LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021009.D
Acq On : 20 Feb 2016 15:14
Operator : SJ/UM
Sample : H1453-14 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EGR-A-5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG021116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.896	683	691	696	rVB4	12694	36563	2.71%	0.178%
2	7.396	770	776	782	rBV3	32382	66922	4.96%	0.325%
3	7.736	830	834	839	rVV4	22311	48483	3.60%	0.236%
4	7.789	839	843	852	rVB4	24594	66041	4.90%	0.321%
5	8.071	879	891	897	rBV5	18503	49426	3.67%	0.240%
6	8.224	913	917	919	rVV	27920	40759	3.02%	0.198%
7	8.259	919	923	928	rVB	71504	109797	8.14%	0.534%
8	8.318	928	933	939	rVB4	24586	53668	3.98%	0.261%
9	8.382	939	944	948	rBV5	13805	30600	2.27%	0.149%
10	8.435	948	953	957	rBV3	38280	61337	4.55%	0.298%
11	8.494	957	963	967	rBV3	34255	69542	5.16%	0.338%
12	8.541	967	971	975	rVV2	40996	60546	4.49%	0.294%
13	8.594	975	980	988	rVB5	30625	76695	5.69%	0.373%
14	8.753	1002	1007	1010	rBV2	17032	28267	2.10%	0.137%
15	8.817	1010	1018	1028	rVB5	38621	127329	9.44%	0.619%
16	8.935	1028	1038	1045	rBV5	23834	69449	5.15%	0.338%
17	9.040	1051	1056	1062	rVB6	16699	37032	2.75%	0.180%
18	9.105	1062	1067	1072	rBV4	50451	114622	8.50%	0.557%
19	9.252	1082	1092	1093	rBV8	14597	36928	2.74%	0.179%
20	9.334	1101	1106	1107	rBV3	36905	50145	3.72%	0.244%
21	9.369	1108	1112	1118	rVB	70065	127902	9.49%	0.622%
22	9.463	1123	1128	1134	rVB4	60652	110615	8.21%	0.538%
23	9.581	1143	1148	1149	rBV3	44658	71358	5.29%	0.347%
24	9.728	1163	1173	1180	rVB7	49916	147043	10.91%	0.715%
25	9.828	1181	1190	1197	rBV10	31155	114843	8.52%	0.558%
26	9.898	1197	1202	1208	rVV5	80606	152362	11.30%	0.740%
27	9.957	1209	1212	1215	rVV4	27302	47334	3.51%	0.230%
28	9.998	1215	1219	1229	rVB4	75186	178994	13.28%	0.870%
29	10.133	1235	1242	1243	rBV4	38482	70764	5.25%	0.344%
30	10.192	1248	1252	1257	rVB	76916	120334	8.93%	0.585%
31	10.262	1257	1264	1269	rBV5	85920	164271	12.19%	0.798%
32	10.474	1295	1300	1303	rBV5	31775	62962	4.67%	0.306%
33	10.650	1324	1330	1339	rBV7	35001	108639	8.06%	0.528%
34	10.785	1346	1353	1359	rBV4	51568	127987	9.49%	0.622%

LSC Area Percent Report

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Data File : BG021009.D
Acq On : 20 Feb 2016 15:14
Operator : SJ/UM
Sample : H1453-14 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EGR-A-5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG021116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.850	1359	1364	1370	rBV3	42788	89622	6.65%	0.436%
36	10.926	1374	1377	1380	rBV2	28195	37624	2.79%	0.183%
37	10.967	1380	1384	1391	rBV4	39790	84055	6.23%	0.409%
38	11.055	1391	1399	1400	rBV5	70457	138682	10.29%	0.674%
39	11.091	1401	1405	1412	rVB2	126223	228788	16.97%	1.112%
40	11.220	1418	1427	1433	rVB2	204862	459894	34.11%	2.235%
41	11.290	1433	1439	1445	rBV6	98575	213231	15.82%	1.036%
42	11.343	1446	1448	1458	rVB7	34976	77116	5.72%	0.375%
43	11.449	1458	1466	1470	rBV6	55828	128740	9.55%	0.626%
44	11.502	1471	1475	1479	rBV3	47654	81946	6.08%	0.398%
45	11.566	1479	1486	1491	rVB4	93782	227247	16.86%	1.104%
46	11.613	1491	1494	1497	rBV4	21690	31986	2.37%	0.155%
47	11.772	1512	1521	1528	rVB5	164868	376599	27.93%	1.830%
48	11.842	1531	1533	1538	rVB3	31431	43255	3.21%	0.210%
49	11.901	1538	1543	1551	rBV7	47738	116133	8.61%	0.564%
50	11.983	1552	1557	1563	rVB7	94194	191249	14.19%	0.929%
51	12.077	1567	1573	1577	rVV	404857	614830	45.61%	2.988%
52	12.119	1577	1580	1584	rVV3	103540	171687	12.74%	0.834%
53	12.171	1585	1589	1594	rVB3	93626	171423	12.72%	0.833%
54	12.265	1600	1605	1609	rBV5	63468	112241	8.33%	0.545%
55	12.348	1616	1619	1623	rVB3	48955	56526	4.19%	0.275%
56	12.459	1634	1638	1641	rBV3	35865	65564	4.86%	0.319%
57	12.677	1669	1675	1682	rVB5	179432	408543	30.30%	1.986%
58	12.741	1683	1686	1689	rBV4	26737	42061	3.12%	0.204%
59	12.806	1694	1697	1702	rVB4	60661	100403	7.45%	0.488%
60	12.865	1703	1707	1709	rBV4	53223	89702	6.65%	0.436%
61	12.964	1721	1724	1729	rVB3	84685	128614	9.54%	0.625%
62	13.088	1741	1745	1750	rBV9	64622	114145	8.47%	0.555%
63	13.152	1752	1756	1764	rVB2	149032	263115	19.52%	1.279%
64	13.223	1764	1768	1773	rBV5	55428	117971	8.75%	0.573%
65	13.399	1793	1798	1807	rVB	543783	815187	60.47%	3.962%
66	13.669	1839	1844	1846	rBV3	127417	210824	15.64%	1.025%
67	14.040	1903	1907	1908	rBV2	115403	153046	11.35%	0.744%
68	14.198	1929	1934	1939	rVB	306689	490972	36.42%	2.386%
69	14.251	1939	1943	1947	rVB2	148396	224047	16.62%	1.089%
70	14.298	1947	1951	1954	rBV	214272	342494	25.40%	1.665%
71	14.333	1954	1957	1962	rVB2	667823	840152	62.32%	4.083%

LSC Area Percent Report

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Acq On : 20 Feb 2016 15:14
Operator : SJ/UM
Sample : H1453-14 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EGR-A-5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG021116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.386	1962	1966	1969	rBV4	78736	113560	8.42%	0.552%
73	14.433	1970	1974	1983	rVB5	136624	264695	19.63%	1.286%
74	14.603	1999	2003	2004	rBV2	106085	137956	10.23%	0.670%
75	14.703	2016	2020	2026	rVB4	185357	300277	22.27%	1.459%
76	14.821	2036	2040	2042	rBV3	106074	163977	12.16%	0.797%
77	14.874	2046	2049	2054	rVB2	243893	381712	28.31%	1.855%
78	14.950	2059	2062	2066	rVB4	86481	109266	8.10%	0.531%
79	15.079	2078	2084	2092	rVB2	211654	458803	34.03%	2.230%
80	15.156	2093	2097	2105	rBV6	88907	228902	16.98%	1.112%
81	15.261	2109	2115	2123	rVB2	250239	537732	39.89%	2.613%
82	15.338	2124	2128	2138	rBV3	204549	490232	36.36%	2.383%
83	15.485	2148	2153	2157	rBV2	227458	417452	30.97%	2.029%
84	15.532	2157	2161	2165	rVB	164683	234063	17.36%	1.138%
85	15.584	2166	2170	2174	rVB3	102362	167688	12.44%	0.815%
86	15.655	2175	2182	2185	rBV4	196544	433561	32.16%	2.107%
87	16.090	2251	2256	2266	rVB	486859	977169	72.48%	4.749%
88	16.313	2291	2294	2298	rVB2	82773	106911	7.93%	0.520%
89	16.354	2298	2301	2304	rBV	67175	84453	6.26%	0.410%
90	16.571	2333	2338	2344	rBV2	951053	1348141	100.00%	6.552%
91	17.388	2472	2477	2482	rBV	472673	725222	53.79%	3.525%
92	17.611	2511	2515	2519	rVB	219763	296675	22.01%	1.442%
93	17.999	2577	2581	2586	rBV3	118617	183753	13.63%	0.893%
94	18.528	2668	2671	2676	rVB	109072	144569	10.72%	0.703%
95	19.203	2783	2786	2791	rVB2	122348	182106	13.51%	0.885%
96	19.379	2812	2816	2820	rBV	143516	196924	14.61%	0.957%
97	20.119	2939	2942	2946	rBV2	73176	108704	8.06%	0.528%
98	20.184	2951	2953	2958	rVB	89158	110989	8.23%	0.539%
99	21.888	3239	3243	3255	rVB	226934	410996	30.49%	1.997%
100	25.265	3813	3818	3833	rVB3	123172	360095	26.71%	1.750%

Sum of corrected areas: 20575856

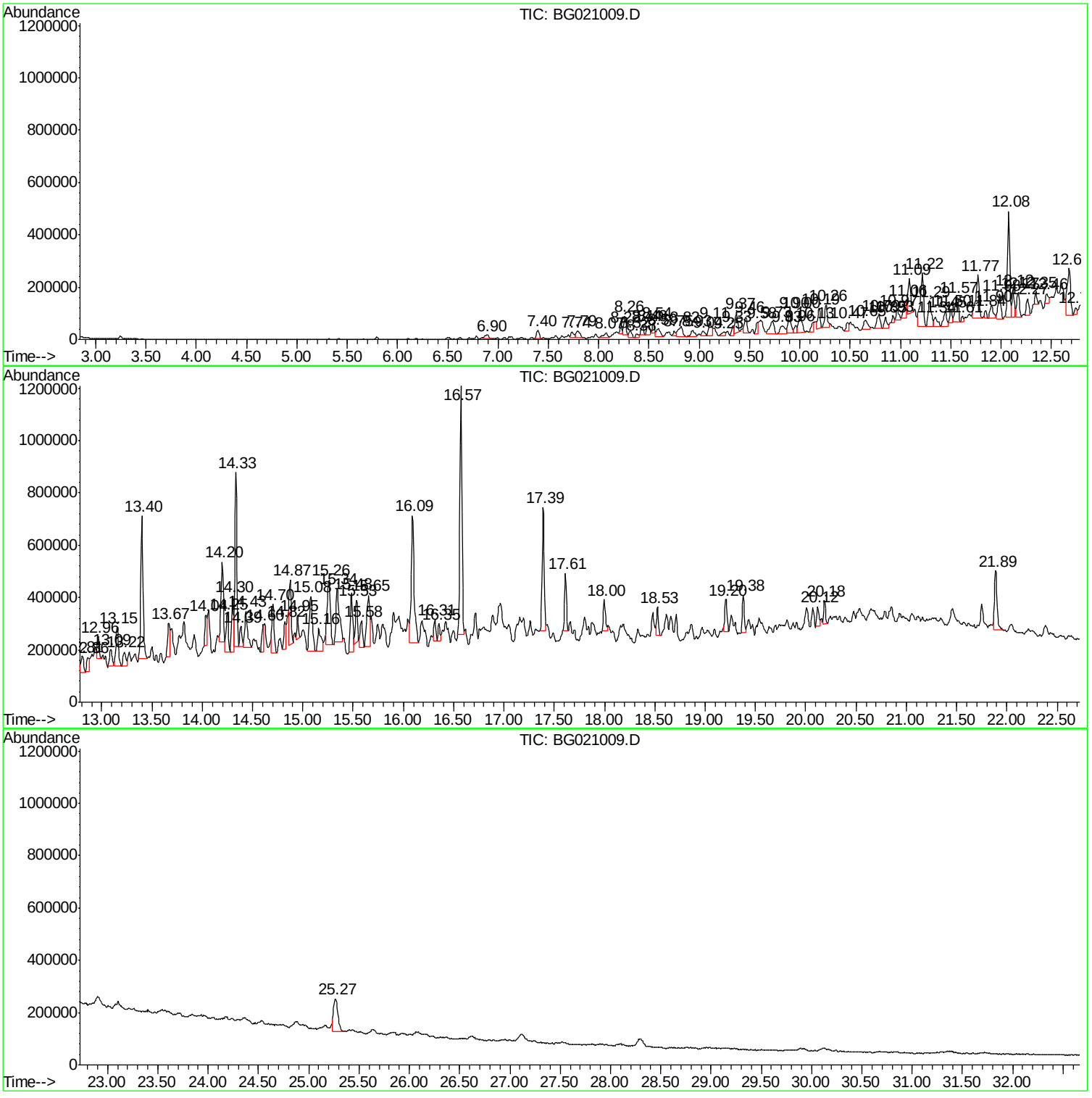
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021009.D
Acq On : 20 Feb 2016 15:14
Operator : SJ/UM
Sample : H1453-14 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EGR-A-5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021009.D
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Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EGR-A-5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

