626	77.35%	8.489%

Sum of corrected areas: 295645906

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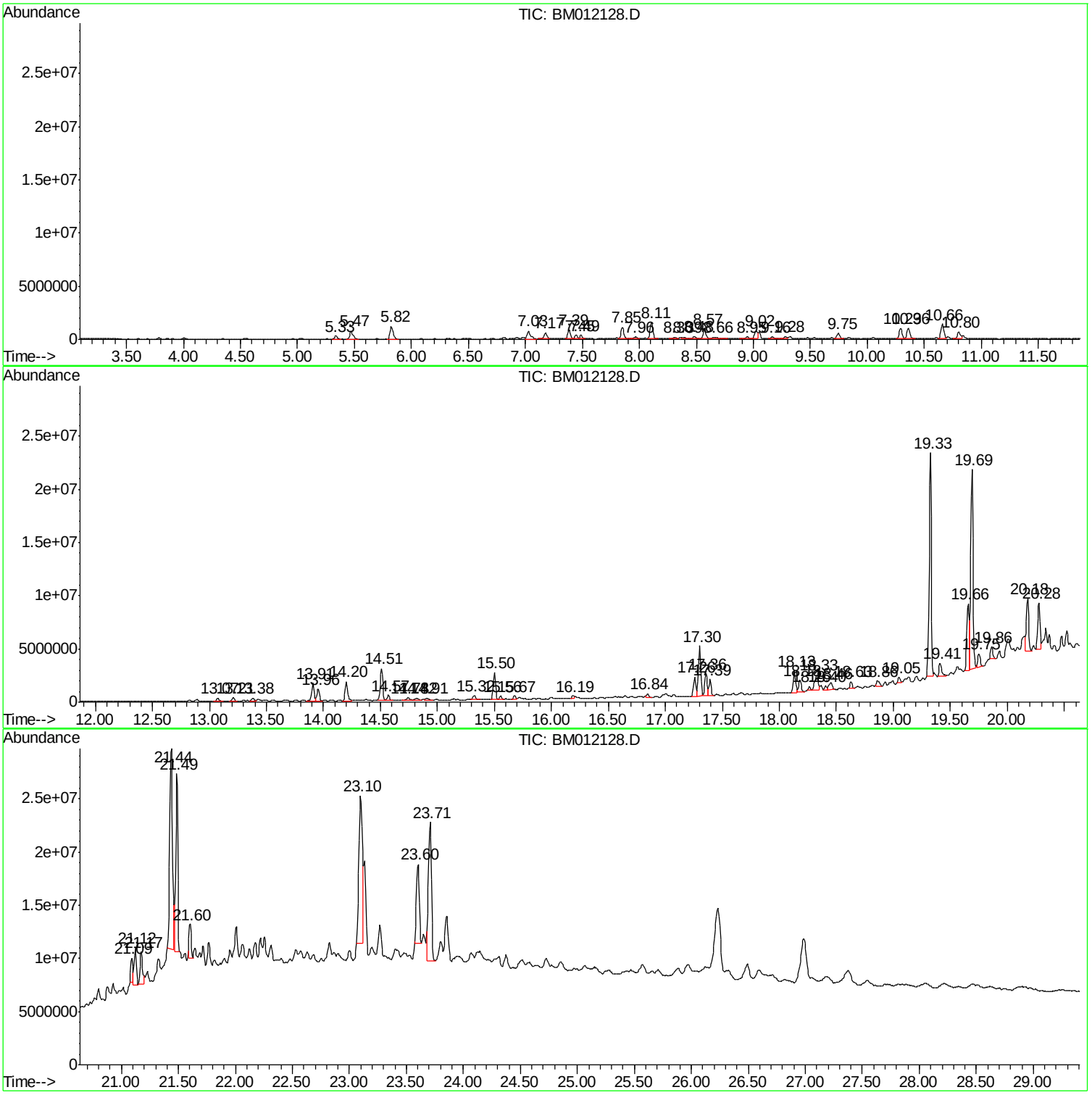
Instrument :
BNA_M
ClientSampleId :
B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012128.D
Acq On : 13 Oct 2017 08:51
Operator : SJ/JU
Sample : I5568-06
Misc :
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Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

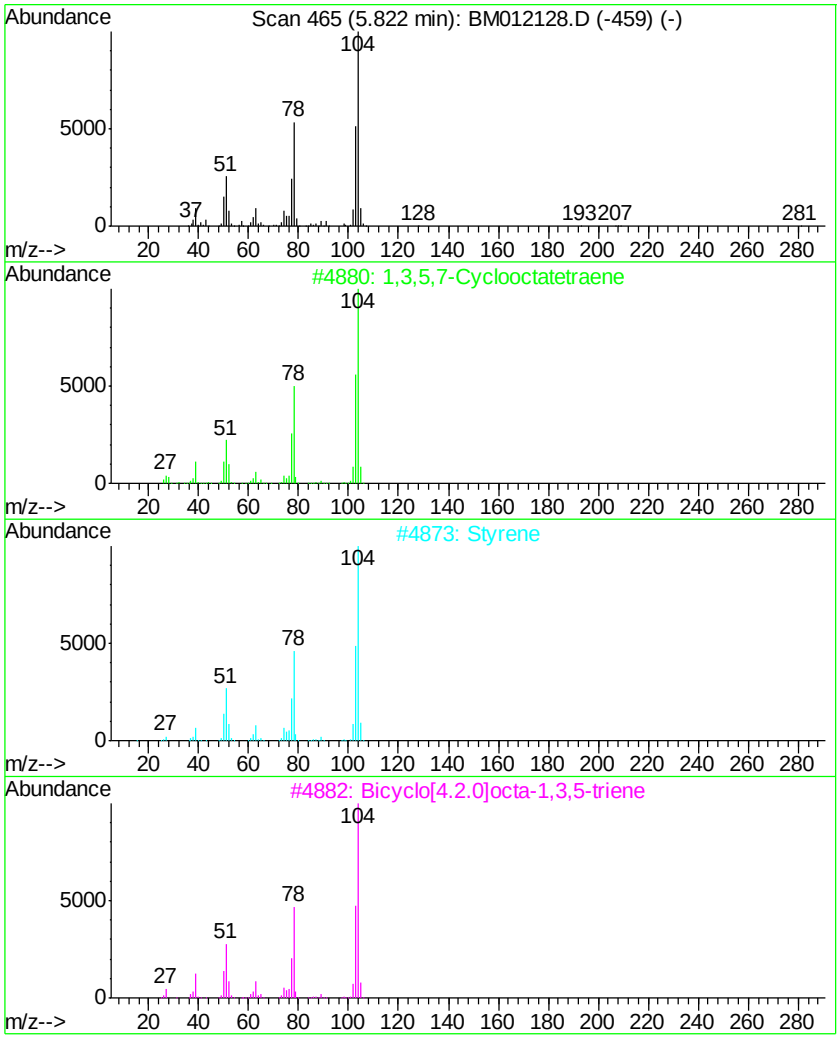
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

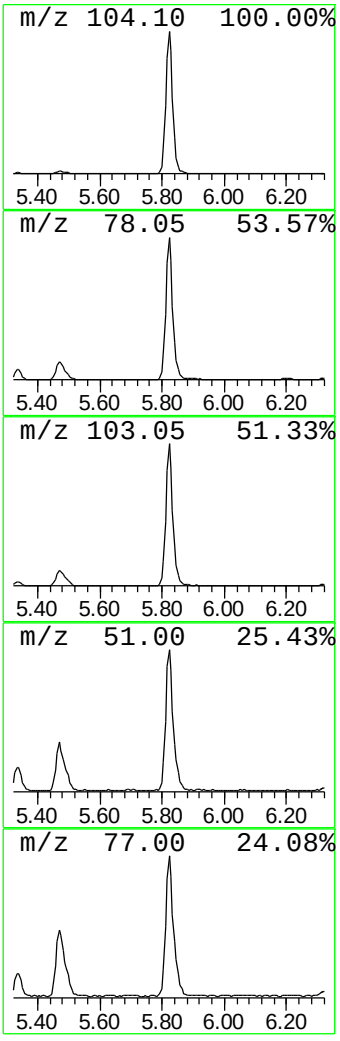
****

Peak Number 3 1,3,5,7-Cyclooctatetraene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.82	24.70 ng/ul	2260050	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	97
2	Styrene	104	C8H8	000100-42-5	96
3	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	96
4	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	95
5	Styrene	104	C8H8	000100-42-5	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012128.D
Acq On : 13 Oct 2017 08:51
Operator : SJ/JU
Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

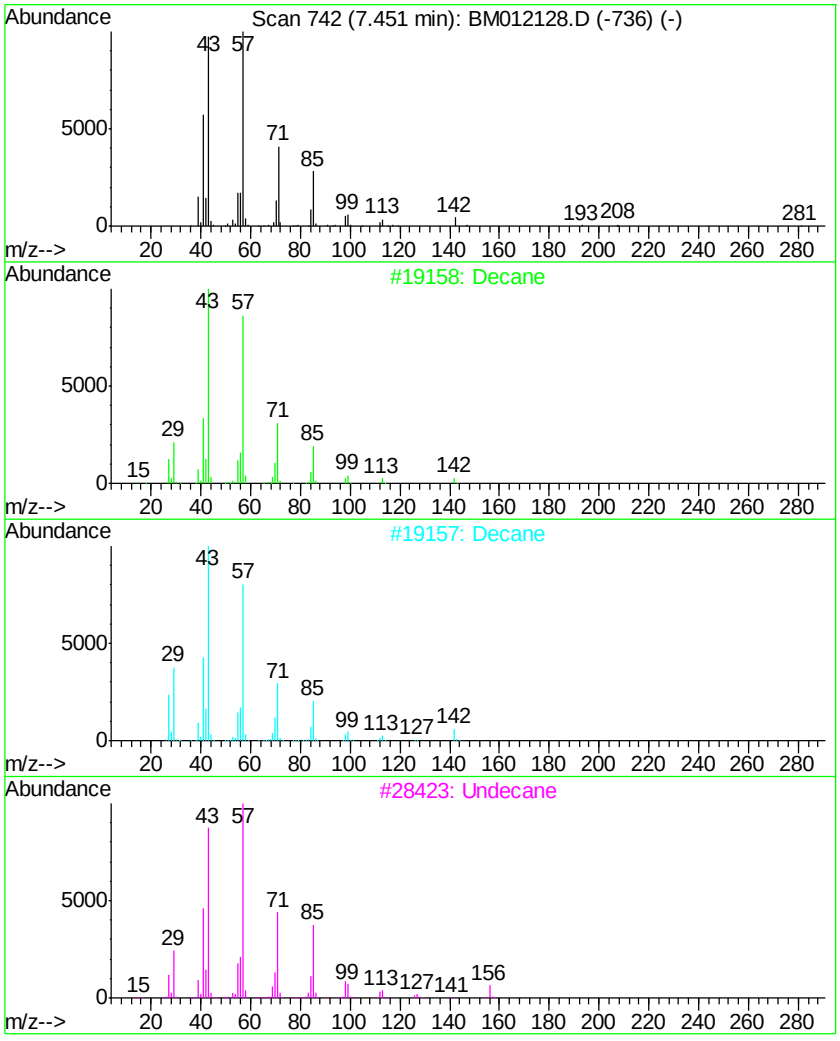
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

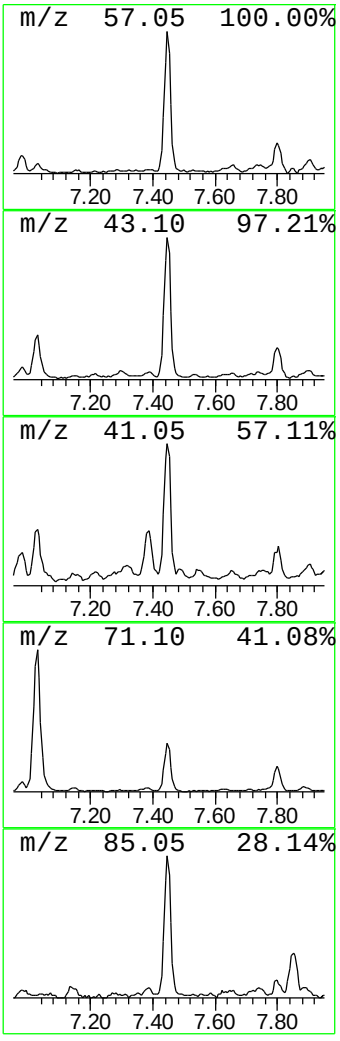
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	6.14 ng/ul	561468	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	93
2	Decane	142	C10H22	000124-18-5	90
3	Undecane	156	C11H24	001120-21-4	83
4	Tridecane	184	C13H28	000629-50-5	78
5	Undecane	156	C11H24	001120-21-4	78





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012128.D
Acq On : 13 Oct 2017 08:51
Operator : SJ/JU
Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

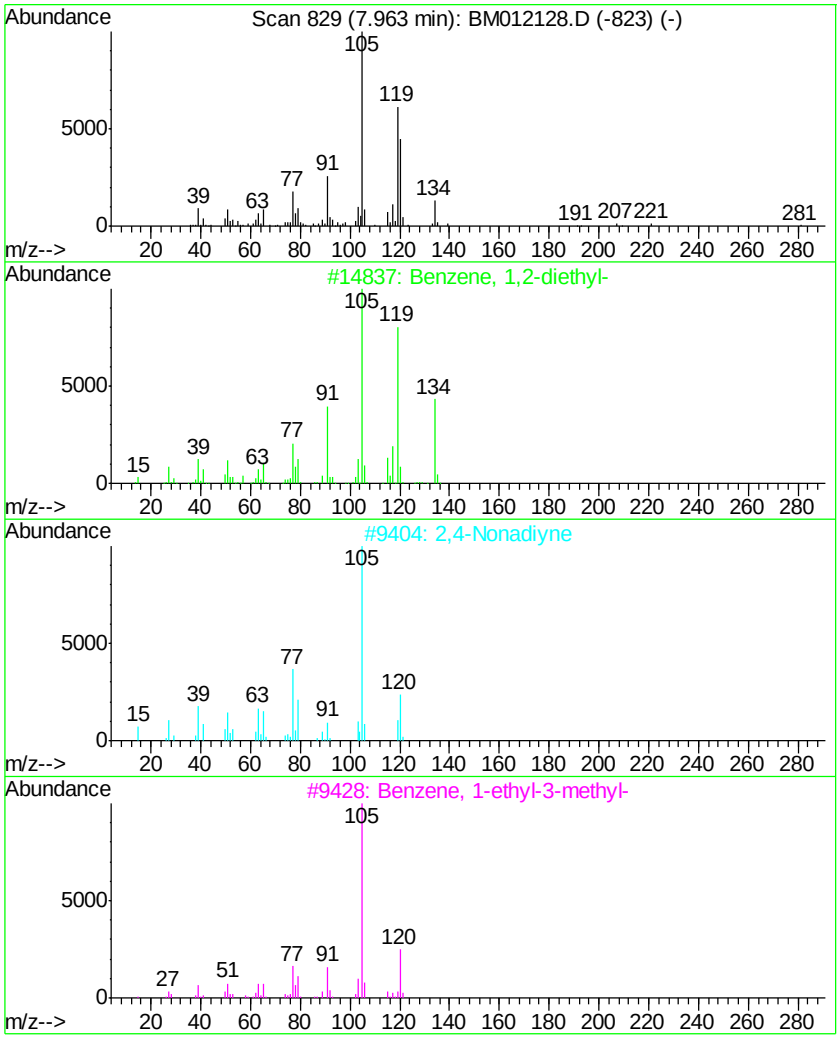
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

