

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
 Data File : BG021008.D
 Acq On : 20 Feb 2016 14:35
 Operator : SJ/UM
 Sample : H1453-10 20X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EGR-A-1

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 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	3.246	63	69	79	rVB	13060	26454	2.03%	0.140%
2	6.506	616	624	630	rBV4	19947	52595	4.03%	0.278%
3	6.617	637	643	652	rVB3	13296	27056	2.07%	0.143%
4	6.788	668	672	676	rVB	32174	43470	3.33%	0.230%
5	6.894	683	690	703	rVV4	37414	112772	8.64%	0.596%
6	7.064	713	719	723	rBV3	16313	29402	2.25%	0.155%
7	7.334	760	765	769	rBV2	14748	21879	1.68%	0.116%
8	7.393	769	775	781	rBV3	49520	105077	8.05%	0.555%
9	7.569	801	805	811	rVB5	20186	39291	3.01%	0.208%
10	7.634	811	816	820	rBV4	19580	36626	2.81%	0.194%
11	7.698	820	827	829	rBV4	17097	29145	2.23%	0.154%
12	7.734	829	833	838	rBV3	22358	35921	2.75%	0.190%
13	7.786	838	842	845	rBV2	15162	26901	2.06%	0.142%
14	7.974	870	874	879	rVB3	25032	39353	3.02%	0.208%
15	8.045	879	886	887	rBV2	15456	27816	2.13%	0.147%
16	8.074	888	891	896	rVB2	21404	29093	2.23%	0.154%
17	8.174	904	908	916	rVV6	23993	61053	4.68%	0.323%
18	8.262	918	923	928	rVV	70449	114284	8.76%	0.604%
19	8.321	928	933	939	rVB4	28461	64708	4.96%	0.342%
20	8.386	939	944	947	rBV4	16595	34314	2.63%	0.181%
21	8.433	947	952	958	rBV3	55950	92612	7.10%	0.490%
22	8.503	958	964	967	rBV2	40946	69193	5.30%	0.366%
23	8.544	967	971	975	rBV	46497	66041	5.06%	0.349%
24	8.750	1002	1006	1010	rBV3	35454	52285	4.01%	0.276%
25	8.820	1010	1018	1027	rVB7	41736	114699	8.79%	0.606%
26	8.944	1034	1039	1045	rVB5	23155	51354	3.94%	0.271%
27	9.038	1050	1055	1061	rVB8	20104	44858	3.44%	0.237%
28	9.102	1061	1066	1072	rBV2	79187	170550	13.07%	0.902%
29	9.367	1107	1111	1117	rVB2	92723	160118	12.27%	0.846%
30	9.461	1122	1127	1133	rVB3	81491	147788	11.33%	0.781%
31	9.525	1134	1138	1142	rVB3	22523	36165	2.77%	0.191%
32	9.608	1142	1152	1161	rBV8	61584	253178	19.41%	1.338%
33	9.725	1168	1172	1180	rVB5	42712	90014	6.90%	0.476%
34	9.813	1180	1187	1190	rBV6	26200	60900	4.67%	0.322%

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
 Data File : BG021008.D
 Acq On : 20 Feb 2016 14:35
 Operator : SJ/UM
 Sample : H1453-10 20X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EGR-A-1

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 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	9.895	1197	1201	1207	rVB	53095	84085	6.45%	0.444%
36	9.954	1208	1211	1214	rVV3	28846	45336	3.48%	0.240%
37	10.001	1214	1219	1228	rVB3	85631	199871	15.32%	1.057%
38	10.160	1234	1246	1248	rBV6	53119	173460	13.30%	0.917%
39	10.189	1248	1251	1256	rVV	76094	113954	8.73%	0.602%
40	10.260	1256	1263	1273	rVV8	119902	265653	20.36%	1.404%
41	10.477	1294	1300	1307	rBV4	70125	170947	13.10%	0.904%
42	10.653	1323	1330	1339	rBV9	39990	125643	9.63%	0.664%
43	10.782	1345	1352	1358	rBV2	58975	157703	12.09%	0.834%
44	10.853	1359	1364	1369	rBV4	47175	87056	6.67%	0.460%
45	10.964	1380	1383	1390	rBV5	31745	64373	4.93%	0.340%
46	11.088	1390	1404	1411	rBV3	159048	483717	37.08%	2.557%
47	11.211	1417	1425	1432	rVB3	80191	243603	18.67%	1.288%
48	11.288	1433	1438	1446	rBV6	75897	162547	12.46%	0.859%
49	11.446	1458	1465	1470	rBV7	48484	104536	8.01%	0.553%
50	11.505	1470	1475	1478	rBV3	53410	95527	7.32%	0.505%
51	11.564	1479	1485	1490	rVB3	80428	198777	15.24%	1.051%
52	11.617	1490	1494	1496	rBV4	20432	29109	2.23%	0.154%
53	11.769	1516	1520	1527	rVB5	134451	252131	19.33%	1.333%
54	11.904	1538	1543	1550	rBV7	36867	73639	5.64%	0.389%
55	11.987	1551	1557	1563	rVB7	80161	180860	13.86%	0.956%
56	12.075	1566	1572	1576	rBV	357070	542152	41.56%	2.866%
57	12.116	1576	1579	1584	rVV3	91872	165736	12.70%	0.876%
58	12.169	1584	1588	1594	rVB5	90195	166605	12.77%	0.881%
59	12.263	1599	1604	1609	rVV5	71489	122143	9.36%	0.646%
60	12.345	1616	1618	1622	rVB4	40459	45260	3.47%	0.239%
61	12.868	1702	1707	1709	rBV3	53411	100328	7.69%	0.530%
62	12.938	1715	1719	1721	rBV3	75167	114468	8.77%	0.605%
63	13.156	1751	1756	1762	rVB	119421	209592	16.07%	1.108%
64	13.226	1763	1768	1772	rBV5	49744	113151	8.67%	0.598%
65	13.273	1773	1776	1780	rVB5	44715	58391	4.48%	0.309%
66	13.402	1792	1798	1806	rBV	493009	791706	60.68%	4.185%
67	13.667	1839	1843	1846	rBV3	124908	218966	16.78%	1.157%
68	14.037	1902	1906	1908	rBV2	118285	176067	13.50%	0.931%
69	14.195	1929	1933	1938	rVB	230169	369195	28.30%	1.952%
70	14.301	1946	1951	1953	rBV	314270	458420	35.14%	2.423%
71	14.336	1953	1957	1961	rVV2	619023	892585	68.42%	4.718%

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
 Data File : BG021008.D
 Acq On : 20 Feb 2016 14:35
 Operator : SJ/UM
 Sample : H1453-10 20X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EGR-A-1

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	14.383	1962	1965	1969	rVV5	104830	166668	12.78%	0.881%
73	14.430	1969	1973	1983	rVB6	125008	281976	21.61%	1.491%
74	14.618	1998	2005	2011	rBV6	127675	339228	26.00%	1.793%
75	14.701	2015	2019	2025	rVB3	229779	379421	29.08%	2.006%
76	14.824	2035	2040	2041	rBV3	107817	161906	12.41%	0.856%
77	14.871	2045	2048	2053	rVB2	233876	386724	29.64%	2.044%
78	14.947	2058	2061	2065	rVV3	74390	98274	7.53%	0.519%
79	15.077	2078	2083	2092	rVB2	168978	362582	27.79%	1.917%
80	15.153	2093	2096	2099	rBV3	67426	104709	8.03%	0.553%
81	15.259	2108	2114	2122	rVB2	186223	442335	33.90%	2.338%
82	15.341	2124	2128	2132	rBV2	132120	254070	19.47%	1.343%
83	15.482	2147	2152	2156	rBV2	201934	358767	27.50%	1.896%
84	15.529	2157	2160	2164	rVB	116346	176925	13.56%	0.935%
85	15.652	2175	2181	2190	rBV7	161695	441050	33.81%	2.331%
86	15.740	2193	2196	2201	rBV4	65200	110240	8.45%	0.583%
87	16.093	2250	2256	2266	rVB	464216	872408	66.87%	4.612%
88	16.351	2297	2300	2303	rBV2	58891	76567	5.87%	0.405%
89	16.569	2332	2337	2343	rBV	870137	1304632	100.00%	6.896%
90	17.391	2472	2477	2481	rBV	411769	602120	46.15%	3.183%
91	17.608	2510	2514	2519	rVB	231778	333658	25.57%	1.764%
92	17.996	2576	2580	2584	rBV	87110	136639	10.47%	0.722%
93	18.707	2699	2701	2708	rVB5	78872	109771	8.41%	0.580%
94	19.206	2782	2786	2791	rVB4	82900	128092	9.82%	0.677%
95	19.377	2812	2815	2819	rVB	83073	109096	8.36%	0.577%
96	20.117	2938	2941	2944	rBV2	45562	63687	4.88%	0.337%
97	20.187	2950	2953	2957	rVB2	70417	81421	6.24%	0.430%
98	21.750	3216	3219	3225	rVB	48178	71442	5.48%	0.378%
99	21.885	3237	3242	3248	rVB	213419	356281	27.31%	1.883%
100	25.257	3809	3816	3829	rVB	126985	383131	29.37%	2.025%

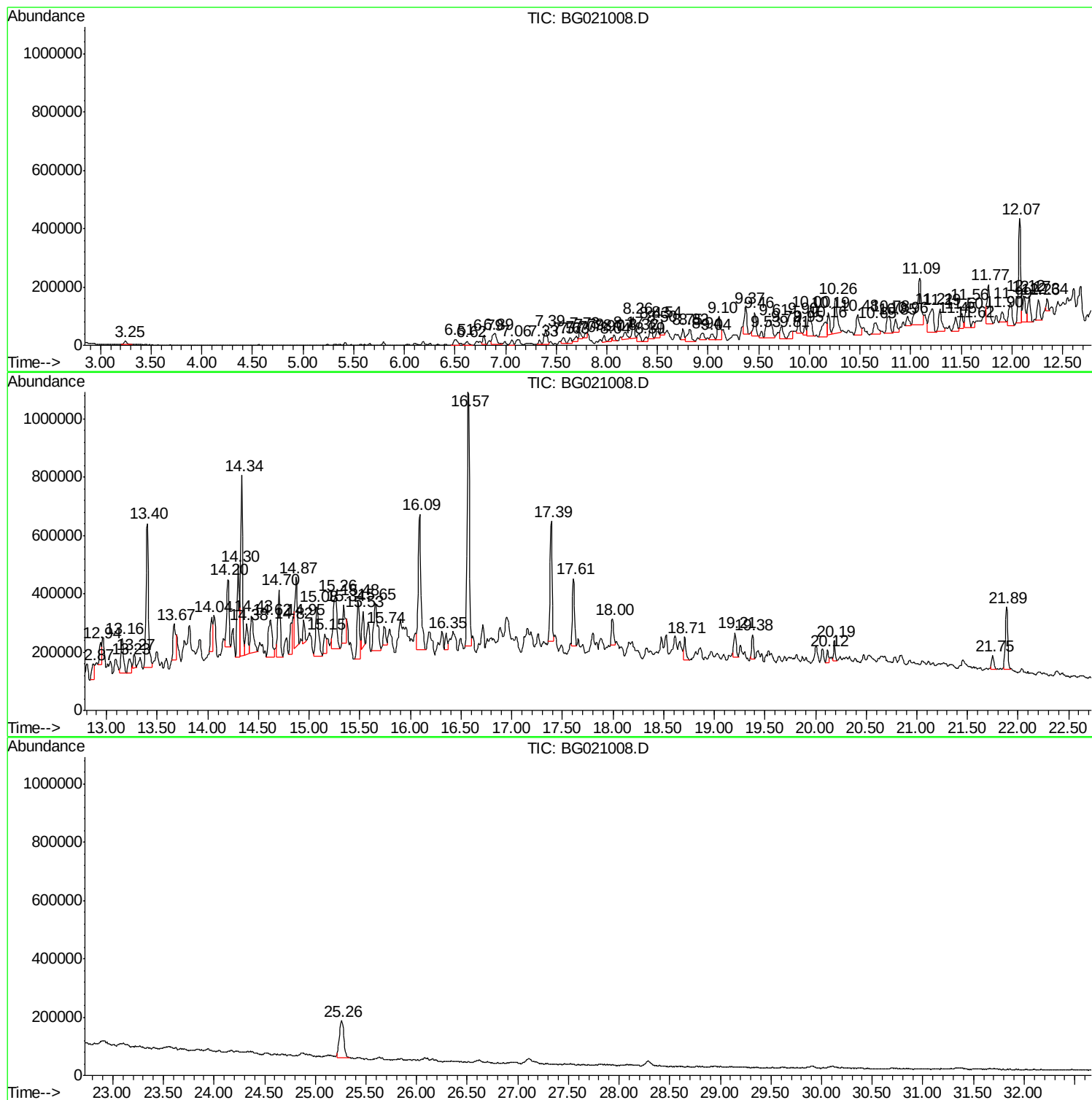
Sum of corrected areas: 18918077

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021008.D
Acq On : 20 Feb 2016 14:35
Operator : SJ/UM
Sample : H1453-10 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EGR-A-1

