LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018237.D
Acq On : 2 Aug 2015 21:40
Operator : TP
Sample : G3073-07RE
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01N7RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.306	98	105	114	rBV	55793	85502	2.06%	0.274%
2	3.694	165	171	179	rVB	55628	87375	2.11%	0.280%
3	4.611	321	327	333	rVB7	10450	20333	0.49%	0.065%
4	4.998	389	393	398	rVB	57914	84376	2.04%	0.271%
5	5.134	410	416	429	rVB	146787	338824	8.18%	1.087%
6	5.498	471	478	486	rBV	81749	129689	3.13%	0.416%
7	5.974	551	559	564	rBV	22374	38123	0.92%	0.122%
8	6.461	636	642	648	rVB	64836	109138	2.63%	0.350%
9	6.573	655	661	666	rBV	69743	104864	2.53%	0.336%
10	6.632	666	671	675	rVV	54775	85472	2.06%	0.274%
11	6.685	675	680	690	rVB3	152069	310928	7.51%	0.997%
12	6.820	698	703	708	rBV	102665	159040	3.84%	0.510%
13	6.873	708	712	717	rVB	41932	58511	1.41%	0.188%
14	7.020	730	737	743	rBV	165842	258259	6.23%	0.828%
15	7.131	748	756	761	rBV	220419	348781	8.42%	1.119%
16	7.478	808	815	826	rVV	324535	537849	12.98%	1.725%
17	7.590	830	834	842	rVB3	29468	50787	1.23%	0.163%
18	7.848	872	878	887	rBV	25535	46673	1.13%	0.150%
19	7.971	894	899	903	rBV2	35867	56175	1.36%	0.180%
20	8.018	903	907	914	rVV2	23949	39761	0.96%	0.128%
21	8.118	918	924	929	rVV2	73982	116567	2.81%	0.374%
22	8.218	935	941	947	rVV2	183683	298321	7.20%	0.957%
23	8.289	947	953	959	rVB7	18338	50453	1.22%	0.162%
24	8.430	973	977	982	rBV2	19963	33761	0.82%	0.108%
25	8.483	982	986	990	rVB2	17979	28211	0.68%	0.090%
26	8.583	997	1003	1007	rBV	79300	118982	2.87%	0.382%
27	8.635	1007	1012	1020	rVB	146215	238917	5.77%	0.766%
28	8.806	1036	1041	1042	rBV5	15642	19500	0.47%	0.063%
29	9.105	1087	1092	1097	rVV2	46019	78263	1.89%	0.251%
30	9.164	1097	1102	1108	rVV2	34040	59678	1.44%	0.191%
31	9.358	1124	1135	1141	rBV3	139553	250819	6.06%	0.804%
32	9.664	1183	1187	1192	rVV4	20062	35164	0.85%	0.113%
33	9.905	1223	1228	1235	rVV	218340	352002	8.50%	1.129%
34	9.969	1235	1239	1246	rVB3	12613	22535	0.54%	0.072%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018237.D
Acq On : 2 Aug 2015 21:40
Operator : TP
Sample : G3073-07RE
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01N7RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Title : SVOA CALIBRATION

35	10.263	1278	1289	1295	rBV	455770	775551	18.72%	2.487%
36	10.316	1295	1298	1304	rVV2	38798	63567	1.53%	0.204%
37	10.416	1309	1315	1323	rVV	100884	192880	4.66%	0.619%
38	11.185	1439	1446	1451	rBV3	29546	52216	1.26%	0.167%
39	11.943	1570	1575	1583	rVB2	30061	50253	1.21%	0.161%
40	12.172	1607	1614	1617	rBV	23447	37318	0.90%	0.120%
41	12.725	1705	1708	1711	rVV4	14953	23444	0.57%	0.075%
42	12.983	1748	1752	1764	rVB10	14606	30410	0.73%	0.098%
43	13.324	1805	1810	1818	rVB9	15706	36829	0.89%	0.118%
44	13.477	1830	1836	1840	rBV3	25907	49098	1.19%	0.157%
45	13.530	1842	1845	1848	rVV2	15490	21458	0.52%	0.069%
46	13.577	1848	1853	1857	rVV	388263	524790	12.67%	1.683%
47	13.624	1857	1861	1868	rVV	199674	286544	6.92%	0.919%
48	13.853	1893	1900	1906	rVV	334677	520482	12.57%	1.669%
49	13.982	1917	1922	1926	rVB7	12516	19943	0.48%	0.064%
50	14.164	1946	1953	1958	rVV2	657310	1009162	24.36%	3.236%
51	14.223	1958	1963	1968	rVB	100427	143466	3.46%	0.460%
52	14.417	1991	1996	2001	rVB	91522	130599	3.15%	0.419%
53	14.476	2002	2006	2011	rVV5	19212	29051	0.70%	0.093%
54	14.564	2013	2021	2028	rVV	64903	125162	3.02%	0.401%
55	14.646	2032	2035	2039	rVB5	17268	22675	0.55%	0.073%
56	14.705	2039	2045	2049	rBV8	17113	29389	0.71%	0.094%
57	14.787	2054	2059	2064	rBV8	19181	40463	0.98%	0.130%
58	14.969	2082	2090	2093	rBV7	17195	42477	1.03%	0.136%
59	15.034	2098	2101	2104	rVB2	20119	19049	0.46%	0.061%
60	15.163	2117	2123	2128	rVV	413735	601805	14.53%	1.930%
61	15.216	2128	2132	2137	rVB	111270	152305	3.68%	0.488%
62	15.310	2145	2148	2151	rBV5	14400	19132	0.46%	0.061%
63	15.339	2151	2153	2156	rVB3	18573	18452	0.45%	0.059%
64	15.380	2156	2160	2165	rBV8	19739	30856	0.74%	0.099%
65	15.439	2166	2170	2173	rVB6	25430	33608	0.81%	0.108%
66	15.516	2179	2183	2190	rVB	37209	71673	1.73%	0.230%
67	15.662	2204	2208	2214	rVB	33635	69295	1.67%	0.222%
68	15.898	2244	2248	2250	rBV5	42315	59553	1.44%	0.191%
69	16.197	2296	2299	2302	rBV5	23725	39939	0.96%	0.128%
70	16.274	2310	2312	2316	rVB4	19178	18764	0.45%	0.060%
71	16.573	2360	2363	2371	rVB3	34359	52160	1.26%	0.167%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018237.D
Acq On : 2 Aug 2015 21:40
Operator : TP
Sample : G3073-07RE
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01N7RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Title : SVOA CALIBRATION

72	16.738	2387	2391	2400	rVB3	88344	139036	3.36%	0.446%
73	16.920	2417	2422	2426	rBV2	640360	957095	23.11%	3.069%
74	16.961	2426	2429	2434	rVV	862555	1155469	27.90%	3.706%
75	17.020	2434	2439	2442	rVV2	358557	510400	12.32%	1.637%
76	17.055	2442	2445	2450	rVB	217346	265987	6.42%	0.853%
77	17.114	2451	2455	2460	rBV3	44310	75095	1.81%	0.241%
78	17.331	2488	2492	2500	rVB	80922	136320	3.29%	0.437%
79	17.795	2568	2571	2575	rVB	72541	87680	2.12%	0.281%
80	17.842	2575	2579	2586	rBV2	209935	295660	7.14%	0.948%
81	17.901	2586	2589	2590	rBV	40054	42920	1.04%	0.138%
82	17.995	2600	2605	2608	rBV3	181810	277583	6.70%	0.890%
83	18.036	2608	2612	2618	rVB	400102	542405	13.09%	1.739%
84	18.212	2636	2642	2649	rBV	2283774	2996485	72.34%	9.610%
85	18.306	2656	2658	2662	rVB	62913	60017	1.45%	0.192%
86	18.353	2663	2666	2669	rVB2	65940	84465	2.04%	0.271%
87	18.406	2669	2675	2683	rBV	3329666	4142107	100.00%	13.284%
88	18.547	2696	2699	2704	rVB2	194716	257270	6.21%	0.825%
89	18.688	2719	2723	2727	rVB	205629	243698	5.88%	0.782%
90	19.000	2771	2776	2781	rBV	917047	1199532	28.96%	3.847%
91	19.058	2782	2786	2790	rVB2	234166	314175	7.58%	1.008%
92	19.335	2828	2833	2835	rBV2	414548	606821	14.65%	1.946%
93	19.364	2835	2838	2847	rVB	784523	1002548	24.20%	3.215%
94	21.133	3133	3139	3143	rBV2	877731	1617741	39.06%	5.188%
95	21.168	3143	3145	3154	rVB	498133	619195	14.95%	1.986%
96	21.632	3221	3224	3227	rBV	340919	354482	8.56%	1.137%
97	21.714	3236	3238	3245	rVB2	282464	326782	7.89%	1.048%
98	21.779	3245	3249	3255	rBV3	591930	872877	21.07%	2.799%
99	21.932	3272	3275	3277	rBV3	225864	263294	6.36%	0.844%
100	22.660	3395	3399	3416	rVB3	541925	1637703	39.54%	5.252%

Sum of corrected areas: 31182293

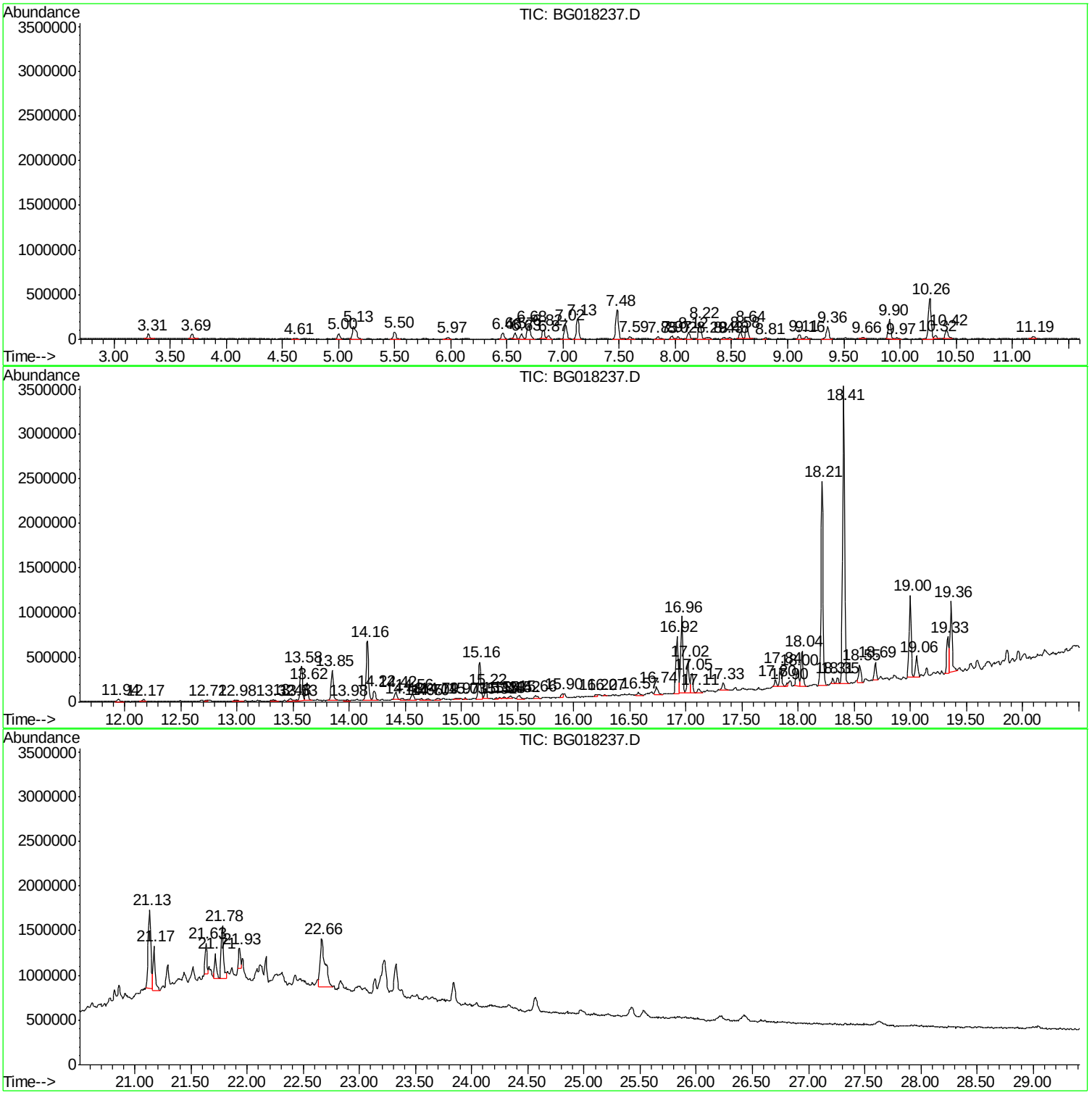
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018237.D
Acq On : 2 Aug 2015 21:40
Operator : TP
Sample : G3073-07RE
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01N7RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018237.D
Acq On : 2 Aug 2015 21:40
Operator : TP
Sample : G3073-07RE
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01N7RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