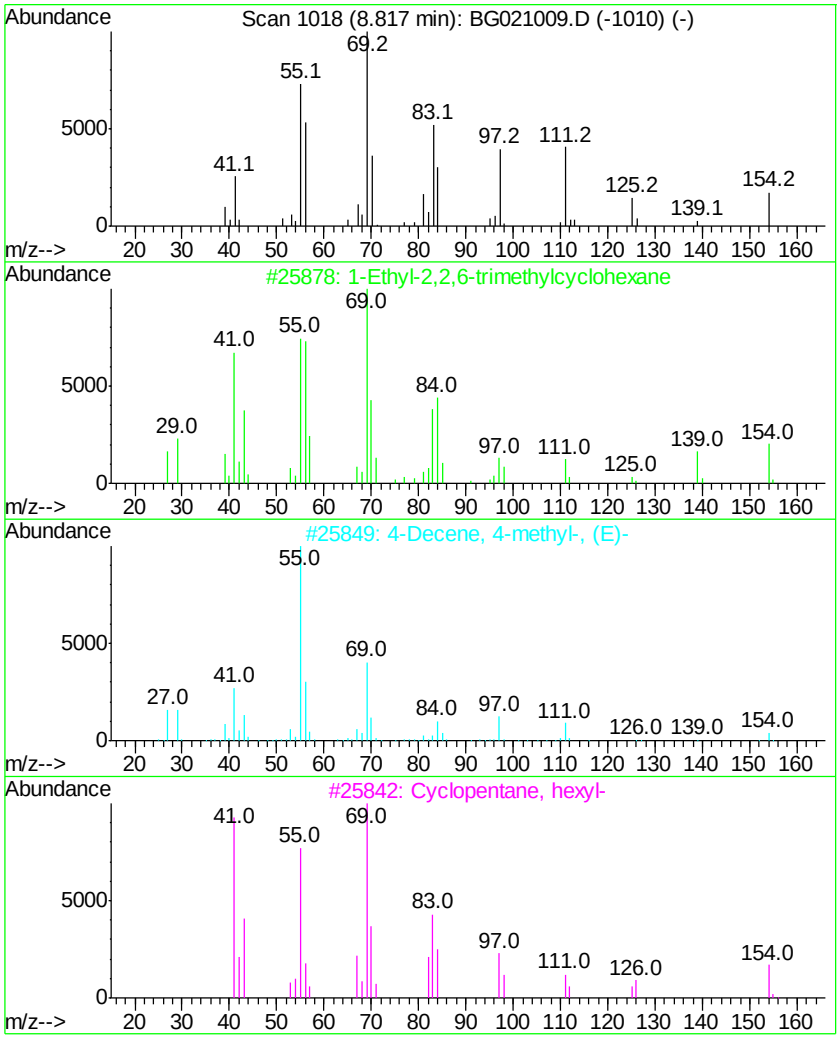
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

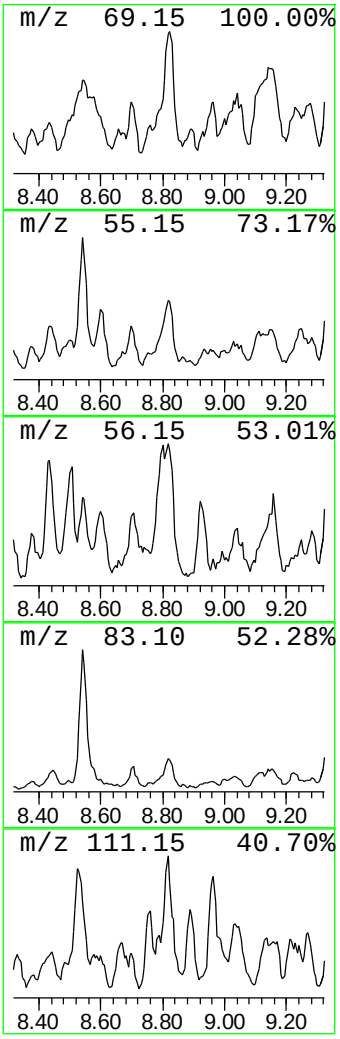
****

Peak Number 1 1-Ethyl-2,2,6-trimethylcycl... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	23.19 ng	127329	1,4-Dichlorobenzene-d4	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	62
2	4-Decene, 4-methyl-, (E)-	154	C11H22	060366-66-7	59
3	Cyclopentane, hexyl-	154	C11H22	004457-00-5	58
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	50
5	Cyclooctane, butyl-	168	C12H24	016538-93-5	47





Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021009.D
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Operator : SJ/UM
Sample : H1453-14 20X
Misc :
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Instrument : BNA_G
ClientSampleId : EGR-A-5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

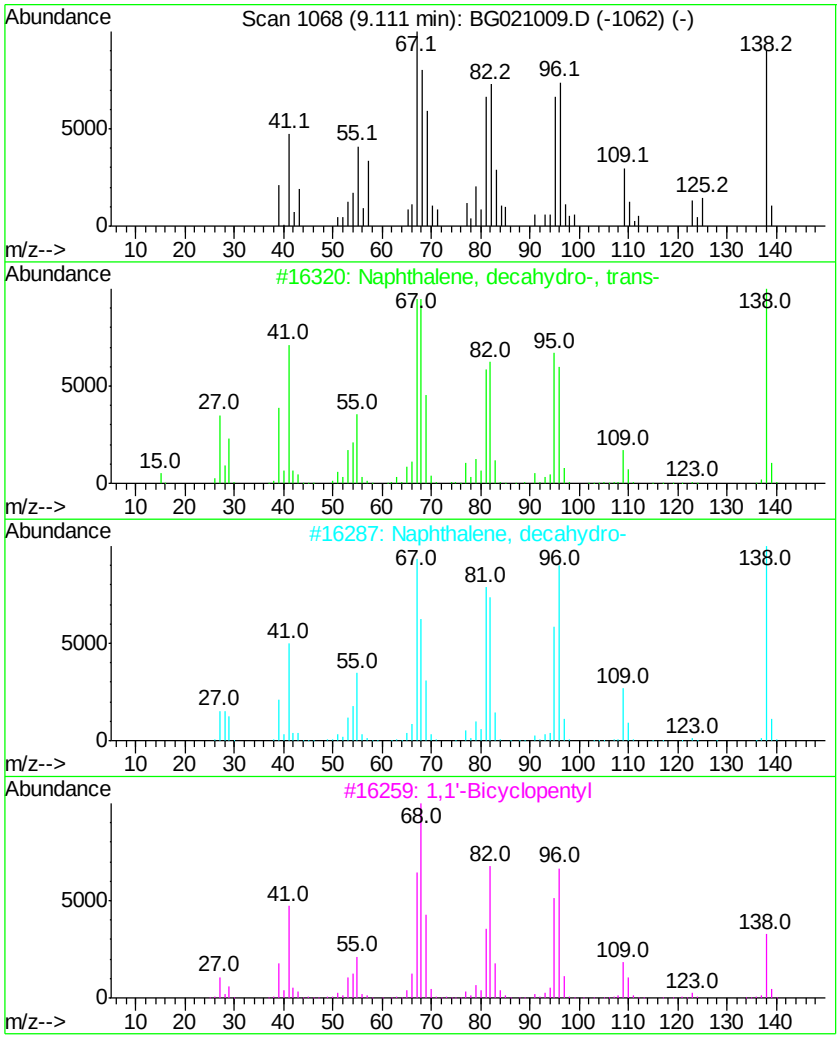
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

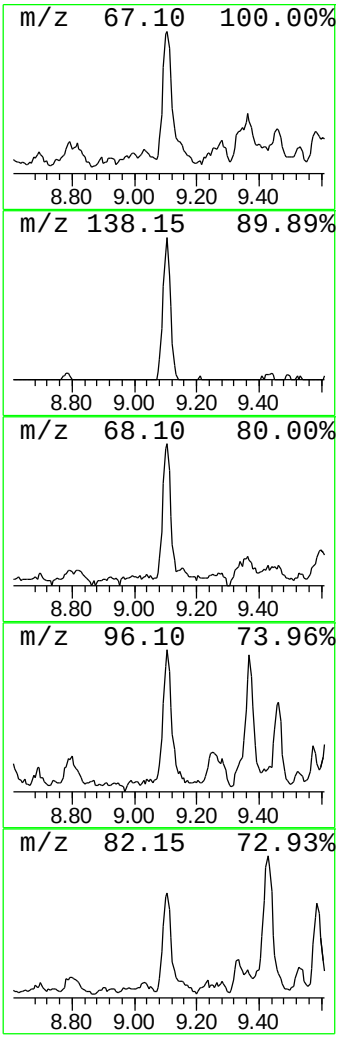
****

Peak Number 2 Naphthalene, decahydro-, tr... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.11	20.88 ng	114622	1,4-Dichlorobenzene-d4	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	97
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	96
3	1,1'-Bicyclopentyl	138	C10H18	001636-39-1	87
4	Cyclopentanone, 2-(2-methylpropy...	138	C9H14O	016856-72-7	62
5	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	001195-31-9	52





