LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028340.D
Acq On : 15 Aug 2017 12:12
Operator : SJ/JU
Sample : I4504-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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	7.513	658	668	681	rBV	148197	319290	13.02%	0.550%
2	7.677	688	696	706	rBV	96246	169536	6.91%	0.292%
3	7.894	726	733	746	rBV2	136995	255194	10.41%	0.440%
4	8.365	801	813	826	rVV	181423	354347	14.45%	0.610%
5	9.058	924	931	938	rVV	179087	348817	14.22%	0.601%
6	9.528	1004	1011	1023	rVB	140679	273468	11.15%	0.471%
7	10.251	1123	1134	1143	rBV	126644	258917	10.56%	0.446%
8	10.797	1220	1227	1236	rVV	208330	403792	16.46%	0.695%
9	11.179	1285	1292	1300	rBV	284017	545222	22.23%	0.939%
10	11.990	1424	1430	1435	rBV3	55631	98882	4.03%	0.170%
11	12.313	1475	1485	1496	rVV2	99928	246456	10.05%	0.424%
12	12.812	1564	1570	1574	rBV3	58980	114430	4.67%	0.197%
13	13.024	1601	1606	1616	rVB4	78170	163130	6.65%	0.281%
14	13.229	1633	1641	1648	rVB	348333	584952	23.85%	1.007%
15	13.447	1672	1678	1686	rVB2	107739	212781	8.68%	0.366%
16	13.752	1724	1730	1736	rVB7	95654	175626	7.16%	0.302%
17	14.134	1791	1795	1804	rVB6	86930	208994	8.52%	0.360%
18	14.305	1816	1824	1829	rVV	941426	1574374	64.20%	2.711%
19	14.358	1829	1833	1837	rVV	351917	542706	22.13%	0.935%
20	14.405	1837	1841	1845	rVV	82981	119374	4.87%	0.206%
21	14.663	1878	1885	1896	rVB	372763	707502	28.85%	1.219%
22	14.810	1896	1910	1915	rBV5	169775	444041	18.11%	0.765%
23	14.969	1929	1937	1945	rBV3	473964	923349	37.65%	1.590%
24	15.098	1953	1959	1971	rBV	1505343	2331730	95.08%	4.016%
25	15.198	1971	1976	1982	rVV2	151813	260300	10.61%	0.448%
26	15.292	1983	1992	1997	rVV8	64383	218901	8.93%	0.377%
27	15.345	1997	2001	2011	rVB6	114501	294618	12.01%	0.507%
28	15.427	2011	2015	2018	rBV4	65169	100547	4.10%	0.173%
29	15.574	2038	2040	2046	rVB7	65025	103963	4.24%	0.179%
30	15.726	2061	2066	2079	rVB5	108662	362905	14.80%	0.625%
31	15.885	2088	2093	2099	rBV	1702670	2452457	100.00%	4.224%
32	15.956	2099	2105	2110	rBV	444837	635913	25.93%	1.095%
33	16.079	2120	2126	2130	rVB	172576	249951	10.19%	0.430%
34	16.214	2145	2149	2153	rBV3	75511	133504	5.44%	0.230%

LSC Area Percent Report

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Sample : I4504-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

35	16.326	2164	2168	2175	rVB5	156750	274954	11.21%	0.474%
36	16.396	2175	2180	2185	rBV	413472	659018	26.87%	1.135%
37	16.543	2201	2205	2209	rBV6	86786	148892	6.07%	0.256%
38	16.625	2212	2219	2224	rVB6	171906	373255	15.22%	0.643%
39	16.731	2230	2237	2242	rVB5	186238	368959	15.04%	0.635%
40	16.808	2243	2250	2254	rBV9	93462	228640	9.32%	0.394%
41	16.890	2261	2264	2269	rVV4	66616	112114	4.57%	0.193%
42	16.996	2274	2282	2290	rBV4	1068486	1981399	80.79%	3.413%
43	17.066	2291	2294	2299	rVB2	88823	142819	5.82%	0.246%
44	17.172	2308	2312	2317	rBV8	83104	190835	7.78%	0.329%
45	17.242	2318	2324	2338	rVB2	333500	1103070	44.98%	1.900%
46	17.448	2352	2359	2364	rVB5	169506	327122	13.34%	0.563%
47	17.554	2372	2377	2383	rVB3	203315	357461	14.58%	0.616%
48	17.648	2389	2393	2396	rBV4	83261	130269	5.31%	0.224%
49	17.707	2397	2403	2409	rVV3	756425	1521864	62.05%	2.621%
50	17.759	2409	2412	2417	rVV	154936	222540	9.07%	0.383%
51	17.818	2417	2422	2433	rVV2	486074	937378	38.22%	1.614%
52	18.165	2477	2481	2483	rVV	132952	174673	7.12%	0.301%
53	18.200	2484	2487	2491	rVV5	114900	176156	7.18%	0.303%
54	18.294	2500	2503	2507	rVB5	88576	119158	4.86%	0.205%
55	18.359	2509	2514	2517	rBV5	78490	138828	5.66%	0.239%
56	18.400	2518	2521	2530	rVB9	100220	235332	9.60%	0.405%
57	18.511	2537	2540	2545	rBV6	116023	177396	7.23%	0.306%
58	18.570	2545	2550	2557	rBV2	739987	1252627	51.08%	2.157%
59	18.717	2571	2575	2581	rBV7	167228	313875	12.80%	0.541%
60	18.770	2581	2584	2587	rBV3	137214	224323	9.15%	0.386%
61	19.081	2633	2637	2642	rVB7	123755	210221	8.57%	0.362%
62	19.222	2659	2661	2667	rVB7	86739	129244	5.27%	0.223%
63	19.287	2669	2672	2675	rBV3	97512	142806	5.82%	0.246%
64	19.475	2700	2704	2710	rBV2	337388	774964	31.60%	1.335%
65	19.710	2740	2744	2746	rBV2	290929	383494	15.64%	0.660%
66	19.828	2759	2764	2774	rVB6	353410	657785	26.82%	1.133%
67	20.010	2792	2795	2798	rBV2	394140	478010	19.49%	0.823%
68	20.039	2798	2800	2803	rVB	341241	314093	12.81%	0.541%
69	20.092	2804	2809	2819	rVV2	703223	1496286	61.01%	2.577%
70	20.174	2819	2823	2834	rVB8	336170	666800	27.19%	1.148%
71	20.380	2855	2858	2862	rBV5	106207	127888	5.21%	0.220%

LSC Area Percent Report

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Sample : I4504-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

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

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Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

72	20.503	2876	2879	2883	rBV5	95614	152933	6.24%	0.263%
73	20.568	2887	2890	2899	rVB4	316178	448700	18.30%	0.773%
74	20.903	2944	2947	2953	rBV4	164933	253823	10.35%	0.437%
75	21.003	2959	2964	2968	rVB	509044	765503	31.21%	1.318%
76	21.056	2968	2973	2988	rVB4	505608	1582814	64.54%	2.726%
77	21.620	3064	3069	3080	rVB	596761	1041413	42.46%	1.794%
78	21.714	3082	3085	3089	rVB3	156286	200652	8.18%	0.346%
79	21.784	3093	3097	3103	rVB5	428618	748197	30.51%	1.289%
80	22.025	3132	3138	3140	rBV	517274	878684	35.83%	1.513%
81	22.054	3140	3143	3149	rVB2	749988	1284247	52.37%	2.212%
82	22.178	3160	3164	3172	rVB3	441418	790233	32.22%	1.361%
83	22.260	3173	3178	3190	rVB	628252	1265852	51.62%	2.180%
84	22.395	3198	3201	3207	rVB	86877	133719	5.45%	0.230%
85	22.971	3294	3299	3312	rVB	502411	1117578	45.57%	1.925%
86	23.118	3313	3324	3332	rBV3	261168	852580	34.76%	1.468%
87	23.206	3335	3339	3357	rVB5	217402	675720	27.55%	1.164%
88	23.406	3368	3373	3375	rBV5	131908	235716	9.61%	0.406%
89	23.453	3376	3381	3391	rVB2	307992	757302	30.88%	1.304%
90	23.576	3397	3402	3409	rVB3	223251	513004	20.92%	0.884%
91	23.788	3430	3438	3452	rVB	708545	1825802	74.45%	3.145%
92	24.898	3622	3627	3640	rVB2	253260	694278	28.31%	1.196%
93	25.209	3674	3680	3687	rBV6	71448	182950	7.46%	0.315%
94	25.339	3695	3702	3711	rVB3	247904	653369	26.64%	1.125%
95	25.586	3737	3744	3756	rVB2	285084	887168	36.17%	1.528%
96	26.220	3845	3852	3863	rVB3	415353	1244533	50.75%	2.143%
97	26.684	3923	3931	3951	rVB9	254357	994632	40.56%	1.713%
98	26.896	3954	3967	3978	rVB5	666412	2200004	89.71%	3.789%
99	27.137	3999	4008	4017	rVB3	168221	512426	20.89%	0.883%
100	27.542	4062	4077	4093	rVB3	333982	1704511	69.50%	2.936%

Sum of corrected areas: 58062860

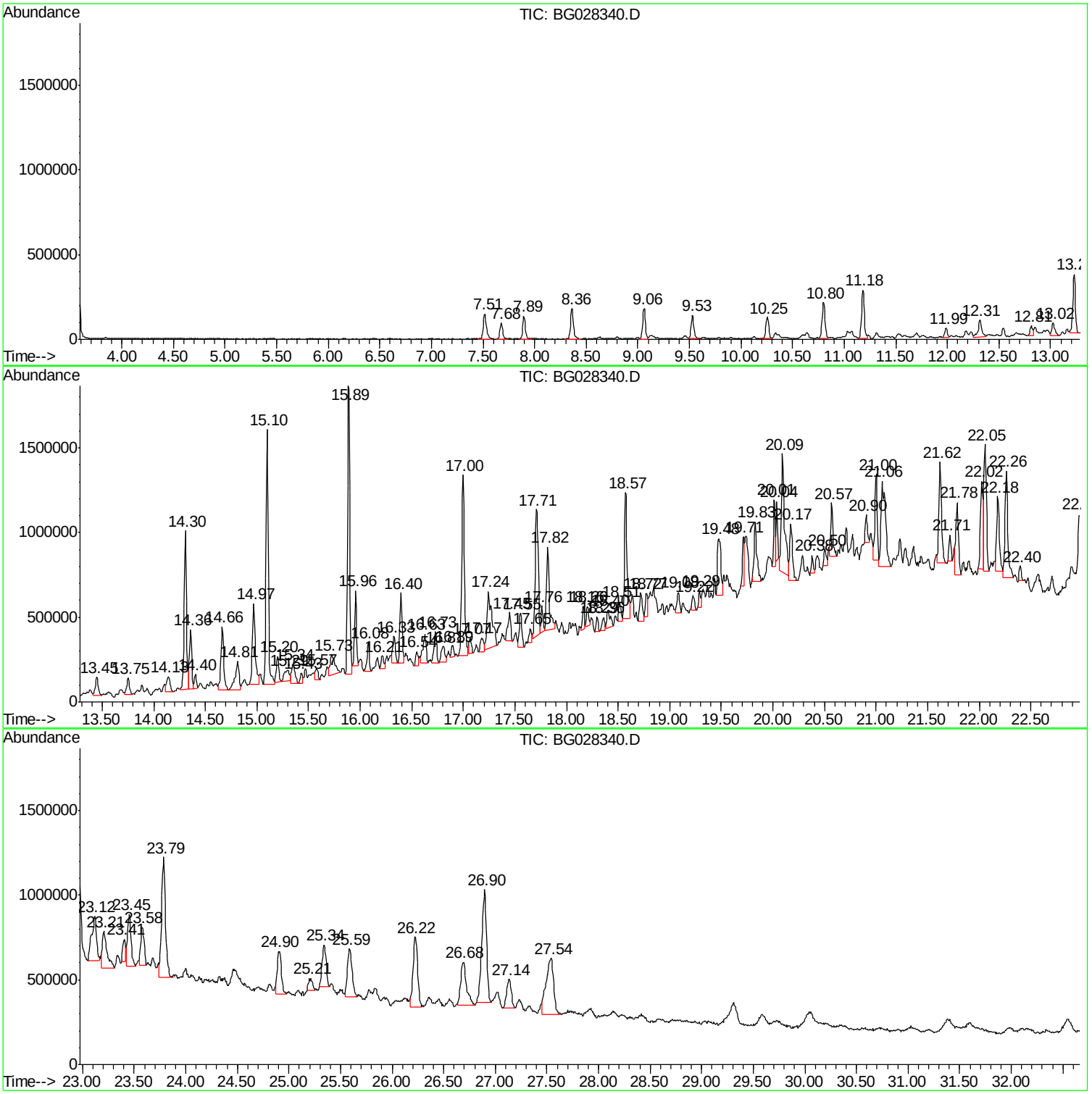
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028340.D
Acq On : 15 Aug 2017 12:12
Operator : SJ/JU
Sample : I4504-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028340.D
Acq On : 15 Aug 2017 12:12
Operator : SJ/JU
Sample : I4504-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

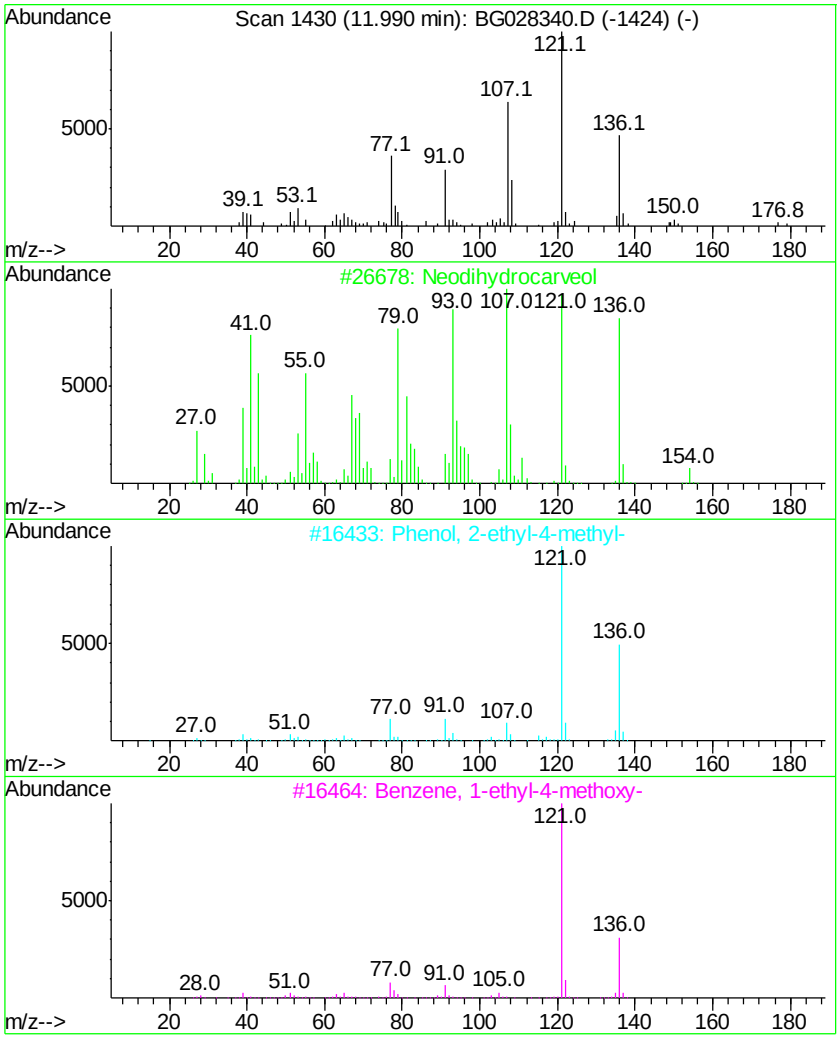
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

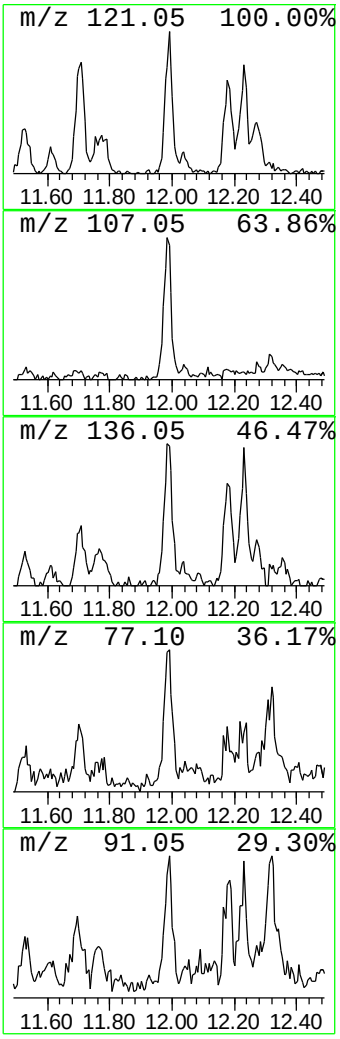
****

Peak Number 1 Neodihydrocarveol Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	3.63 ng/ul	98882	Naphthalene-d8	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Neodihydrocarveol	154	C10H18O	018675-34-8	81
2	Phenol, 2-ethyl-4-methyl-	136	C9H12O	003855-26-3	76
3	Benzene, 1-ethyl-4-methoxy-	136	C9H12O	001515-95-3	62
4	Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	58
5	Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	52





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028340.D
Acq On : 15 Aug 2017 12:12
Operator : SJ/JU
Sample : I4504-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

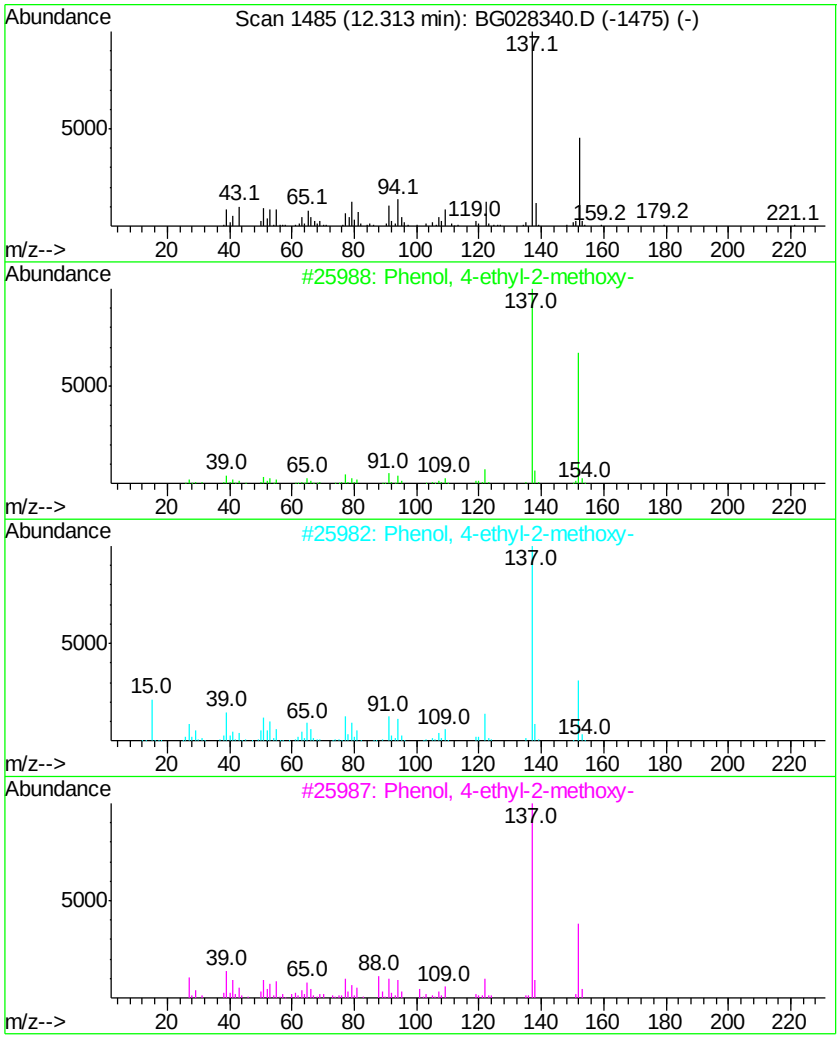
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

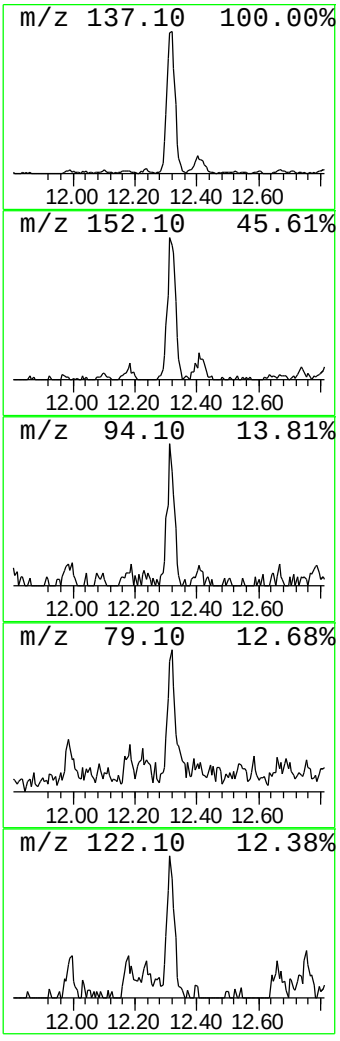
****

Peak Number 2 Phenol, 4-ethyl-2-methoxy- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	9.04 ng/ul	246456	Naphthalene-d8	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-ethyl-2-methoxy-	152	C9H12O2	002785-89-9	91
2	Phenol, 4-ethyl-2-methoxy-	152	C9H12O2	002785-89-9	91
3	Phenol, 4-ethyl-2-methoxy-	152	C9H12O2	002785-89-9	91
4	Pyrazine, 2-methoxy-3-(1-methyle...	152	C8H12N2O	025773-40-4	64
5	O-Methoxy-.alpha.-methylbenzyl a...	152	C9H12O2	013513-82-1	64





