

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG011718\
 Data File : BG032123.D
 Acq On : 18 Jan 2018 5:13
 Operator : SJ/JU
 Sample : J1144-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DS-5

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-BG011218.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	4.486	197	204	210	rVV3	100556	225682	3.33%	0.259%
2	6.037	463	468	477	rVB2	97159	269246	3.97%	0.309%
3	6.178	485	492	502	rVB	836274	1495215	22.05%	1.719%
4	6.595	558	563	571	rBV6	63967	180818	2.67%	0.208%
5	6.913	610	617	620	rBV3	88916	181446	2.68%	0.209%
6	7.153	648	658	663	rBV6	71678	220780	3.26%	0.254%
7	7.218	664	669	675	rVV2	109130	191199	2.82%	0.220%
8	7.306	679	684	693	rVB6	118236	268785	3.96%	0.309%
9	7.559	721	727	733	rVB6	80764	185867	2.74%	0.214%
10	7.670	741	746	752	rVV2	255311	457890	6.75%	0.526%
11	7.853	770	777	785	rBV	847630	1682291	24.81%	1.934%
12	8.258	840	846	860	rVB	817564	1620781	23.90%	1.863%
13	8.634	906	910	914	rVV3	94351	185865	2.74%	0.214%
14	8.693	915	920	925	rVV	213463	389139	5.74%	0.447%
15	8.746	925	929	934	rVV	180654	322562	4.76%	0.371%
16	9.034	973	978	981	rVV2	112082	199390	2.94%	0.229%
17	9.081	981	986	992	rVV	632836	1174534	17.32%	1.350%
18	9.245	1008	1014	1020	rBV2	170018	424670	6.26%	0.488%
19	9.321	1023	1027	1034	rVB4	168232	307745	4.54%	0.354%
20	9.404	1034	1041	1048	rBV3	191170	430383	6.35%	0.495%
21	9.504	1053	1058	1070	rBV5	119927	286807	4.23%	0.330%
22	9.615	1071	1077	1092	rVB6	126709	396481	5.85%	0.456%
23	9.874	1110	1121	1127	rBV3	363641	849410	12.53%	0.976%
24	9.944	1127	1133	1144	rVB2	469670	1284131	18.94%	1.476%
25	10.109	1153	1161	1162	rBV7	91434	182999	2.70%	0.210%
26	10.238	1176	1183	1190	rVB5	120825	278141	4.10%	0.320%
27	10.338	1194	1200	1206	rVV4	81060	236148	3.48%	0.271%
28	10.408	1207	1212	1220	rVV2	380848	717606	10.58%	0.825%
29	10.520	1227	1231	1238	rVB2	248499	453940	6.69%	0.522%
30	10.667	1252	1256	1259	rVV	138751	219627	3.24%	0.252%
31	10.708	1260	1263	1271	rVB2	191186	354923	5.23%	0.408%
32	10.790	1271	1277	1281	rBV4	298309	636430	9.39%	0.732%
33	10.914	1294	1298	1306	rVB5	156963	308451	4.55%	0.355%
34	11.002	1307	1313	1322	rBV2	290431	889761	13.12%	1.023%

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG011718\
 Data File : BG032123.D
 Acq On : 18 Jan 2018 5:13
 Operator : SJ/JU
 Sample : J1144-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DS-5

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-BG011218.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.178	1338	1343	1350	rVB5	135784	258159	3.81%	0.297%
36	11.302	1359	1364	1372	rVB	255775	521654	7.69%	0.600%
37	11.378	1372	1377	1383	rBV5	114207	284792	4.20%	0.327%
38	11.589	1406	1413	1417	rBV2	303936	645895	9.52%	0.742%
39	11.636	1417	1421	1425	rVV3	232945	392061	5.78%	0.451%
40	11.742	1432	1439	1446	rVB2	870383	1786174	26.34%	2.053%
41	11.819	1446	1452	1457	rBV6	259831	570090	8.41%	0.655%
42	11.977	1473	1479	1484	rBV8	117117	309285	4.56%	0.356%
43	12.030	1485	1488	1492	rVV2	132349	234537	3.46%	0.270%
44	12.089	1492	1498	1505	rVB3	518729	1054826	15.56%	1.213%
45	12.200	1512	1517	1521	rBV	398352	656667	9.68%	0.755%
46	12.294	1524	1533	1542	rVB5	559407	1570722	23.16%	1.806%
47	12.424	1552	1555	1562	rVB4	147499	320493	4.73%	0.368%
48	12.512	1563	1570	1575	rBV	459847	947626	13.97%	1.089%
49	12.582	1577	1582	1587	rVB2	729804	1169833	17.25%	1.345%
50	12.641	1588	1592	1596	rVV2	187488	297087	4.38%	0.342%
51	12.700	1598	1602	1611	rVB	299944	496902	7.33%	0.571%
52	12.788	1611	1617	1622	rBV2	654839	1142395	16.85%	1.313%
53	12.906	1635	1637	1643	rVB2	176980	283639	4.18%	0.326%
54	12.976	1644	1649	1656	rBV6	307001	858608	12.66%	0.987%
55	13.135	1672	1676	1681	rBV2	321558	487974	7.20%	0.561%
56	13.323	1703	1708	1712	rBV4	256723	423477	6.24%	0.487%
57	13.387	1712	1719	1722	rBV7	181605	474855	7.00%	0.546%
58	13.481	1729	1735	1740	rBV4	715458	1317029	19.42%	1.514%
59	13.658	1761	1765	1771	rVB5	390280	716378	10.56%	0.823%
60	13.734	1772	1778	1783	rBV5	374739	777355	11.46%	0.894%
61	13.781	1783	1786	1793	rVB4	253123	422186	6.23%	0.485%
62	13.893	1800	1805	1810	rBV3	1362599	2161415	31.87%	2.485%
63	14.010	1820	1825	1830	rBV	1447830	2397531	35.36%	2.756%
64	14.092	1835	1839	1845	rBV6	198303	370571	5.46%	0.426%
65	14.186	1848	1855	1860	rBV6	480569	1051813	15.51%	1.209%
66	14.327	1875	1879	1883	rVB2	673102	1055909	15.57%	1.214%
67	14.380	1885	1888	1891	rBV4	229371	325407	4.80%	0.374%
68	14.545	1912	1916	1917	rBV2	277238	382151	5.64%	0.439%
69	14.703	1939	1943	1947	rBV2	432414	642618	9.48%	0.739%
70	14.821	1956	1963	1969	rBV4	2152979	3878692	57.20%	4.459%
71	14.880	1969	1973	1978	rVB2	470063	675617	9.96%	0.777%

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG011718\
 Data File : BG032123.D
 Acq On : 18 Jan 2018 5:13
 Operator : SJ/JU
 Sample : J1144-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DS-5