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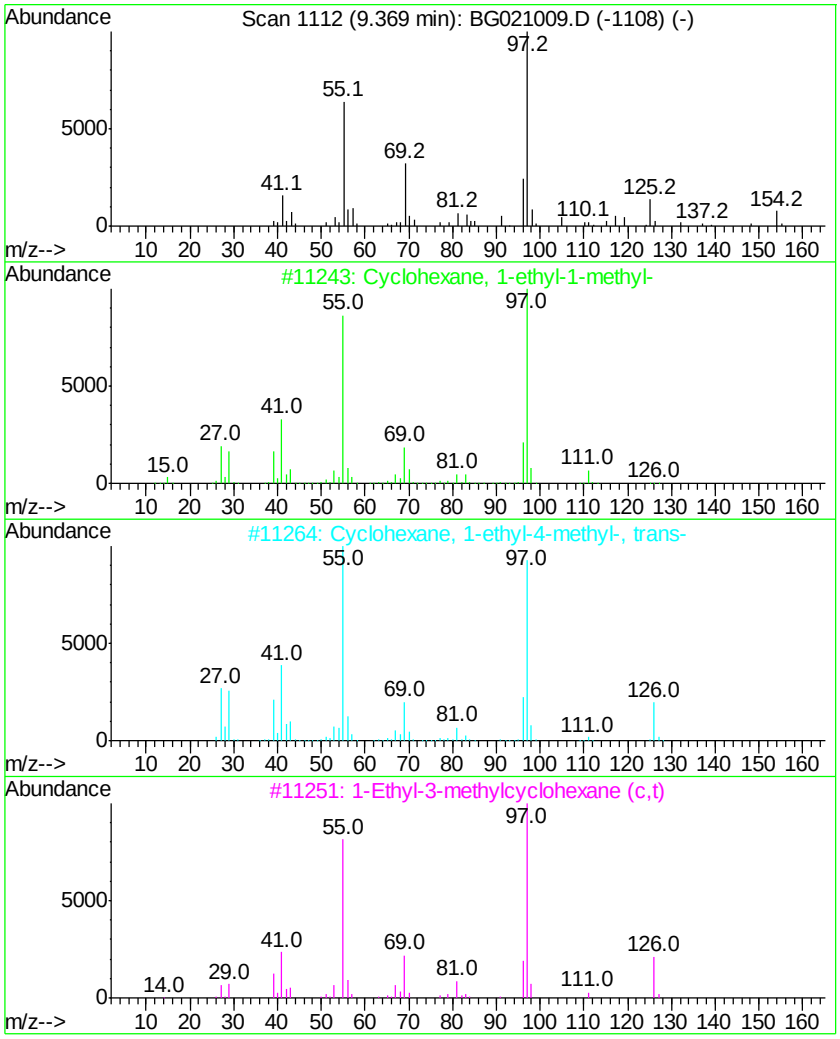
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

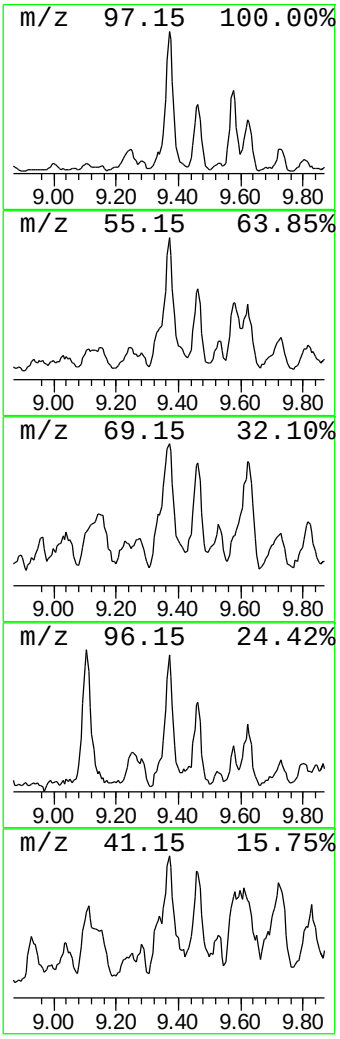
****

Peak Number 3 Cyclohexane, 1-ethyl-1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	23.30 ng	127902	1,4-Dichlorobenzene-d4	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	64
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64
3	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	53
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	53
5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	52





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Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EGR-A-5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

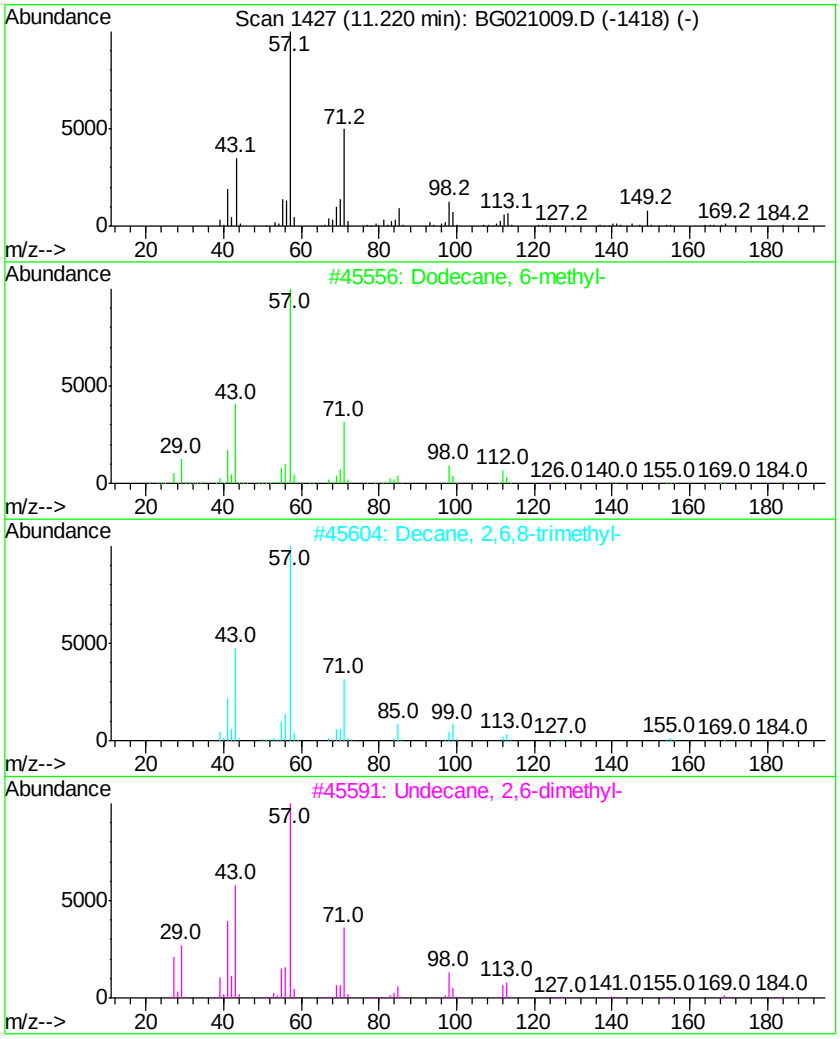
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

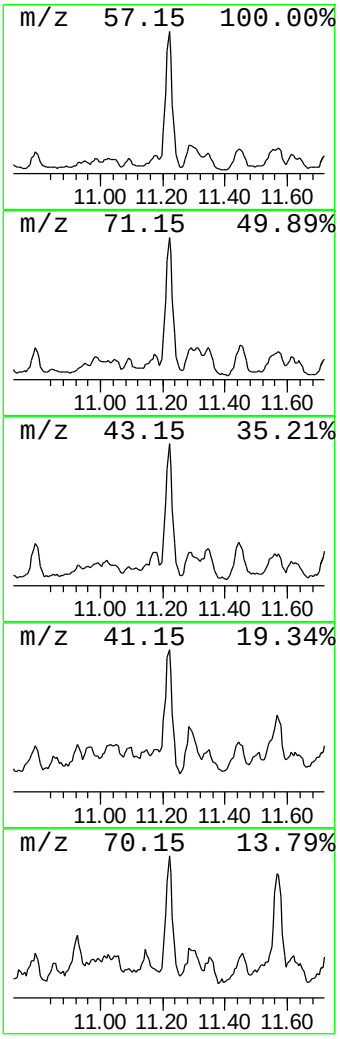
****

Peak Number 4 Dodecane, 6-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	40.20 ng	459894	Naphthalene-d8	11.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 6-methyl-	184	C13H28	006044-71-9	90
2	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	81
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	78
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	62
5	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021009.D
Acq On : 20 Feb 2016 15:14
Operator : SJ/UM
Sample : H1453-14 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EGR-A-5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

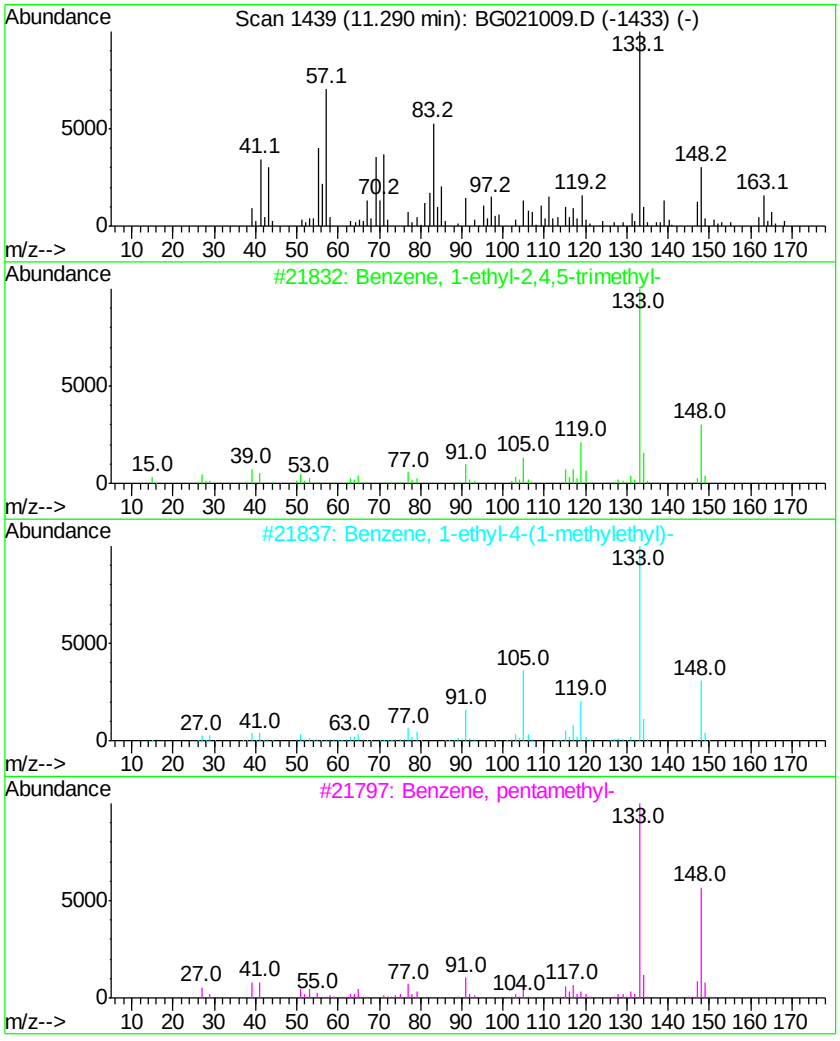
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

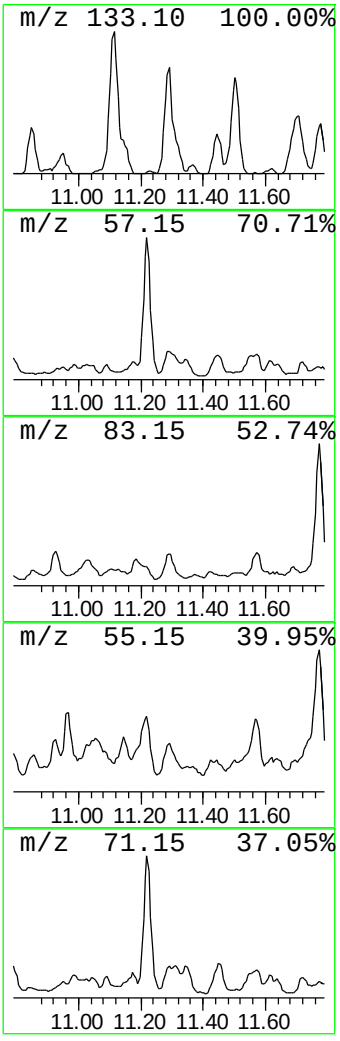
****

Peak Number 5 Benzene, 1-ethyl-2,4,5-trim... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	18.64 ng	213231	Naphthalene-d8	11.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	70
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	60
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	60
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	55
5	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	55