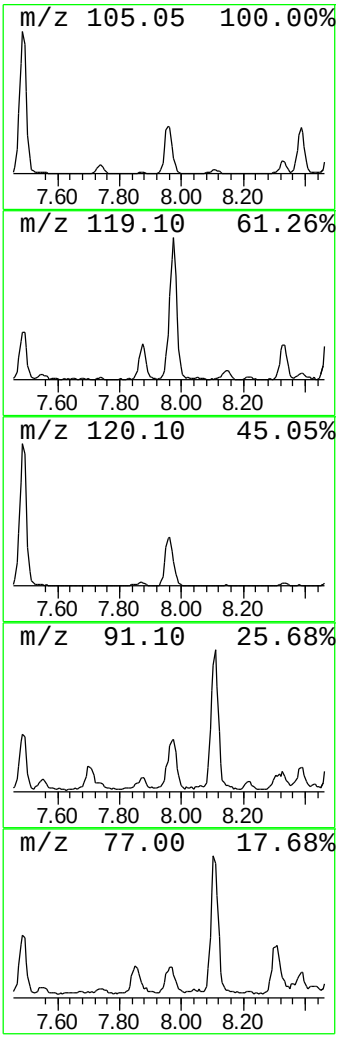
****

Peak Number 6 Benzene, 1,2-diethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	3.86 ng/ul	353662	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	90
2	2,4-Nonadiyne	120	C9H12	063621-15-8	60
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	60
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	58
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	58





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ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

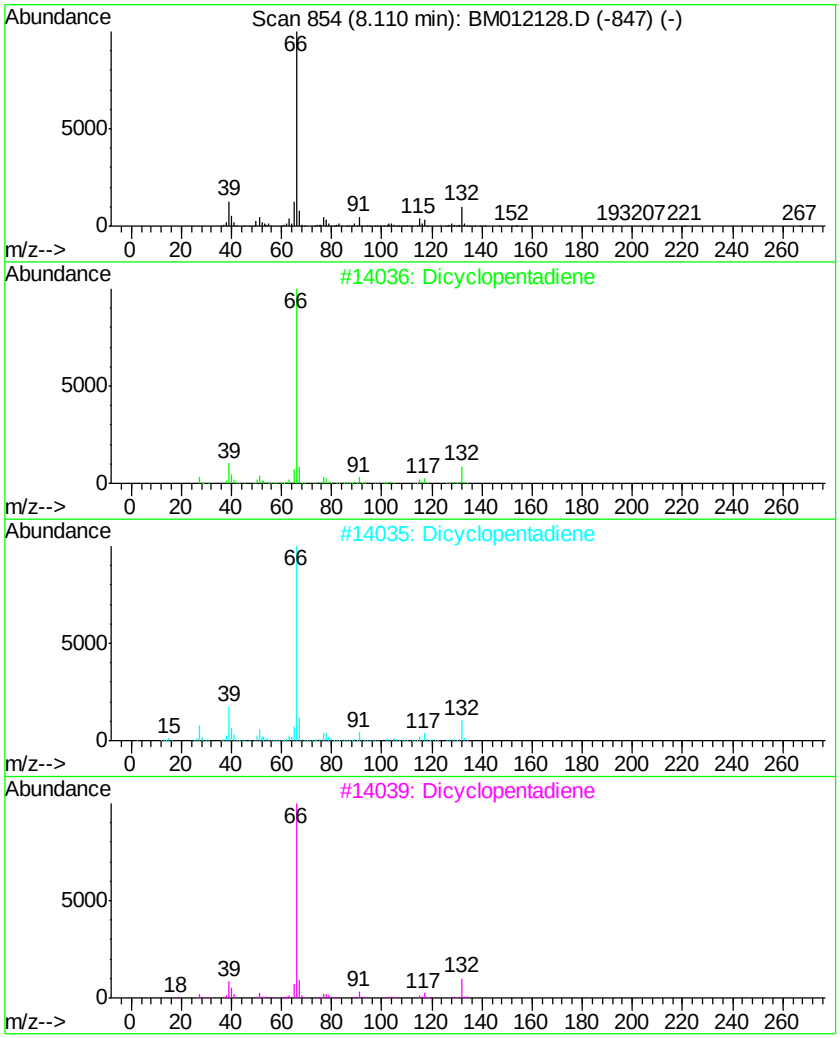
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

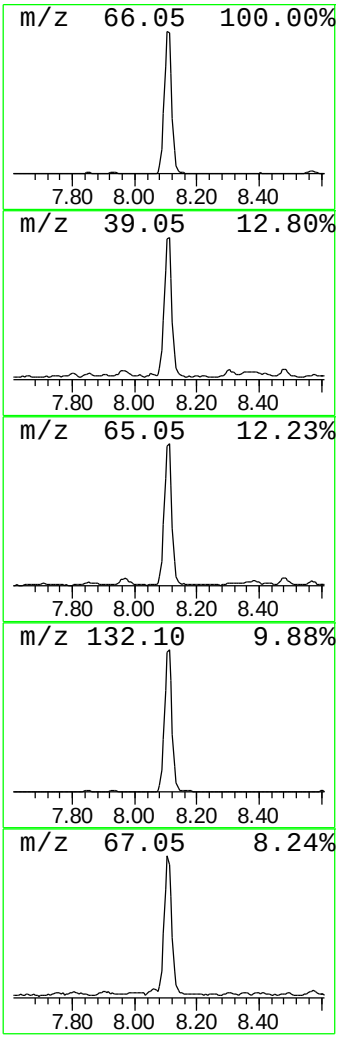
****

Peak Number 7 Dicyclopentadiene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.11	29.27 ng/ul	2678250	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dicyclopentadiene	132	C10H12	000077-73-6	91
2	Dicyclopentadiene	132	C10H12	000077-73-6	91
3	Dicyclopentadiene	132	C10H12	000077-73-6	90
4	1,3,4-Metheno-1H-cyclobuta[cd]pe...	132	C10H12	006707-88-6	83
5	Bicyclo[2.2.1]hept-5-ene-2-carbo...	119	C8H9N	002890-96-2	78





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Data File : BM012128.D
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Operator : SJ/JU
Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

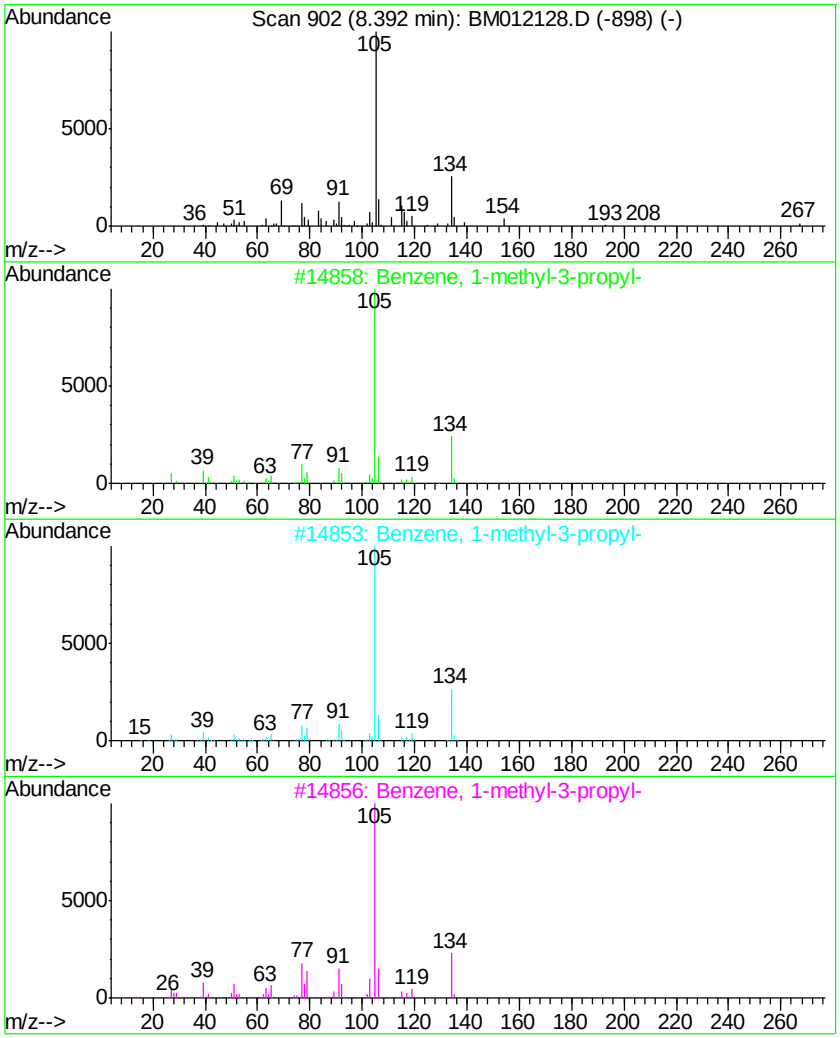
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

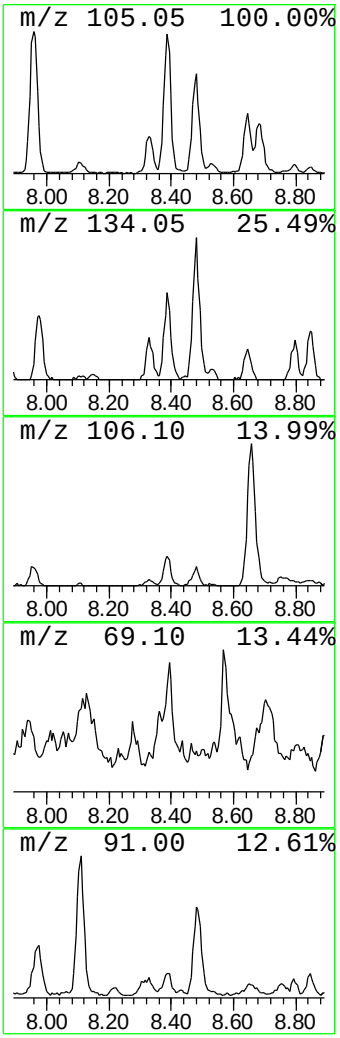
****

Peak Number 8 Benzene, 1-methyl-3-propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	4.24 ng/ul	388022	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	87
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	87
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	83
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	83
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	81





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Data File : BM012128.D
Acq On : 13 Oct 2017 08:51
Operator : SJ/JU
Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

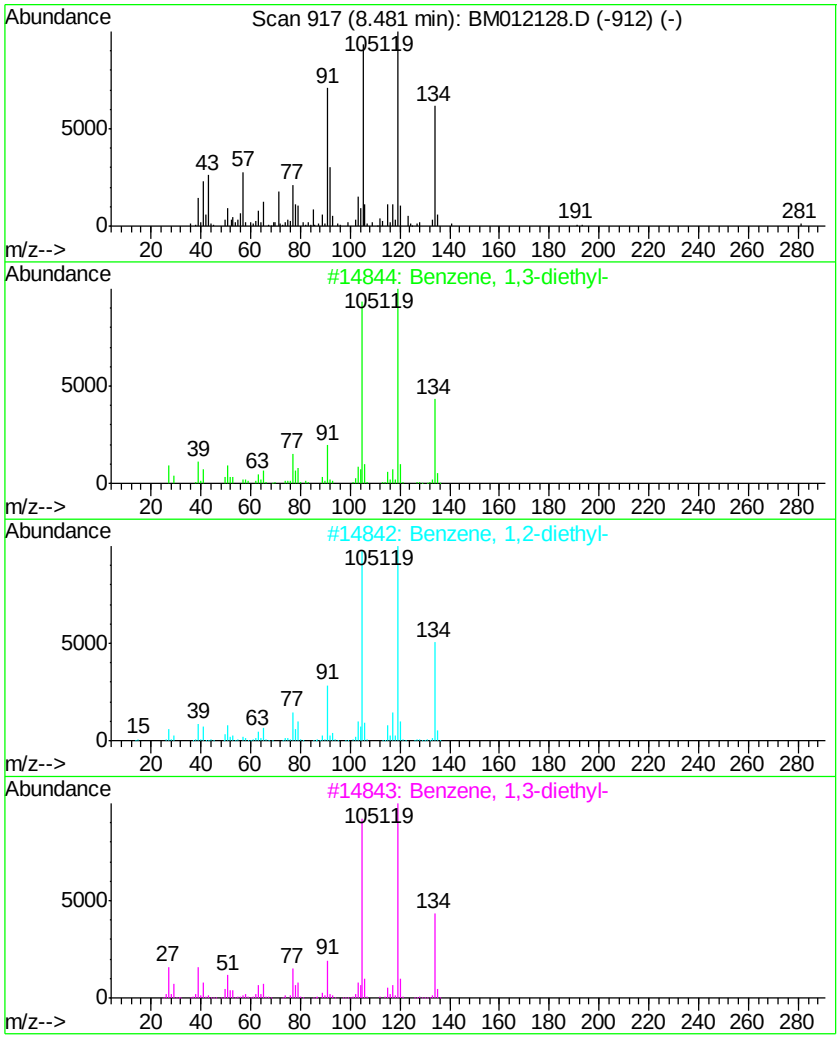
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

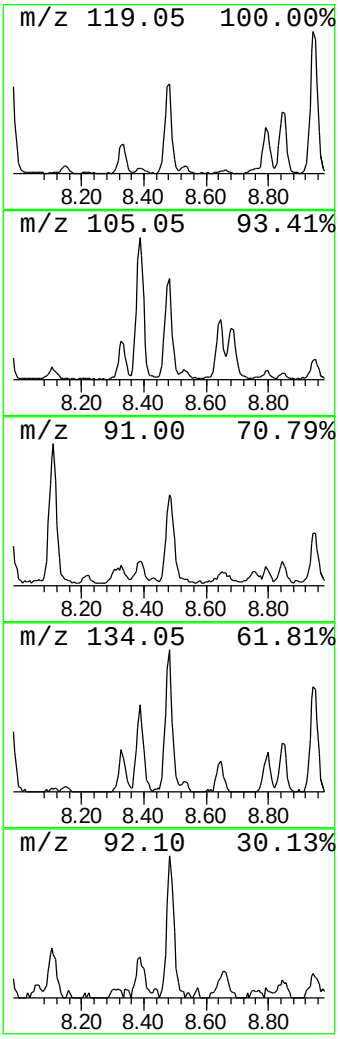
****

Peak Number 9 Benzene, 1,3-diethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	4.44 ng/ul	406313	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	89





