LSC Area Percent Report

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021417.D
Acq On : 10 Mar 2016 20:55
Operator : UM/SJ
Sample : H1616-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS004-01

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-BG031016.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	3.176	54	57	59	rBV2	5866	7799	0.18%	0.031%
2	3.212	60	63	67	rVV2	12900	18230	0.42%	0.073%
3	3.253	67	70	75	rVV2	6683	9392	0.22%	0.038%
4	3.306	75	79	84	rVB2	7082	11233	0.26%	0.045%
5	4.052	202	206	213	rVB	14672	20829	0.48%	0.083%
6	5.292	413	417	422	rVB	2837	4452	0.10%	0.018%
7	7.313	755	761	772	rBV	54105	98411	2.25%	0.394%
8	7.442	777	783	790	rVB	40391	65919	1.51%	0.264%
9	7.665	814	821	828	rBV	55666	93180	2.13%	0.373%
10	8.124	893	899	906	rVB	60724	102008	2.34%	0.408%
11	8.846	1016	1022	1034	rBV2	45231	79669	1.83%	0.319%
12	9.287	1091	1097	1109	rVV	59166	107328	2.46%	0.430%
13	9.399	1111	1116	1123	rVB4	4006	6433	0.15%	0.026%
14	10.010	1213	1220	1227	rBV2	55044	95512	2.19%	0.382%
15	10.233	1254	1258	1265	rBB2	4025	6877	0.16%	0.028%
16	10.574	1309	1316	1323	rBV	71621	127646	2.92%	0.511%
17	10.873	1362	1367	1370	rBV3	4002	5679	0.13%	0.023%
18	10.932	1370	1377	1382	rVV	101580	183737	4.21%	0.736%
19	10.985	1382	1386	1392	rVV2	38618	63917	1.46%	0.256%
20	11.067	1394	1400	1409	rBV2	13488	25779	0.59%	0.103%
21	11.919	1540	1545	1550	rVB2	2805	4368	0.10%	0.017%
22	12.307	1607	1611	1616	rVB2	6633	8685	0.20%	0.035%
23	12.565	1647	1655	1661	rVB4	6538	16648	0.38%	0.067%
24	12.789	1686	1693	1697	rBV3	4924	8284	0.19%	0.033%
25	13.006	1724	1730	1739	rBV2	11435	22207	0.51%	0.089%
26	13.088	1741	1744	1751	rVB5	3529	6196	0.14%	0.025%
27	13.253	1768	1772	1778	rVB6	5025	7218	0.17%	0.029%
28	13.335	1782	1786	1790	rBV4	2919	5228	0.12%	0.021%
29	13.535	1811	1820	1826	rBV5	13945	32527	0.75%	0.130%
30	13.611	1830	1833	1839	rVV5	3767	6036	0.14%	0.024%
31	13.770	1853	1860	1866	rVB6	3393	7911	0.18%	0.032%
32	13.893	1877	1881	1883	rBV4	5872	8951	0.21%	0.036%
33	14.052	1903	1908	1913	rVB4	17000	30100	0.69%	0.121%
34	14.134	1913	1922	1926	rBV	141755	232926	5.34%	0.932%

LSC Area Percent Report

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021417.D
Acq On : 10 Mar 2016 20:55
Operator : UM/SJ
Sample : H1616-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS004-01

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-BG031016.M
Title : SVOA CALIBRATION

35	14.181	1926	1930	1936	rVB	67844	102490	2.35%	0.410%
36	14.375	1959	1963	1965	rBV5	3817	4915	0.11%	0.020%
37	14.428	1966	1972	1983	rVV	155894	258281	5.92%	1.034%
38	14.510	1983	1986	1990	rVV3	11649	15193	0.35%	0.061%
39	14.557	1990	1994	1998	rVB4	7345	10105	0.23%	0.040%
40	14.598	1998	2001	2010	rBV	19338	27139	0.62%	0.109%
41	14.692	2011	2017	2018	rBV4	7342	12698	0.29%	0.051%
42	14.733	2018	2024	2031	rVB2	158365	251378	5.76%	1.006%
43	14.939	2054	2059	2065	rVB6	13004	24683	0.57%	0.099%
44	15.010	2065	2071	2074	rBV	40170	73668	1.69%	0.295%
45	15.039	2074	2076	2082	rVB3	14022	19284	0.44%	0.077%
46	15.092	2083	2085	2089	rVV3	6882	9458	0.22%	0.038%
47	15.198	2100	2103	2109	rBV5	10934	20108	0.46%	0.080%
48	15.286	2115	2118	2122	rVB4	9343	10652	0.24%	0.043%
49	15.344	2123	2128	2131	rBV4	10276	18041	0.41%	0.072%
50	15.386	2133	2135	2141	rVB4	10833	14203	0.33%	0.057%
51	15.503	2151	2155	2159	rBV3	22428	36570	0.84%	0.146%
52	15.544	2159	2162	2167	rVV	43908	55843	1.28%	0.224%
53	15.609	2170	2173	2177	rVB5	8232	12499	0.29%	0.050%
54	15.721	2186	2192	2197	rBV	193954	296502	6.79%	1.187%
55	15.838	2207	2212	2219	rBV	49579	81955	1.88%	0.328%
56	15.944	2228	2230	2235	rVB3	10095	12997	0.30%	0.052%
57	16.408	2305	2309	2311	rBV3	30240	43793	1.00%	0.175%
58	16.948	2398	2401	2405	rVB	44069	53608	1.23%	0.215%
59	17.195	2440	2443	2448	rBV2	27251	40436	0.93%	0.162%
60	17.248	2450	2452	2466	rVB8	17686	40985	0.94%	0.164%
61	17.471	2485	2490	2495	rBV2	175953	271346	6.22%	1.086%
62	17.513	2495	2497	2501	rVV	24509	33478	0.77%	0.134%
63	17.571	2502	2507	2514	rVB	194576	300025	6.87%	1.201%
64	17.936	2567	2569	2573	rVB3	20547	22459	0.51%	0.090%
65	18.341	2635	2638	2642	rBV3	27993	37486	0.86%	0.150%
66	19.246	2789	2792	2795	rBV3	54487	71803	1.65%	0.287%
67	19.851	2890	2895	2898	rBV	215828	296769	6.80%	1.188%
68	21.743	3213	3217	3222	rVB	189097	302112	6.92%	1.209%
69	22.084	3267	3275	3280	rBV	480451	1232991	28.25%	4.936%
70	22.137	3280	3284	3289	rVB	558268	782919	17.94%	3.134%
71	22.231	3295	3300	3314	rVB	643744	1106416	25.35%	4.429%

LSC Area Percent Report

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021417.D
Acq On : 10 Mar 2016 20:55
Operator : UM/SJ
Sample : H1616-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS004-01

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-BG031016.M
Title : SVOA CALIBRATION

72	22.389	3317	3327	3331	rVV	1555879	4364872	100.00%	17.474%
73	22.430	3331	3334	3341	rVV	1262813	2127745	48.75%	8.518%
74	22.513	3342	3348	3359	rVB	1111222	1894770	43.41%	7.585%
75	22.671	3369	3375	3379	rBV	780392	1495845	34.27%	5.988%
76	22.712	3379	3382	3394	rVB	1051021	1637142	37.51%	6.554%
77	22.936	3414	3420	3427	rVB	674852	1157046	26.51%	4.632%
78	23.241	3465	3472	3482	rVB	1387424	2764188	63.33%	11.066%
79	23.406	3493	3500	3509	rVB	1079772	2000678	45.84%	8.009%

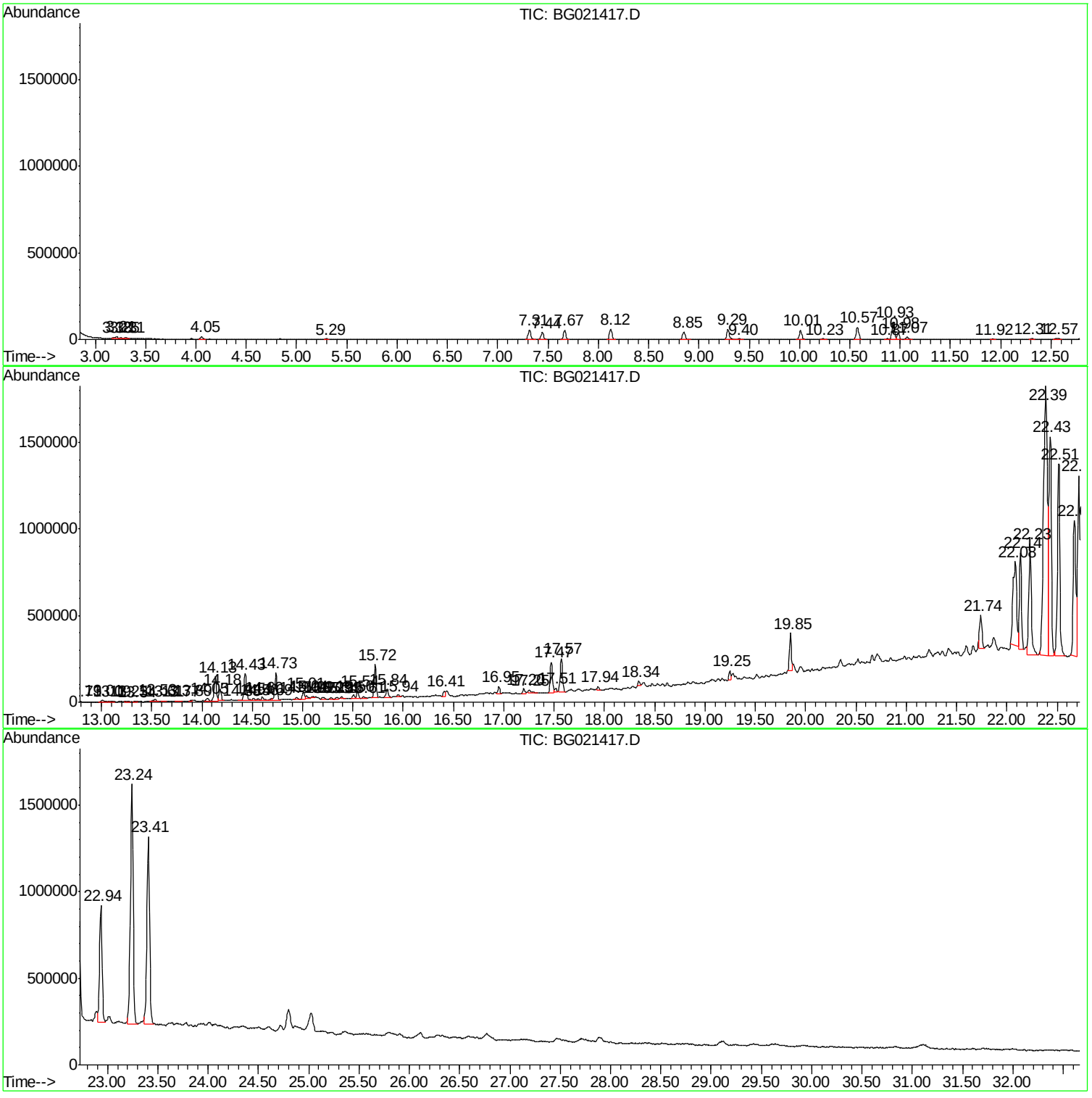
Sum of corrected areas: 24978889

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021417.D
Acq On : 10 Mar 2016 20:55
Operator : UM/SJ
Sample : H1616-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P010-SS004-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

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



Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021417.D
Acq On : 10 Mar 2016 20:55
Operator : UM/SJ
Sample : H1616-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS004-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

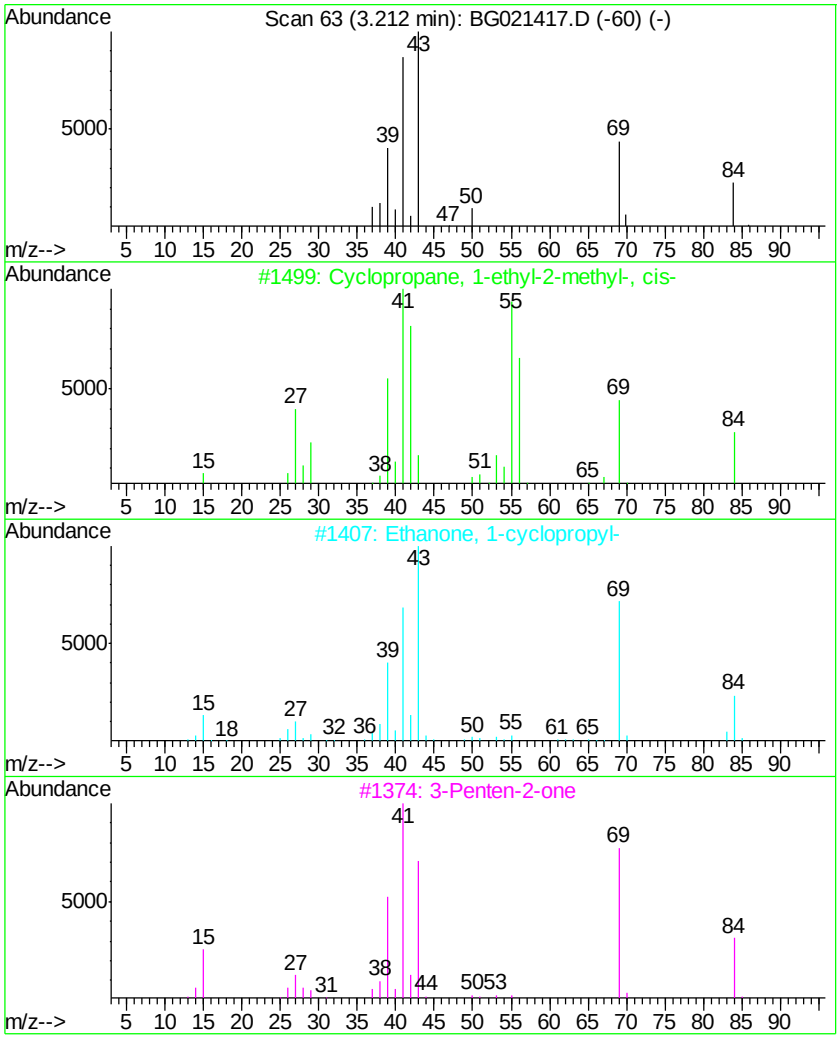
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