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 : BG021008.D
Acq On : 20 Feb 2016 14:35
Operator : SJ/UM
Sample : H1453-10 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EGR-A-1

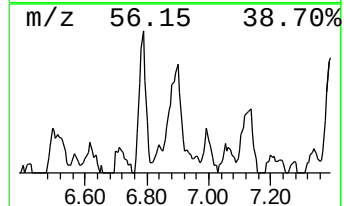
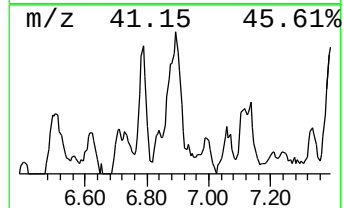
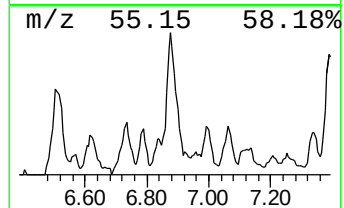
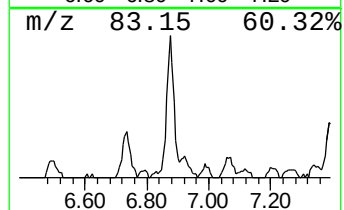
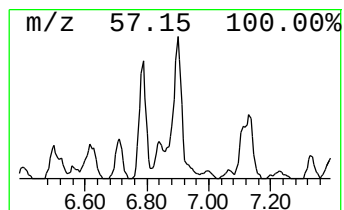
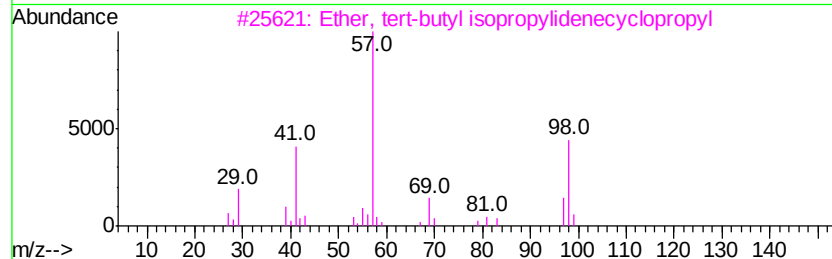
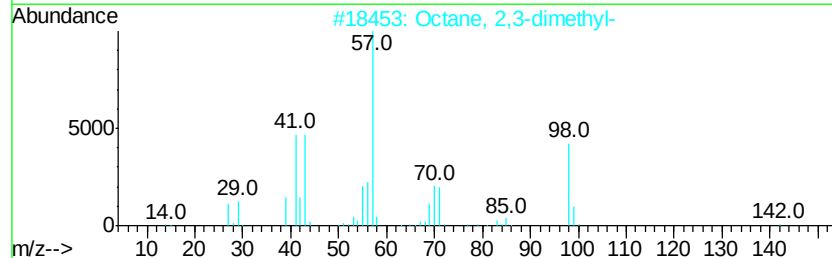
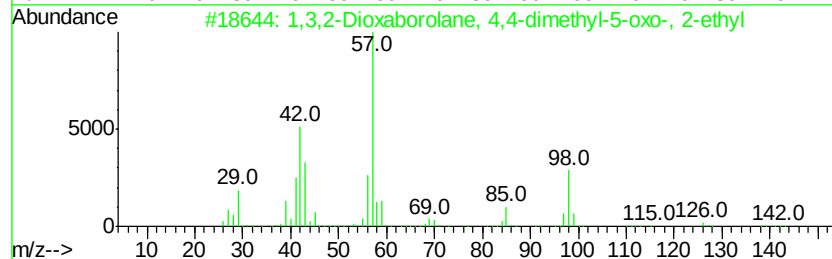
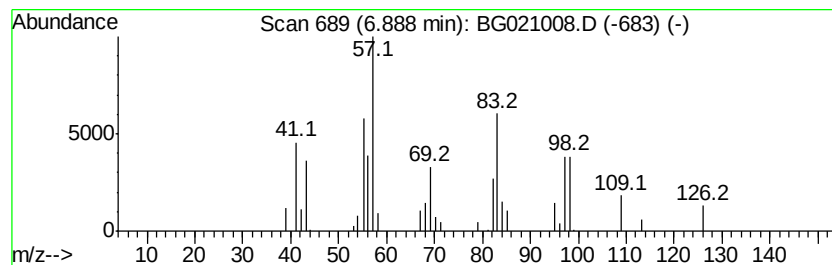
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.89 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.89	19.74 ng	112772	1,4-Dichlorobenzene-d4	8.26

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3,2-Dioxaborolane, 4,4-dimethy...	142	C6H11B03	1000063-89-2	42
2			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	38
3			Ether, tert-butyl isopropylidene...	154	C10H18O	024524-56-9	37
4			Oxirane, [(dodecyloxy)methyl]-	242	C15H30O2	002461-18-9	35
5			Hexane, 1-(hexyloxy)-4-methyl-	200	C13H28O	074421-20-8	25



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021008.D
Acq On : 20 Feb 2016 14:35
Operator : SJ/UM
Sample : H1453-10 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EGR-A-1

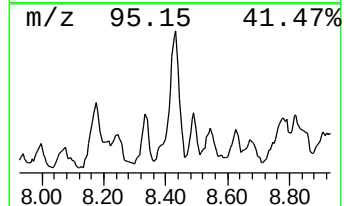
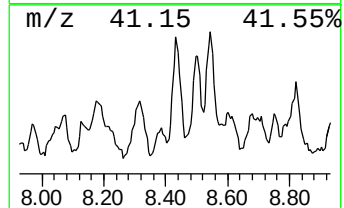
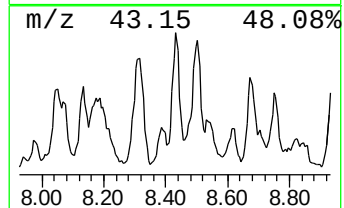
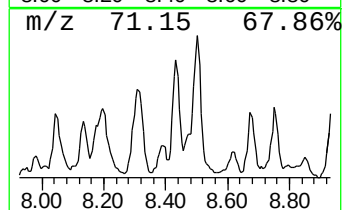
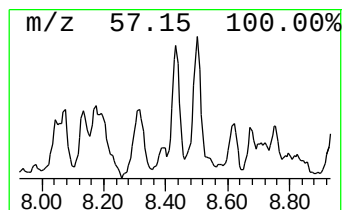
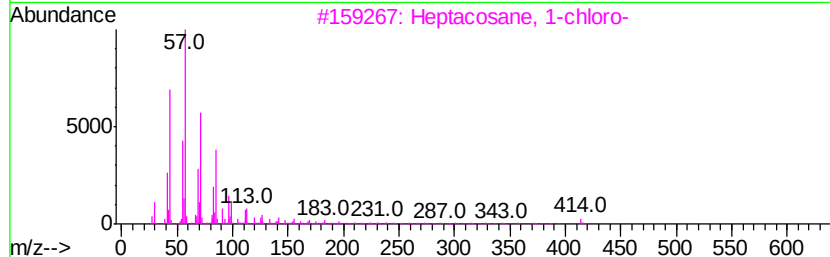
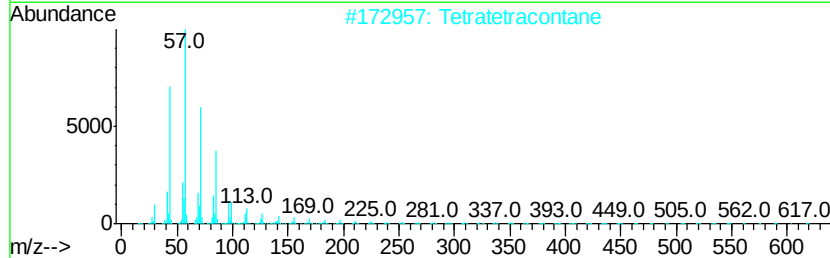
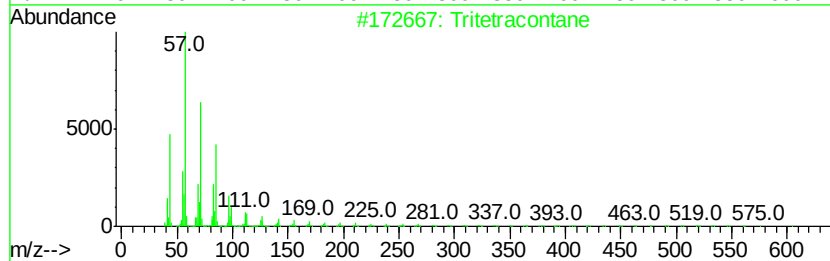
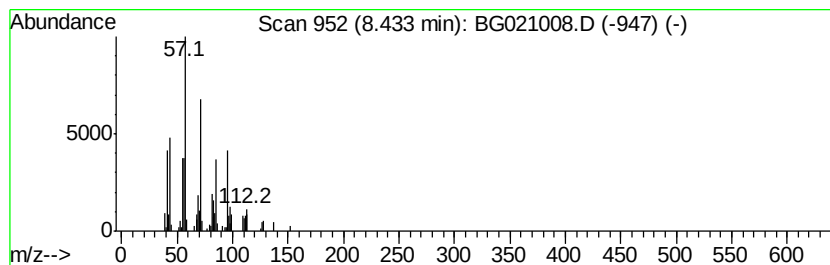
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Tritetracontane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	16.21 ng	92612	1,4-Dichlorobenzene-d4	8.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tritetracontane	605	C43H88	007098-21-7	52
2		Tetratetracontane	619	C44H90	007098-22-8	49
3		Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	49
4		Pentadecane	212	C15H32	000629-62-9	47
5		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	47



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021008.D
Acq On : 20 Feb 2016 14:35
Operator : SJ/UM
Sample : H1453-10 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

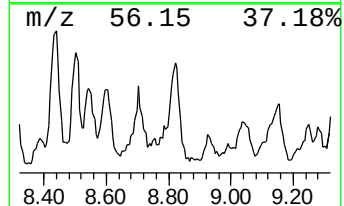
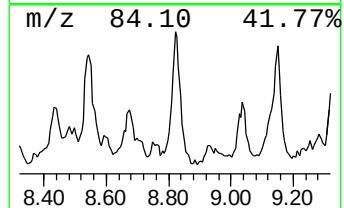
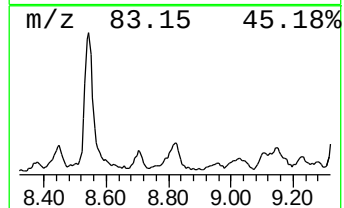
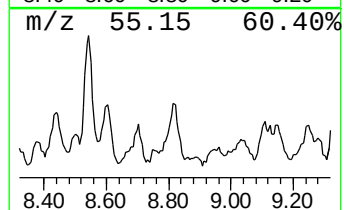
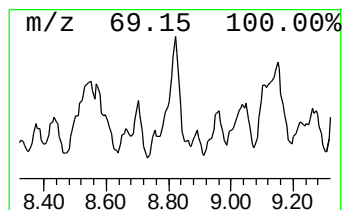
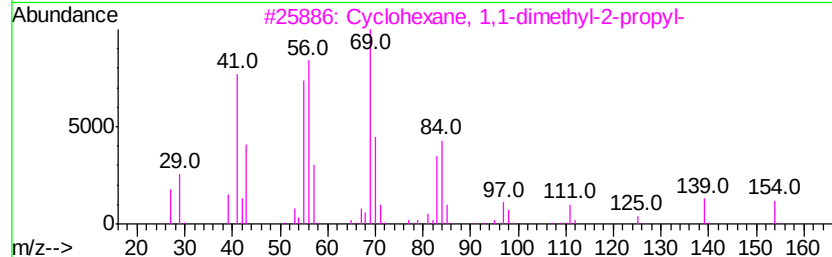
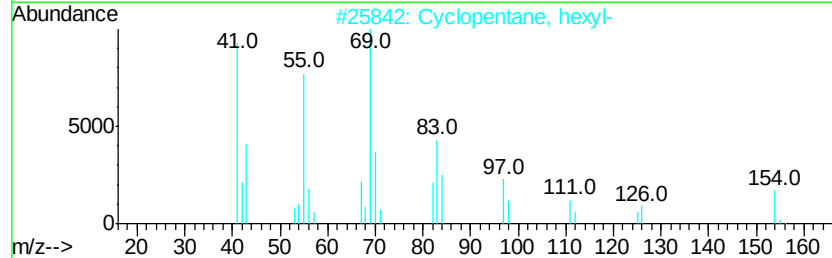
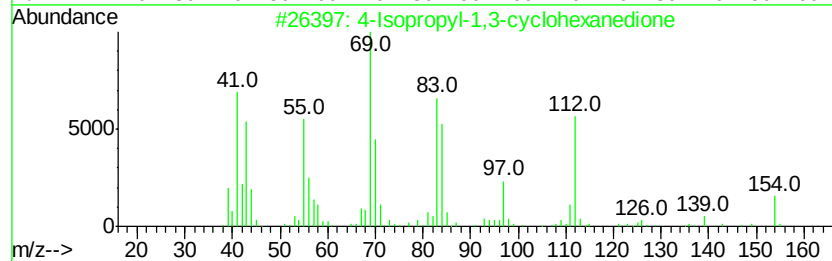
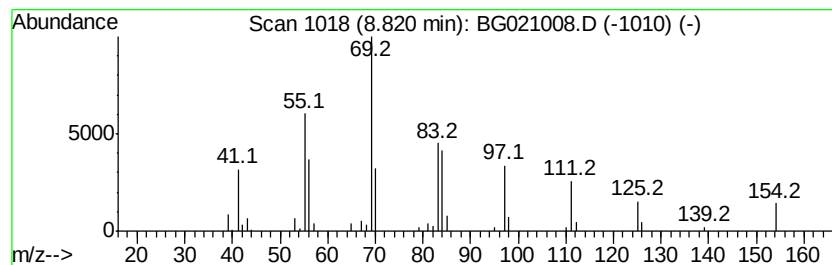
Instrument :
BNA_G
ClientSampled :
EGR-A-1