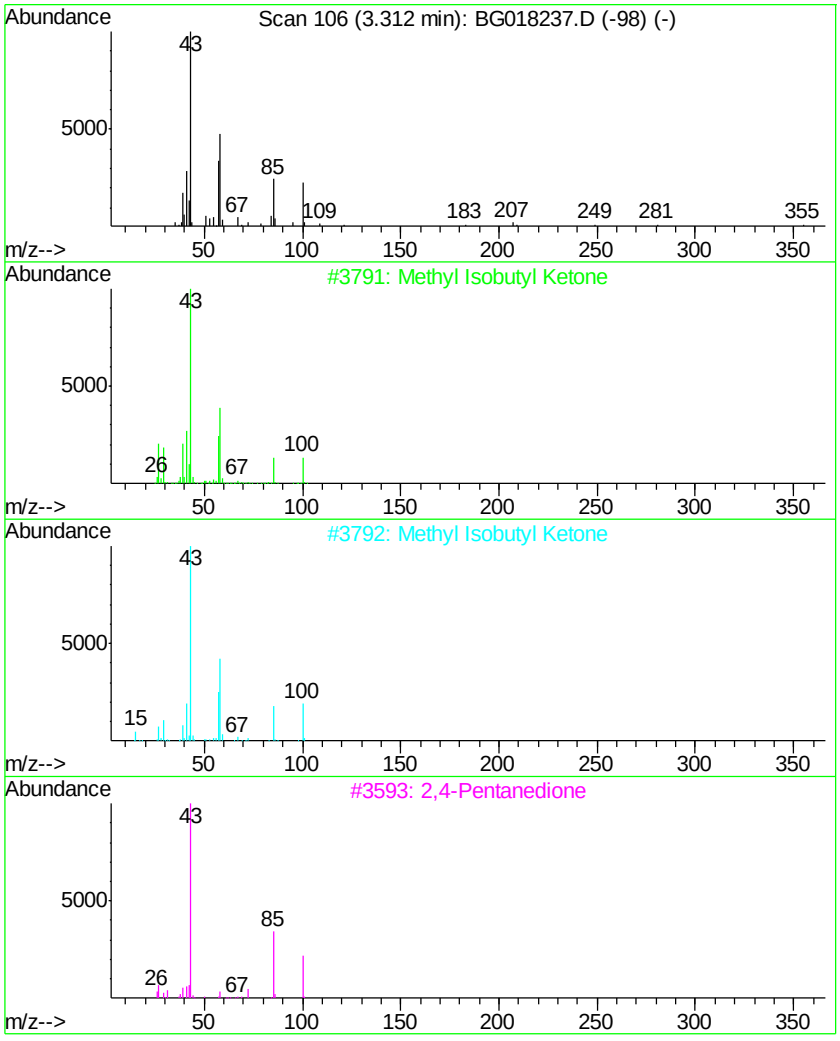
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

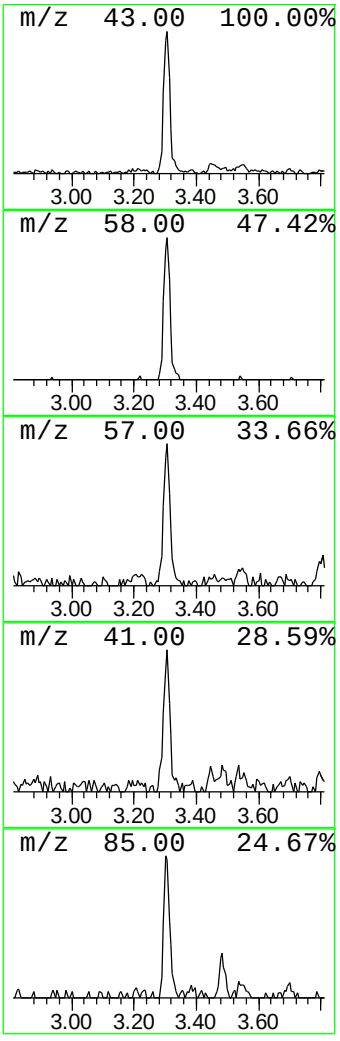
****

Peak Number 1 Methyl Isobutyl Ketone Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.31	3.18 ng/ul	85502	1,4-Dichlorobenzene-d4	7.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	72
2	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	50
3	2,4-Pentanedione	100	C5H8O2	000123-54-6	43
4	2-Pentanone, 5-bromo-	164	C5H9BrO	003884-71-7	25
5	2,4-Pentanedione	100	C5H8O2	000123-54-6	25





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018237.D
Acq On : 2 Aug 2015 21:40
Operator : TP
Sample : G3073-07RE
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01N7RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

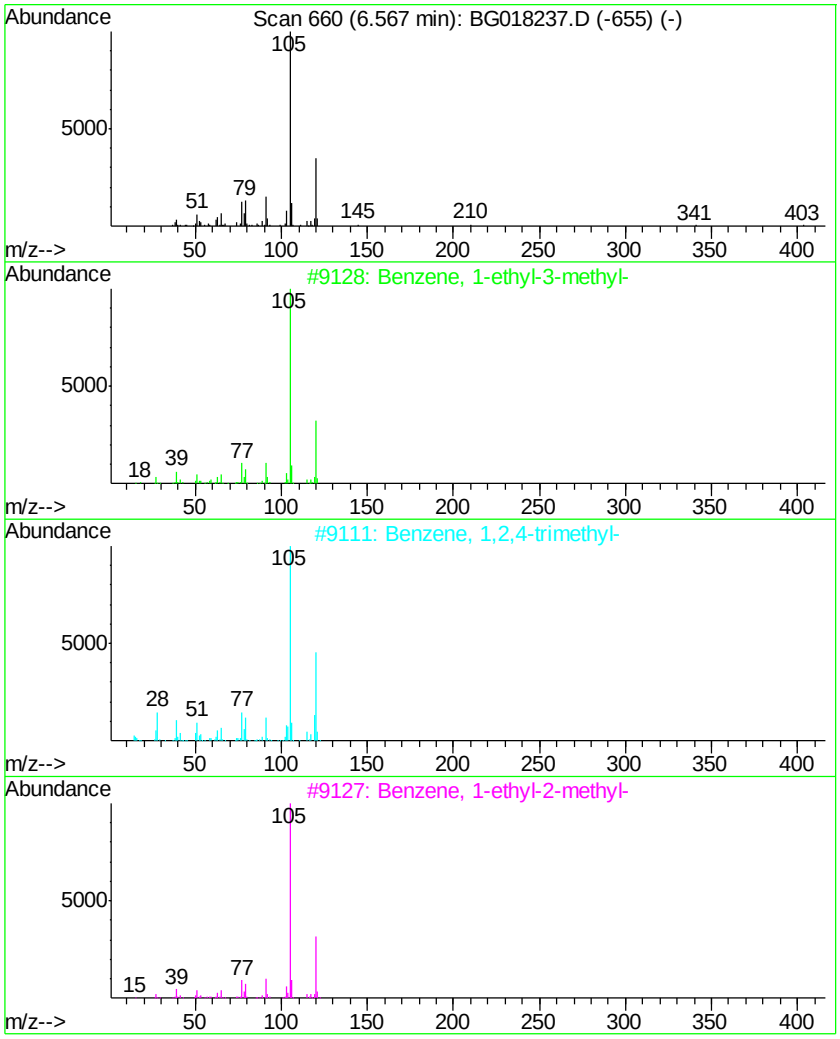
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

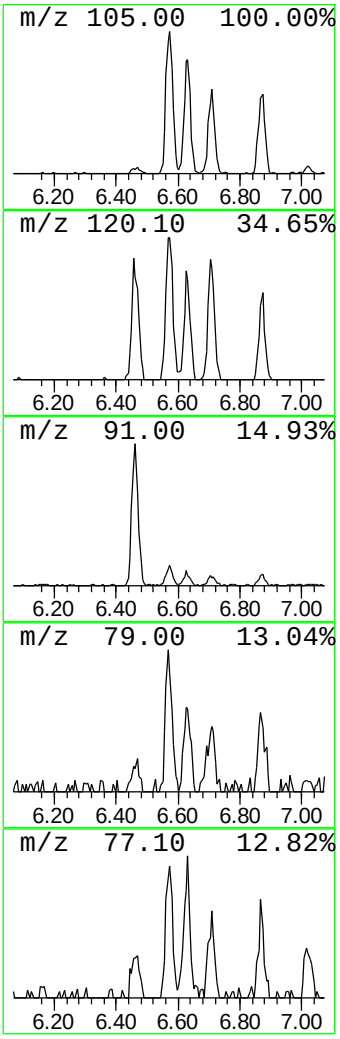
****

Peak Number 7 Benzene, 1-ethyl-3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	3.90 ng/ul	104864	1,4-Dichlorobenzene-d4	7.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018237.D
Acq On : 2 Aug 2015 21:40
Operator : TP
Sample : G3073-07RE
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01N7RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

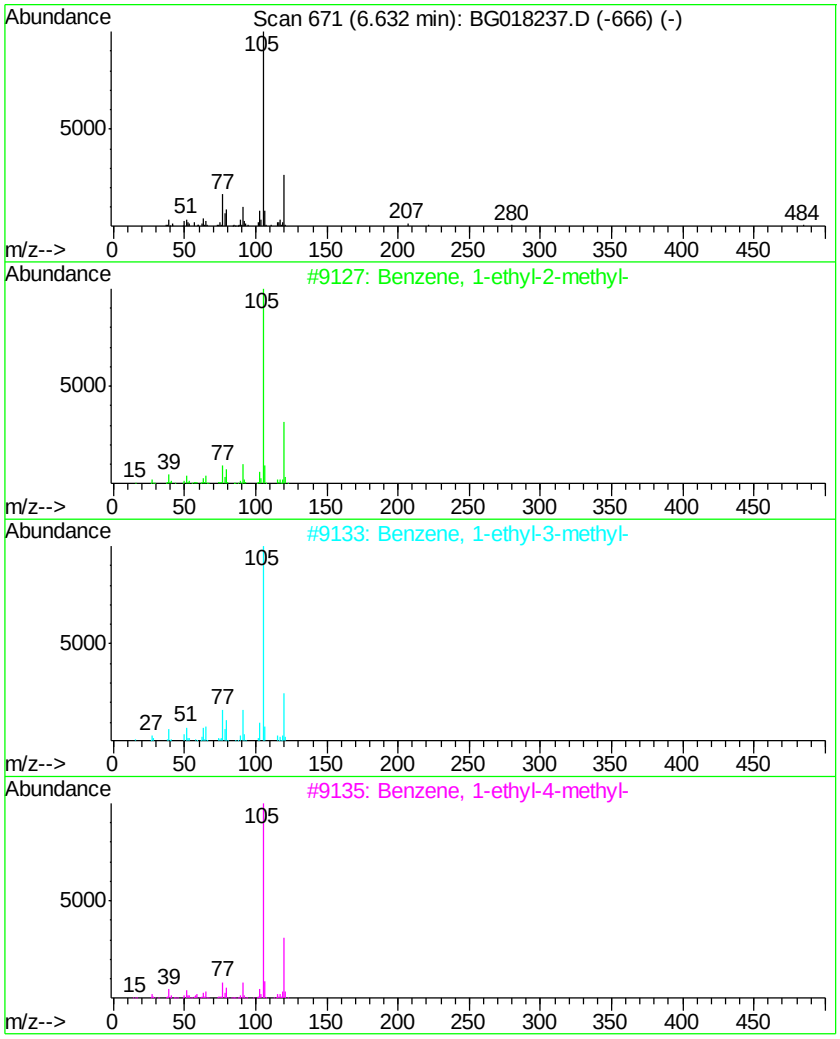
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

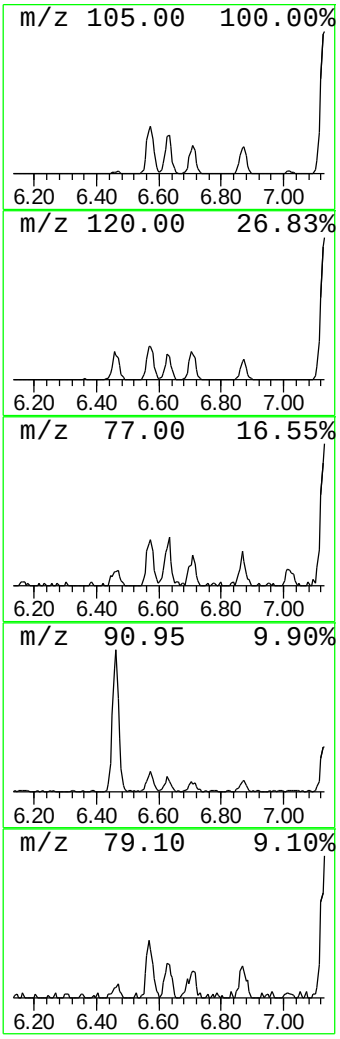
****

Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	3.18 ng/ul	85472	1,4-Dichlorobenzene-d4	7.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018237.D
Acq On : 2 Aug 2015 21:40
Operator : TP
Sample : G3073-07RE
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01N7RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