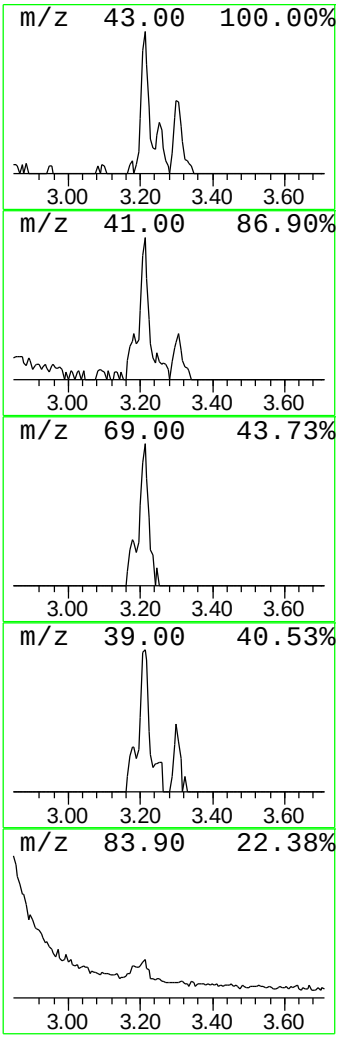
****

Peak Number 1 (DEL) Alkane: Cyclic3.21 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.21	3.57 ng/ul	18230	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1-ethyl-2-methyl-,...	84	C6H12	019781-68-1	38
2	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	33
3	3-Penten-2-one	84	C5H8O	000625-33-2	9
4	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	9
5	Cyclopropane, 1,2,3-trimethyl-	84	C6H12	042984-19-0	9





Library Search Compound Report

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021417.D
Acq On : 10 Mar 2016 20:55
Operator : UM/SJ
Sample : H1616-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P010-SS004-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

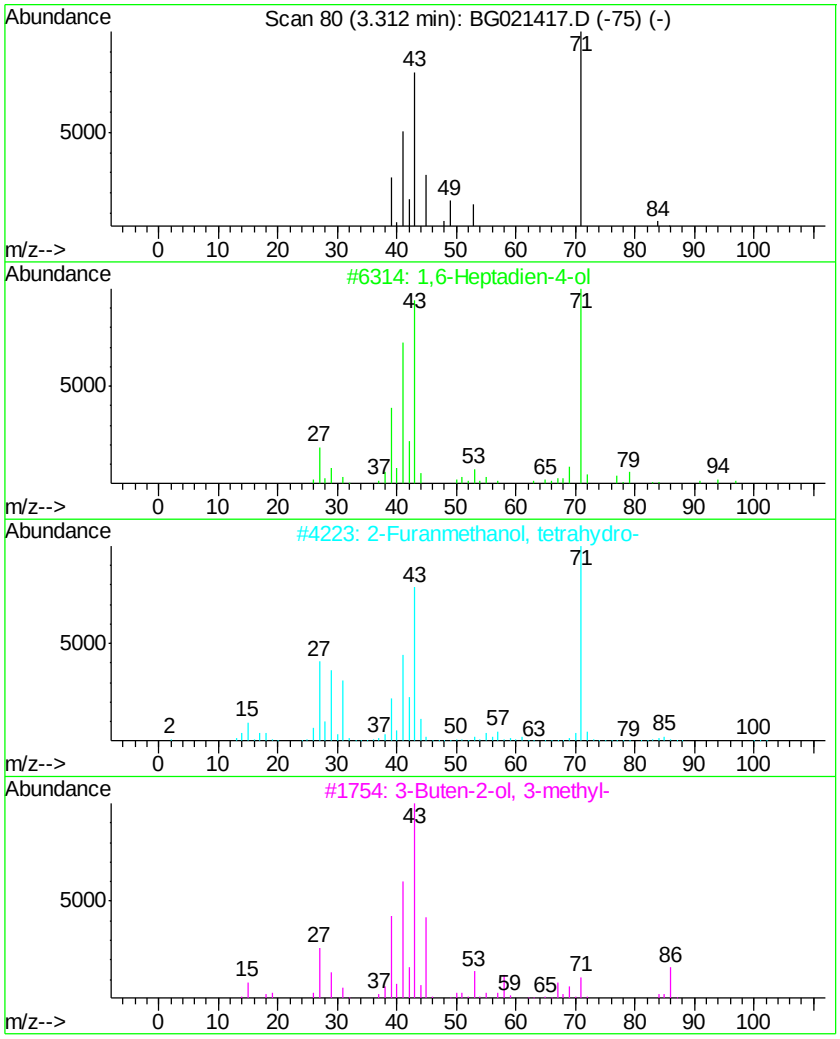
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

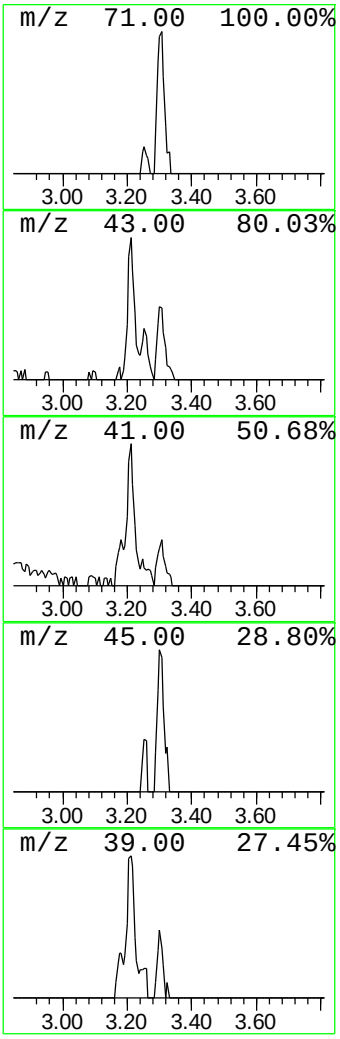
****

Peak Number 2 unknown-01 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.31	2.20 ng/ul	11233	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6-Heptadien-4-ol	112	C7H12O	002883-45-6	42
2	2-Furanmethanol, tetrahydro-	102	C5H10O2	000097-99-4	42
3	3-Buten-2-ol, 3-methyl-	86	C5H10O	010473-14-0	10
4	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	9
5	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	9





Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021417.D
Acq On : 10 Mar 2016 20:55
Operator : UM/SJ
Sample : H1616-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS004-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

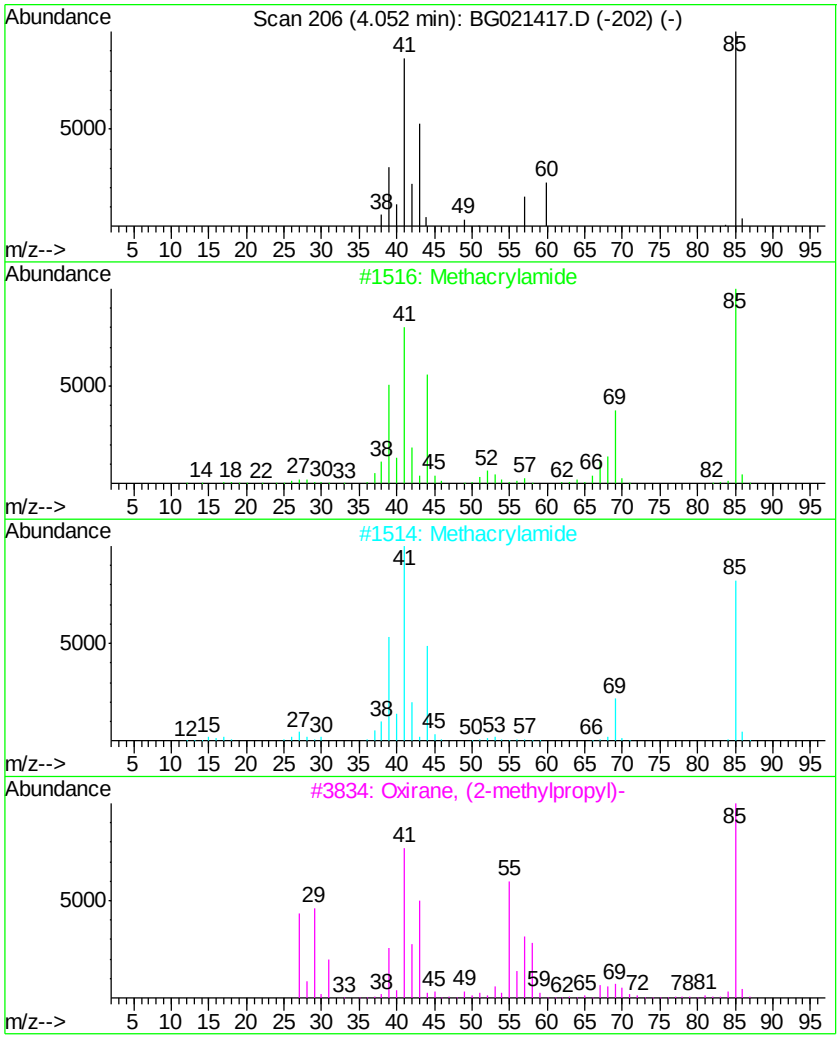
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

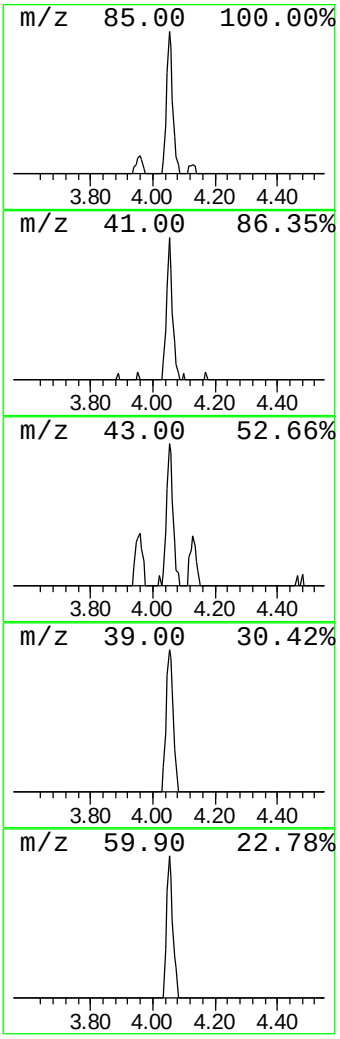
****

Peak Number 3 unknown-02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.05	4.08 ng/ul	20829	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	45
2	Methacrylamide	85	C4H7NO	000079-39-0	38
3	Oxirane, (2-methylpropyl)-	100	C6H12O	023850-78-4	38
4	Pentane, 2-bromo-2-methyl-	164	C6H13Br	004283-80-1	9
5	2-(Chloromethyl)tetrahydropyran	134	C6H11ClO	018420-41-2	9





Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021417.D
Acq On : 10 Mar 2016 20:55
Operator : UM/SJ
Sample : H1616-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS004-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

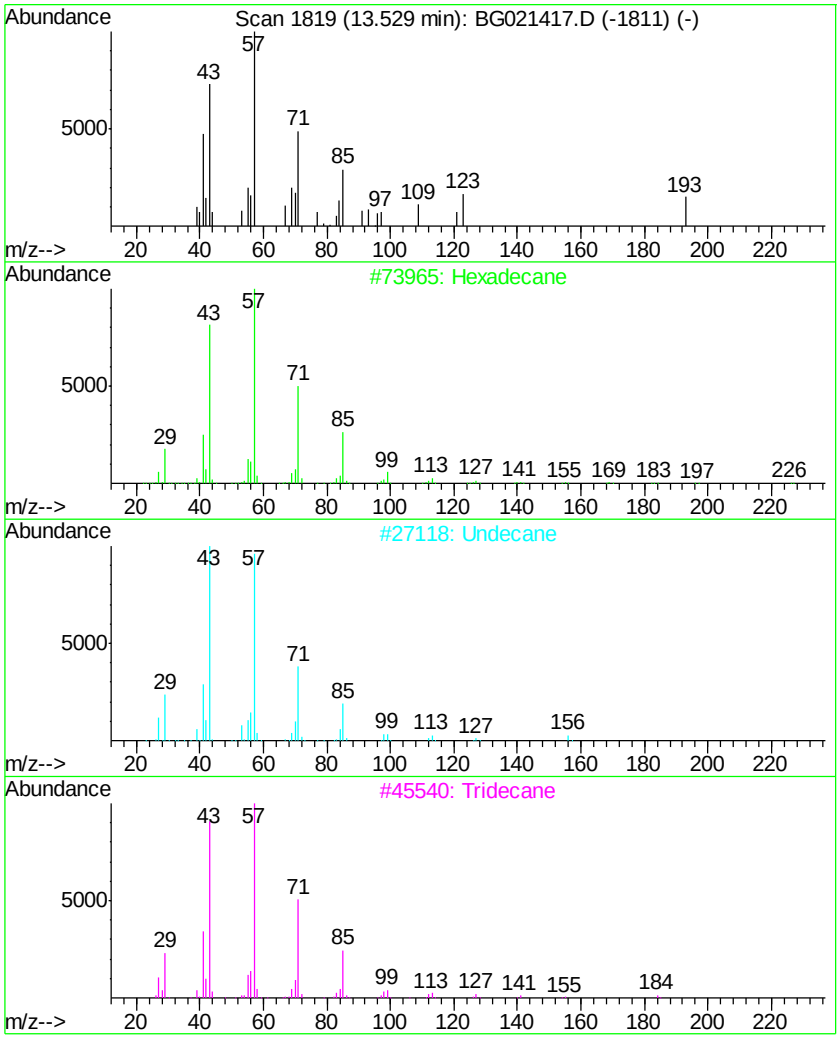
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