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
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Operator : SJ/JU
Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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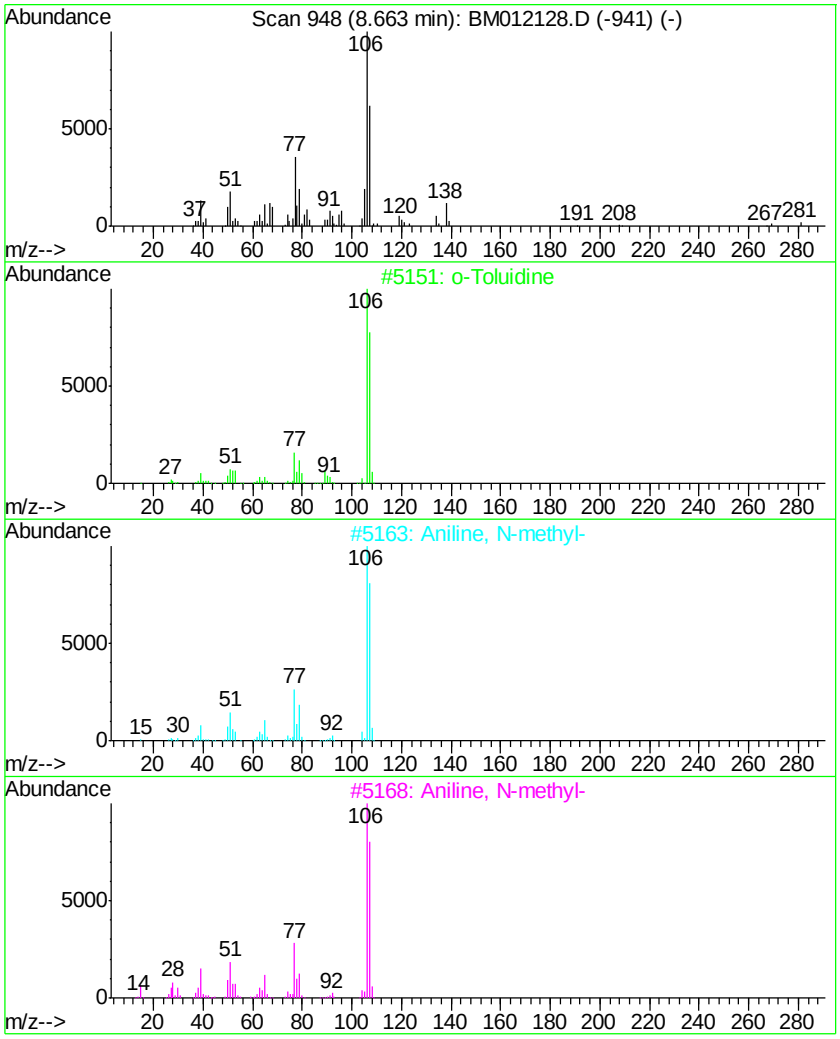
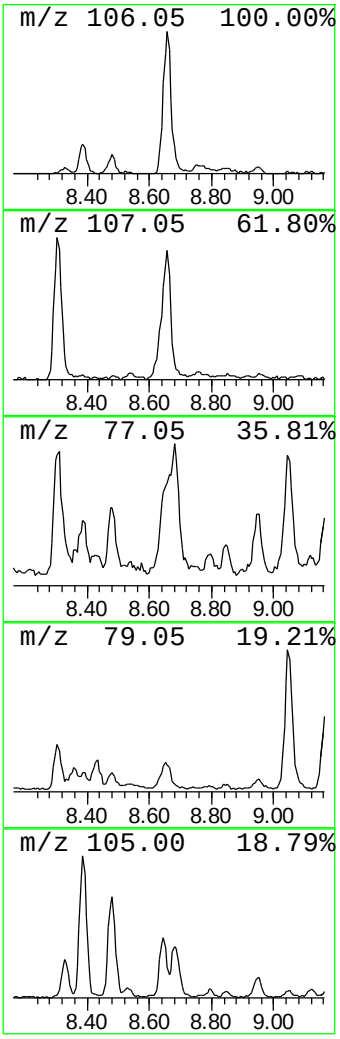
Peak Number 10 o-Toluidine Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.66	5.46 ng/ul	499945	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Toluidine	107	C7H9N	000095-53-4	81
2	Aniline, N-methyl-	107	C7H9N	000100-61-8	81
3	Aniline, N-methyl-	107	C7H9N	000100-61-8	76
4	Aniline, N-methyl-	107	C7H9N	000100-61-8	74
5	o-Toluidine	107	C7H9N	000095-53-4	74





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Acq On : 13 Oct 2017 08:51
Operator : SJ/JU
Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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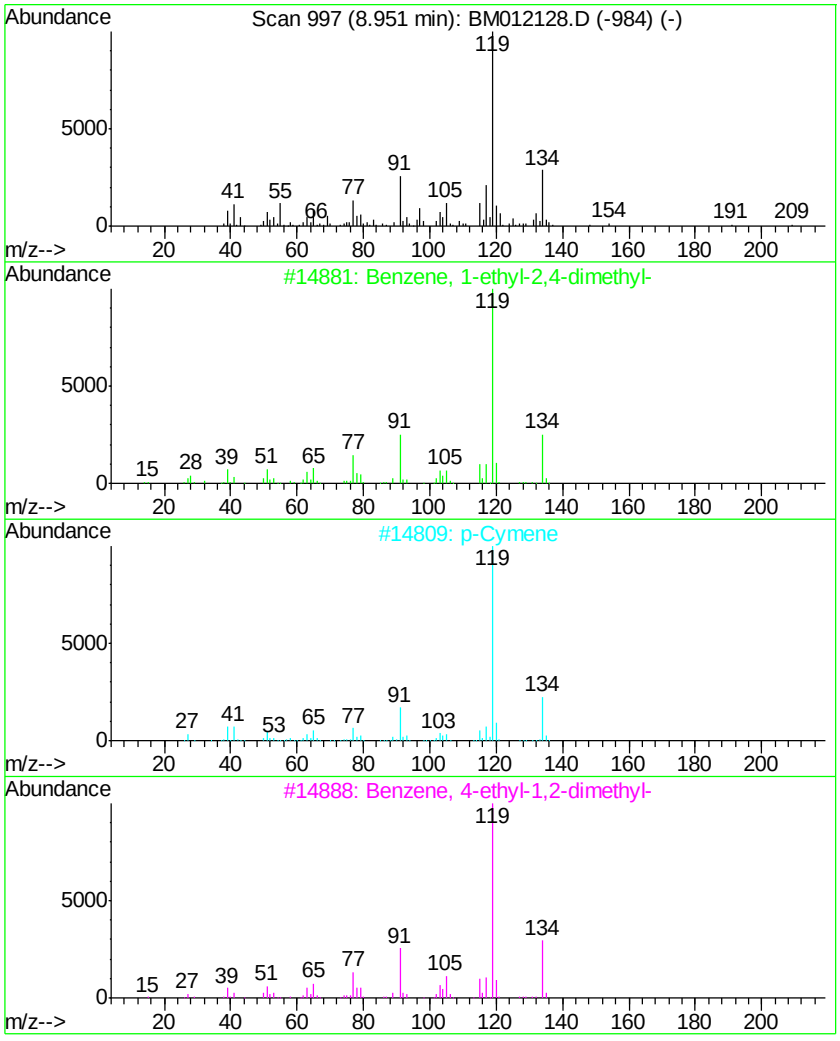
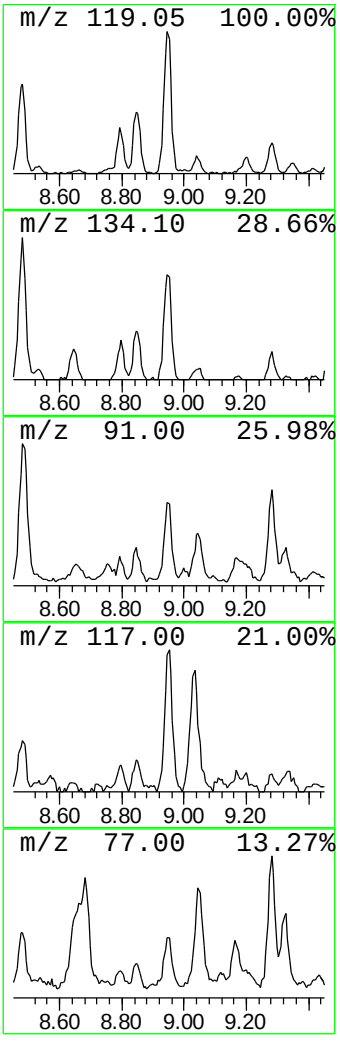
Peak Number 11 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.95	4.81 ng/ul	440586	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
2	p-Cymene	134	C10H14	000099-87-6	93
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
4	o-Cymene	134	C10H14	000527-84-4	87
5	p-Cymene	134	C10H14	000099-87-6	87





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Acq On : 13 Oct 2017 08:51
Operator : SJ/JU
Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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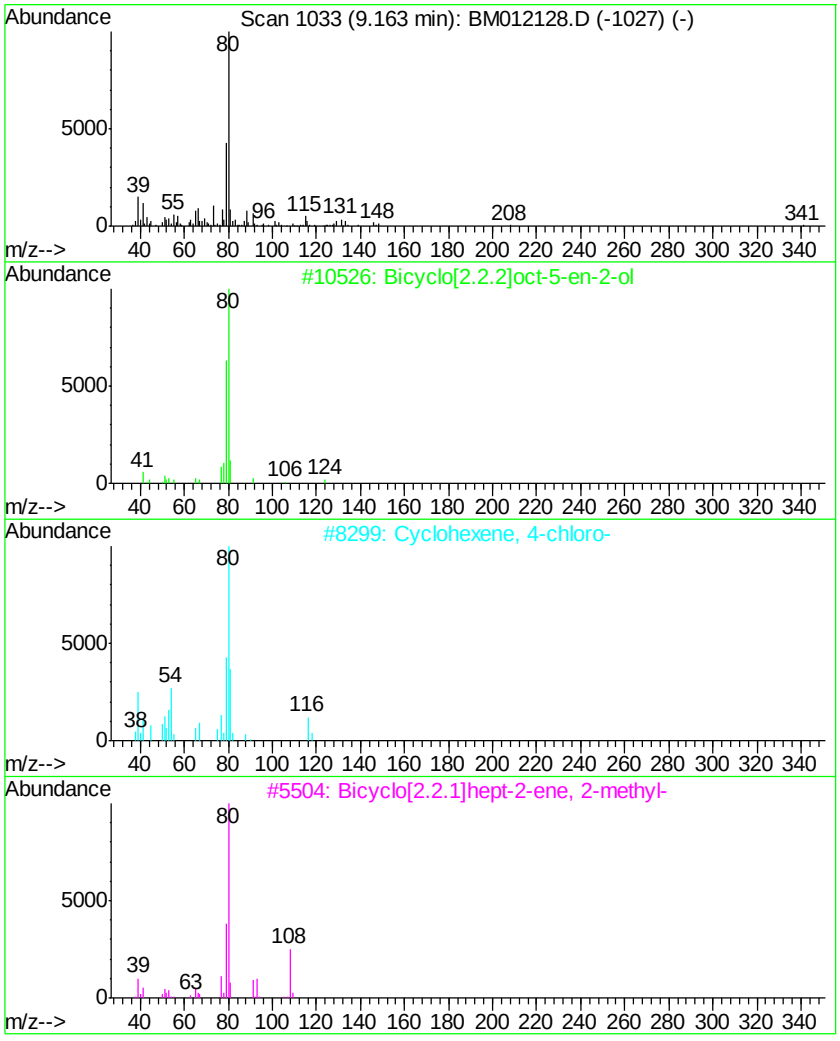
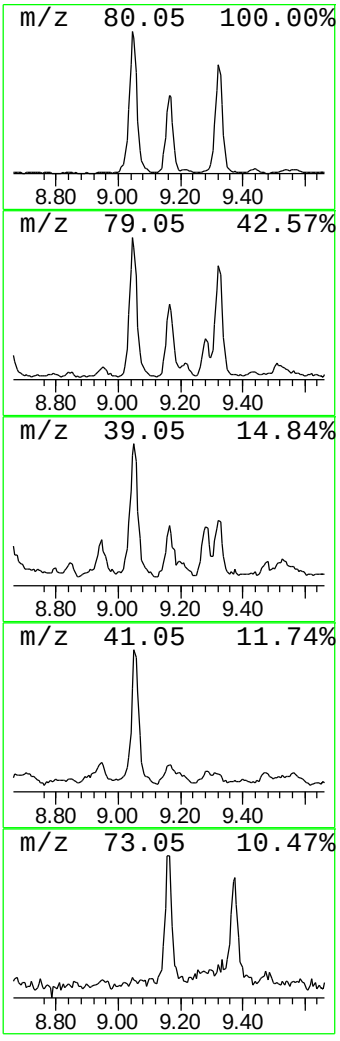
Peak Number 12 Bicyclo[2.2.2]oct-5-en-2-ol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	5.12 ng/ul	468674	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.2]oct-5-en-2-ol	124	C8H12O	055320-40-6	78
2	Cyclohexene, 4-chloro-	116	C6H9Cl	000930-65-4	78
3	Bicyclo[2.2.1]hept-2-ene, 2-methyl-	108	C8H12	000694-92-8	72
4	Bicyclo[2.2.2]oct-5-ene-2,2,3,3-...	208	C12H8N4	001017-93-2	72
5	Bicyclo[2.2.2]oct-5-ene-2-carbon...	133	C9H11N	1000164-89-7	64





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Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

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Quant Title : SVOA CALIBRATION