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Acq On : 20 Feb 2016 15:14
Operator : SJ/UM
Sample : H1453-14 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EGR-A-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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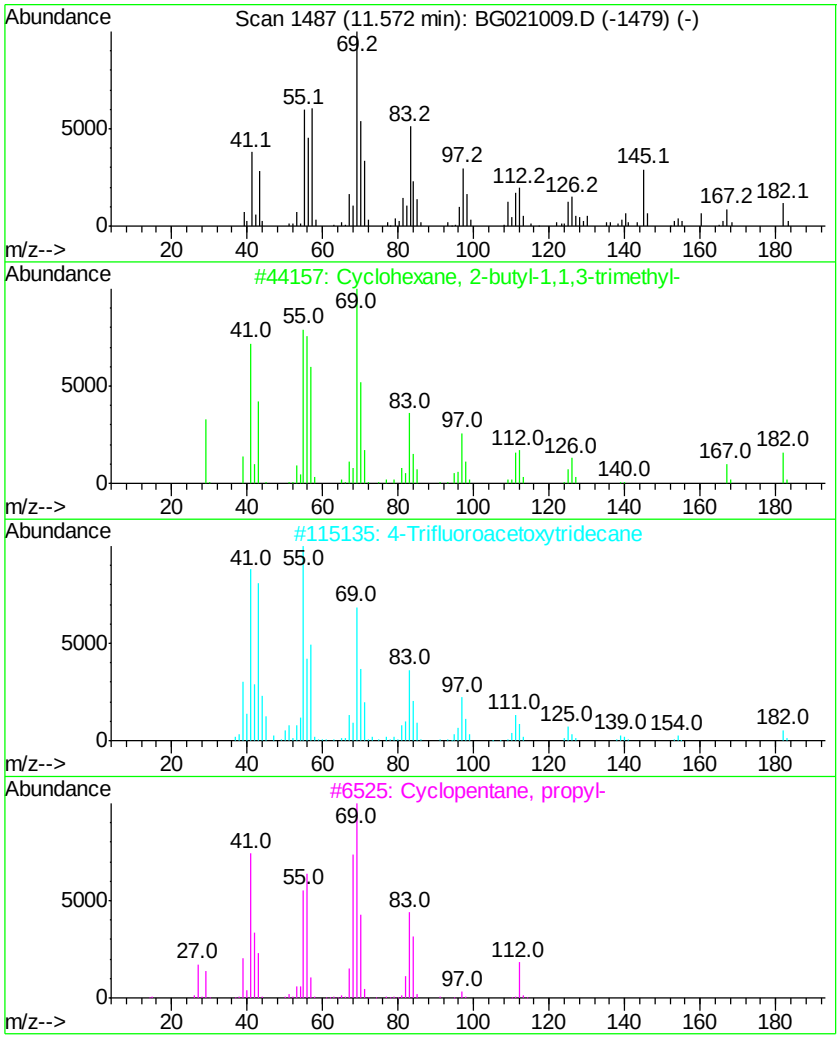
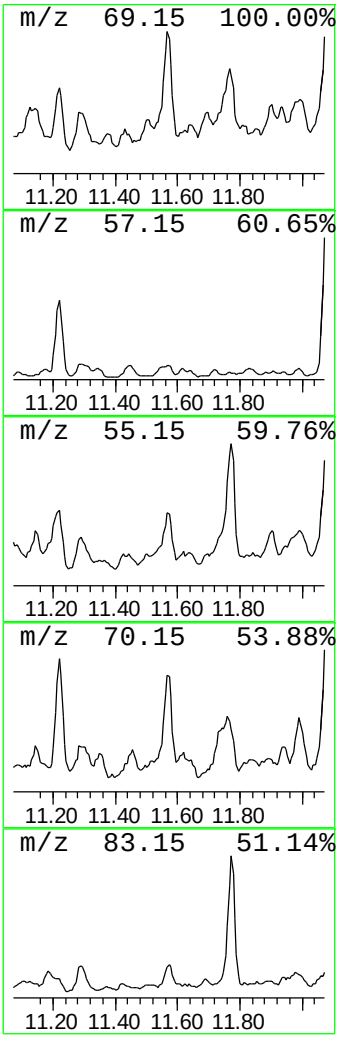
Peak Number 6 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	19.87 ng	227247	Naphthalene-d8	11.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	95
2	4-Trifluoroacetoxytridecane	296	C15H27F3O2	1000245-47-3	80
3	Cyclopentane, propyl-	112	C8H16	002040-96-2	62
4	6-Tridecene, (Z)-	182	C13H26	006508-77-6	58
5	6-Tridecene, (E)-	182	C13H26	006434-76-0	58





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Sample : H1453-14 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EGR-A-5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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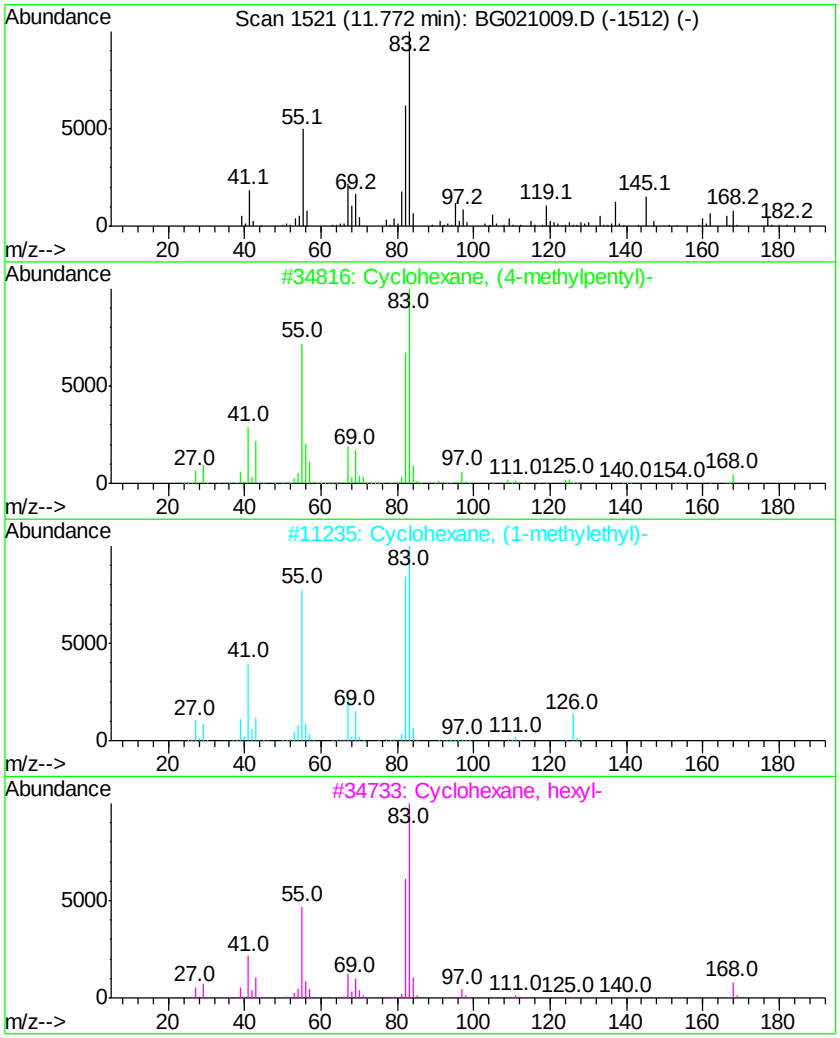
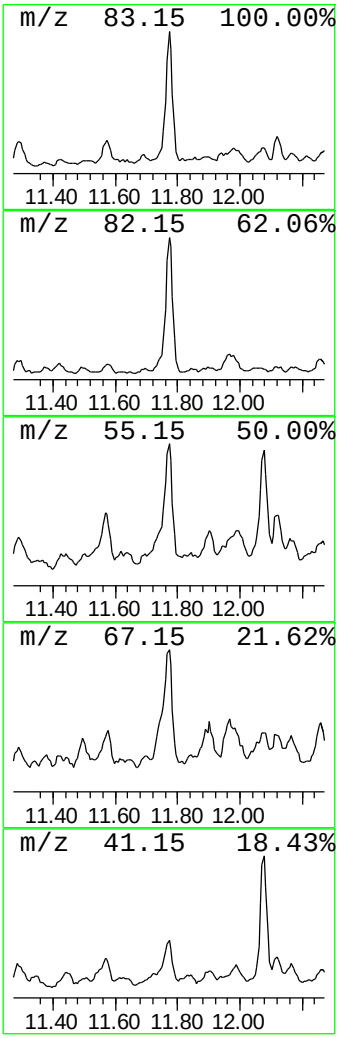
Peak Number 7 Cyclohexane, (4-methylpentyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	32.92 ng	376599	Naphthalene-d8	11.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	59
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	53
3	Cyclohexane, hexyl-	168	C12H24	004292-75-5	53
4	Cyclohexane, undecyl-	238	C17H34	054105-66-7	50
5	Cyclohexane, eicosyl-	364	C26H52	004443-55-4	50





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ClientSampleId : EGR-A-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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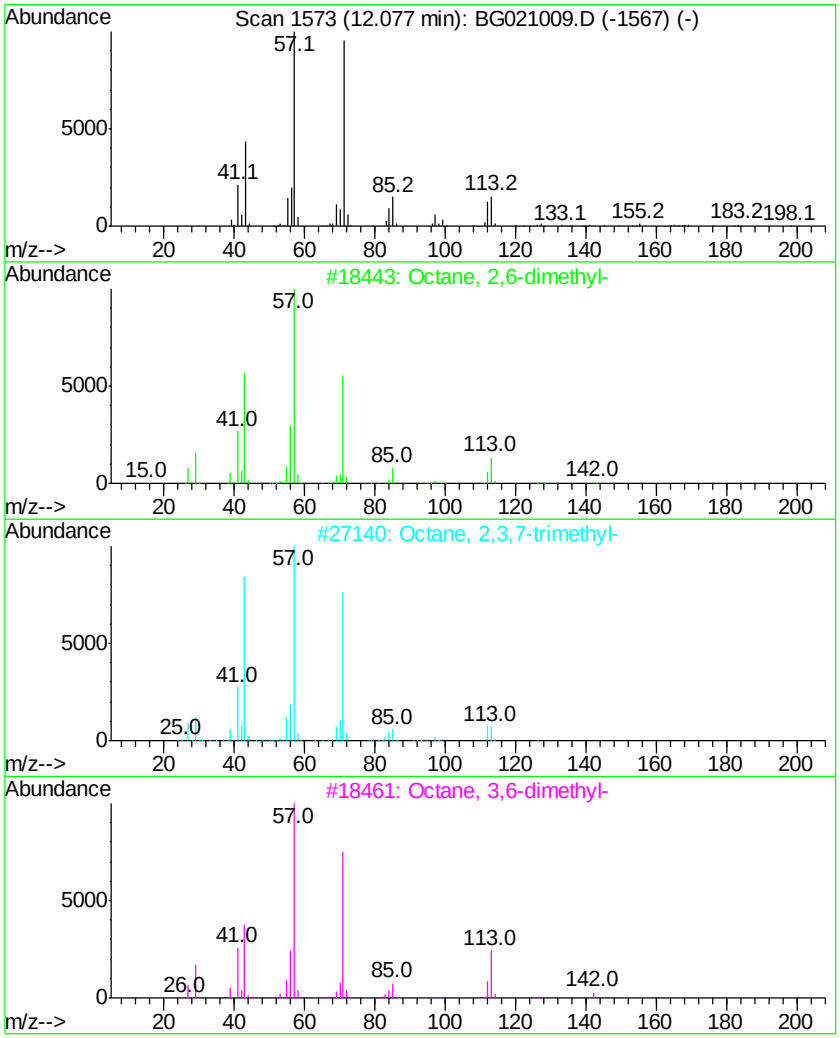
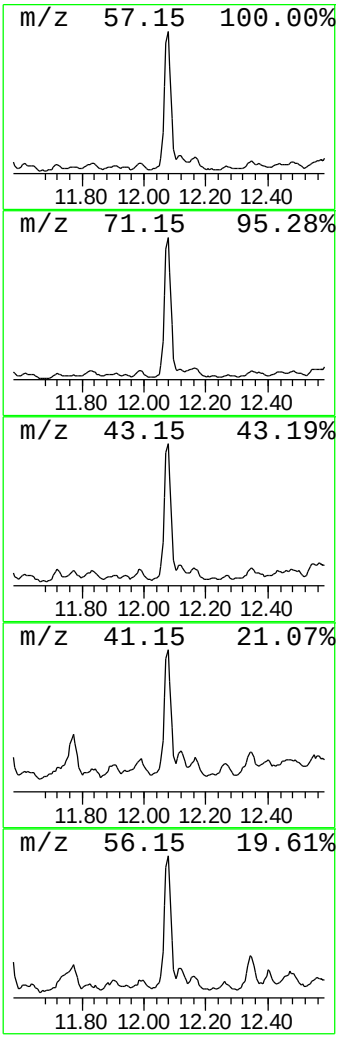
Peak Number 8 Octane, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	53.75 ng	614830	Naphthalene-d8	11.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
2	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	83
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	78
5	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64





