LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
Data File : BG018549.D
Acq On : 29 Aug 2015 23:12
Operator : UM/MA
Sample : G3476-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCTJ9

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-BG080915.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	2.891	5	9	17	rVB2	38145	50671	0.82%	0.069%
2	3.114	41	47	54	rVV2	77269	148868	2.42%	0.203%
3	3.184	54	59	73	rVB	830406	1163999	18.94%	1.588%
4	7.174	729	738	748	rBV	526683	902005	14.68%	1.231%
5	7.332	759	765	774	rBV	410238	676947	11.01%	0.924%
6	7.544	793	801	810	rBV	496048	852496	13.87%	1.163%
7	8.014	874	881	887	rBV	316987	543905	8.85%	0.742%
8	8.713	993	1000	1009	rBV	617178	1051104	17.10%	1.434%
9	9.172	1070	1078	1085	rBV	500243	893993	14.54%	1.220%
10	9.894	1191	1201	1210	rBV	427709	763088	12.42%	1.041%
11	10.435	1282	1293	1303	rBV	782016	1354623	22.04%	1.848%
12	10.817	1350	1358	1365	rBV	539121	933328	15.18%	1.274%
13	10.946	1373	1380	1394	rBV	569938	1055854	17.18%	1.441%
14	13.243	1765	1771	1777	rVB4	29778	49076	0.80%	0.067%
15	13.431	1798	1803	1809	rBV	116600	177326	2.89%	0.242%
16	13.555	1818	1824	1829	rBV	123682	192440	3.13%	0.263%
17	13.602	1829	1832	1836	rVV3	46093	67095	1.09%	0.092%
18	13.660	1836	1842	1848	rVB5	65424	111778	1.82%	0.153%
19	13.831	1866	1871	1879	rVB7	38788	75502	1.23%	0.103%
20	13.919	1879	1886	1890	rBV	1180194	1819350	29.60%	2.483%
21	13.960	1890	1893	1901	rVV2	1012785	1612676	26.24%	2.201%
22	14.042	1901	1907	1911	rVV	1411975	2114226	34.40%	2.885%
23	14.083	1911	1914	1923	rVV	603059	901748	14.67%	1.230%
24	14.172	1923	1929	1937	rVB2	118426	197023	3.21%	0.269%
25	14.330	1944	1956	1967	rBV	1495606	2626073	42.73%	3.583%
26	14.430	1967	1973	1975	rVV6	40040	74101	1.21%	0.101%
27	14.459	1975	1978	1986	rVV5	80871	150692	2.45%	0.206%
28	14.536	1986	1991	1996	rVB2	130780	186063	3.03%	0.254%
29	14.642	2001	2009	2015	rBV2	925734	1486303	24.18%	2.028%
30	14.706	2015	2020	2025	rVV3	168278	265722	4.32%	0.363%
31	14.759	2025	2029	2034	rVV3	76694	113069	1.84%	0.154%
32	14.835	2034	2042	2049	rVV	664461	1165213	18.96%	1.590%
33	14.888	2049	2051	2059	rVB3	71448	130367	2.12%	0.178%
34	15.035	2072	2076	2079	rVV	60007	85348	1.39%	0.116%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
Data File : BG018549.D
Acq On : 29 Aug 2015 23:12
Operator : UM/MA
Sample : G3476-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCTJ9

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-BG080915.M
Title : SVOA CALIBRATION

35	15.076	2079	2083	2087	rVB3	56413	80774	1.31%	0.110%
36	15.123	2087	2091	2097	rBV5	38613	50563	0.82%	0.069%
37	15.482	2149	2152	2156	rVB2	29520	33503	0.55%	0.046%
38	15.629	2169	2177	2183	rBV	2097052	3066965	49.90%	4.185%
39	15.682	2183	2186	2190	rVV	68196	95741	1.56%	0.131%
40	15.740	2190	2196	2203	rVV	547974	811423	13.20%	1.107%
41	15.805	2203	2207	2211	rVV3	83386	125503	2.04%	0.171%
42	15.875	2211	2219	2221	rVV6	95675	171151	2.78%	0.234%
43	15.922	2221	2227	2234	rVV	3807990	5528997	89.95%	7.545%
44	15.981	2234	2237	2240	rVB2	27825	38642	0.63%	0.053%
45	16.058	2244	2250	2254	rBV7	40846	78713	1.28%	0.107%
46	16.122	2258	2261	2266	rVB2	34918	54337	0.88%	0.074%
47	16.287	2285	2289	2294	rVB6	44364	66803	1.09%	0.091%
48	16.351	2294	2300	2301	rBV3	105424	154061	2.51%	0.210%
49	16.416	2308	2311	2316	rVB4	64162	83651	1.36%	0.114%
50	16.651	2344	2351	2356	rBV9	50961	142260	2.31%	0.194%
51	17.033	2411	2416	2425	rVB3	39341	69507	1.13%	0.095%
52	17.139	2425	2434	2440	rBV5	128912	260708	4.24%	0.356%
53	17.197	2440	2444	2452	rVB3	53567	105095	1.71%	0.143%
54	17.268	2452	2456	2465	rBV10	30843	59628	0.97%	0.081%
55	17.380	2467	2475	2479	rBV2	1167010	1785128	29.04%	2.436%
56	17.427	2479	2483	2487	rVV	644133	957867	15.58%	1.307%
57	17.479	2487	2492	2505	rVV2	2245082	3563665	57.98%	4.863%
58	17.573	2506	2508	2514	rVB7	24118	37141	0.60%	0.051%
59	17.779	2537	2543	2547	rVV2	59825	110672	1.80%	0.151%
60	17.873	2554	2559	2562	rBV3	39598	59574	0.97%	0.081%
61	18.026	2582	2585	2595	rVB3	36133	71705	1.17%	0.098%
62	18.267	2619	2626	2630	rBV2	761528	1183171	19.25%	1.615%
63	18.384	2642	2646	2651	rVB2	47288	74395	1.21%	0.102%
64	18.449	2651	2657	2661	rVV3	117867	244971	3.99%	0.334%
65	18.484	2661	2663	2668	rVB3	74480	90029	1.46%	0.123%
66	18.749	2702	2708	2711	rBV	77087	105359	1.71%	0.144%
67	18.790	2711	2715	2724	rVB2	64924	110297	1.79%	0.151%
68	18.995	2746	2750	2754	rBV6	37707	56347	0.92%	0.077%
69	19.048	2756	2759	2762	rVV4	22617	34698	0.56%	0.047%
70	19.166	2774	2779	2785	rBV3	70244	136120	2.21%	0.186%
71	19.236	2785	2791	2798	rVB4	115943	205136	3.34%	0.280%

LSC Area Percent Report

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Acq On : 29 Aug 2015 23:12
Operator : UM/MA
Sample : G3476-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCTJ9

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-BG080915.M
Title : SVOA CALIBRATION

72	19.301	2798	2802	2809	rBV3	52021	95649	1.56%	0.131%
73	19.430	2818	2824	2830	rVB	752874	1048290	17.06%	1.430%
74	19.536	2837	2842	2847	rBV3	161053	225023	3.66%	0.307%
75	19.765	2874	2881	2884	rBV	2411535	3650509	59.39%	4.981%
76	19.859	2894	2897	2903	rVB2	48553	74820	1.22%	0.102%
77	19.935	2906	2910	2913	rBV4	97398	141347	2.30%	0.193%
78	20.012	2919	2923	2931	rVB5	232193	331202	5.39%	0.452%
79	20.112	2936	2940	2946	rVB4	52420	122217	1.99%	0.167%
80	20.276	2959	2968	2973	rVB3	110284	284413	4.63%	0.388%
81	20.376	2982	2985	2987	rBV2	41188	51348	0.84%	0.070%
82	20.405	2987	2990	2992	rVV2	86890	110204	1.79%	0.150%
83	20.464	2993	3000	3006	rVB3	442841	775395	12.62%	1.058%
84	20.582	3016	3020	3023	rBV2	52786	66016	1.07%	0.090%
85	20.635	3023	3029	3033	rVV	4722534	6146442	100.00%	8.387%
86	20.670	3033	3035	3049	rVV2	1029234	1528060	24.86%	2.085%
87	20.776	3050	3053	3058	rVB2	75101	113509	1.85%	0.155%
88	21.040	3095	3098	3105	rVB	80280	130042	2.12%	0.177%
89	21.287	3133	3140	3149	rBV4	428007	874873	14.23%	1.194%
90	21.404	3157	3160	3167	rVB3	135258	205273	3.34%	0.280%
91	21.639	3192	3200	3205	rBV2	1281740	2469930	40.18%	3.370%
92	21.680	3205	3207	3216	rVB	295295	464759	7.56%	0.634%
93	21.874	3230	3240	3246	rBV	999074	1935892	31.50%	2.642%
94	22.362	3318	3323	3328	rBV3	237772	416535	6.78%	0.568%
95	22.432	3328	3335	3350	rVV	820625	1820543	29.62%	2.484%
96	23.102	3443	3449	3462	rVB	491907	1017536	16.55%	1.388%
97	23.819	3565	3571	3579	rBV2	140899	447355	7.28%	0.610%
98	24.542	3688	3694	3698	rBV4	69681	168333	2.74%	0.230%
99	24.618	3698	3707	3715	rVV	1082662	2772491	45.11%	3.783%
100	24.835	3735	3744	3756	rBV	655337	1898977	30.90%	2.591%

Sum of corrected areas: 73283355

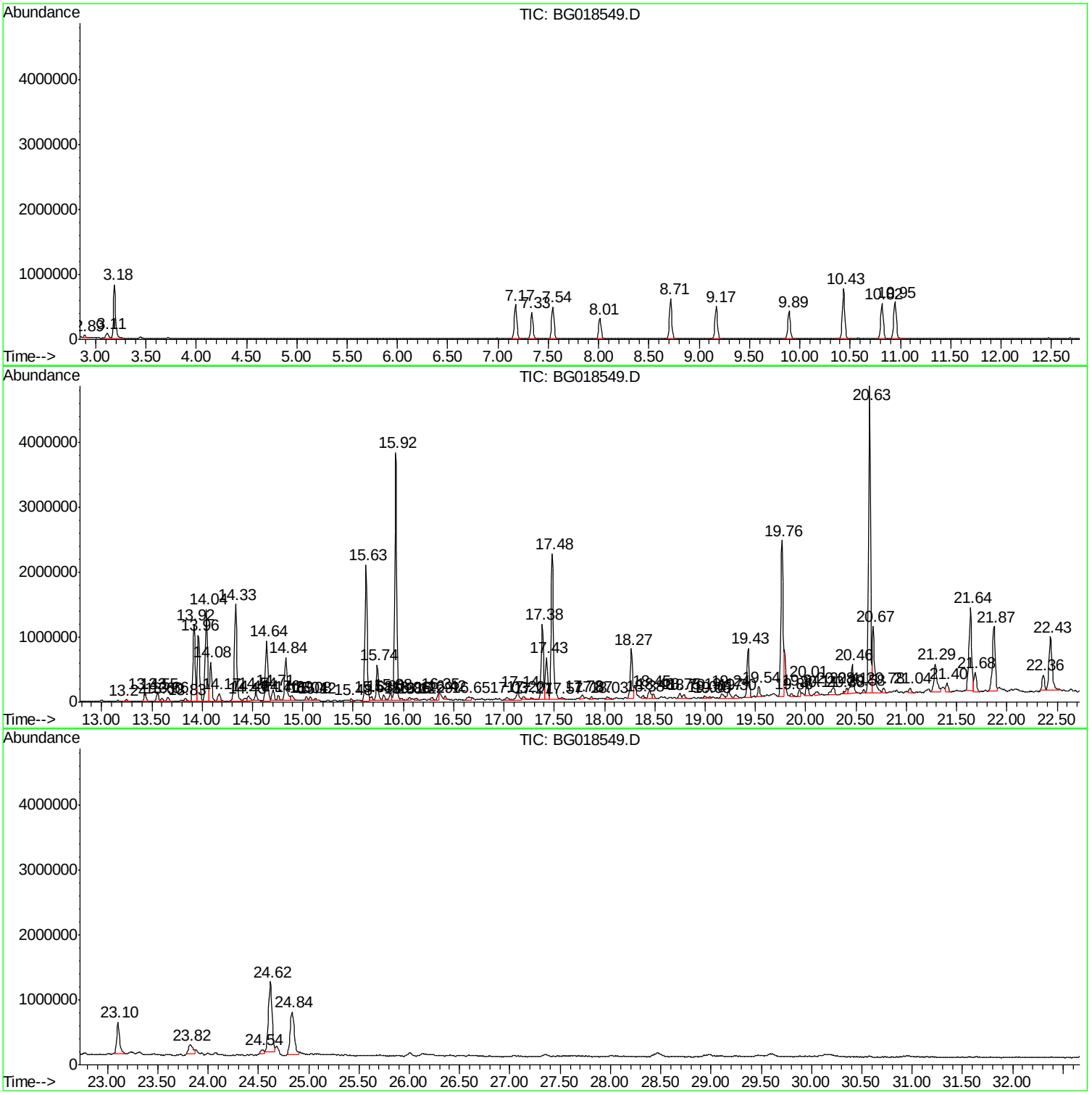
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
Data File : BG018549.D
Acq On : 29 Aug 2015 23:12
Operator : UM/MA
Sample : G3476-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCTJ9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
Data File : BG018549.D
Acq On : 29 Aug 2015 23:12
Operator : UM/MA
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Misc :
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Instrument : BNA_G
ClientSampleId : BCTJ9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

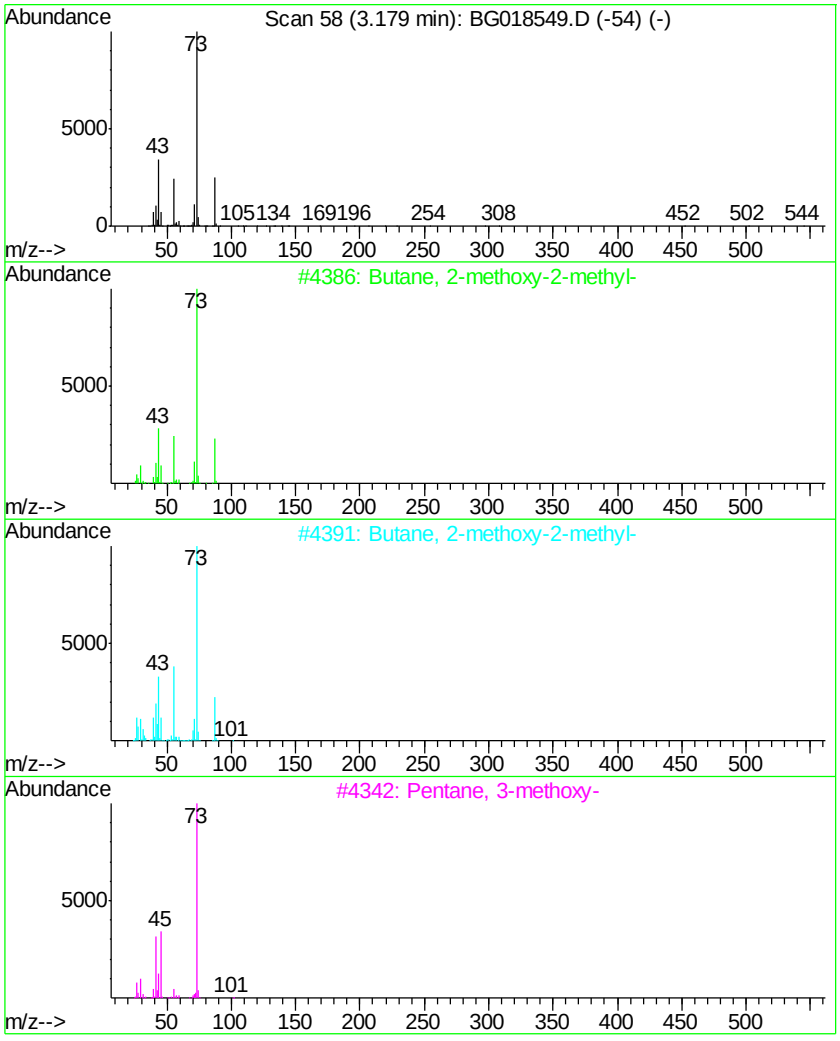
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