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 3 4-Isopropyl-1,3-cyclohexane... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.82	20.07 ng	114699	1,4-Dichlorobenzene-d4	8.26	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Isopropyl-1,3-cyclohexanedione	154	C9H14O2	062831-62-3	72
2	Cyclopentane, hexyl-	154	C11H22	004457-00-5	53
3	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	52
4	2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	50
5	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	43



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021008.D
Acq On : 20 Feb 2016 14:35
Operator : SJ/UM
Sample : H1453-10 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EGR-A-1

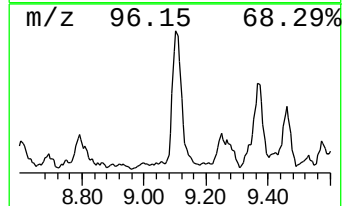
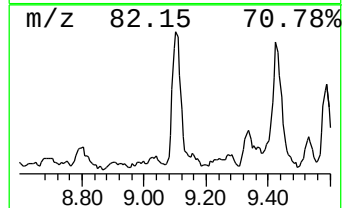
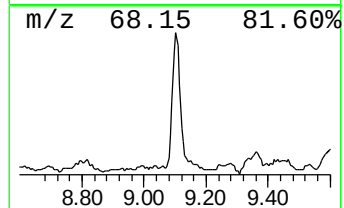
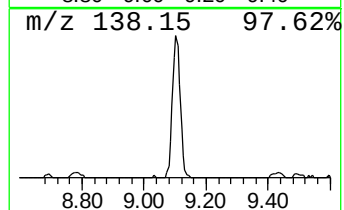
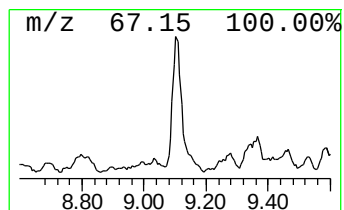
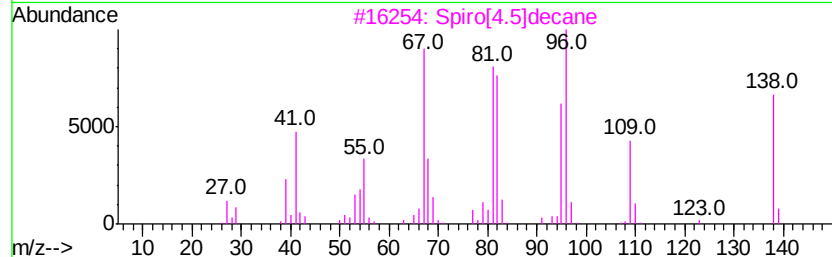
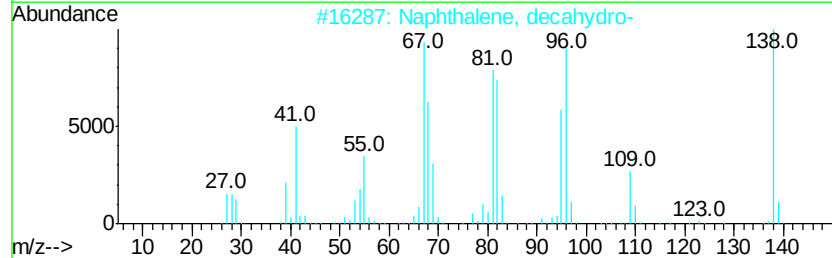
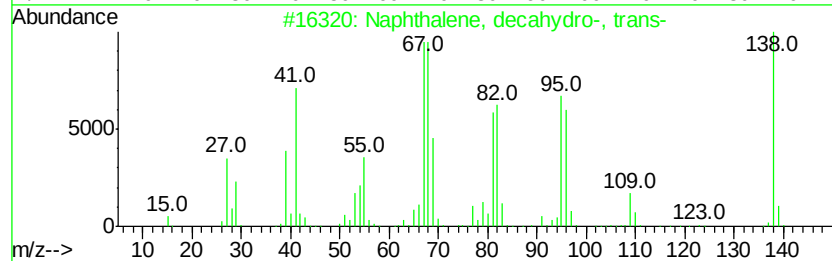
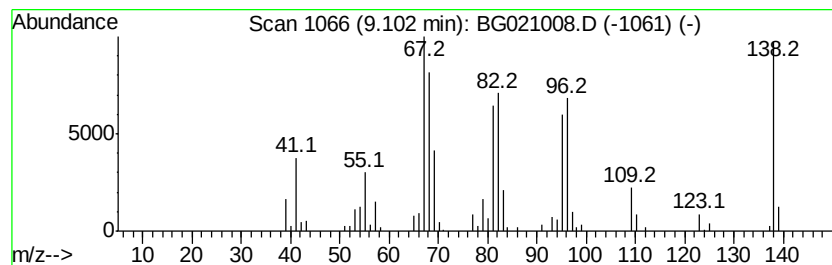
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, decahydro-, tr... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	29.85 ng	170550	1,4-Dichlorobenzene-d4	8.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	97
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	97
3		Spiro[4.5]decane	138	C10H18	000176-63-6	89
4		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	76
5		Bicyclo[5.3.0]decane	138	C10H18	005661-80-3	64



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021008.D
Acq On : 20 Feb 2016 14:35
Operator : SJ/UM
Sample : H1453-10 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EGR-A-1

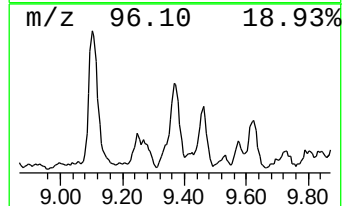
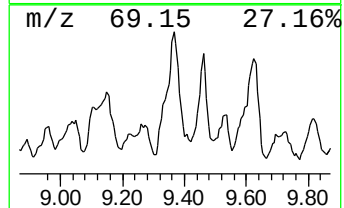
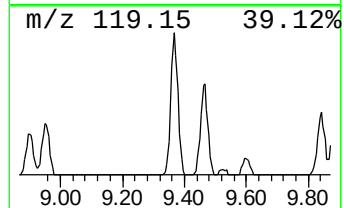
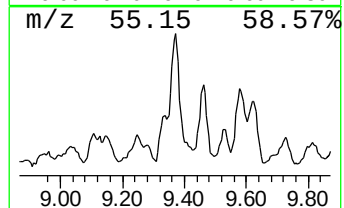
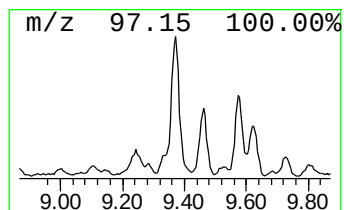
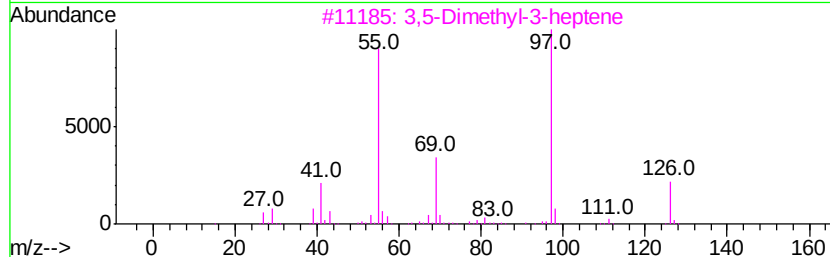
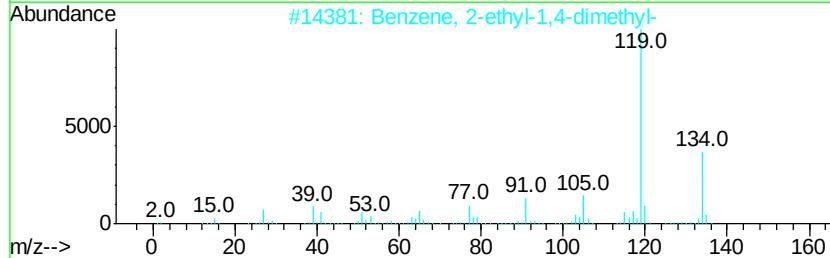
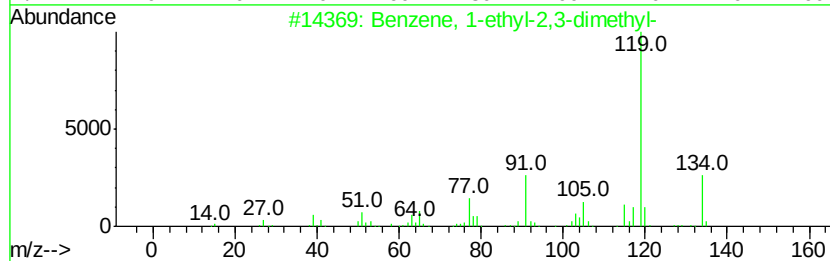
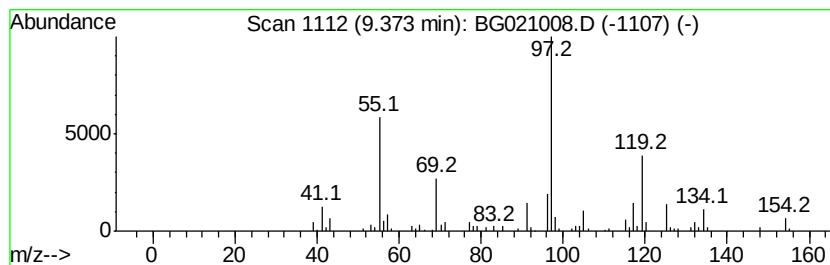
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown9.37 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	28.02 ng	160118	1,4-Dichlorobenzene-d4	8.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	38
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	35
3		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	30
4		Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	30
5		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	20



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021008.D
Acq On : 20 Feb 2016 14:35
Operator : SJ/UM
Sample : H1453-10 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EGR-A-1

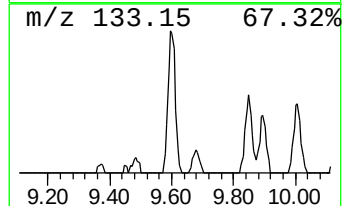
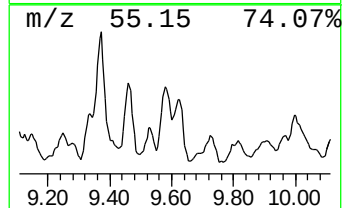
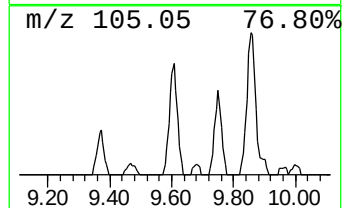
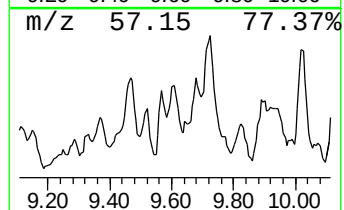
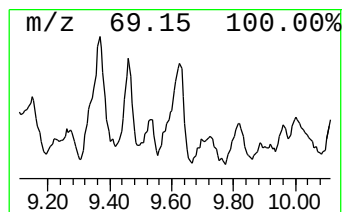
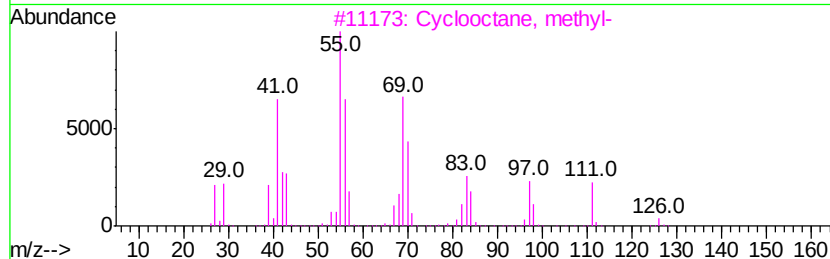
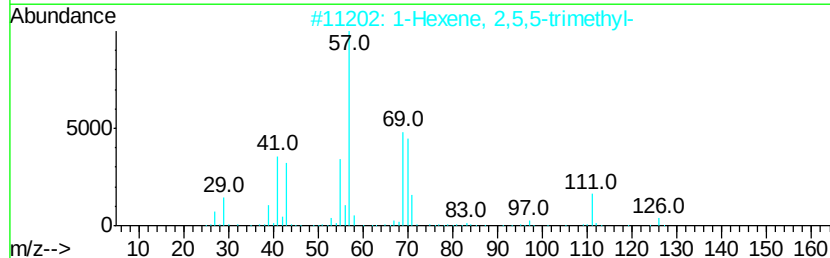
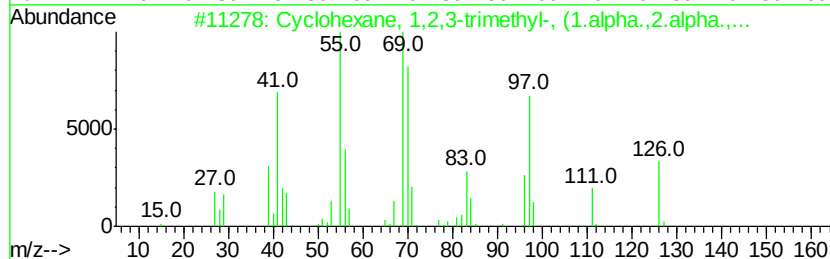
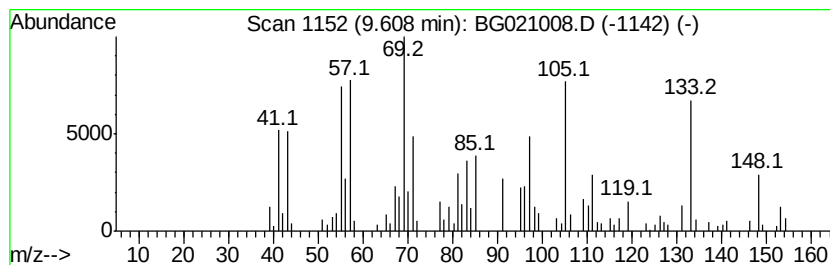
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown9.61 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	44.31 ng	253178	1,4-Dichlorobenzene-d4	8.26