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

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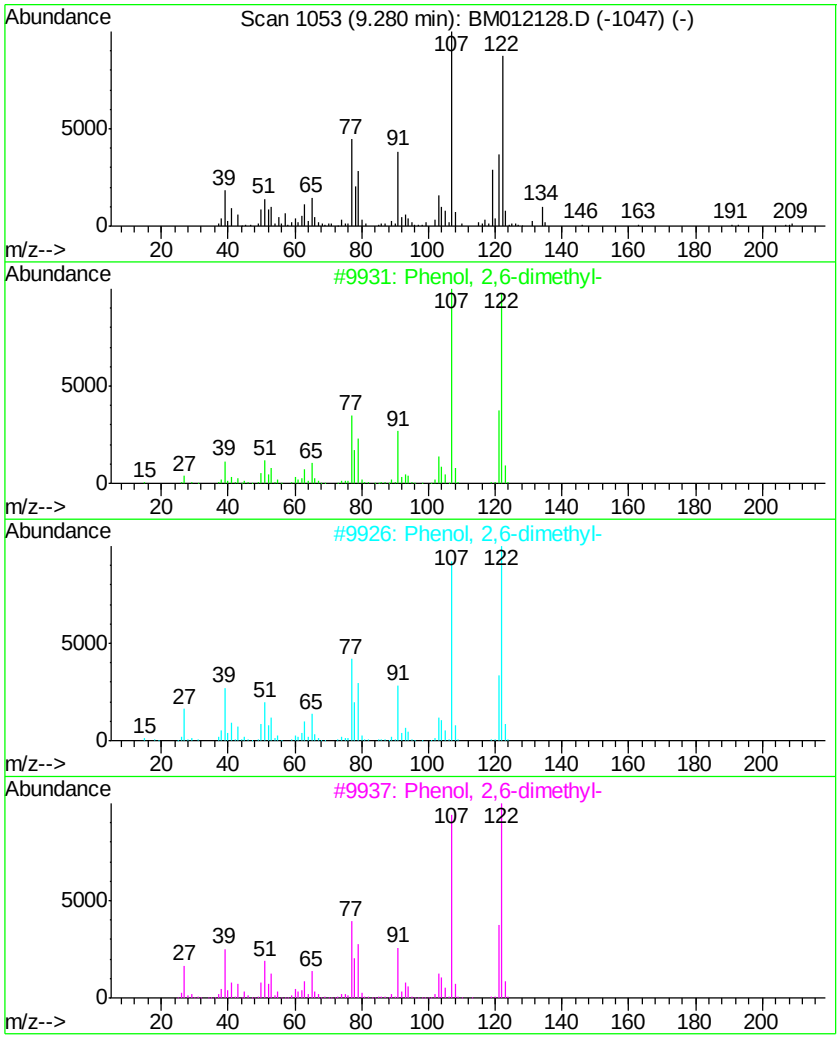
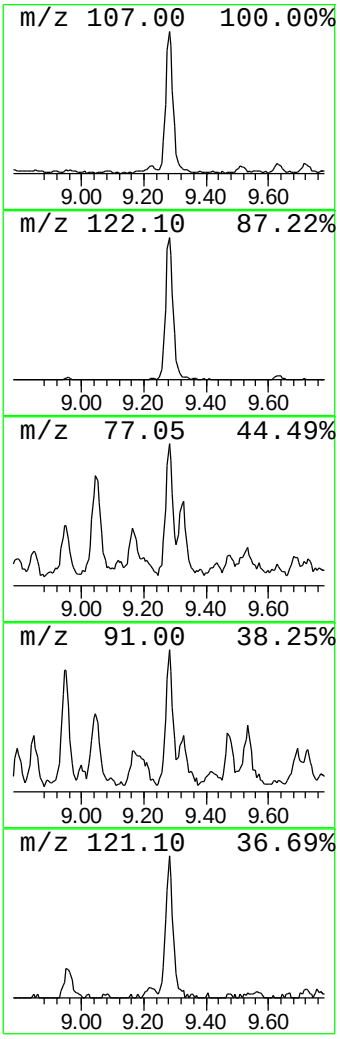
Peak Number 13 Phenol, 2,6-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	3.89 ng/ul	446536	Naphthalene-d8	10.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	97
2	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	94
3	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	93
4	Phenol, 2,3-dimethyl-	122	C8H10O	000526-75-0	93
5	Phenol, 2,3-dimethyl-	122	C8H10O	000526-75-0	87





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Operator : SJ/JU
Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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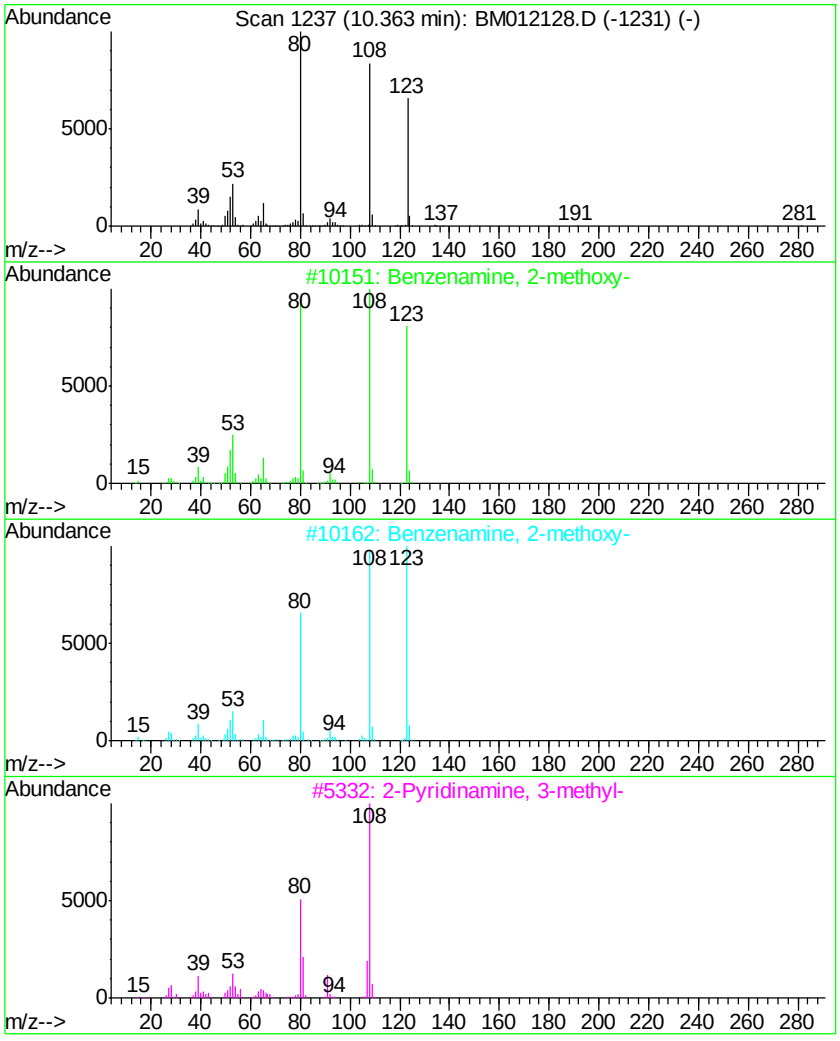
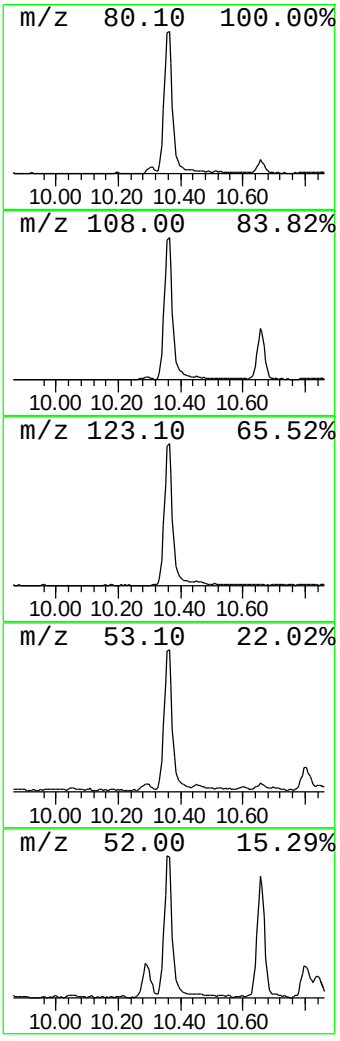
Peak Number 14 Benzenamine, 2-methoxy- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	16.12 ng/ul	1851620	Naphthalene-d8	10.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 2-methoxy-	123	C7H9NO	000090-04-0	96
2	Benzenamine, 2-methoxy-	123	C7H9NO	000090-04-0	91
3	2-Pyridinamine, 3-methyl-	108	C6H8N2	001603-40-3	78
4	1,3-Benzenediamine	108	C6H8N2	000108-45-2	78
5	Pyrazinamide	123	C5H5N3O	000098-96-4	72





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Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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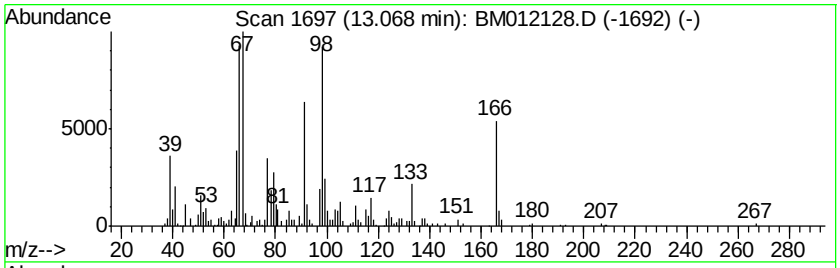
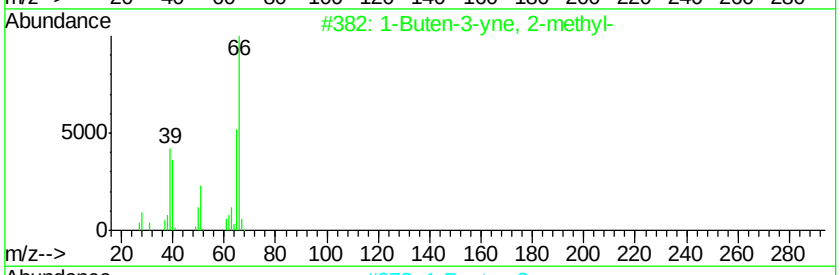
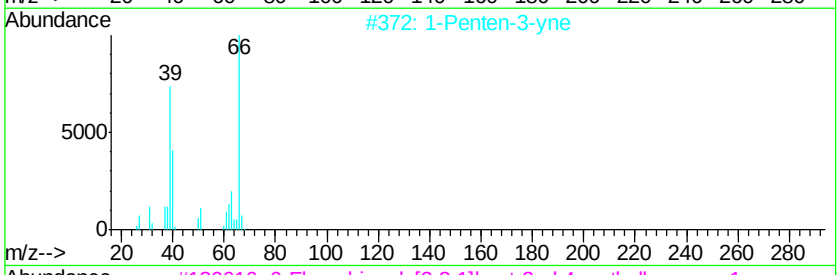
Peak Number 15 unknown-01 Concentration Rank 33

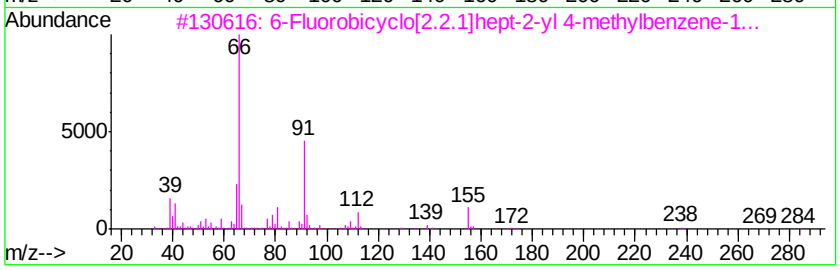
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.27 ng/ul	488285	Acenaphthene-d10	14.51

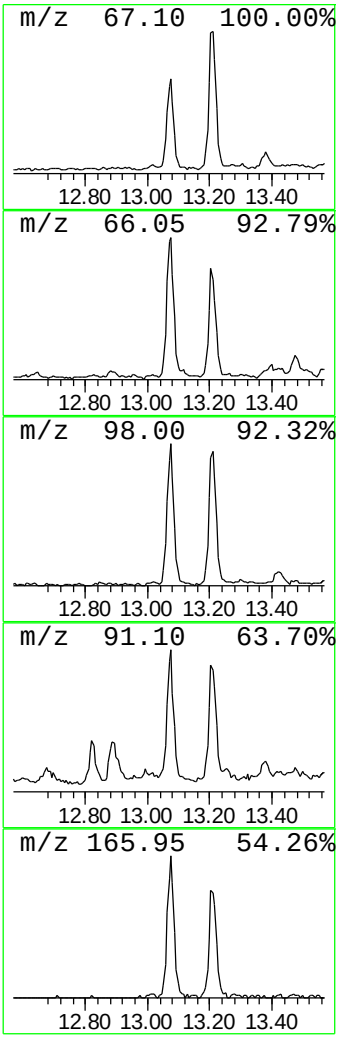
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Buten-3-yne, 2-methyl-	66	C5H6	000078-80-8	43
2	1-Penten-3-yne	66	C5H6	000646-05-9	43
3	6-Fluorobicyclo[2.2.1]hept-2-yl ...	284	C14H17FO3S	1000262-28-6	43
4	(.+/-.)-2-Azabicyclo[2.2.1]hept-...	109	C6H7NO	049805-30-3	43
5	1,3-Cyclopentadiene	66	C5H6	000542-92-7	38











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Acq On : 13 Oct 2017 08:51
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Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

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Quant Title : SVOA CALIBRATION

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

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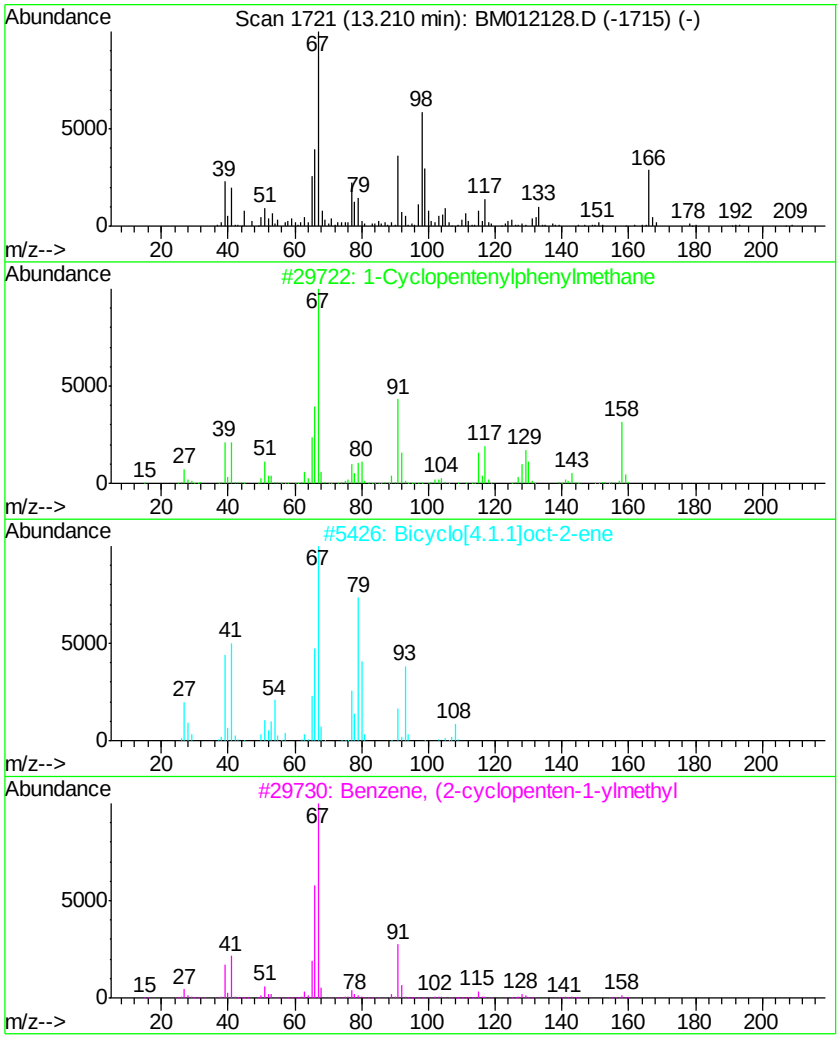
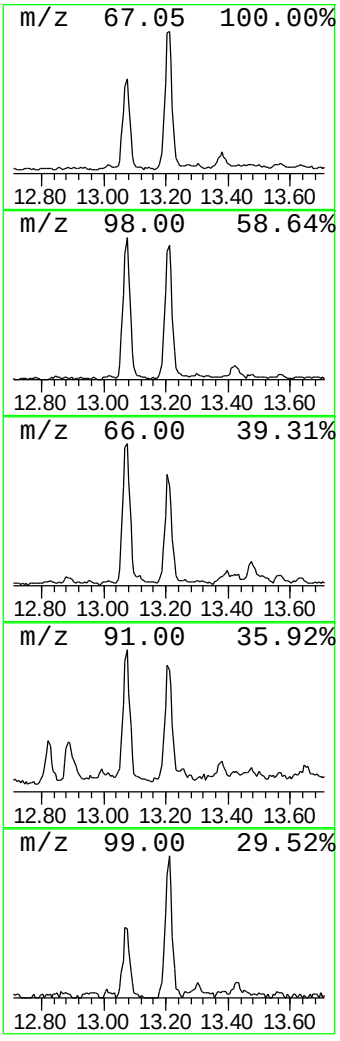
Peak Number 16 unknown-02 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	2.51 ng/ul	539700	Acenaphthene-d10	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Cyclopentenylphenylmethane	158	C12H14	015507-35-4	42
2	Bicyclo[4.1.1]oct-2-ene	108	C8H12	016544-26-6	40
3	Benzene, (2-cyclopenten-1-ylmethyl	158	C12H14	055969-86-3	40
4	4-Pentenoic acid, 2-methylene-, ...	126	C7H10O2	051122-89-5	33
5	Cyclopropanecarboxylic acid, 2-e...	126	C7H10O2	014027-56-6	33