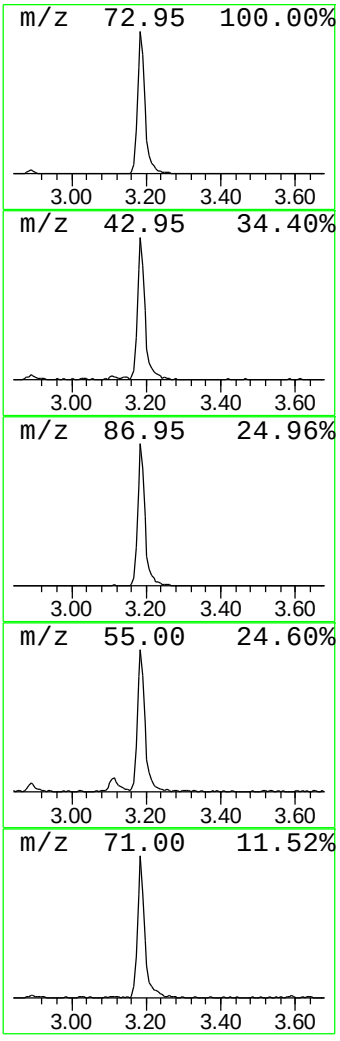
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	42.80 ng/ul	1164000	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
Data File : BG018549.D
Acq On : 29 Aug 2015 23:12
Operator : UM/MA
Sample : G3476-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCTJ9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

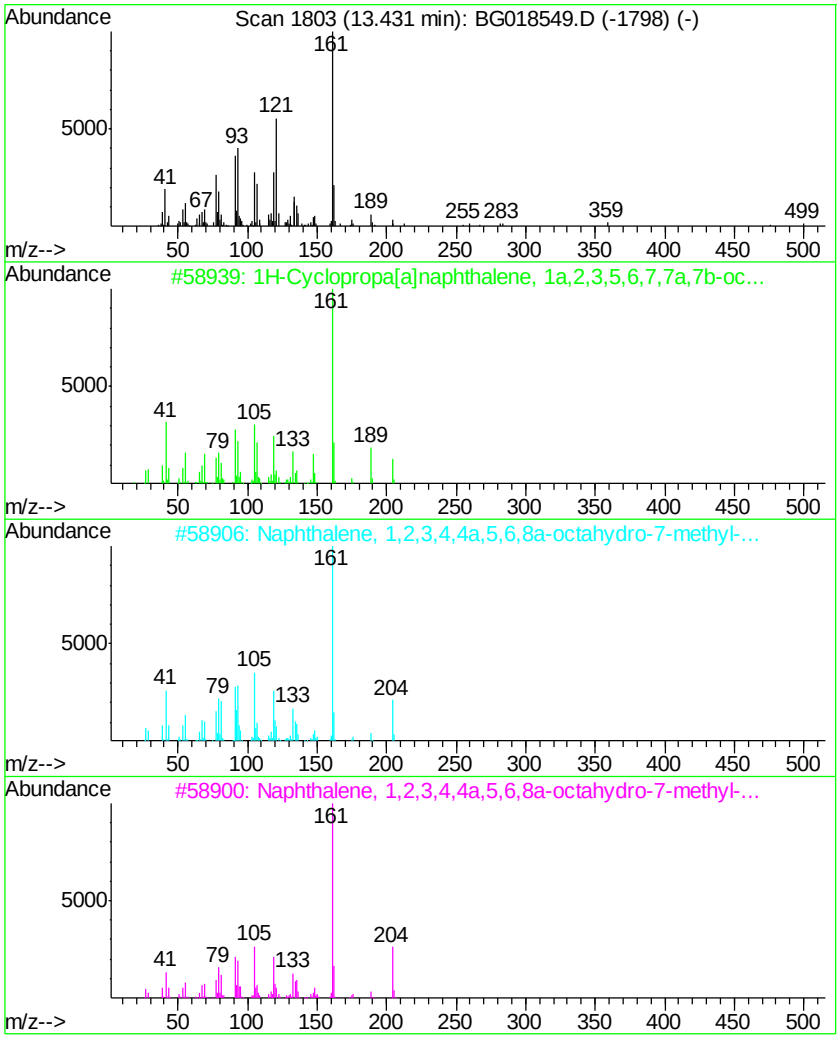
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

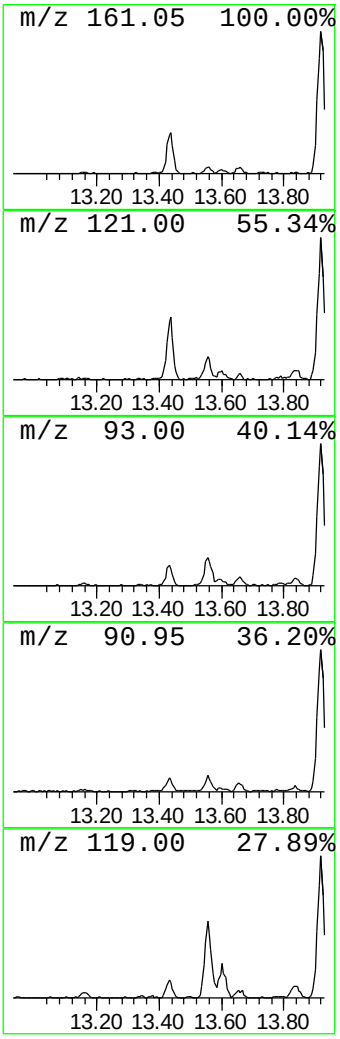
****

Peak Number 3 1H-Cyclopropa[a]naphthalene... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	2.39 ng/ul	177326	Acenaphthene-d10	14.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[a]naphthalene, 1a,...	204	C15H24	017334-55-3	80
2	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	039029-41-9	59
3	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	039029-41-9	59
4	Naphthalene, 1,2,3,5,6,8a-hexahy...	204	C15H24	000483-76-1	53
5	Naphthalene, 1,2,3,5,6,8a-hexahy...	204	C15H24	000483-76-1	40





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Sample : G3476-11
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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCTJ9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

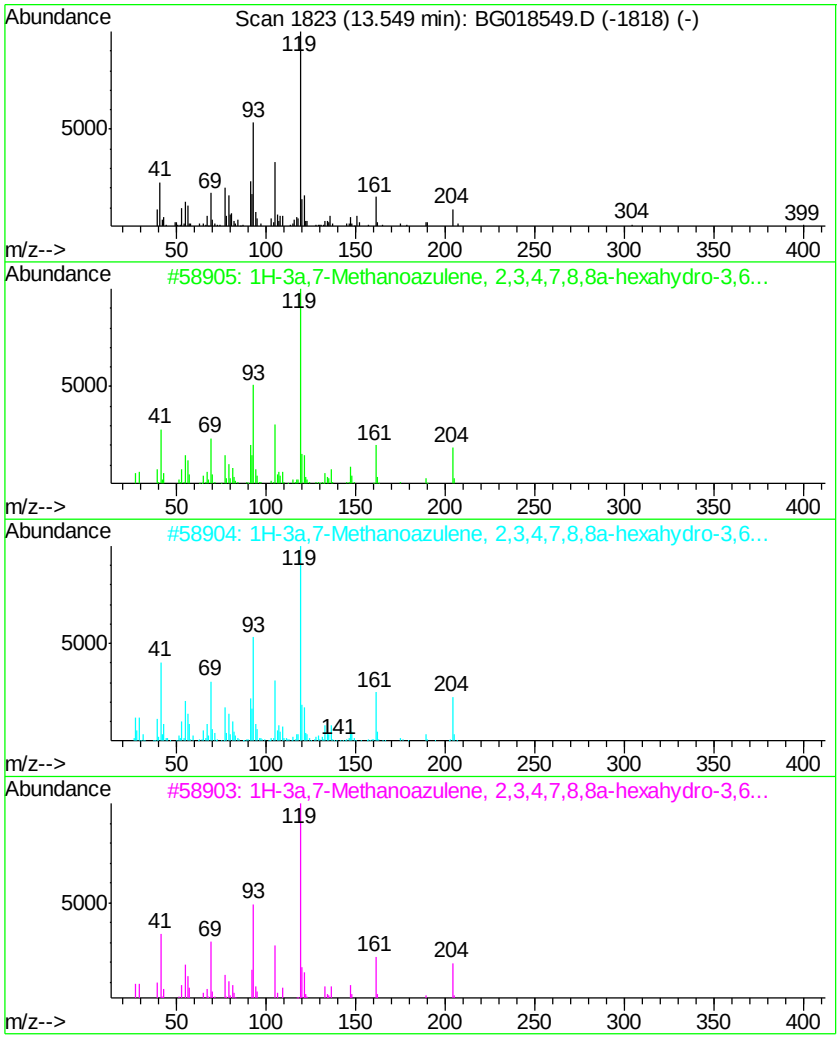
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

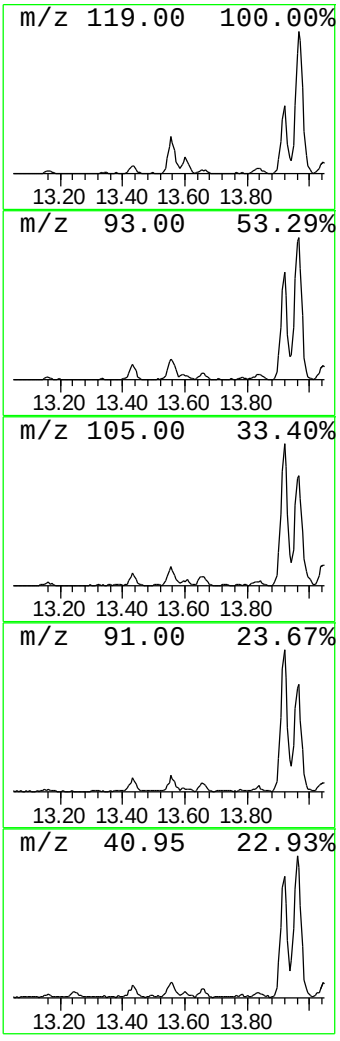
****

Peak Number 4 1H-3a,7-Methanoazulene, 2,3... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	2.59 ng/ul	192440	Acenaphthene-d10	14.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-3a,7-Methanoazulene, 2,3,4,7,...	204	C15H24	000469-61-4	93
2	1H-3a,7-Methanoazulene, 2,3,4,7,...	204	C15H24	000469-61-4	90
3	1H-3a,7-Methanoazulene, 2,3,4,7,...	204	C15H24	000469-61-4	86
4	1H-3a,7-Methanoazulene, 2,3,4,7,...	204	C15H24	000469-61-4	53
5	Di-epi-.alpha.-cedrene	204	C15H24	1000156-13-3	49





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
Data File : BG018549.D
Acq On : 29 Aug 2015 23:12
Operator : UM/MA
Sample : G3476-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCTJ9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

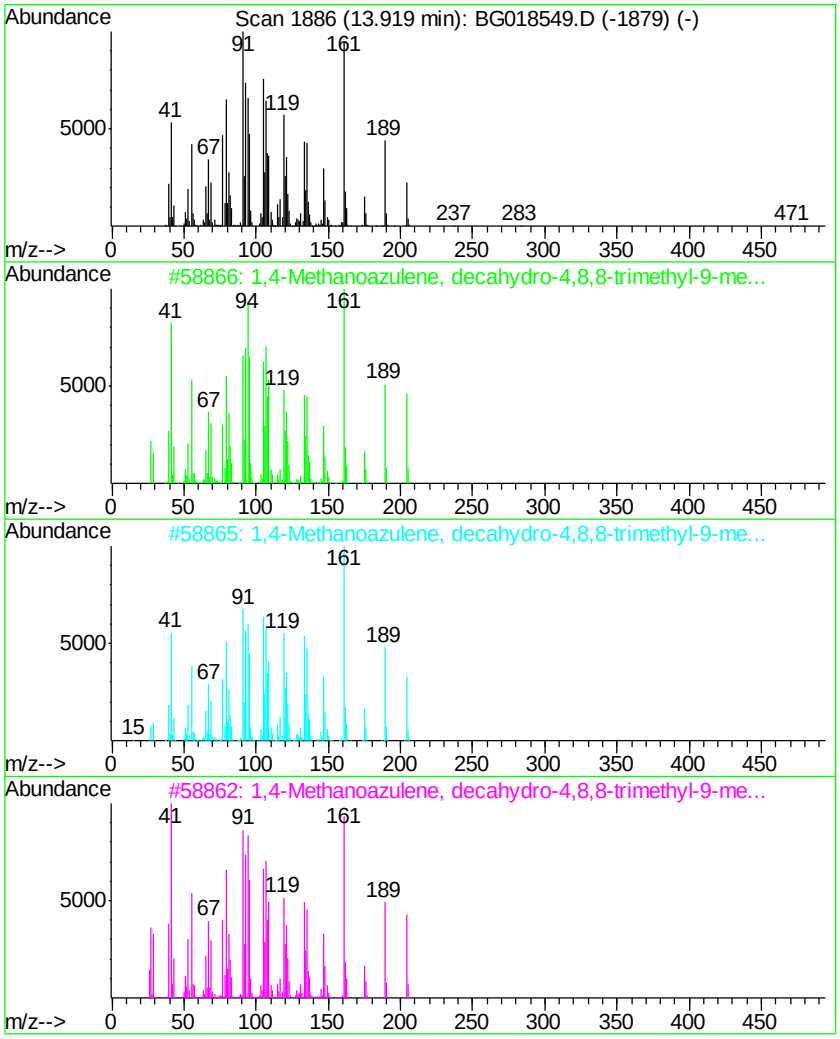
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