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-BG011218.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.944	1978	1984	1988	rBV4	629755	1219241	17.98%	1.402%
73	15.027	1995	1998	2001	rVB	432979	497901	7.34%	0.572%
74	15.062	2002	2004	2007	rBV	143445	184781	2.72%	0.212%
75	15.115	2008	2013	2019	rVB4	485139	1003935	14.80%	1.154%
76	15.215	2027	2030	2034	rVB3	374606	461839	6.81%	0.531%
77	15.356	2051	2054	2057	rBV3	261401	434257	6.40%	0.499%
78	15.579	2086	2092	2101	rBV3	463352	1346779	19.86%	1.548%
79	15.726	2114	2117	2120	rBV	340238	404057	5.96%	0.464%
80	15.767	2120	2124	2132	rVB3	662611	1070764	15.79%	1.231%
81	15.843	2133	2137	2140	rBV	696779	993914	14.66%	1.143%
82	15.990	2156	2162	2166	rBV3	905300	1867454	27.54%	2.147%
83	16.037	2167	2170	2182	rVB4	583385	1420538	20.95%	1.633%
84	16.161	2184	2191	2194	rBV4	548439	1207546	17.81%	1.388%
85	16.454	2239	2241	2248	rVB4	370857	552962	8.15%	0.636%
86	16.578	2254	2262	2266	rBV2	2172364	4126149	60.85%	4.743%
87	16.683	2276	2280	2282	rBV5	326275	515116	7.60%	0.592%
88	16.860	2306	2310	2316	rBV2	1227549	2181156	32.17%	2.507%
89	17.054	2338	2343	2358	rVB2	3581408	6781115	100.00%	7.795%
90	17.477	2411	2415	2419	rBV3	509434	789628	11.64%	0.908%
91	17.870	2477	2482	2487	rBV	2009577	2991648	44.12%	3.439%
92	18.058	2511	2514	2517	rBV2	238042	293147	4.32%	0.337%
93	18.470	2581	2584	2588	rVB2	403426	517102	7.63%	0.594%
94	18.975	2667	2670	2673	rBV	306660	364038	5.37%	0.418%
95	19.868	2818	2822	2827	rVB	448384	651708	9.61%	0.749%
96	20.479	2923	2926	2931	rVB	218855	303787	4.48%	0.349%
97	20.538	2933	2936	2942	rVB2	168550	281839	4.16%	0.324%
98	20.655	2951	2956	2960	rVB	2495959	3327874	49.08%	3.825%
99	22.453	3255	3262	3270	rVB2	612684	1139149	16.80%	1.309%
100	26.155	3879	3892	3906	rBV2	373560	1193622	17.60%	1.372%

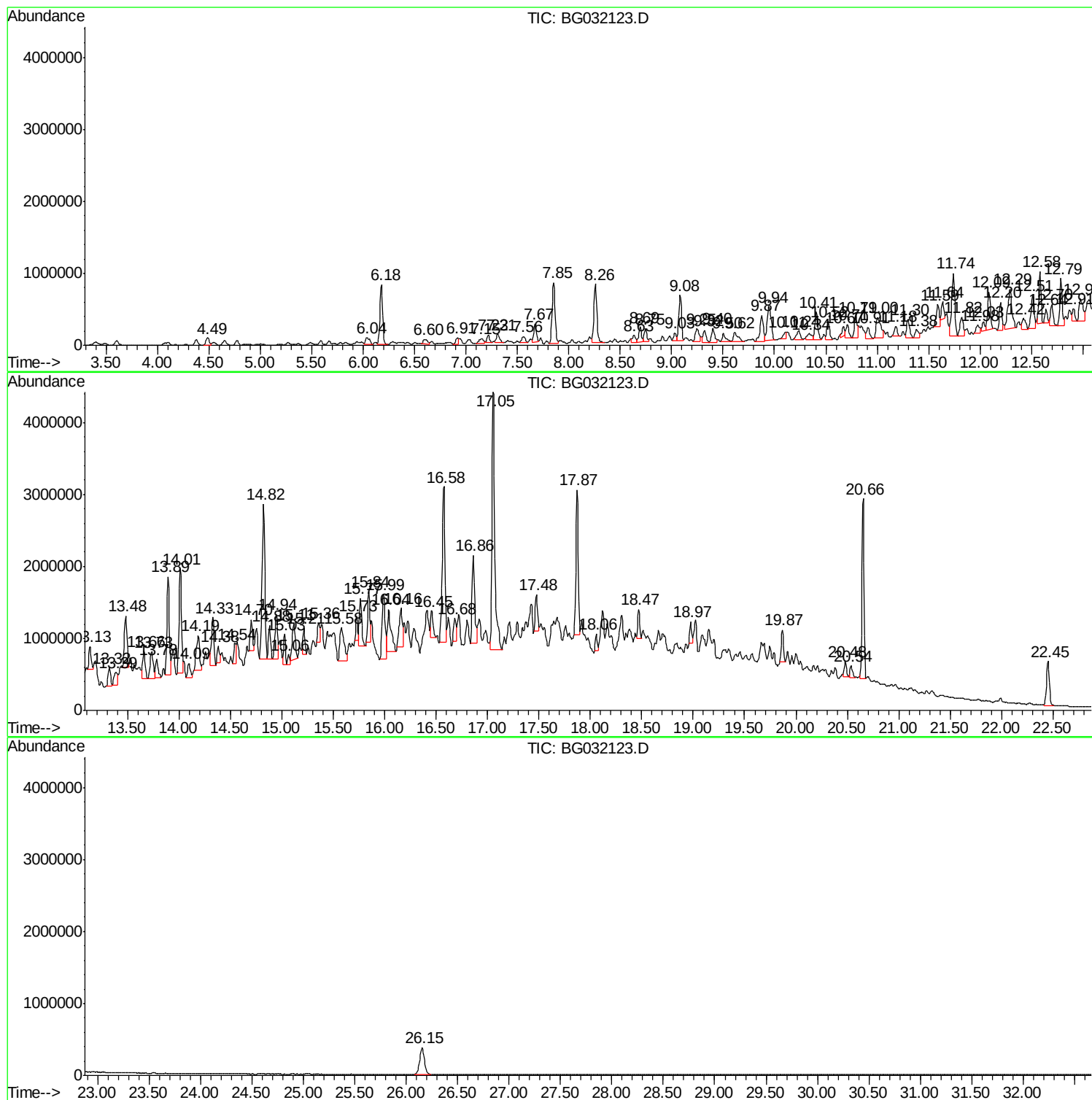
Sum of corrected areas: 86994612

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032123.D
Acq On : 18 Jan 2018 5:13
Operator : SJ/JU
Sample : J1144-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
DS-5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032123.D
Acq On : 18 Jan 2018 5:13
Operator : SJ/JU
Sample : J1144-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DS-5