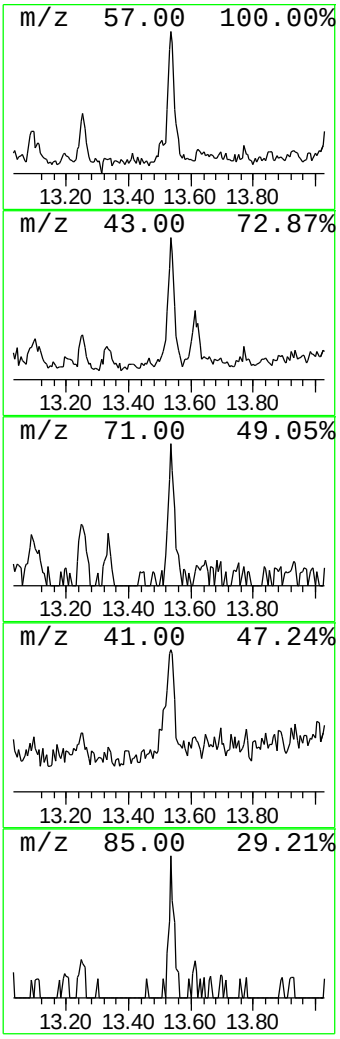
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	2.59 ng/ul	32527	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	59
2	Undecane	156	C11H24	001120-21-4	53
3	Tridecane	184	C13H28	000629-50-5	50
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50
5	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	50





Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021417.D
Acq On : 10 Mar 2016 20:55
Operator : UM/SJ
Sample : H1616-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS004-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

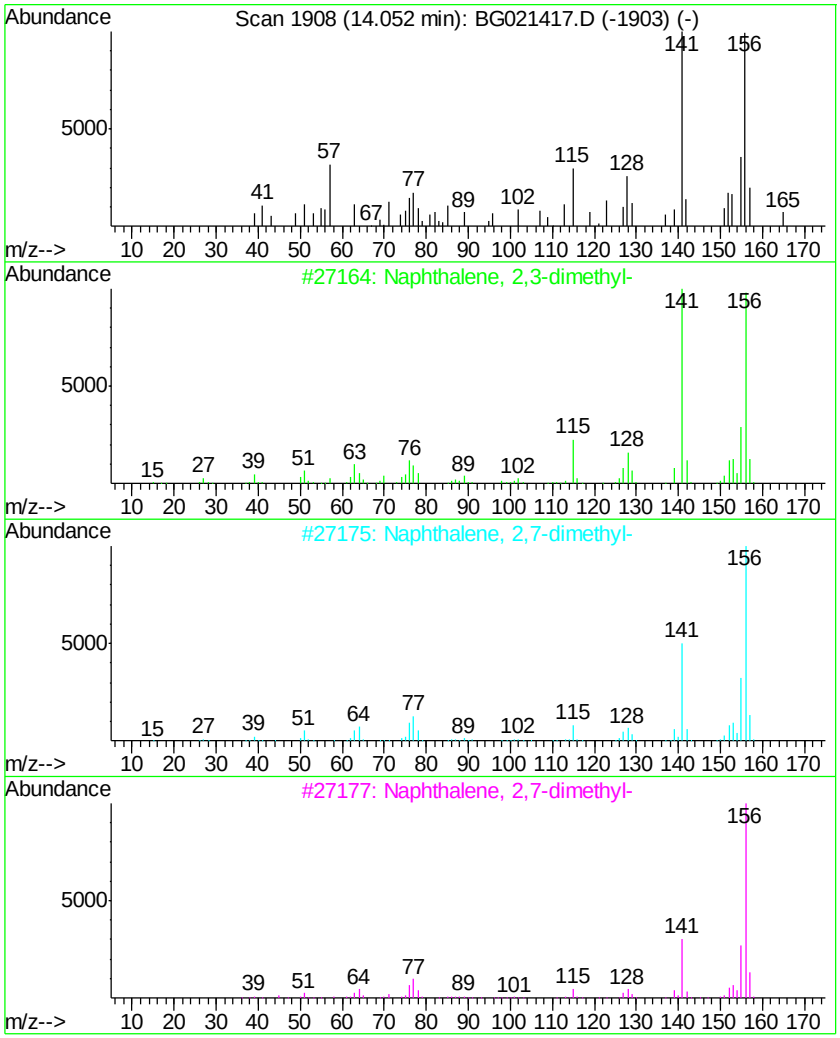
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

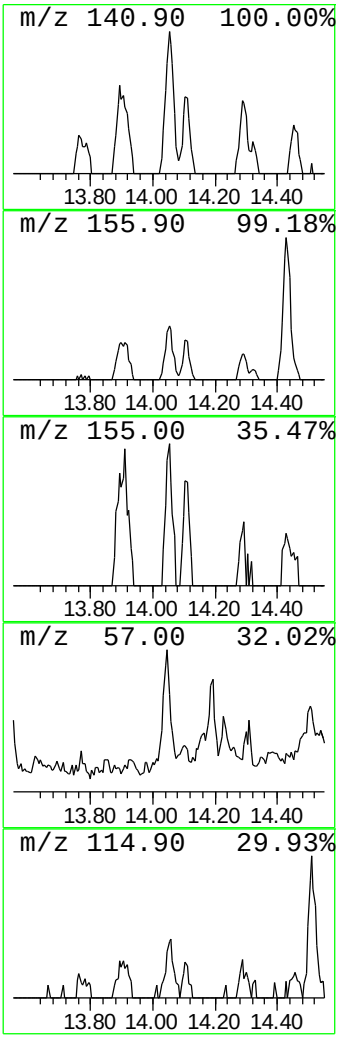
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	2.39 ng/ul	30100	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	90
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	87
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	87





Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021417.D
Acq On : 10 Mar 2016 20:55
Operator : UM/SJ
Sample : H1616-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS004-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

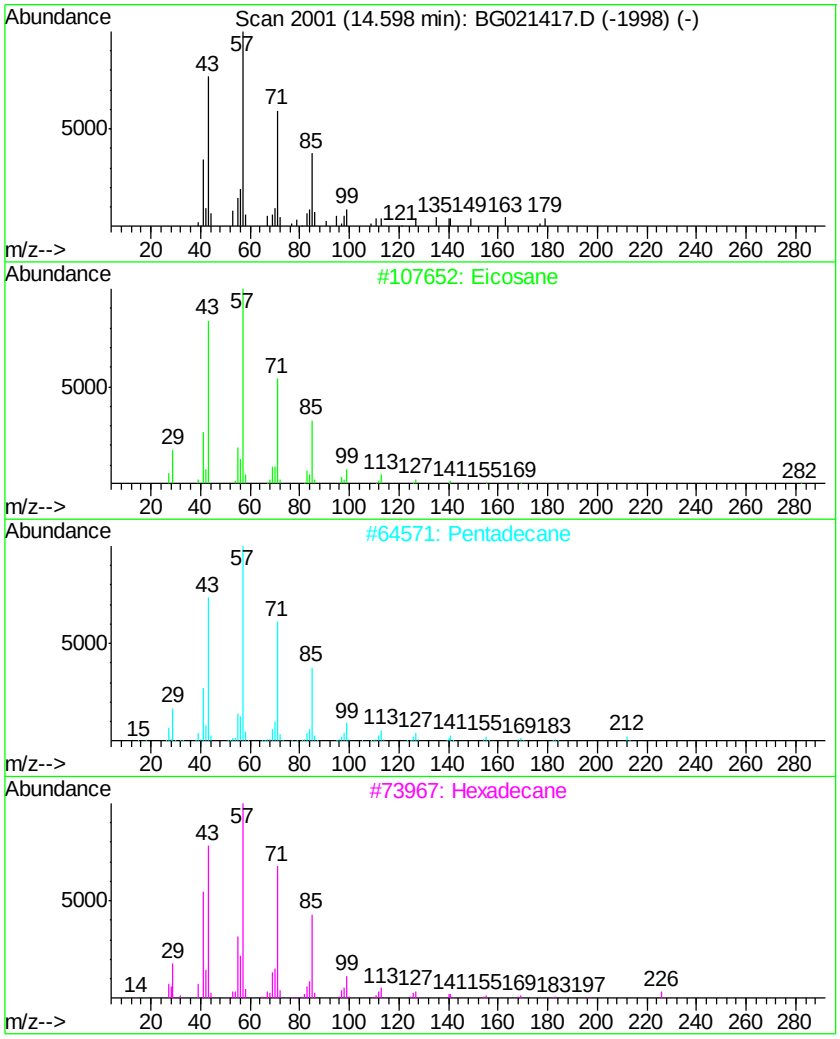
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

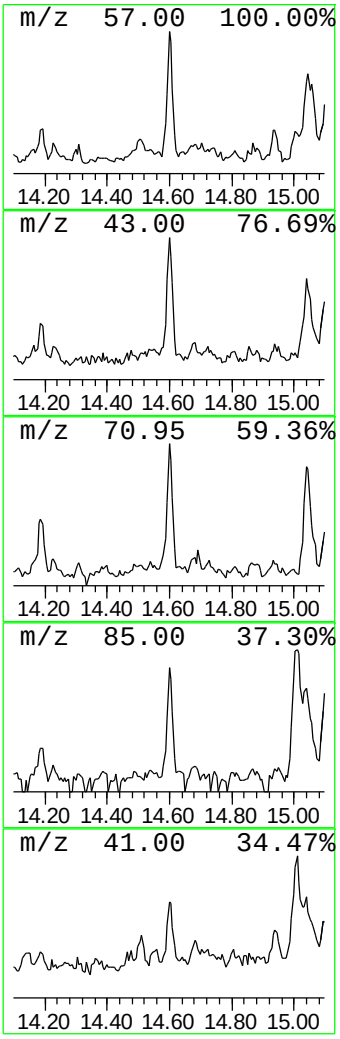
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	2.16 ng/ul	27139	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	72
2	Pentadecane	212	C15H32	000629-62-9	64
3	Hexadecane	226	C16H34	000544-76-3	64
4	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	59
5	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	59





Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021417.D
Acq On : 10 Mar 2016 20:55
Operator : UM/SJ
Sample : H1616-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS004-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

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

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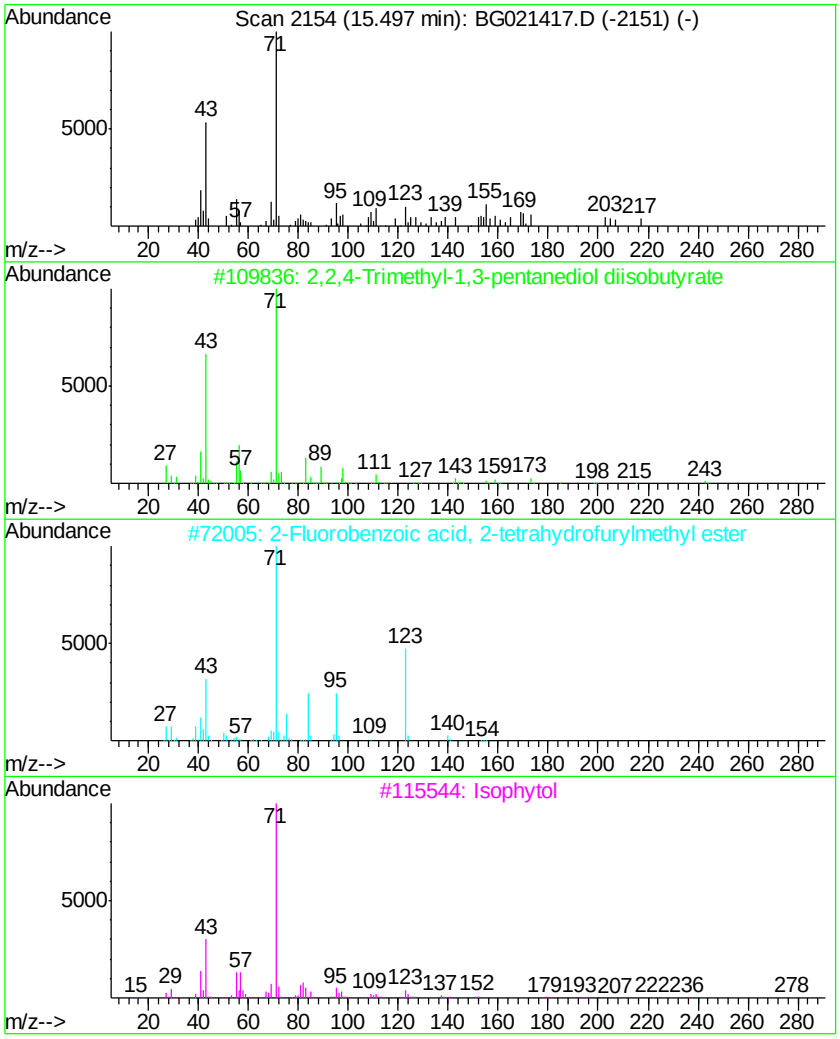
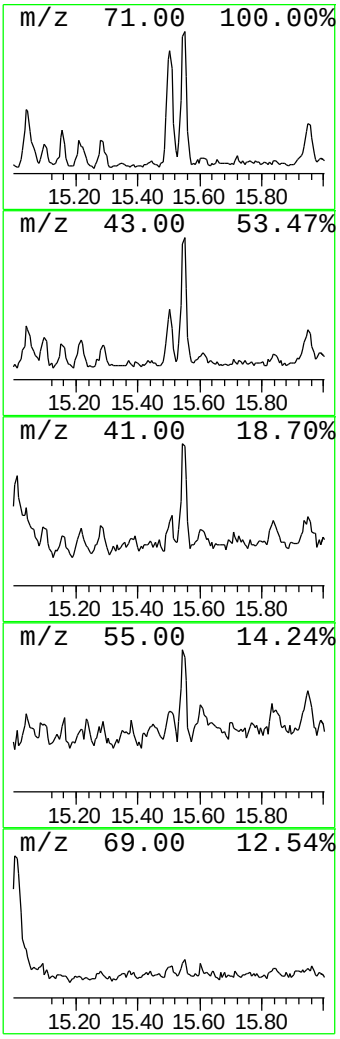
Peak Number 7 2,2,4-Trimethyl-1,3-pentane... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	2.91 ng/ul	36570	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,4-Trimethyl-1,3-pentanediol ...	286	C16H30O4	006846-50-0	50
2	2-Fluorobenzoic acid, 2-tetrahyd...	224	C12H13FO3	1000278-97-1	50
3	Isophytol	296	C20H40O	000505-32-8	45
4	Phenylmethanediol dibutanoate	264	C15H20O4	002929-77-3	43
5	Pyrano[3,2-b]pyran-2(3H)-one, he...	156	C8H12O3	060378-32-7	43