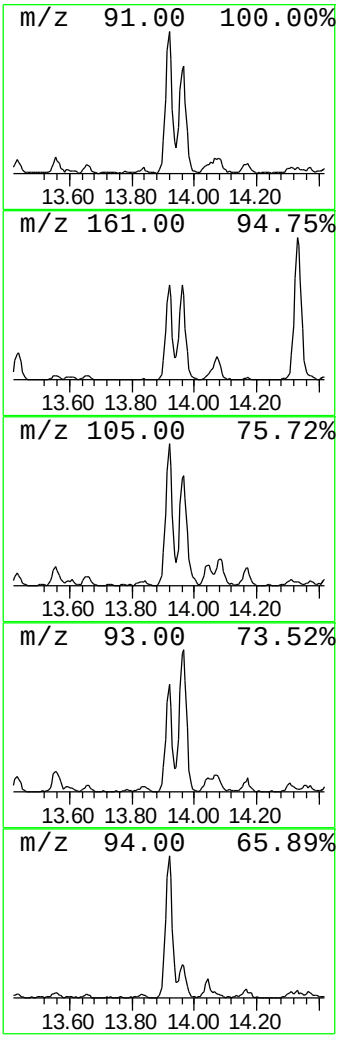
****

Peak Number 5 1,4-Methanoazulene, decahyd... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	24.48 ng/ul	1819350	Acenaphthene-d10	14.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Methanoazulene, decahydro-4,...	204	C15H24	000475-20-7	99
2	1,4-Methanoazulene, decahydro-4,...	204	C15H24	000475-20-7	99
3	1,4-Methanoazulene, decahydro-4,...	204	C15H24	000475-20-7	99
4	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	97
5	Naphthalene, 1,2,4a,5,6,8a-hexah...	204	C15H24	000483-75-0	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
Data File : BG018549.D
Acq On : 29 Aug 2015 23:12
Operator : UM/MA
Sample : G3476-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCTJ9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

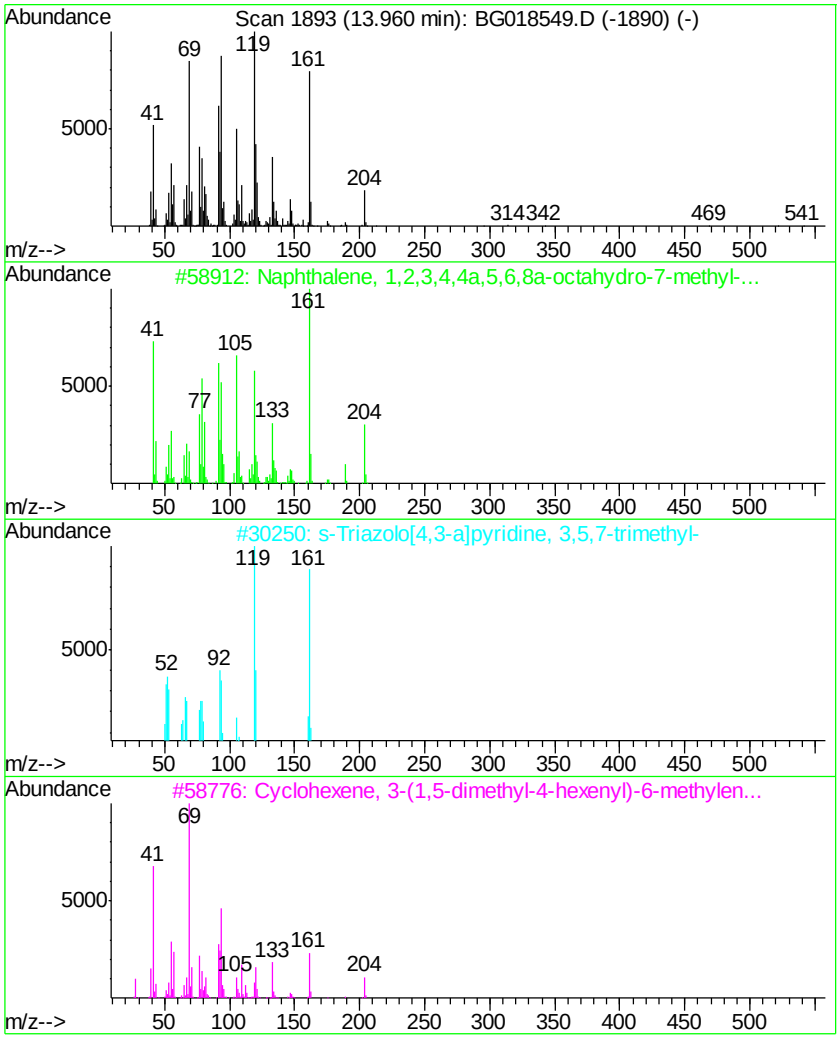
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

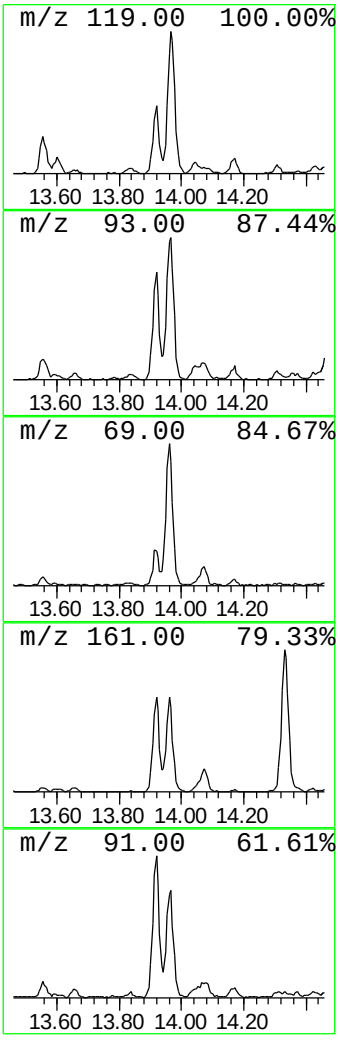
****

Peak Number 6 Naphthalene, 1,2,3,4,4a,5,6... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	21.70 ng/ul	1612680	Acenaphthene-d10	14.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	030021-74-0	51
2	s-Triazolo[4,3-a]pyridine, 3,5,7...	161	C9H11N3	004919-15-7	49
3	Cyclohexene, 3-(1,5-dimethyl-4-h...	204	C15H24	020307-83-9	46
4	Cyclohexene, 6-ethenyl-6-methyl-...	204	C15H24	005951-67-7	45
5	Cyclohexene, 3-(1,5-dimethyl-4-h...	204	C15H24	020307-83-9	41





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Acq On : 29 Aug 2015 23:12
Operator : UM/MA
Sample : G3476-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCTJ9

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Quant Title : SVOA CALIBRATION

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

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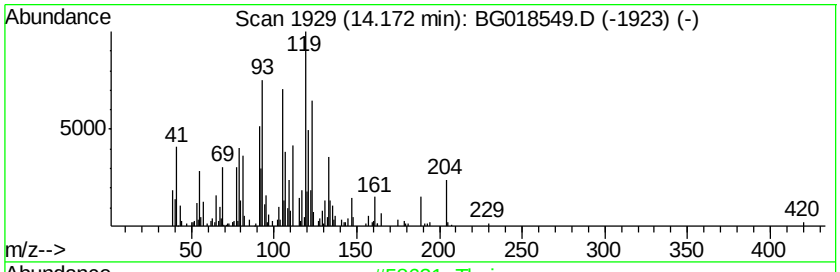
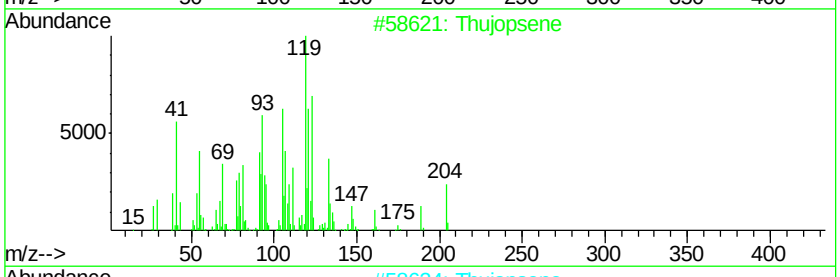
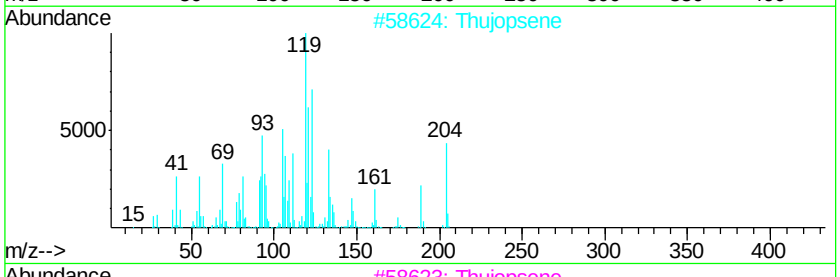
Peak Number 7 Thujopsene Concentration Rank 18

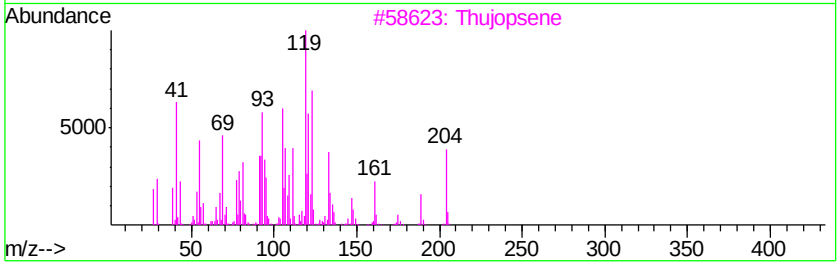
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.17	2.65 ng/ul	197023	Acenaphthene-d10	14.64

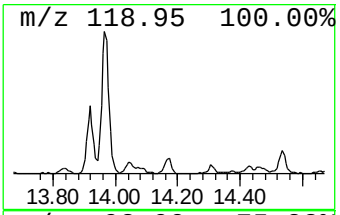
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thujopsene	204	C15H24	000470-40-6	94
2	Thujopsene	204	C15H24	000470-40-6	93
3	Thujopsene	204	C15H24	000470-40-6	83
4	Tricyclo[5.4.0.0(2,8)]undec-9-en...	204	C15H24	005989-08-2	64
5	Di-epi-.alpha.-cedrene	204	C15H24	1000156-13-3	55

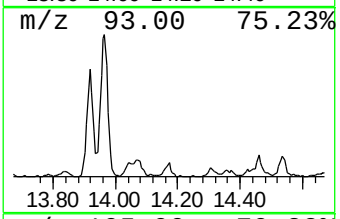


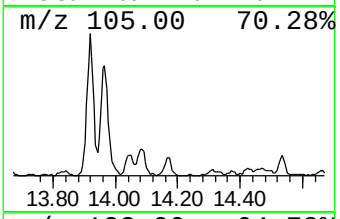


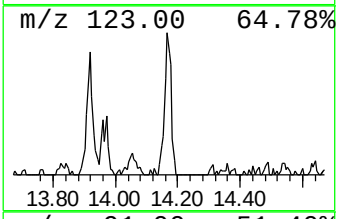


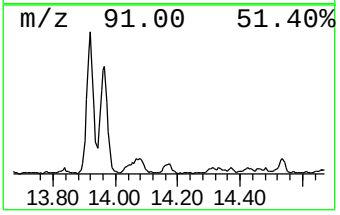












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Data File : BG018549.D
Acq On : 29 Aug 2015 23:12
Operator : UM/MA
Sample : G3476-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCTJ9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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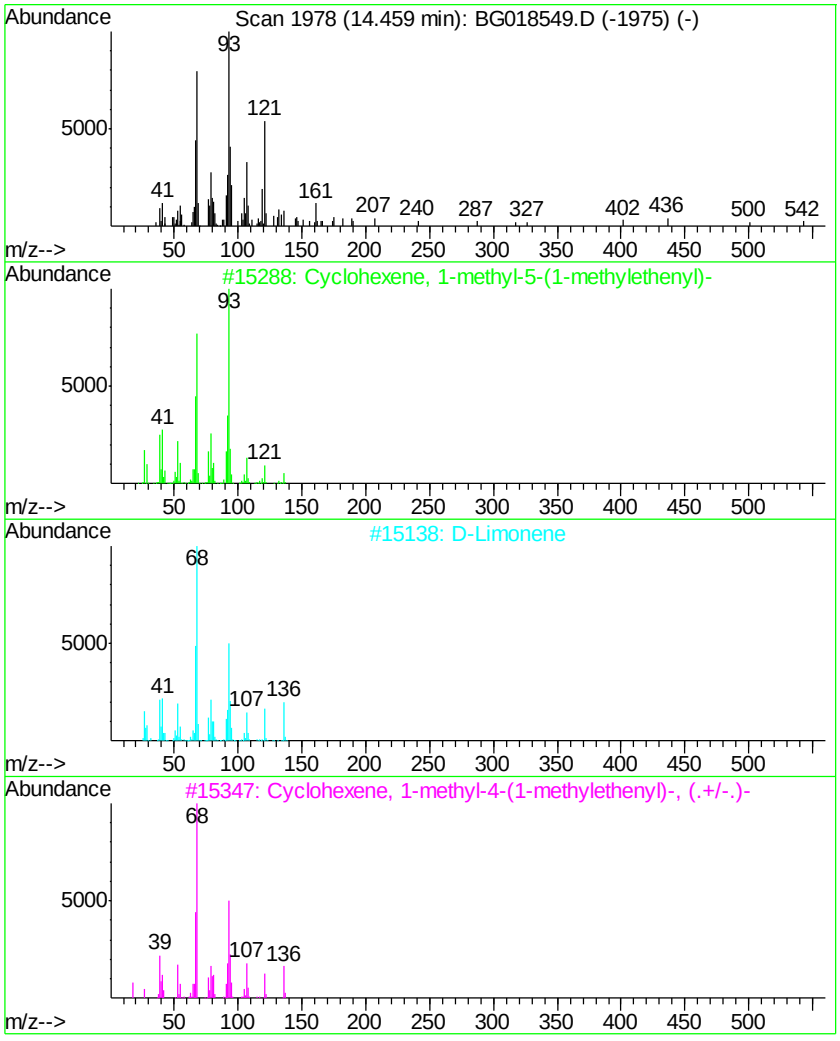
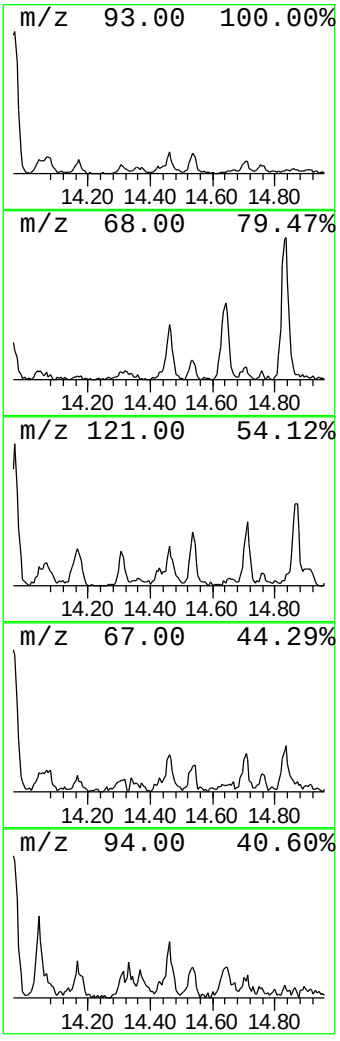
Peak Number 8 Cyclohexene, 1-methyl-5-(1-... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	2.03 ng/ul	150692	Acenaphthene-d10	14.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-5-(1-methy...	136	C10H16	013898-73-2	81
2	D-Limonene	136	C10H16	005989-27-5	72
3	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	007705-14-8	72
4	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	64
5	Camphene	136	C10H16	000079-92-5	52