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Operator : SJ/JU
Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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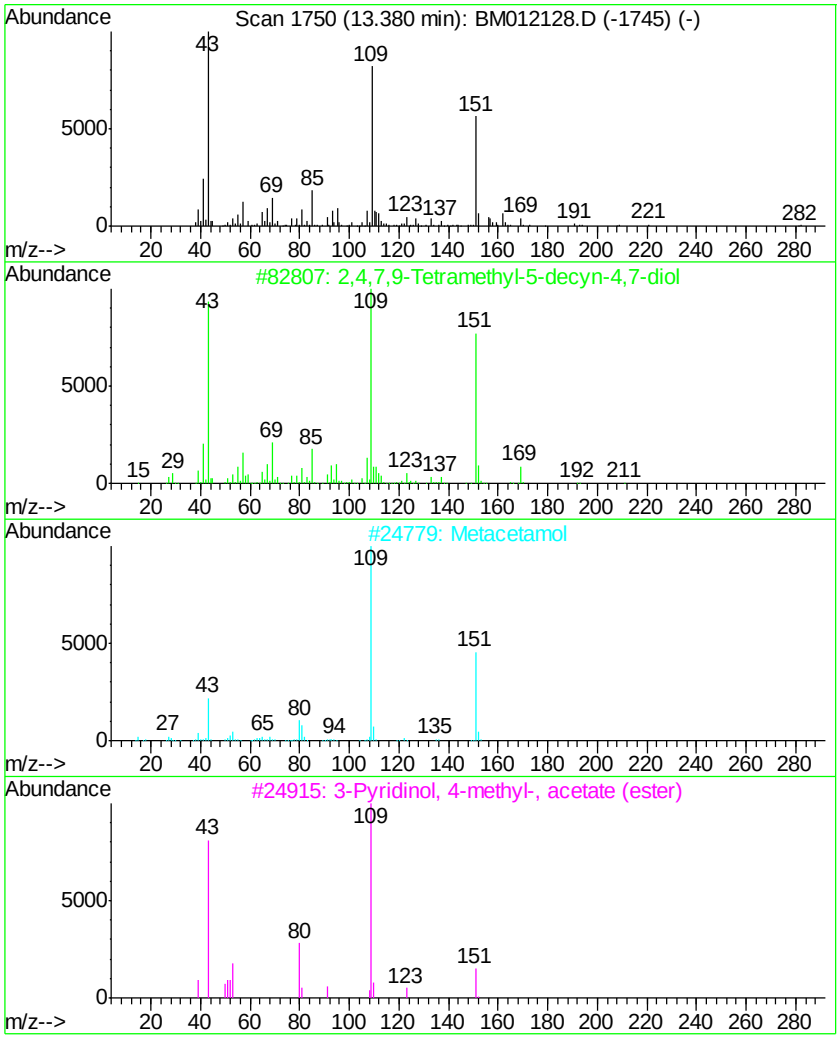
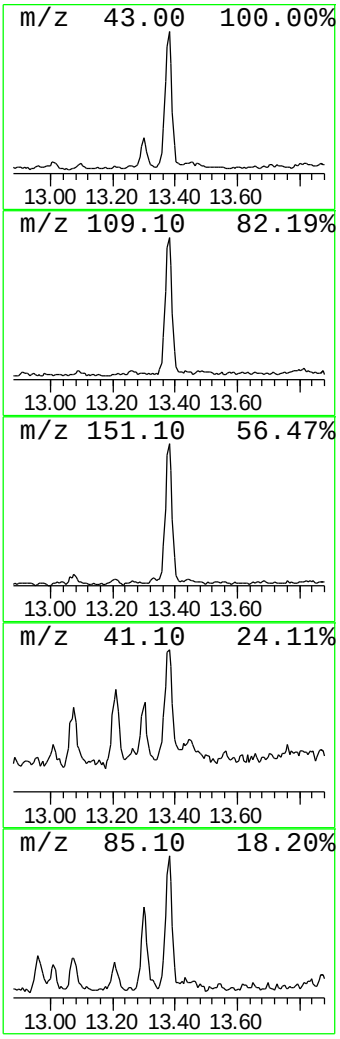
Peak Number 17 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.19 ng/ul	470686	Acenaphthene-d10	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	86
2	Metacetamol	151	C8H9NO2	000621-42-1	58
3	3-Pyridinol, 4-methyl-, acetate ...	151	C8H9NO2	001006-96-8	53
4	Acetaminophen	151	C8H9NO2	000103-90-2	53
5	4H-Chromene, 4a,5,6,7,8,8a-hexah...	208	C14H24O	1000196-77-4	43





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Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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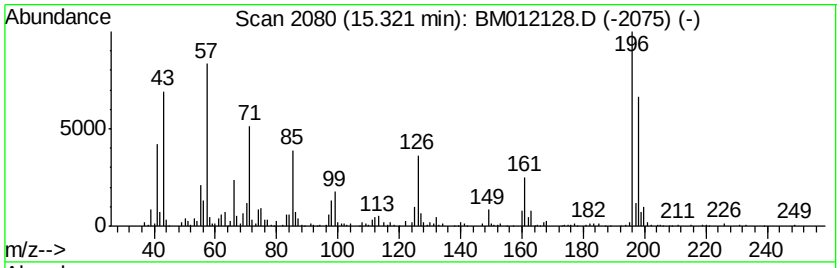
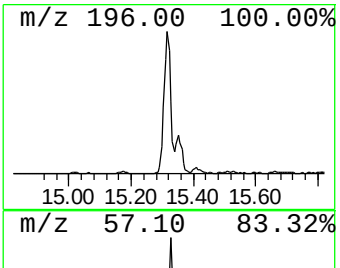
Peak Number 18 Naphthalene, 2,3-dichloro- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	3.15 ng/ul	676019	Acenaphthene-d10	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dichloro-	196	C10H6Cl2	002050-75-1	90
2	Naphthalene, 1,4-dichloro-	196	C10H6Cl2	001825-31-6	87
3	Naphthalene, 1,5-dichloro-	196	C10H6Cl2	001825-30-5	86
4	Naphthalene, 2,7-dichloro-	196	C10H6Cl2	002198-77-8	86
5	1-(1,2-Dichloroethenyl)-4-ethyny...	196	C10H6Cl2	1000283-76-7	70





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Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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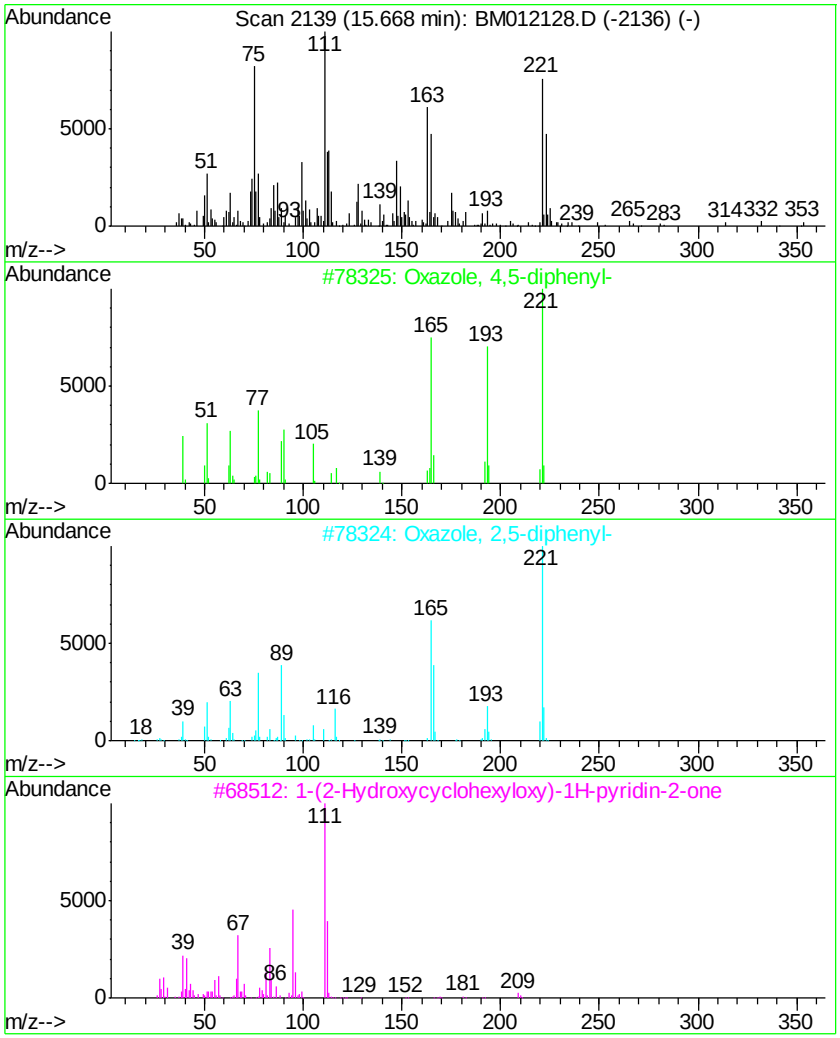
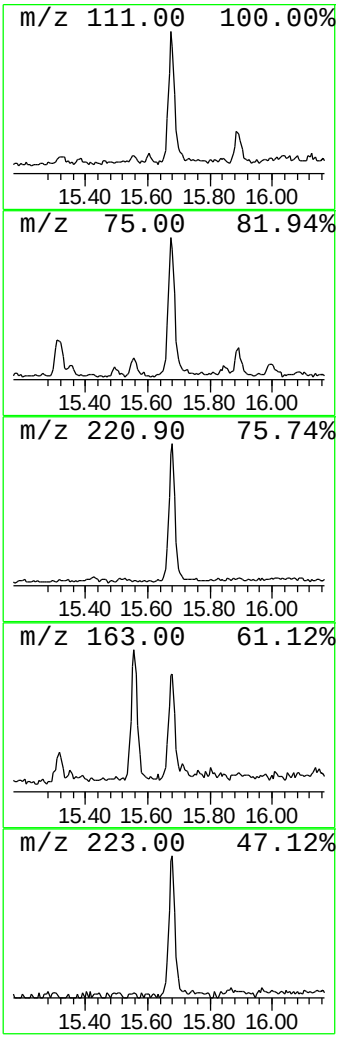
Peak Number 19 unknown-03 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	2.05 ng/ul	439569	Acenaphthene-d10	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxazole, 4,5-diphenyl-	221	C15H11NO	004675-18-7	18
2	Oxazole, 2,5-diphenyl-	221	C15H11NO	000092-71-7	14
3	1-(2-Hydroxycyclohexyloxy)-1H-py...	209	C11H15NO3	1000195-29-2	14
4	2-Oxo-6-phenyl-1,2-dihydro-3,4-p...	221	C13H7N3O	1000327-01-8	11
5	5-Bromovaleric acid, 3-chloropro...	254	C8H12BrClO2	1000292-57-1	11





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Sample : I5568-06
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ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

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Quant Title : SVOA CALIBRATION

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

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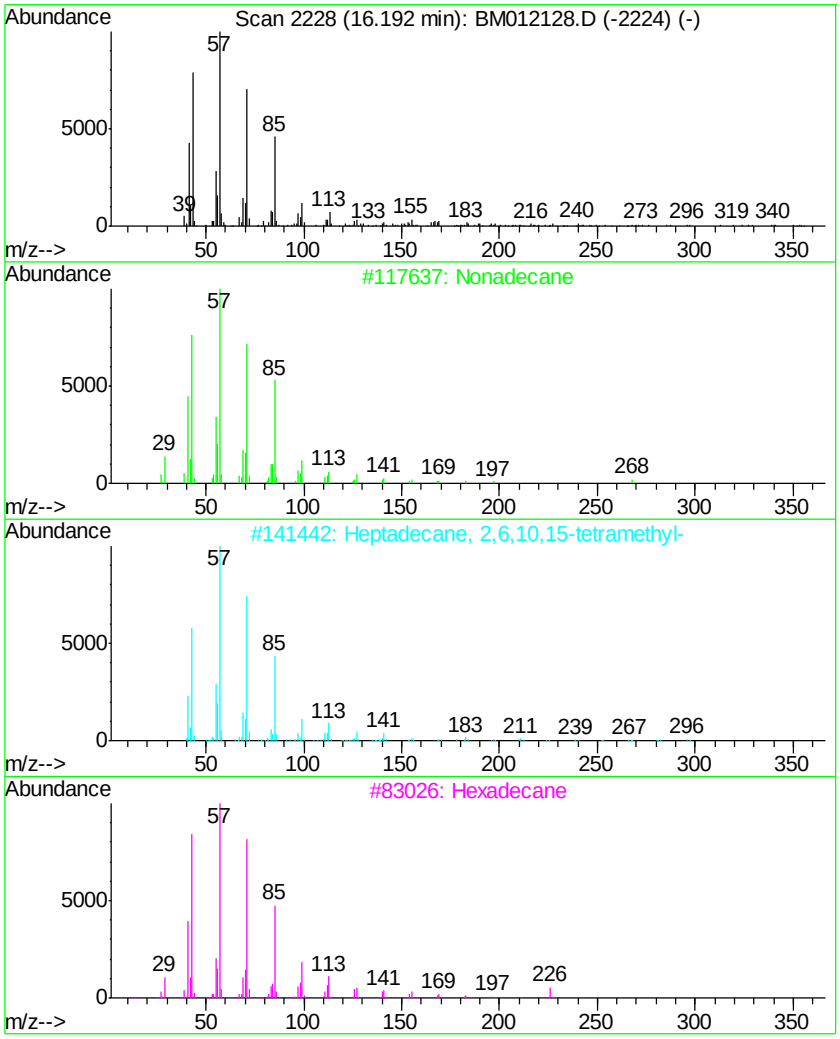
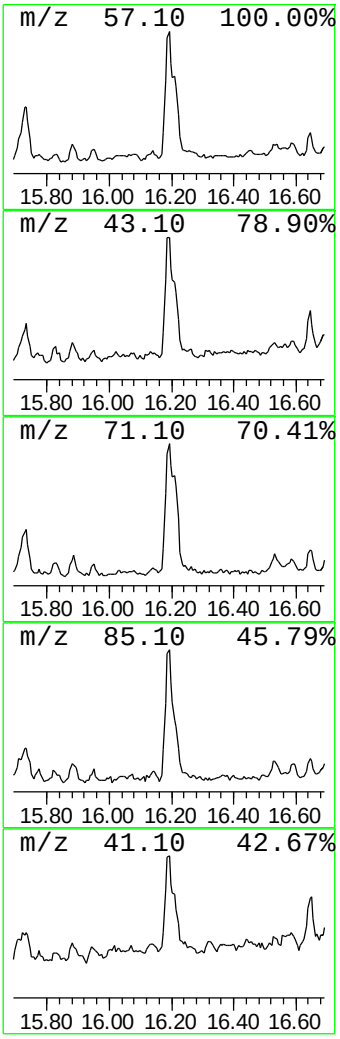
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	3.00 ng/ul	403206	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	98
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	93
3	Hexadecane	226	C16H34	000544-76-3	93
4	Tetradecane	198	C14H30	000629-59-4	93
5	Hexadecane	226	C16H34	000544-76-3	91