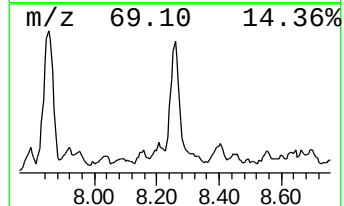
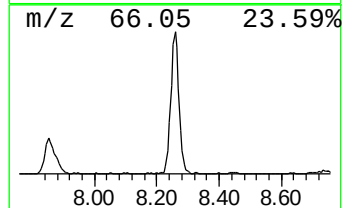
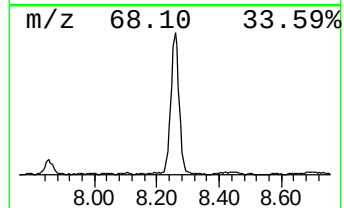
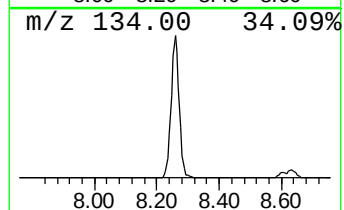
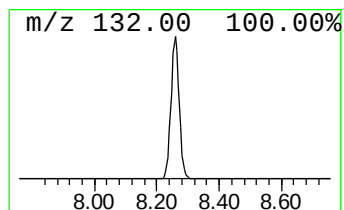
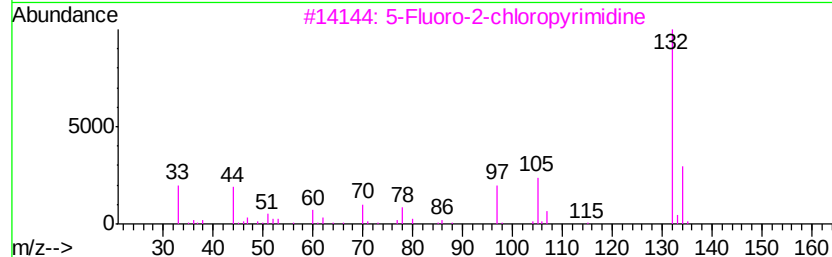
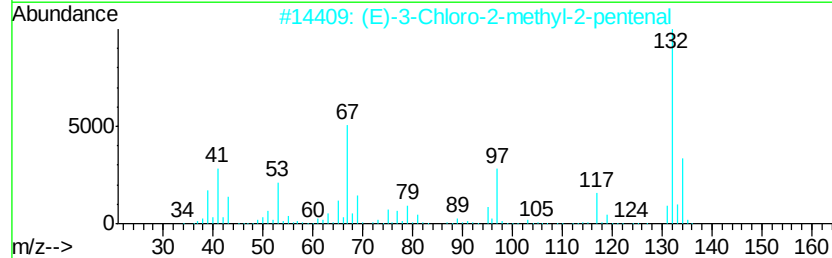
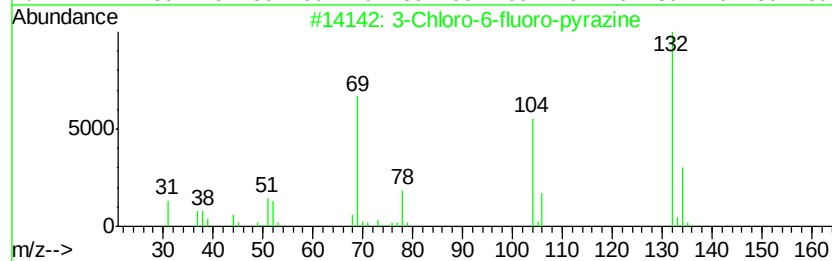
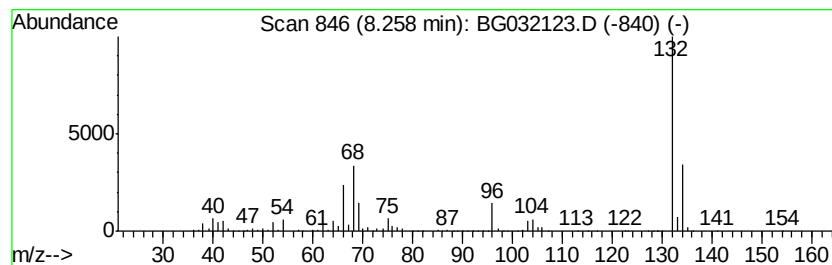
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown8.26 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.26	100.49 ng	1620780	1,4-Dichlorobenzene-d4	8.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	17
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032123.D
Acq On : 18 Jan 2018 5:13
Operator : SJ/JU
Sample : J1144-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DS-5