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Sample : G3476-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCTJ9

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Quant Title : SVOA CALIBRATION

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

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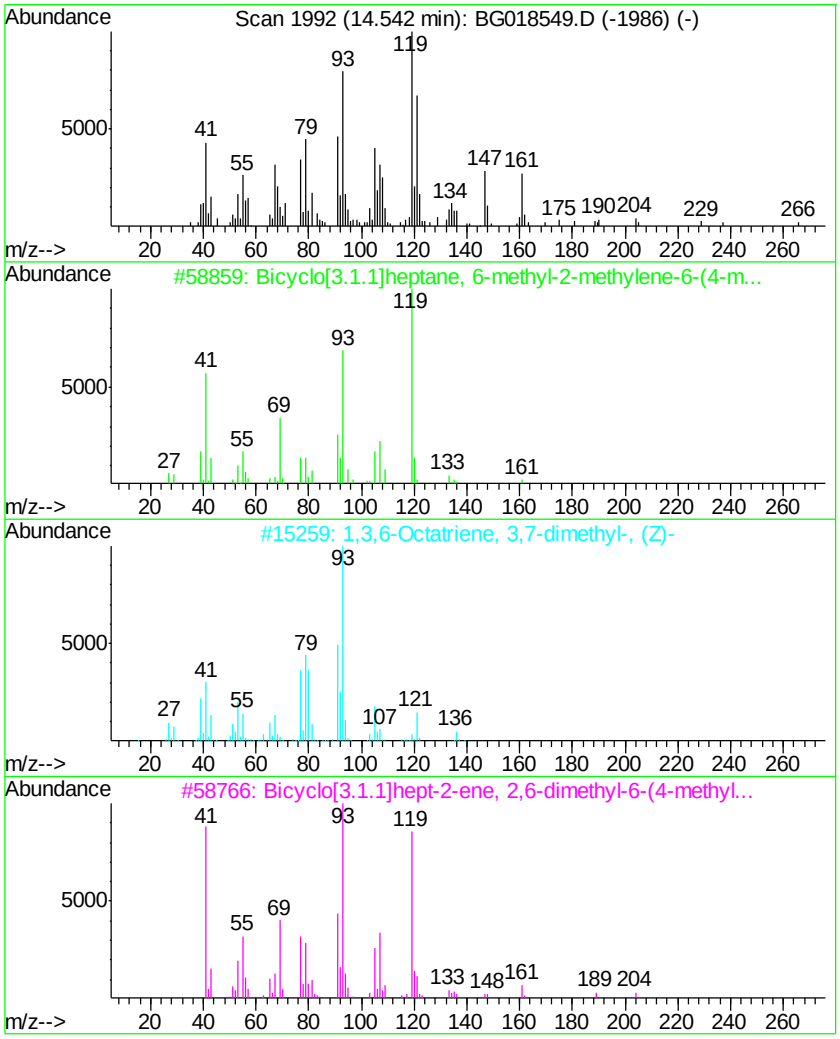
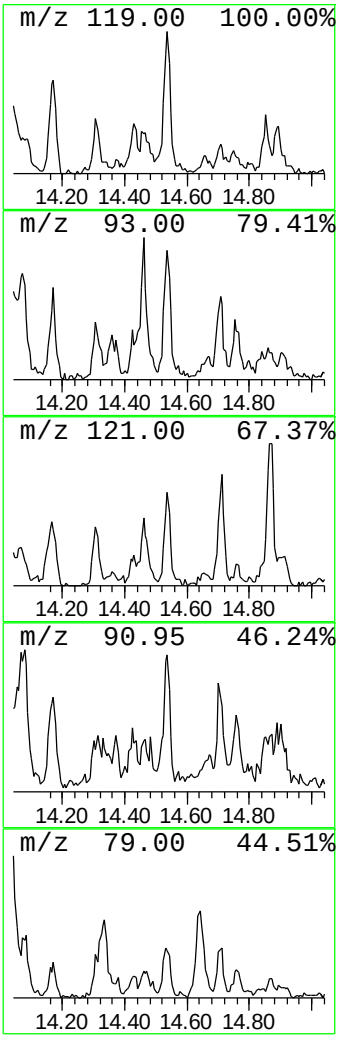
Peak Number 9 Bicyclo[3.1.1]heptane, 6-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	2.50 ng/ul	186063	Acenaphthene-d10	14.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 6-methyl-...	204	C15H24	055123-21-2	50
2	1,3,6-Octatriene, 3,7-dimethyl-,...	136	C10H16	003338-55-4	46
3	Bicyclo[3.1.1]hept-2-ene, 2,6-di...	204	C15H24	017699-05-7	43
4	1,3,6-Octatriene, 3,7-dimethyl-,...	136	C10H16	003338-55-4	30
5	Cyclohexene, 4-(1,5-dimethyl-1,4...	204	C15H24	017627-44-0	27





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Operator : UM/MA
Sample : G3476-11
Misc :
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Instrument : BNA_G
ClientSampleId : BCTJ9

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Quant Title : SVOA CALIBRATION

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

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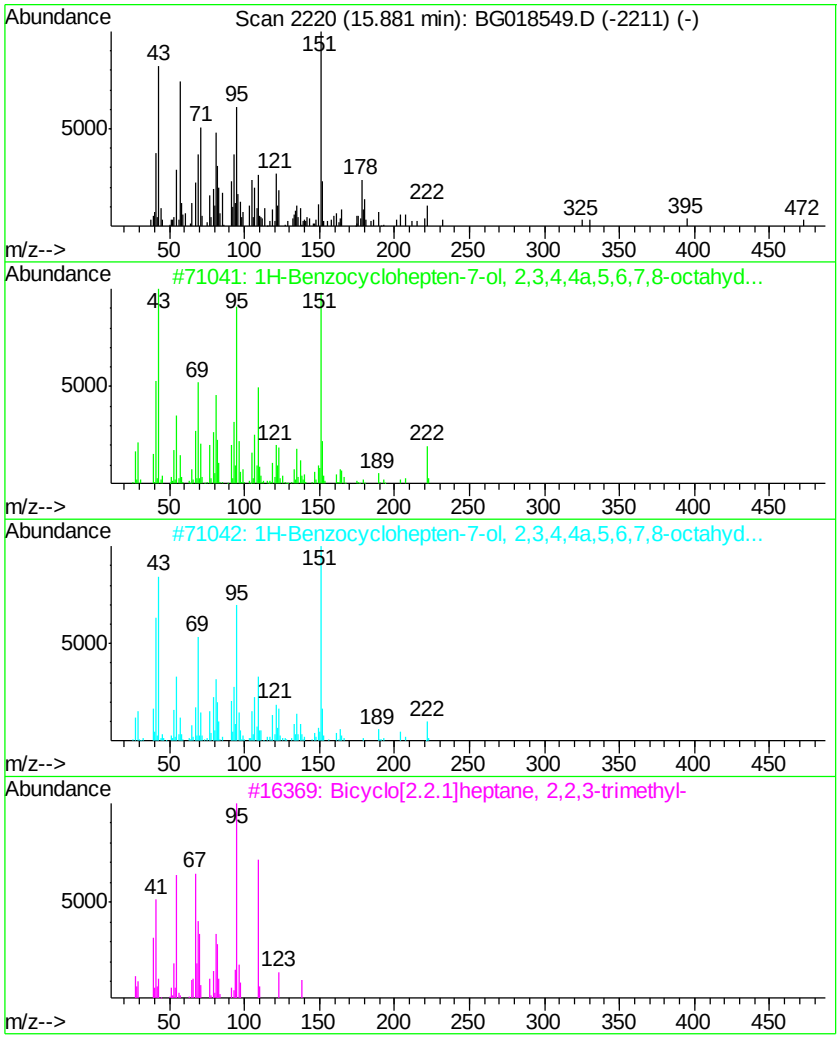
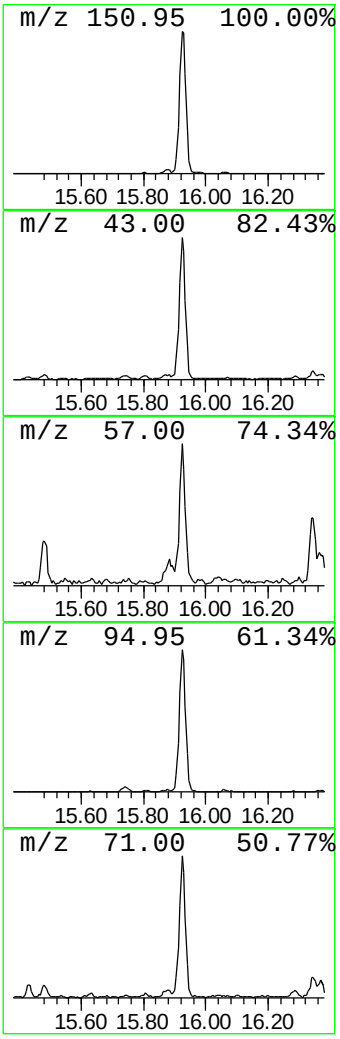
Peak Number 10 1H-Benzocyclohepten-7-ol, 2... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	2.30 ng/ul	171151	Acenaphthene-d10	14.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzocyclohepten-7-ol, 2,3,4,...	222	C15H26O	006892-80-4	78
2	1H-Benzocyclohepten-7-ol, 2,3,4,...	222	C15H26O	006892-80-4	42
3	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	42
4	(4-Fluorophenyl)acetone	152	C9H9FO	000459-03-0	38
5	1,4-Methanoazulene-9-methanol, d...	222	C15H26O	001139-17-9	35





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Instrument : BNA_G
ClientSampleId : BCTJ9

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Quant Title : SVOA CALIBRATION

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

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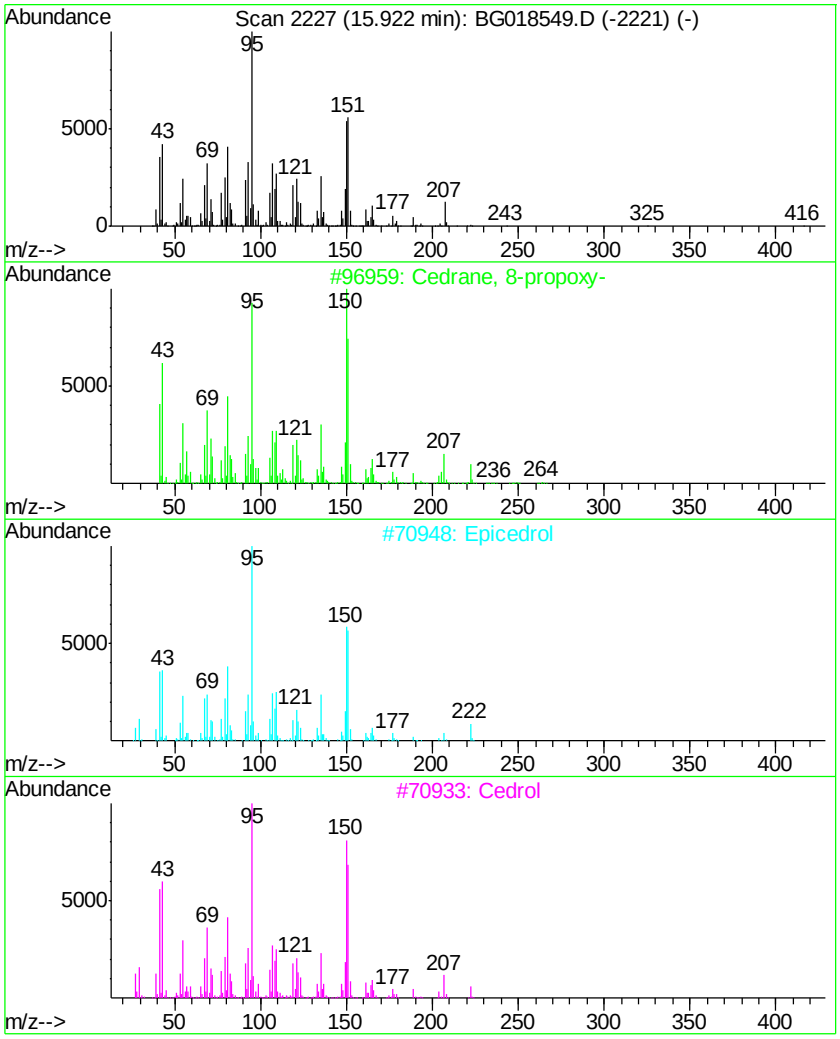
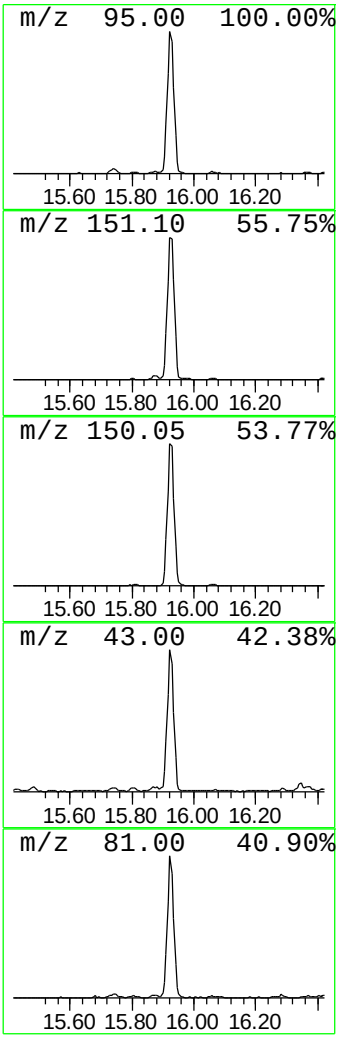
Peak Number 11 Cedrane, 8-propoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	74.40 ng/ul	5529000	Acenaphthene-d10	14.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cedrane, 8-propoxy-	264	C18H32O	019870-75-8	91
2	Epicedrol	222	C15H26O	1000156-22-8	90
3	Cedrol	222	C15H26O	000077-53-2	87
4	Cedrol	222	C15H26O	000077-53-2	86
5	Piperonylamine	151	C8H9NO2	002620-50-0	38





Library Search Compound Report

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Operator : UM/MA
Sample : G3476-11
Misc :
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Instrument : BNA_G
ClientSampleId : BCTJ9

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Quant Title : SVOA CALIBRATION