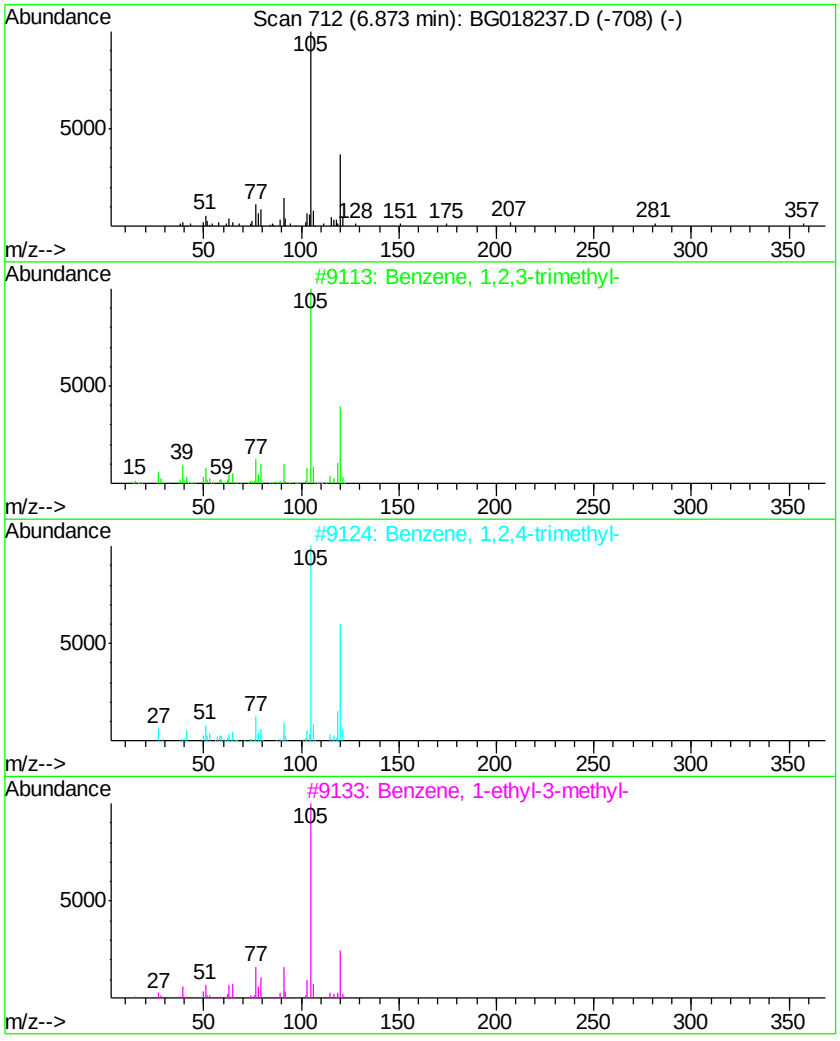
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

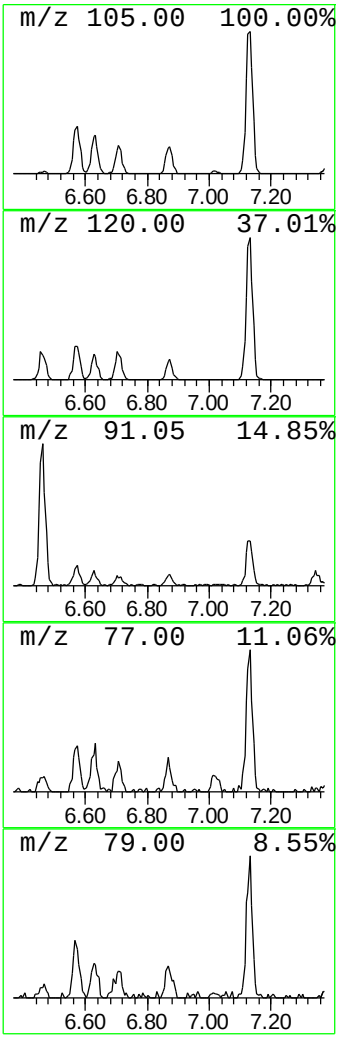
****

Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.87	2.18 ng/ul	58511	1,4-Dichlorobenzene-d4	7.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	81
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	80
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	74
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	74
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	74





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018237.D
Acq On : 2 Aug 2015 21:40
Operator : TP
Sample : G3073-07RE
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01N7RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

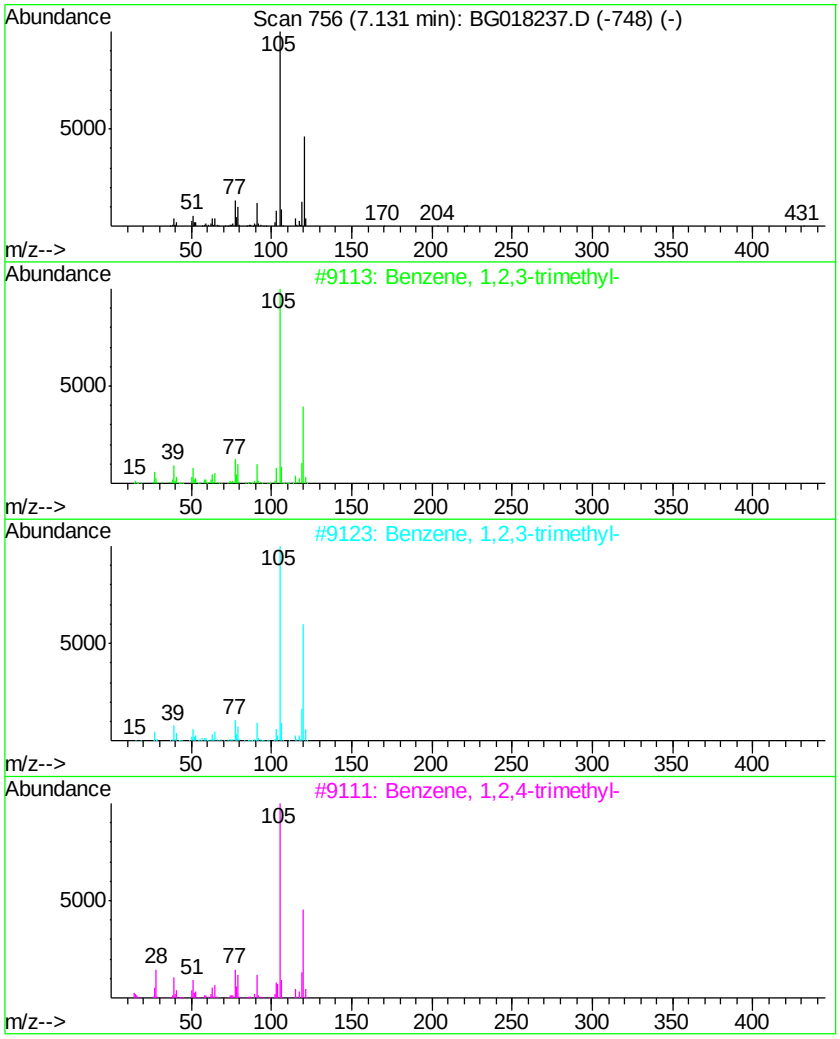
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

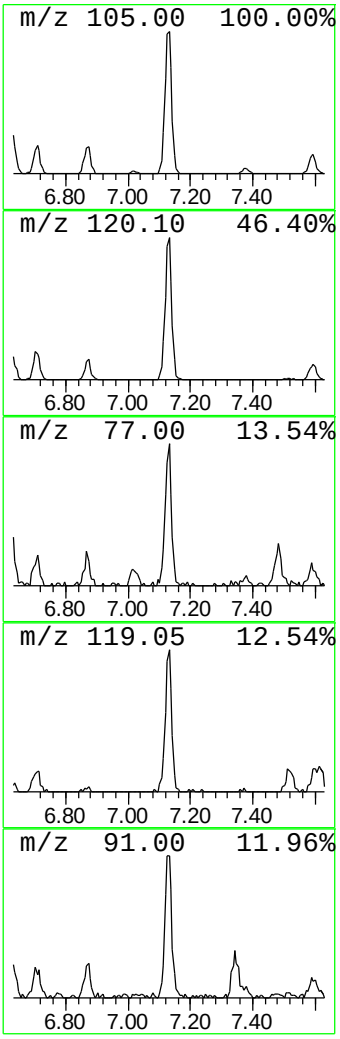
****

Peak Number 10 Benzene, 1,2,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	12.97 ng/ul	348781	1,4-Dichlorobenzene-d4	7.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91





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Acq On : 2 Aug 2015 21:40
Operator : TP
Sample : G3073-07RE
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01N7RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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

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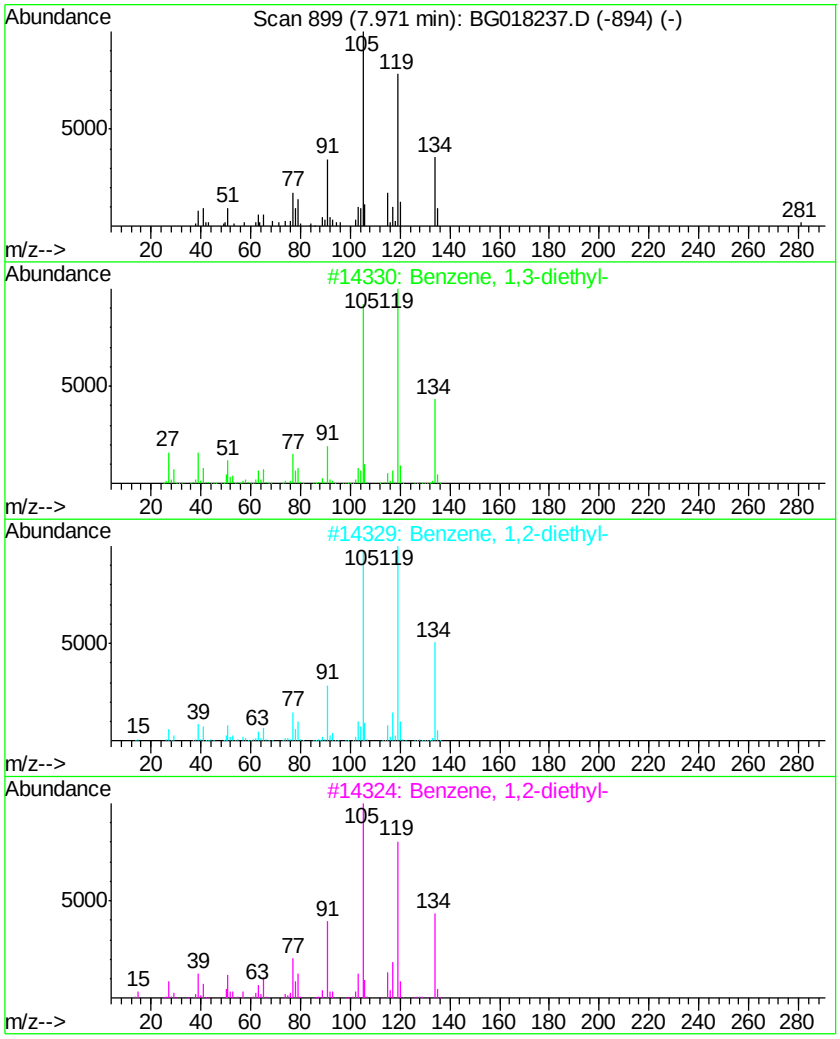
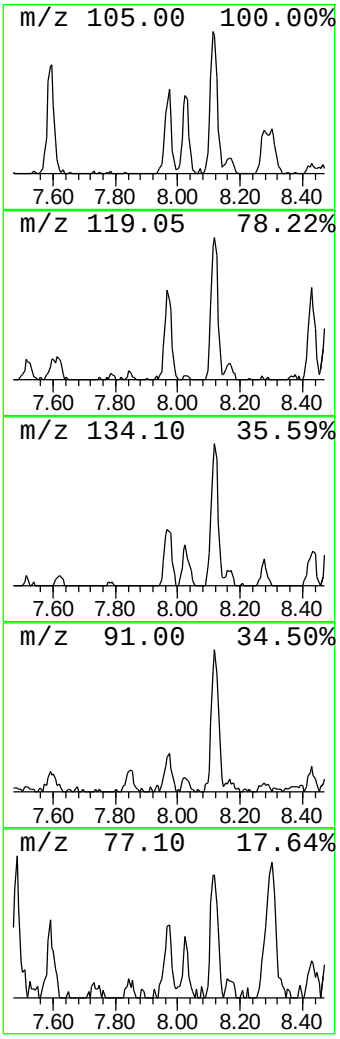
Peak Number 11 Benzene, 1,3-diethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.97	2.09 ng/ul	56175	1,4-Dichlorobenzene-d4	7.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	91
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	91
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91