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Acq On : 10 Mar 2016 20:55
Operator : UM/SJ
Sample : H1616-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS004-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

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

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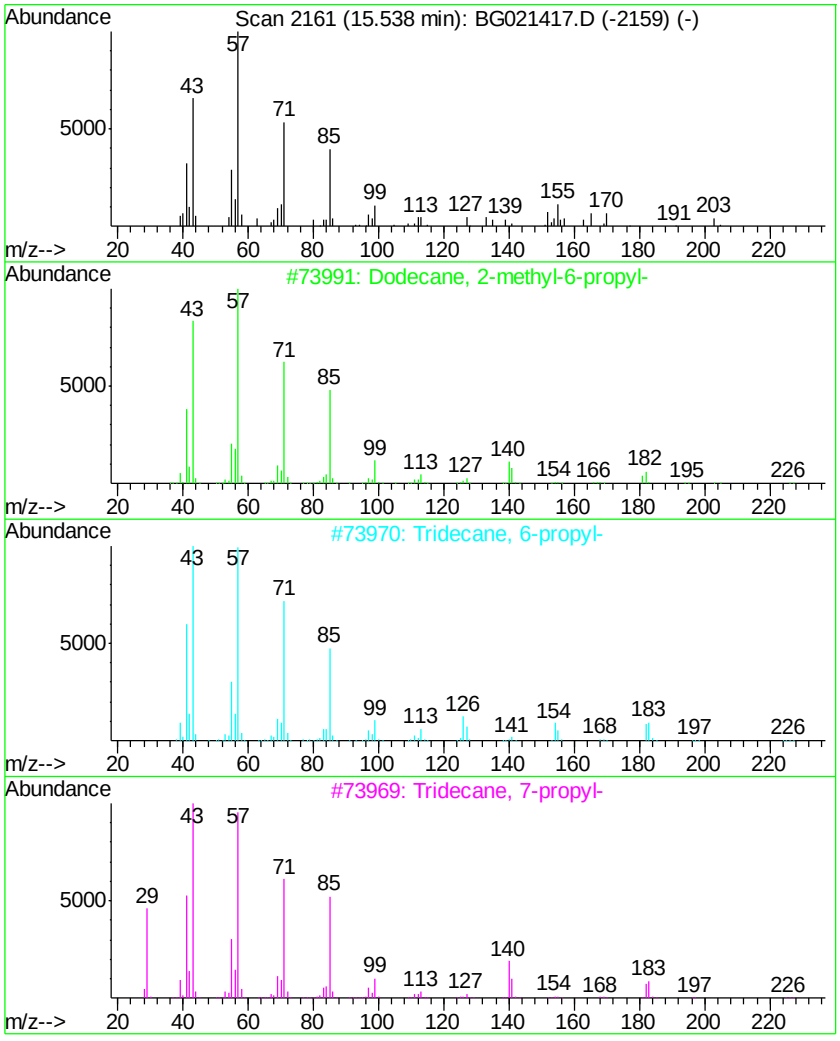
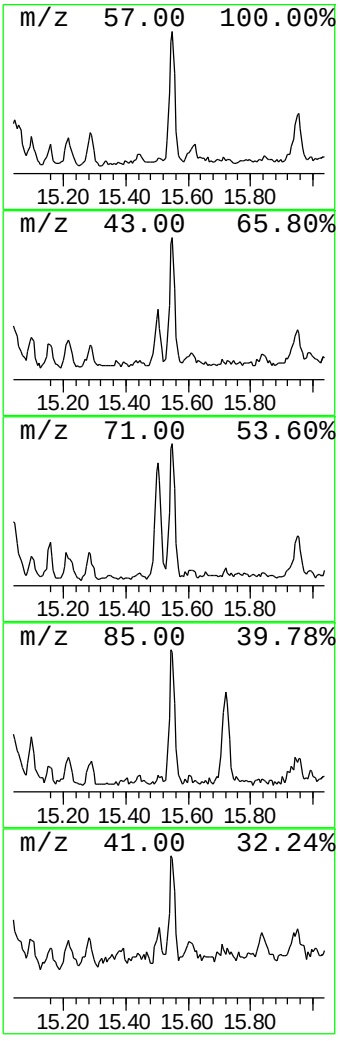
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	4.44 ng/ul	55843	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	72
2	Tridecane, 6-propyl-	226	C16H34	055045-10-8	72
3	Tridecane, 7-propyl-	226	C16H34	055045-09-5	72
4	Dodecane	170	C12H26	000112-40-3	70
5	Dodecane	170	C12H26	000112-40-3	70





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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

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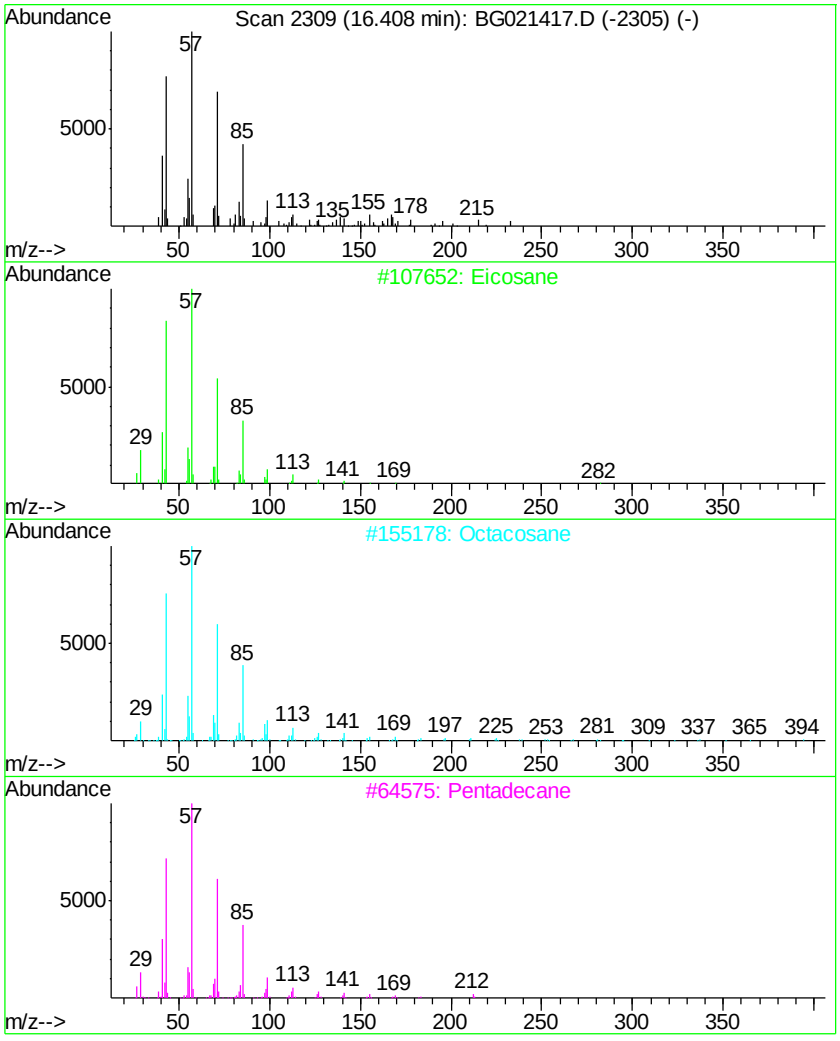
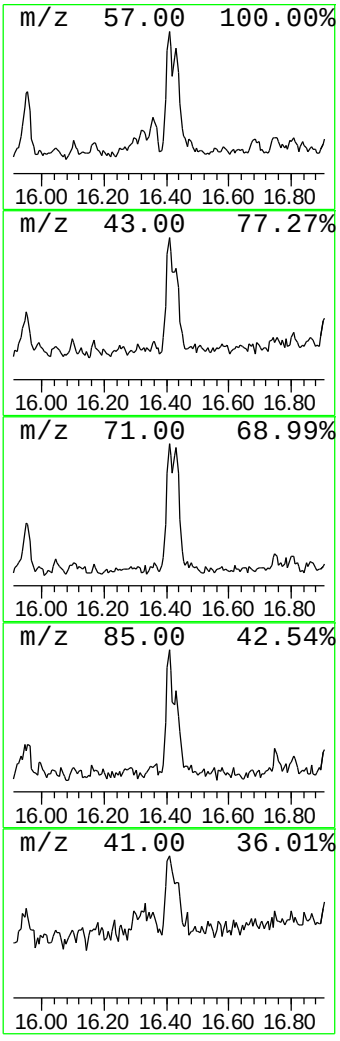
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	3.23 ng/ul	43793	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	74
2	Octacosane	394	C28H58	000630-02-4	74
3	Pentadecane	212	C15H32	000629-62-9	72
4	Heptadecane	240	C17H36	000629-78-7	72
5	Pentadecane	212	C15H32	000629-62-9	72





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Quant Title : SVOA CALIBRATION

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

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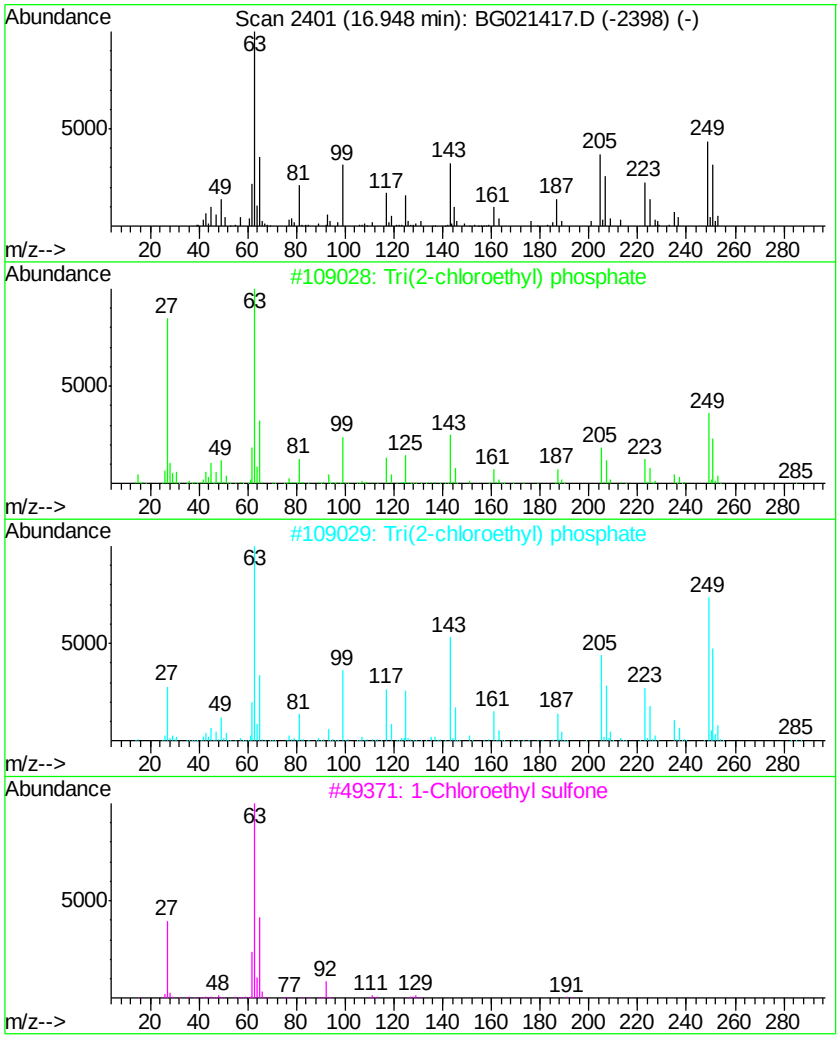
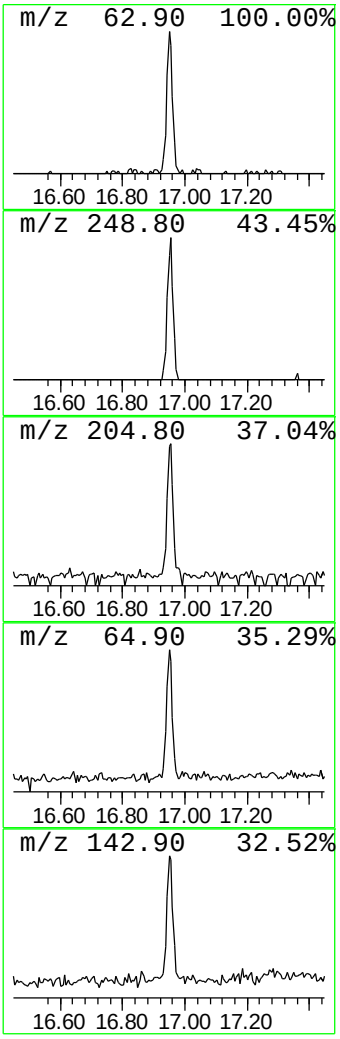
Peak Number 10 Tri(2-chloroethyl) phosphate Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	3.95 ng/ul	53608	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tri(2-chloroethyl) phosphate	284	C6H12Cl3O4P	000115-96-8	91
2	Tri(2-chloroethyl) phosphate	284	C6H12Cl3O4P	000115-96-8	60
3	1-Chloroethyl sulfone	190	C4H8Cl2O2S	010038-07-0	53
4	Propanoic acid, 2-chloro-, ethyl...	136	C5H9ClO2	000535-13-7	53
5	Ethene, (2-chloroethoxy)-	106	C4H7ClO	000110-75-8	42





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Quant Title : SVOA CALIBRATION