Library Search Compound Report

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Operator : SJ/UM
Sample : H1453-14 20X
Misc :
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ClientSampleId : EGR-A-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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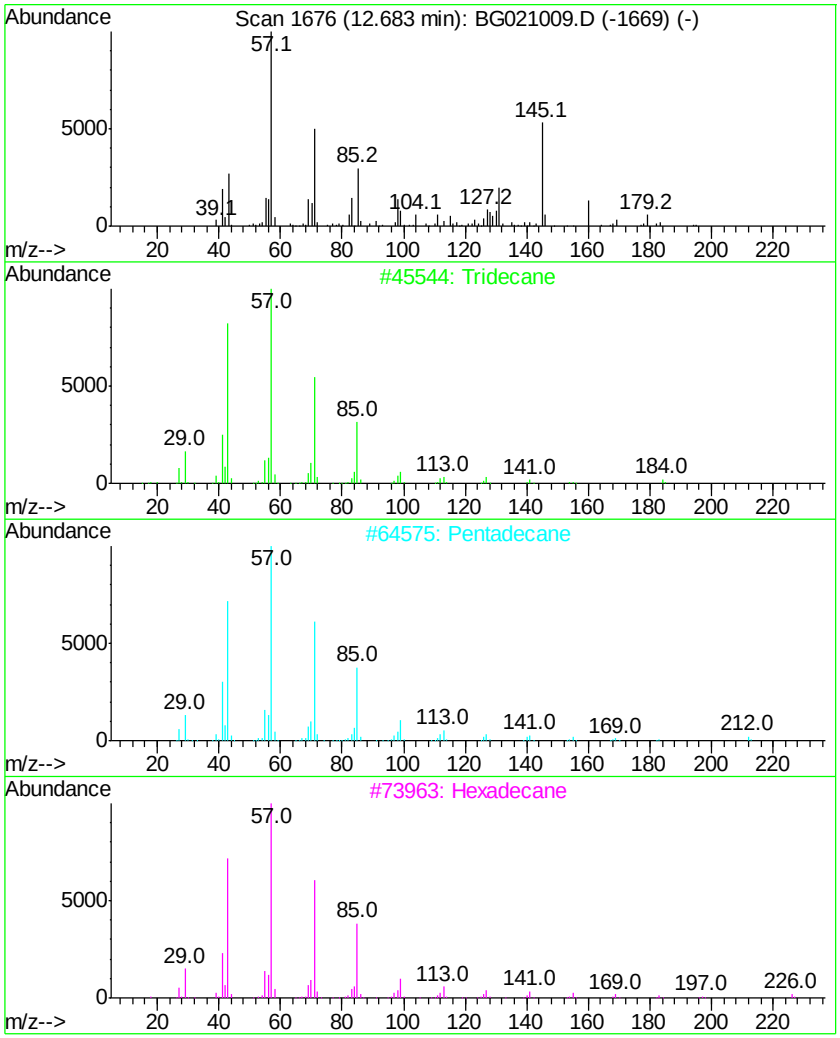
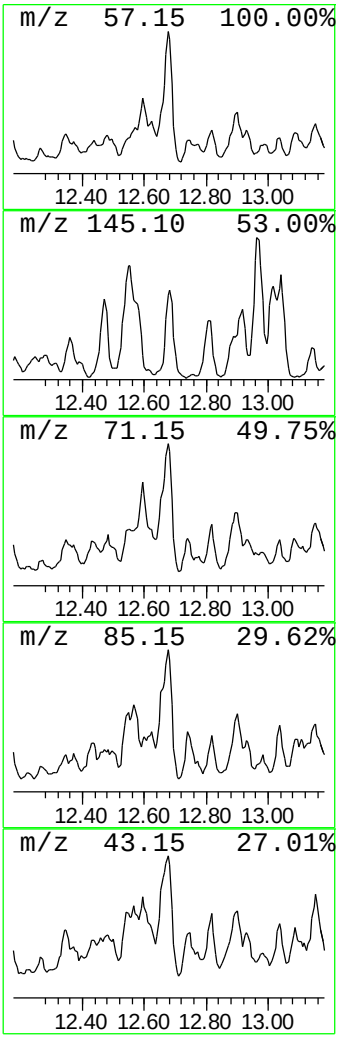
Peak Number 9 unknown12.68 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	35.71 ng	408543	Naphthalene-d8	11.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	38
2	Pentadecane	212	C15H32	000629-62-9	38
3	Hexadecane	226	C16H34	000544-76-3	38
4	10-Methylnonadecane	282	C20H42	056862-62-5	38
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	38





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ClientSampleId : EGR-A-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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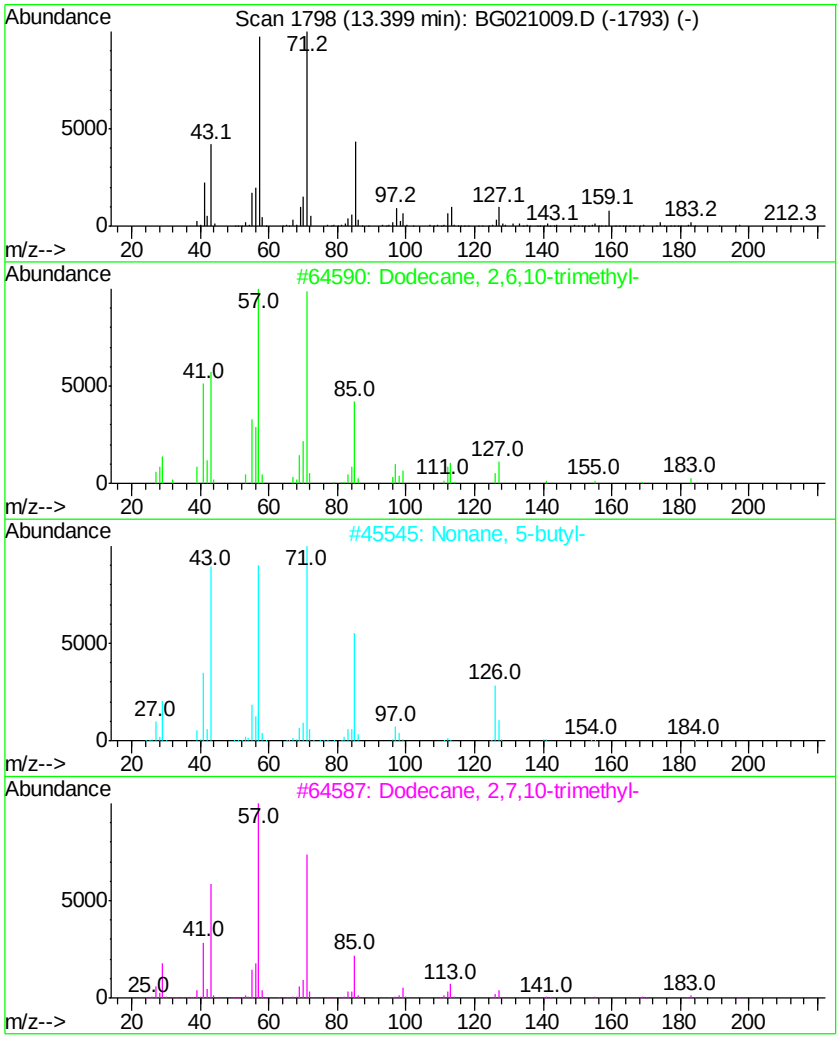
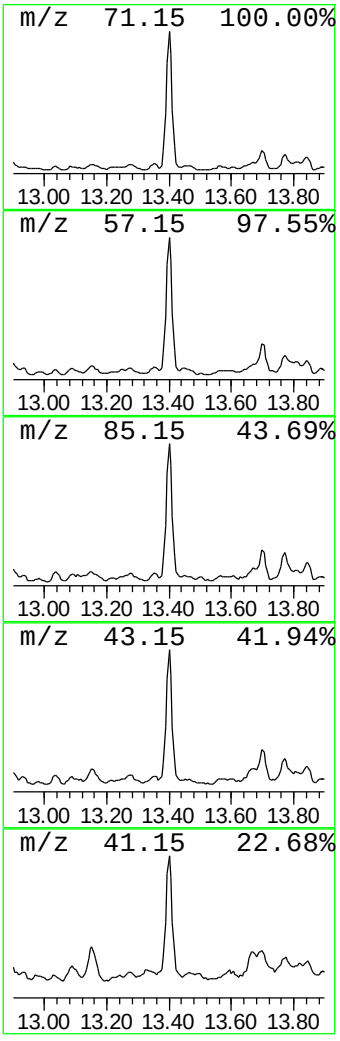
Peak Number 10 Dodecane, 2,6,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	42.71 ng	815187	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	83
2	Nonane, 5-butyl-	184	C13H28	017312-63-9	81
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	58
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	58





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ALS Vial : 36 Sample Multiplier: 1