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Misc :
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Instrument : BNA_G
ClientSampleId : C01N7RE

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Quant Title : SVOA CALIBRATION

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

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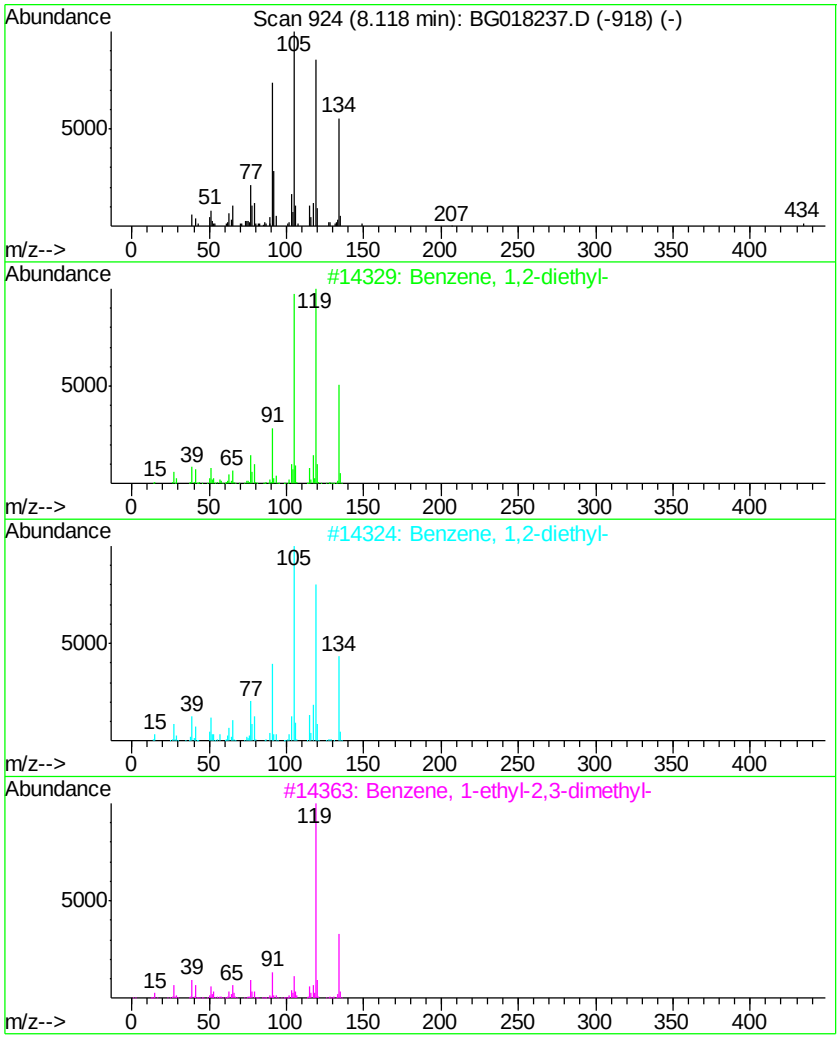
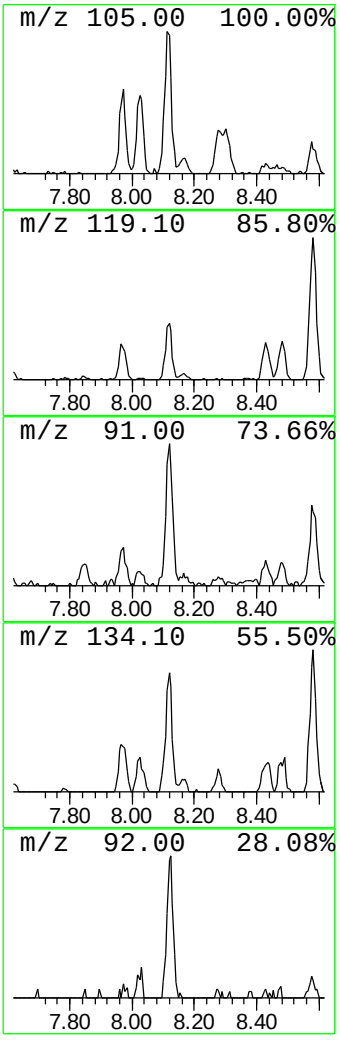
Peak Number 12 Benzene, 1,2-diethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	4.33 ng/ul	116567	1,4-Dichlorobenzene-d4	7.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	90
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
5	1,3,8-p-Menthatriene	134	C10H14	021195-59-5	81





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Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01N7RE

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Quant Title : SVOA CALIBRATION

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

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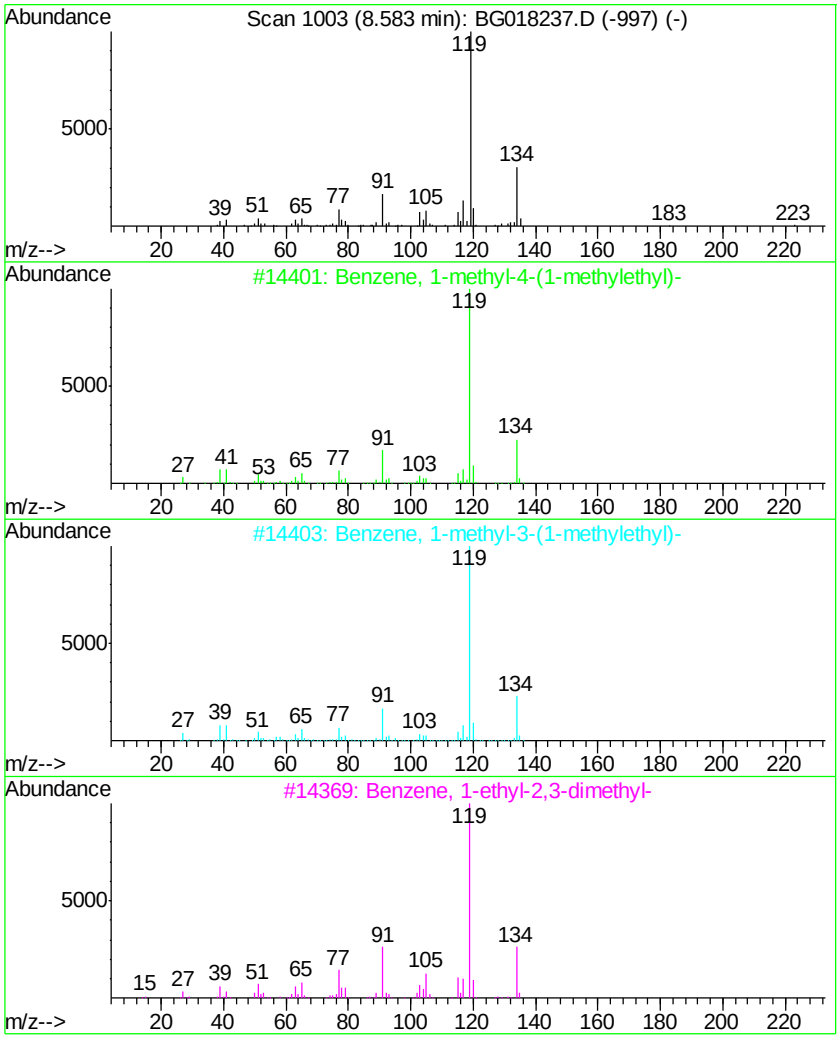
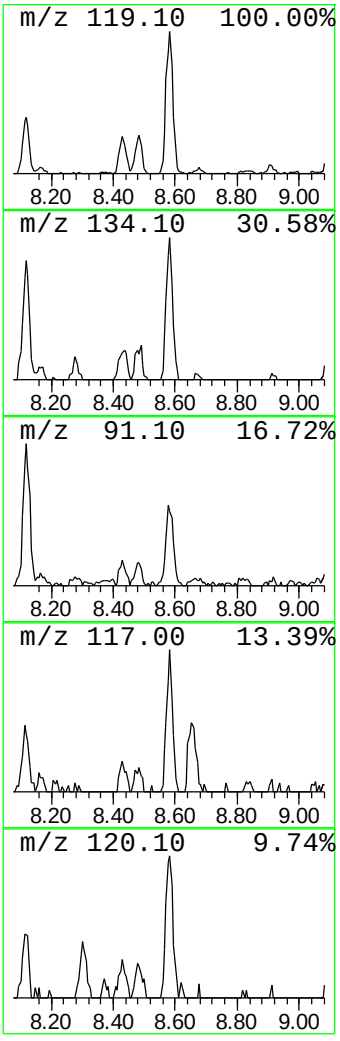
Peak Number 13 Benzene, 1-methyl-4-(1-meth... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	4.42 ng/ul	118982	1,4-Dichlorobenzene-d4	7.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	94
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





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Sample : G3073-07RE
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Instrument : BNA_G
ClientSampleId : C01N7RE

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Quant Title : SVOA CALIBRATION

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

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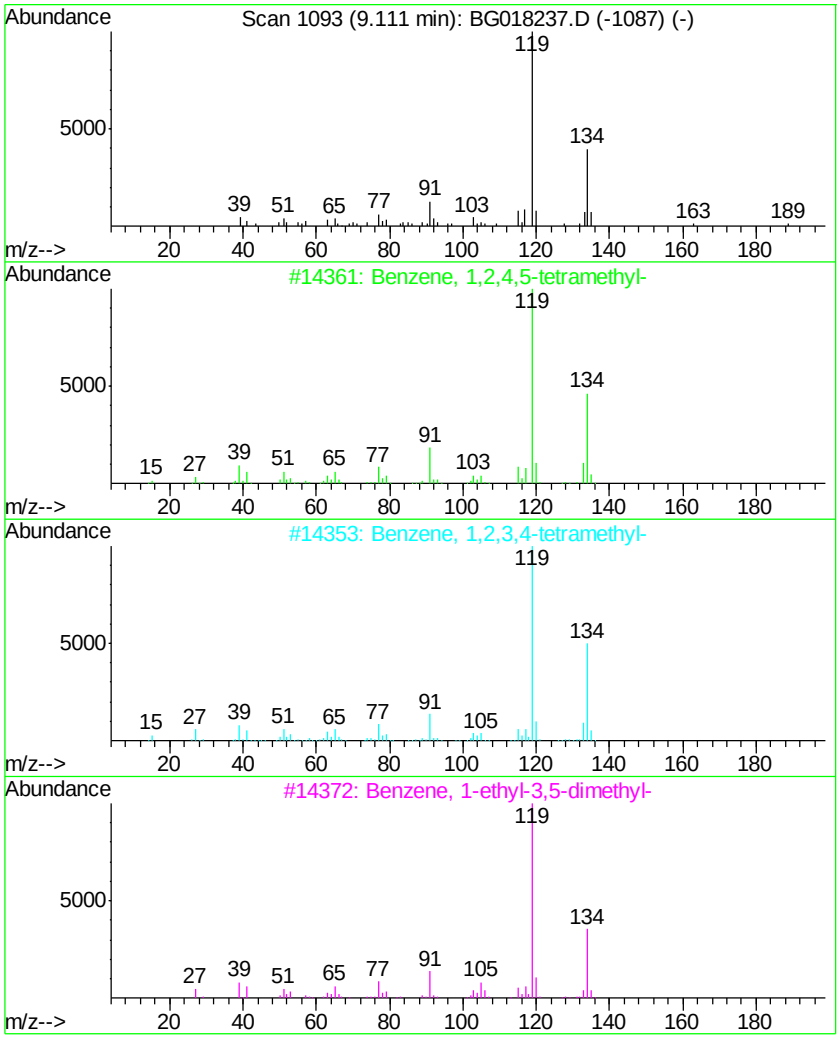
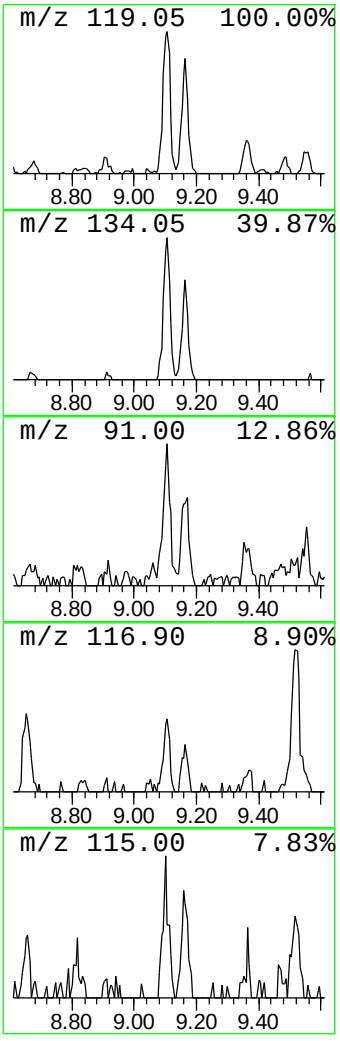
Peak Number 14 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.11	2.02 ng/ul	78263	Naphthalene-d8	10.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