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

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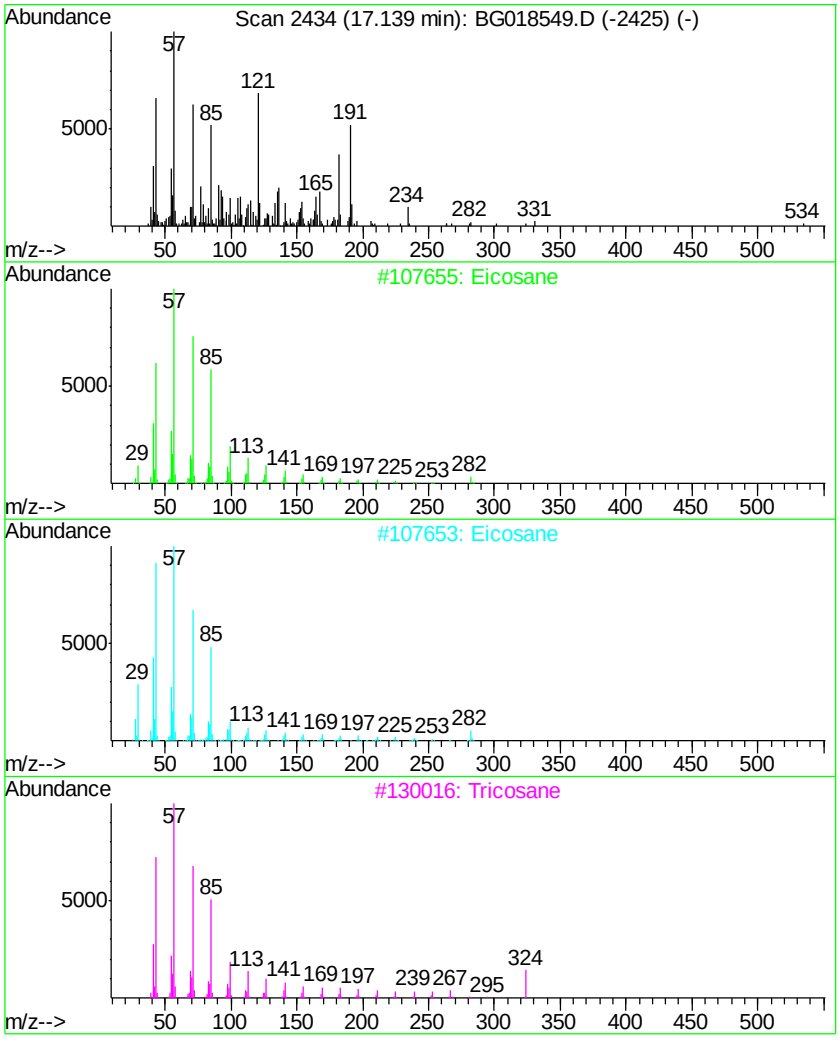
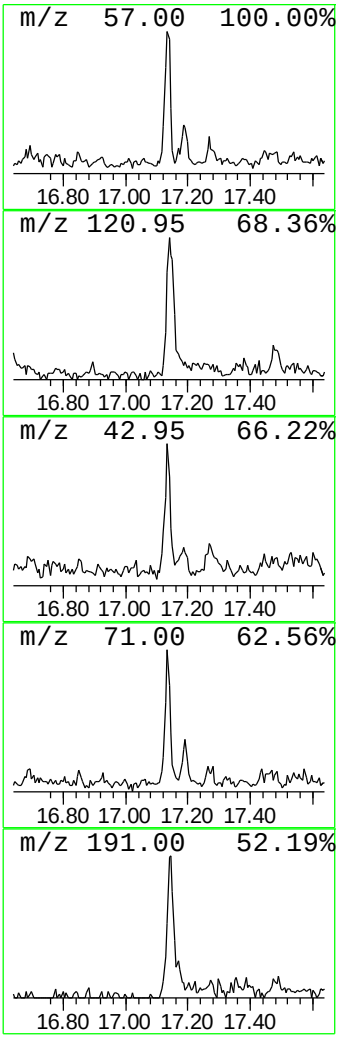
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	2.92 ng/ul	260708	Phenanthrene-d10	17.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	51
2	Eicosane	282	C20H42	000112-95-8	47
3	Tricosane	324	C23H48	000638-67-5	42
4	Eicosane	282	C20H42	000112-95-8	42
5	Tricosane	324	C23H48	000638-67-5	38





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Misc :
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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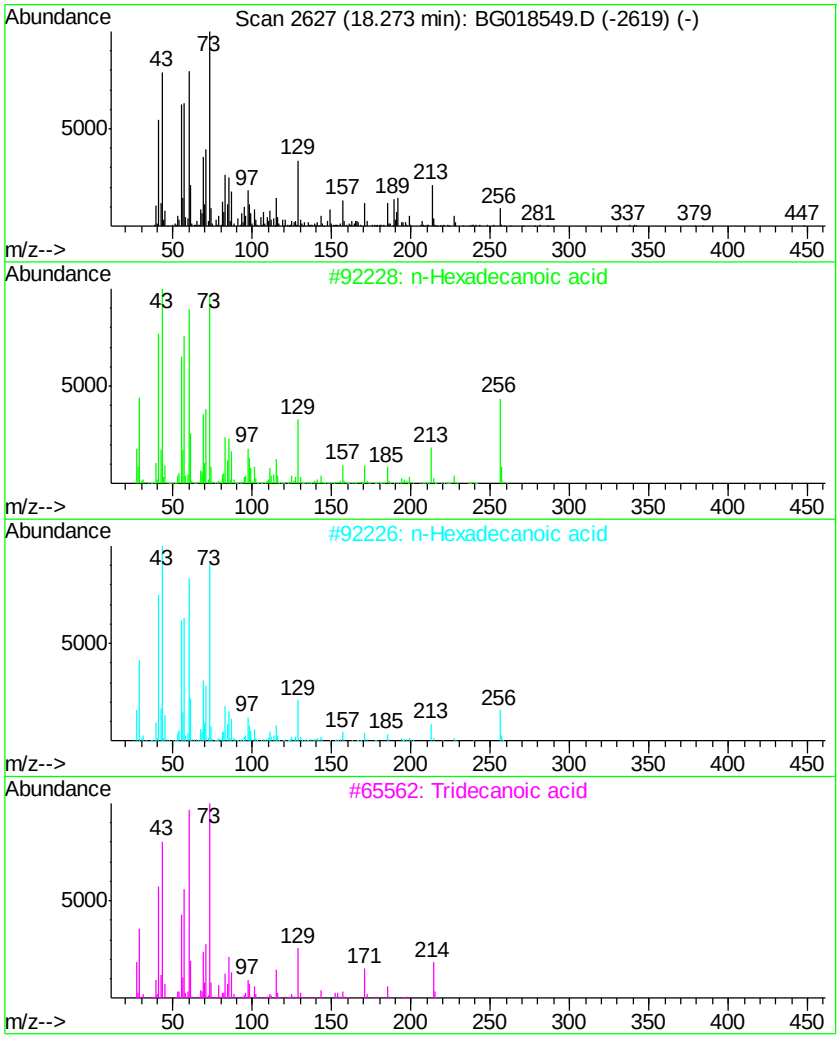
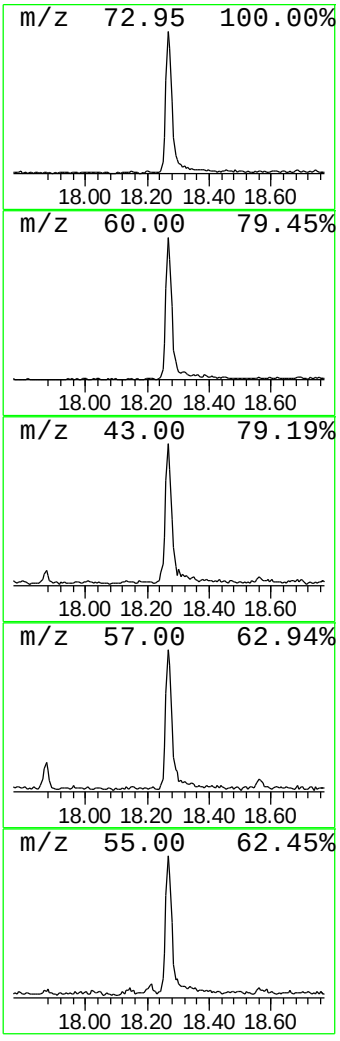
Peak Number 13 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	13.26 ng/ul	1183170	Phenanthrene-d10	17.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
3	Tridecanoic acid	214	C13H26O2	000638-53-9	68
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	Tridecanoic acid	214	C13H26O2	000638-53-9	64





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Instrument : BNA_G
ClientSampleId : BCTJ9

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Quant Title : SVOA CALIBRATION

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

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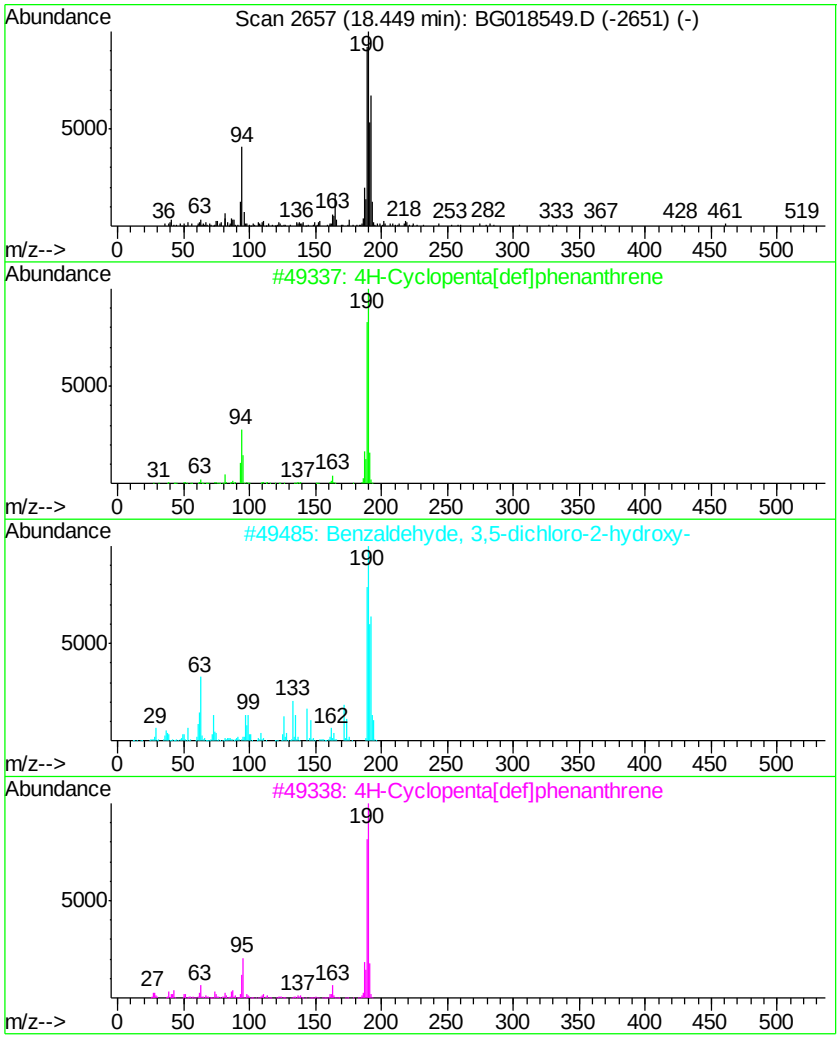
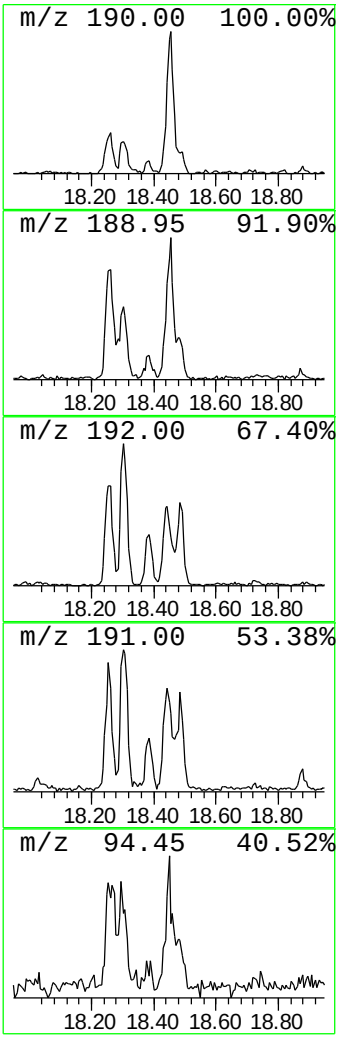
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	2.74 ng/ul	244971	Phenanthrene-d10	17.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	47
5	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	35





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Quant Title : SVOA CALIBRATION

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

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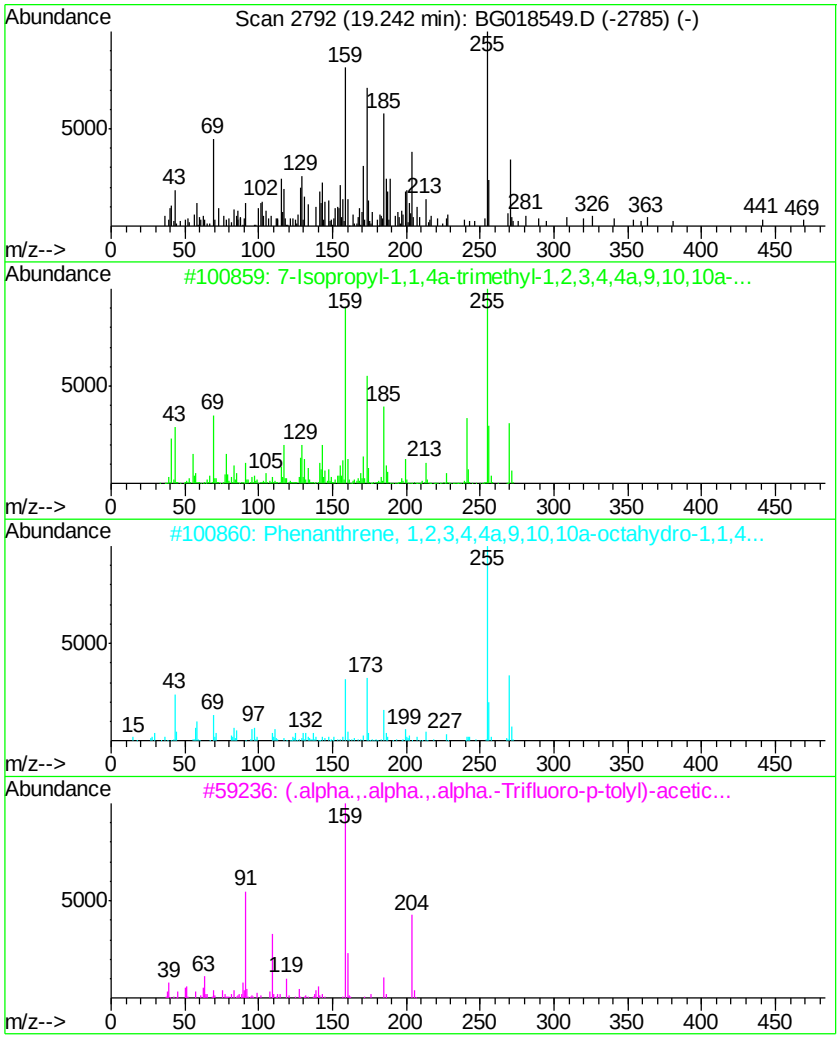
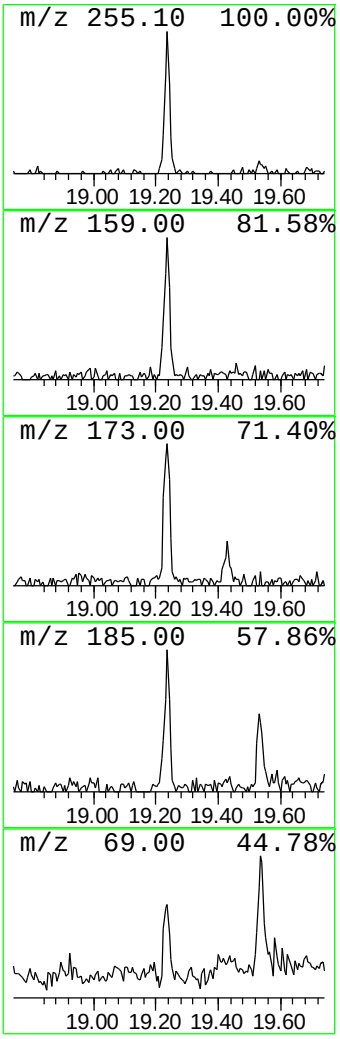
Peak Number 15 7-Isopropyl-1,1,4a-trimethy... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	2.30 ng/ul	205136	Phenanthrene-d10	17.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Isopropyl-1,1,4a-trimethyl-1,2...	270	C20H30	1000210-28-9	62
2	Phenanthrene, 1,2,3,4,4a,9,10,10...	270	C20H30	019407-28-4	30
3	(.alpha.,.alpha.,.alpha.-Trifluo...	204	C9H7F3O2	032857-62-8	22
4	1-Phenanthrenecarboxaldehyde, 1,...	284	C20H28O	024035-50-5	22
5	Benzeneacetic acid, 3-(trifluoro...	204	C9H7F3O2	000351-35-9	18