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001839-88-9	41
2		1-Hexene, 2,5,5-trimethyl-	126	C9H18	062185-56-2	25
3		Cyclooctane, methyl-	126	C9H18	001502-38-1	25
4		Cyclobutane, 1-butyl-2-ethyl-	140	C10H20	1000150-67-3	22
5		Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	14



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021008.D
Acq On : 20 Feb 2016 14:35
Operator : SJ/UM
Sample : H1453-10 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EGR-A-1

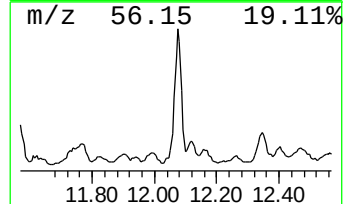
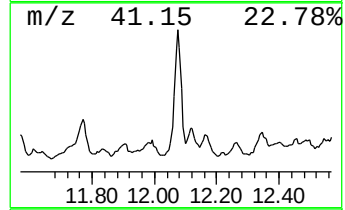
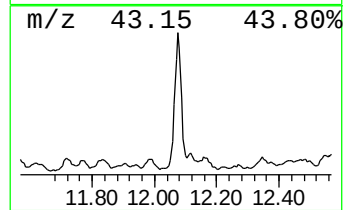
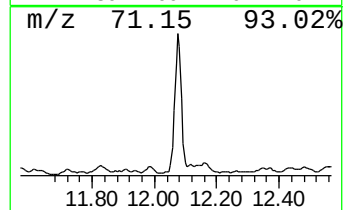
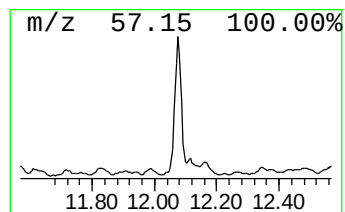
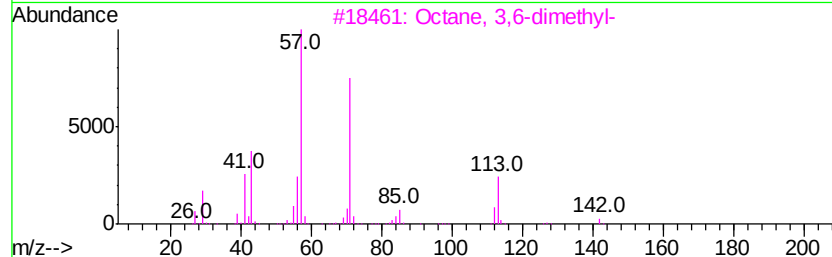
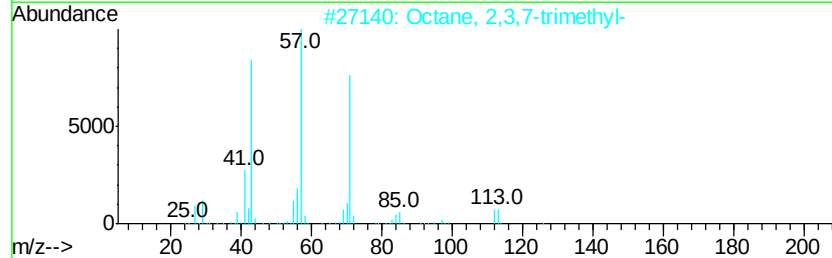
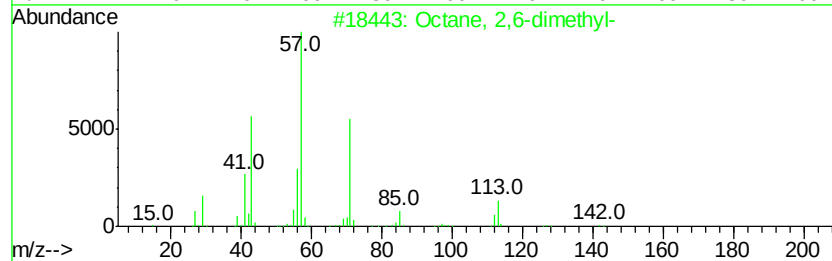
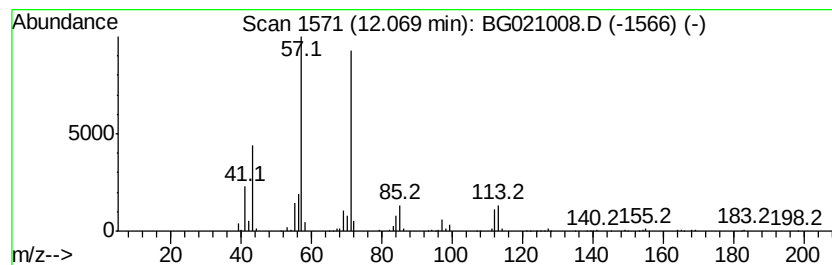
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Octane, 2,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	22.42 ng	542152	Naphthalene-d8	11.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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		Octadecane	254	C18H38	000593-45-3	78
5		Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	78



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021008.D
Acq On : 20 Feb 2016 14:35
Operator : SJ/UM
Sample : H1453-10 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

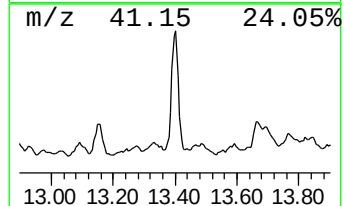
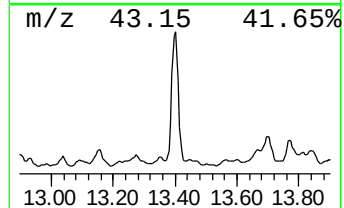
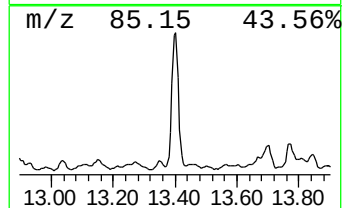
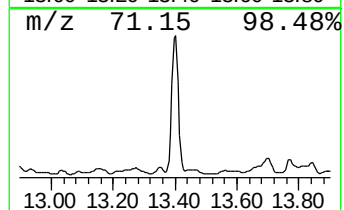
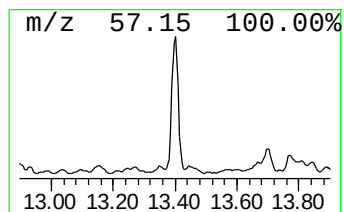
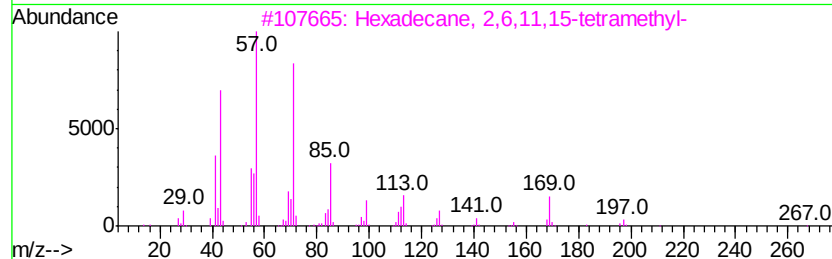
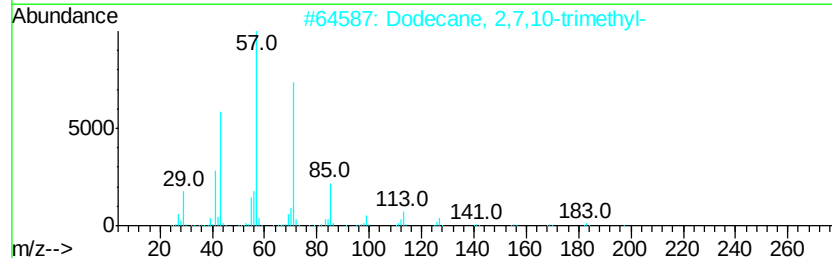
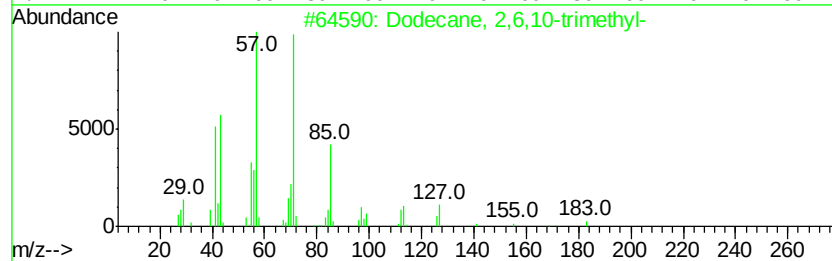
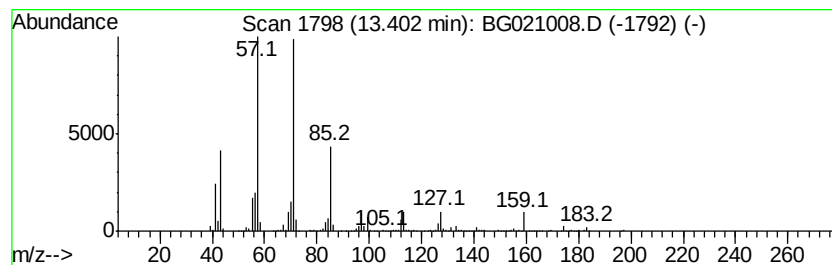
Instrument :
BNA_G
ClientSampleId :
EGR-A-1

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 8 Dodecane, 2,6,10-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.40	40.94 ng	791706	Acenaphthene-d10		14.88
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	83
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
3	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	59
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	58
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	58



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021008.D
Acq On : 20 Feb 2016 14:35
Operator : SJ/UM
Sample : H1453-10 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EGR-A-1