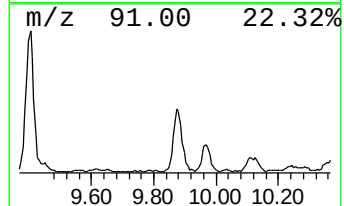
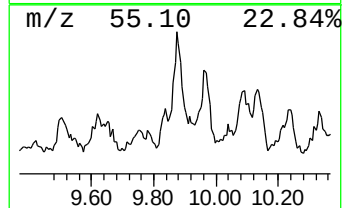
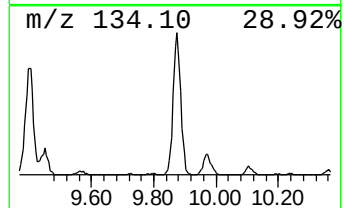
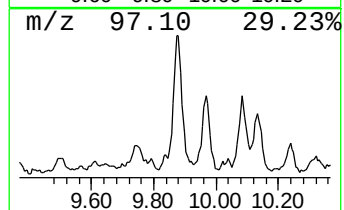
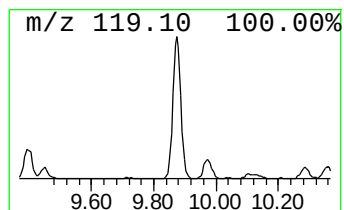
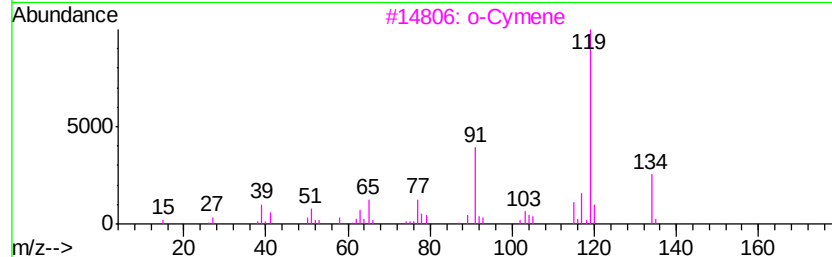
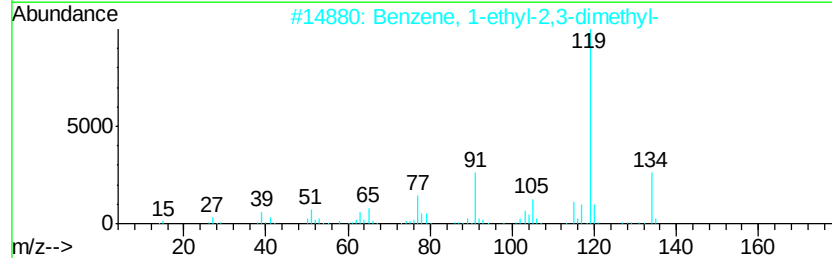
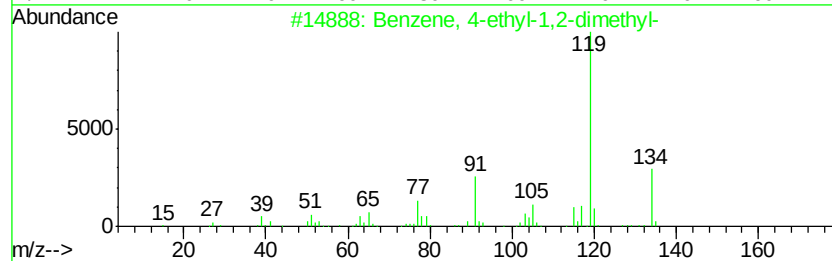
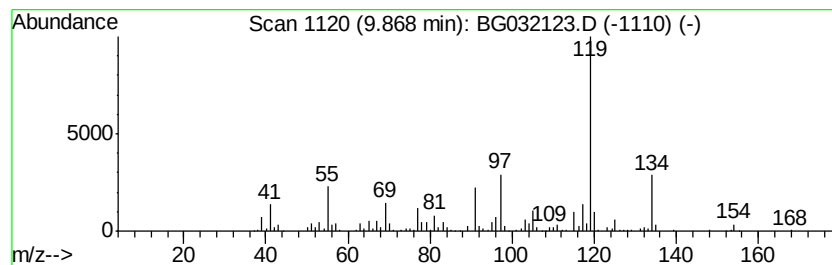
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.87	52.67 ng	849410	1,4-Dichlorobenzene-d4	8.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	92
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	83
3		o-Cymene	134	C10H14	000527-84-4	76
4		p-Cymene	134	C10H14	000099-87-6	76
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	70



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032123.D
Acq On : 18 Jan 2018 5:13
Operator : SJ/JU
Sample : J1144-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DS-5

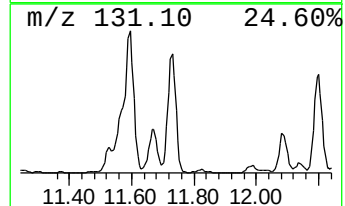
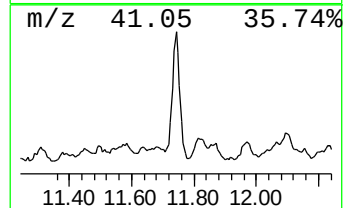
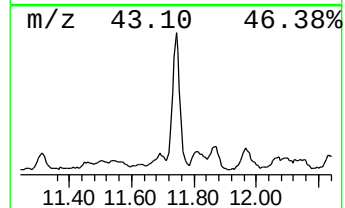
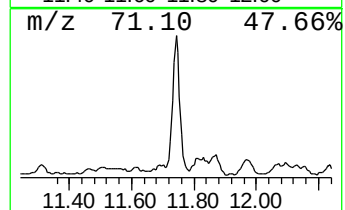
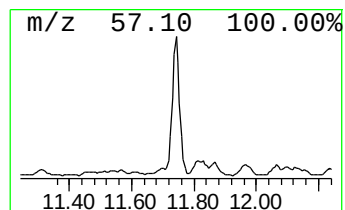
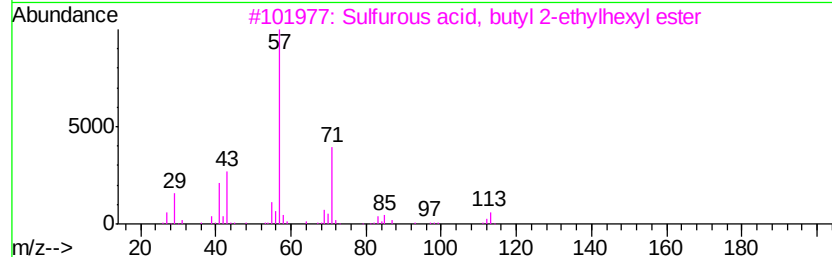
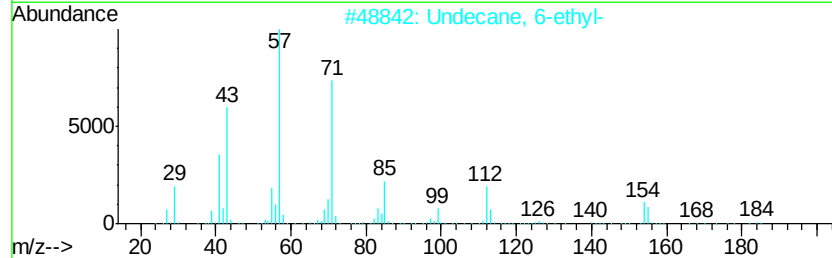
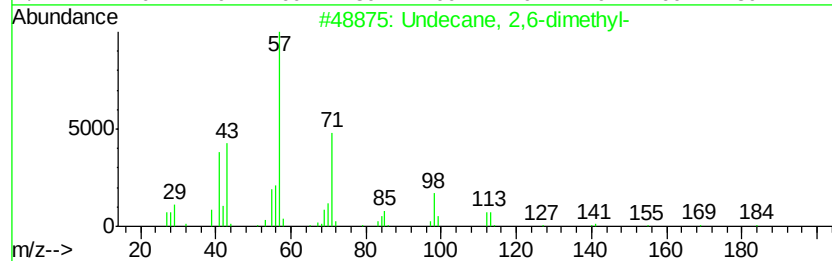
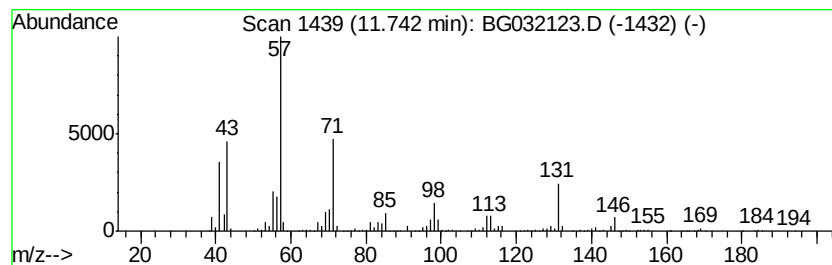
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Undecane, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	91.12 ng	1786170	Napthalene-d8	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	94
2		Undecane, 6-ethyl-	184	C13H28	017312-60-6	50
3		Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	50
4		Tridecane, 6-methyl-	198	C14H30	013287-21-3	49
5		Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	47