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

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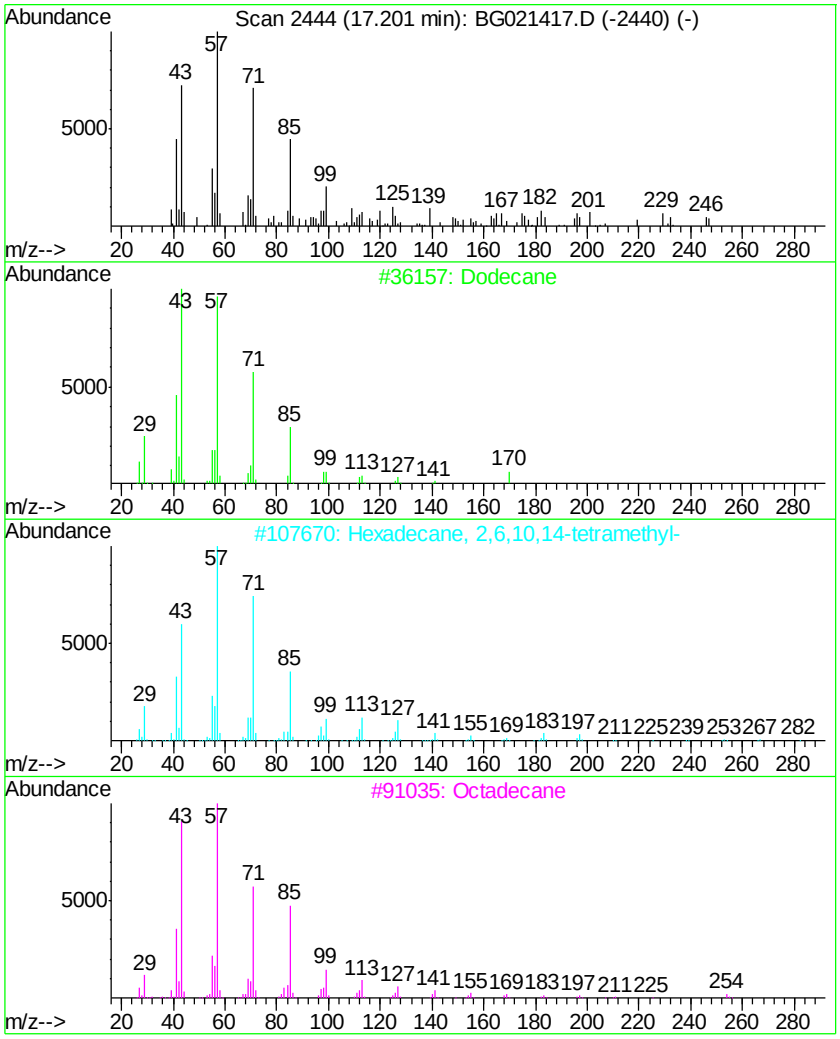
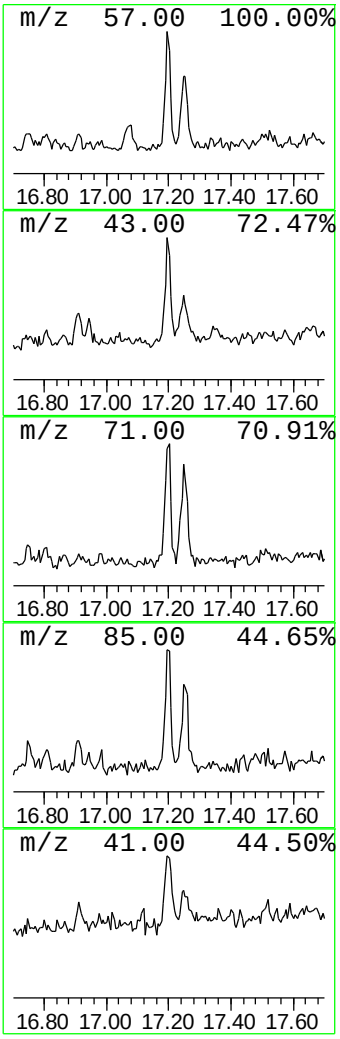
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	2.98 ng/ul	40436	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	93
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	74
3	Octadecane	254	C18H38	000593-45-3	74
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
5	Heptadecane	240	C17H36	000629-78-7	72





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Sample : H1616-15
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Quant Title : SVOA CALIBRATION

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

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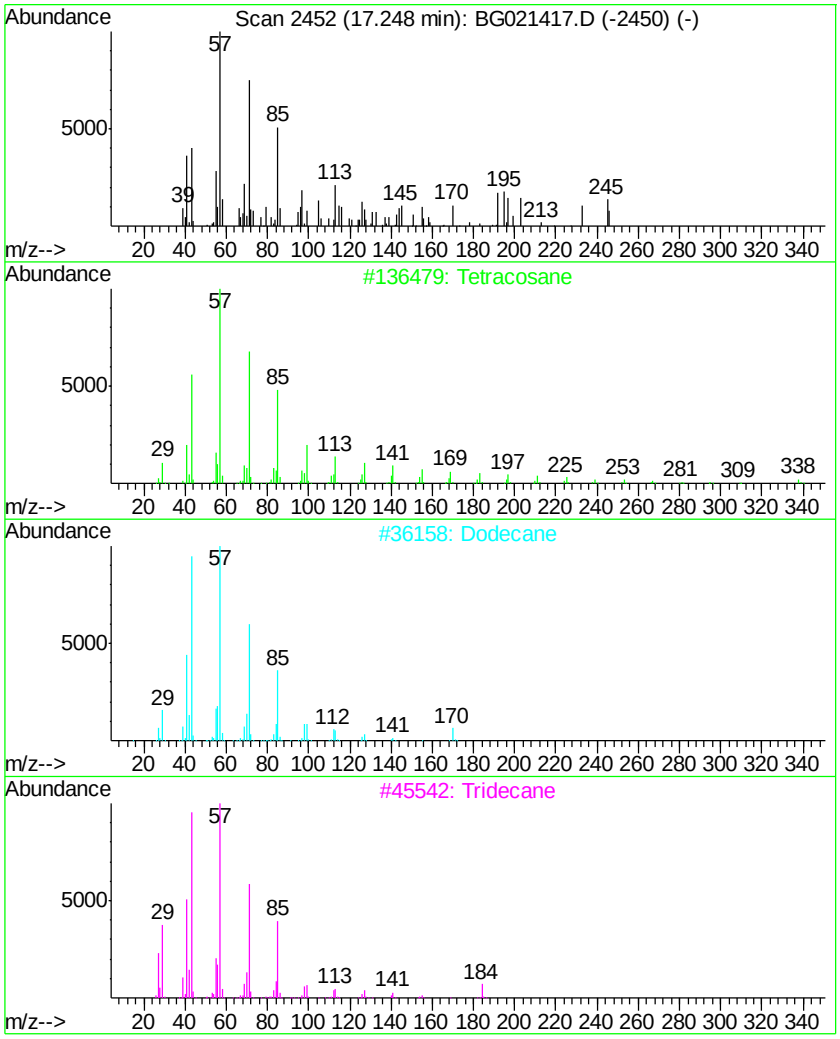
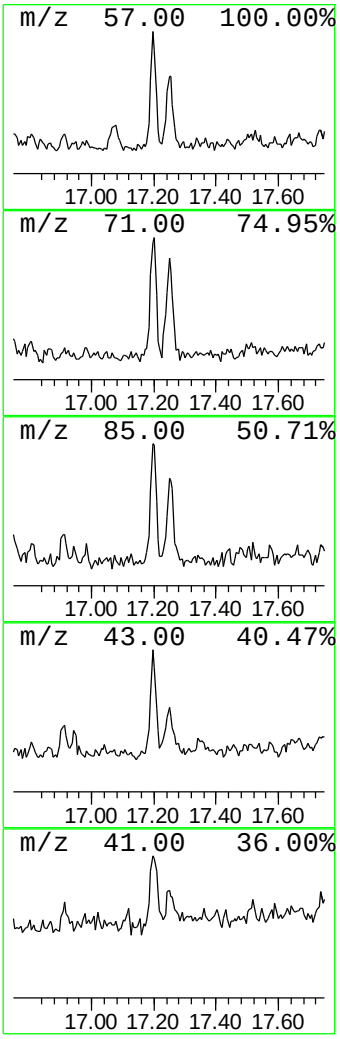
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.25	3.02 ng/ul	40985	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	50
2	Dodecane	170	C12H26	000112-40-3	50
3	Tridecane	184	C13H28	000629-50-5	38
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	38
5	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	38





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Instrument : BNA_G
ClientSampleId : P010-SS004-01

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Quant Title : SVOA CALIBRATION

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

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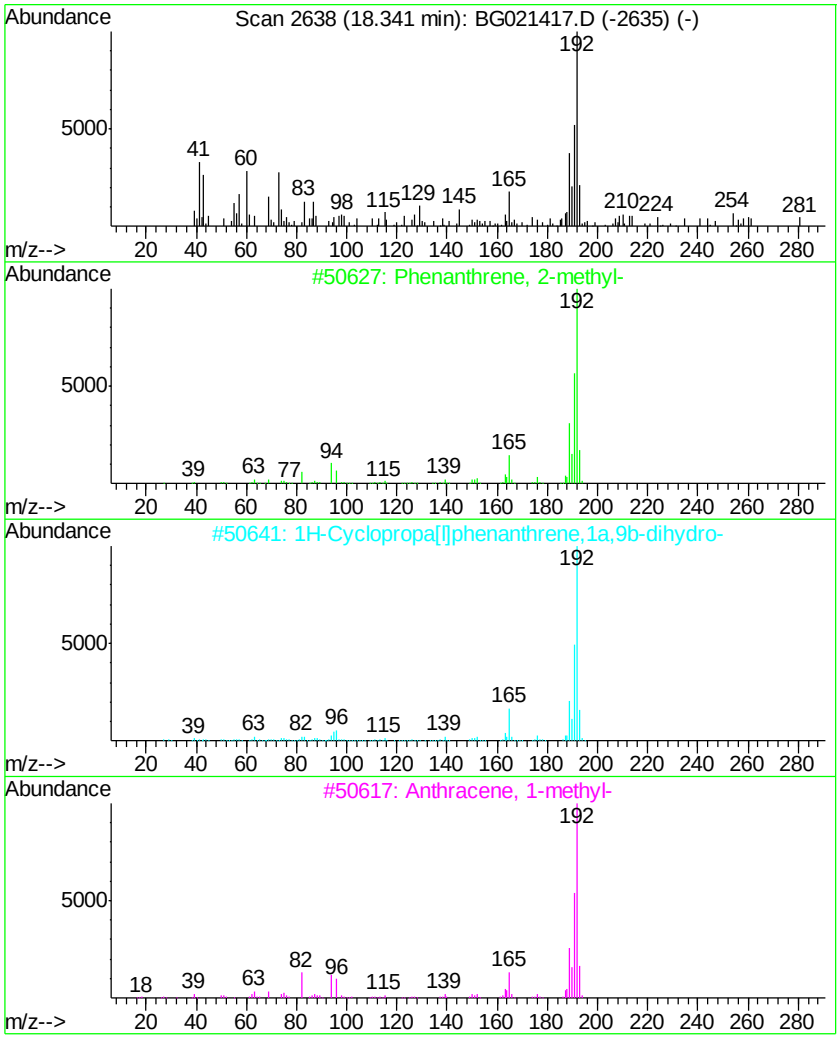
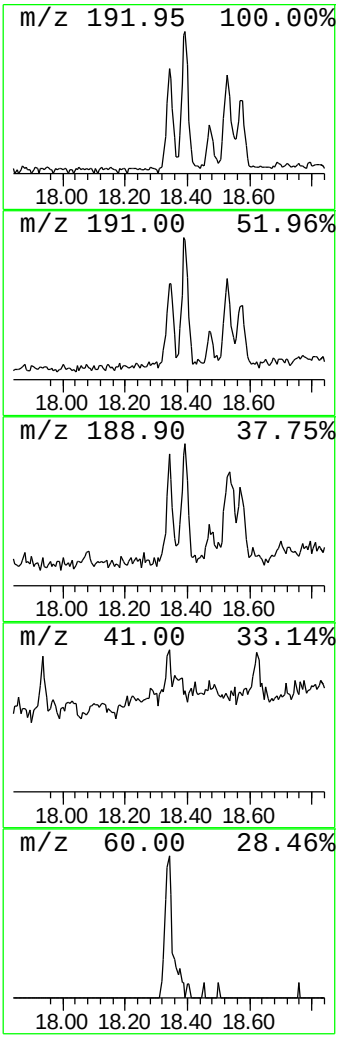
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	2.76 ng/ul	37486	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	62
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	60





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Sample : H1616-15
Misc :
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Instrument : BNA_G
ClientSampleId : P010-SS004-01

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Quant Title : SVOA CALIBRATION

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

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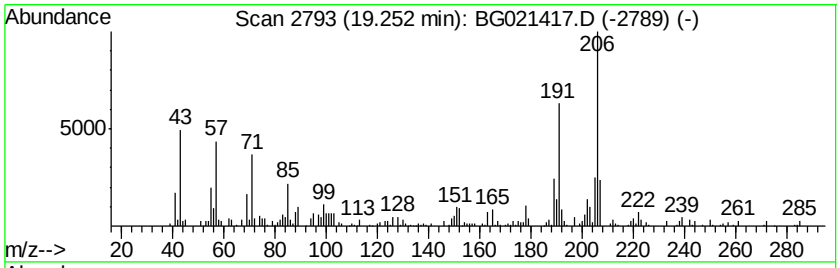
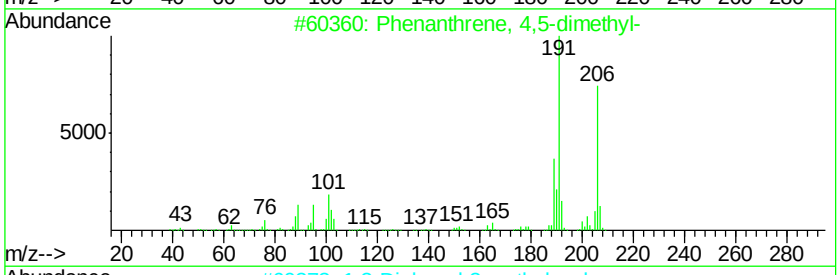
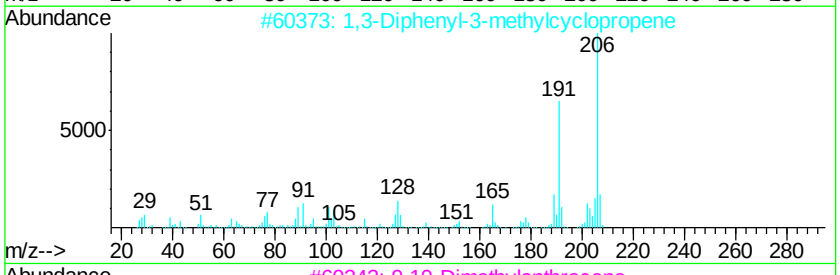
Peak Number 14 Phenanthrene, 4,5-dimethyl- Concentration Rank 12