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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

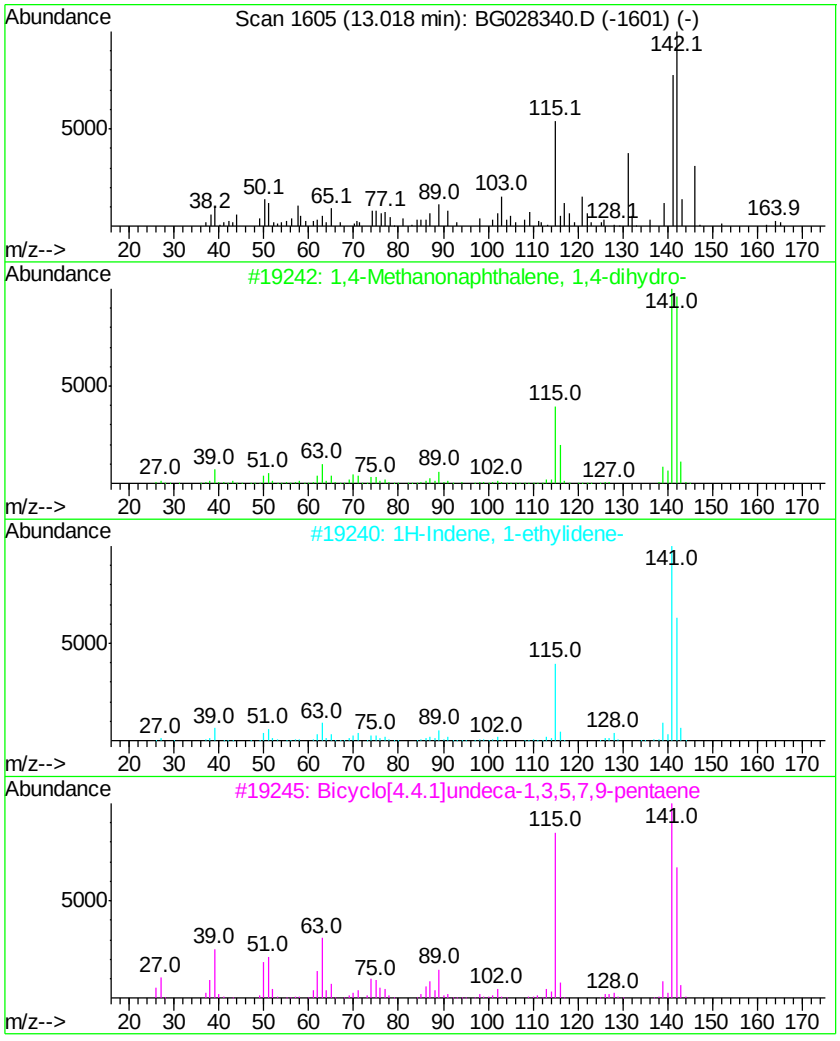
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

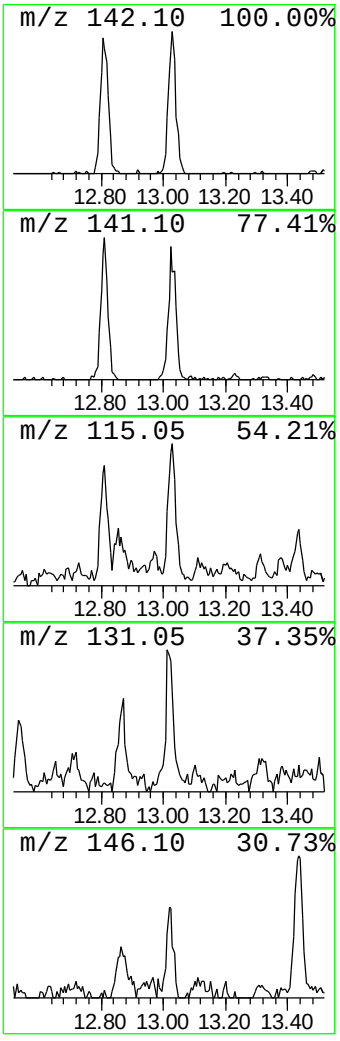
****

Peak Number 3 1,4-Methanonaphthalene, 1,4... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	5.98 ng/ul	163130	Naphthalene-d8	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	89
2	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	89
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	89
4	Benzocycloheptatriene	142	C11H10	000264-09-5	89
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	76





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028340.D
Acq On : 15 Aug 2017 12:12
Operator : SJ/JU
Sample : I4504-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

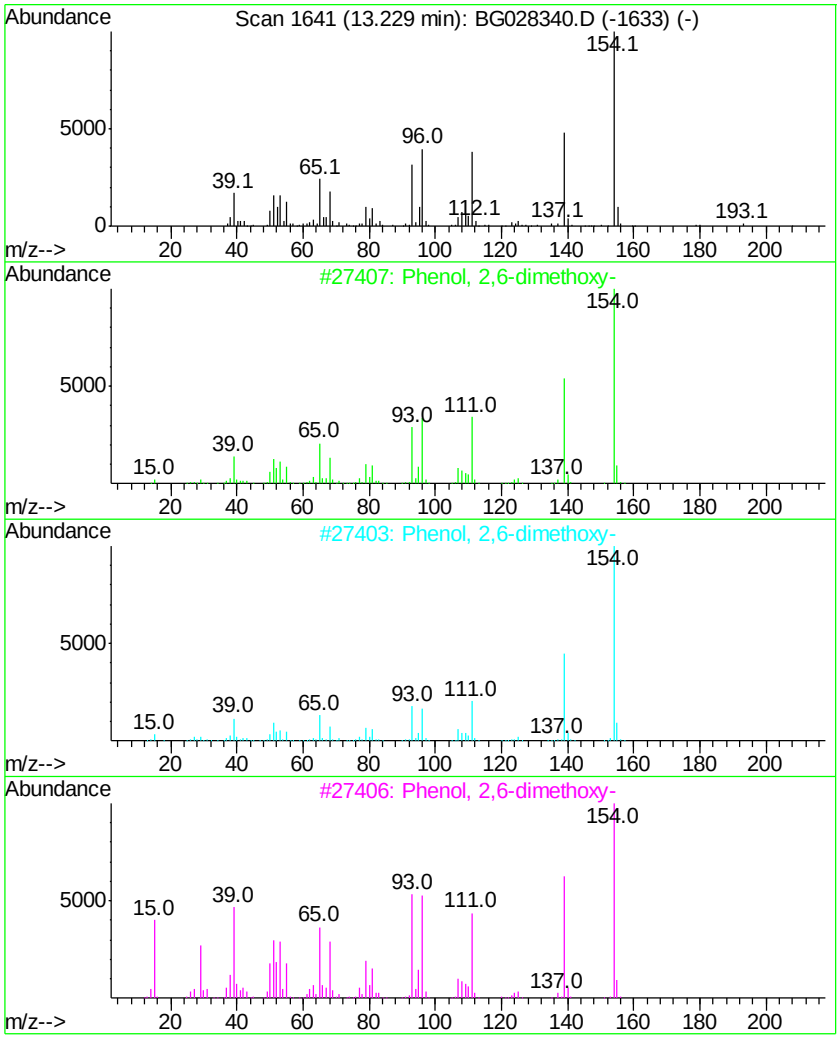
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

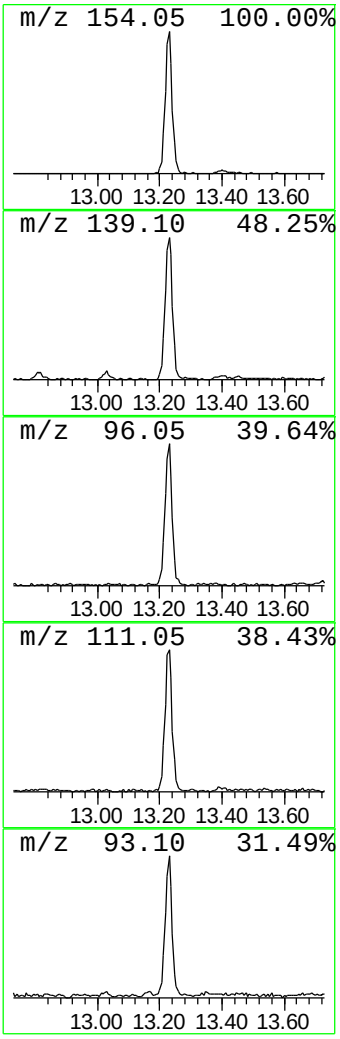
****

Peak Number 4 Phenol, 2,6-dimethoxy- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	12.67 ng/ul	584952	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-dimethoxy-	154	C8H10O3	000091-10-1	94
2	Phenol, 2,6-dimethoxy-	154	C8H10O3	000091-10-1	87
3	Phenol, 2,6-dimethoxy-	154	C8H10O3	000091-10-1	80
4	Phenol, 3,4-dimethoxy-	154	C8H10O3	002033-89-8	53
5	3-Amino-2,6-dimethoxypyridine	154	C7H10N2O2	028020-37-3	52





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028340.D
Acq On : 15 Aug 2017 12:12
Operator : SJ/JU
Sample : I4504-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

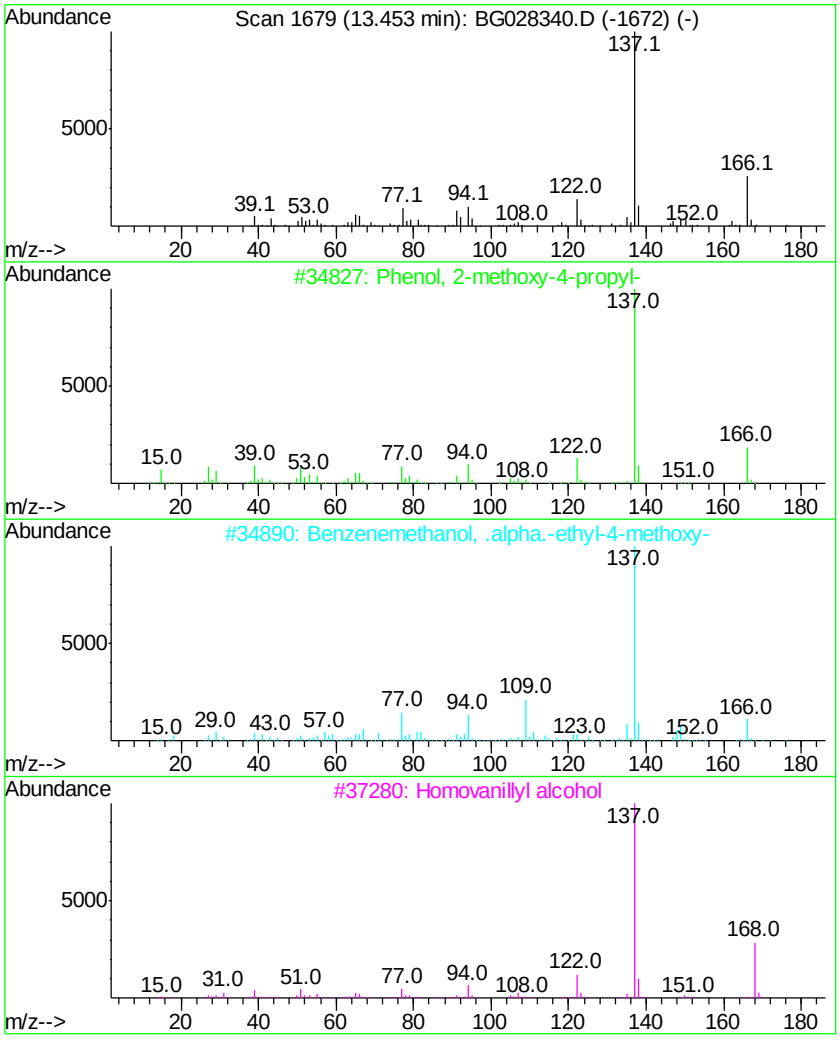
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

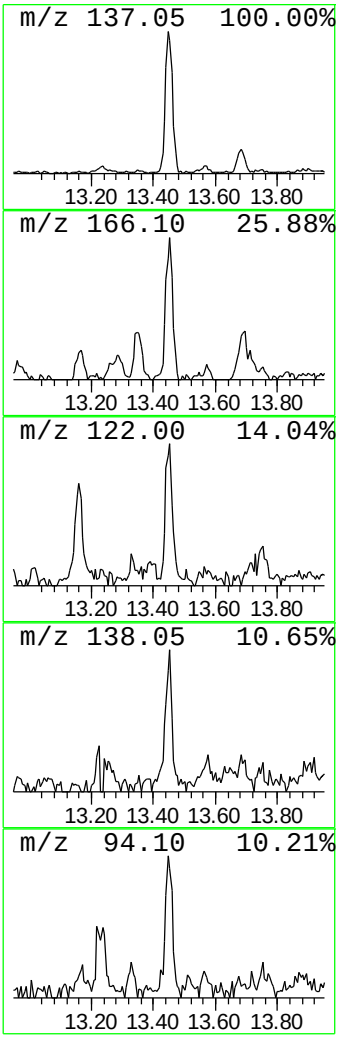
****

Peak Number 5 Phenol, 2-methoxy-4-propyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	4.61 ng/ul	212781	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-methoxy-4-propyl-	166	C10H14O2	002785-87-7	83
2	Benzenemethanol, .alpha.-ethyl-4...	166	C10H14O2	005349-60-0	64
3	Homovanillyl alcohol	168	C9H12O3	002380-78-1	53
4	Homovanillic acid	182	C9H10O4	000306-08-1	53
5	Benzeneacetic acid, 4-hydroxy-3-...	196	C10H12O4	015964-80-4	53





Library Search Compound Report

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Operator : SJ/JU
Sample : I4504-17
Misc :
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Instrument : BNA_G
ClientSampleId : C0AA8

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Quant Title : SVOA CALIBRATION

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

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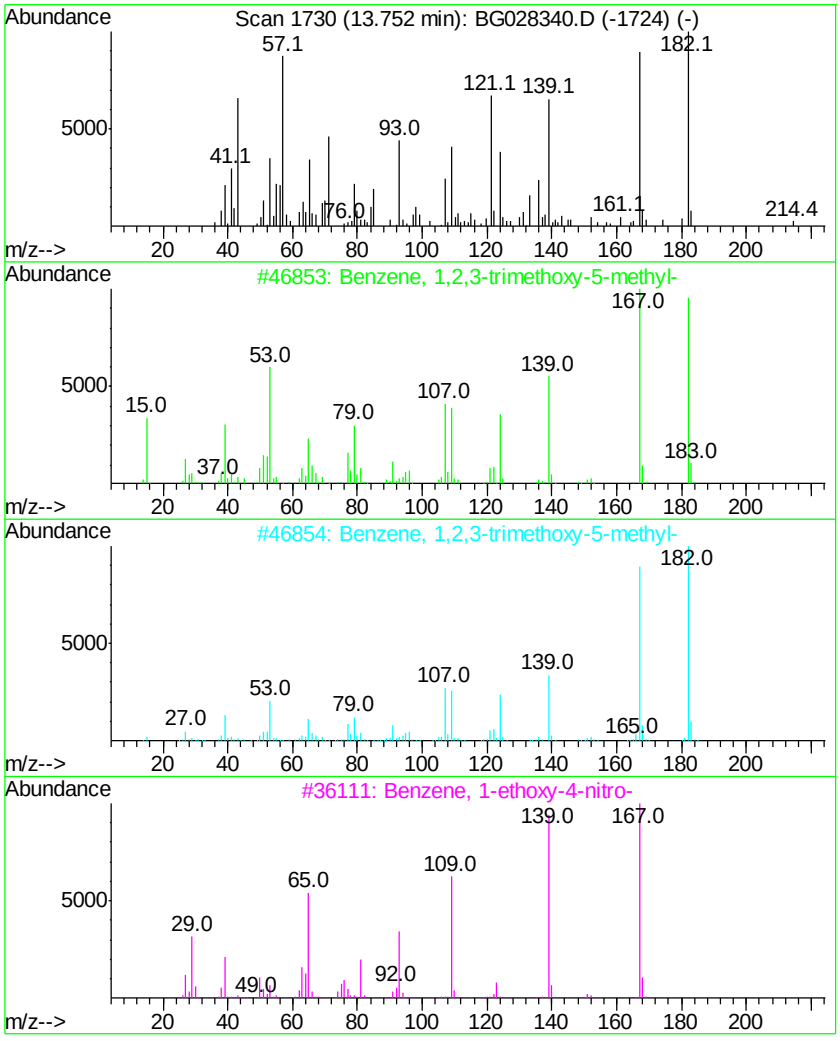
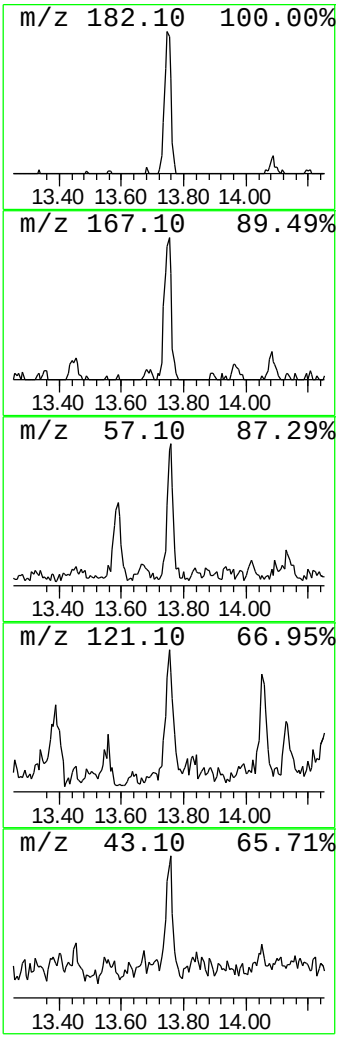
Peak Number 6 Benzene, 1,2,3-trimethoxy-5... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	3.80 ng/ul	175626	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethoxy-5-methyl-	182	C10H14O3	006443-69-2	58
2	Benzene, 1,2,3-trimethoxy-5-methyl-	182	C10H14O3	006443-69-2	53
3	Benzene, 1-ethoxy-4-nitro-	167	C8H9NO3	000100-29-8	42
4	Benzene, 1,2,3-trimethoxy-5-methyl-	182	C10H14O3	006443-69-2	38
5	Phenol, 4-nitro-	139	C6H5NO3	000100-02-7	15





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Instrument : BNA_G
ClientSampleId : C0AA8

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Quant Title : SVOA CALIBRATION

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

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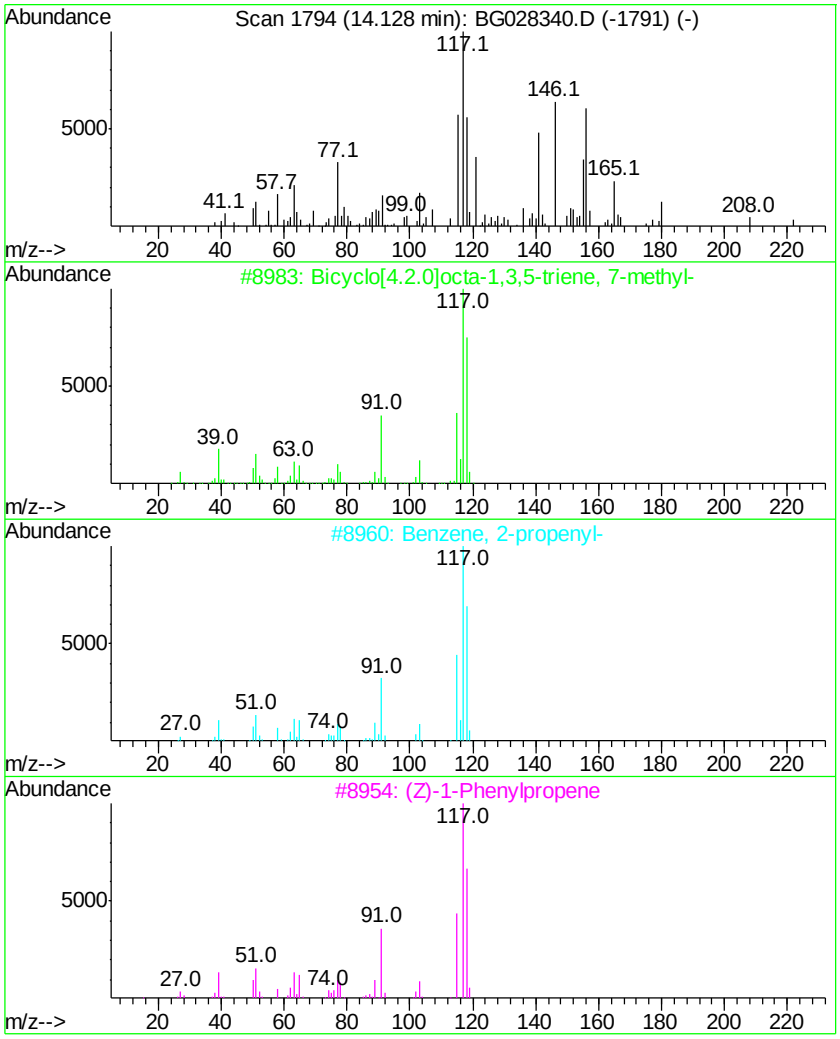
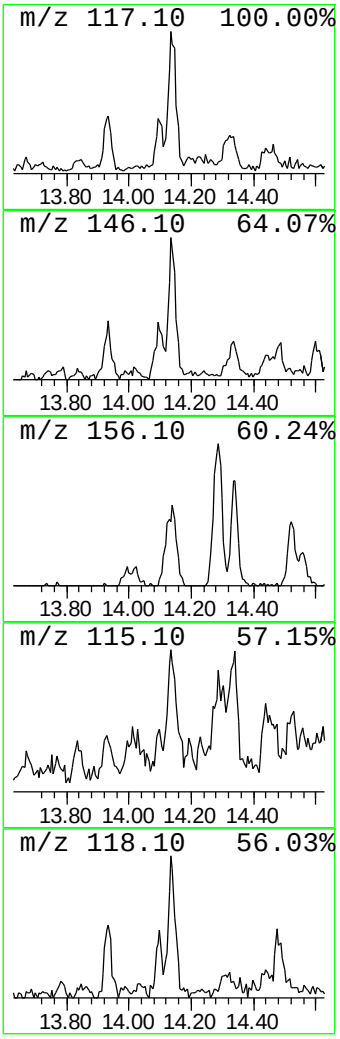
Peak Number 7 unknown-01 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	4.53 ng/ul	208994	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	38
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	38
3	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	38
4	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	38
5	7-Methylindan-1-one	146	C10H10O	039627-61-7	38