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Sample : G3073-07RE
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01N7RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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

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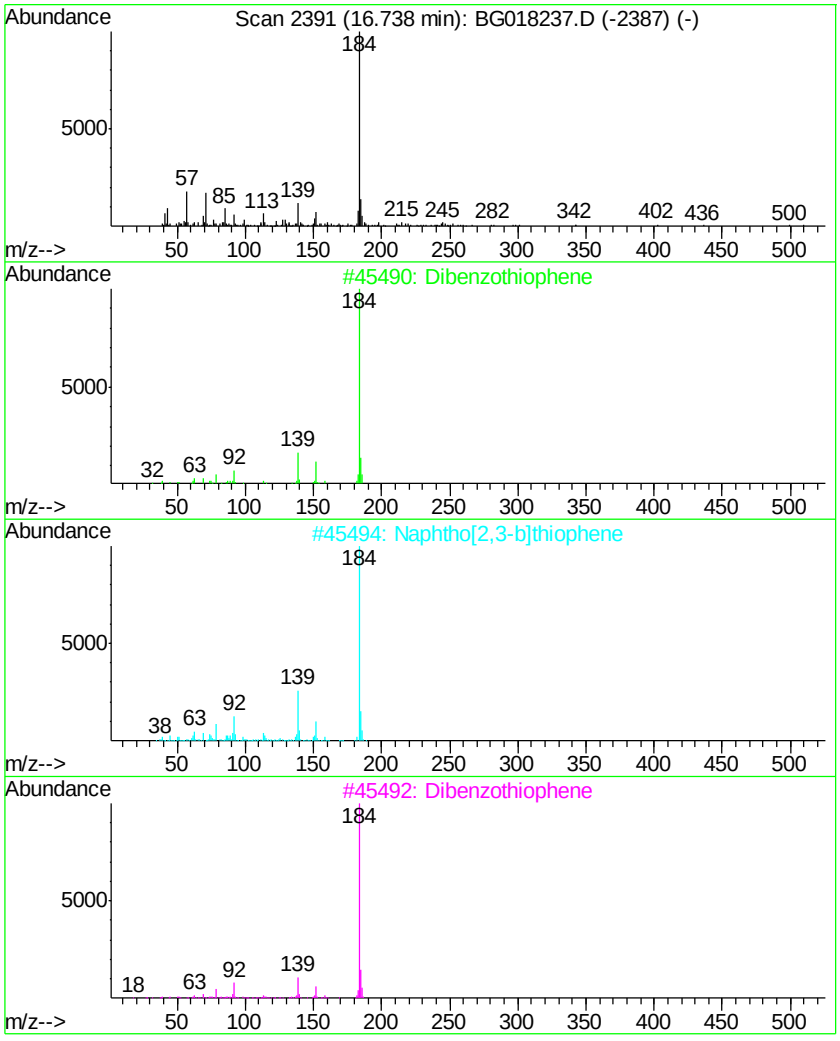
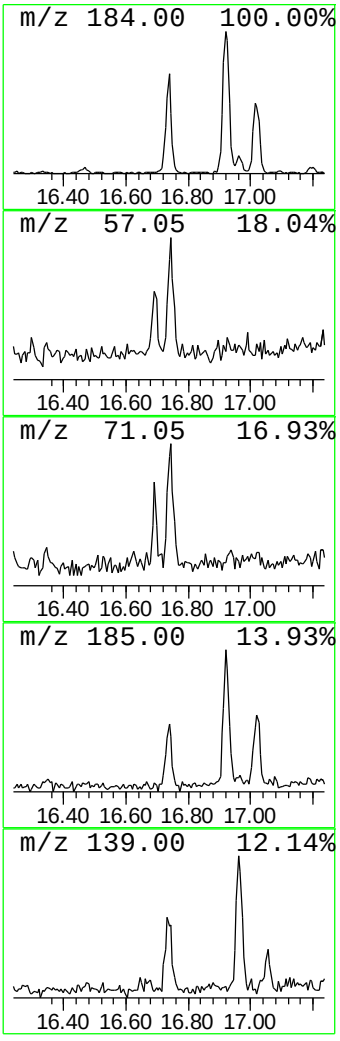
Peak Number 15 Dibenzothiophene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	2.91 ng/ul	139036	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	81
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	81
3	Dibenzothiophene	184	C12H8S	000132-65-0	81
4	Dibenzothiophene	184	C12H8S	000132-65-0	74
5	Dibenzothiophene	184	C12H8S	000132-65-0	72





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Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01N7RE

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Quant Title : SVOA CALIBRATION

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

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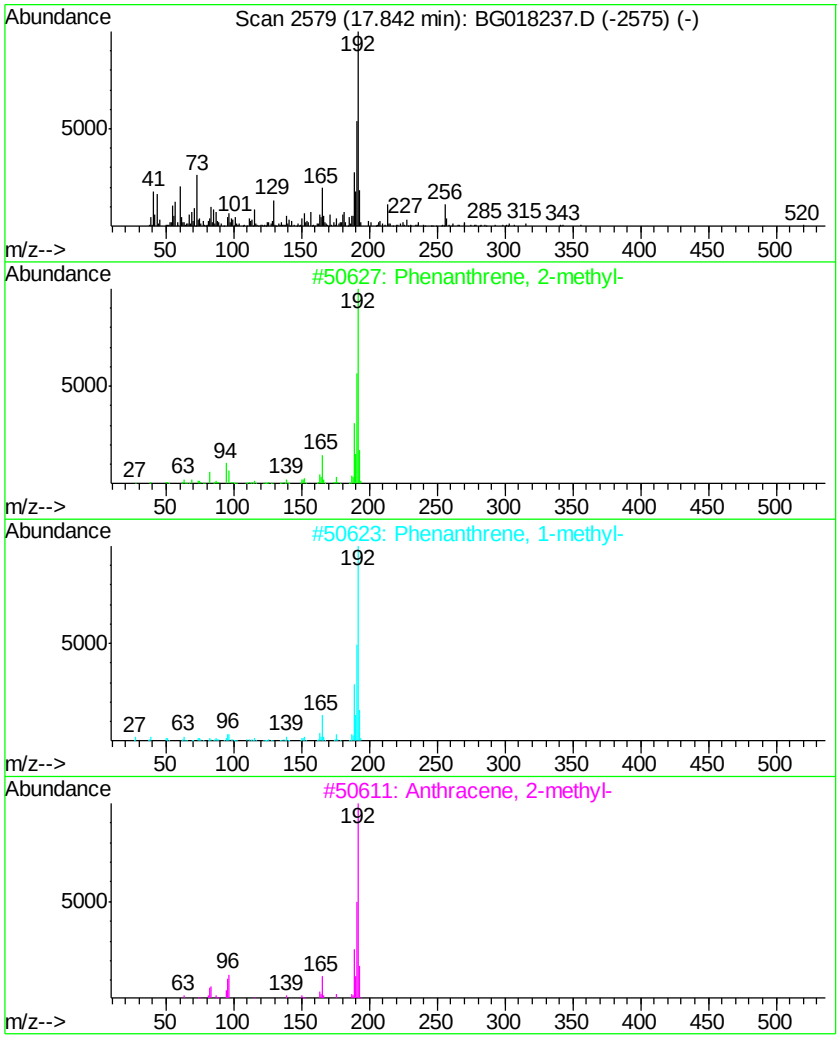
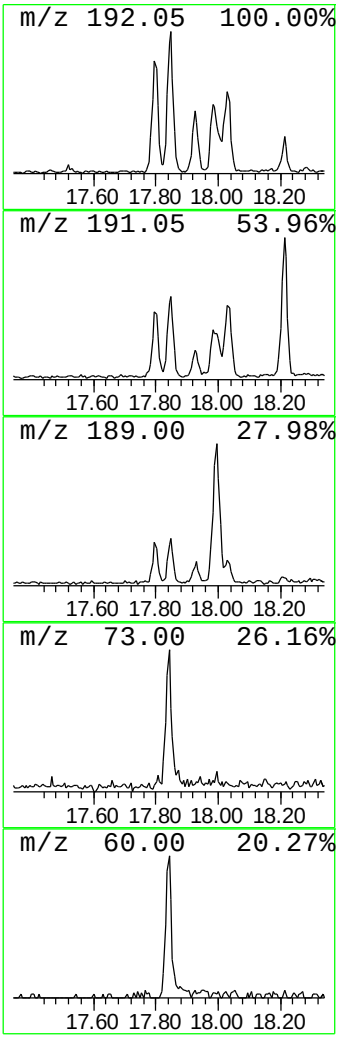
Peak Number 16 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	6.18 ng/ul	295660	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83





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Sample : G3073-07RE
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01N7RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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

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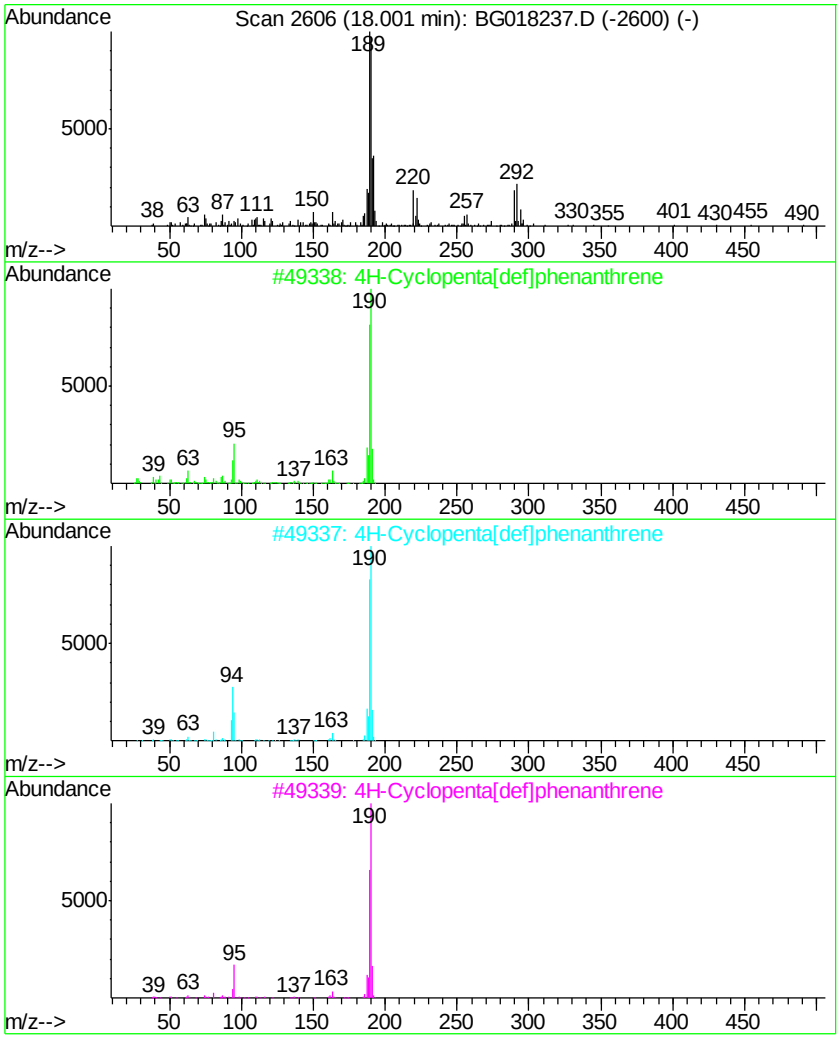
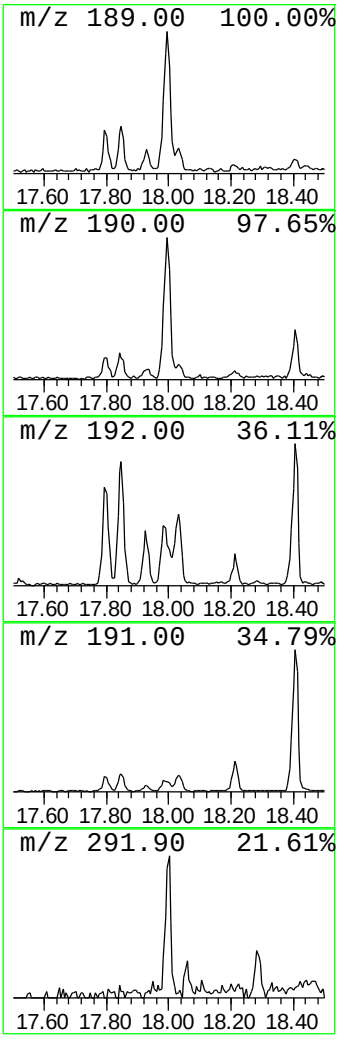
Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	5.80 ng/ul	277583	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	49
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47