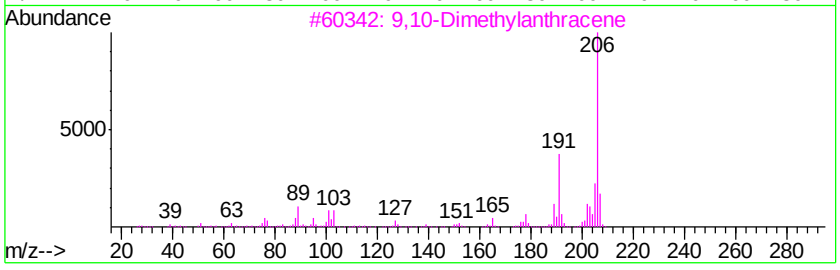
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.25	5.29 ng/ul	71803	Phenanthrene-d10	17.47

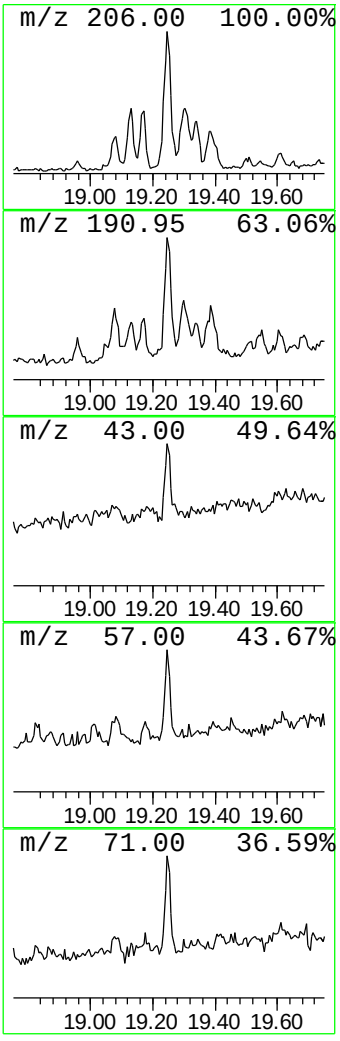
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	89
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	81











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ClientSampleId : P010-SS004-01

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Quant Title : SVOA CALIBRATION

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

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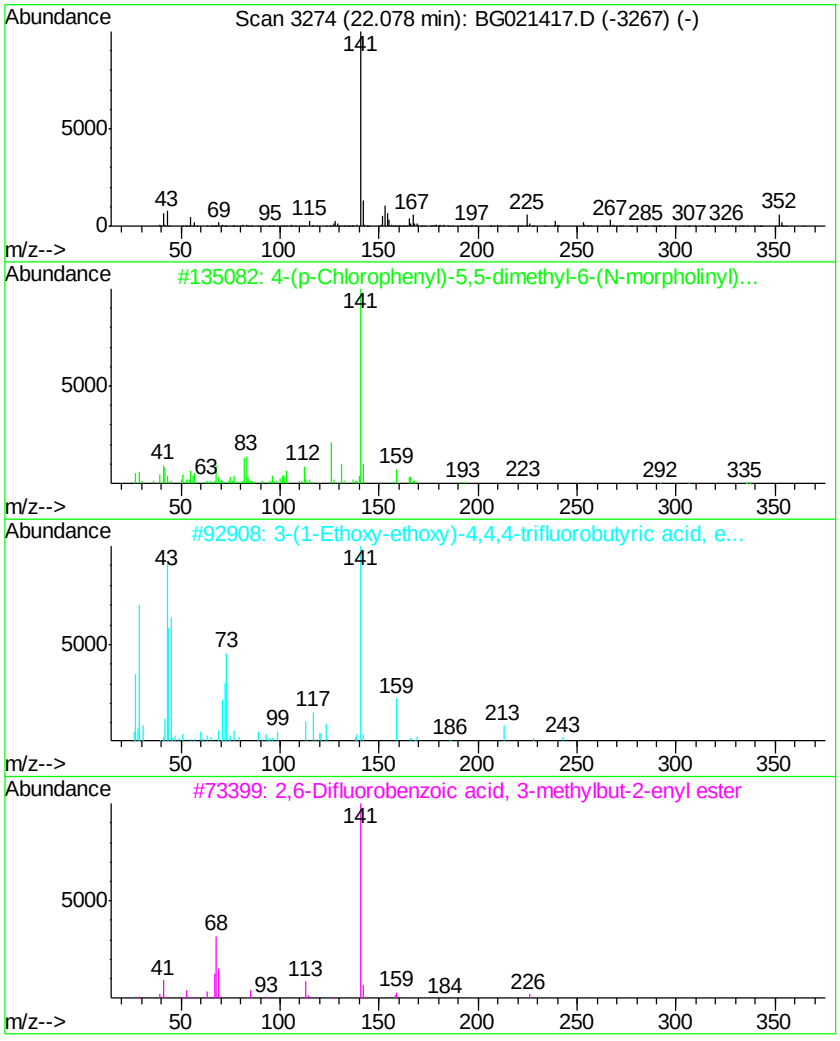
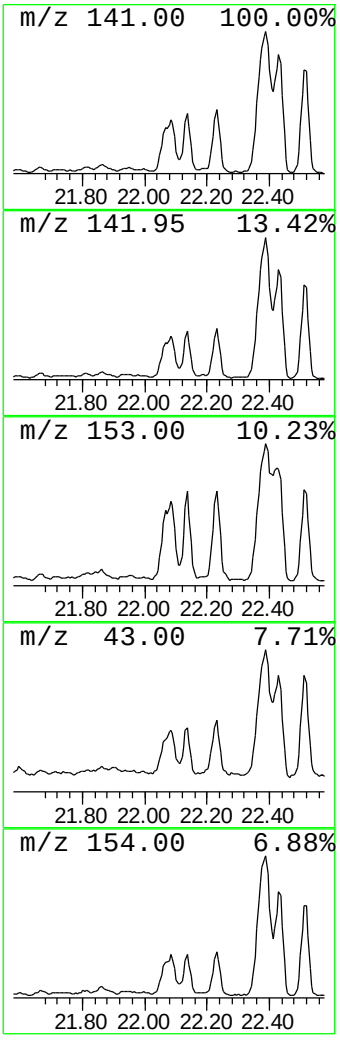
Peak Number 15 unknown-03 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.08	81.62 ng/ul	1232990	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(p-Chlorophenyl)-5,5-dimethyl-...	335	C18H22ClNO3	1000101-49-5	38
2	3-(1-Ethoxy-ethoxy)-4,4,4-triflu...	258	C10H17F3O4	095605-52-0	14
3	2,6-Difluorobenzoic acid, 3-meth...	226	C12H12F2O2	1000292-58-2	9
4	1-Naphthalenepropionic acid	200	C13H12O2	003243-42-3	9
5	1-But-3-enylnaphthalene	182	C14H14	002489-88-5	9





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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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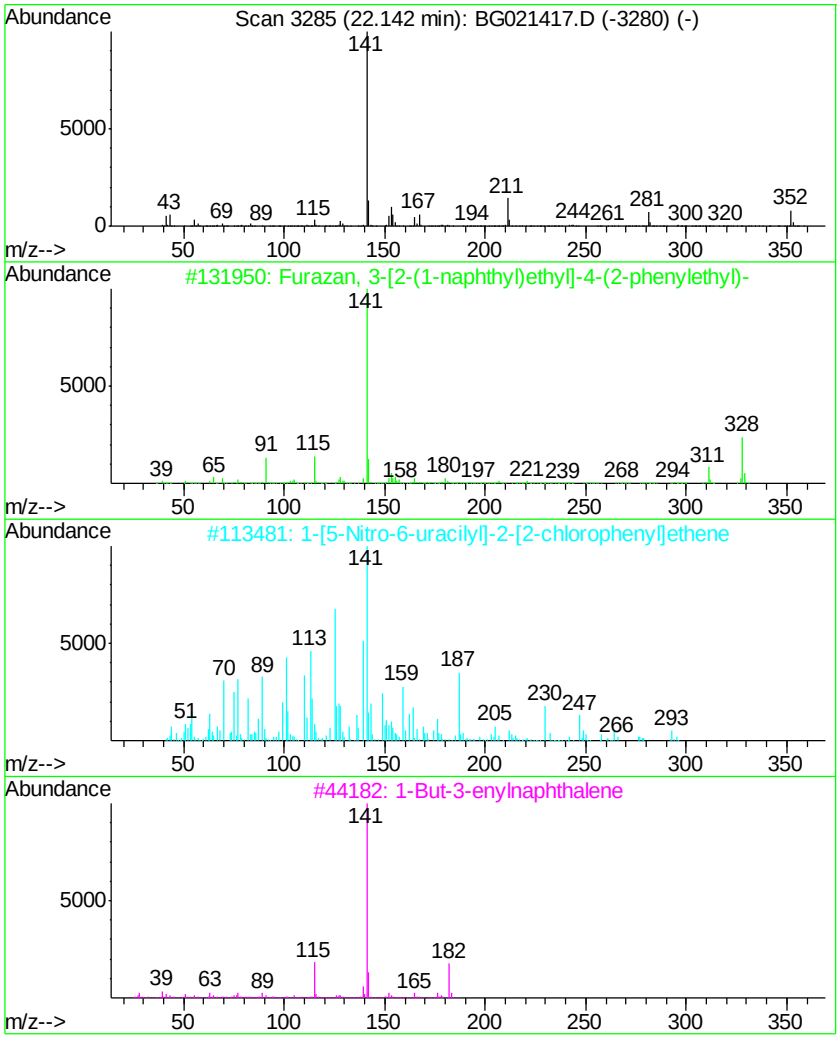
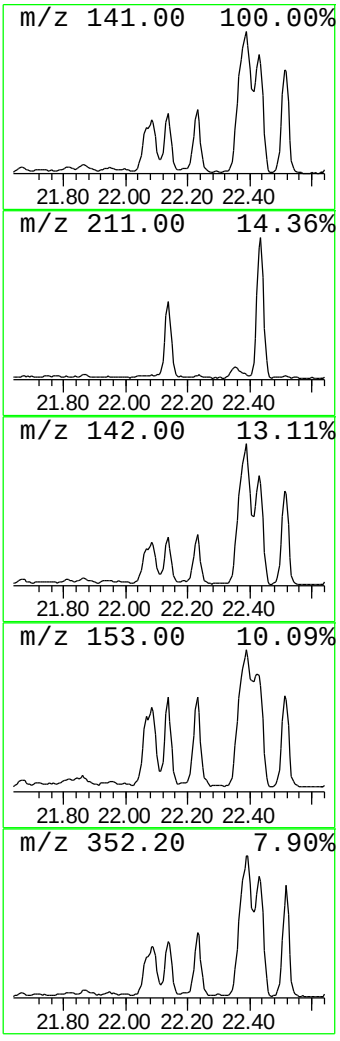
Peak Number 16 unknown-04 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.14	51.83 ng/ul	782919	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furazan, 3-[2-(1-naphthyl)ethyl]...	328	C22H20N2O	1000263-48-8	38
2	1-[5-Nitro-6-uracilyl]-2-[2-chlo...	293	C12H8ClN3O4	296798-53-3	28
3	1-But-3-enylnaphthalene	182	C14H14	002489-88-5	9
4	Undecane, 1-(1-naphthyl)-	282	C21H30	007225-71-0	9
5	Undecane, 1-(1-naphthyl)-	282	C21H30	007225-71-0	9





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ClientSampleId : P010-SS004-01