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032123.D
Acq On : 18 Jan 2018 5:13
Operator : SJ/JU
Sample : J1144-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DS-5

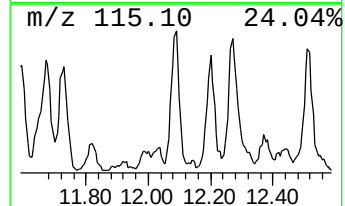
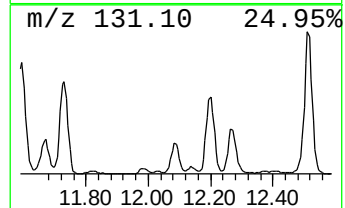
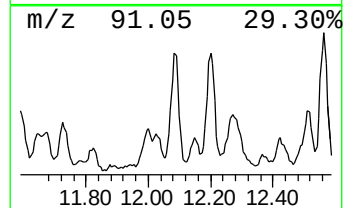
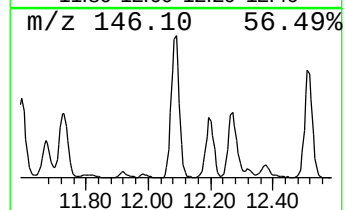
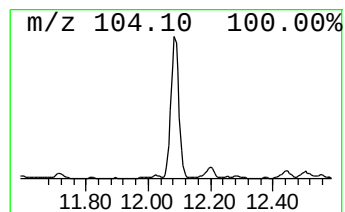
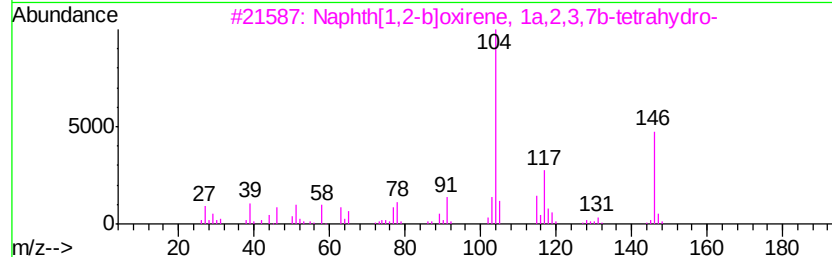
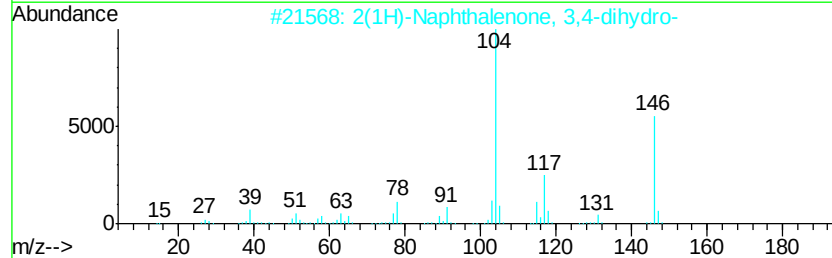
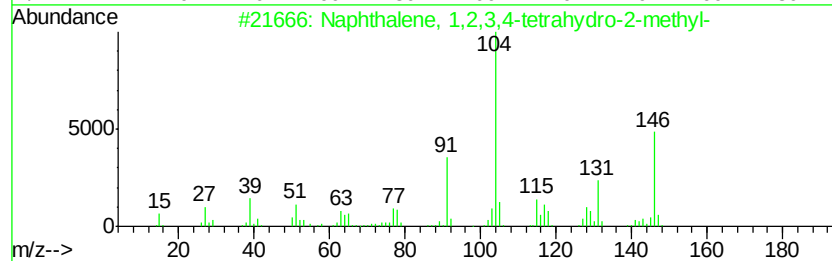
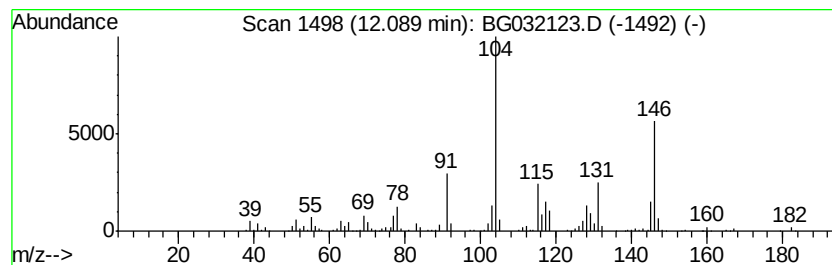
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 1,2,3,4-tetra... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	53.81 ng	1054830	Naphthalene-d8	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	91
2		2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	58
3		Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	50
4		2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	45
5		5H-Benzocycloheptene,6,7,8,9-tet...	146	C11H14	001075-16-7	35



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032123.D
Acq On : 18 Jan 2018 5:13
Operator : SJ/JU
Sample : J1144-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
DS-5