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Instrument : BNA_G
ClientSampleId : C0AA8

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Quant Title : SVOA CALIBRATION

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

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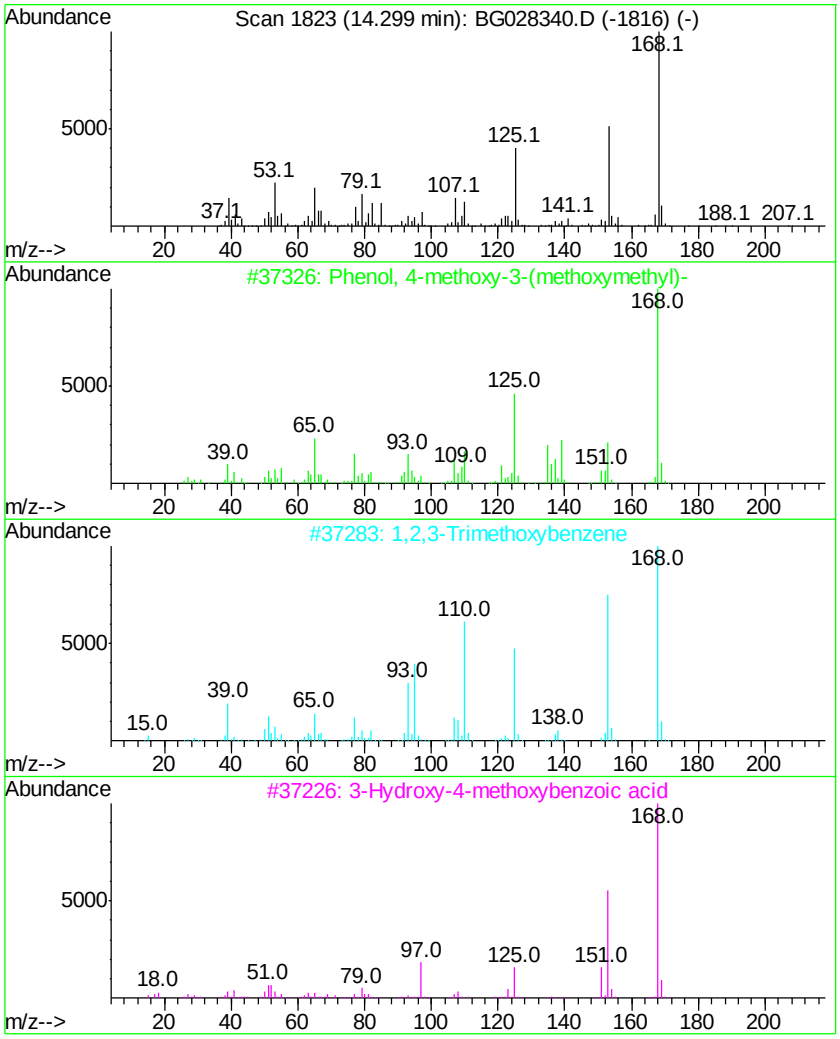
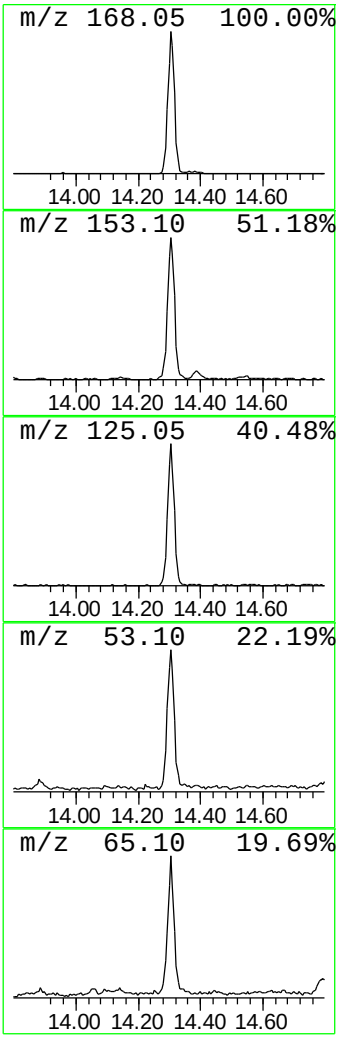
Peak Number 8 Phenol, 4-methoxy-3-(methox... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	34.10 ng/ul	1574370	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-methoxy-3-(methoxymeth...	168	C9H12O3	059907-65-2	62
2	1,2,3-Trimethoxybenzene	168	C9H12O3	000634-36-6	50
3	3-Hydroxy-4-methoxybenzoic acid	168	C8H8O4	000645-08-9	49
4	Benzoic acid, 4-hydroxy-3-methoxy-	168	C8H8O4	000121-34-6	47
5	2,3-Dimethoxybenzyl alcohol	168	C9H12O3	005653-67-8	47





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Instrument : BNA_G
ClientSampleId : C0AA8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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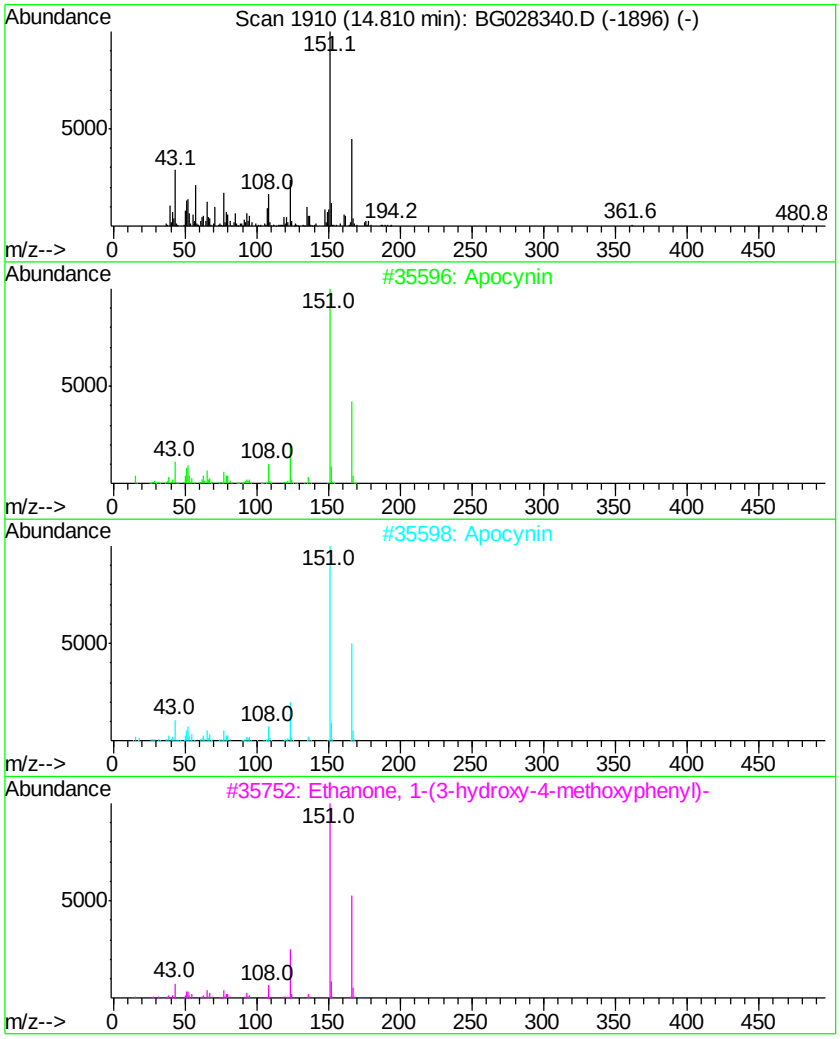
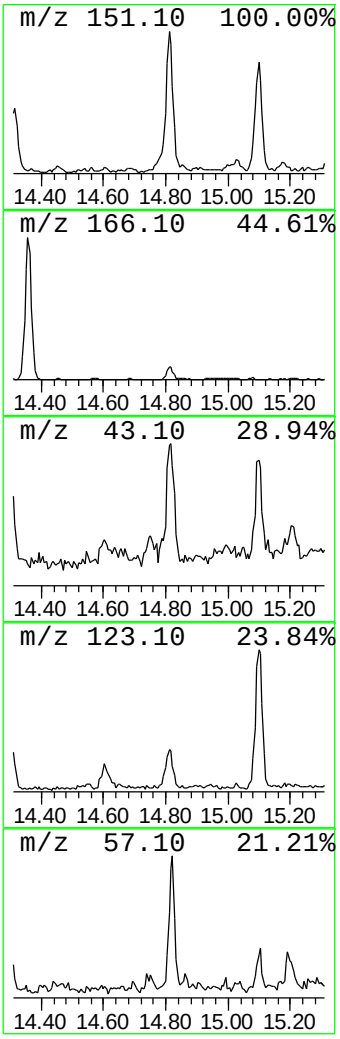
Peak Number 9 Apocynin Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	9.62 ng/ul	444041	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Apocynin	166	C9H10O3	000498-02-2	93
2	Apocynin	166	C9H10O3	000498-02-2	87
3	Ethanone, 1-(3-hydroxy-4-methoxy...	166	C9H10O3	006100-74-9	87
4	Ethanone, 1-(2-hydroxy-6-methoxy...	166	C9H10O3	000703-23-1	74
5	t-Butylhydroquinone	166	C10H14O2	001948-33-0	72





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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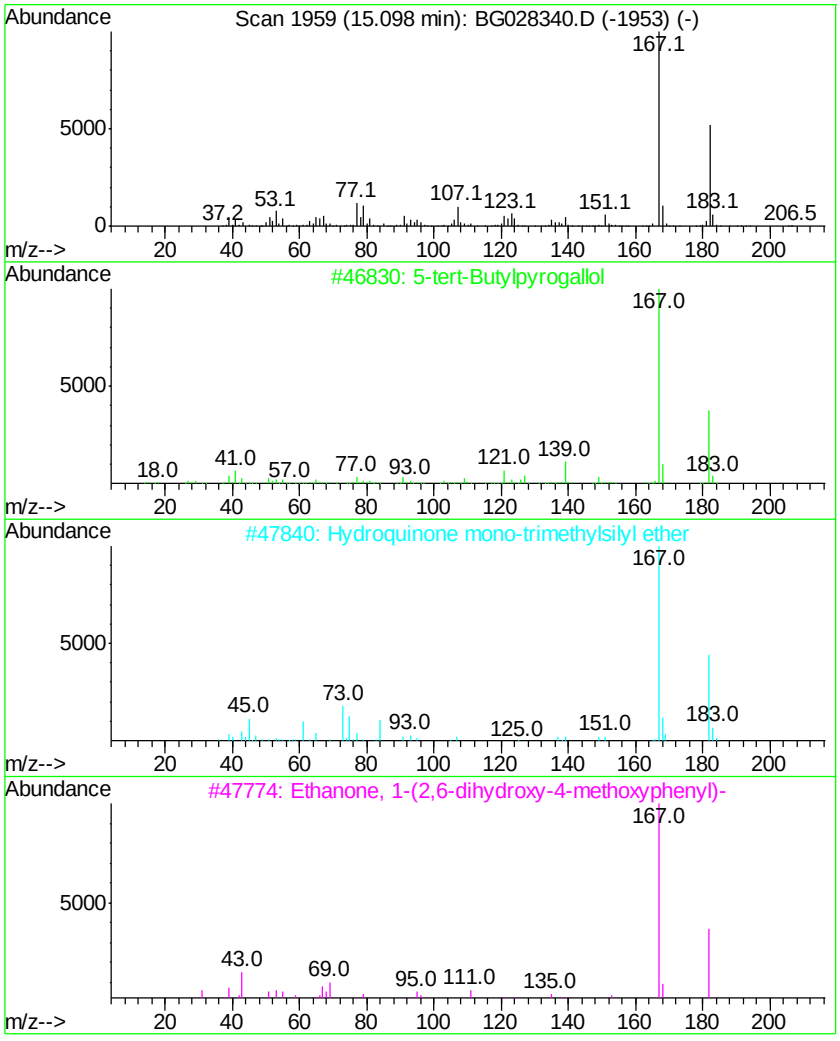
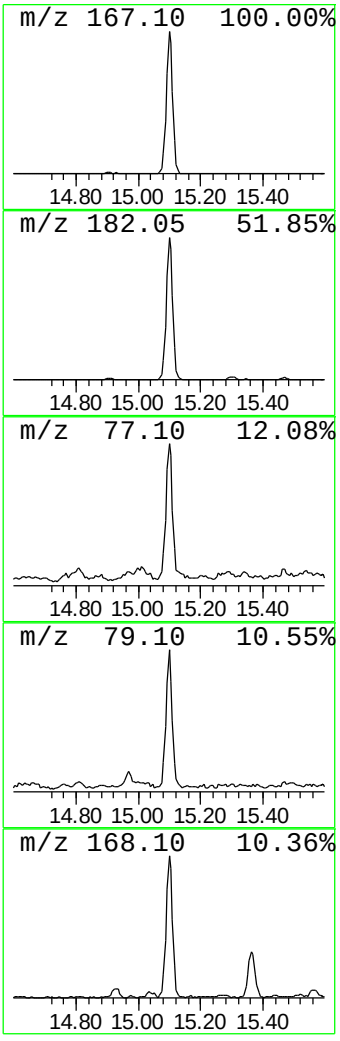
Peak Number 10 5-tert-Butylpyrogallol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	50.51 ng/ul	2331730	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-tert-Butylpyrogallol	182	C10H14O3	020481-17-8	64
2	Hydroquinone mono-trimethylsilyl...	182	C9H14O2Si	017881-87-7	64
3	Ethanone, 1-(2,6-dihydroxy-4-met...	182	C9H10O4	007507-89-3	59
4	Benzene, 1,1'-ethylidenebis-	182	C14H14	000612-00-0	50
5	1,3-Benzodioxole, 5-nitro-	167	C7H5NO4	002620-44-2	43





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Quant Title : SVOA CALIBRATION

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

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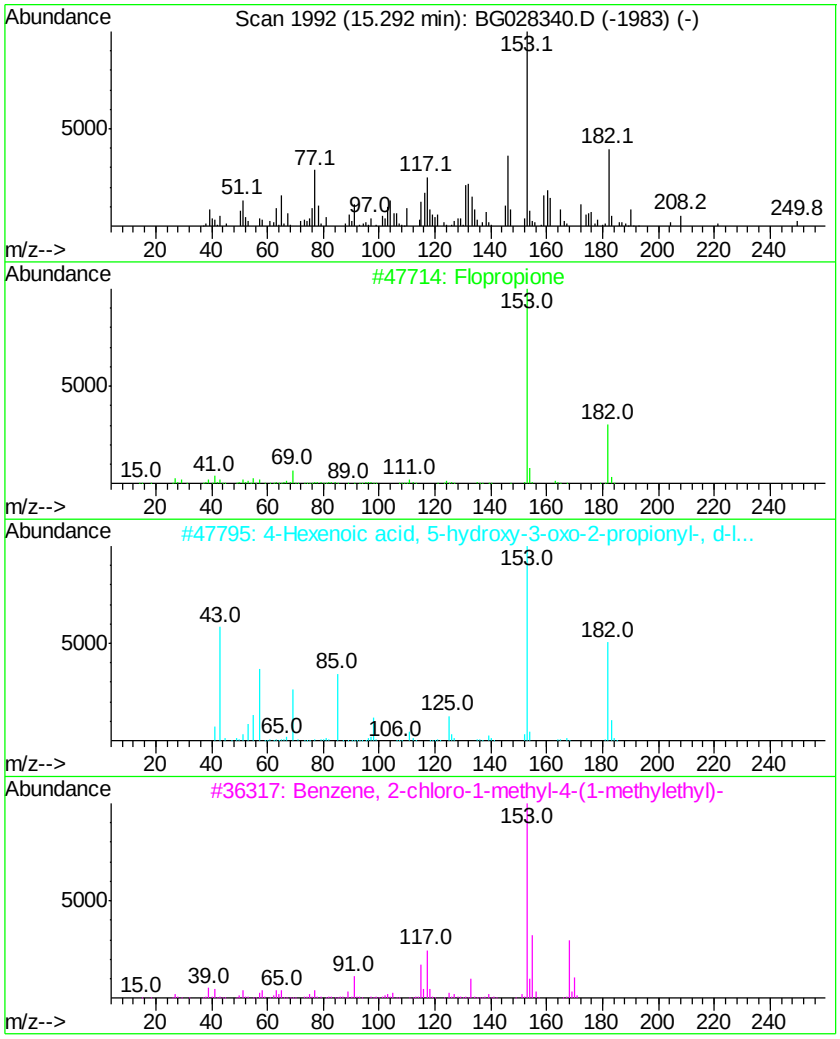
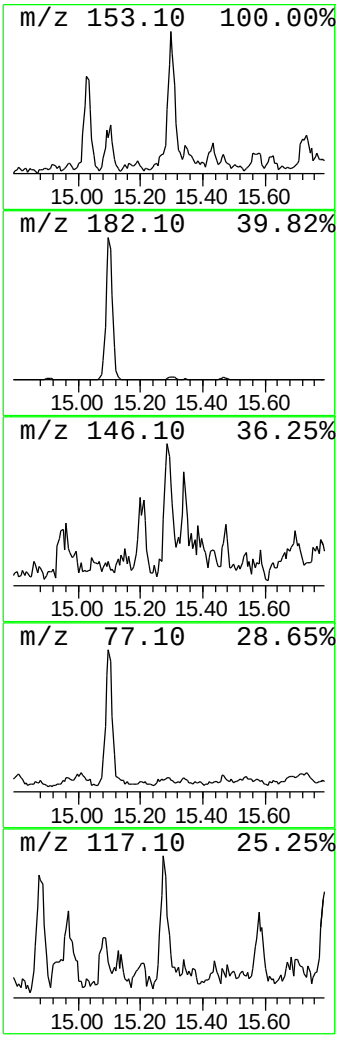
Peak Number 11 unknown-02 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	4.74 ng/ul	218901	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Flopropione	182	C9H10O4	002295-58-1	43
2	4-Hexenoic acid, 5-hydroxy-3-oxo...	182	C9H10O4	057275-99-7	38
3	Benzene, 2-chloro-1-methyl-4-(1-...	168	C10H13Cl	004395-79-3	27
4	5-Methyl-2-nitrophenol	153	C7H7NO3	000700-38-9	22
5	5-Methyl-2-nitrophenol	153	C7H7NO3	000700-38-9	22





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Instrument : BNA_G
ClientSampleId : C0AA8

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Quant Title : SVOA CALIBRATION