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

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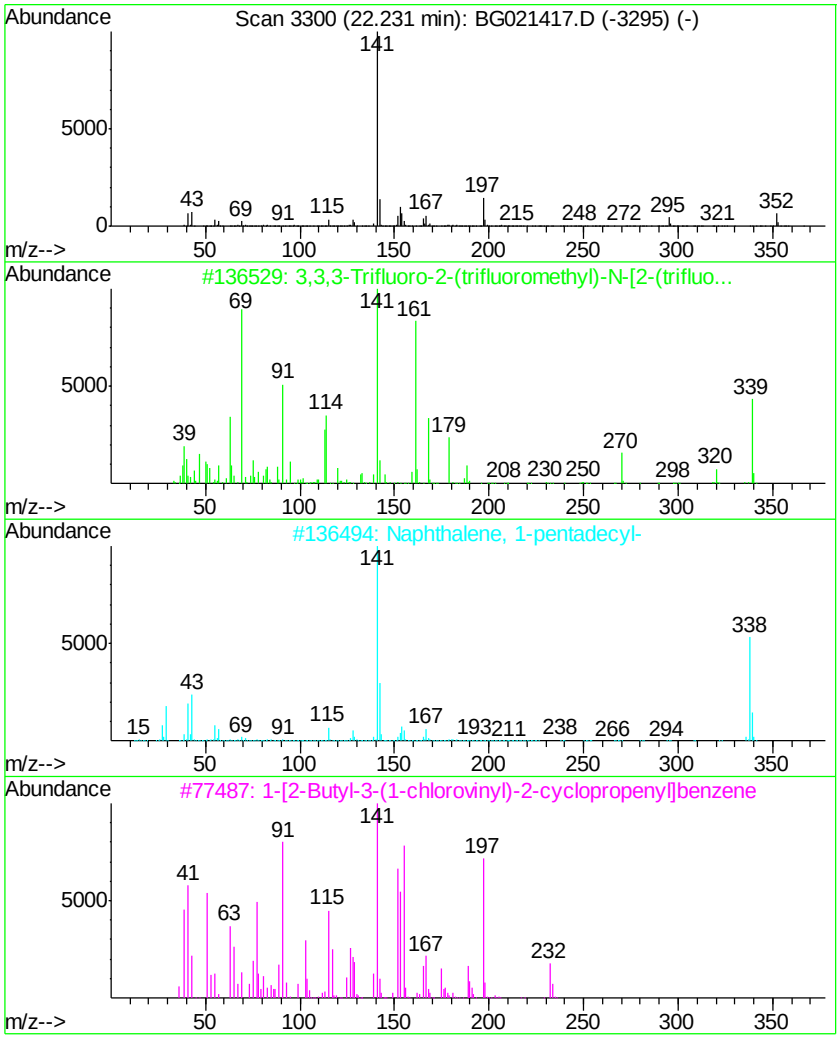
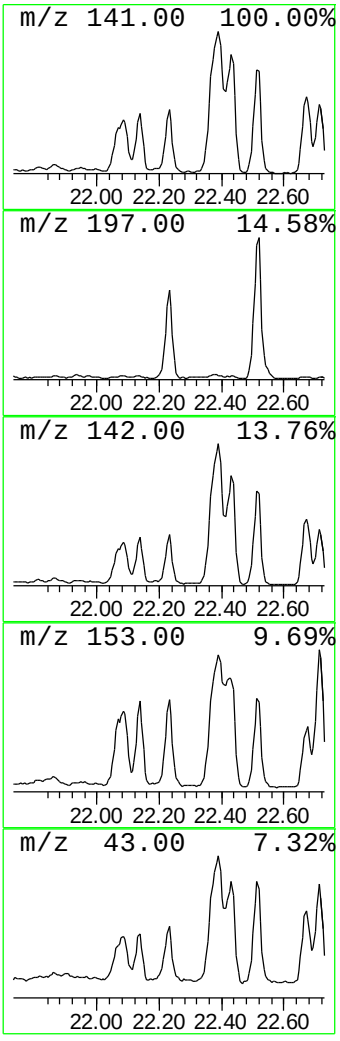
Peak Number 17 3,3,3-Trifluoro-2-(trifluor... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.23	73.25 ng/ul	1106420	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3,3-Trifluoro-2-(trifluorometh...	339	C11H6F9NO	295807-43-1	52
2	Naphthalene, 1-pentadecyl-	338	C25H38	055191-63-4	27
3	1-[2-Butyl-3-(1-chlorovinyl)-2-c...	232	C15H17Cl	1000261-30-1	9
4	2-Furanpropanoic acid, tetrahydr...	298	C18H18O4	055760-28-6	9
5	Naphthalene, 1-butyl-	184	C14H16	001634-09-9	9





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TIC Integration Parameters: LSCINT.P

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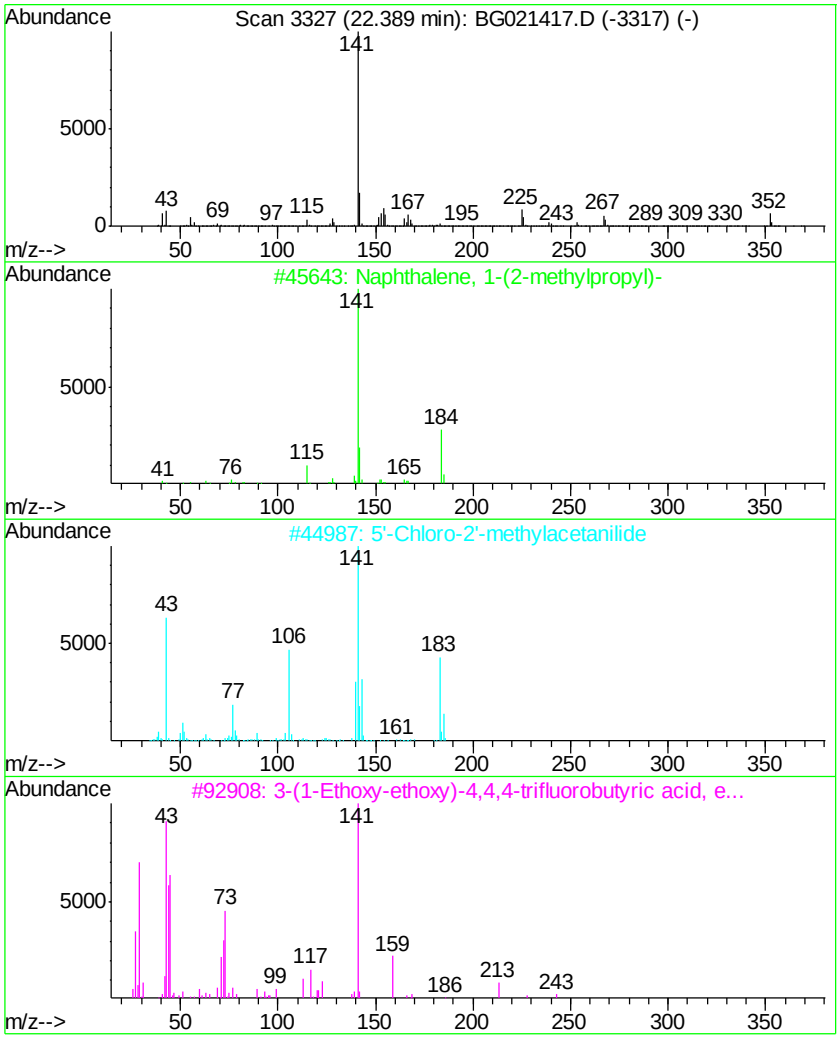
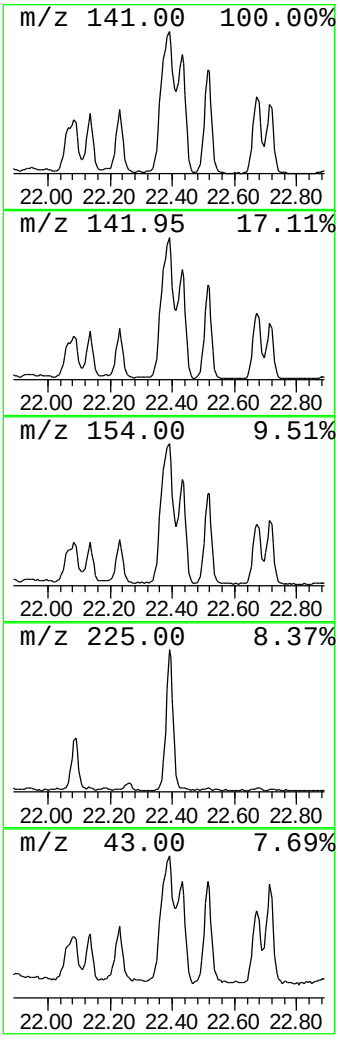
Peak Number 18 Naphthalene, 1-(2-methylpro... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.39	288.96 ng/ul	4364870	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-methylpropyl)-	184	C14H16	016727-91-6	53
2	5'-Chloro-2'-methylacetanilide	183	C9H10ClNO	005900-55-0	36
3	3-(1-Ethoxy-ethoxy)-4,4,4-triflu...	258	C10H17F3O4	095605-52-0	14
4	1-Pent-4-enylnaphthalene	196	C15H16	093359-74-1	10
5	Razoxane	268	C11H16N4O4	021416-87-5	9





Library Search Compound Report

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021417.D
Acq On : 10 Mar 2016 20:55
Operator : UM/SJ
Sample : H1616-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS004-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

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

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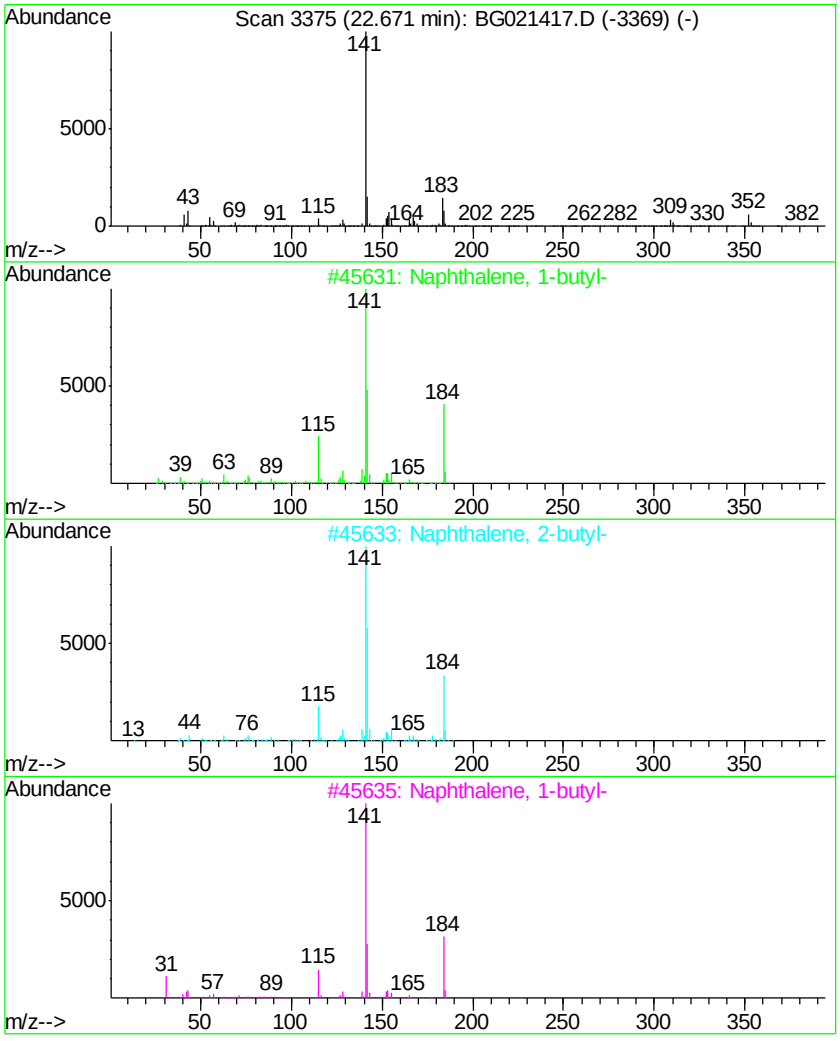
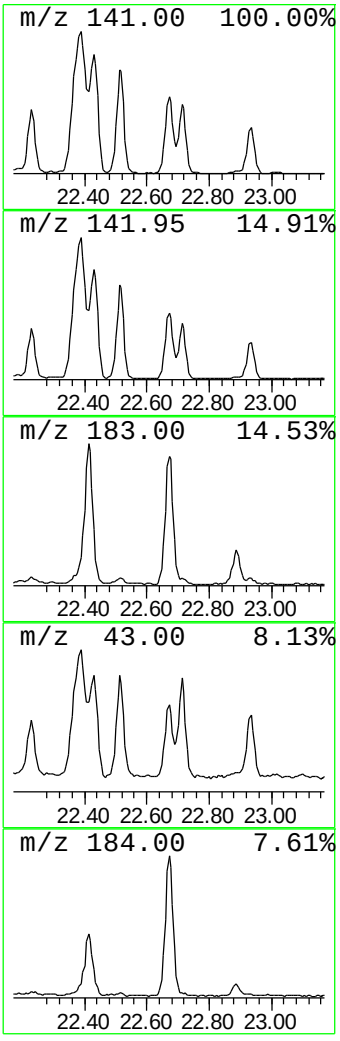
Peak Number 21 Naphthalene, 1-butyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.67	99.03 ng/ul	1495850	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-butyl-	184	C14H16	001634-09-9	50
2	Naphthalene, 2-butyl-	184	C14H16	001134-62-9	50
3	Naphthalene, 1-butyl-	184	C14H16	001634-09-9	28
4	Naphthalene, 1,1'-(1,4-butanediy...	310	C24H22	029571-17-3	25
5	Bicyclo[4.1.0]heptane, 7-(phenyl...	184	C14H16	082253-12-1	25





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Data File : BG021417.D
Acq On : 10 Mar 2016 20:55
Operator : UM/SJ
Sample : H1616-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS004-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

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

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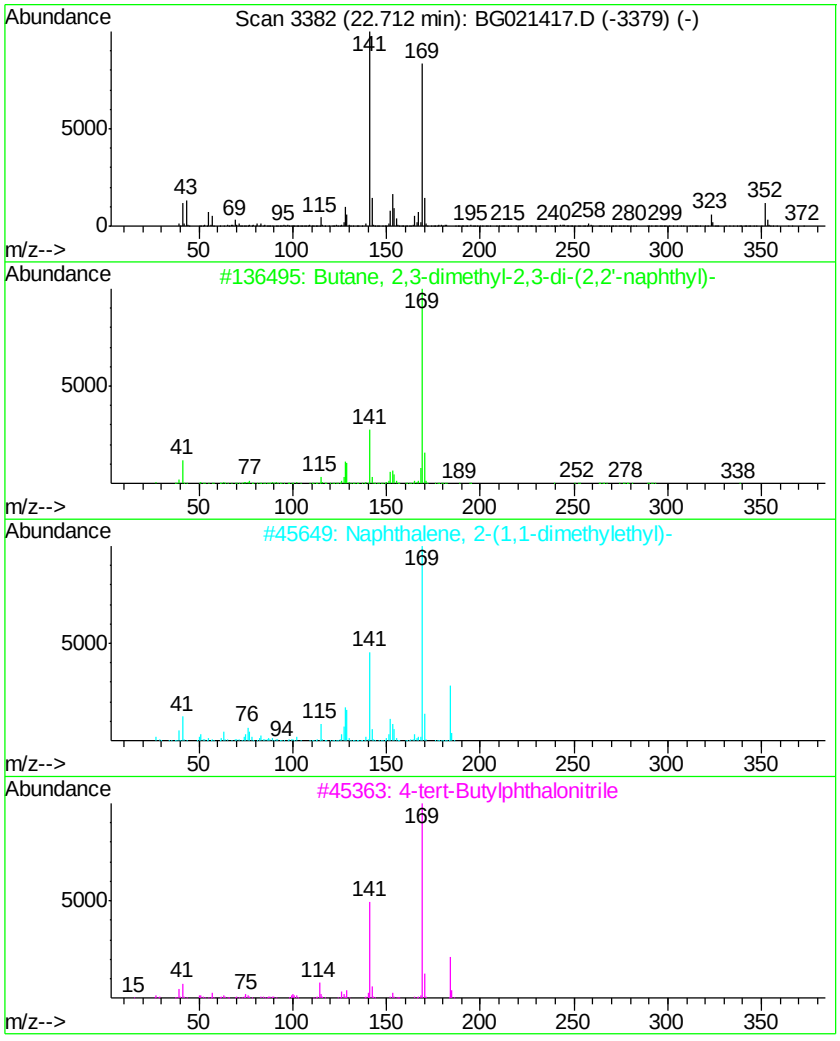
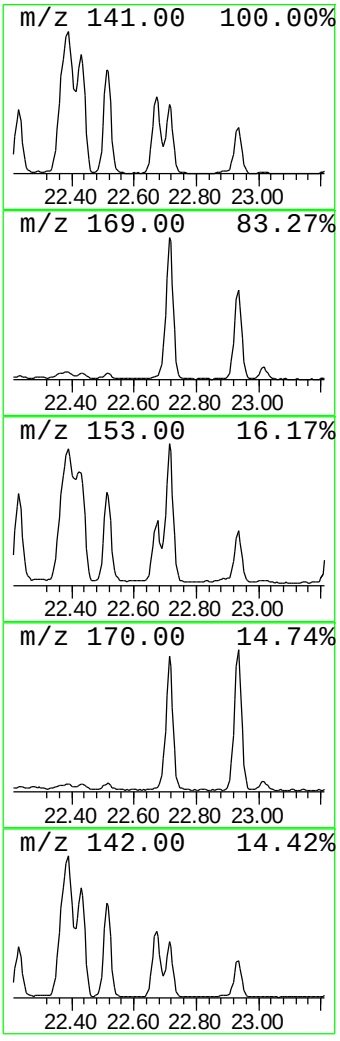
Peak Number 22 unknown-05 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.71	108.38 ng/ul	1637140	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-2,3-di-(2,2...	338	C26H26	1000150-93-8	42
2	Naphthalene, 2-(1,1-dimethylethyl)-	184	C14H16	002876-35-9	40
3	4-tert-Butylphthalonitrile	184	C12H12N2	032703-80-3	39
4	2-Methyl-2-phenpropionic acid, e...	242	C16H18O2	1000129-24-4	38
5	Naphthalene, 1-(1,1-dimethylethyl)-	184	C14H16	017085-91-5	36