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ClientSampleId : EGR-A-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 Naphthalene, 1,4-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	25.72 ng	490972	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
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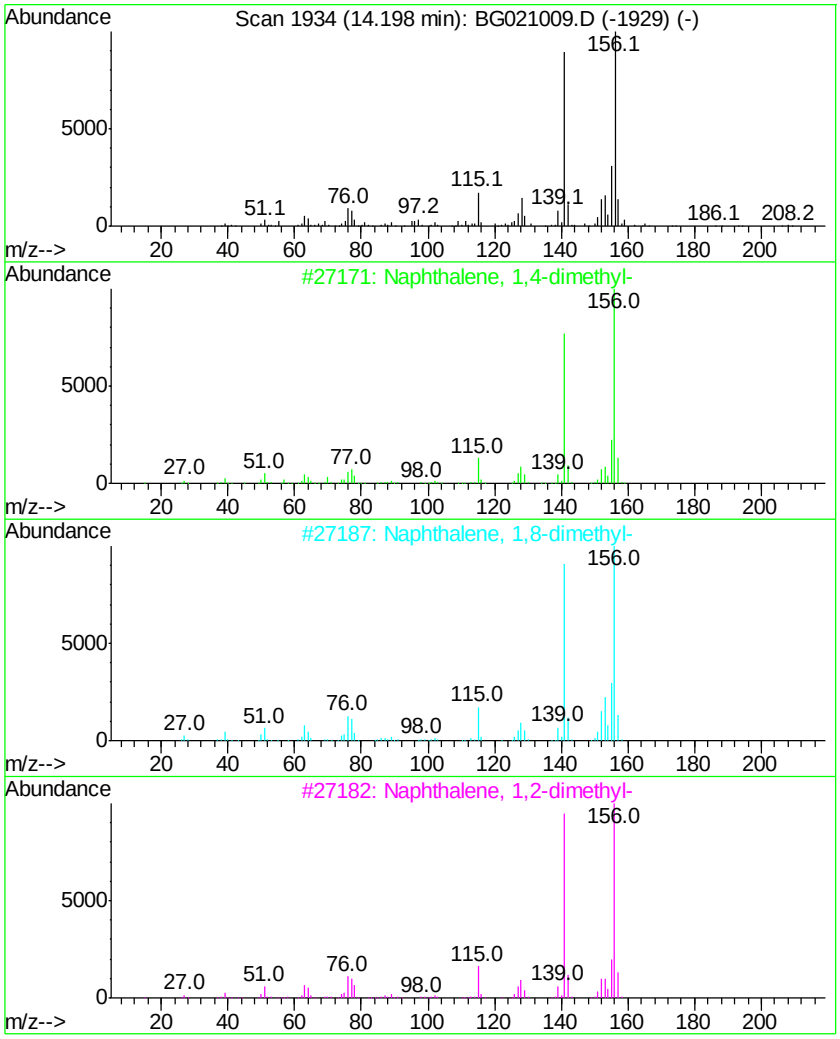

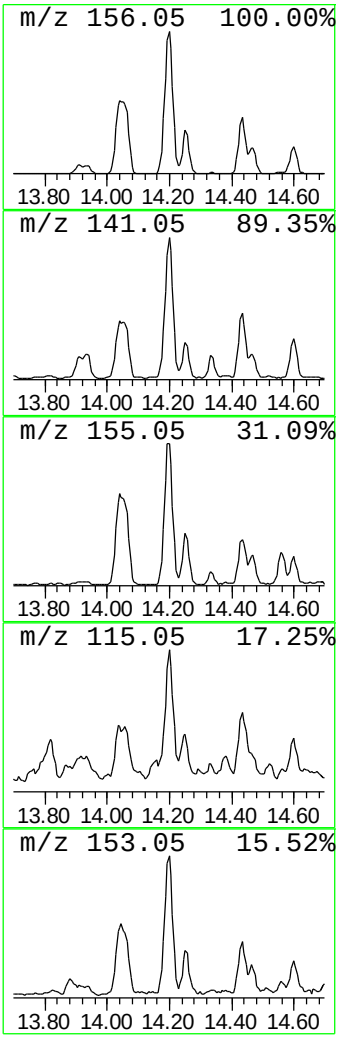

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Sample : H1453-14 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EGR-A-5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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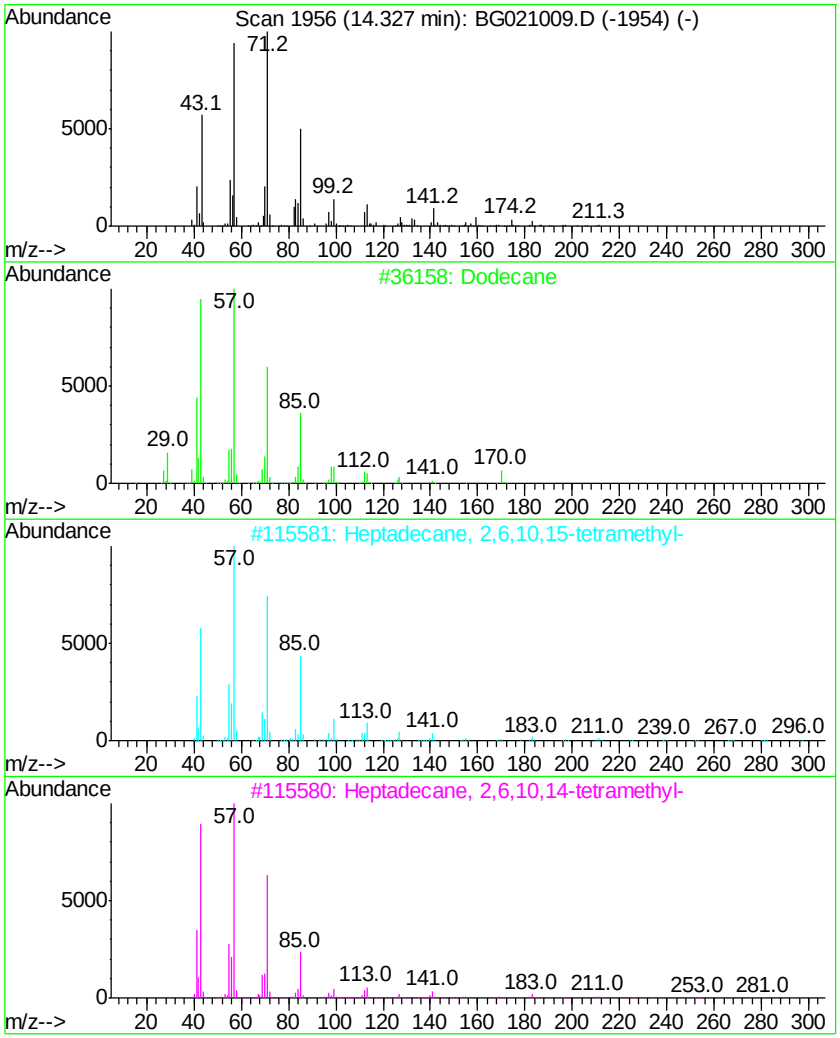
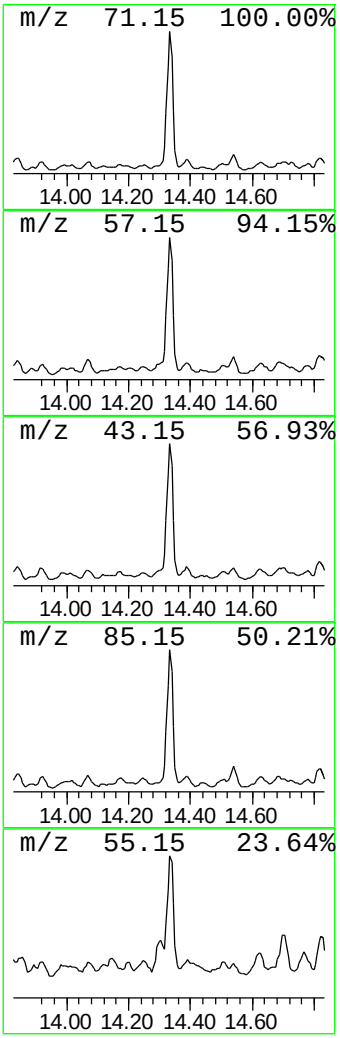
Peak Number 12 Dodecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	44.02 ng	840152	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	72
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
3	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	64
4	Tridecane, 5-propyl-	226	C16H34	055045-11-9	64
5	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	62





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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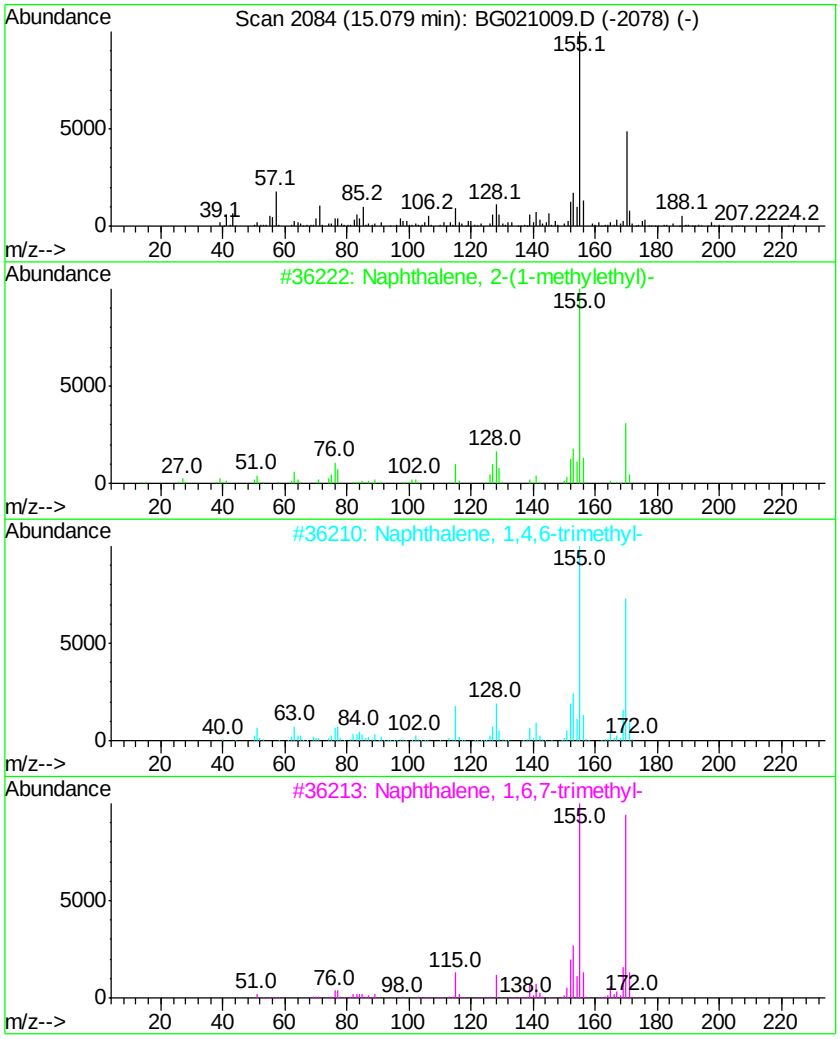
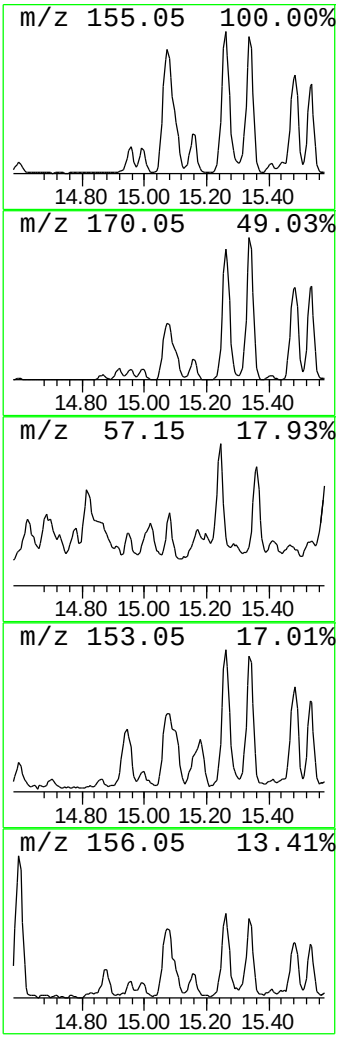
Peak Number 13 Naphthalene, 2-(1-methyleth... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	24.04 ng	458803	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	93
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	83
4	Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	64
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	60