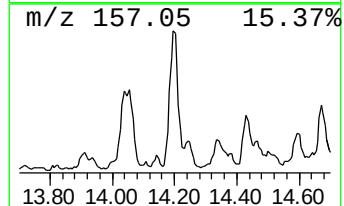
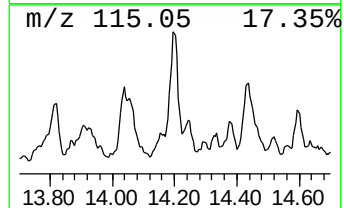
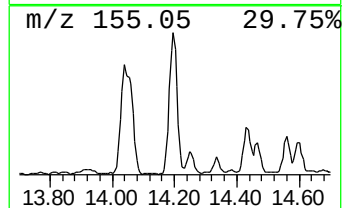
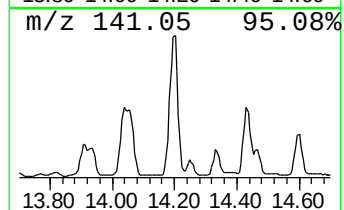
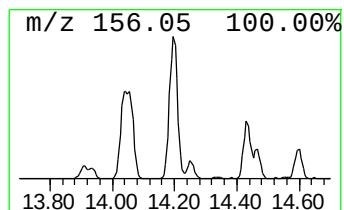
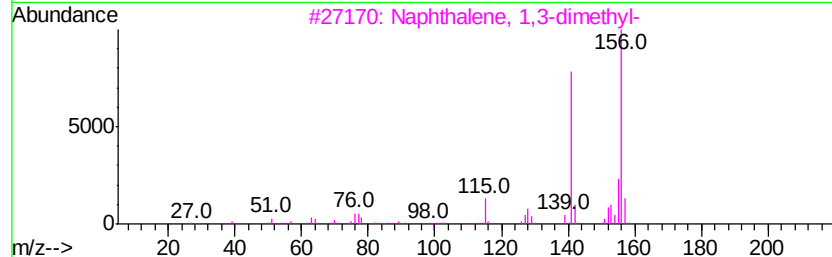
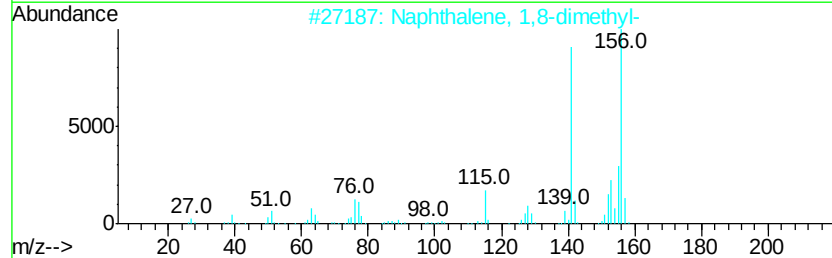
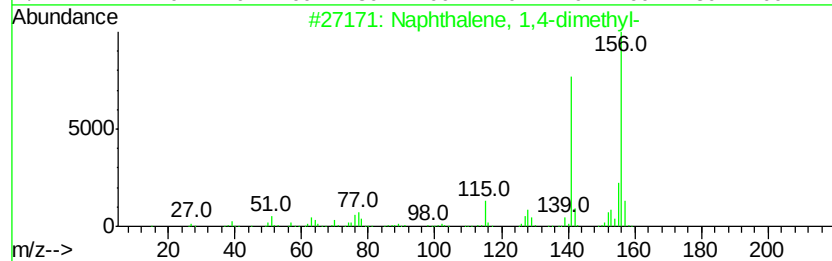
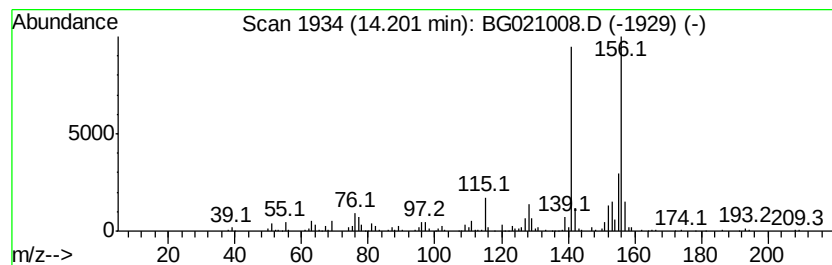
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 1,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	19.09 ng	369195	Acenaphthene-d10	14.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2		Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021008.D
Acq On : 20 Feb 2016 14:35
Operator : SJ/UM
Sample : H1453-10 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EGR-A-1

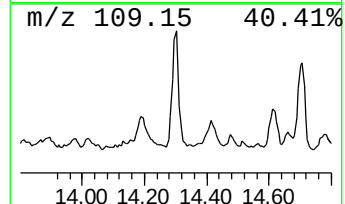
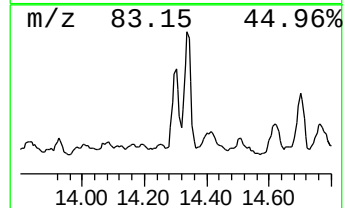
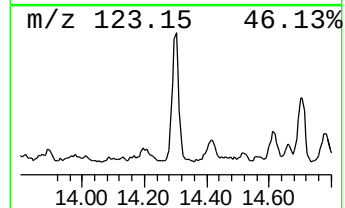
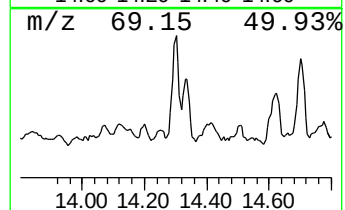
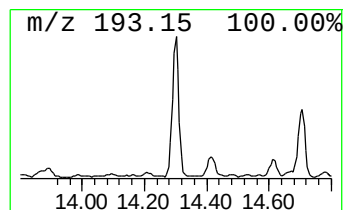
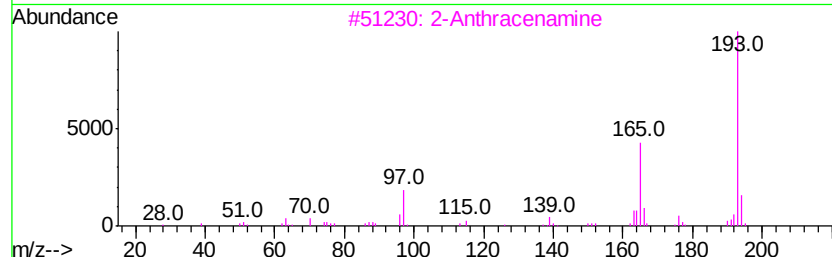
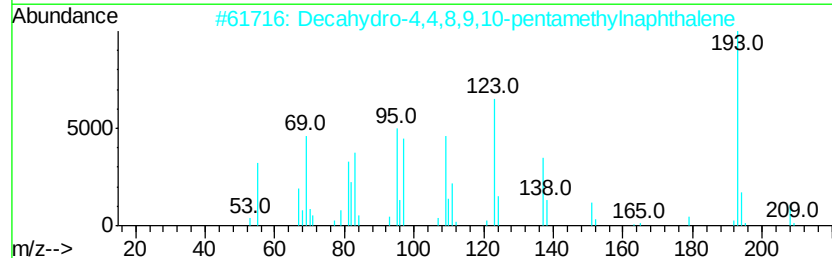
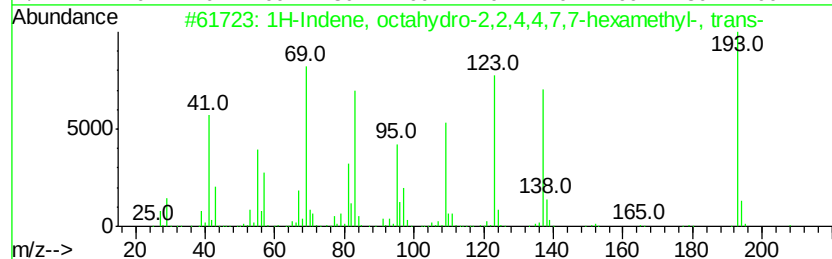
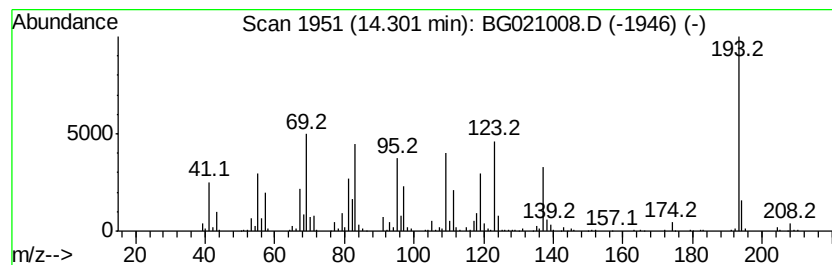
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown14.30 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	23.71 ng	458420	Acenaphthene-d10	14.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	42
2		Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	25
3		2-Anthracenamine	193	C14H11N	000613-13-8	22
4		Pyrazole, 5-methyl-3-(5-nitro-2-...	193	C8H7N3O3	016239-90-0	22
5		[1,1'-Biphenyl]-4-acetonitrile	193	C14H11N	031603-77-7	18



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021008.D
Acq On : 20 Feb 2016 14:35
Operator : SJ/UM
Sample : H1453-10 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

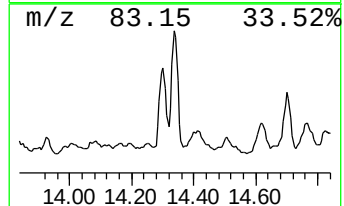
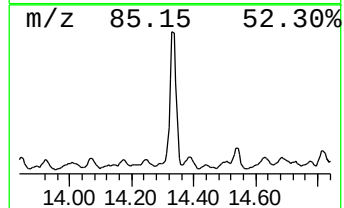
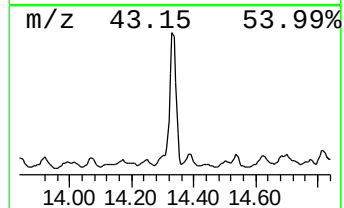
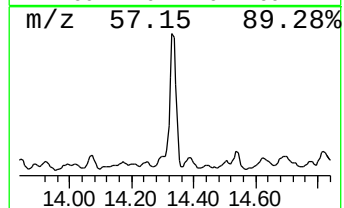
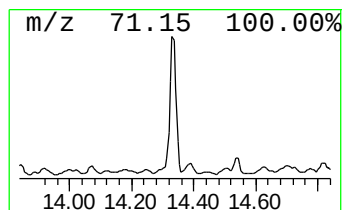
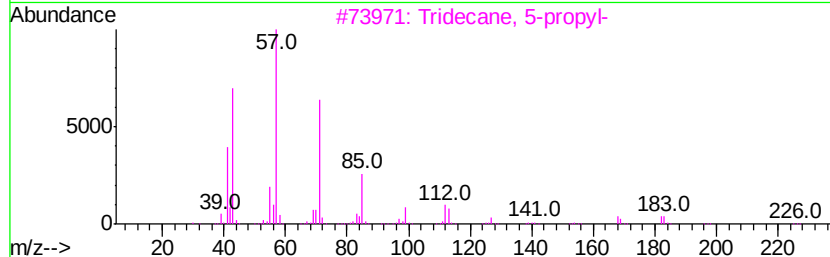
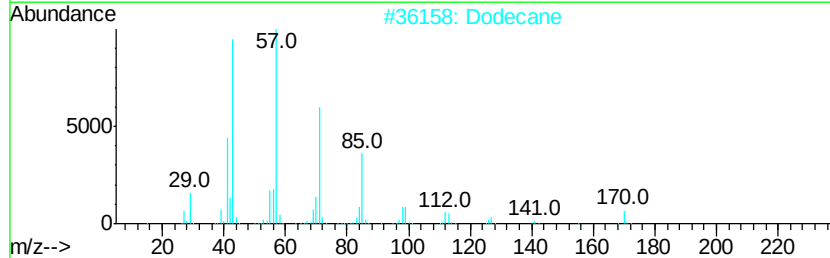
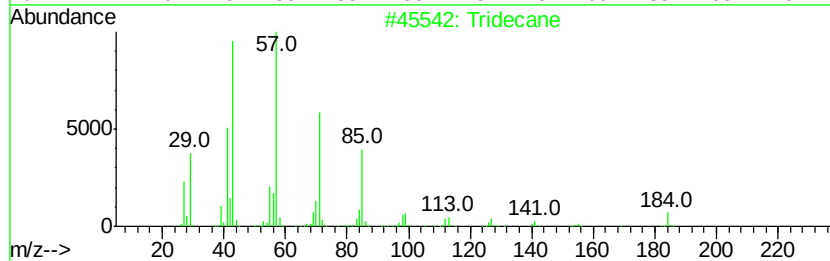
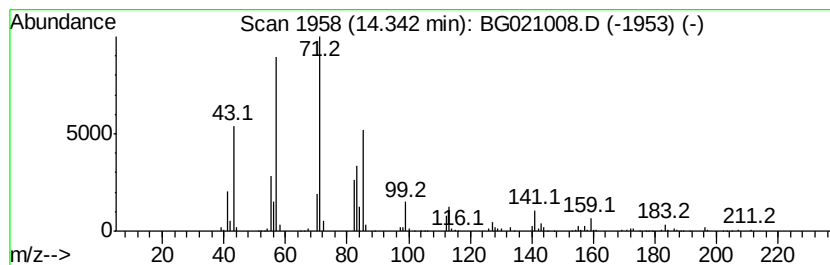
Instrument :
BNA_G
ClientSampleId :
EGR-A-1

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 11 Tridecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.34	46.16 ng	892585	Acenaphthene-d10		14.88
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	87
2	Dodecane	170	C12H26	000112-40-3	72
3	Tridecane, 5-propyl-	226	C16H34	055045-11-9	64
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	59
5	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	59



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021008.D
Acq On : 20 Feb 2016 14:35
Operator : SJ/UM
Sample : H1453-10 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