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Instrument : BNA_G
ClientSampleId : C01N7RE

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Quant Title : SVOA CALIBRATION

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

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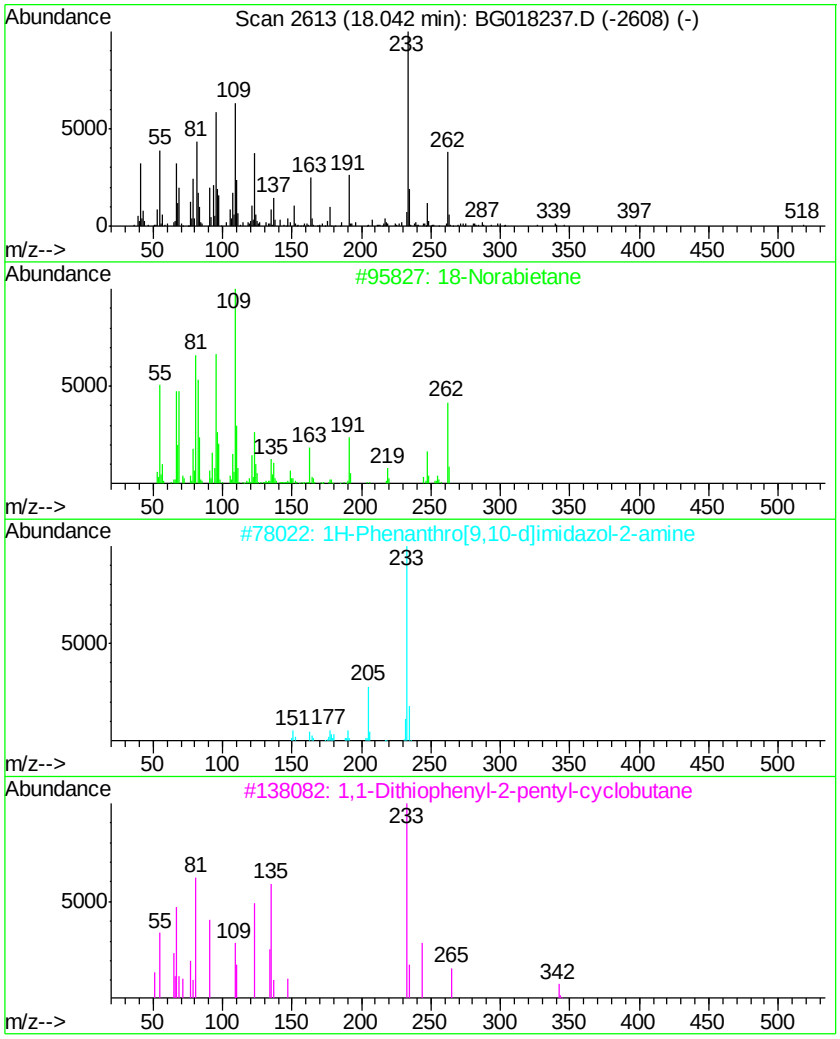
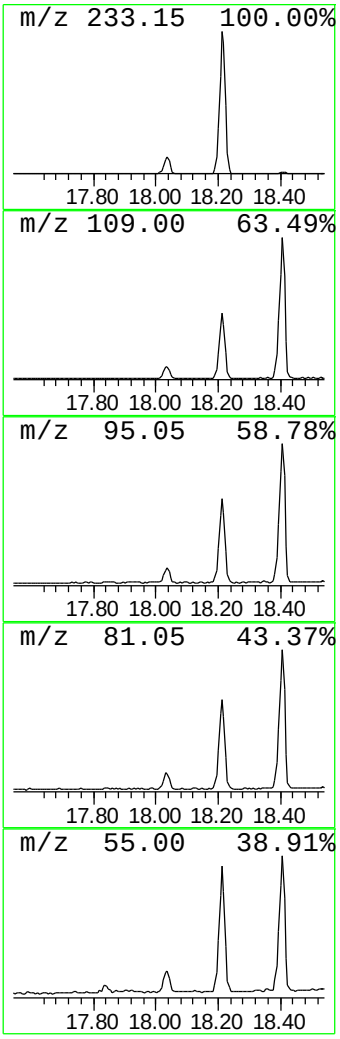
Peak Number 18 18-Norabietane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	11.33 ng/ul	542405	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	86
2	1H-Phenanthro[9,10-d]imidazol-2-...	233	C15H11N3	037052-13-4	27
3	1,1-Dithiophenyl-2-pentyl-cyclob...	342	C21H26S2	122732-88-1	25
4	Phenanthro[9,10-d]oxazole, 2-met...	233	C16H11NO	021639-88-3	18
5	Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	14





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Quant Title : SVOA CALIBRATION

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

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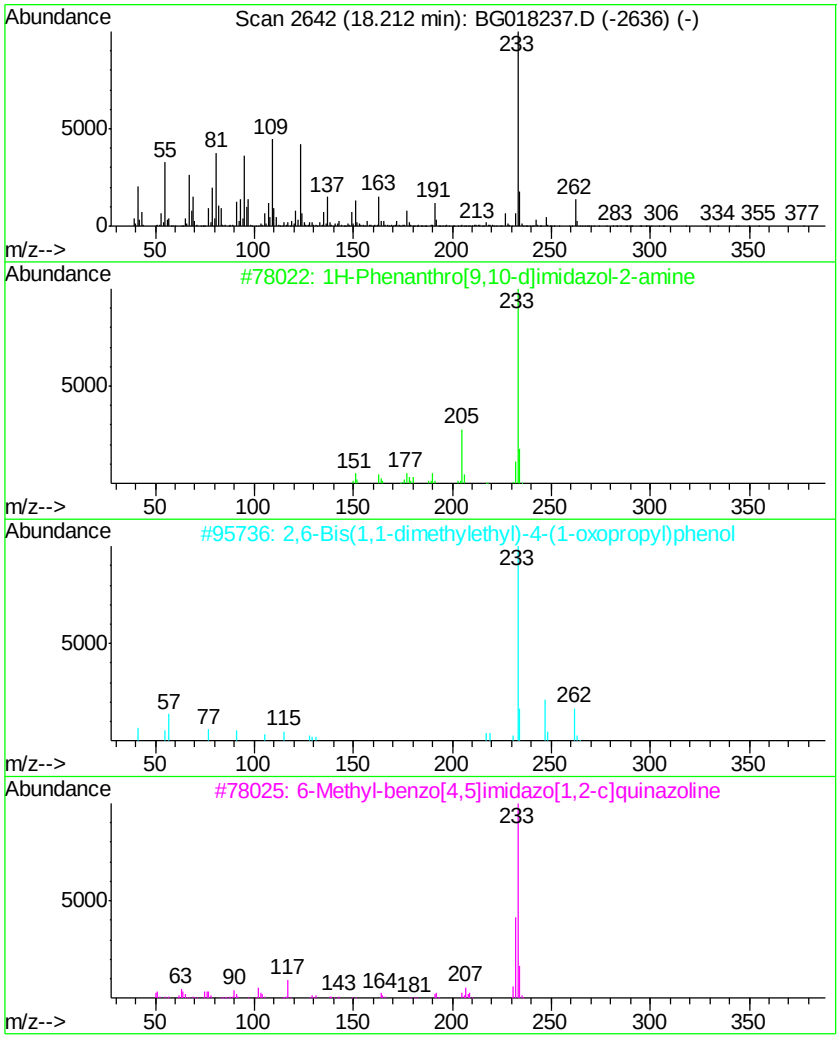
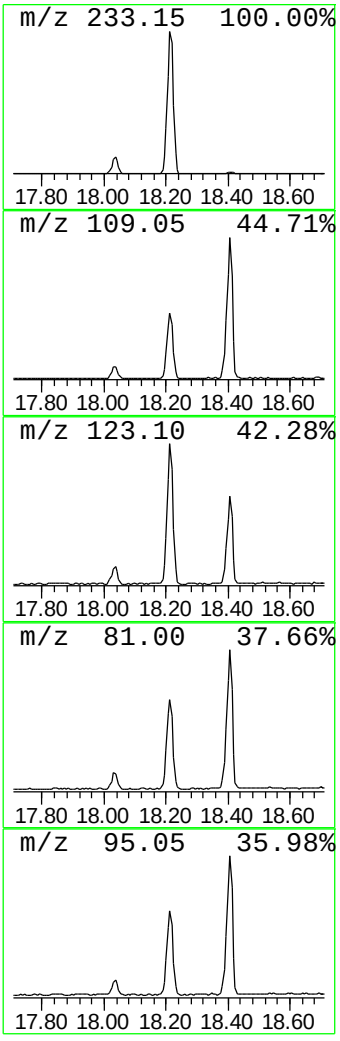
Peak Number 19 1H-Phenanthro[9,10-d]imidaz... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	62.62 ng/ul	2996490	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenanthro[9,10-d]imidazol-2-...	233	C15H11N3	037052-13-4	58
2	2,6-Bis(1,1-dimethylethyl)-4-(1-...	262	C17H26O2	014035-34-8	30
3	6-Methyl-benzo[4,5]imidazo[1,2-c...	233	C15H11N3	066373-63-5	27
4	Cyclohexanone, (4-nitrophenyl)hy...	233	C12H15N3O2	001919-96-6	27
5	N1-(4,4-Dimethyl-1,3-thiazolan-2...	248	C14H20N2S	284665-76-5	23





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Quant Title : SVOA CALIBRATION

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

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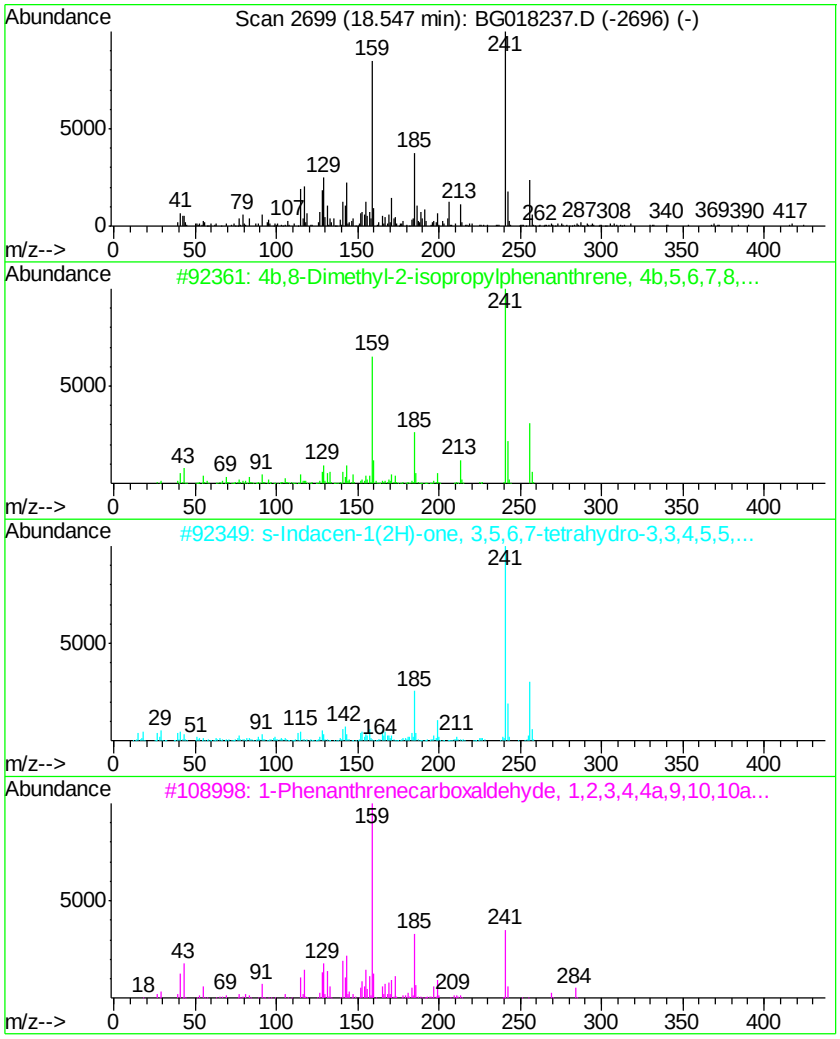
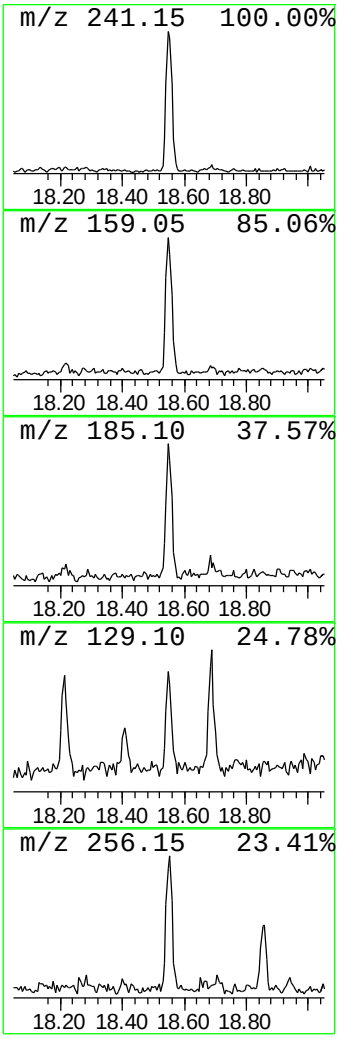
Peak Number 21 4b,8-Dimethyl-2-isopropylph... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	5.38 ng/ul	257270	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	60
2	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	55
3	1-Phenanthrenecarboxaldehyde, 1,...	284	C20H28O	024035-50-5	43
4	As-Indacene, 1,2,3,6,7,8-hexahyd...	256	C19H28	017465-47-3	38
5	1-Methyl-10,18-bisnorabieta-8,11...	256	C19H28	1000293-16-9	38