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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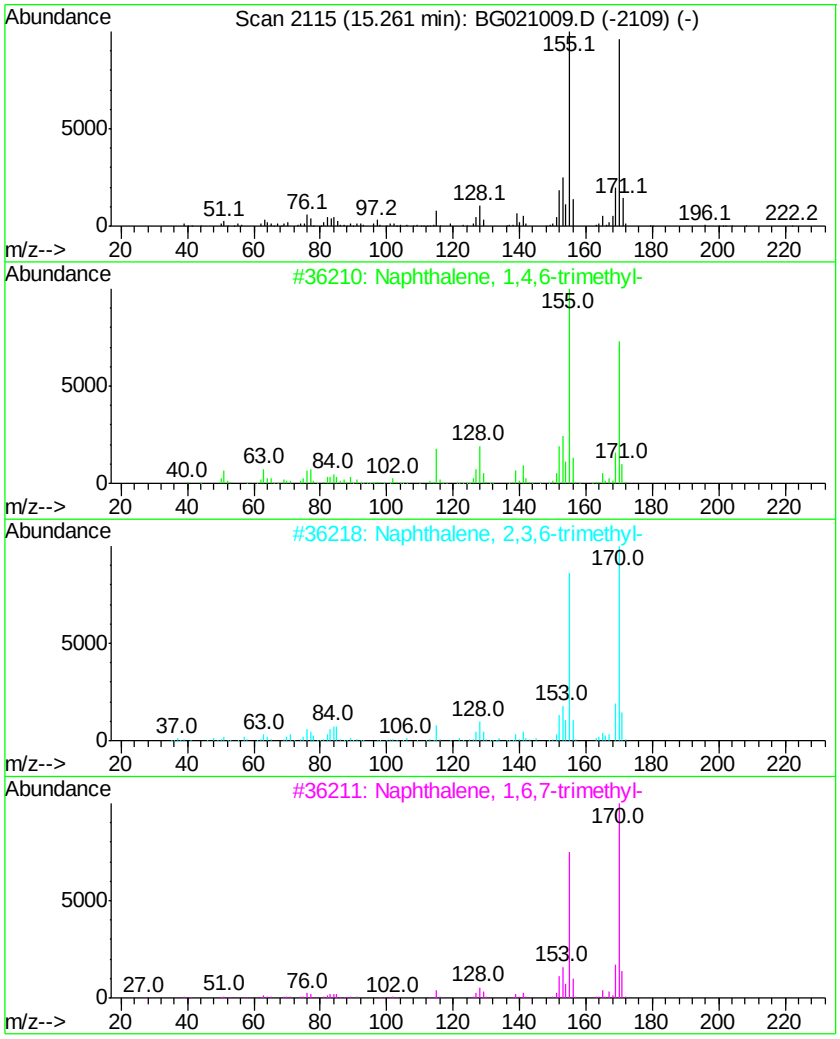
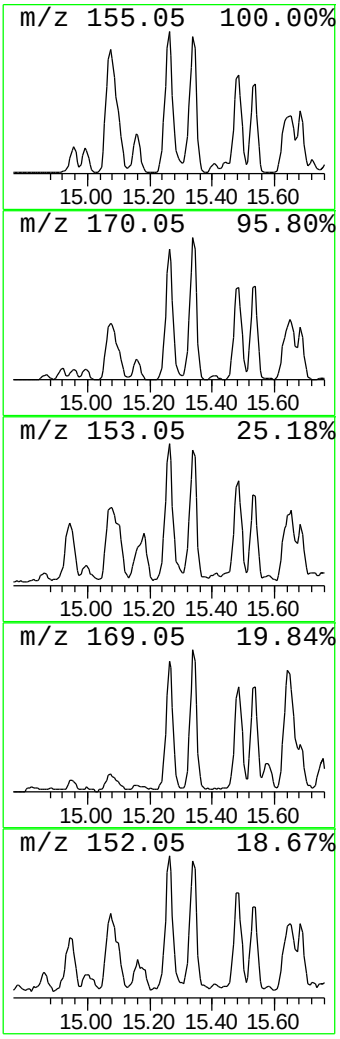
Peak Number 14 Naphthalene, 1,4,6-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	28.17 ng	537732	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	91





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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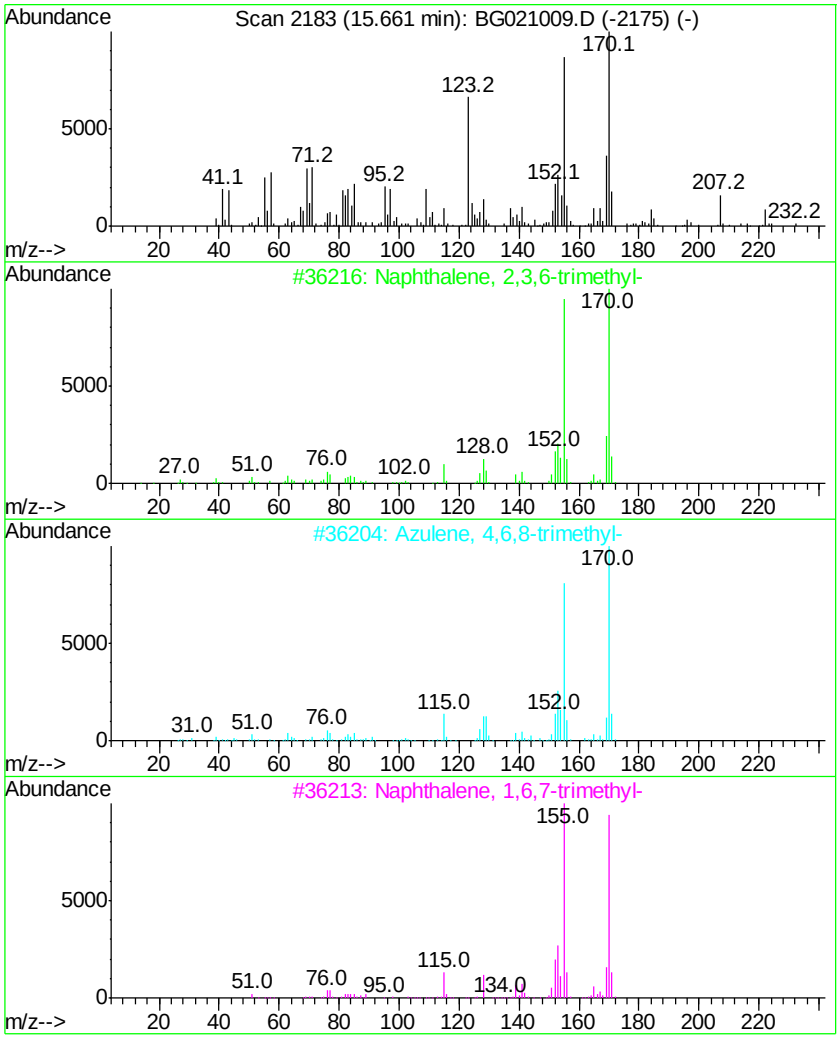
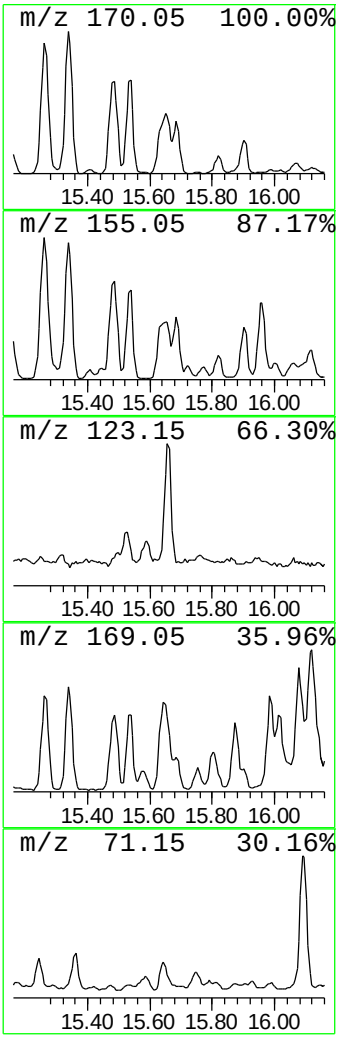
Peak Number 17 Naphthalene, 2,3,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	22.72 ng	433561	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	83
2	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	78
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	78
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	70
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	70





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

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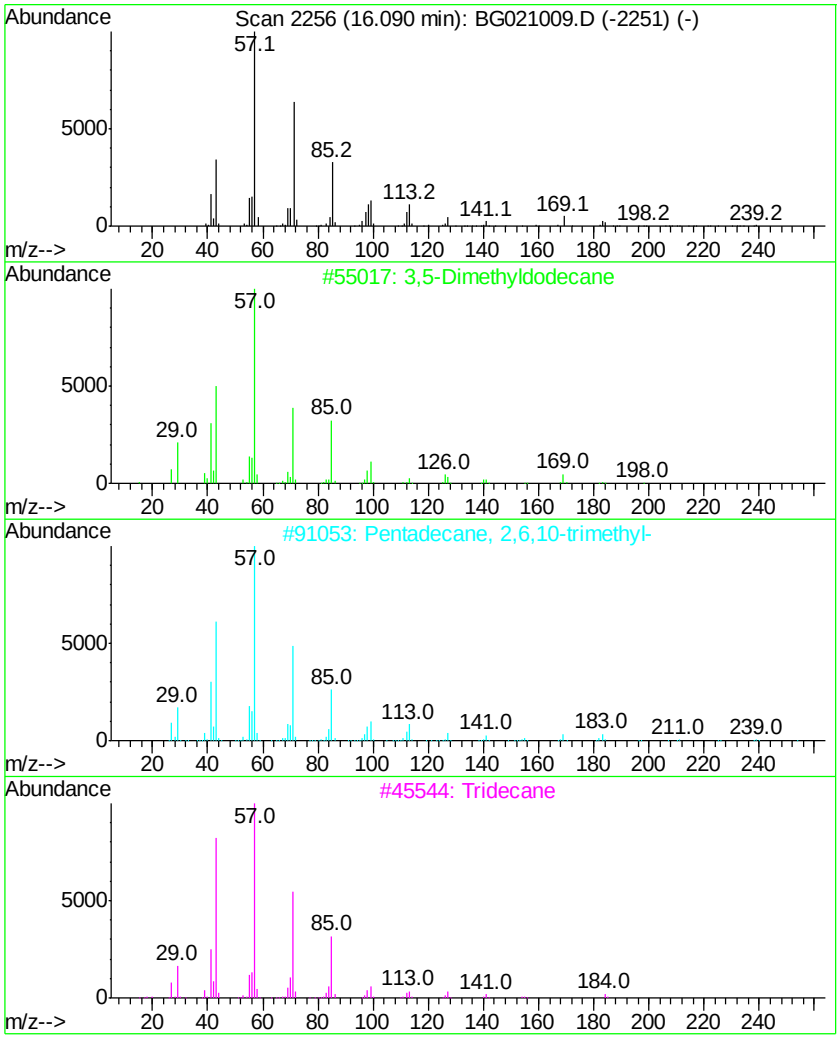
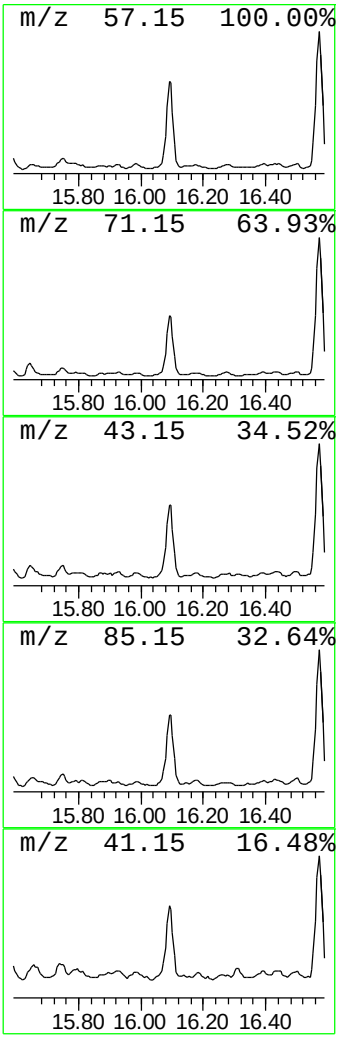
Peak Number 18 3,5-Dimethyldodecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	51.20 ng	977169	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyldodecane	198	C14H30	107770-99-0	90
2	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	83
3	Tridecane	184	C13H28	000629-50-5	81
4	Heptadecane	240	C17H36	000629-78-7	78
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	72