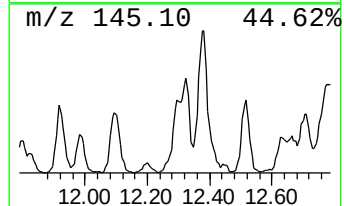
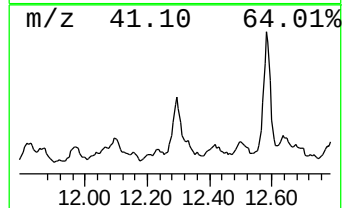
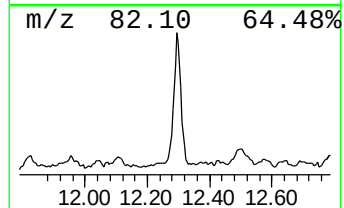
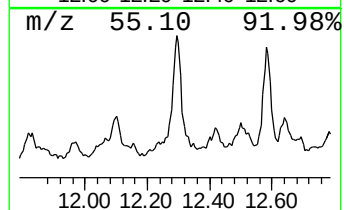
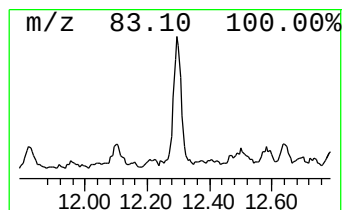
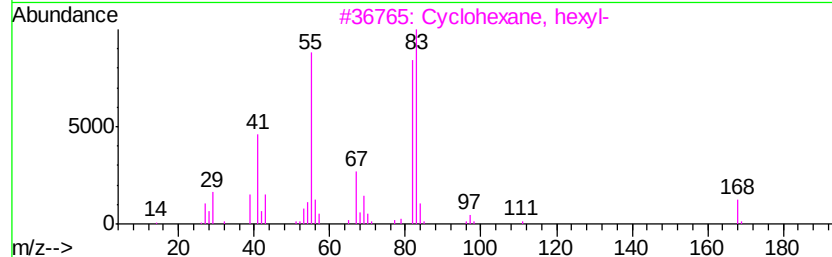
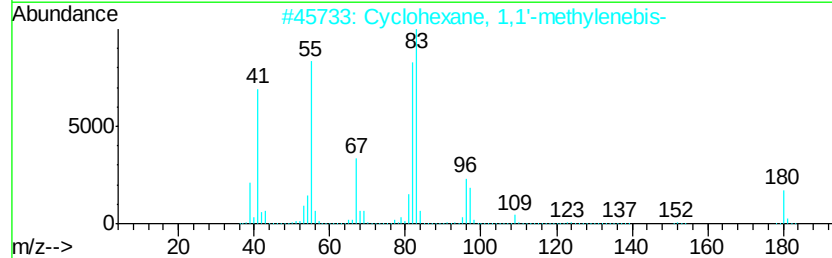
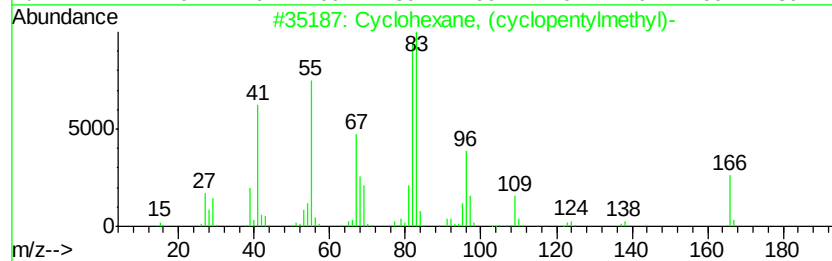
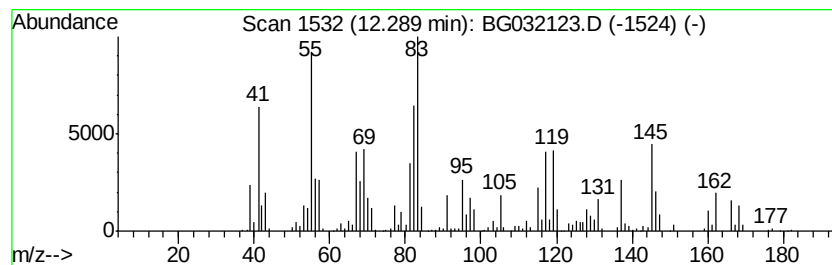
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Cyclohexane, (cyclopentylme... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	80.13 ng	1570720	Napthalene-d8	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (cyclopentylmethyl)-	166	C12H22	004431-89-4	53
2		Cyclohexane, 1,1'-methylenebis-	180	C13H24	003178-23-2	46
3		Cyclohexane, hexyl-	168	C12H24	004292-75-5	43
4		1,6-Octadiene, 5,7-dimethyl-, (R)-	138	C10H18	085006-04-8	38
5		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	38



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032123.D
Acq On : 18 Jan 2018 5:13
Operator : SJ/JU
Sample : J1144-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DS-5

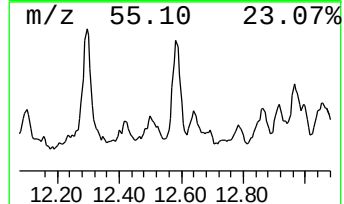
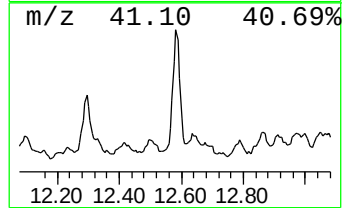
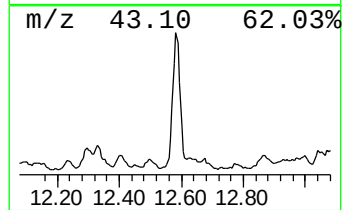
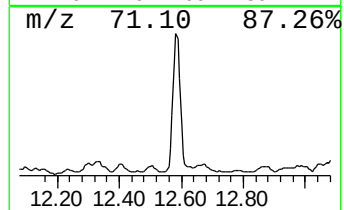
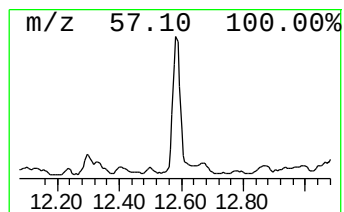
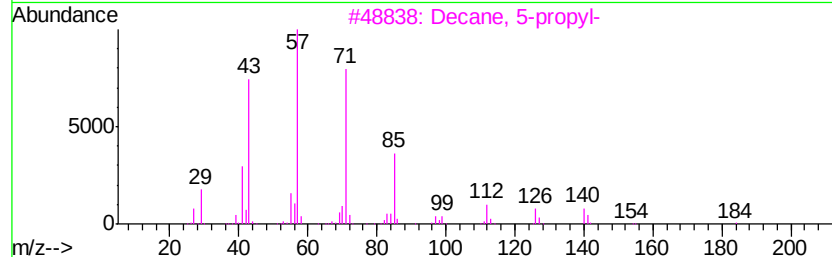
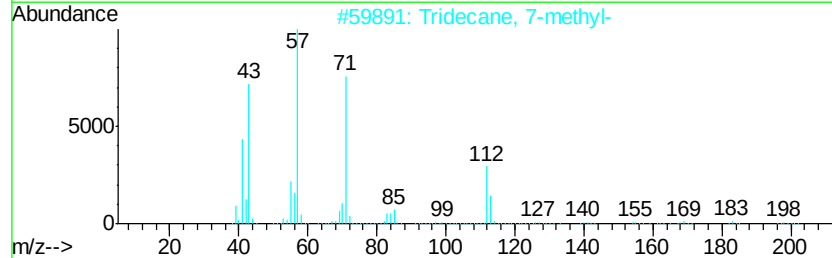
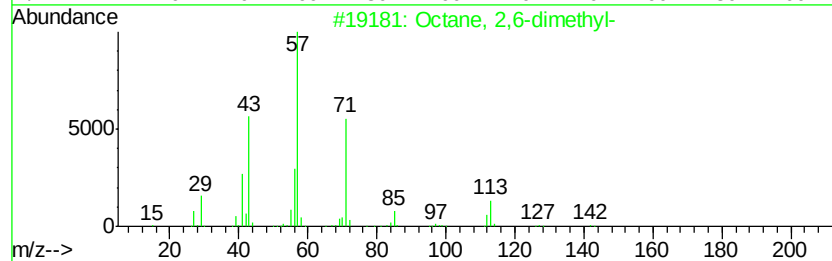
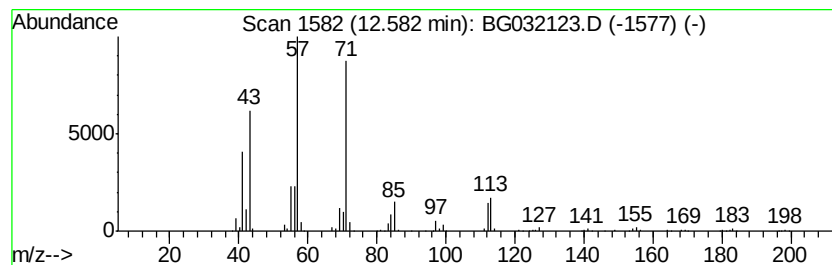
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Octane, 2,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	59.68 ng	1169830	Napthalene-d8	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
2		Tridecane, 7-methyl-	198	C14H30	026730-14-3	81
3		Decane, 5-propyl-	184	C13H28	017312-62-8	74
4		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	72
5		Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	64