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

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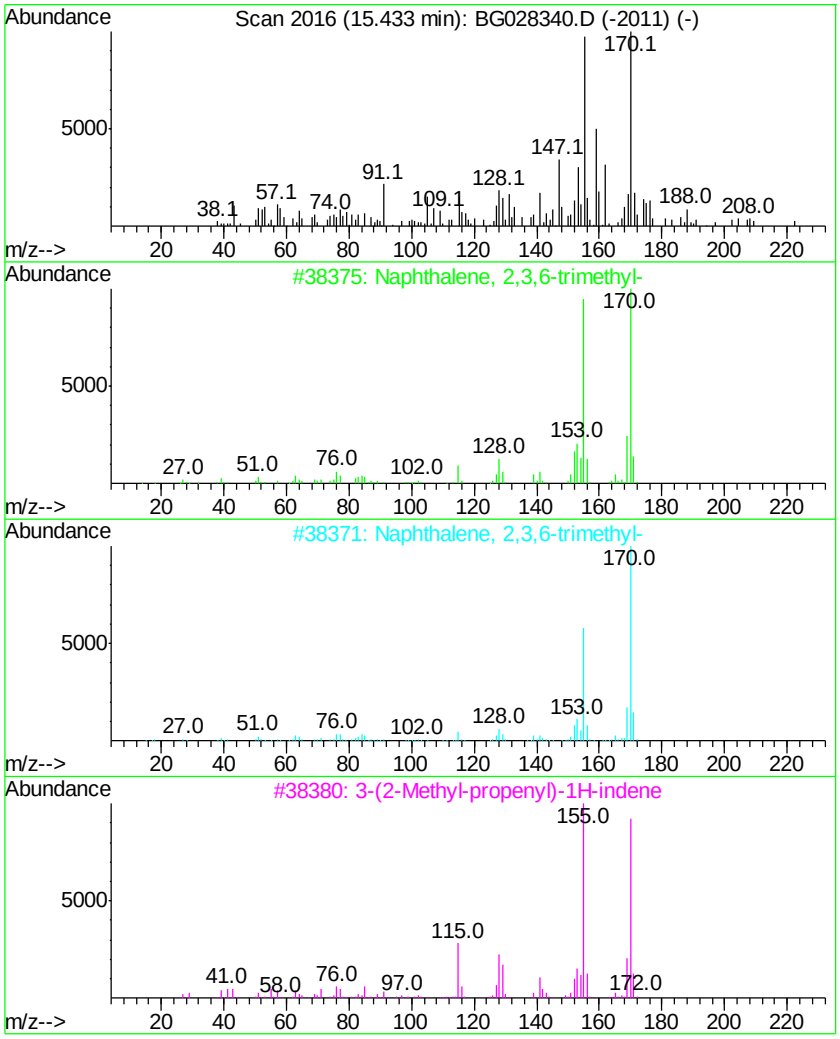
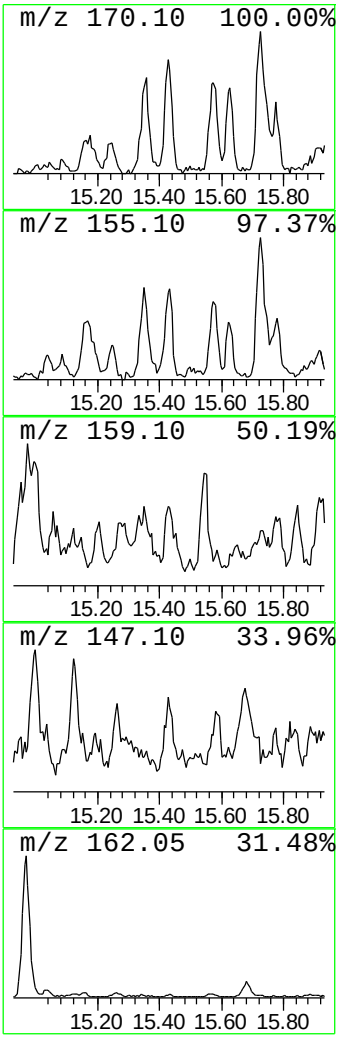
Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	2.18 ng/ul	100547	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	83
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	64
3	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	64
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	60
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	60





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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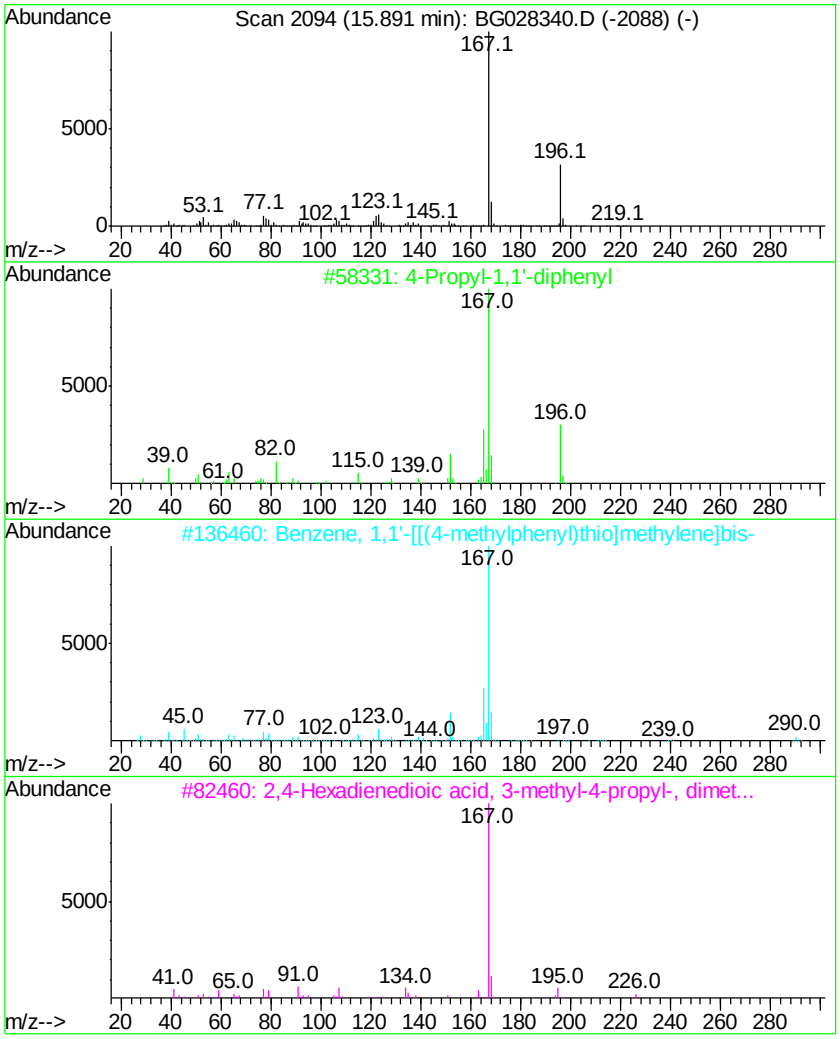
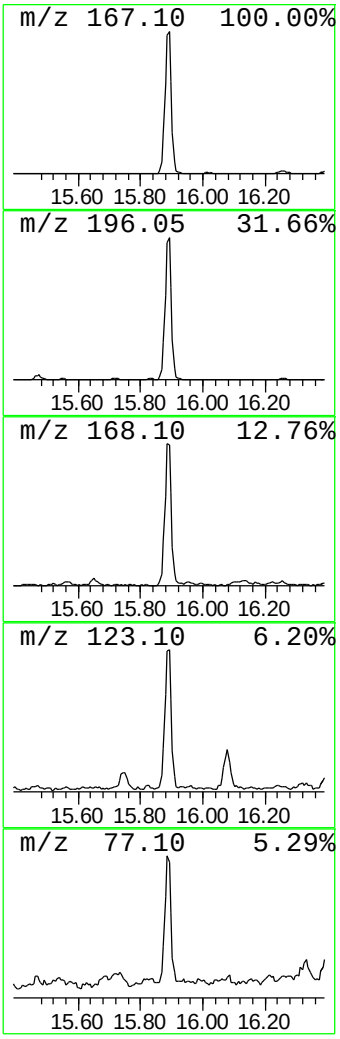
Peak Number 15 4-Propyl-1,1'-diphenyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	53.12 ng/ul	2452460	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Propyl-1,1'-diphenyl	196	C15H16	010289-45-9	64
2	Benzene, 1,1'-[[(4-methylphenyl)...	290	C20H18S	032110-49-9	36
3	2,4-Hexadienedioic acid, 3-methy...	226	C12H18O4	069796-13-0	36
4	1-Isopropoxy-2-dimethyl-(isoprop...	252	C14H24O2Si	1000292-67-4	33
5	Benzene, 1-[bis(methylthio)methy...	214	C10H14OS2	030038-29-0	33





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Quant Title : SVOA CALIBRATION

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

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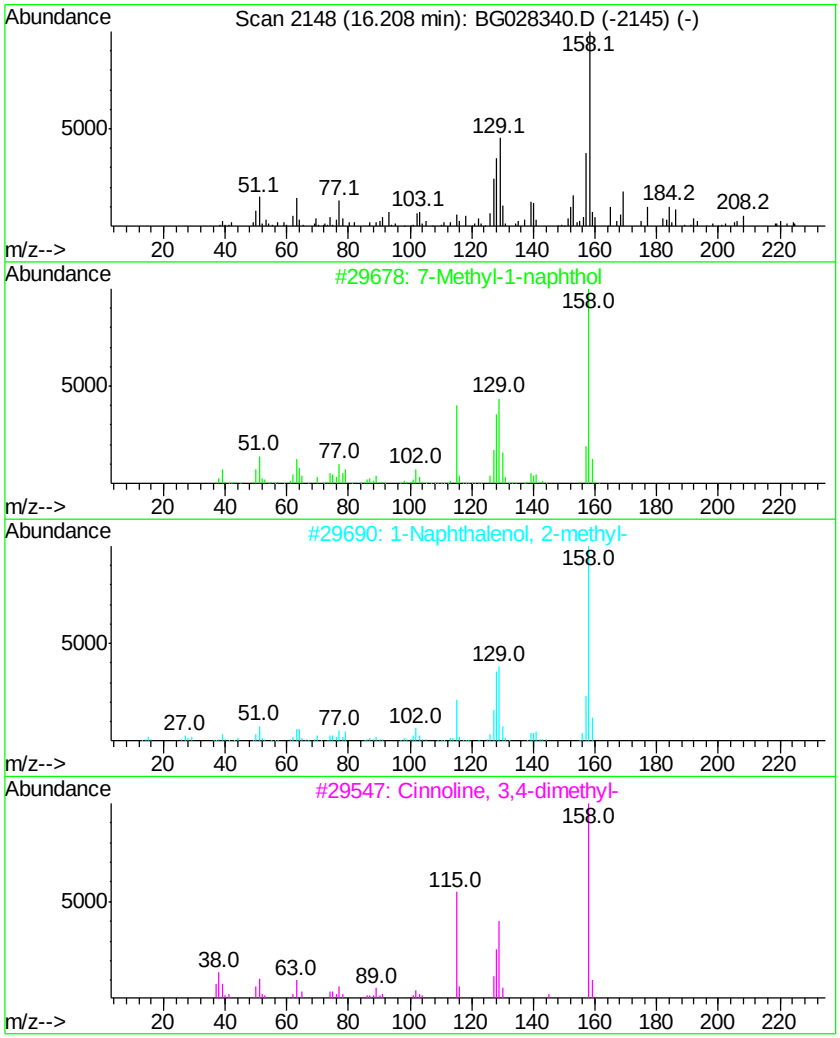
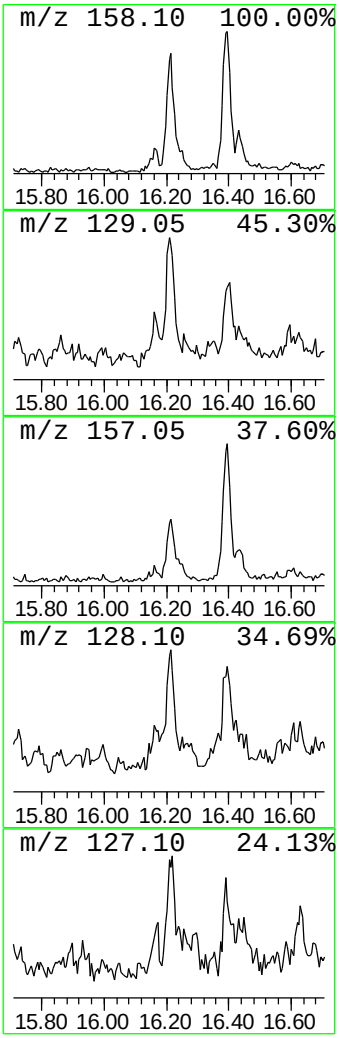
Peak Number 16 7-Methyl-1-naphthol Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	2.89 ng/ul	133504	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methyl-1-naphthol	158	C11H10O	006939-33-9	86
2	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	70
3	Cinnoline, 3,4-dimethyl-	158	C10H10N2	003929-83-7	52
4	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	50
5	1-Naphthalenol, 4-methyl-	158	C11H10O	010240-08-1	49





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ClientSampleId : C0AA8

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Quant Title : SVOA CALIBRATION

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

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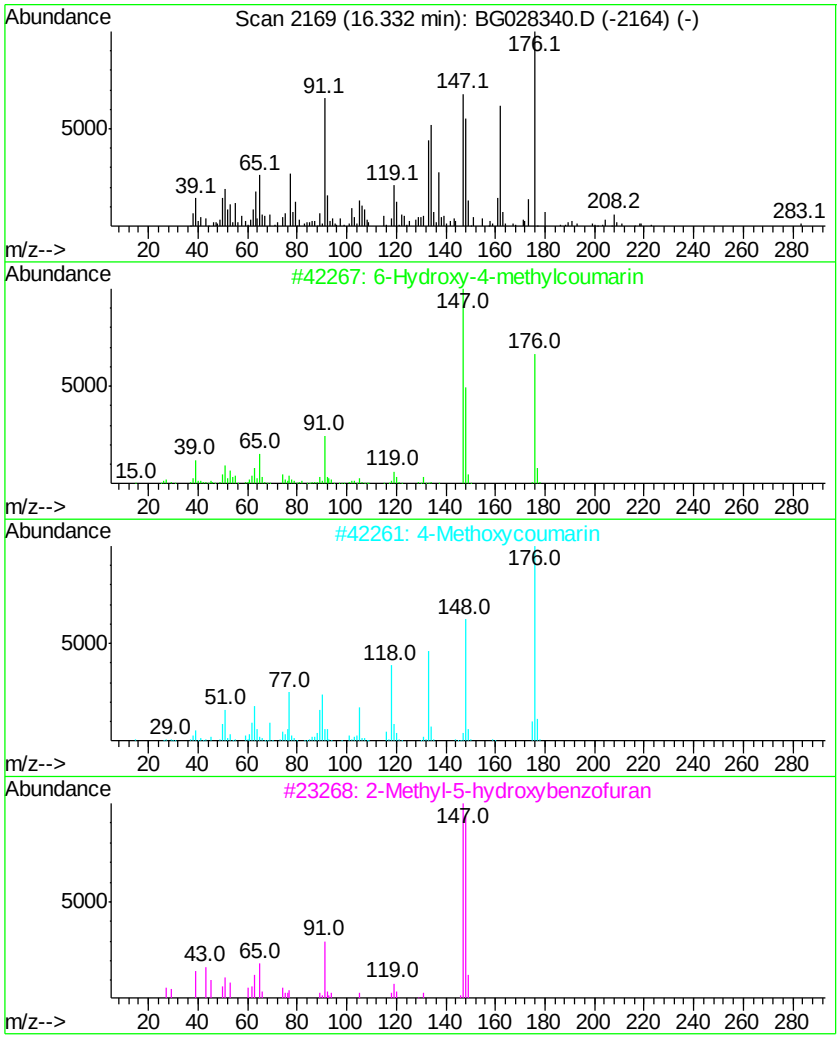
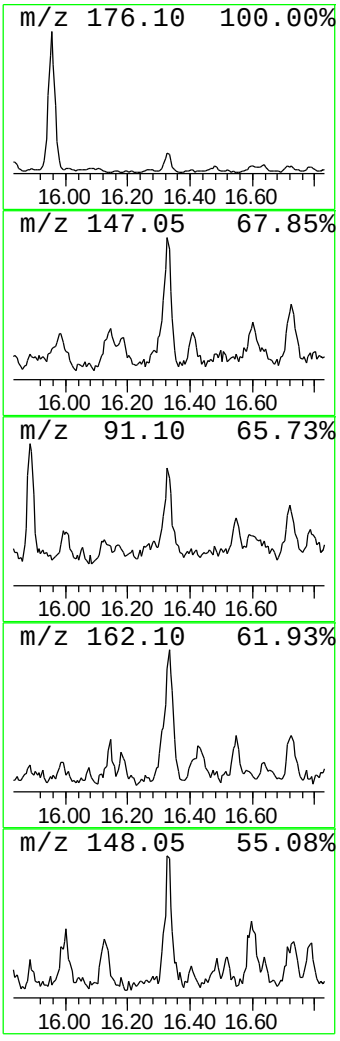
Peak Number 17 unknown-03 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	5.96 ng/ul	274954	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Hydroxy-4-methylcoumarin	176	C10H8O3	002373-31-1	49
2	4-Methoxycoumarin	176	C10H8O3	020280-81-3	43
3	2-Methyl-5-hydroxybenzofuran	148	C9H8O2	006769-56-8	38
4	7-Hydroxy-2-methyl-4H-1-benzopyr...	176	C10H8O3	006320-42-9	38
5	3,4-Dihydrocoumarin, 7,8-dimethyl-	176	C11H12O2	040614-32-2	38





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Quant Title : SVOA CALIBRATION

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

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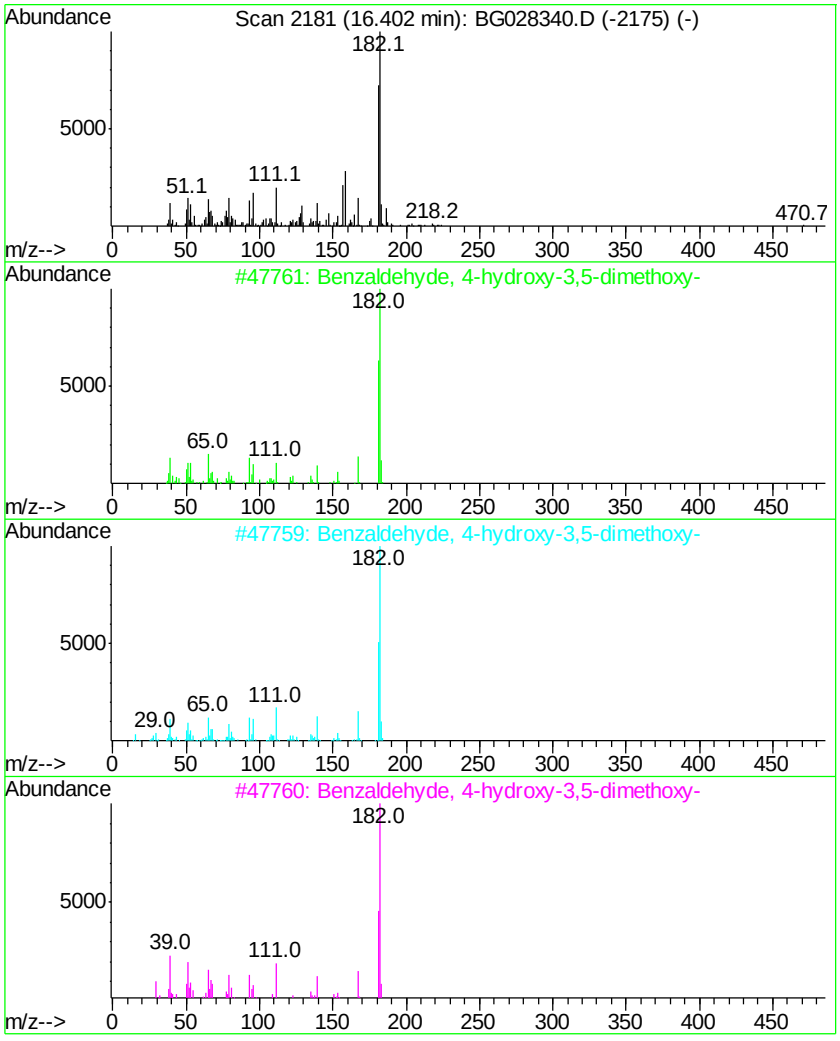
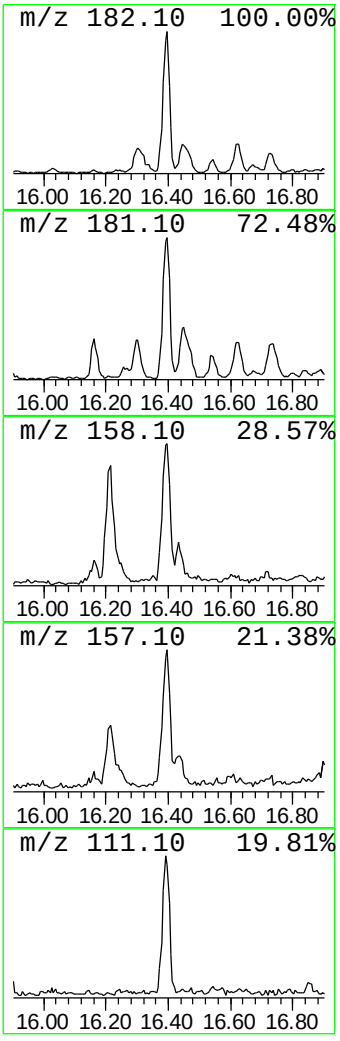
Peak Number 18 Benzaldehyde, 4-hydroxy-3,5... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	8.66 ng/ul	659018	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	93
2	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	92
3	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	89
4	3,4-Dimethoxy-5-hydroxybenzaldehyde	182	C9H10O4	029865-90-5	46
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	43