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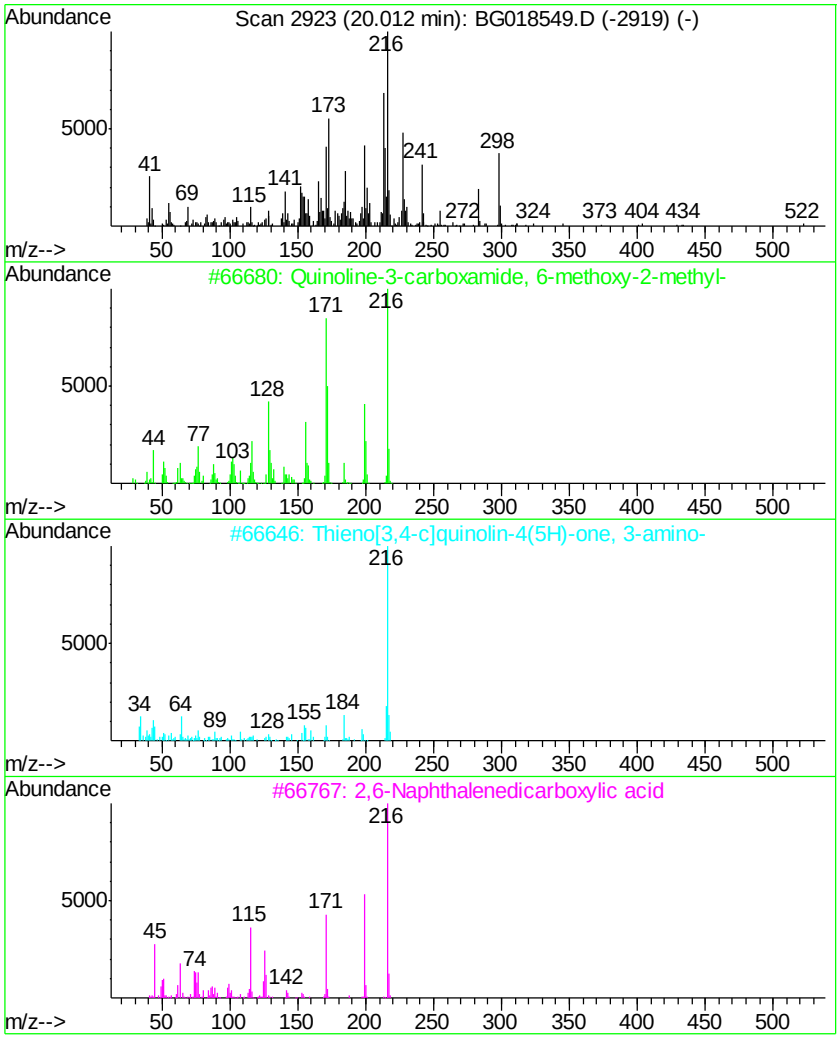
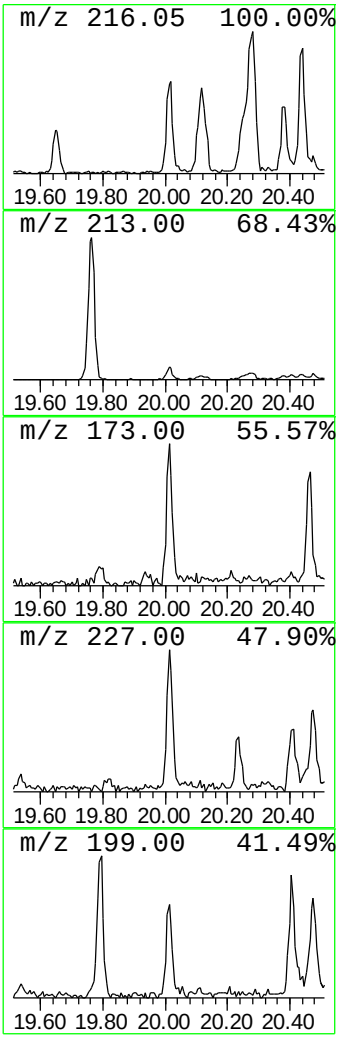
Peak Number 16 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.01	2.68 ng/ul	331202	Chrysene-d12	21.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline-3-carboxamide, 6-metho...	216	C12H12N2O2	300860-46-2	46
2	Thieno[3,4-c]quinolin-4(5H)-one,...	216	C11H8N2OS	182753-06-6	25
3	2,6-Naphthalenedicarboxylic acid	216	C12H8O4	001141-38-4	22
4	Pyrimidine, 2,4-diamino-6-ethyl-...	214	C12H14N4	027653-49-2	15
5	2H-Furo[2,3-h]-1-benzopyran-2-on...	216	C12H8O4	000482-48-4	14





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Data File : BG018549.D
Acq On : 29 Aug 2015 23:12
Operator : UM/MA
Sample : G3476-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCTJ9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

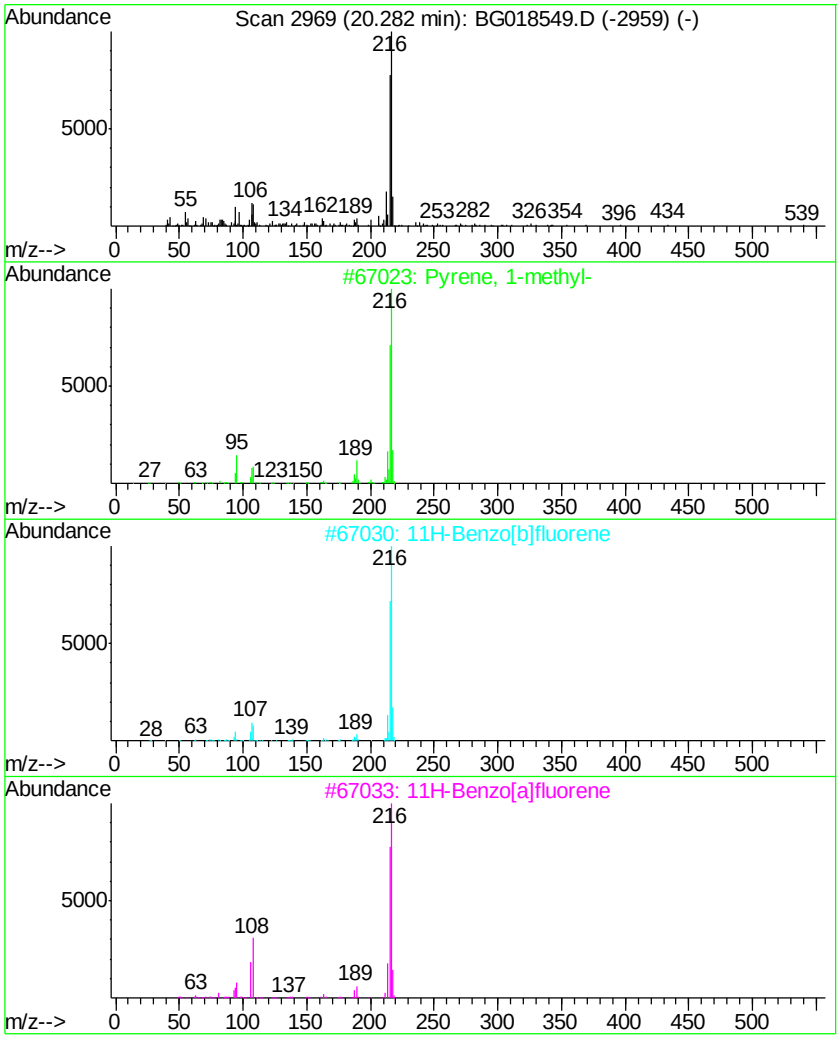
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

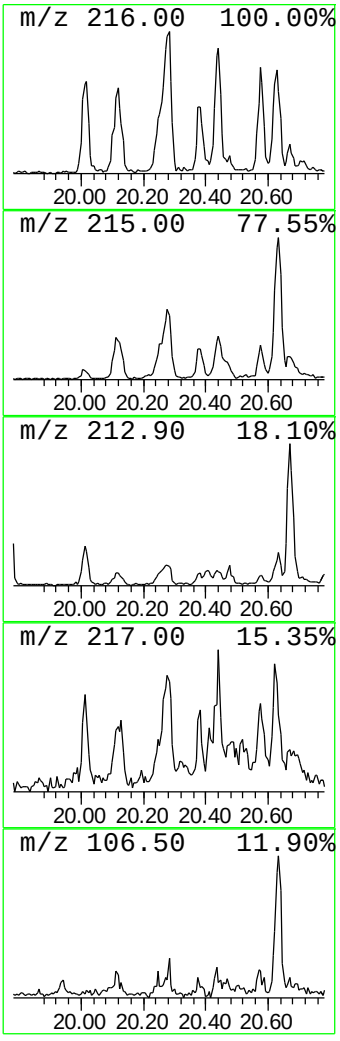
****

Peak Number 17 Pyrene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.28	2.30 ng/ul	284413	Chrysene-d12	21.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





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Acq On : 29 Aug 2015 23:12
Operator : UM/MA
Sample : G3476-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCTJ9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

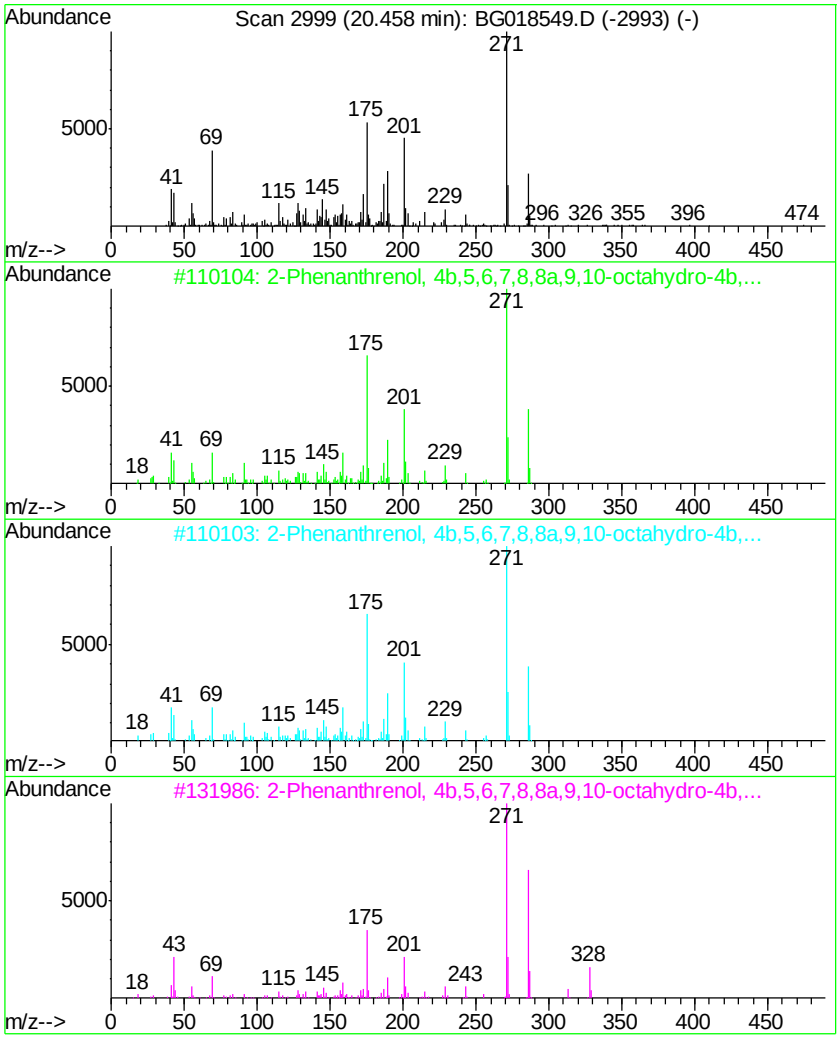
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

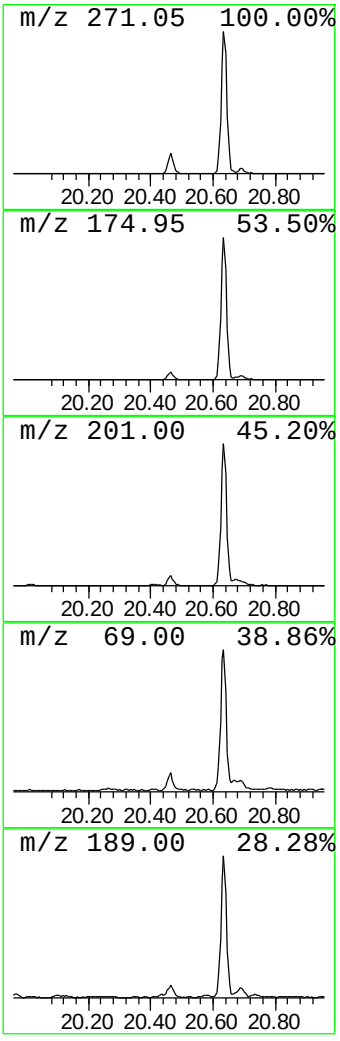
****

Peak Number 18 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.46	6.28 ng/ul	775395	Chrysene-d12	21.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	93
2	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	83
3	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	328	C22H32O2	015340-82-6	40
4	Crinan-1-one	271	C16H17NO3	098301-98-5	35
5	13-Isopropylpodocarpen-12-ol-20-al	300	C20H28O2	024035-37-8	25