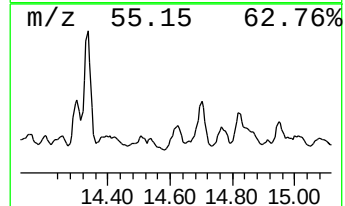
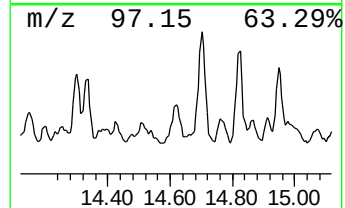
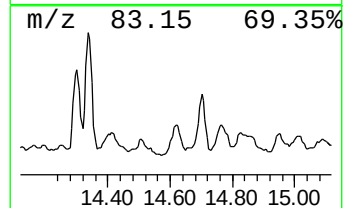
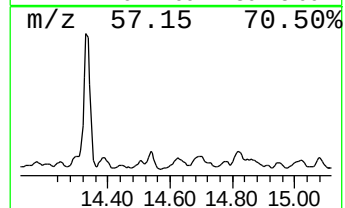
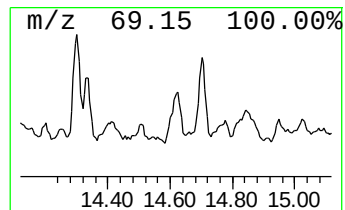
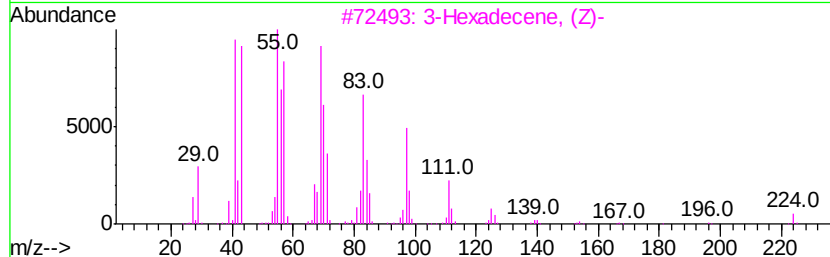
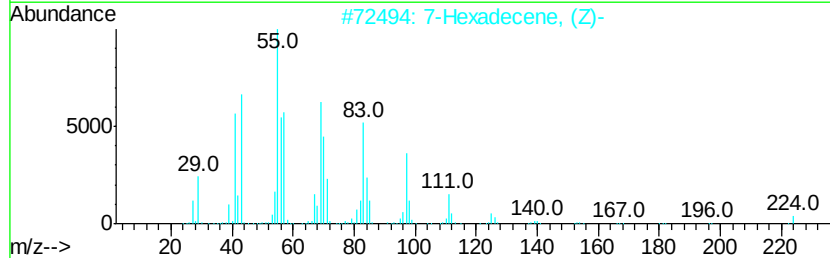
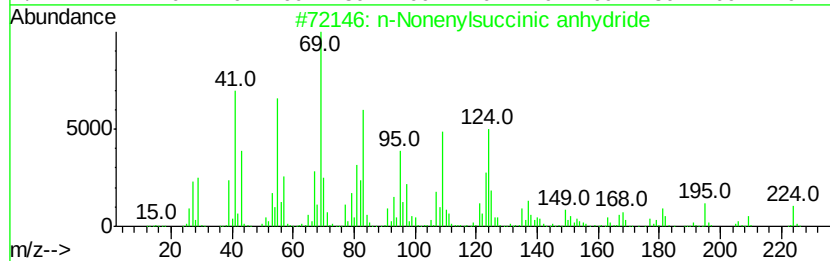
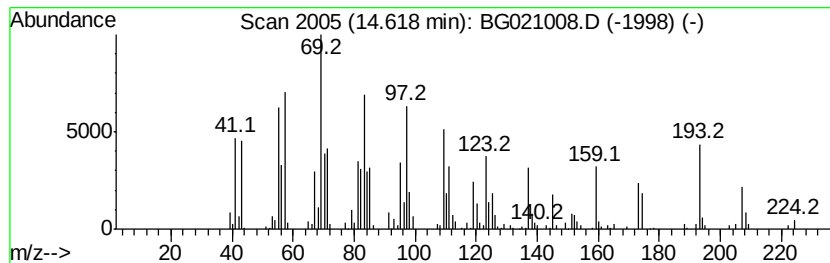
Instrument :
BNA_G
ClientSampleId :
EGR-A-1

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 12 unknown14.62 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.62	17.54 ng	339228	Acenaphthene-d10	14.88	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Nonenylsuccinic anhydride	224	C13H20O3	028928-97-4	38
2	7-Hexadecene, (Z)-	224	C16H32	035507-09-6	25
3	3-Hexadecene, (Z)-	224	C16H32	034303-81-6	25
4	4-Undecene, 6-methyl-	168	C12H24	1000061-85-4	22
5	2-Isopropenyl-5-methylhex-4-enal	152	C10H16O	075697-98-2	22



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021008.D
Acq On : 20 Feb 2016 14:35
Operator : SJ/UM
Sample : H1453-10 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

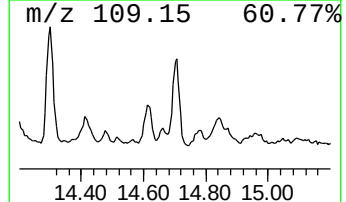
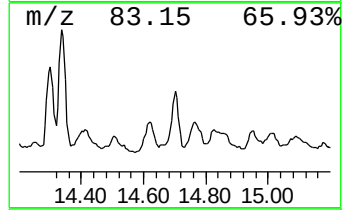
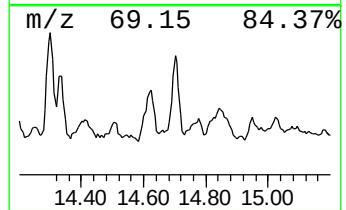
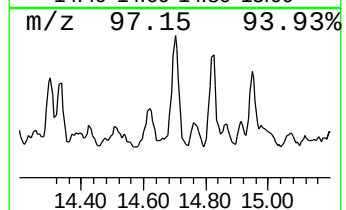
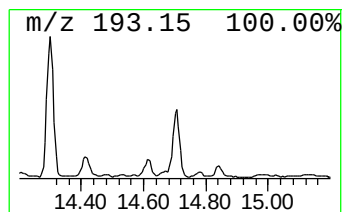
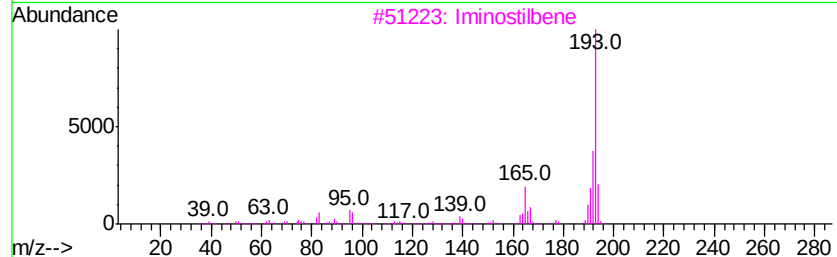
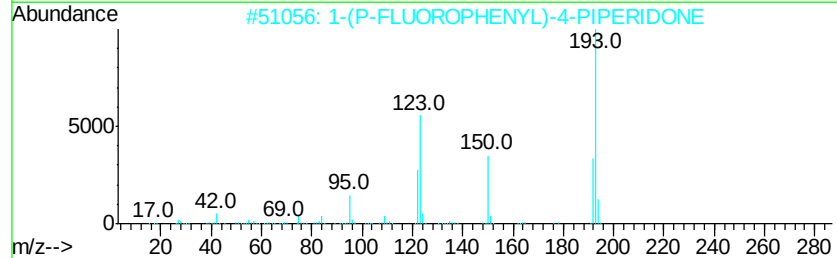
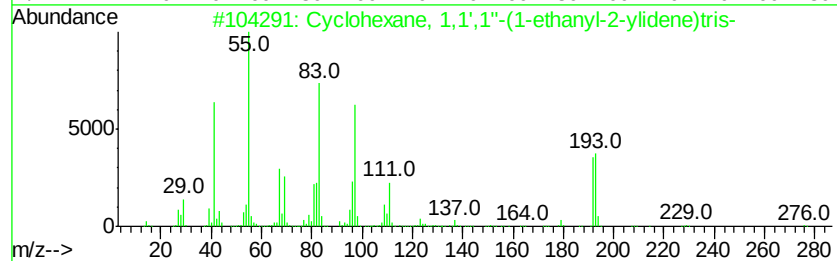
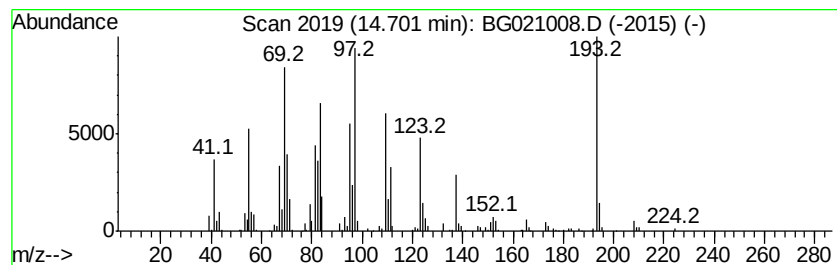
Instrument :
BNA_G
ClientSampleId :
EGR-A-1

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 13 unknown14.70 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.70	19.62 ng	379421	Acenaphthene-d10	14.88	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1',1''-(1-ethanyl...	276	C20H36	055682-86-5	35
2	1-(P-FLUOROPHENYL)-4-PIPERIDONE	193	C11H12FNO	1000238-56-7	22
3	Iminostilbene	193	C14H11N	000256-96-2	18
4	[1,1'-Biphenyl]-4-acetonitrile	193	C14H11N	031603-77-7	11
5	2-Anthracenamine	193	C14H11N	000613-13-8	11



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021008.D
Acq On : 20 Feb 2016 14:35
Operator : SJ/UM
Sample : H1453-10 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EGR-A-1

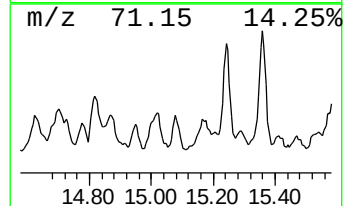
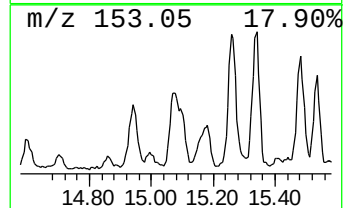
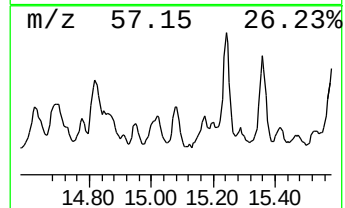
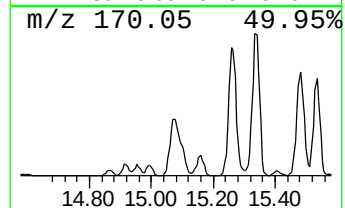
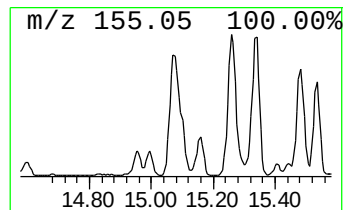
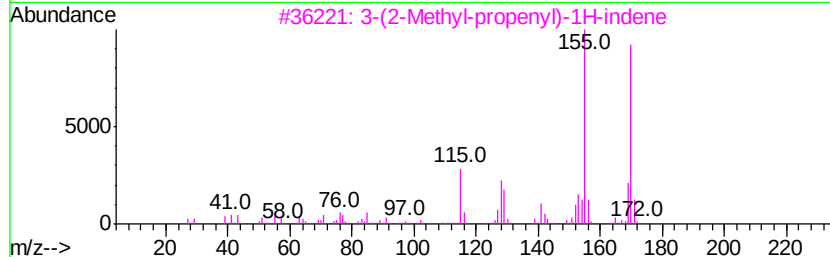
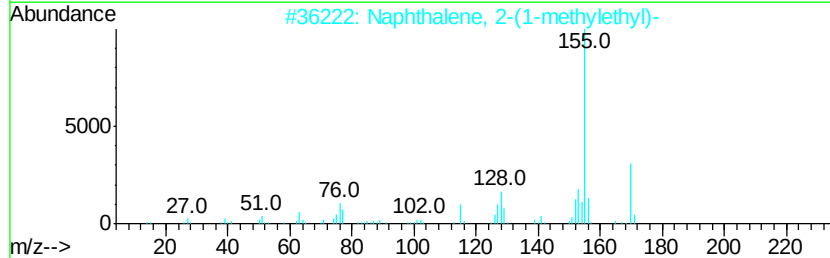
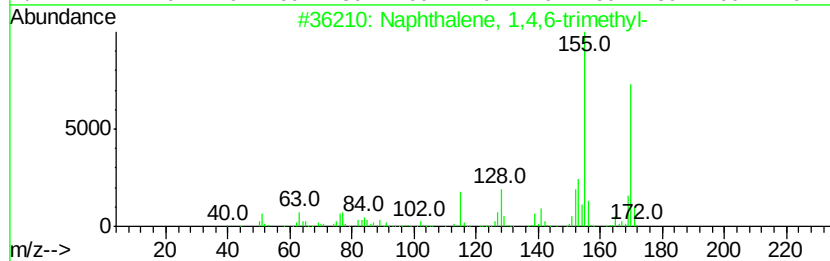
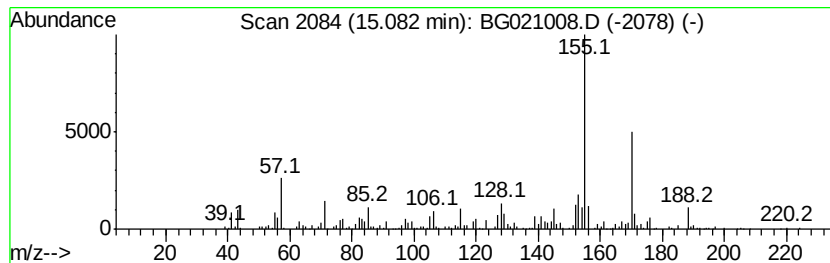
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 1,4,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	18.75 ng	362582	Acenaphthene-d10	14.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	90
2		Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	87
3		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	87
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	62
5		2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	58