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ClientSampleId : C0AA8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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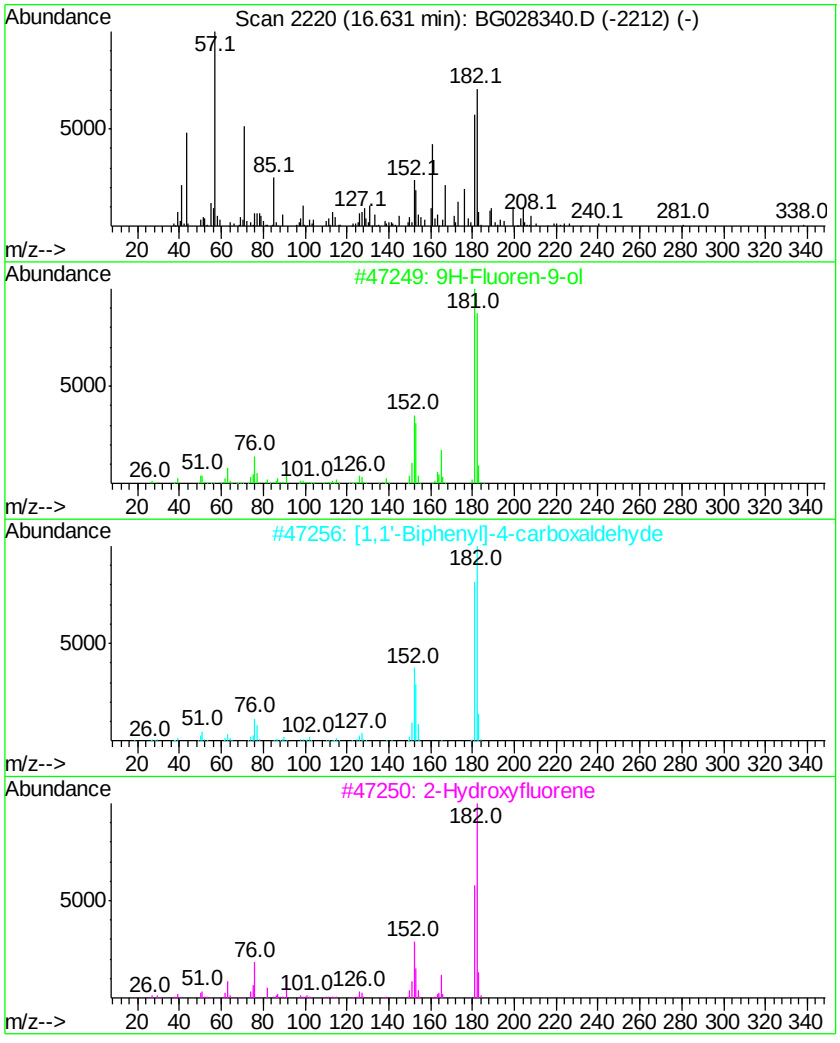
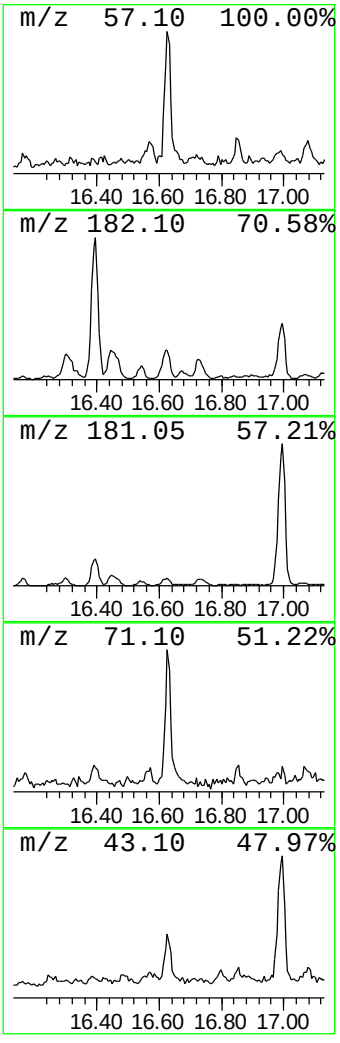
Peak Number 19 9H-Fluoren-9-ol Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	4.91 ng/ul	373255	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	55
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	55
3	2-Hydroxyfluorene	182	C13H10O	002443-58-5	46
4	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	45
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028340.D
Acq On : 15 Aug 2017 12:12
Operator : SJ/JU
Sample : I4504-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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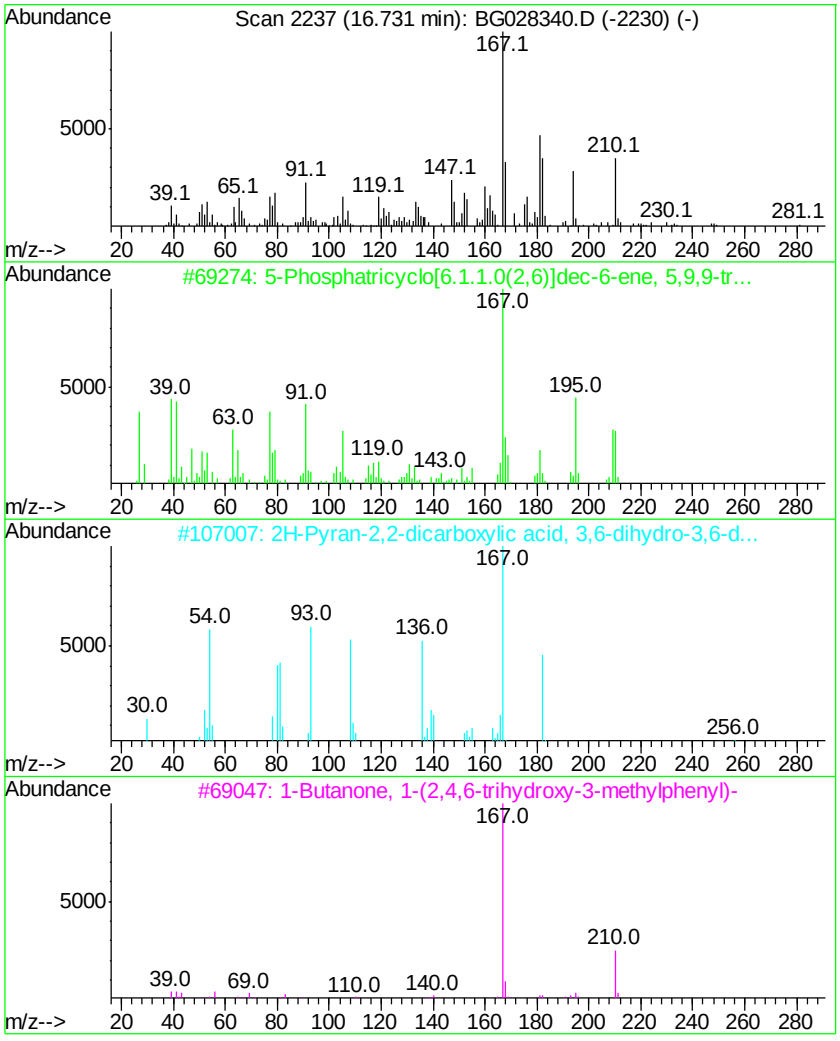
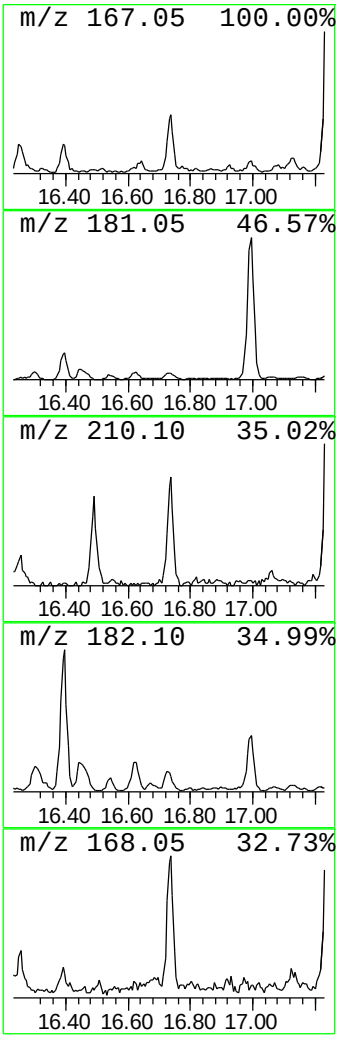
Peak Number 20 unknown-04 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	4.85 ng/ul	368959	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Phosphatricyclo[6.1.1.0(2,6)]d...	210	C12H19OP	1000151-47-8	38
2	2H-Pyran-2,2-dicarboxylic acid, ...	256	C13H20O5	036736-31-9	35
3	1-Butanone, 1-(2,4,6-trihydroxy-...	210	C11H14O4	001509-06-4	35
4	Benzene, 1,1'-ethylidenebis-	182	C14H14	000612-00-0	35
5	Desaspidinol	210	C11H14O4	000437-72-9	30





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

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Quant Title : SVOA CALIBRATION

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

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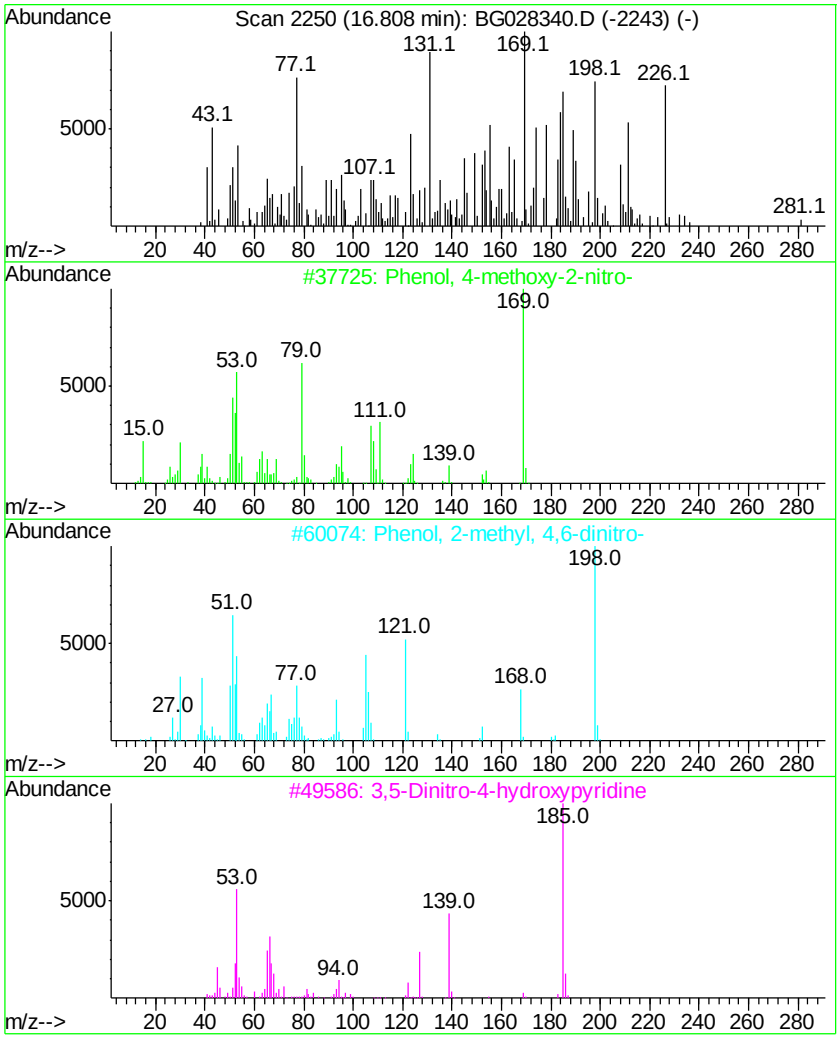
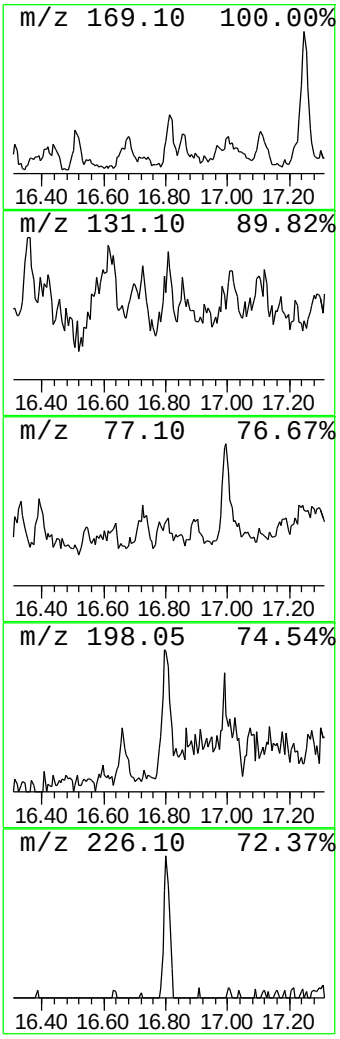
Peak Number 21 unknown-05 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	3.00 ng/ul	228640	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-methoxy-2-nitro-	169	C7H7NO4	001568-70-3	22
2	Phenol, 2-methyl, 4,6-dinitro-	198	C7H6N2O5	000534-52-1	22
3	3,5-Dinitro-4-hydroxypyridine	185	C5H3N3O5	010425-71-5	18
4	Methyl(ethenyl)bis(but-3-en-1-yn...	172	C11H12Si	017998-69-5	12
5	Phenol, 2-methyl-3,5-dinitro-	198	C7H6N2O5	000497-56-3	12





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

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Quant Title : SVOA CALIBRATION

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

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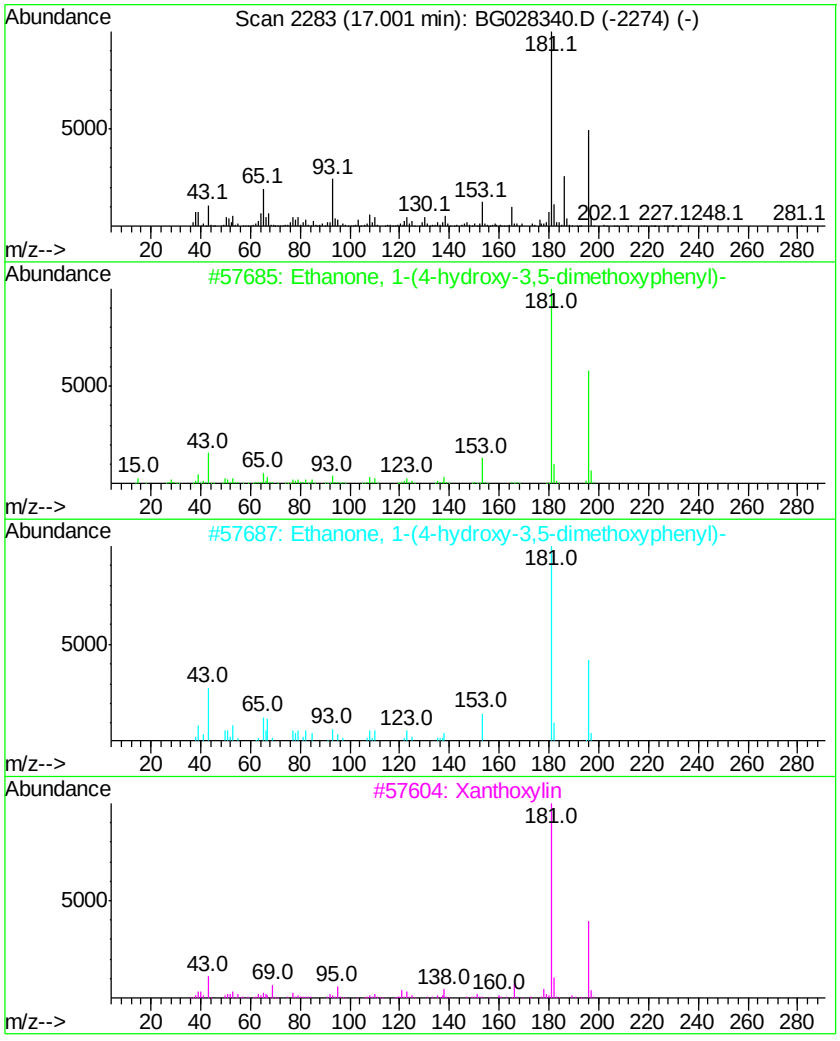
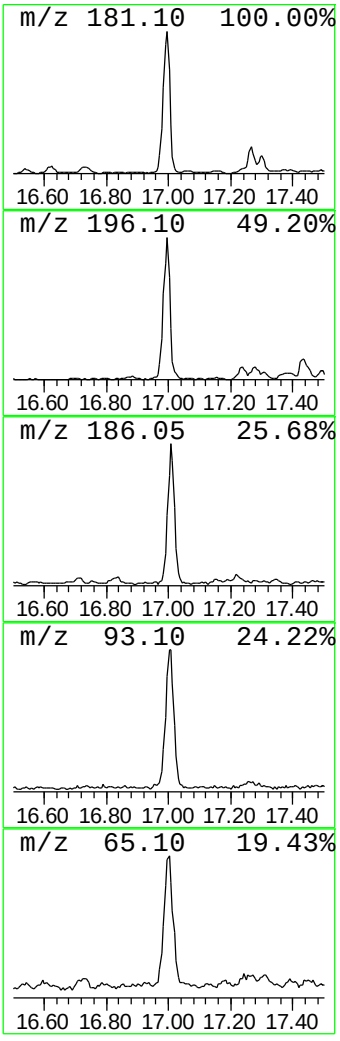
Peak Number 22 Ethanone, 1-(4-hydroxy-3,5-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	26.04 ng/ul	1981400	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(4-hydroxy-3,5-dimet...	196	C10H12O4	002478-38-8	95
2	Ethanone, 1-(4-hydroxy-3,5-dimet...	196	C10H12O4	002478-38-8	91
3	Xanthoxylin	196	C10H12O4	000090-24-4	83
4	Ethanone, 1-(4-hydroxy-3,5-dimet...	196	C10H12O4	002478-38-8	81
5	Ethanone, 1-[1,1'-biphenyl]-4-yl-	196	C14H12O	000092-91-1	64





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Sample : I4504-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

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Quant Title : SVOA CALIBRATION

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

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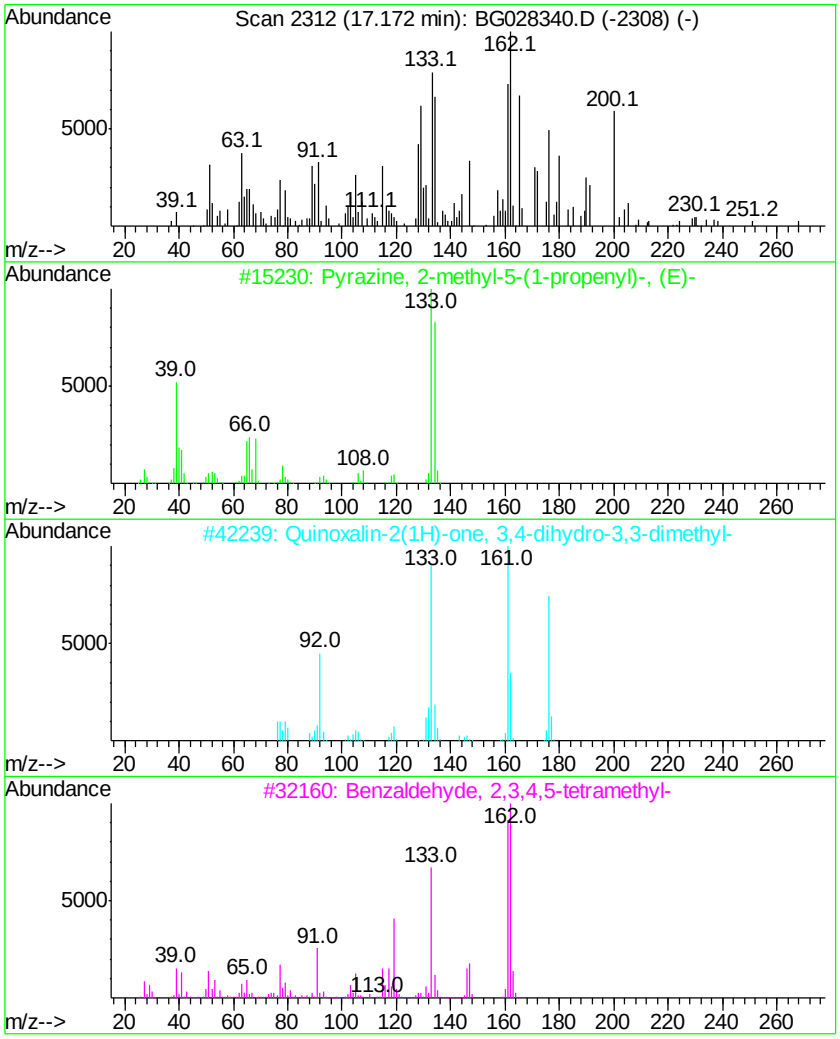
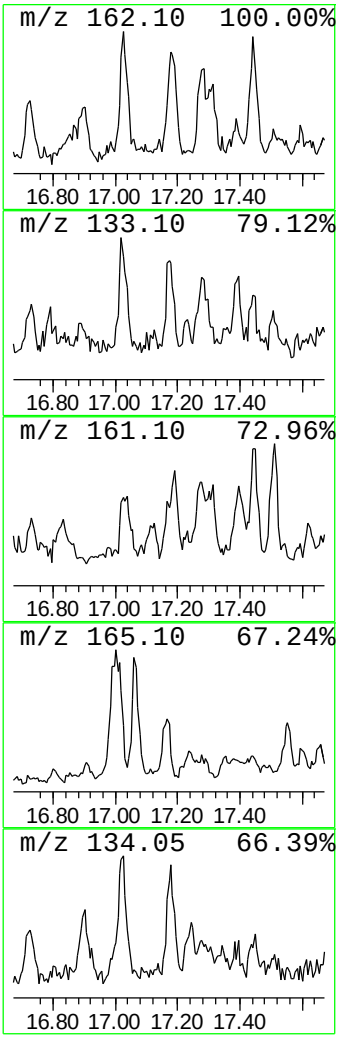
Peak Number 23 unknown-06 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	2.51 ng/ul	190835	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrazine, 2-methyl-5-(1-propenyl...	134	C8H10N2	018217-82-8	38
2	Quinoxalin-2(1H)-one, 3,4-dihydr...	176	C10H12N2O	080636-30-2	30
3	Benzaldehyde, 2,3,4,5-tetramethyl-	162	C11H14O	029344-95-4	30
4	Anisole, p-(1-ethylvinyl)-	162	C11H14O	021758-19-0	30
5	3(2H)-Benzofuranone, 6,7-dimethyl-	162	C10H10O2	020895-47-0	25





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

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Quant Title : SVOA CALIBRATION