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Data File : BG021417.D
Acq On : 10 Mar 2016 20:55
Operator : UM/SJ
Sample : H1616-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS004-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

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

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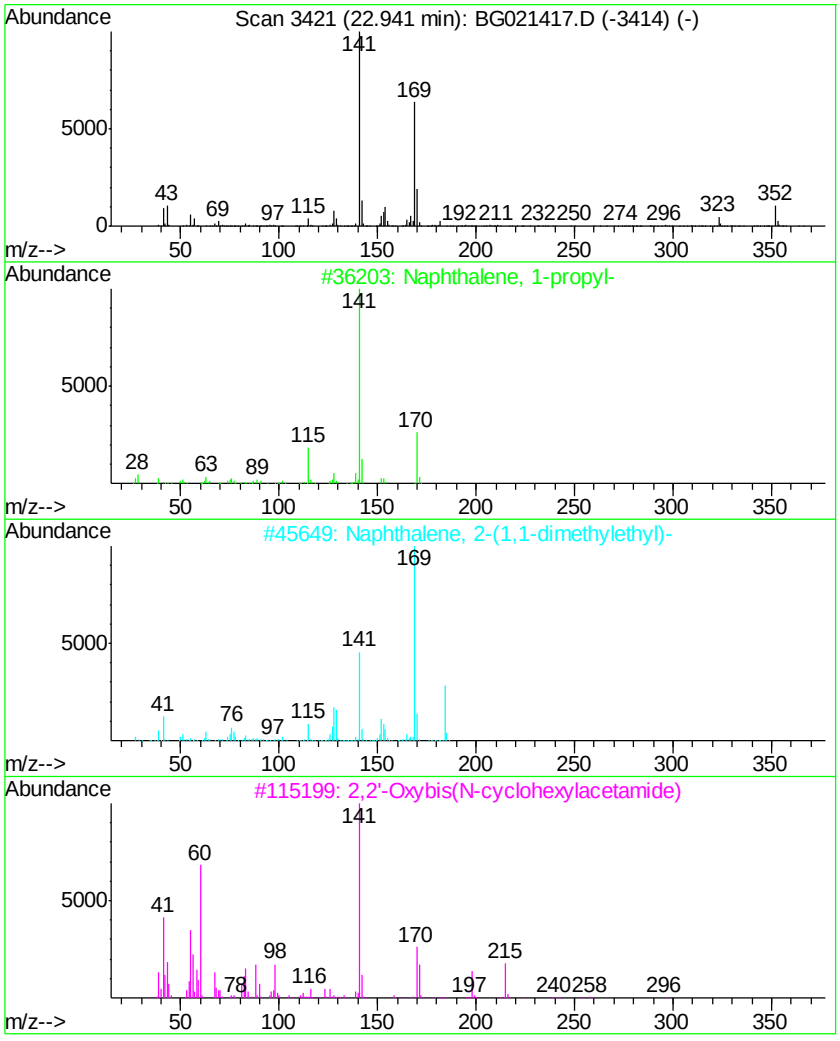
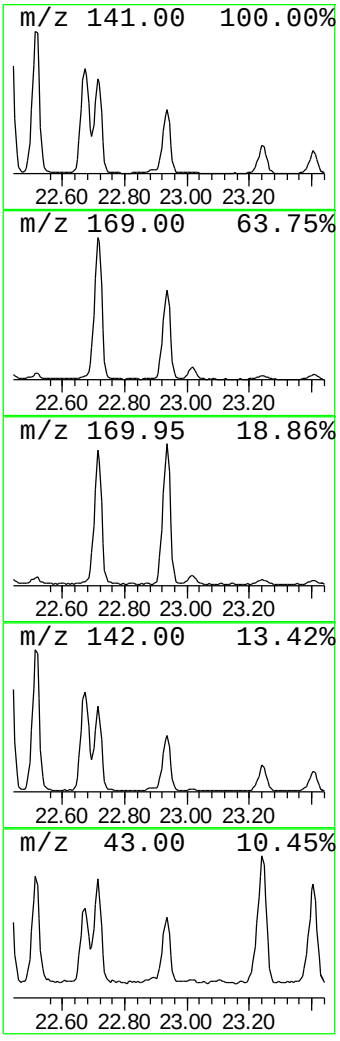
Peak Number 23 unknown-06 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.94	76.60 ng/ul	1157050	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-propyl-	170	C13H14	002765-18-6	47
2	Naphthalene, 2-(1,1-dimethylethyl)-	184	C14H16	002876-35-9	33
3	2,2'-Oxybis(N-cyclohexylacetamide)	296	C16H28N2O3	329718-76-5	25
4	4-tert-Butylphthalonitrile	184	C12H12N2	032703-80-3	25
5	Urea, N,N'-bis(3-chloro-2-methyl...	308	C15H14Cl2N2O	054965-10-5	25





Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021417.D
Acq On : 10 Mar 2016 20:55
Operator : UM/SJ
Sample : H1616-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS004-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

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

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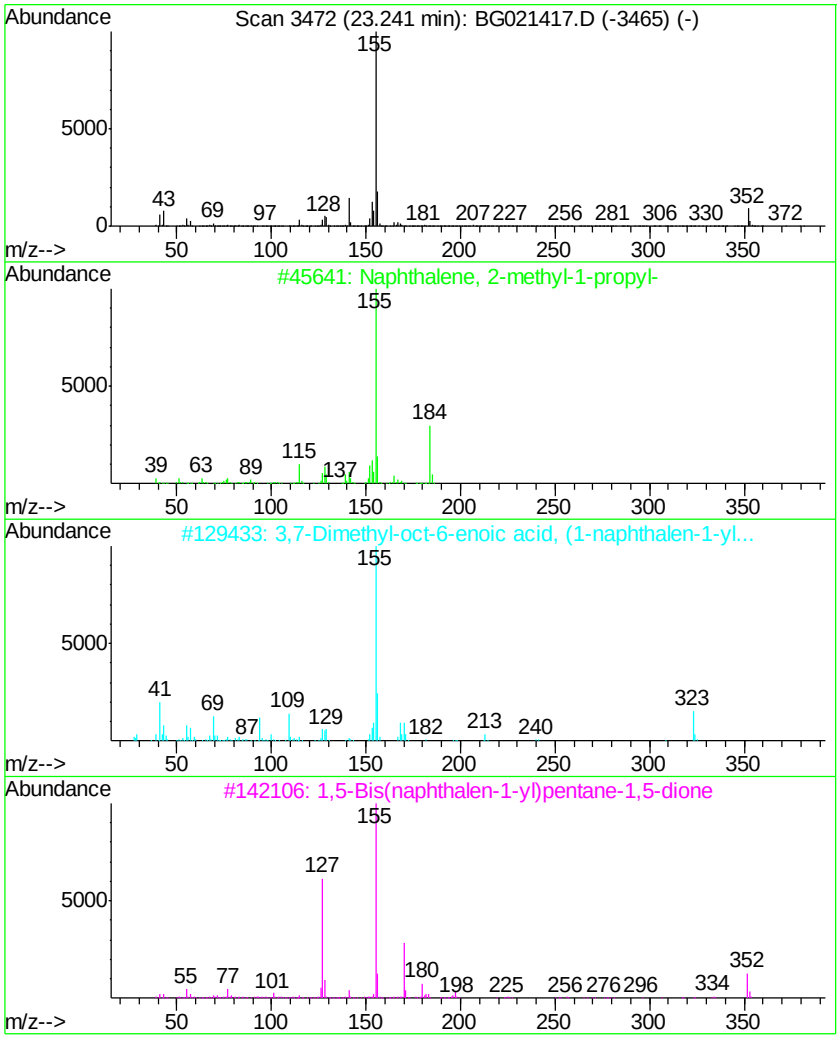
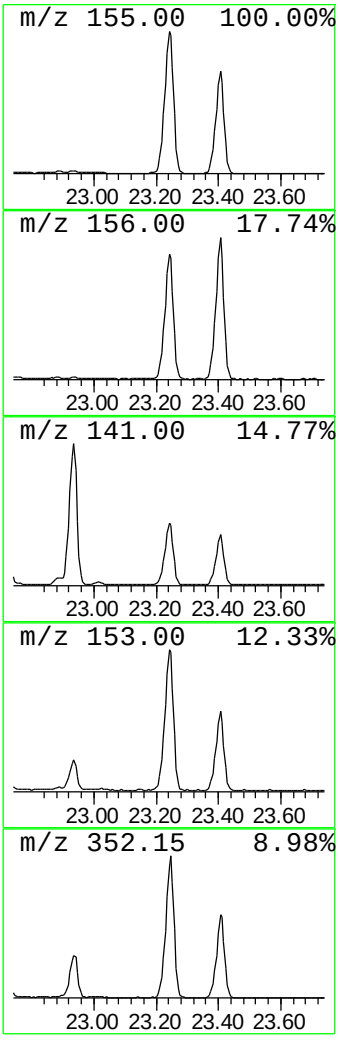
Peak Number 24 Naphthalene, 2-methyl-1-pro... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.24	182.99 ng/ul	2764190	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-1-propyl-	184	C14H16	054774-89-9	50
2	3,7-Dimethyl-oct-6-enoic acid, (...	323	C22H29NO	1000194-84-6	50
3	1,5-Bis(naphthalen-1-yl)pentane-...	352	C25H20O2	1000210-52-9	45
4	Phenylpropionic acid, .alpha.-am...	229	C10H12FNO4	1000126-07-3	38
5	A-bromo-2'-acetonaphthone	248	C12H9BrO	000613-54-7	38





Tentatively Identified Compound (LSC) summary

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021417.D
Acq On : 10 Mar 2016 20:55
Operator : UM/SJ
Sample : H1616-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS004-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.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
(DEL) Alkane: Cyc...	3.21	3.6	ng/ul	18230	1	8.12	102008	20.0
unknown-01	3.31	2.2	ng/ul	11233	1	8.12	102008	20.0
unknown-02	4.05	4.1	ng/ul	20829	1	8.12	102008	20.0
(DEL) Alkane: Str...	13.53	2.6	ng/ul	32527	3	14.73	251378	20.0
Naphthalene, 2,3-...	14.05	2.4	ng/ul	30100	3	14.73	251378	20.0
(DEL) Alkane: Str...	14.60	2.2	ng/ul	27139	3	14.73	251378	20.0
2,2,4-Trimethyl-1...	15.50	2.9	ng/ul	36570	3	14.73	251378	20.0
(DEL) Alkane: Str...	15.54	4.4	ng/ul	55843	3	14.73	251378	20.0
(DEL) Alkane: Str...	16.41	3.2	ng/ul	43793	4	17.47	271346	20.0
Tri(2-chloroethyl...	16.95	4.0	ng/ul	53608	4	17.47	271346	20.0
(DEL) Alkane: Str...	17.20	3.0	ng/ul	40436	4	17.47	271346	20.0
(DEL) Alkane: Str...	17.25	3.0	ng/ul	40985	4	17.47	271346	20.0
Phenanthrene, 2-m...	18.34	2.8	ng/ul	37486	4	17.47	271346	20.0
Phenanthrene, 4,5...	19.25	5.3	ng/ul	71803	4	17.47	271346	20.0
unknown-03	22.08	81.6	ng/ul	1232990	5	21.74	302112	20.0
unknown-04	22.14	51.8	ng/ul	782919	5	21.74	302112	20.0
3,3,3-Trifluoro-2...	22.23	73.3	ng/ul	1106420	5	21.74	302112	20.0
Naphthalene, 1-(2...	22.39	289.0	ng/ul	4364870	5	21.74	302112	20.0
Naphthalene, 1-bu...	22.67	99.0	ng/ul	1495850	5	21.74	302112	20.0
unknown-05	22.71	108.4	ng/ul	1637140	5	21.74	302112	20.0
unknown-06	22.94	76.6	ng/ul	1157050	5	21.74	302112	20.0
Naphthalene, 2-me...	23.24	183.0	ng/ul	2764190	5	21.74	302112	20.0