Library Search Compound Report

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Data File : BG018549.D
Acq On : 29 Aug 2015 23:12
Operator : UM/MA
Sample : G3476-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCTJ9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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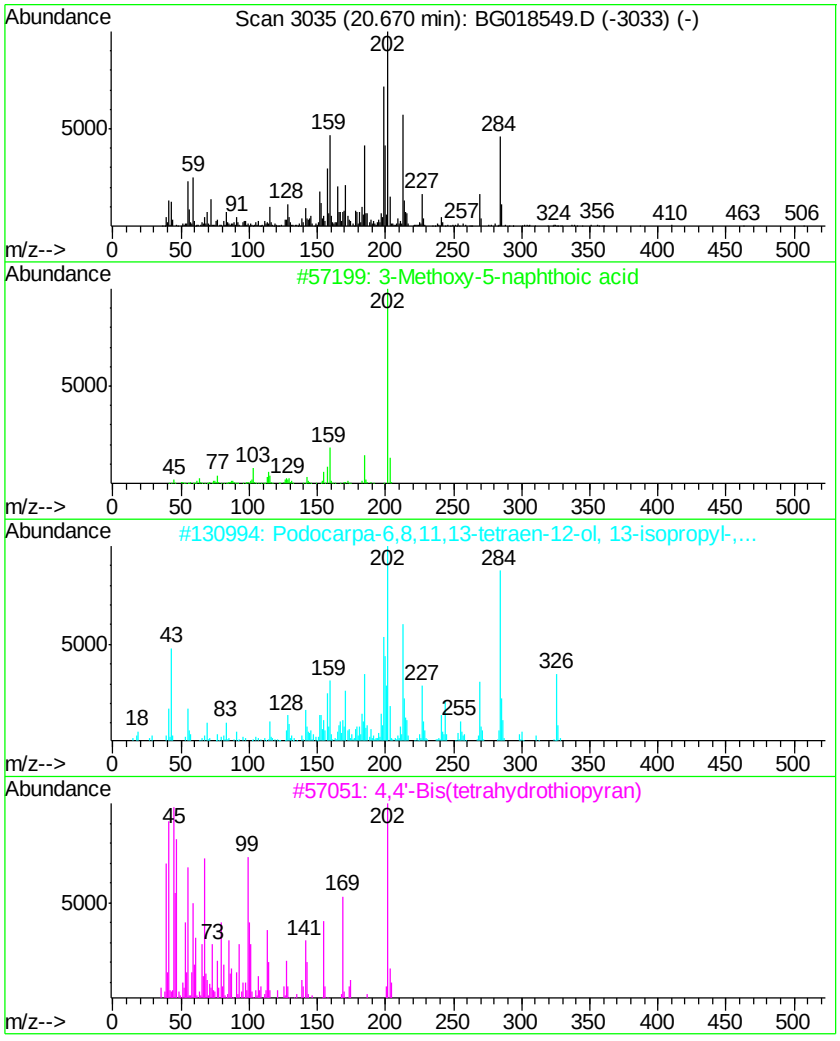
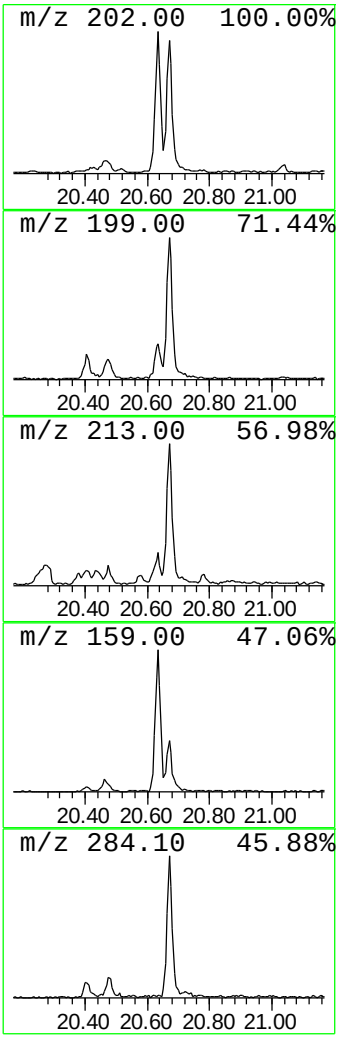
Peak Number 20 unknown-02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.67	12.37 ng/ul	1528060	Chrysene-d12	21.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methoxy-5-naphthoic acid	202	C12H10O3	007498-58-0	42
2	Podocarpa-6,8,11,13-tetraen-12-o...	326	C22H30O2	022160-86-7	35
3	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	25
4	8-Hydroxy-naphthoic acid, methyl...	202	C12H10O3	005991-56-0	18
5	Oxadiazolo[3,4-a]pyridazino[4,3-...	202	C10H10N4O	1000260-59-4	18





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Acq On : 29 Aug 2015 23:12
Operator : UM/MA
Sample : G3476-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCTJ9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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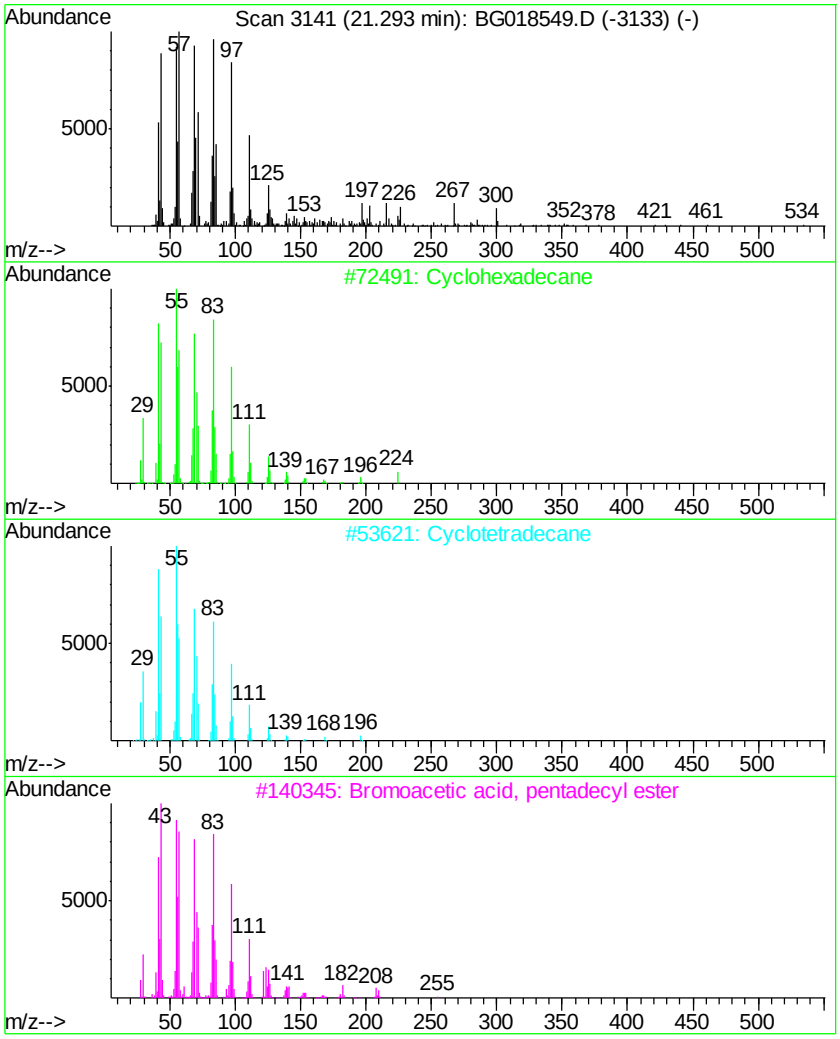
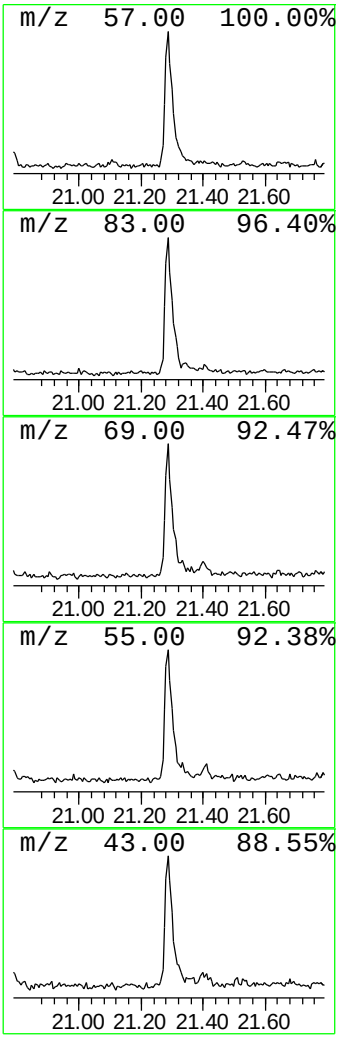
Peak Number 21 (DEL) Alkane: Cyclic21.29 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.29	7.08 ng/ul	874873	Chrysene-d12	21.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	91
2	Cyclotetradecane	196	C14H28	000295-17-0	86
3	Bromoacetic acid, pentadecyl ester	348	C17H33BrO2	131143-01-6	81
4	Cyclotetracosane	336	C24H48	000297-03-0	81
5	1-Tricosene	322	C23H46	018835-32-0	76





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
Data File : BG018549.D
Acq On : 29 Aug 2015 23:12
Operator : UM/MA
Sample : G3476-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCTJ9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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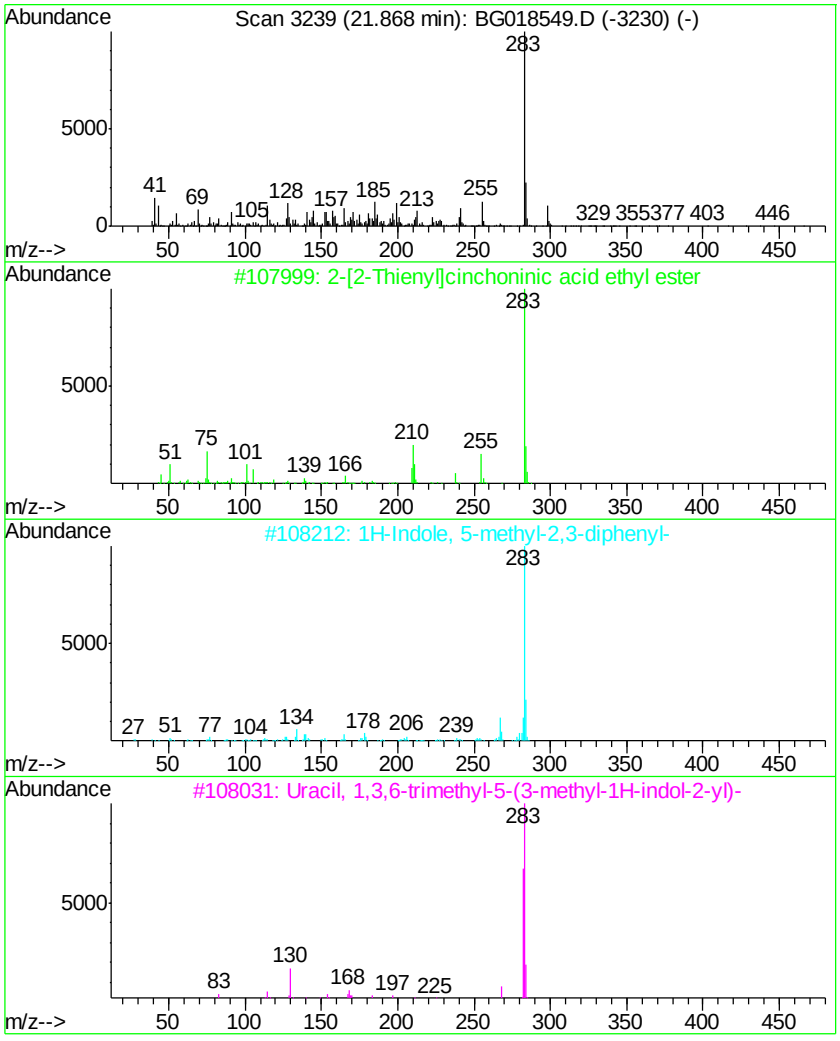
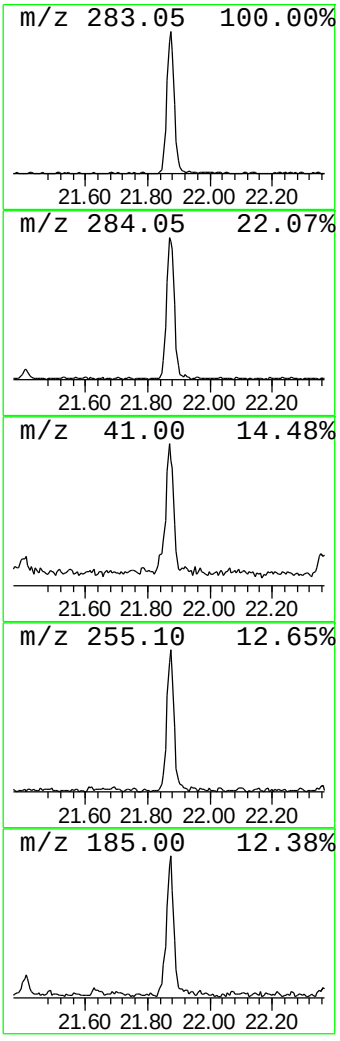
Peak Number 22 2-[2-Thienyl]cinchoninic ac... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.87	15.68 ng/ul	1935890	Chrysene-d12	21.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-Thienyl]cinchoninic acid et...	283	C16H13NO2S	071224-35-6	52
2	1H-Indole, 5-methyl-2,3-diphenyl-	283	C21H17N	036804-50-9	49
3	Uracil, 1,3,6-trimethyl-5-(3-met...	283	C16H17N3O2	123739-89-9	49
4	Uracil, 1,3,6-trimethyl-5-(3-met...	283	C16H17N3O2	123739-89-9	49
5	2(1H)-Phenanthrenone, 4a,9,10,10...	298	C20H26O2	018326-19-7	42





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
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Acq On : 29 Aug 2015 23:12
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Sample : G3476-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCTJ9

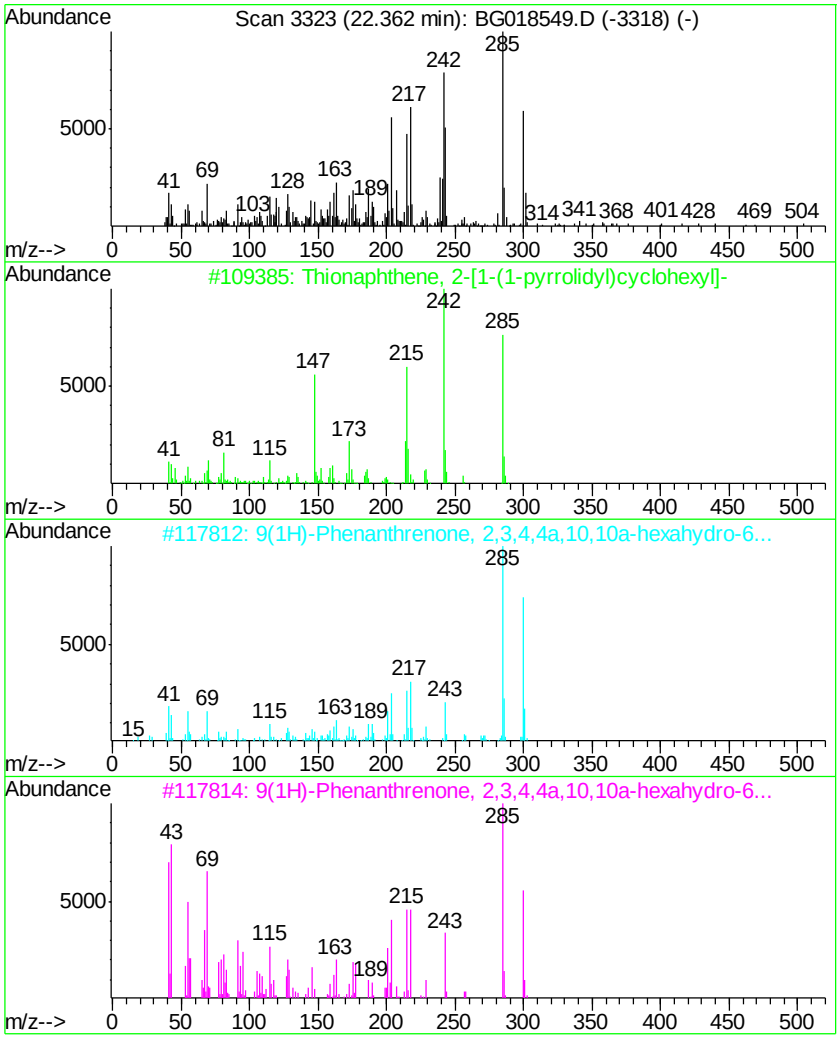
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