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

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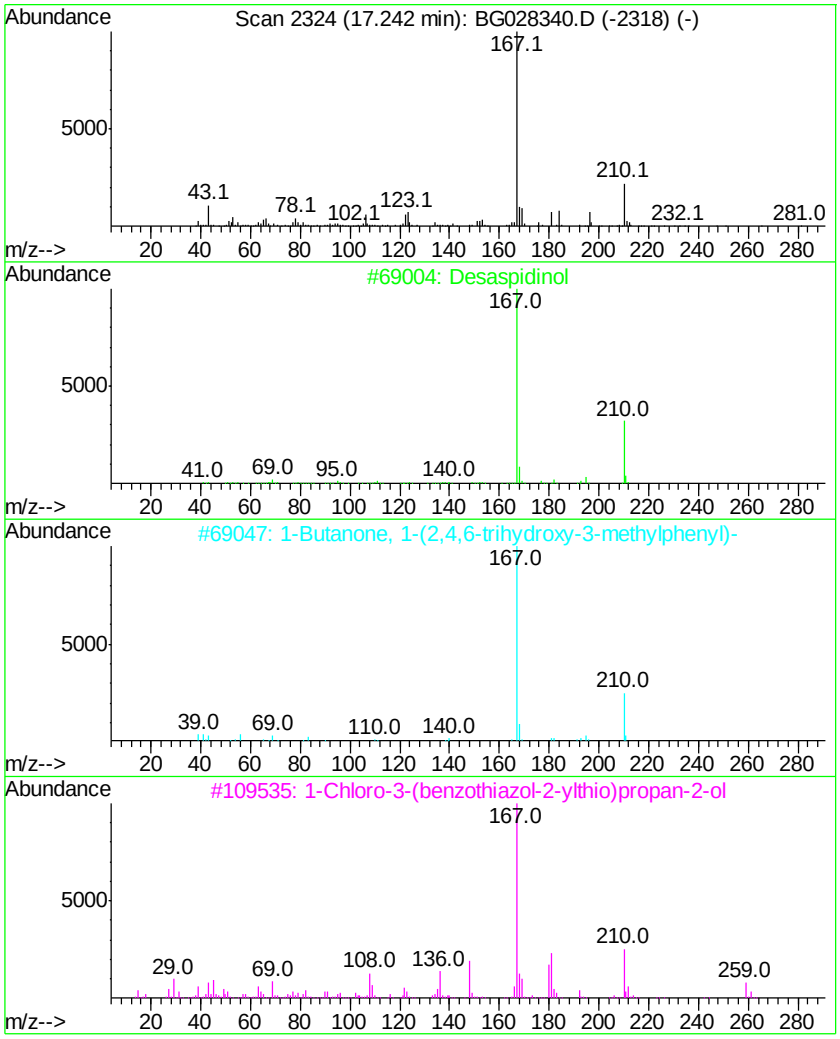
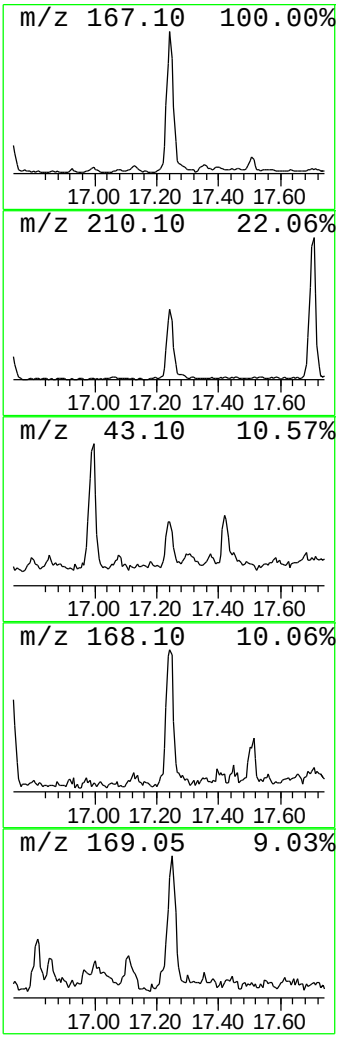
Peak Number 24 Desaspidinol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.24	14.50 ng/ul	1103070	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Desaspidinol	210	C11H14O4	000437-72-9	59
2	1-Butanone, 1-(2,4,6-trihydroxy-...	210	C11H14O4	001509-06-4	59
3	1-Chloro-3-(benzothiazol-2-ylthi...	259	C10H10ClNOS2	013353-68-9	56
4	2-Mercaptobenzothiazole	167	C7H5NS2	000149-30-4	53
5	2-Mercaptobenzothiazole	167	C7H5NS2	000149-30-4	53





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Misc :
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Instrument : BNA_G
ClientSampleId : C0AA8

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Quant Title : SVOA CALIBRATION

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

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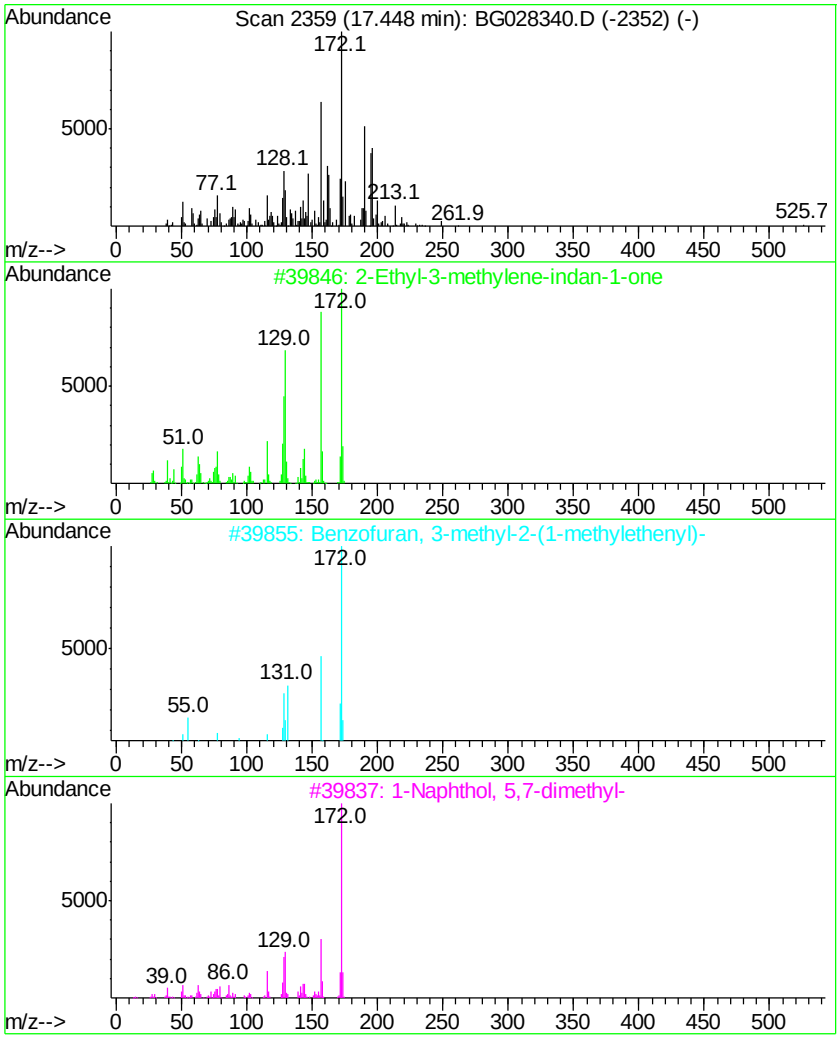
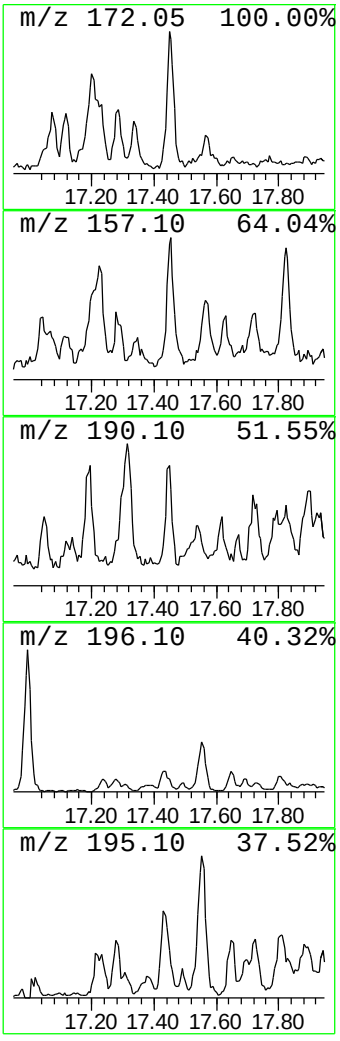
Peak Number 25 2-Ethyl-3-methylene-indan-1... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.45	4.30 ng/ul	327122	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-3-methylene-indan-1-one	172	C12H12O	1000187-41-4	50
2	Benzofuran, 3-methyl-2-(1-methyl...	172	C12H12O	023911-58-2	46
3	1-Naphthol, 5,7-dimethyl-	172	C12H12O	031706-76-0	38
4	1-Naphthol, 6,7-dimethyl-	172	C12H12O	031776-14-4	30
5	Naphthalene, 1,2-dihydro-3,5,8-t...	172	C13H16	030316-18-8	30





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Sample : I4504-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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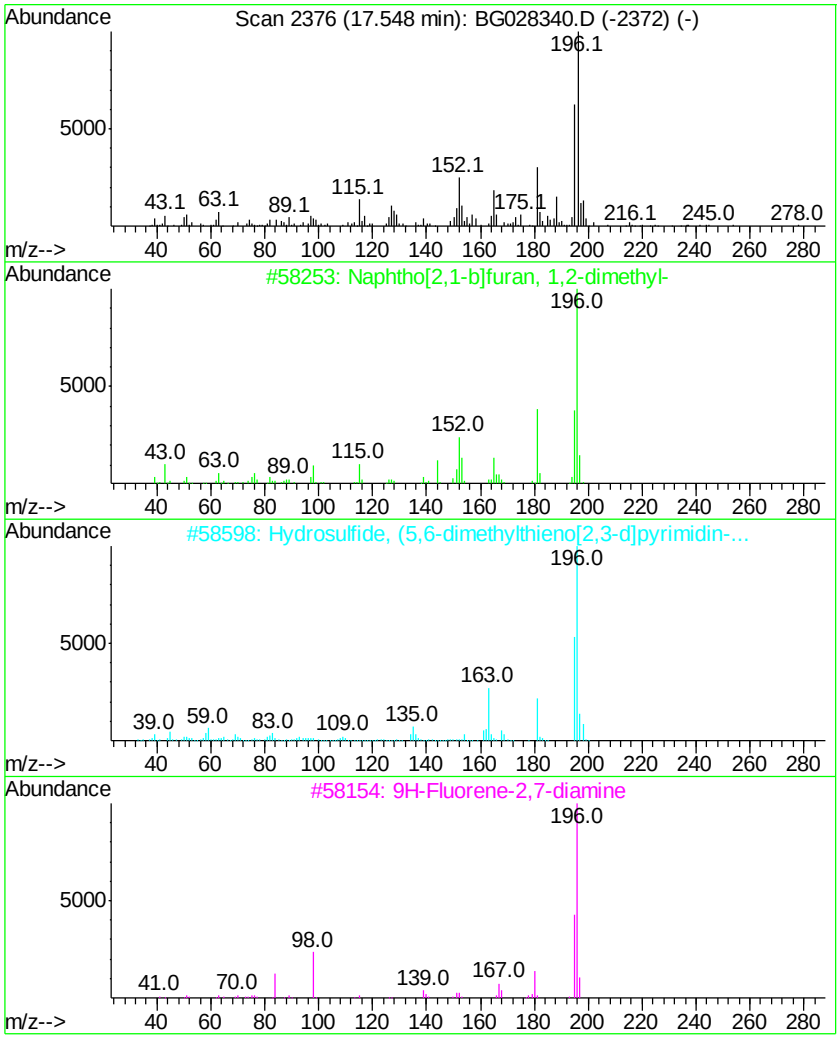
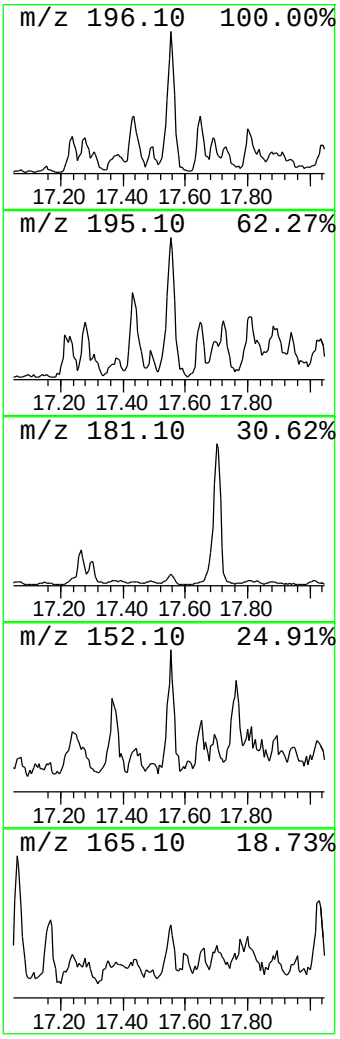
Peak Number 26 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.55	4.70 ng/ul	357461	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	76
2	Hydrosulfide, (5,6-dimethylthien...	196	C8H8N2S2	1000362-41-8	68
3	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	50
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	50
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	50





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Sample : I4504-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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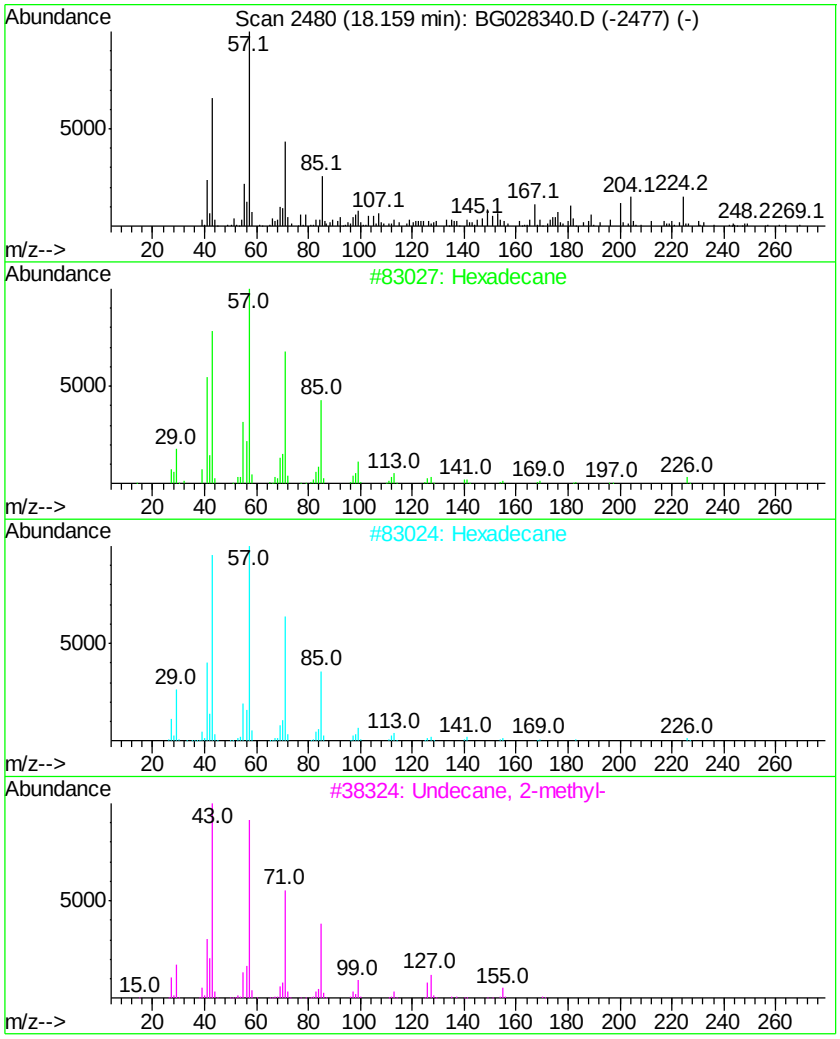
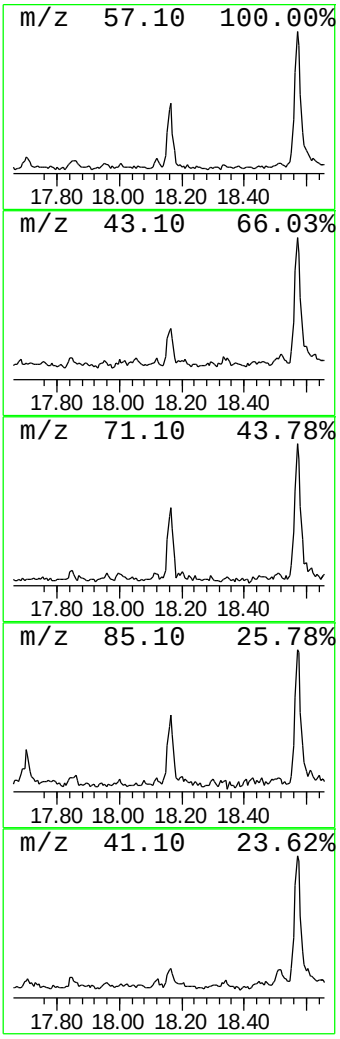
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	2.30 ng/ul	174673	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	78
2	Hexadecane	226	C16H34	000544-76-3	70
3	Undecane, 2-methyl-	170	C12H26	007045-71-8	58
4	Heptadecane, 2,3-dimethyl-	268	C19H40	061868-03-9	58
5	Octacosane	394	C28H58	000630-02-4	58





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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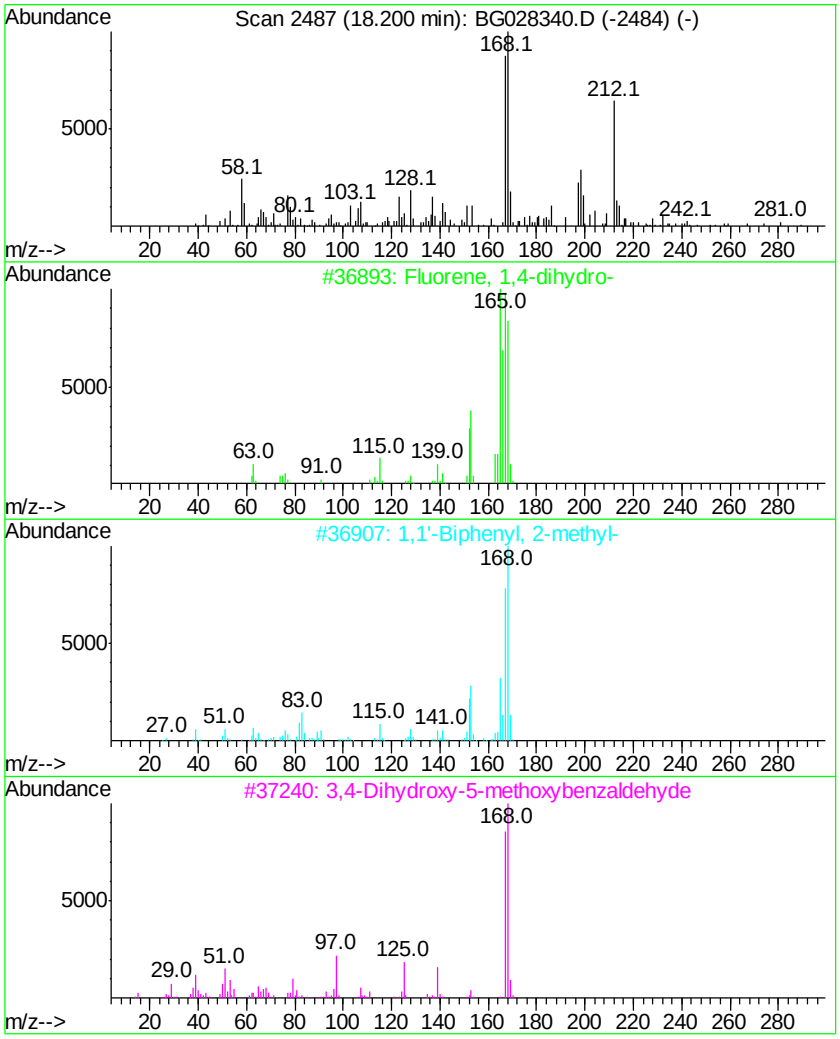
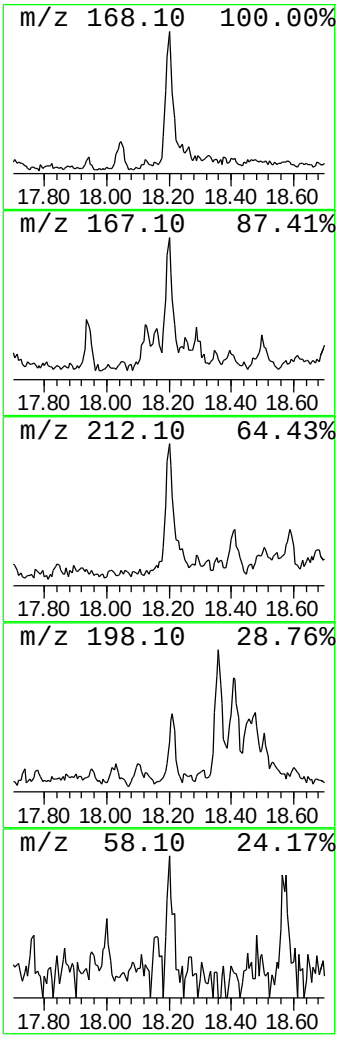
Peak Number 28 unknown-07 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	2.32 ng/ul	176156	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	46
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	43
3	3,4-Dihydroxy-5-methoxybenzaldehyde	168	C8H8O4	003934-87-0	43
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	43
5	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	43