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Quant Title : SVOA CALIBRATION

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

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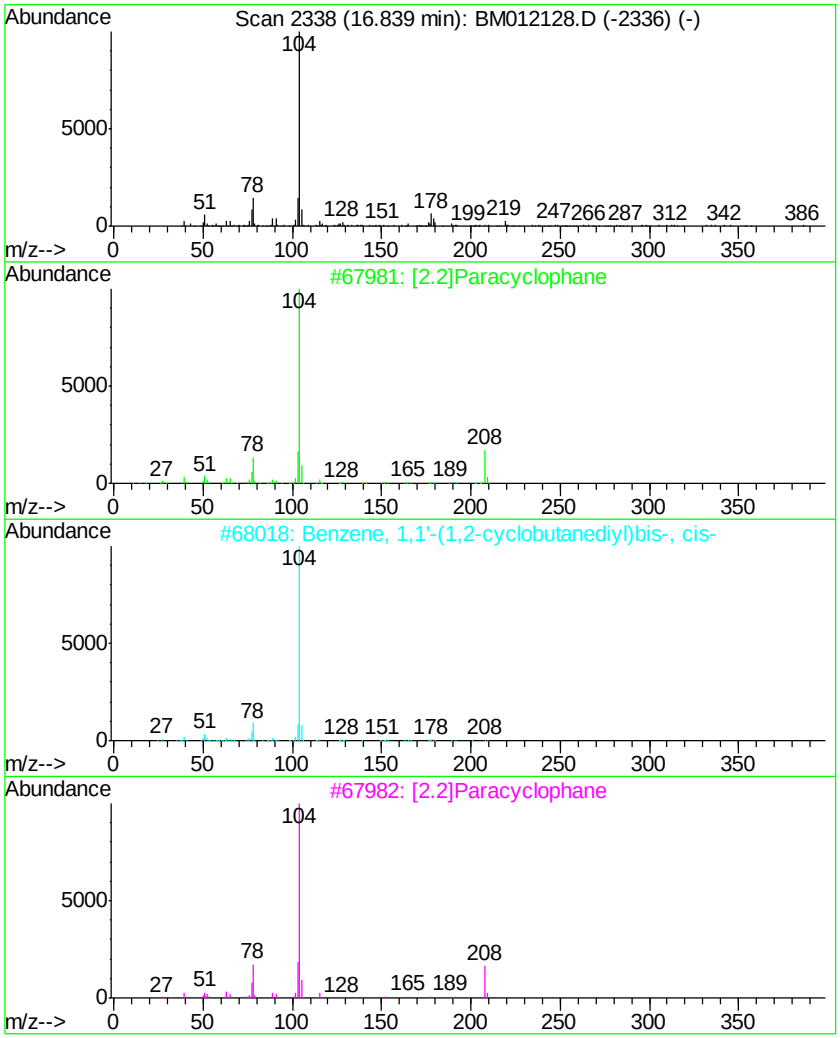
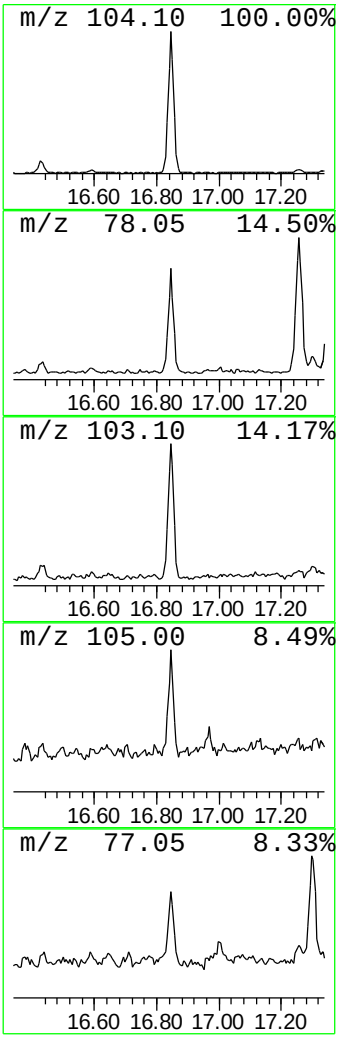
Peak Number 21 [2.2]Paracyclophane Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.84	3.44 ng/ul	462280	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[2.2]Paracyclophane	208	C16H16	001633-22-3	87
2	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	86
3	[2.2]Paracyclophane	208	C16H16	001633-22-3	83
4	Phensuximide	189	C11H11NO2	000086-34-0	72
5	[2.2]Paracyclophane	208	C16H16	001633-22-3	72





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012128.D
Acq On : 13 Oct 2017 08:51
Operator : SJ/JU
Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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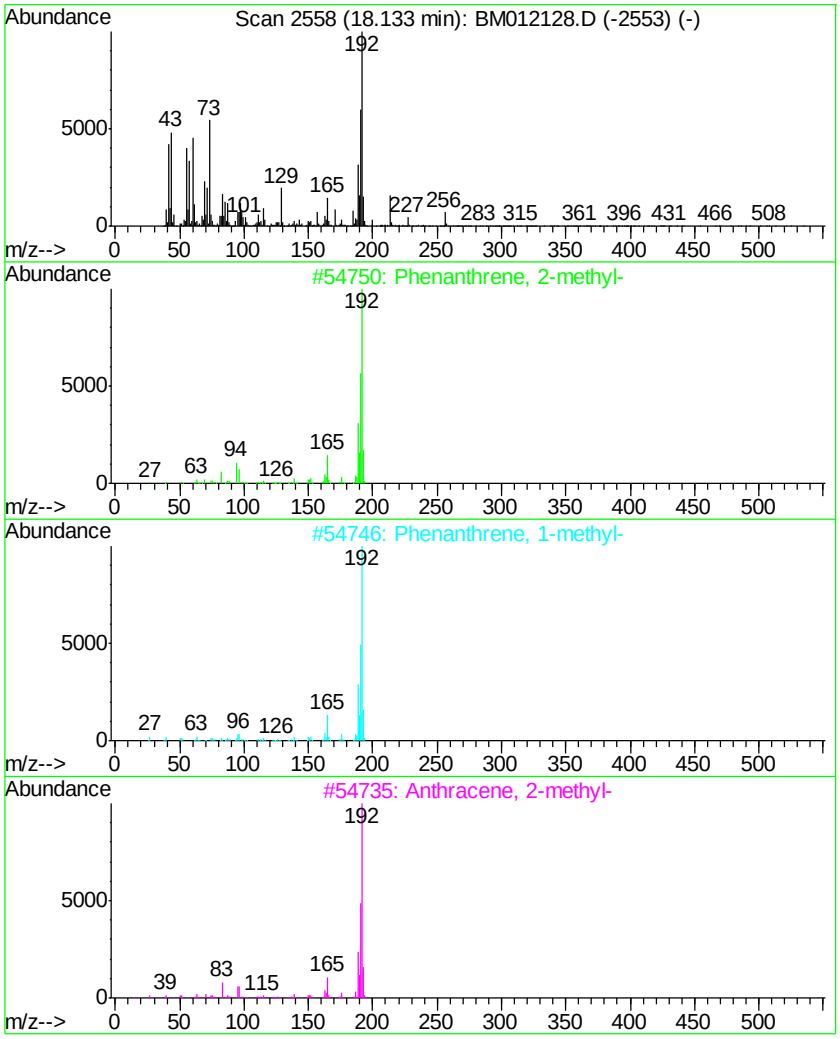
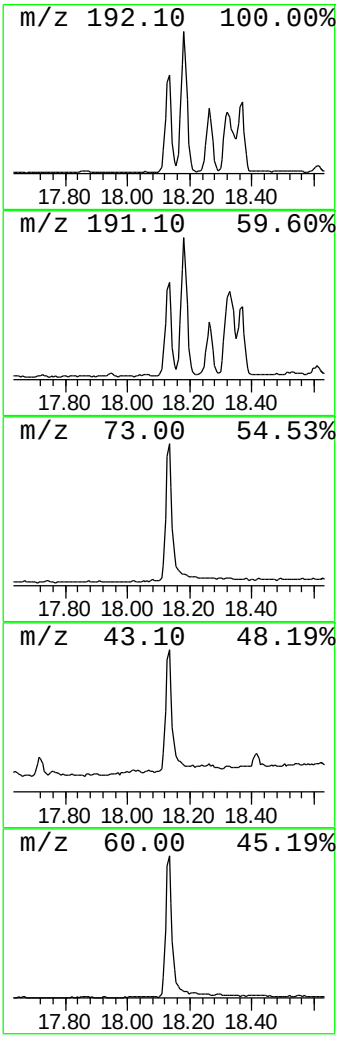
Peak Number 22 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	21.18 ng/ul	2842580	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Acq On : 13 Oct 2017 08:51
Operator : SJ/JU
Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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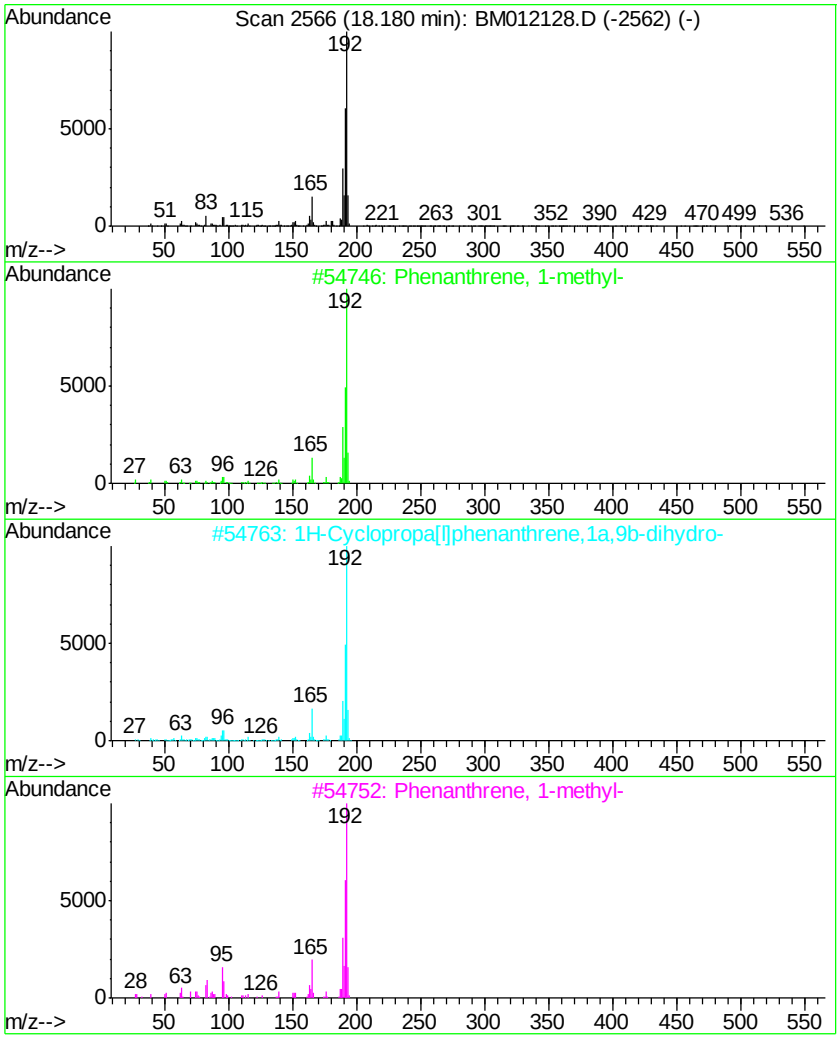
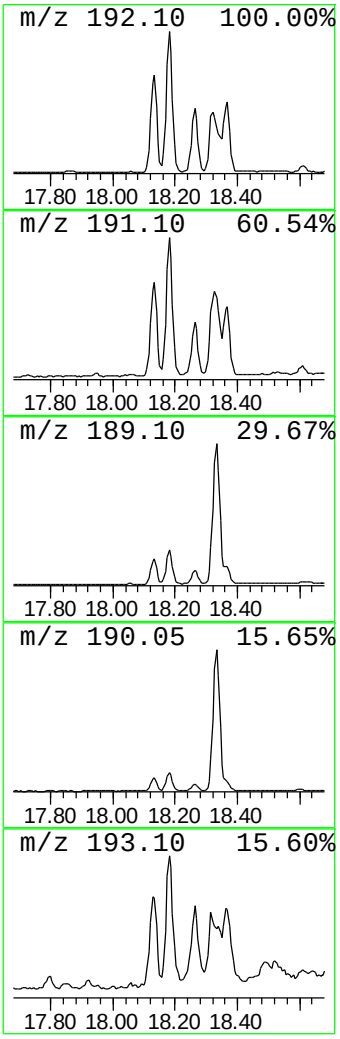
Peak Number 23 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	11.88 ng/ul	1594240	Phenanthrene-d10	17.26