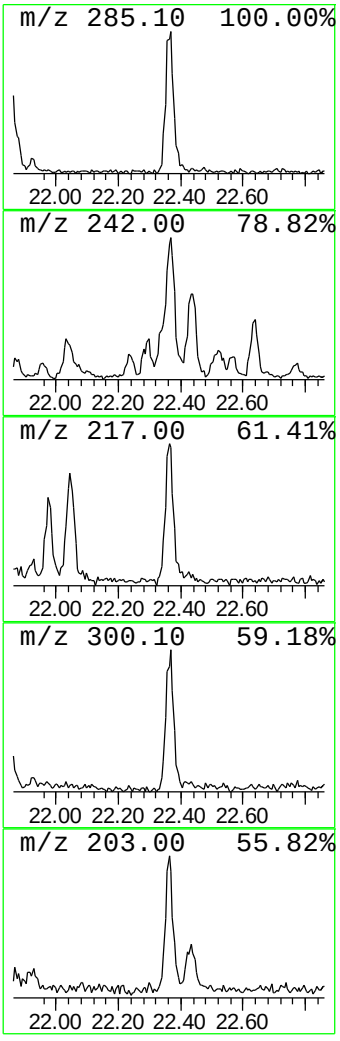
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Thionaphthene, 2-[1-(1-pyrr... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.36	3.37 ng/ul	416535	Chrysene-d12	21.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thionaphthene, 2-[1-(1-pyrrolidy...	285	C18H23NS	147299-15-8	78
2	9(1H)-Phenanthrenone, 2,3,4,4a,1...	300	C20H28O2	000511-05-7	49
3	9(1H)-Phenanthrenone, 2,3,4,4a,1...	300	C20H28O2	000511-05-7	41
4	2(1H)-Phenanthrenone, 3,4,4a,9,1...	300	C20H28O2	000472-37-7	30
5	Chrysene, 6-methyl-	242	C19H14	003697-24-3	25





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
Data File : BG018549.D
Acq On : 29 Aug 2015 23:12
Operator : UM/MA
Sample : G3476-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCTJ9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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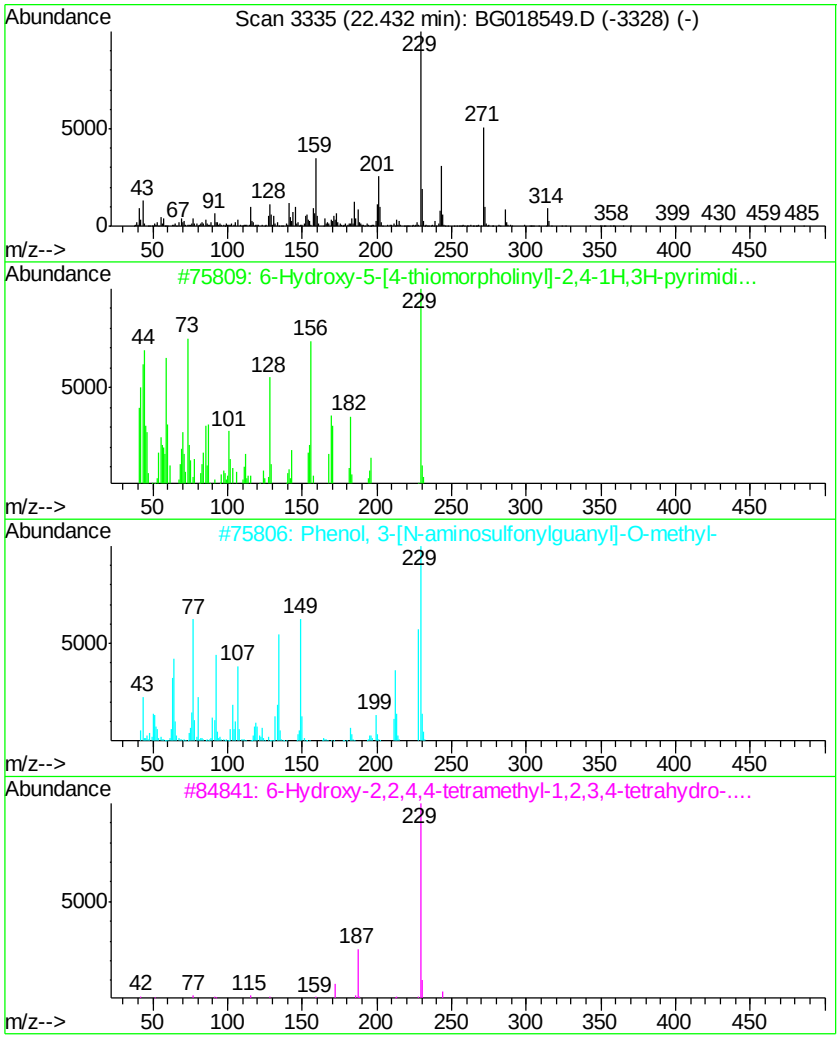
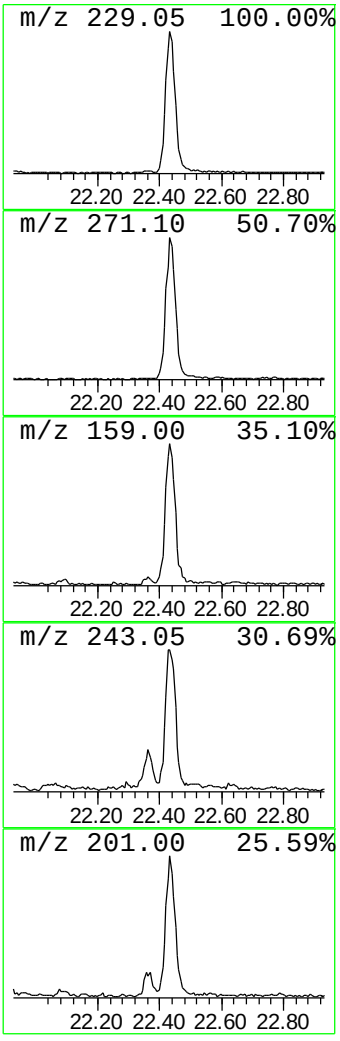
Peak Number 24 6-Hydroxy-5-[4-thiomorpholi... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.43	14.74 ng/ul	1820540	Chrysene-d12	21.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Hydroxy-5-[4-thiomorpholinyl]-...	229	C8H11N3O3S	1000212-11-4	74
2	Phenol, 3-[N-aminosulfonylguanyl...	229	C8H11N3O3S	1000211-43-8	38
3	6-Hydroxy-2,2,4,4-tetramethyl-1,...	244	C15H20N2O	138510-19-7	35
4	Naphthalene, 6,7-diethyl-1,2,3,4...	244	C18H28	055741-10-1	30
5	Benzo(a)acridine	229	C17H11N	000225-11-6	30





Library Search Compound Report

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Operator : UM/MA
Sample : G3476-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCTJ9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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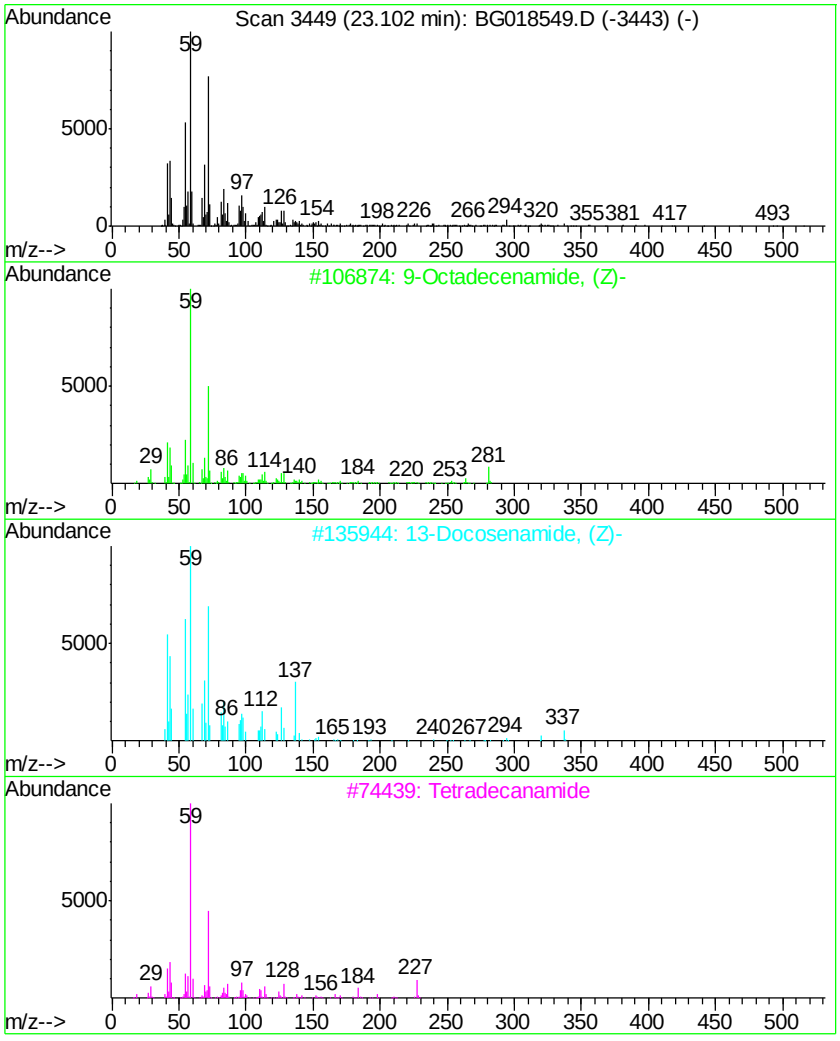
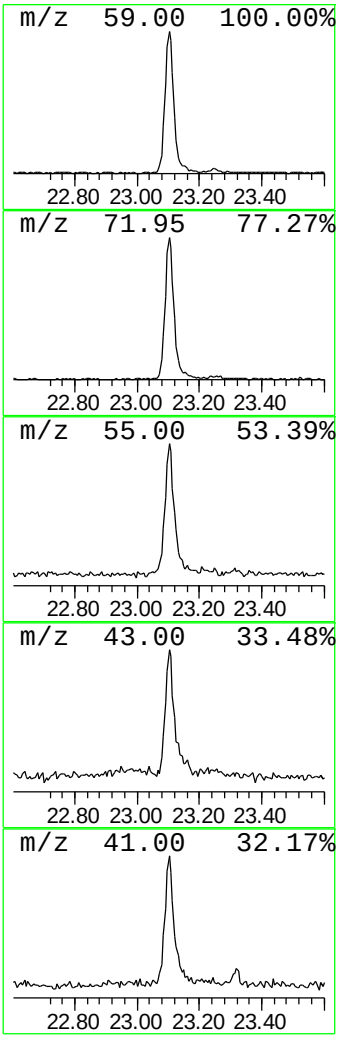
Peak Number 25 9-Octadecenamide, (Z)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.10	8.24 ng/ul	1017540	Chrysene-d12	21.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	59
2	13-Docosenamide, (Z)-	337	C22H43NO	000112-84-5	53
3	Tetradecanamide	227	C14H29NO	000638-58-4	47
4	Undecanamide, 11-bromo-	263	C11H22BrNO	005875-26-3	43
5	Pentanamide, 4-methyl-	115	C6H13NO	001119-29-5	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
Data File : BG018549.D
Acq On : 29 Aug 2015 23:12
Operator : UM/MA
Sample : G3476-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCTJ9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.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
Butane, 2-methoxy...	3.18	42.8	ng/ul	1164000	1	8.01	543905	20.0
1H-Cyclopropa[a]n...	13.43	2.4	ng/ul	177326	3	14.64	1486300	20.0
1H-3a,7-Methanoaz...	13.55	2.6	ng/ul	192440	3	14.64	1486300	20.0
1,4-Methanoazulen...	13.92	24.5	ng/ul	1819350	3	14.64	1486300	20.0
Naphthalene, 1,2,...	13.96	21.7	ng/ul	1612680	3	14.64	1486300	20.0
Thujopsene	14.17	2.6	ng/ul	197023	3	14.64	1486300	20.0
Cyclohexene, 1-me...	14.46	2.0	ng/ul	150692	3	14.64	1486300	20.0
Bicyclo[3.1.1]hep...	14.54	2.5	ng/ul	186063	3	14.64	1486300	20.0
1H-Benzocyclohept...	15.88	2.3	ng/ul	171151	3	14.64	1486300	20.0
Cedrane, 8-propoxy-	15.92	74.4	ng/ul	5529000	3	14.64	1486300	20.0
(DEL) Alkane: Str...	17.14	2.9	ng/ul	260708	4	17.38	1785130	20.0
n-Hexadecanoic acid	18.27	13.3	ng/ul	1183170	4	17.38	1785130	20.0
4H-Cyclopenta[def...	18.45	2.7	ng/ul	244971	4	17.38	1785130	20.0
7-Isopropyl-1,1,4...	19.24	2.3	ng/ul	205136	4	17.38	1785130	20.0
unknown-01	20.01	2.7	ng/ul	331202	5	21.64	2469930	20.0
Pyrene, 1-methyl-	20.28	2.3	ng/ul	284413	5	21.64	2469930	20.0
2-Phenanthrenol, ...	20.46	6.3	ng/ul	775395	5	21.64	2469930	20.0
unknown-02	20.67	12.4	ng/ul	1528060	5	21.64	2469930	20.0
(DEL) Alkane: Cyc...	21.29	7.1	ng/ul	874873	5	21.64	2469930	20.0
2-[2-Thienyl]cinc...	21.87	15.7	ng/ul	1935890	5	21.64	2469930	20.0
Thionaphthene, 2-...	22.36	3.4	ng/ul	416535	5	21.64	2469930	20.0
6-Hydroxy-5-[4-th...	22.43	14.7	ng/ul	1820540	5	21.64	2469930	20.0
9-Octadecenamide,...	23.10	8.2	ng/ul	1017540	5	21.64	2469930	20.0