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Quant Title : SVOA CALIBRATION

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

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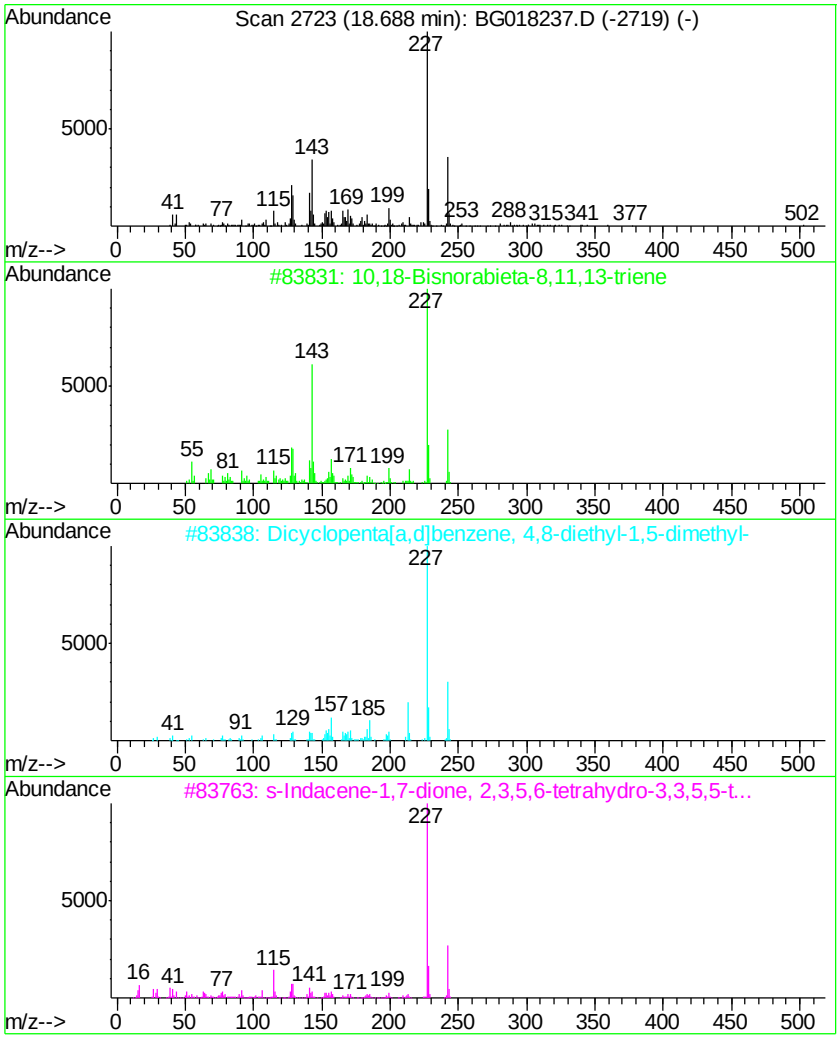
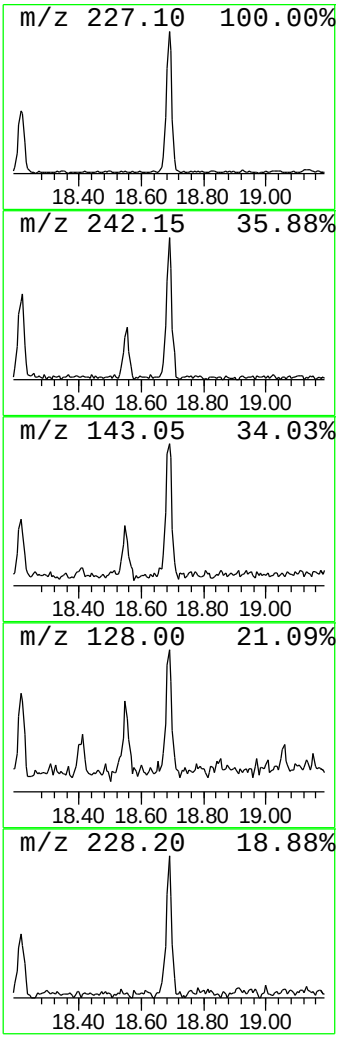
Peak Number 22 10,18-Bisnorabieta-8,11,13-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	5.09 ng/ul	243698	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	87
2	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	86
3	s-Indacene-1,7-dione, 2,3,5,6-te...	242	C16H18O2	055591-17-8	58
4	7-Diethylamino-2-oxo-2H-chromene...	242	C14H14N2O2	332411-59-3	58
5	1,4-Naphthalenedione, 2-hydroxy-...	242	C15H14O3	004042-39-1	53





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Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01N7RE

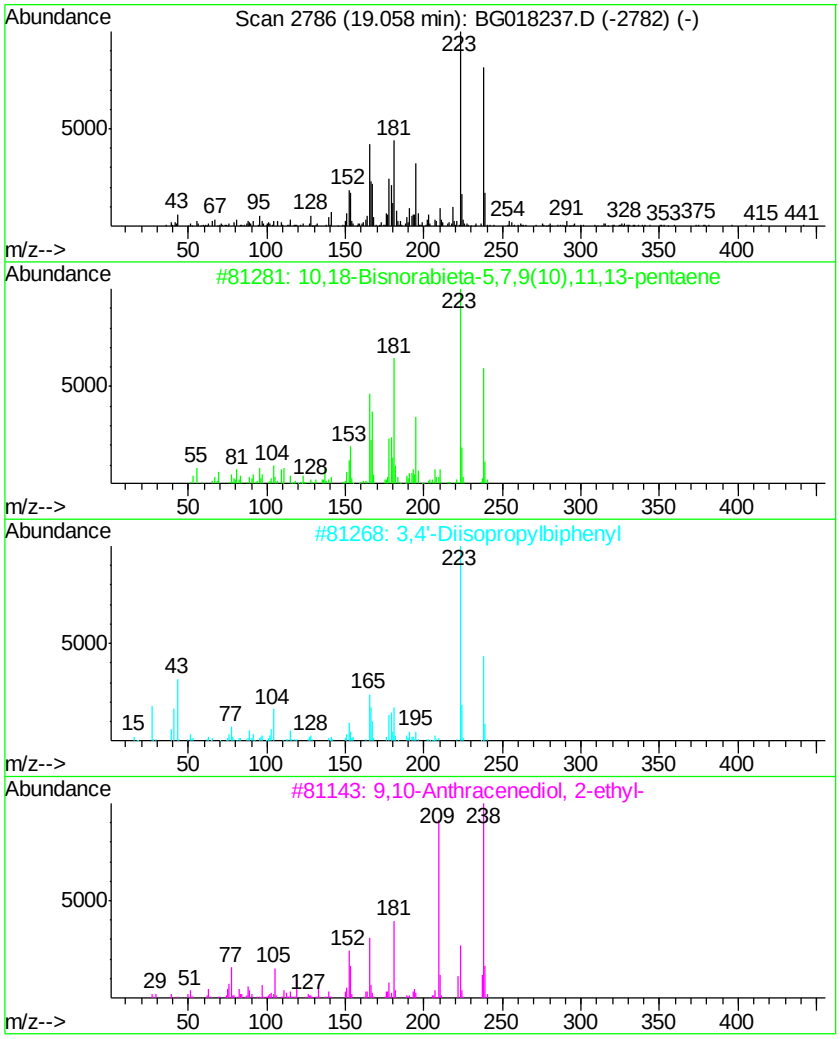
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

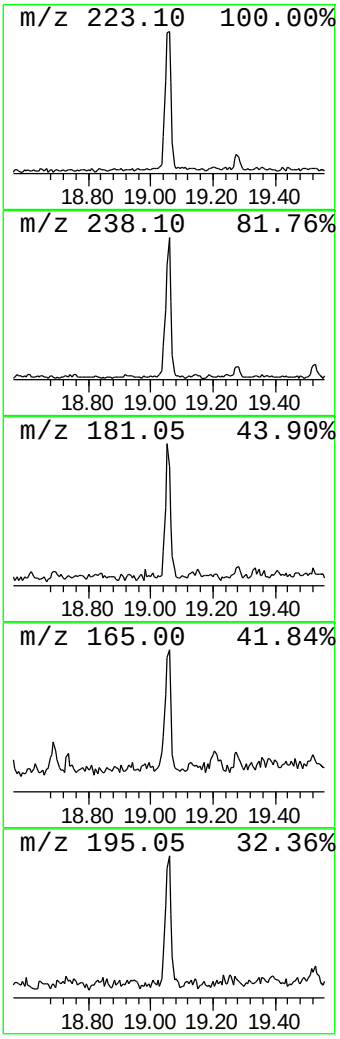
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	3.88 ng/ul	314175	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	93
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	60
3	9,10-Anthracenediol, 2-ethyl-	238	C16H14O2	000839-73-6	50
4	Anthracene, 1,4-dimethoxy-	238	C16H14O2	013076-29-4	43
5	syn-Tricyclo[8.4.1.1(4,9)]hexade...	238	C16H14O2	1000158-32-8	41





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018237.D
Acq On : 2 Aug 2015 21:40
Operator : TP
Sample : G3073-07RE
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01N7RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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

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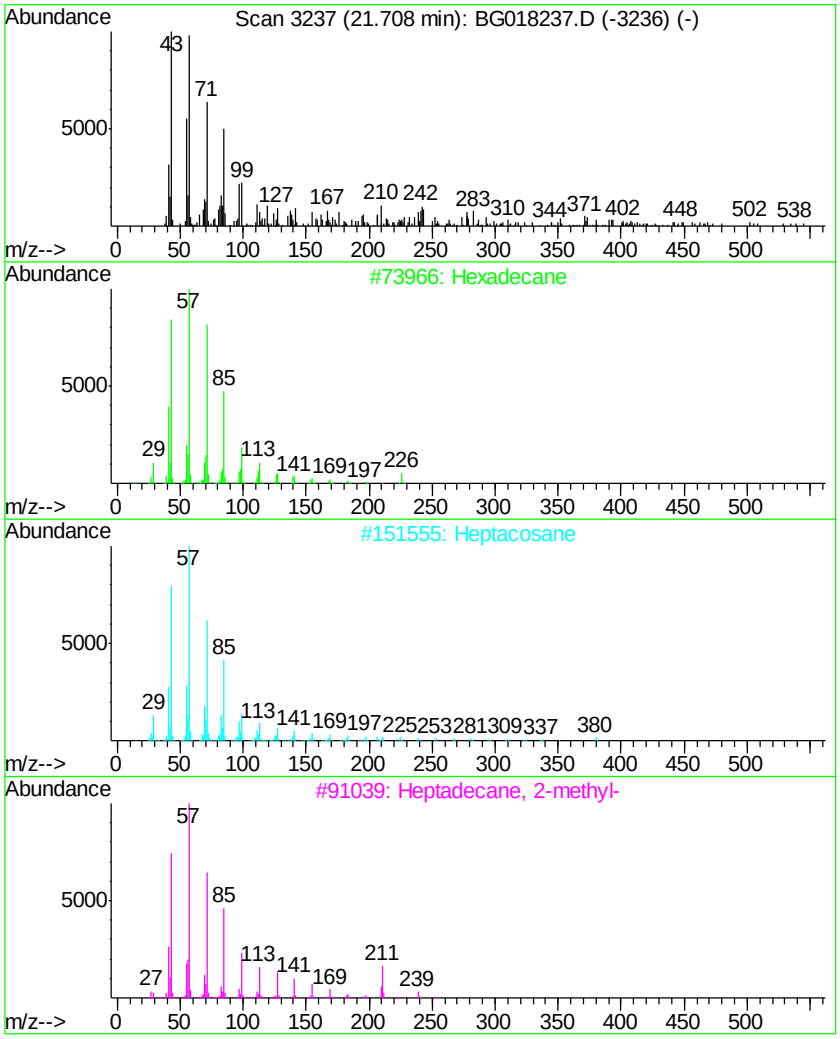
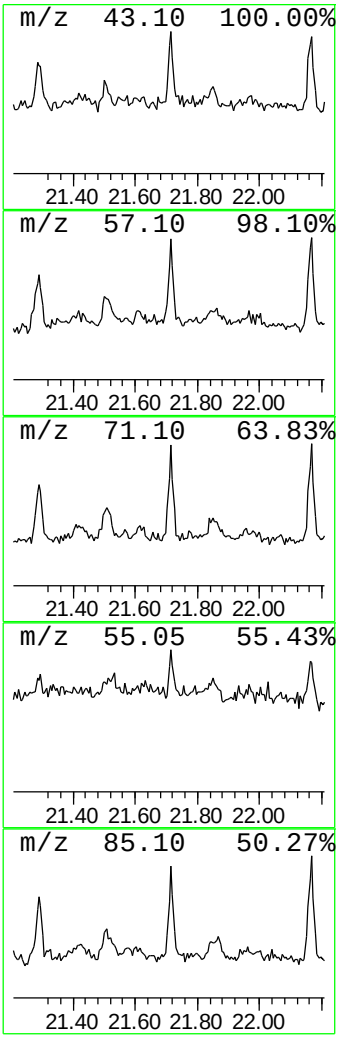
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.71	4.04 ng/ul	326782	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Heptacosane	380	C27H56	000593-49-7	90
3	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	89
4	Heptacosane	380	C27H56	000593-49-7	89
5	Hexadecane	226	C16H34	000544-76-3	89