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032123.D
Acq On : 18 Jan 2018 5:13
Operator : SJ/JU
Sample : J1144-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DS-5

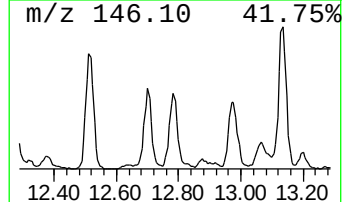
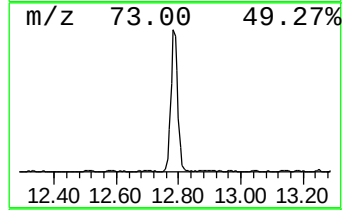
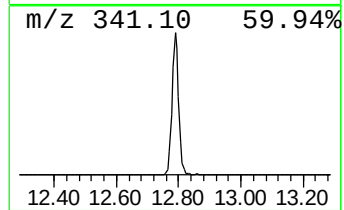
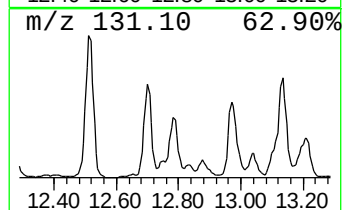
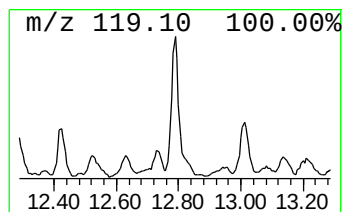
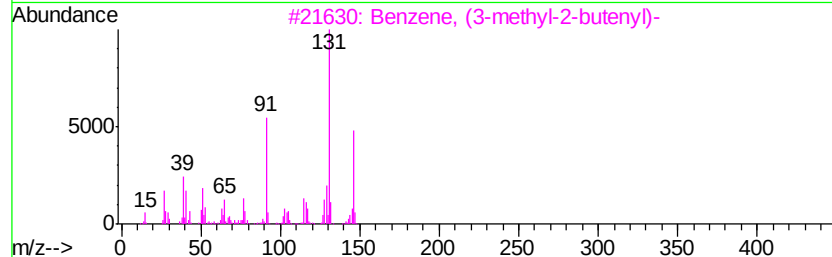
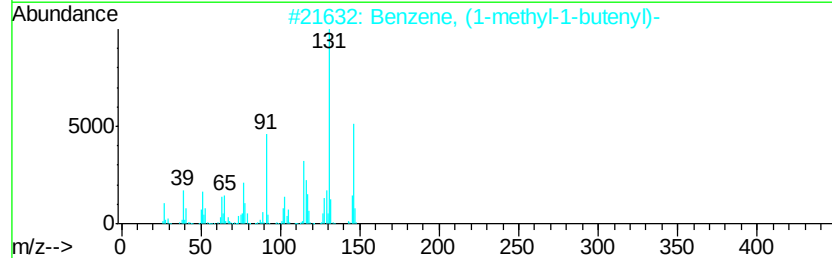
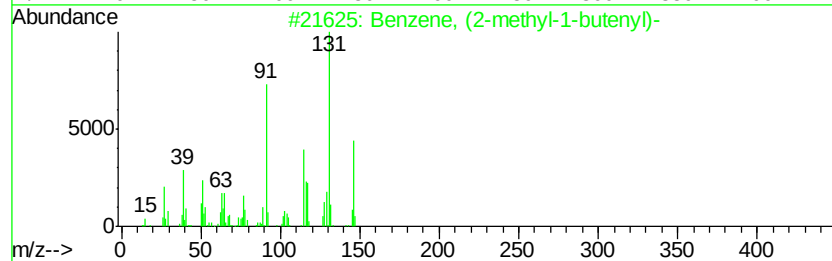
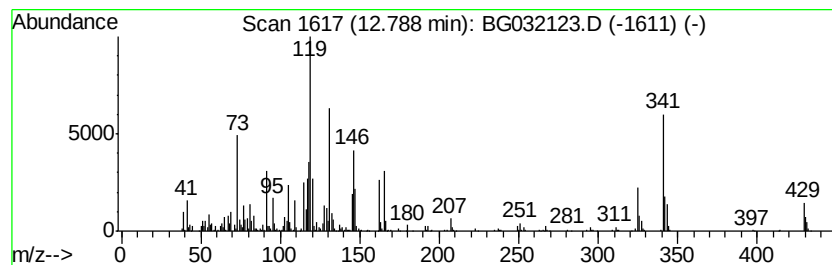
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 unknown12.79 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	58.28 ng	1142400	Naphthalene-d8	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	35
2		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	35
3		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	35
4		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	35
5		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	35



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032123.D
Acq On : 18 Jan 2018 5:13
Operator : SJ/JU
Sample : J1144-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DS-5