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





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Operator : SJ/JU
Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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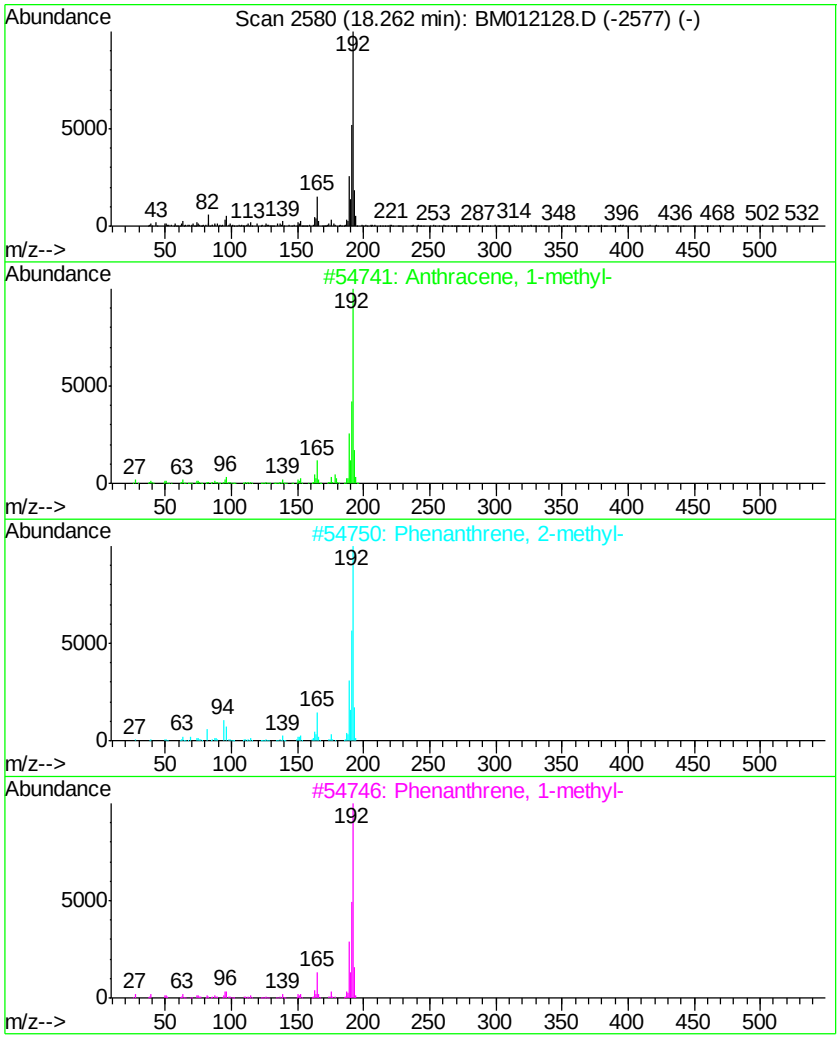
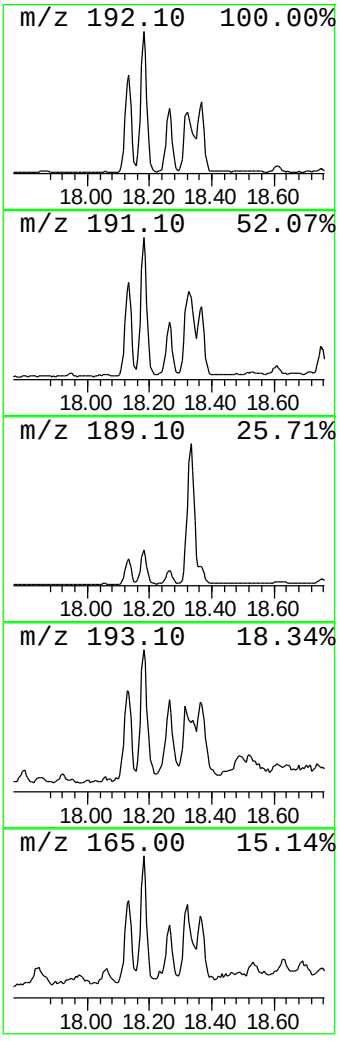
Peak Number 24 Anthracene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	3.28 ng/ul	440778	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96





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Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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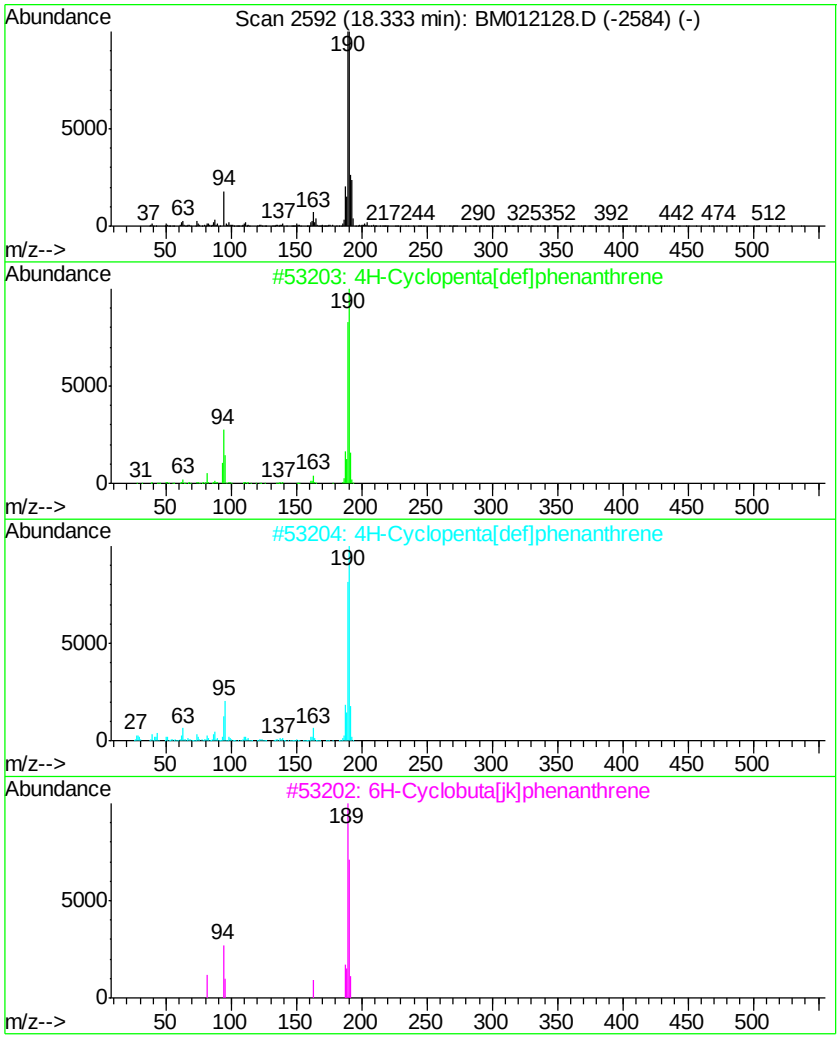
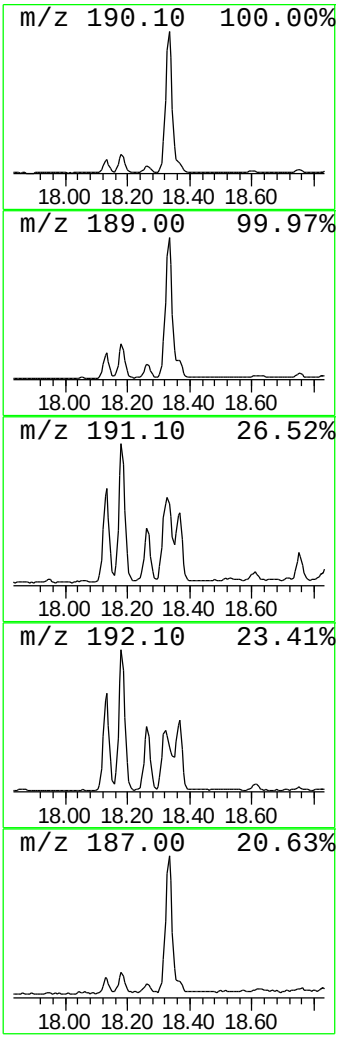
Peak Number 25 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	23.78 ng/ul	3192840	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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Acq On : 13 Oct 2017 08:51
Operator : SJ/JU
Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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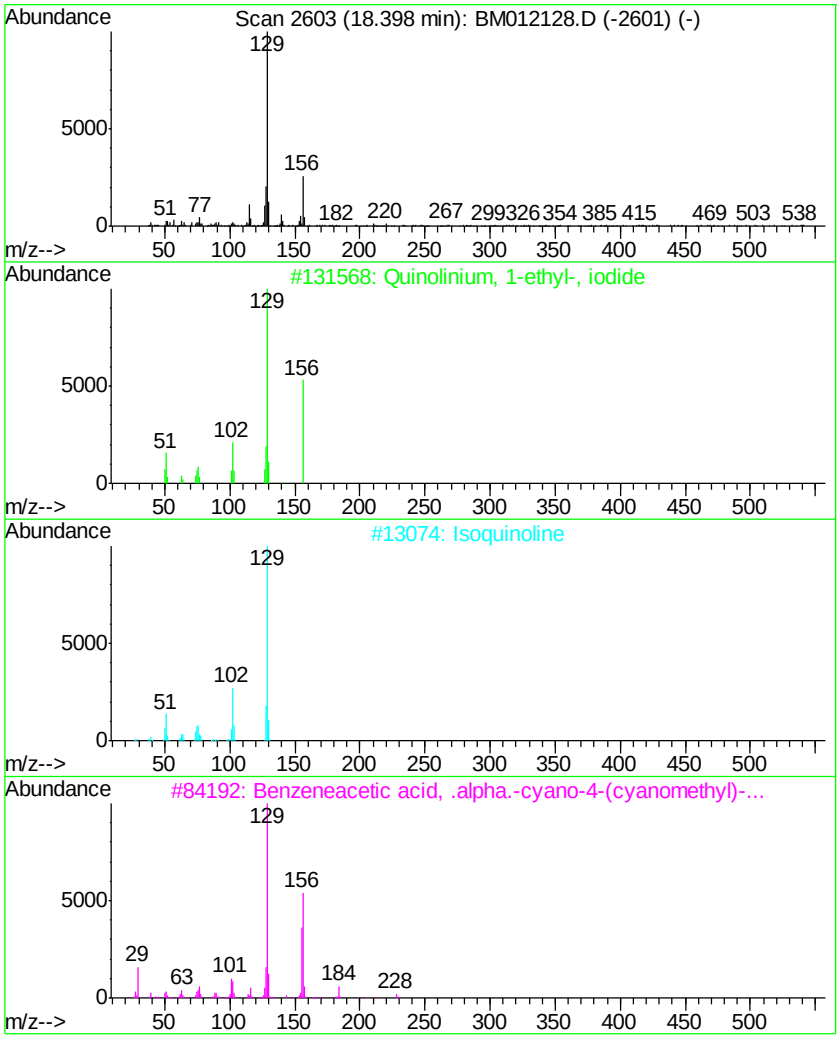
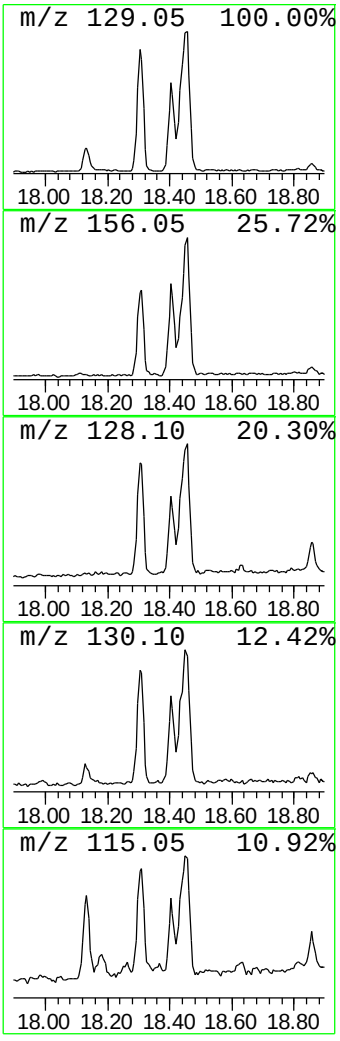
Peak Number 26 Quinolinium, 1-ethyl-, iodide Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	4.01 ng/ul	537882	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinolinium, 1-ethyl-, iodide	285	C11H12IN	000634-35-5	78
2	Isoquinoline	129	C9H7N	000119-65-3	58
3	Benzeneacetic acid, .alpha.-cyan...	228	C13H12N2O2	134882-04-5	56
4	1,2-Benzenediacetonitrile	156	C10H8N2	000613-73-0	56
5	Isoquinoline	129	C9H7N	000119-65-3	42





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Acq On : 13 Oct 2017 08:51
Operator : SJ/JU
Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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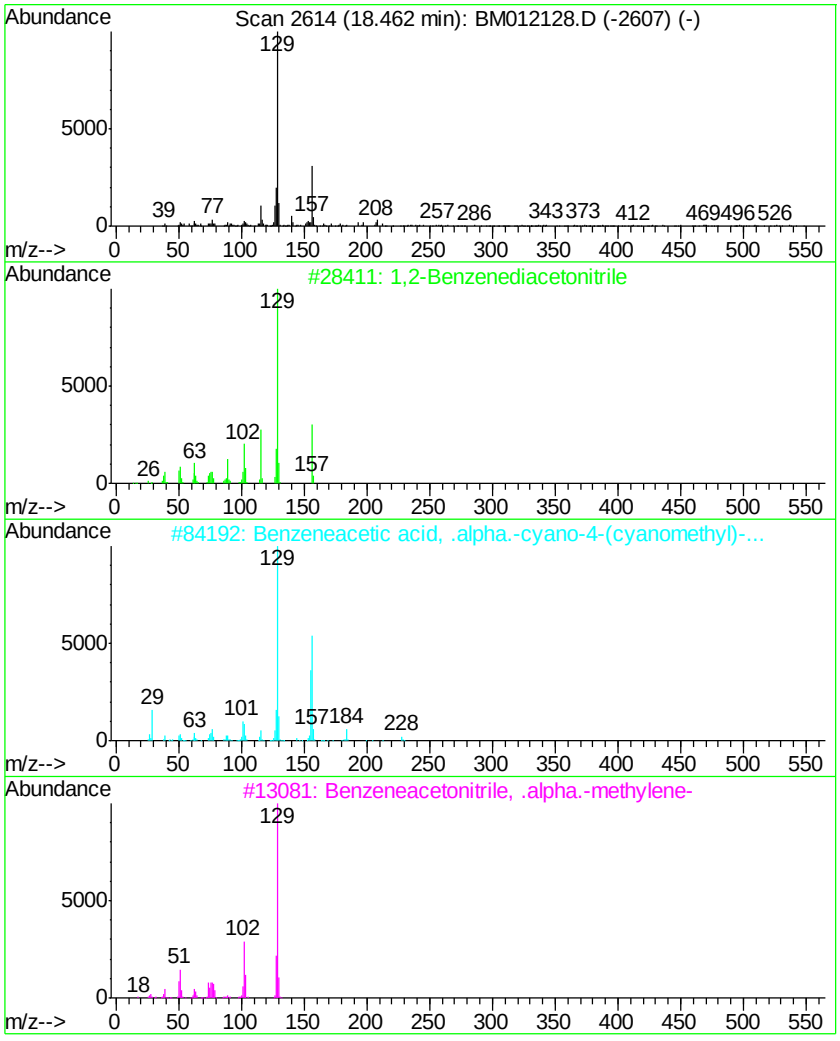
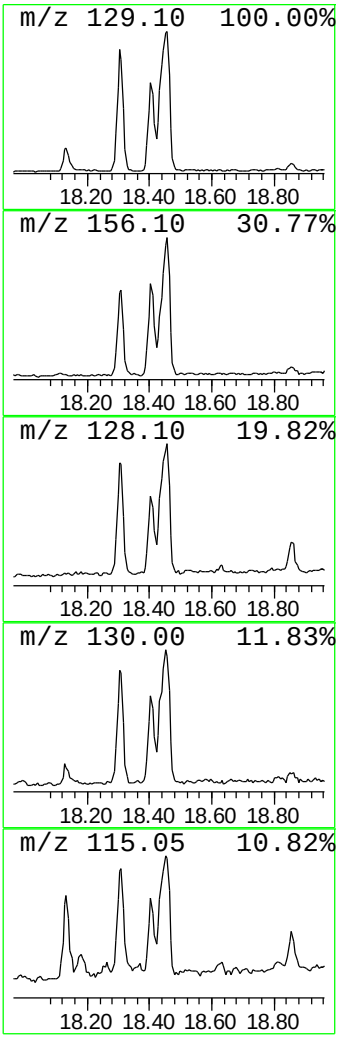
Peak Number 27 1,2-Benzenediacetonitrile Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	9.15 ng/ul	1228150	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenediacetonitrile	156	C10H8N2	000613-73-0	64
2	Benzeneacetic acid, .alpha.-cyan...	228	C13H12N2O2	134882-04-5	56
3	Benzeneacetonitrile, .alpha.-met...	129	C9H7N	000495-10-3	50
4	Quinolinium, 1-ethyl-, iodide	285	C11H12IN	000634-35-5	45
5	2-[1-(4-Cyano-1,2,3,4-tetrahydro...	210	C14H14N2	057964-39-3	43