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021008.D
Acq On : 20 Feb 2016 14:35
Operator : SJ/UM
Sample : H1453-10 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EGR-A-1

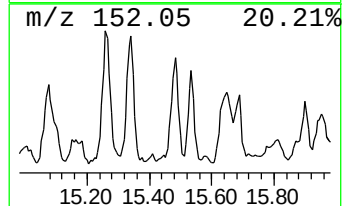
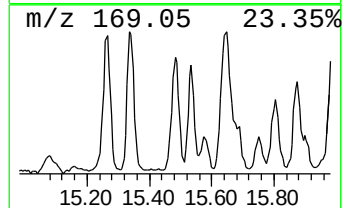
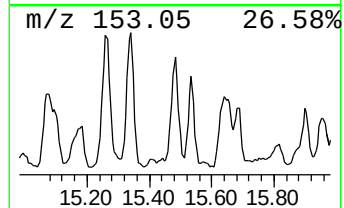
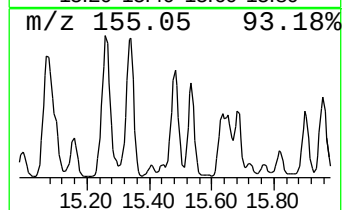
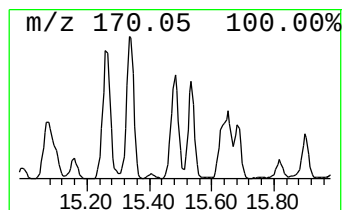
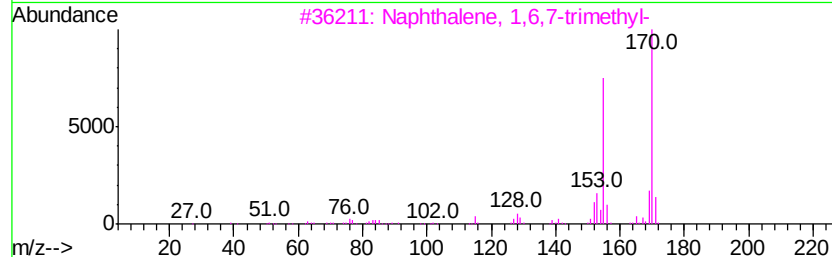
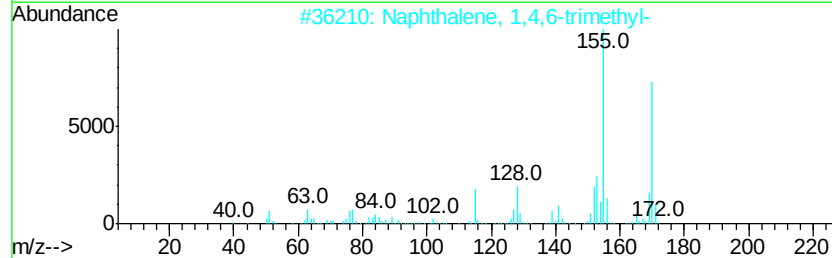
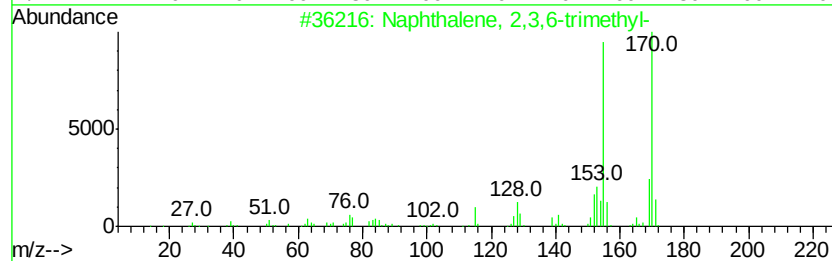
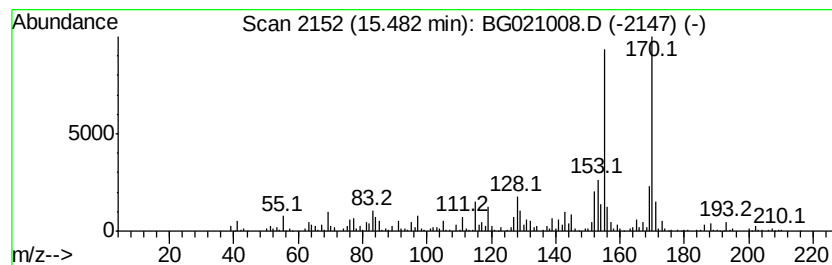
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Naphthalene, 2,3,6-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.48	18.55 ng	358767	Acenaphthene-d10	14.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
4		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	96
5		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021008.D
Acq On : 20 Feb 2016 14:35
Operator : SJ/UM
Sample : H1453-10 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EGR-A-1

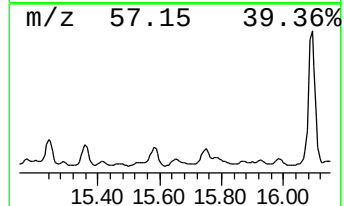
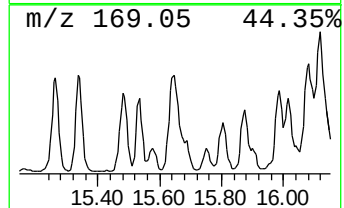
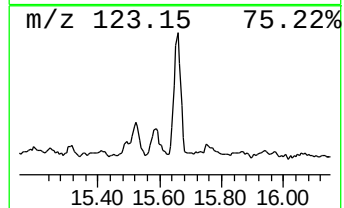
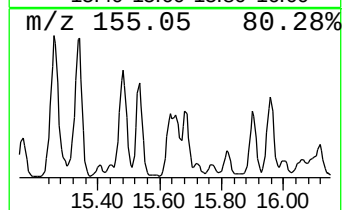
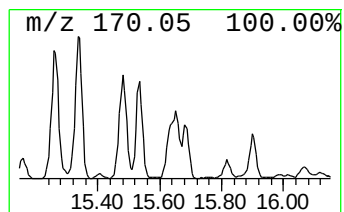
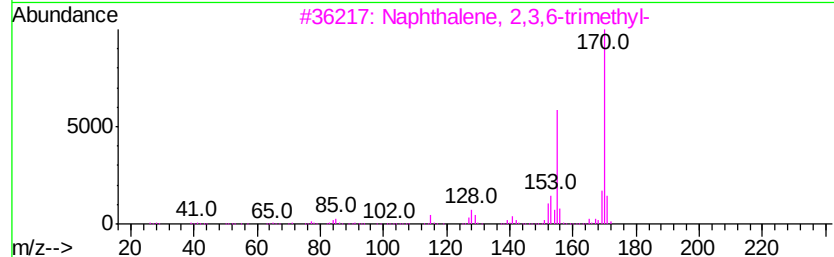
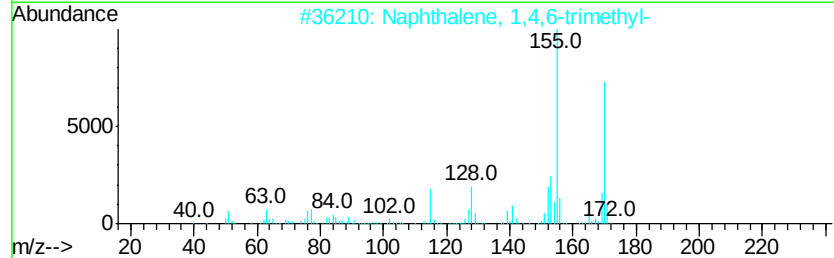
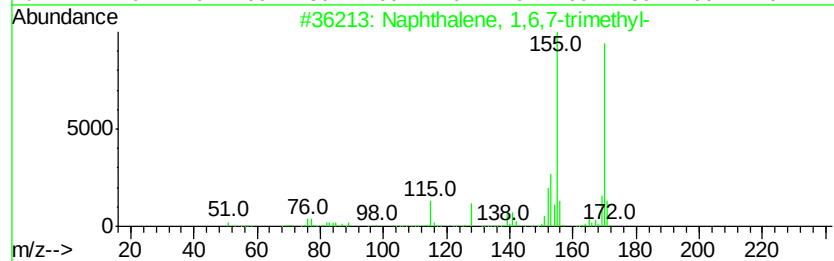
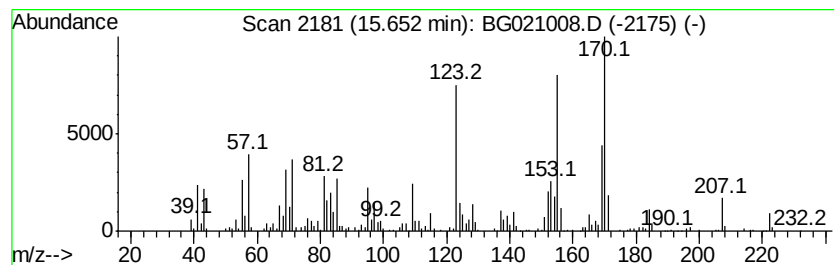
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Naphthalene, 1,6,7-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	22.81 ng	441050	Acenaphthene-d10	14.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	78
3		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	60
4		1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	55
5		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	55



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021008.D
Acq On : 20 Feb 2016 14:35
Operator : SJ/UM
Sample : H1453-10 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

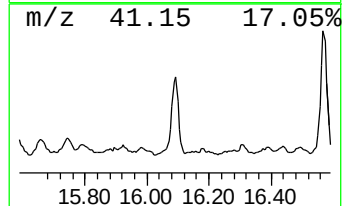
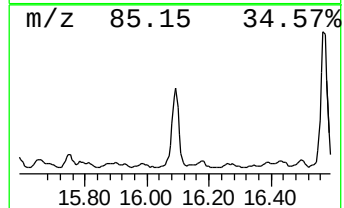
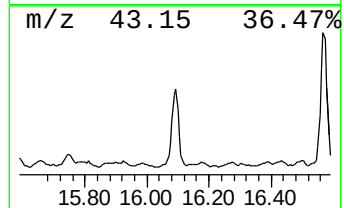
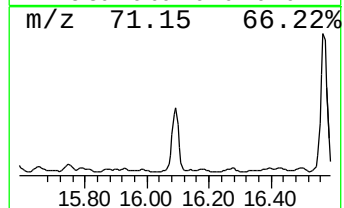
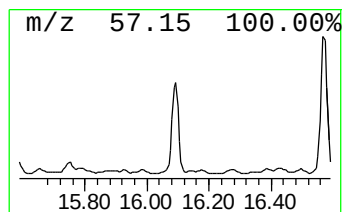
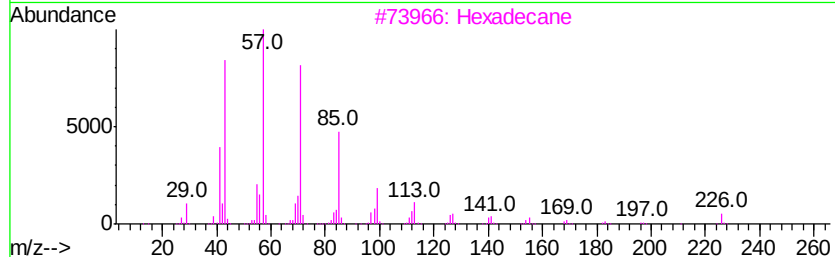
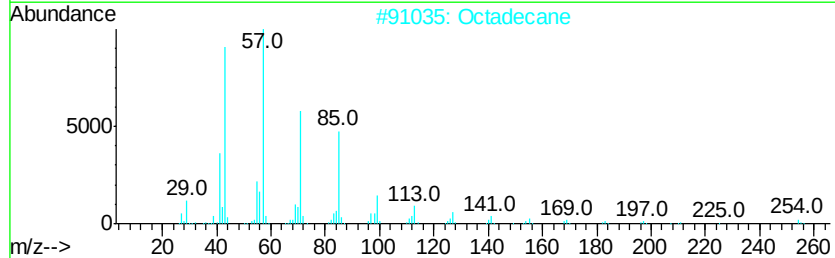
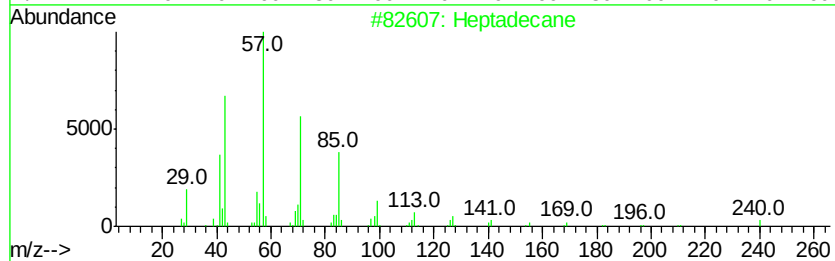
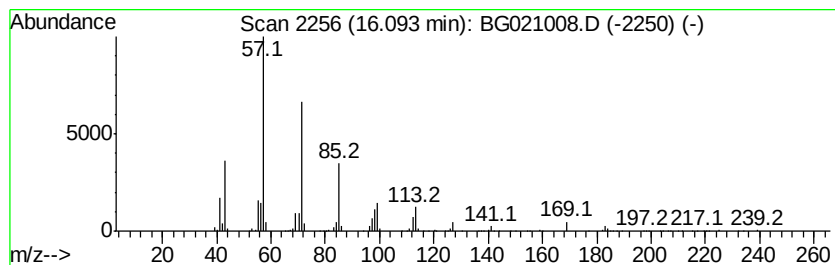
Instrument :
BNA_G
ClientSampleId :
EGR-A-1