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Sample : I4504-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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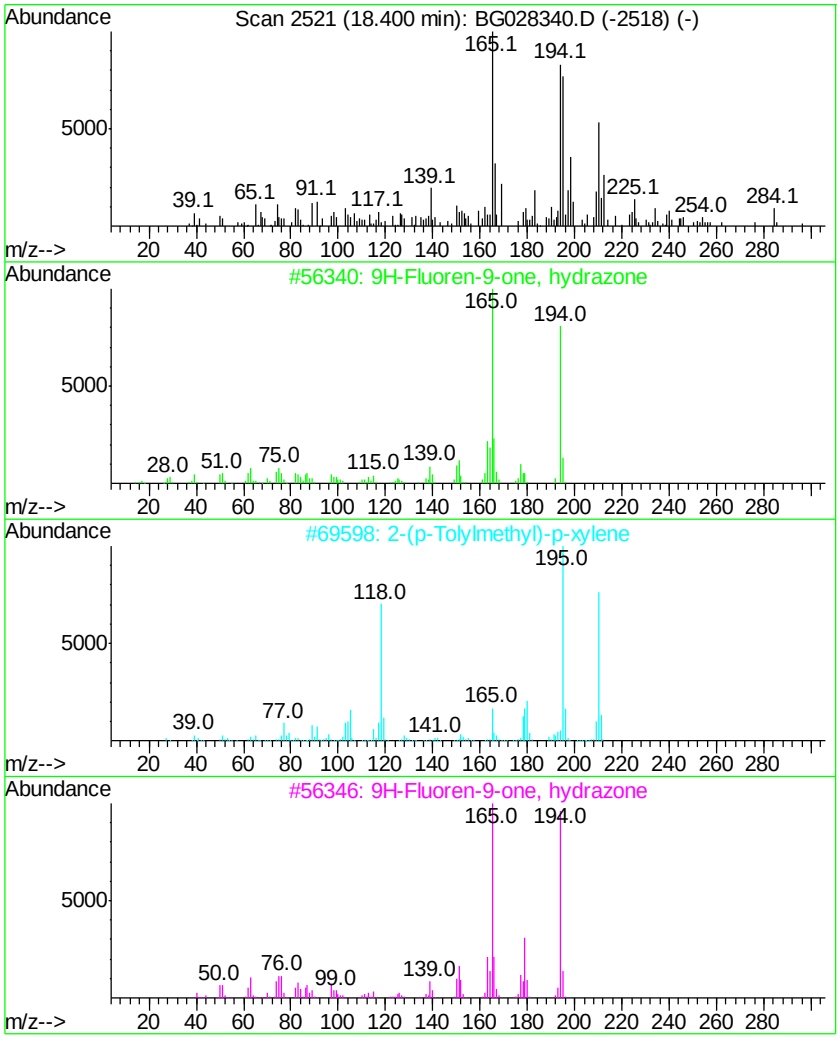
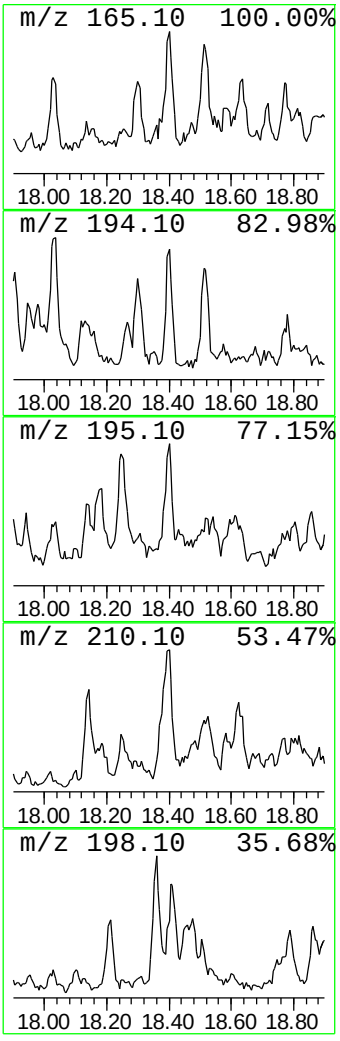
Peak Number 29 9H-Fluoren-9-one, hydrazone Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	3.09 ng/ul	235332	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	50
2	2-(p-Tolylmethyl)-p-xylene	210	C16H18	000721-45-9	38
3	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	38
4	1,1'-Biphenyl, 2,2',5,5'-tetrame...	210	C16H18	003075-84-1	38
5	Silane, dimethyl(3-methylphenoxy...	210	C11H18O2Si	1000347-33-4	30





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Misc :
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Instrument : BNA_G
ClientSampleId : C0AA8

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Quant Title : SVOA CALIBRATION

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

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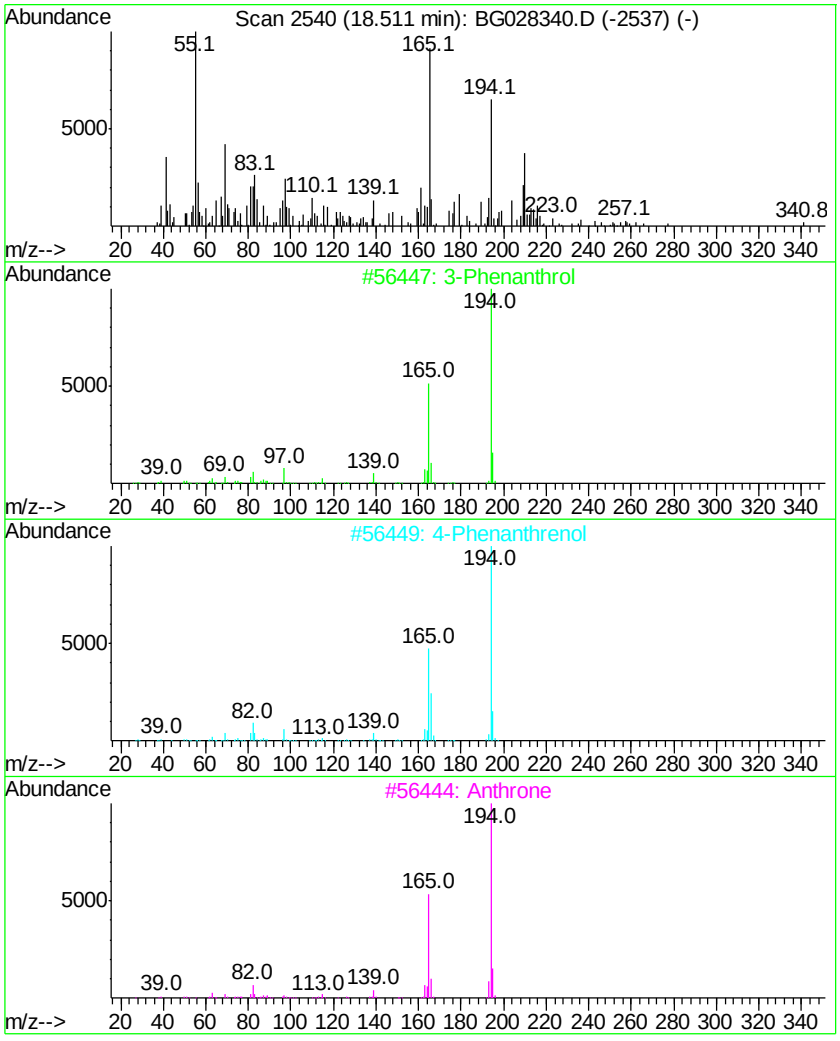
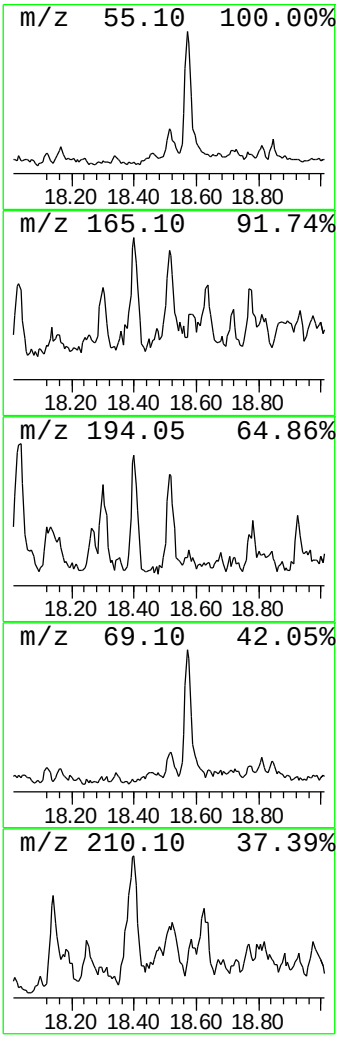
Peak Number 30 3-Phenanthrol Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	2.33 ng/ul	177396	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenanthrol	194	C14H10O	000605-87-8	60
2	4-Phenanthrenol	194	C14H10O	007651-86-7	47
3	Anthrone	194	C14H10O	000090-44-8	46
4	9-Ethylfluorene	194	C15H14	002294-82-8	43
5	2-Benzothiazolamine, 6-ethoxy-	194	C9H10N2OS	000094-45-1	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028340.D
Acq On : 15 Aug 2017 12:12
Operator : SJ/JU
Sample : I4504-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

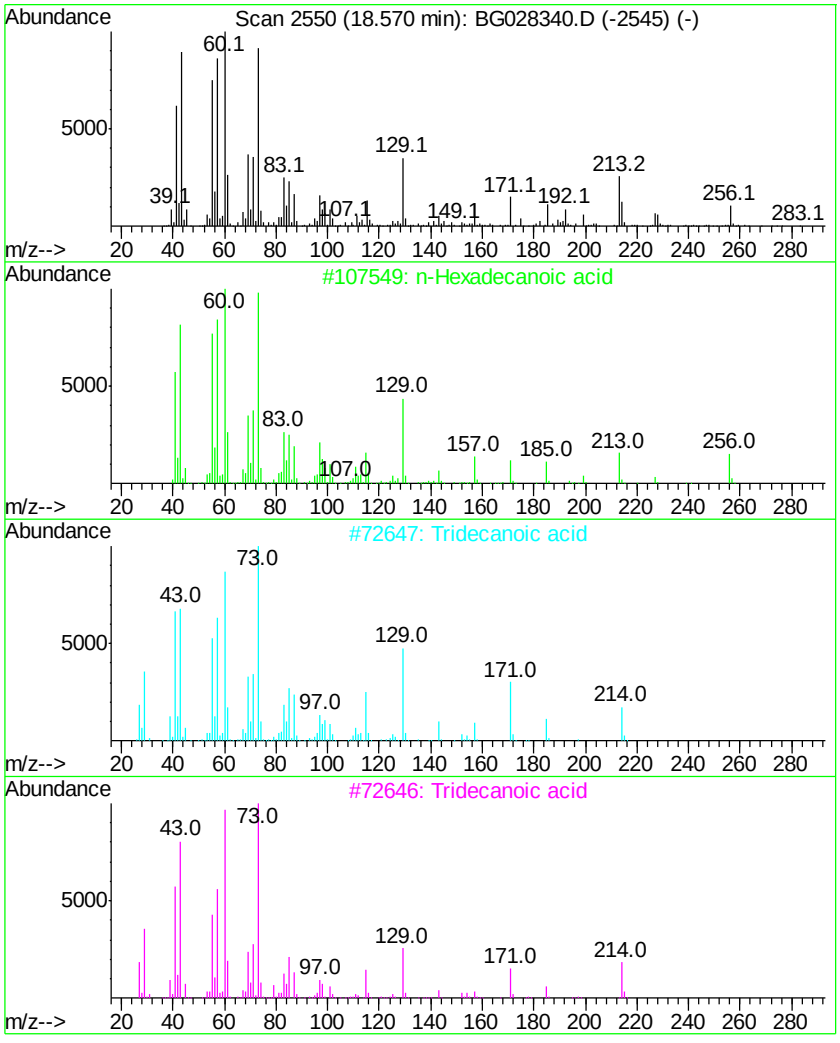
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

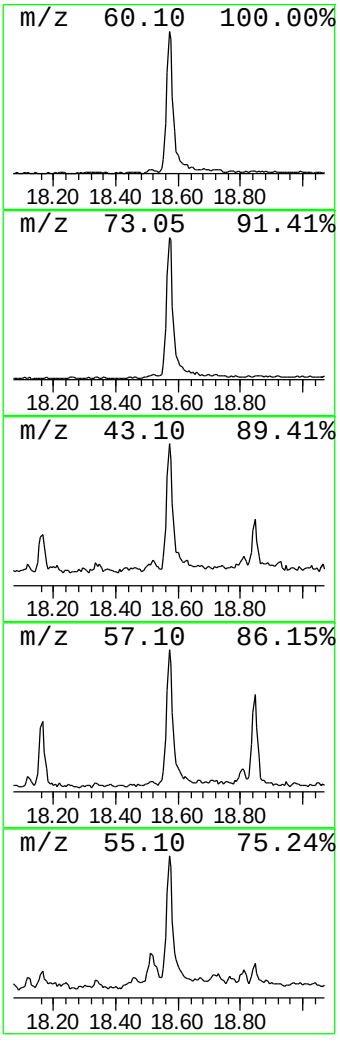
****

Peak Number 31 n-Hexadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	16.46 ng/ul	1252630	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Tridecanoic acid	214	C13H26O2	000638-53-9	95
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	89





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Operator : SJ/JU
Sample : I4504-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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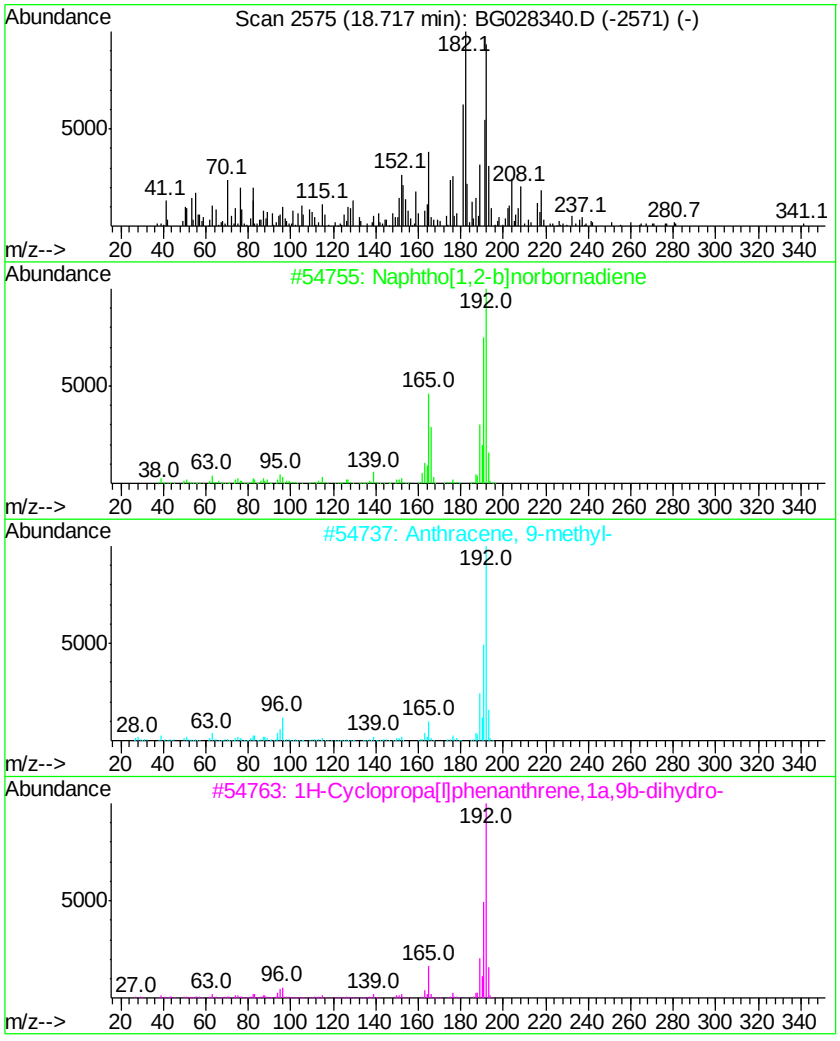
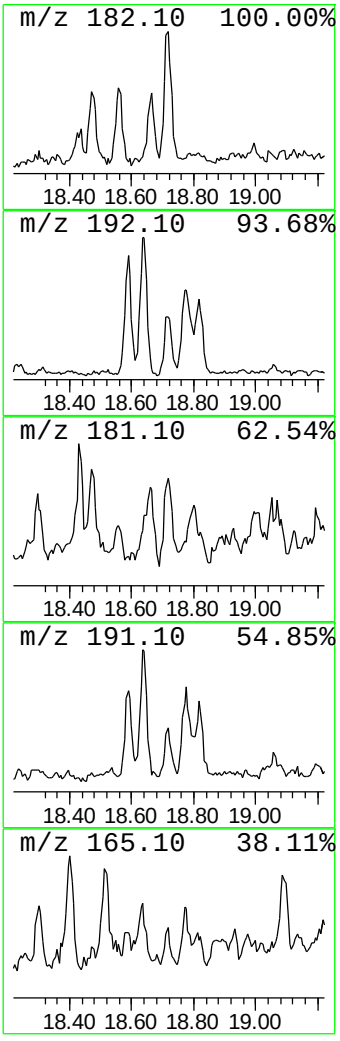
Peak Number 32 unknown-08 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	4.12 ng/ul	313875	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	46
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	46
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	46
4	3,5 (4H,8H)-Dihydro-8-thia-1,3-d...	192	C9H8N2OS	014346-25-9	41
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	38





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028340.D
Acq On : 15 Aug 2017 12:12
Operator : SJ/JU
Sample : I4504-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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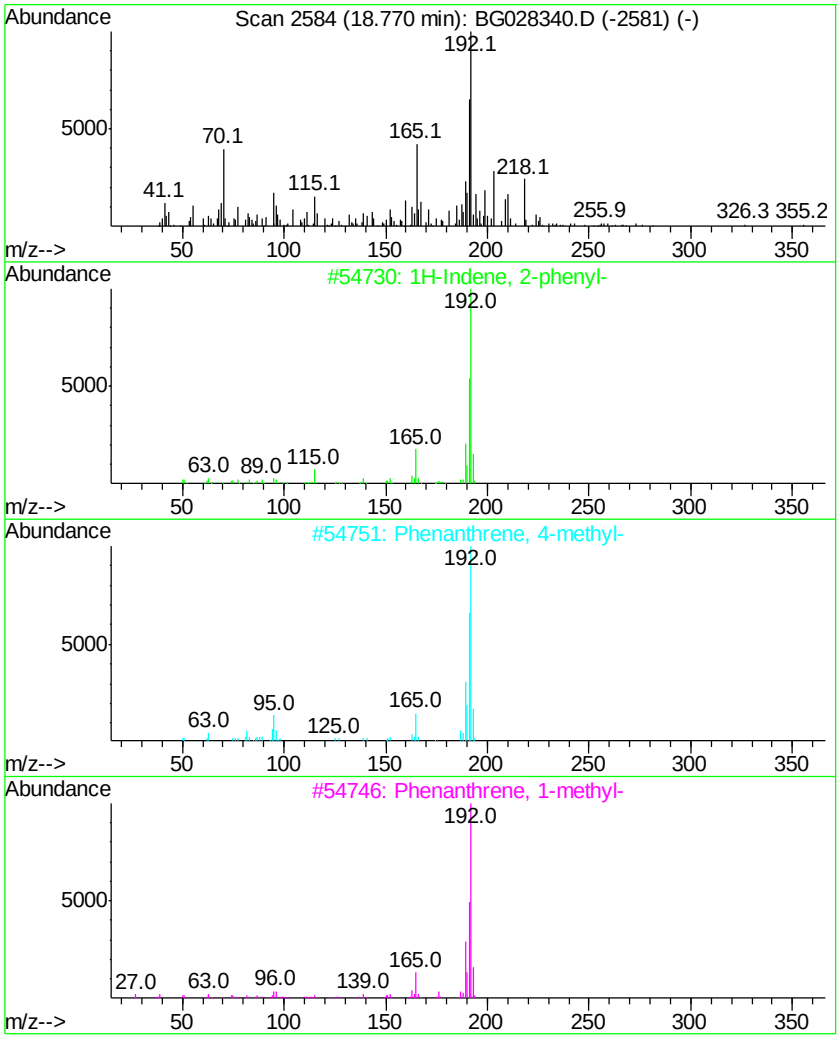
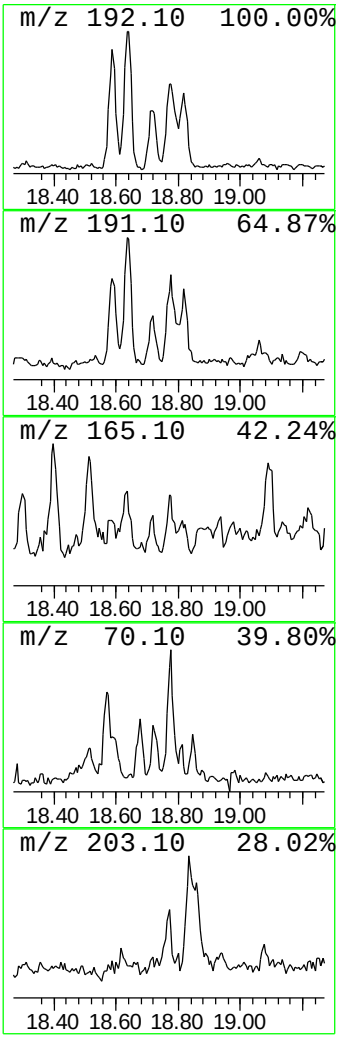
Peak Number 33 1H-Indene, 2-phenyl- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	2.95 ng/ul	224323	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	55
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	55
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	55
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	50