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018237.D
Acq On : 2 Aug 2015 21:40
Operator : TP
Sample : G3073-07RE
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01N7RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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

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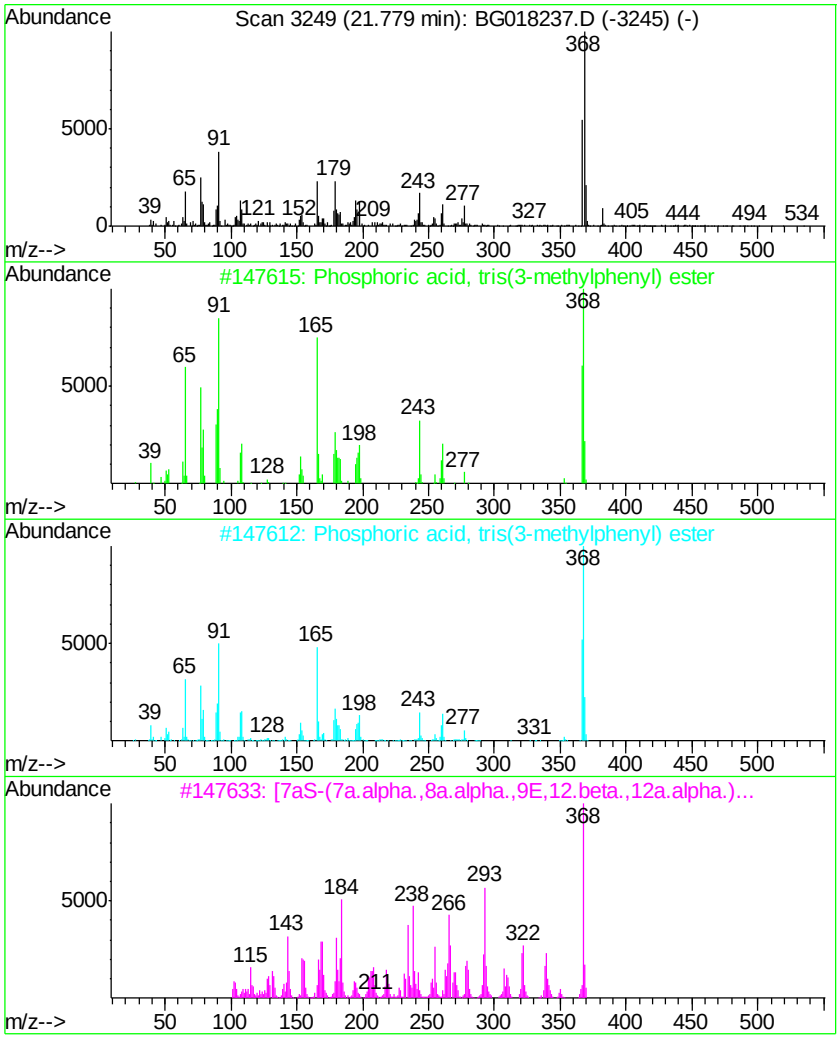
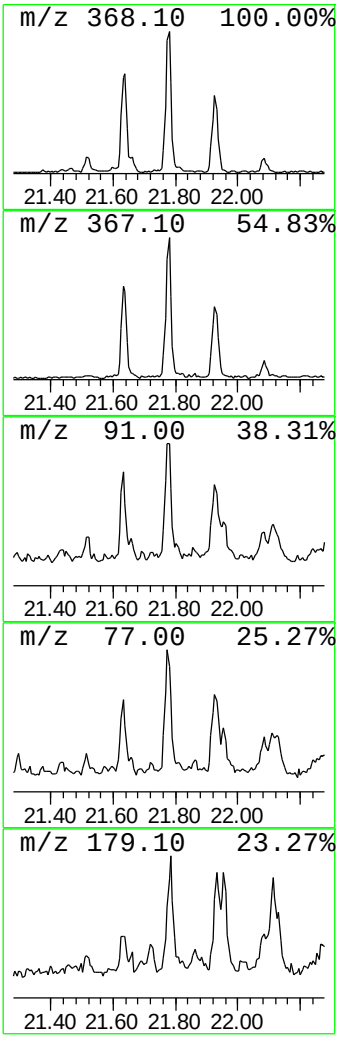
Peak Number 26 Phosphoric acid, tris(3-met... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.78	10.79 ng/ul	872877	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	99
2	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	98
3	[7aS-(7a.alpha.,8a.alpha.,9E,12....	368	C21H24N2O4	030809-15-5	74
4	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	53
5	Pyrimidine-4,6-dione, hexahydro-...	368	C19H16N2O4S	310421-18-2	52





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018237.D
Acq On : 2 Aug 2015 21:40
Operator : TP
Sample : G3073-07RE
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01N7RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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

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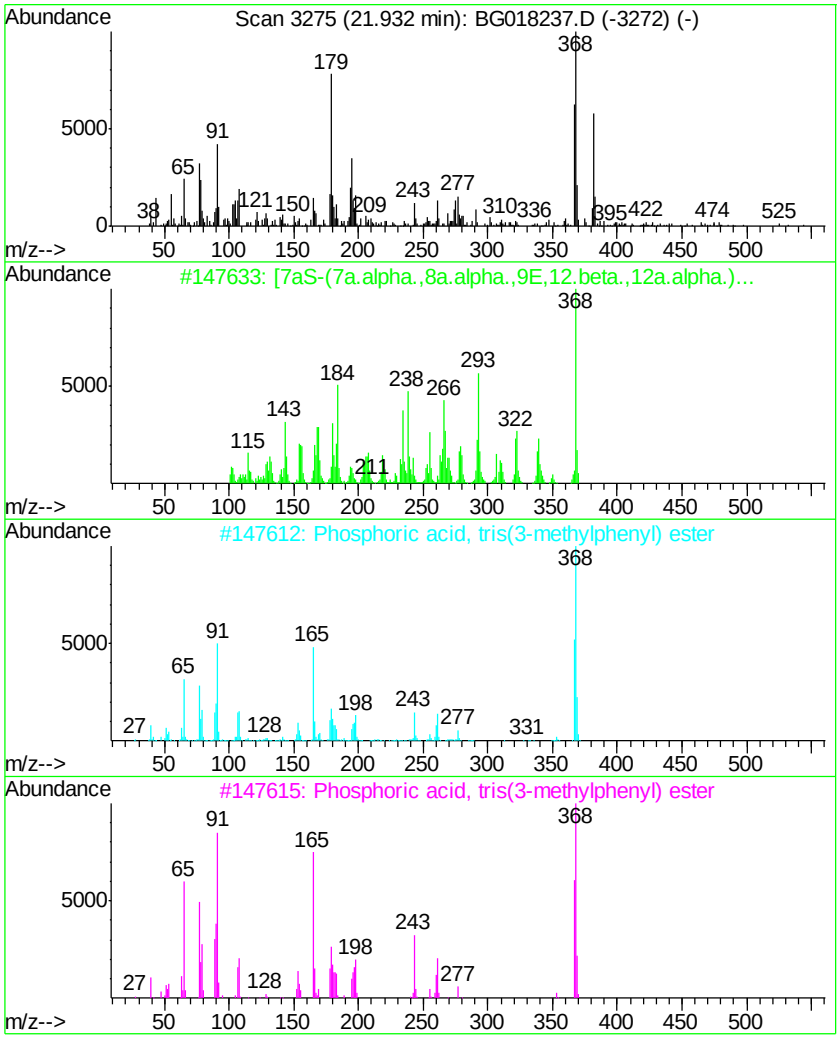
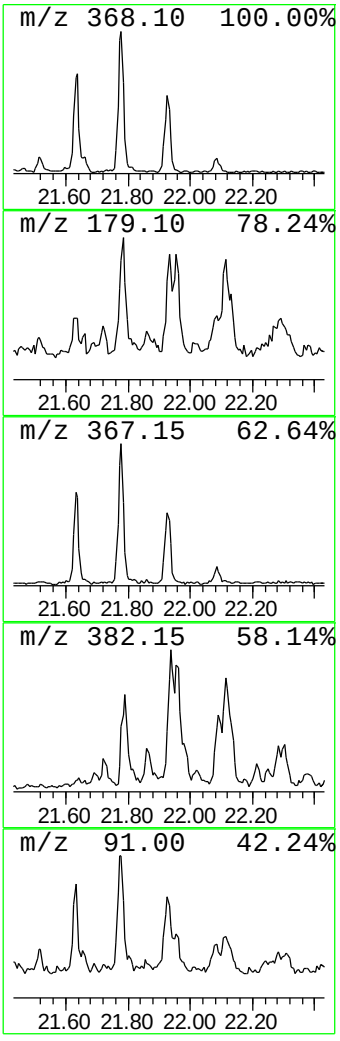
Peak Number 27 [7aS-(7a.alpha.,8a.alpha.,9... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.93	3.26 ng/ul	263294	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[7aS-(7a.alpha.,8a.alpha.,9E,12....	368	C21H24N2O4	030809-15-5	91
2	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	64
3	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	43
4	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	41
5	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018237.D
Acq On : 2 Aug 2015 21:40
Operator : TP
Sample : G3073-07RE
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01N7RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Methyl Isobutyl K...	3.31	3.2	ng/ul	85502	1	7.48	537849	20.0
Benzene, 1-ethyl-...	6.57	3.9	ng/ul	104864	1	7.48	537849	20.0
Benzene, 1-ethyl-...	6.63	3.2	ng/ul	85472	1	7.48	537849	20.0
Benzene, 1,2,3-tr...	6.87	2.2	ng/ul	58511	1	7.48	537849	20.0
Benzene, 1,2,4-tr...	7.13	13.0	ng/ul	348781	1	7.48	537849	20.0
Benzene, 1,3-diet...	7.97	2.1	ng/ul	56175	1	7.48	537849	20.0
Benzene, 1,2-diet...	8.12	4.3	ng/ul	116567	1	7.48	537849	20.0
Benzene, 1-methyl...	8.58	4.4	ng/ul	118982	1	7.48	537849	20.0
Benzene, 1,2,4,5-...	9.11	2.0	ng/ul	78263	2	10.26	775551	20.0
Dibenzothiophene	16.74	2.9	ng/ul	139036	4	16.92	957095	20.0
Phenanthrene, 2-m...	17.84	6.2	ng/ul	295660	4	16.92	957095	20.0
4H-Cyclopenta[def...	18.00	5.8	ng/ul	277583	4	16.92	957095	20.0
18-Norabietane	18.04	11.3	ng/ul	542405	4	16.92	957095	20.0
1H-Phenanthro[9,1...	18.21	62.6	ng/ul	2996490	4	16.92	957095	20.0
4b,8-Dimethyl-2-i...	18.55	5.4	ng/ul	257270	4	16.92	957095	20.0
10,18-Bisnorabiet...	18.69	5.1	ng/ul	243698	4	16.92	957095	20.0
10,18-Bisnorabiet...	19.06	3.9	ng/ul	314175	5	21.13	1617740	20.0
(DEL) Alkane: Str...	21.71	4.0	ng/ul	326782	5	21.13	1617740	20.0
Phosphoric acid, ...	21.78	10.8	ng/ul	872877	5	21.13	1617740	20.0
[7aS-(7a.alpha.,8...	21.93	3.3	ng/ul	263294	5	21.13	1617740	20.0