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 18 Heptadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.
16.09	45.12 ng	872408	Acenaphthene-d10		14.88
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	86
2	Octadecane	254	C18H38	000593-45-3	78
3	Hexadecane	226	C16H34	000544-76-3	74
4	Tetracosane	338	C24H50	000646-31-1	72
5	Undecane, 6-ethyl-	184	C13H28	017312-60-6	72



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021008.D
Acq On : 20 Feb 2016 14:35
Operator : SJ/UM
Sample : H1453-10 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EGR-A-1

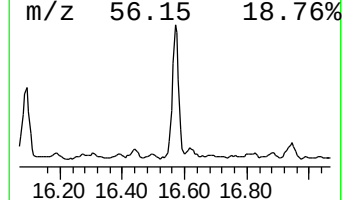
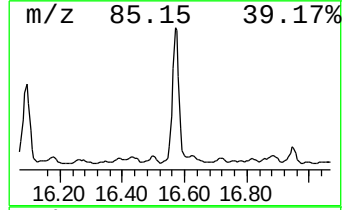
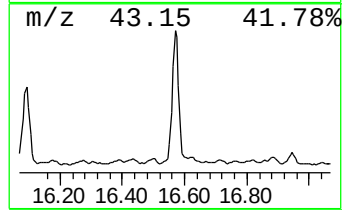
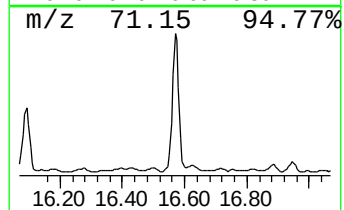
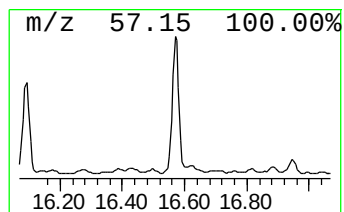
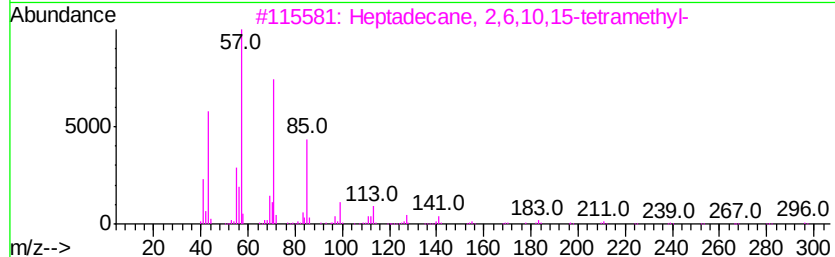
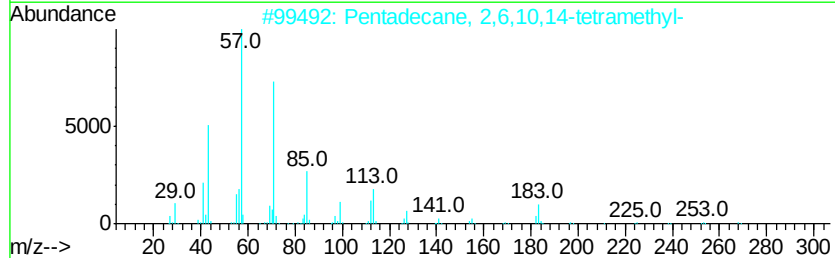
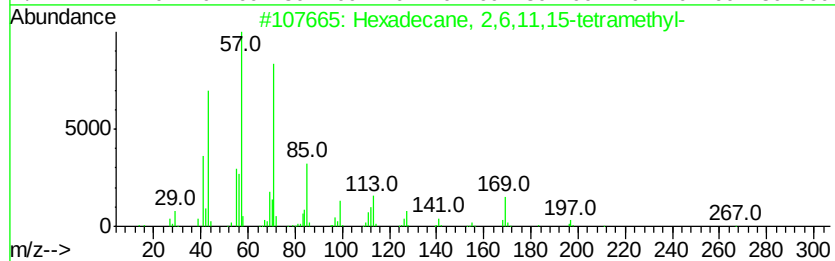
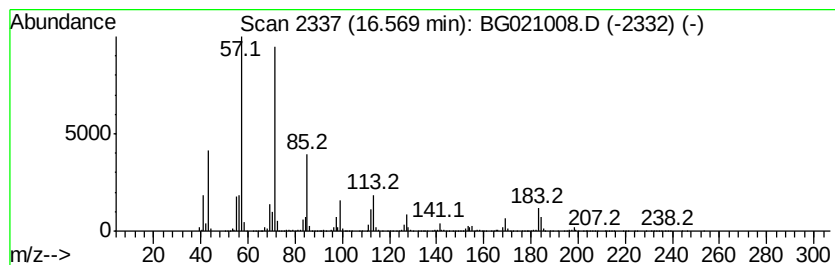
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Hexadecane, 2,6,11,15-tetra... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	78.20 ng	1304630	Phenanthrene-d10	17.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	86
2		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	83
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
4		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	78
5		Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	59



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021008.D
Acq On : 20 Feb 2016 14:35
Operator : SJ/UM
Sample : H1453-10 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EGR-A-1

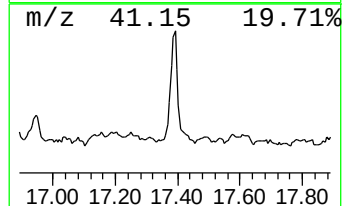
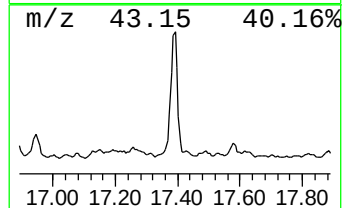
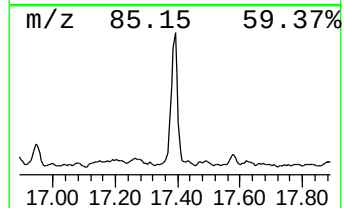
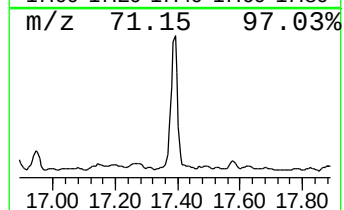
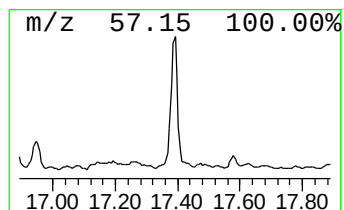
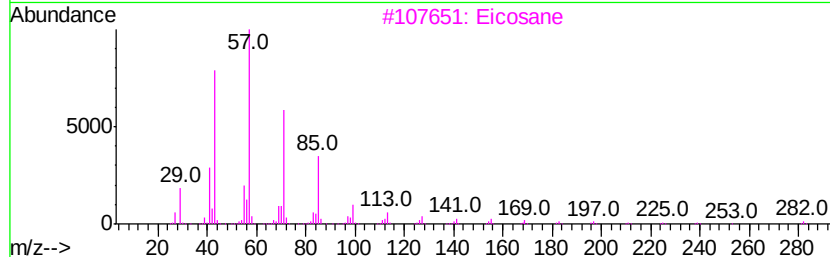
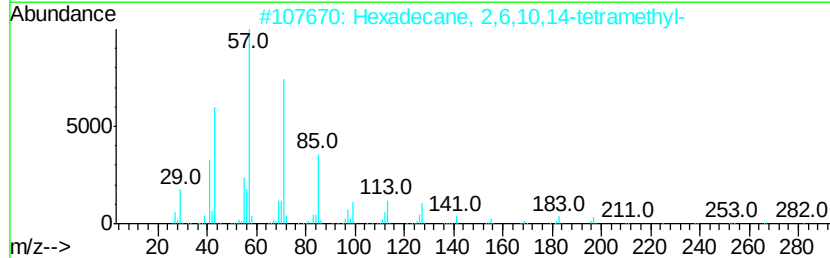
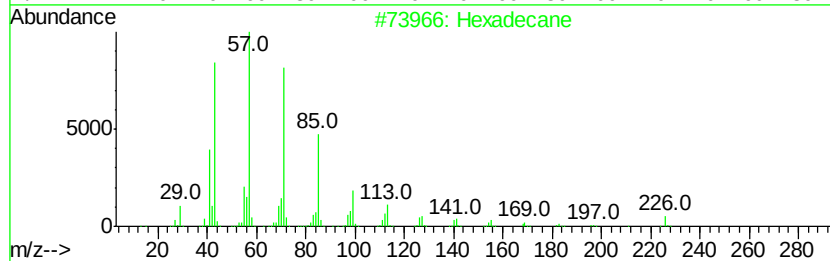
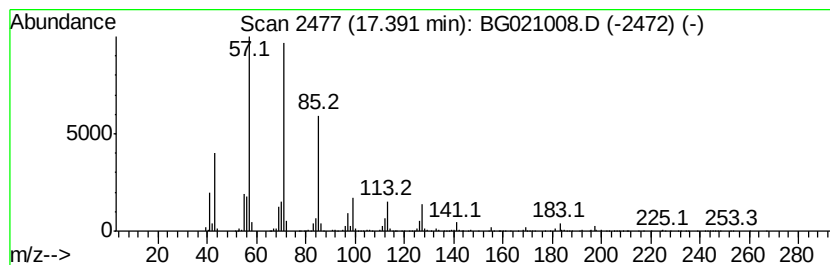
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Hexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.39	36.09 ng	602120	Phenanthrene-d10	17.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	91
2		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	87
3		Eicosane	282	C20H42	000112-95-8	80
4		Heptadecane, 8-methyl-	254	C18H38	013287-23-5	78
5		Tridecane, 5-propyl-	226	C16H34	055045-11-9	64



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021916\
 Data File : BG021008.D
 Acq On : 20 Feb 2016 14:35
 Operator : SJ/UM
 Sample : H1453-10 20X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EGR-A-1

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.89	6.89	19.7	ng	112772	1	8.26	114284	20.0
Tritetracontane	8.43	16.2	ng	92612	1	8.26	114284	20.0
4-Isopropyl-1,3-c...	8.82	20.1	ng	114699	1	8.26	114284	20.0
Naphthalene, deca...	9.10	29.9	ng	170550	1	8.26	114284	20.0
unknown9.37	9.37	28.0	ng	160118	1	8.26	114284	20.0
unknown9.61	9.61	44.3	ng	253178	1	8.26	114284	20.0
Octane, 2,6-dimet...	12.07	22.4	ng	542152	2	11.09	483717	20.0
Dodecane, 2,6,10-...	13.40	40.9	ng	791706	3	14.88	386724	20.0
Naphthalene, 1,4-...	14.20	19.1	ng	369195	3	14.88	386724	20.0
unknown14.30	14.30	23.7	ng	458420	3	14.88	386724	20.0
Tridecane	14.34	46.2	ng	892585	3	14.88	386724	20.0
unknown14.62	14.62	17.5	ng	339228	3	14.88	386724	20.0
unknown14.70	14.70	19.6	ng	379421	3	14.88	386724	20.0
Naphthalene, 1,4,...	15.08	18.8	ng	362582	3	14.88	386724	20.0
Naphthalene, 2,3,...	15.48	18.6	ng	358767	3	14.88	386724	20.0
Naphthalene, 1,6,...	15.65	22.8	ng	441050	3	14.88	386724	20.0
Heptadecane	16.09	45.1	ng	872408	3	14.88	386724	20.0
Hexadecane, 2,6,1...	16.57	78.2	ng	1304630	4	17.61	333658	20.0
Hexadecane	17.39	36.1	ng	602120	4	17.61	333658	20.0