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Data File : BG028340.D
Acq On : 15 Aug 2017 12:12
Operator : SJ/JU
Sample : I4504-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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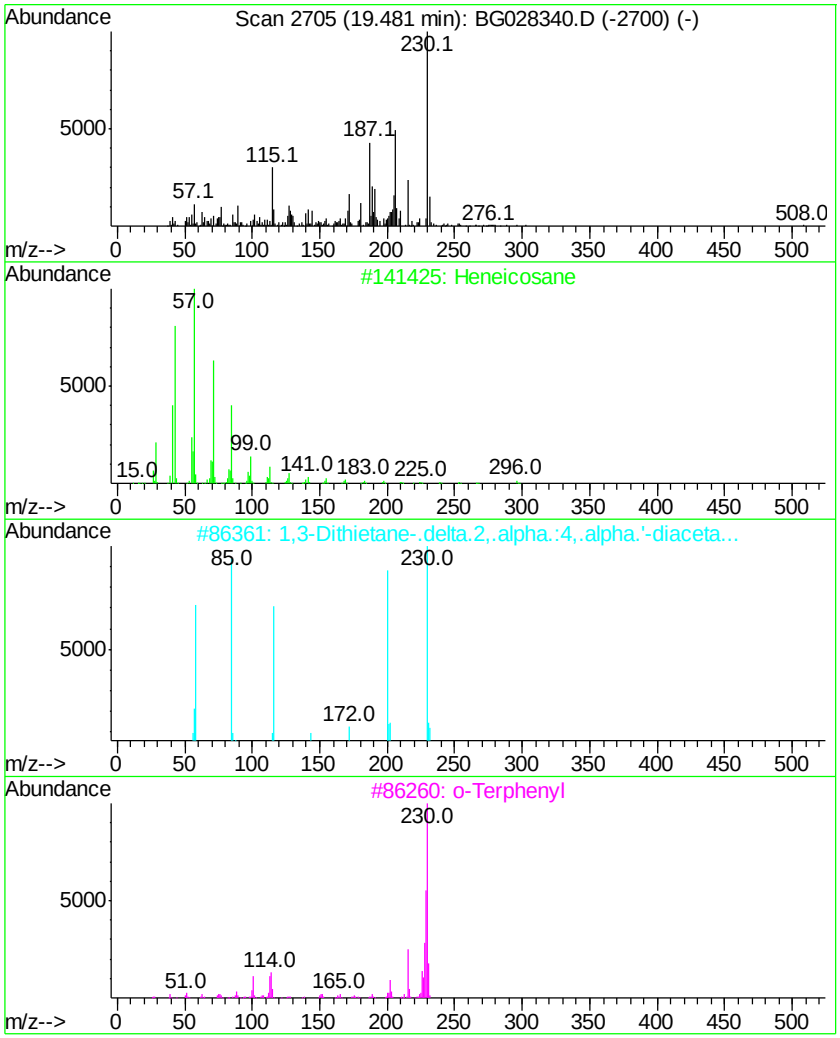
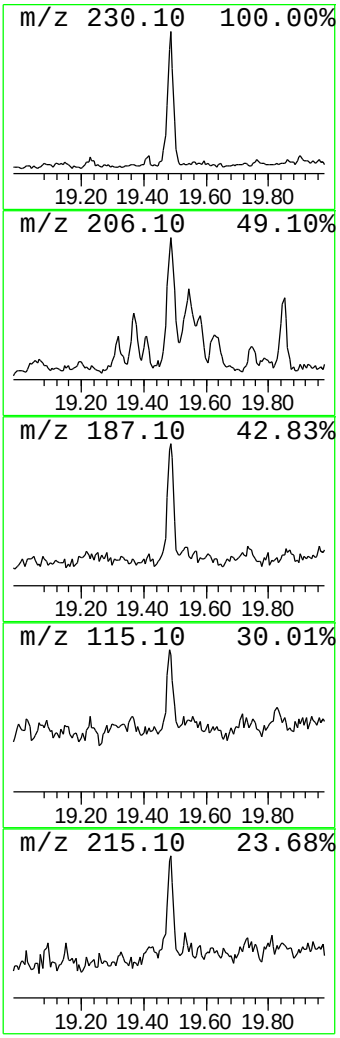
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.48	10.18 ng/ul	774964	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	44
2	1,3-Dithietane-.delta.2,.alpha.:...	230	C8H10N2O2S2	027123-79-1	30
3	o-Terphenyl	230	C18H14	000084-15-1	25
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	25
5	Octadecane	254	C18H38	000593-45-3	25





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028340.D
Acq On : 15 Aug 2017 12:12
Operator : SJ/JU
Sample : I4504-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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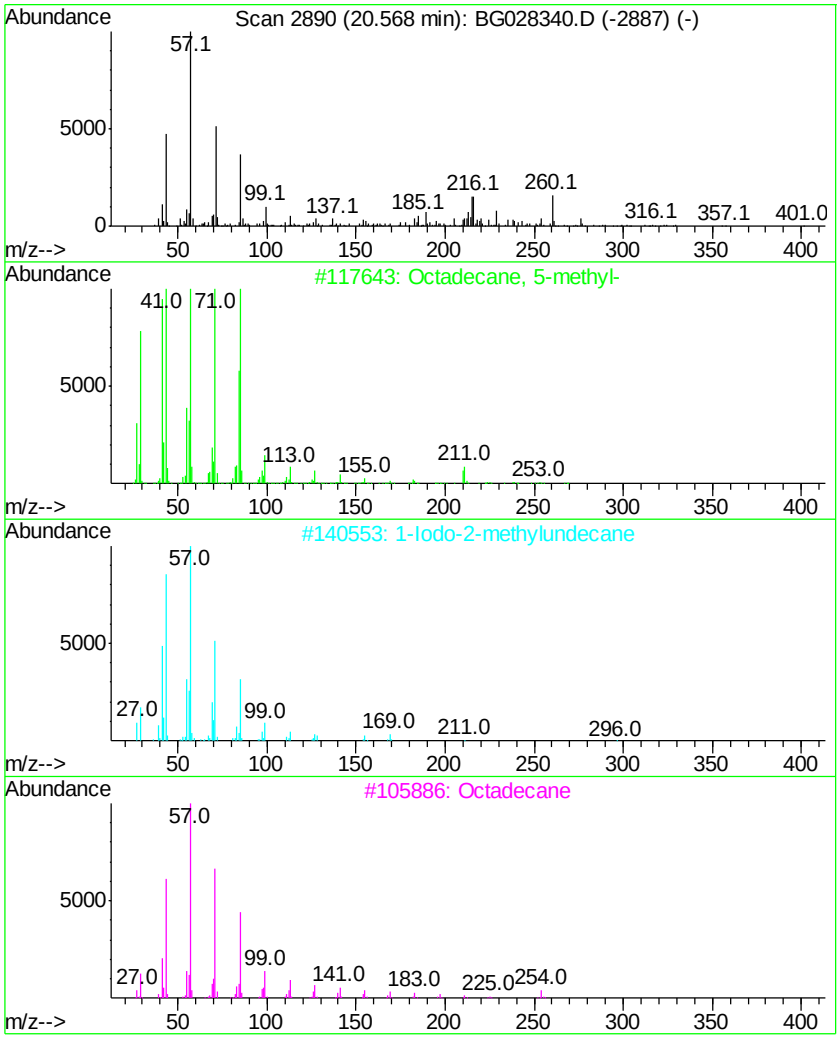
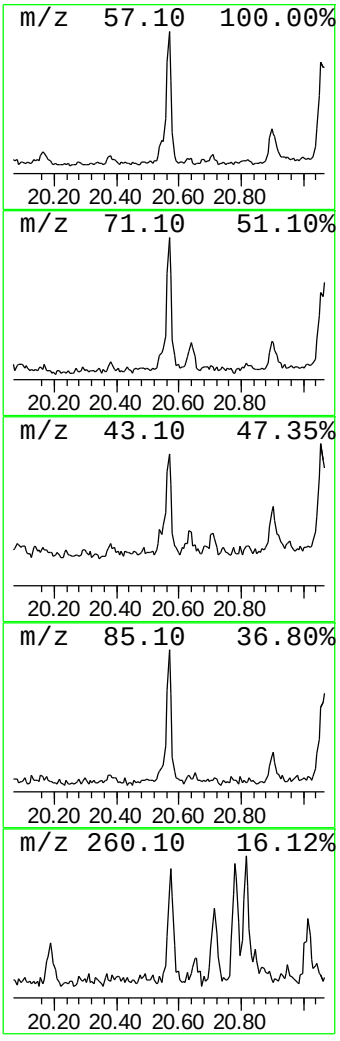
Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.57	6.99 ng/ul	448700	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 5-methyl-	268	C19H40	025117-35-5	45
2	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	45
3	Octadecane	254	C18H38	000593-45-3	43
4	Octadecane	254	C18H38	000593-45-3	43
5	Pentadecane	212	C15H32	000629-62-9	43





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028340.D
Acq On : 15 Aug 2017 12:12
Operator : SJ/JU
Sample : I4504-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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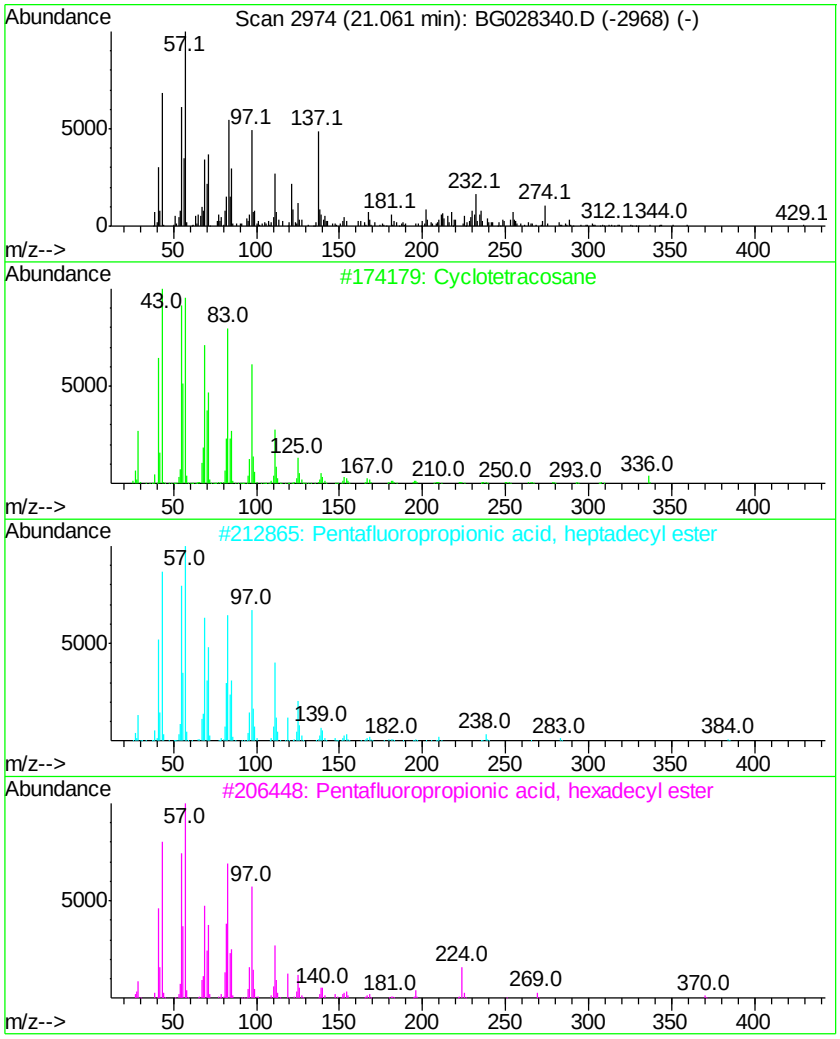
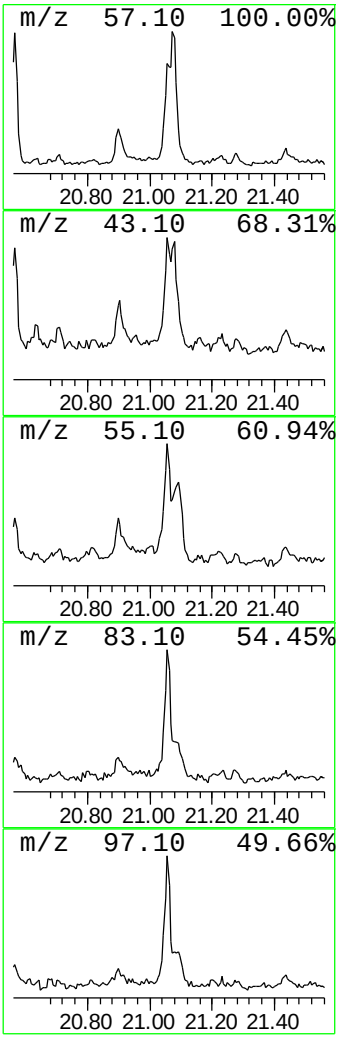
Peak Number 44 (DEL) Alkane: Cyclic21.06 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	24.65 ng/ul	1582810	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	86
2	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	70
3	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	70
4	1-Tricosene	322	C23H46	018835-32-0	70
5	9-Nonadecene	266	C19H38	031035-07-1	64





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028340.D
Acq On : 15 Aug 2017 12:12
Operator : SJ/JU
Sample : I4504-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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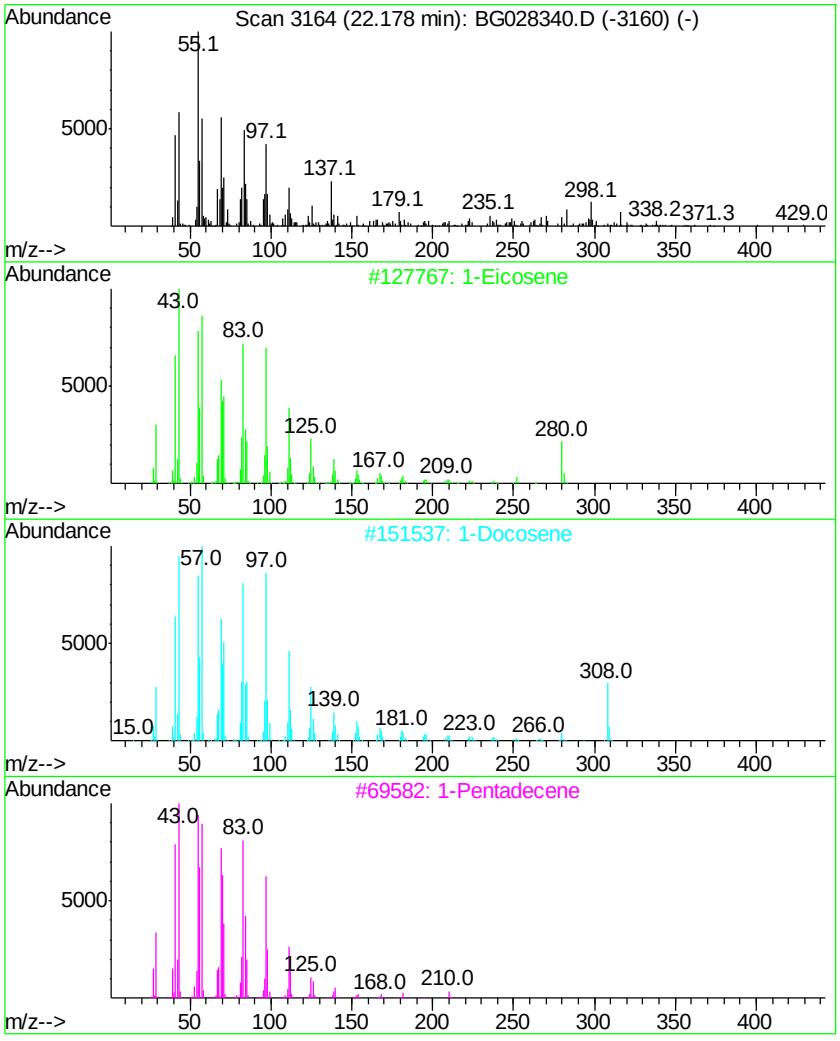
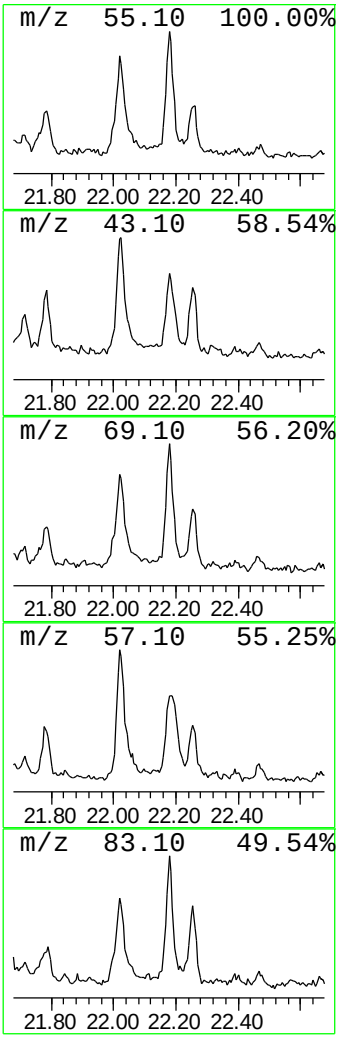
Peak Number 48 (DEL) Alkane: Cyclic22.18 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.18	12.31 ng/ul	790233	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Eicosene	280	C20H40	003452-07-1	96
2	1-Docosene	308	C22H44	001599-67-3	91
3	1-Pentadecene	210	C15H30	013360-61-7	91
4	1-Eicosene	280	C20H40	003452-07-1	87
5	Cetene	224	C16H32	000629-73-2	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\Data\BG081517\
Data File : BG028340.D
Acq On : 15 Aug 2017 12:12
Operator : SJ/JU
Sample : I4504-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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
Neodihydrocarveol	11.99	3.6	ng/ul	98882	2	11.18	545222	20.0
Phenol, 4-ethyl-2...	12.31	9.0	ng/ul	246456	2	11.18	545222	20.0
1,4-Methanonaphth...	13.02	6.0	ng/ul	163130	2	11.18	545222	20.0
Phenol, 2,6-dimet...	13.23	12.7	ng/ul	584952	3	14.97	923349	20.0
Phenol, 2-methoxy...	13.45	4.6	ng/ul	212781	3	14.97	923349	20.0
Benzene, 1,2,3-tr...	13.75	3.8	ng/ul	175626	3	14.97	923349	20.0
unknown-01	14.13	4.5	ng/ul	208994	3	14.97	923349	20.0
Phenol, 4-methoxy...	14.30	34.1	ng/ul	1574370	3	14.97	923349	20.0
Apocynin	14.81	9.6	ng/ul	444041	3	14.97	923349	20.0
5-tert-Butylpyrog...	15.10	50.5	ng/ul	2331730	3	14.97	923349	20.0
unknown-02	15.29	4.7	ng/ul	218901	3	14.97	923349	20.0
Naphthalene, 2,3,...	15.43	2.2	ng/ul	100547	3	14.97	923349	20.0
4-Propyl-1,1'-dip...	15.89	53.1	ng/ul	2452460	3	14.97	923349	20.0
7-Methyl-1-naphthol	16.21	2.9	ng/ul	133504	3	14.97	923349	20.0
unknown-03	16.33	6.0	ng/ul	274954	3	14.97	923349	20.0
Benzaldehyde, 4-h...	16.40	8.7	ng/ul	659018	4	17.72	1521860	20.0
9H-Fluoren-9-ol	16.63	4.9	ng/ul	373255	4	17.72	1521860	20.0
unknown-04	16.73	4.8	ng/ul	368959	4	17.72	1521860	20.0
unknown-05	16.81	3.0	ng/ul	228640	4	17.72	1521860	20.0
Ethanone, 1-(4-hy...	17.00	26.0	ng/ul	1981400	4	17.72	1521860	20.0
unknown-06	17.17	2.5	ng/ul	190835	4	17.72	1521860	20.0
Desaspidinol	17.24	14.5	ng/ul	1103070	4	17.72	1521860	20.0
2-Ethyl-3-methyle...	17.45	4.3	ng/ul	327122	4	17.72	1521860	20.0
Naphtho[2,1-b]fur...	17.55	4.7	ng/ul	357461	4	17.72	1521860	20.0
(DEL) Alkane: Str...	18.16	2.3	ng/ul	174673	4	17.72	1521860	20.0
unknown-07	18.20	2.3	ng/ul	176156	4	17.72	1521860	20.0
9H-Fluoren-9-one,...	18.40	3.1	ng/ul	235332	4	17.72	1521860	20.0
3-Phenanthrol	18.51	2.3	ng/ul	177396	4	17.72	1521860	20.0
n-Hexadecanoic acid	18.57	16.5	ng/ul	1252630	4	17.72	1521860	20.0
unknown-08	18.72	4.1	ng/ul	313875	4	17.72	1521860	20.0
1H-Indene, 2-phenyl-	18.77	3.0	ng/ul	224323	4	17.72	1521860	20.0
(DEL) Alkane: Str...	19.48	10.2	ng/ul	774964	4	17.72	1521860	20.0
(DEL) Alkane: Str...	20.57	7.0	ng/ul	448700	5	22.05	1284250	20.0
(DEL) Alkane: Cyc...	21.06	24.6	ng/ul	1582810	5	22.05	1284250	20.0
(DEL) Alkane: Cyc...	22.18	12.3	ng/ul	790233	5	22.05	1284250	20.0