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Acq On : 13 Oct 2017 08:51
Operator : SJ/JU
Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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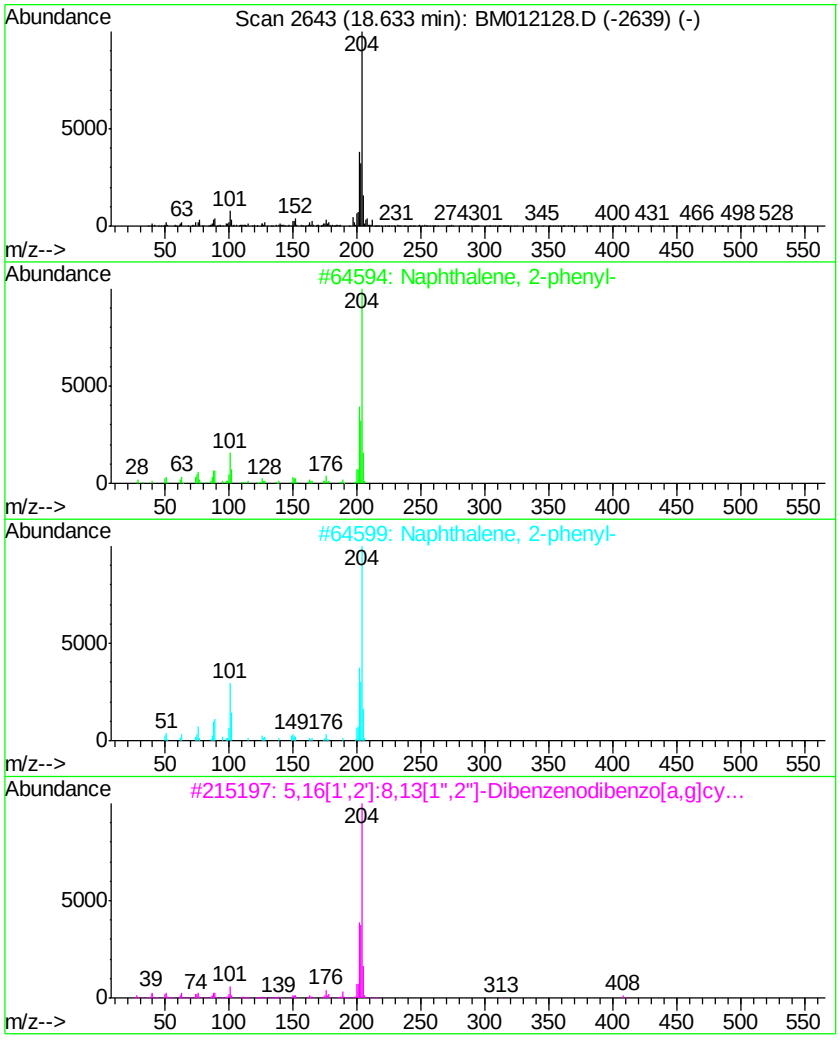
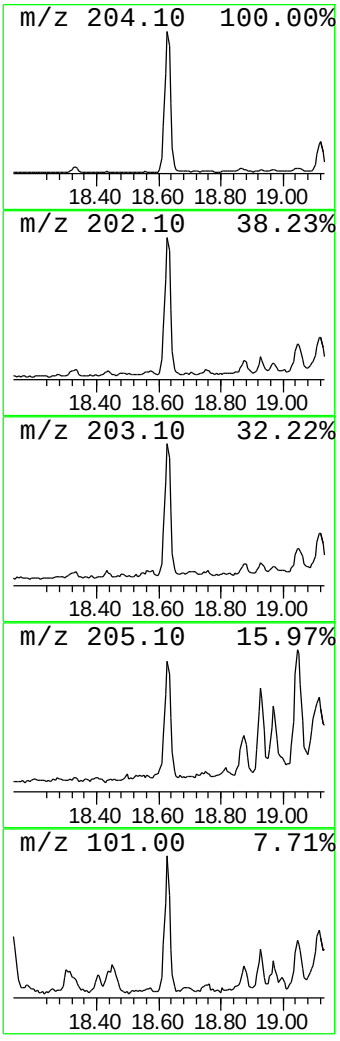
Peak Number 28 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	6.05 ng/ul	812194	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





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Data File : BM012128.D
Acq On : 13 Oct 2017 08:51
Operator : SJ/JU
Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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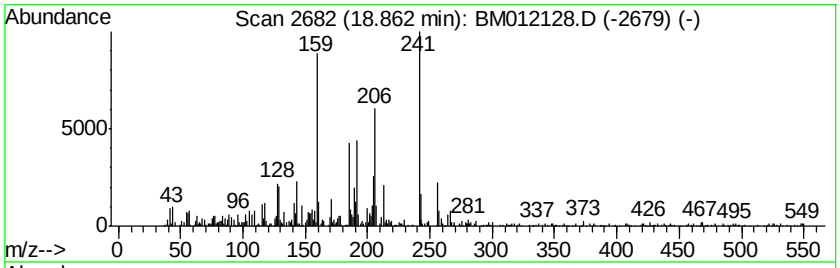
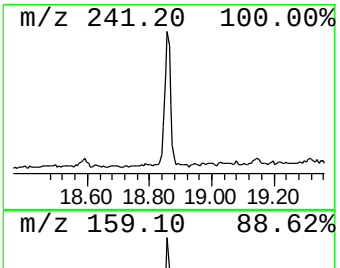
Peak Number 29 unknown-04 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	6.50 ng/ul	872039	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	44
2	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	38
3	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	30
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	25
5	3-Chlorobicyclo(2.2.1)heptan-2-o...	159	C7H10ClNO	010499-35-1	25





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Acq On : 13 Oct 2017 08:51
Operator : SJ/JU
Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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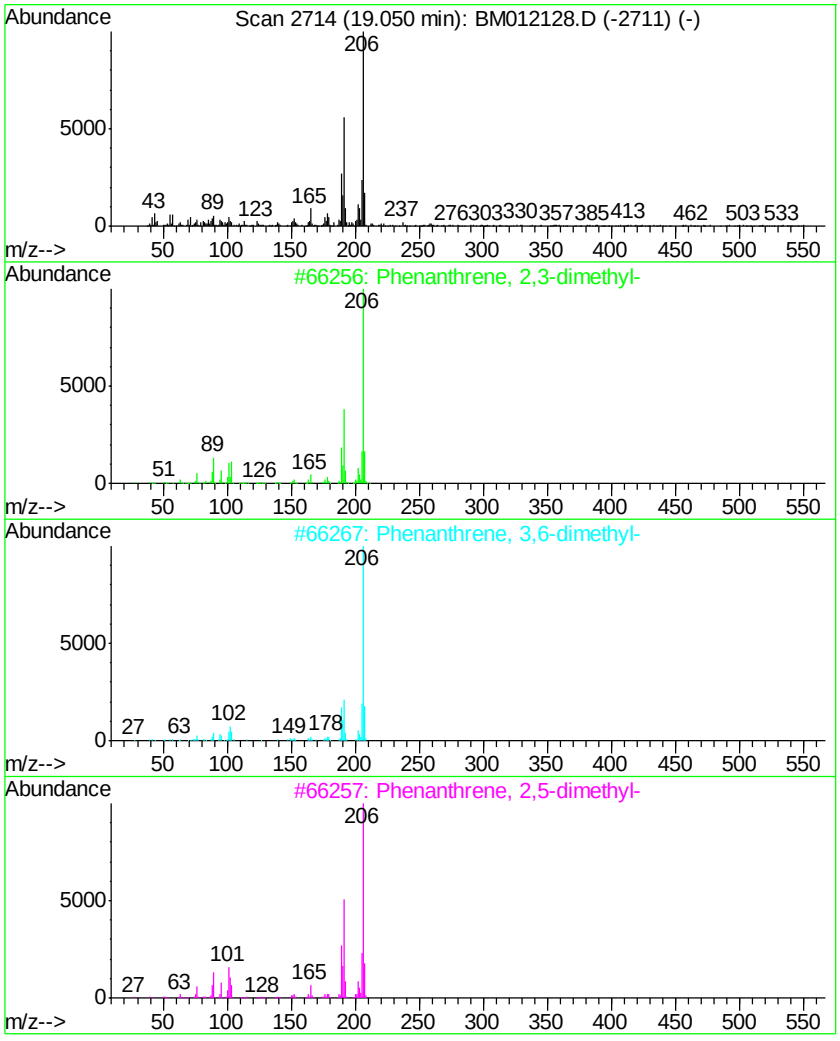
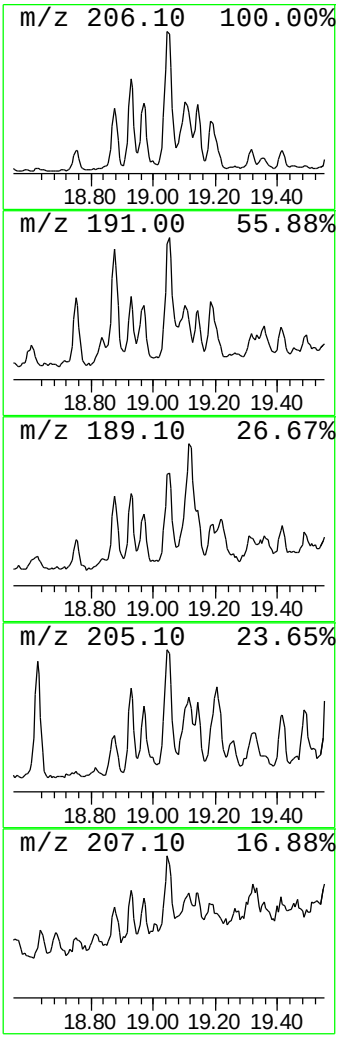
Peak Number 30 Phenanthrene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.05	4.31 ng/ul	578844	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012128.D
Acq On : 13 Oct 2017 08:51
Operator : SJ/JU
Sample : I5568-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.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
1,3,5,7-Cycloocta...	5.82	24.7	ng/ul	2260050	1	7.85	1830290	20.0
(DEL) Alkane: Str...	7.45	6.1	ng/ul	561468	1	7.85	1830290	20.0
Benzene, 1,2-diet...	7.96	3.9	ng/ul	353662	1	7.85	1830290	20.0
Dicyclopentadiene	8.11	29.3	ng/ul	2678250	1	7.85	1830290	20.0
Benzene, 1-methyl...	8.39	4.2	ng/ul	388022	1	7.85	1830290	20.0
Benzene, 1,3-diet...	8.48	4.4	ng/ul	406313	1	7.85	1830290	20.0
o-Toluidine	8.66	5.5	ng/ul	499945	1	7.85	1830290	20.0
Benzene, 1-ethyl-...	8.95	4.8	ng/ul	440586	1	7.85	1830290	20.0
Bicyclo[2.2.2]oct...	9.16	5.1	ng/ul	468674	1	7.85	1830290	20.0
Phenol, 2,6-dimet...	9.28	3.9	ng/ul	446536	2	10.66	2297370	20.0
Benzenamine, 2-me...	10.36	16.1	ng/ul	1851620	2	10.66	2297370	20.0
unknown-01	13.07	2.3	ng/ul	488285	3	14.51	4298010	20.0
unknown-02	13.21	2.5	ng/ul	539700	3	14.51	4298010	20.0
2,4,7,9-Tetrameth...	13.38	2.2	ng/ul	470686	3	14.51	4298010	20.0
Naphthalene, 2,3-...	15.32	3.1	ng/ul	676019	3	14.51	4298010	20.0
unknown-03	15.67	2.0	ng/ul	439569	3	14.51	4298010	20.0
(DEL) Alkane: Str...	16.19	3.0	ng/ul	403206	4	17.26	2684790	20.0
[2.2]Paracyclophane	16.84	3.4	ng/ul	462280	4	17.26	2684790	20.0
Phenanthrene, 2-m...	18.13	21.2	ng/ul	2842580	4	17.26	2684790	20.0
Phenanthrene, 1-m...	18.18	11.9	ng/ul	1594240	4	17.26	2684790	20.0
Anthracene, 1-met...	18.26	3.3	ng/ul	440778	4	17.26	2684790	20.0
4H-Cyclopenta[def...	18.33	23.8	ng/ul	3192840	4	17.26	2684790	20.0
Quinolinium, 1-et...	18.40	4.0	ng/ul	537882	4	17.26	2684790	20.0
1,2-Benzenediacet...	18.46	9.2	ng/ul	1228150	4	17.26	2684790	20.0
Naphthalene, 2-ph...	18.63	6.0	ng/ul	812194	4	17.26	2684790	20.0
unknown-04	18.86	6.5	ng/ul	872039	4	17.26	2684790	20.0
Phenanthrene, 2,3...	19.05	4.3	ng/ul	578844	4	17.26	2684790	20.0