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ALS Vial : 36 Sample Multiplier: 1

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ClientSampleId : EGR-A-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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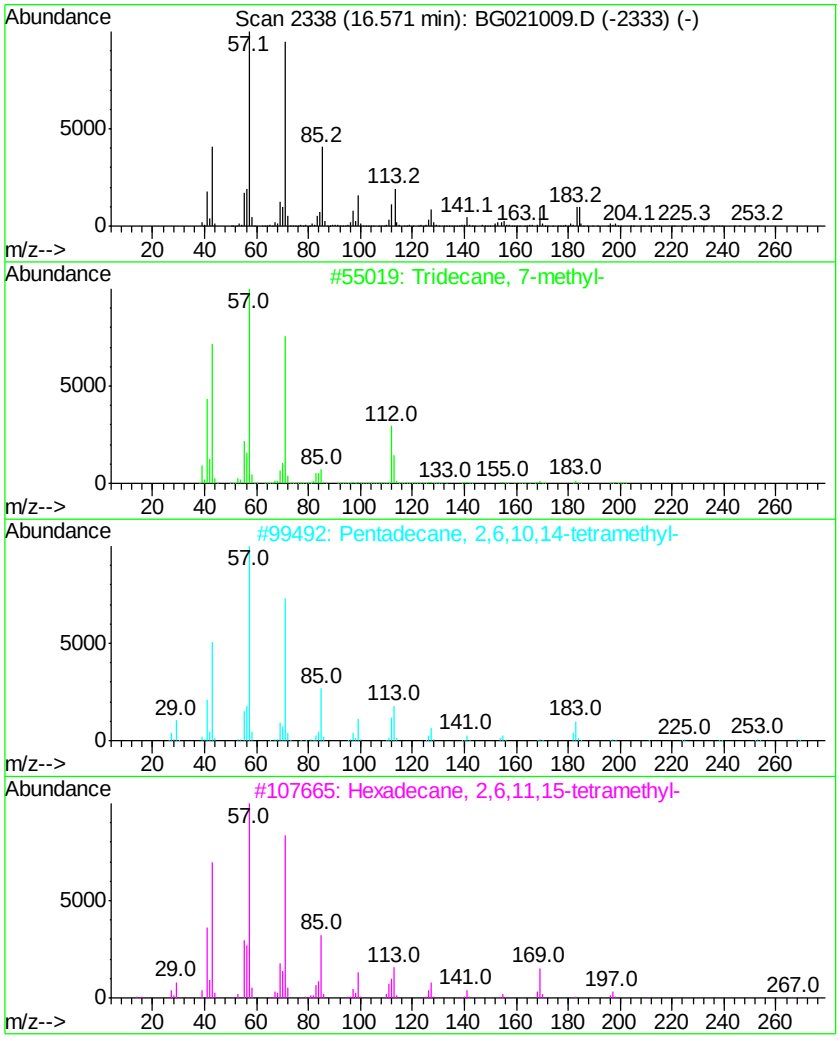
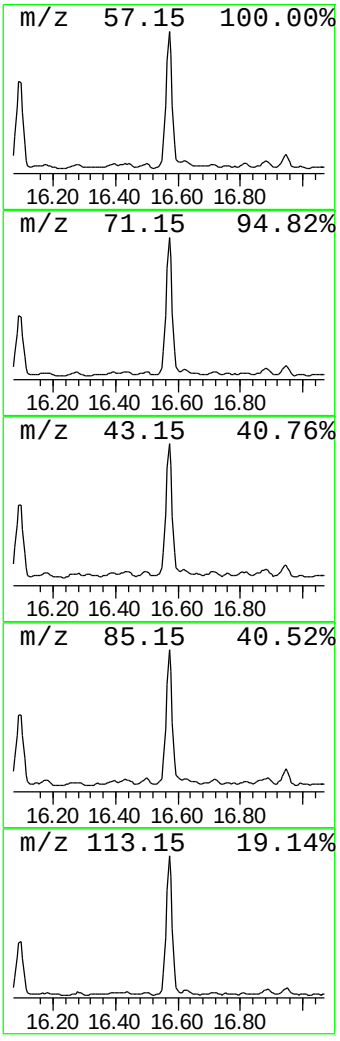
Peak Number 19 Tridecane, 7-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	90.88 ng	1348140	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-methyl-	198	C14H30	026730-14-3	78
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	74
3	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	72
4	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	64
5	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	59





Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021009.D
Acq On : 20 Feb 2016 15:14
Operator : SJ/UM
Sample : H1453-14 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EGR-A-5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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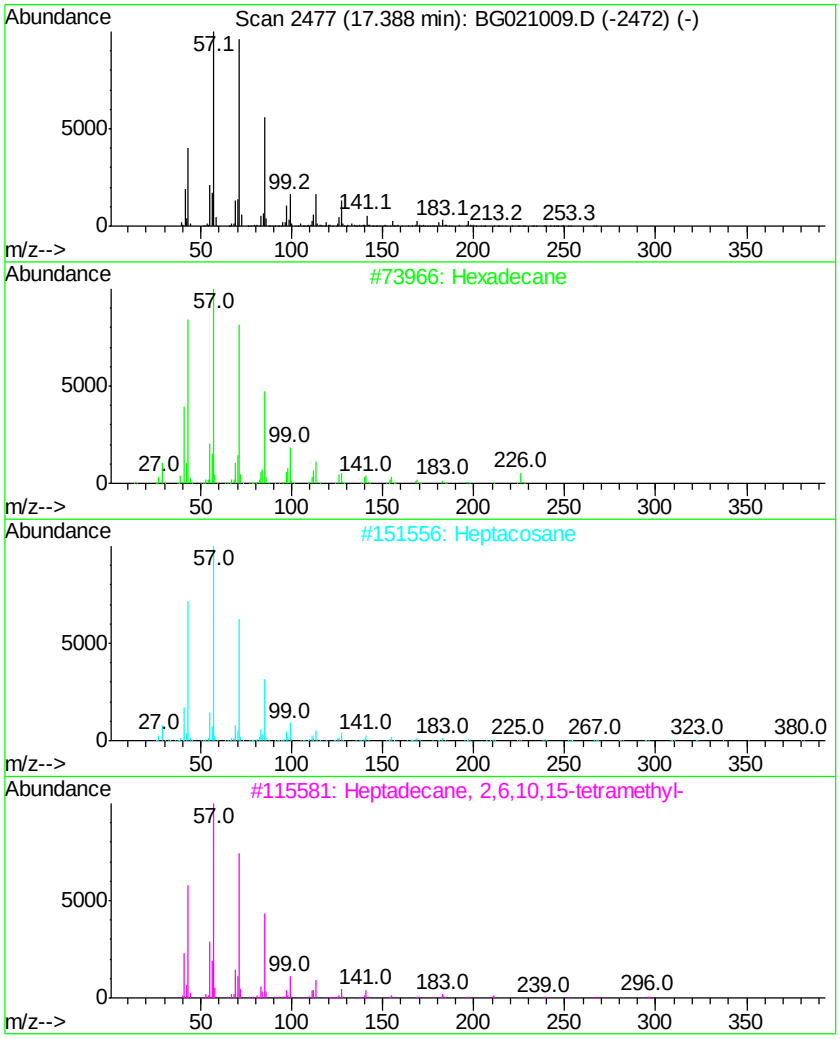
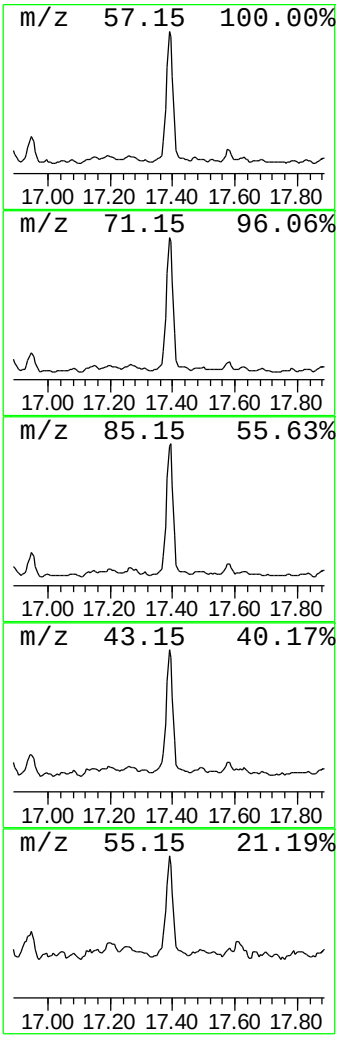
Peak Number 20 Hexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.39	48.89 ng	725222	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Heptacosane	380	C27H56	000593-49-7	80
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
4	Tetracosane	338	C24H50	000646-31-1	72
5	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021916\
Data File : BG021009.D
Acq On : 20 Feb 2016 15:14
Operator : SJ/UM
Sample : H1453-14 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EGR-A-5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
1-Ethyl-2,2,6-tri...	8.82	23.2	ng	127329	1	8.26	109797	20.0
Naphthalene, deca...	9.11	20.9	ng	114622	1	8.26	109797	20.0
Cyclohexane, 1-et...	9.37	23.3	ng	127902	1	8.26	109797	20.0
Dodecane, 6-methyl-	11.22	40.2	ng	459894	2	11.08	228788	20.0
Benzene, 1-ethyl-...	11.29	18.6	ng	213231	2	11.08	228788	20.0
Cyclohexane, 2-bu...	11.57	19.9	ng	227247	2	11.08	228788	20.0
Cyclohexane, (4-m...	11.77	32.9	ng	376599	2	11.08	228788	20.0
Octane, 2,6-dimet...	12.08	53.8	ng	614830	2	11.08	228788	20.0
unknown12.68	12.68	35.7	ng	408543	2	11.08	228788	20.0
Dodecane, 2,6,10-...	13.40	42.7	ng	815187	3	14.87	381712	20.0
Naphthalene, 1,4-...	14.20	25.7	ng	490972	3	14.87	381712	20.0
Dodecane	14.33	44.0	ng	840152	3	14.87	381712	20.0
Naphthalene, 2-(1...	15.08	24.0	ng	458803	3	14.87	381712	20.0
Naphthalene, 1,4,...	15.26	28.2	ng	537732	3	14.87	381712	20.0
Naphthalene, 2,3,...	15.66	22.7	ng	433561	3	14.87	381712	20.0
3,5-Dimethyldodecane	16.09	51.2	ng	977169	3	14.87	381712	20.0
Tridecane, 7-methyl-	16.57	90.9	ng	1348140	4	17.61	296675	20.0
Hexadecane	17.39	48.9	ng	725222	4	17.61	296675	20.0