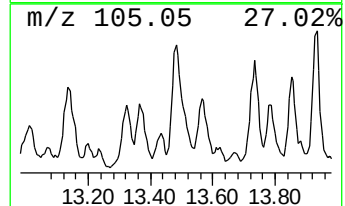
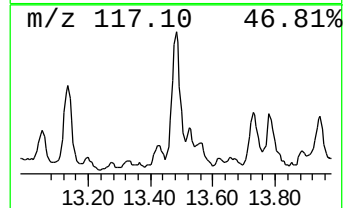
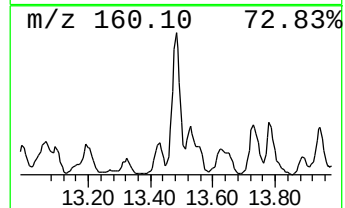
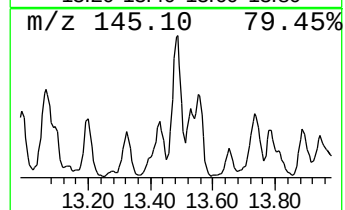
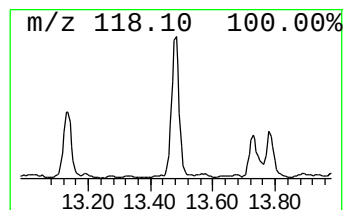
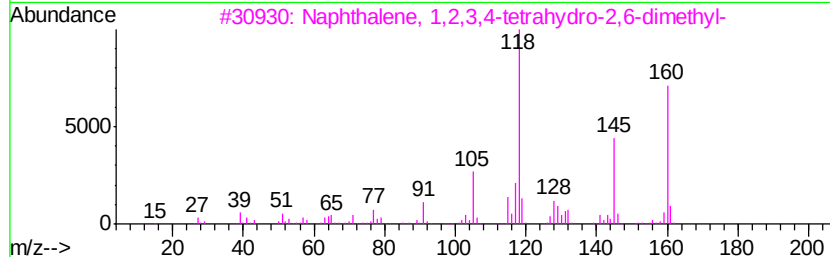
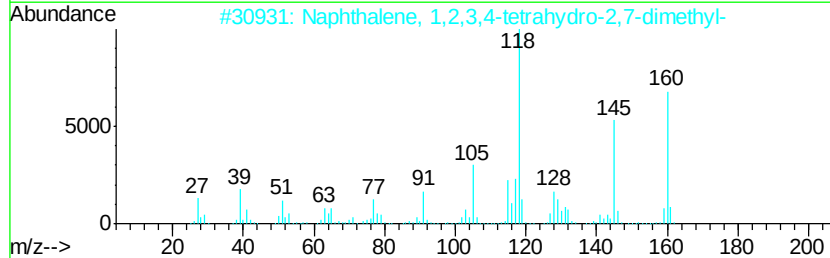
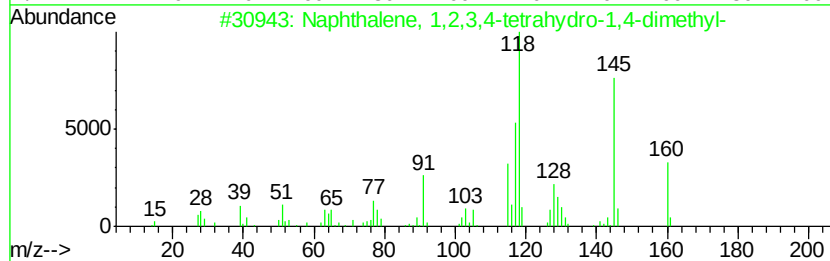
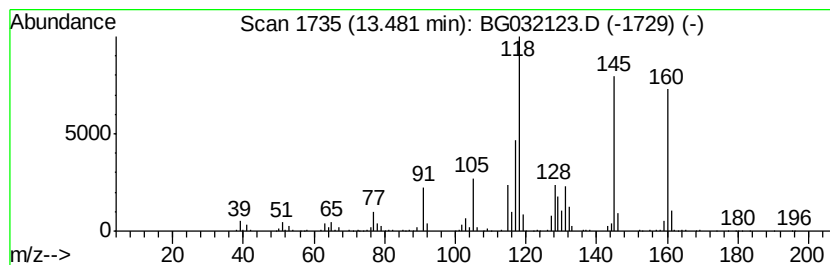
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphthalene, 1,2,3,4-tetra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	67.18 ng	1317030	Naphthalene-d8	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	91
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	81
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	72
4		Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	70
5		1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	49



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032123.D
Acq On : 18 Jan 2018 5:13
Operator : SJ/JU
Sample : J1144-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DS-5

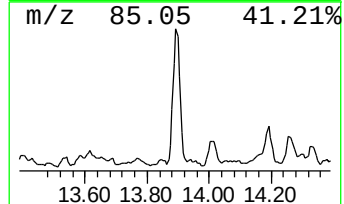
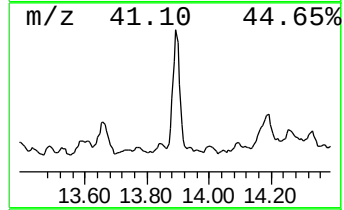
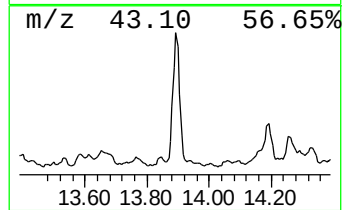
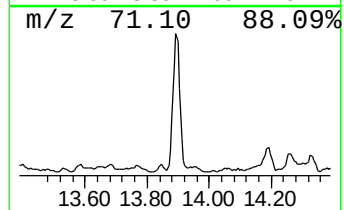
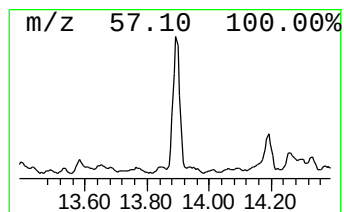
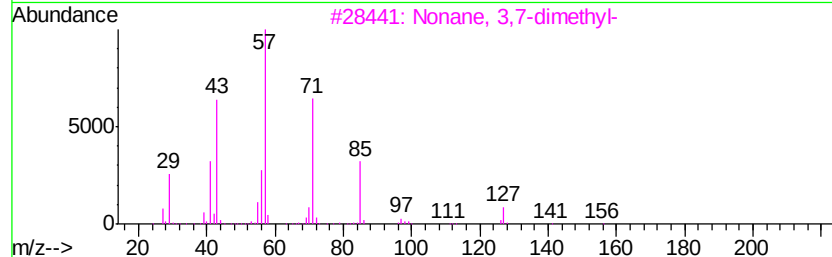
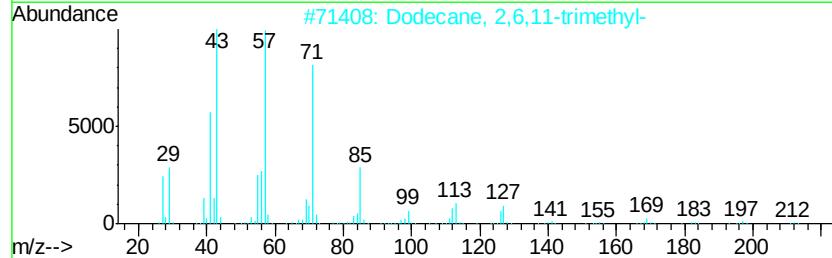
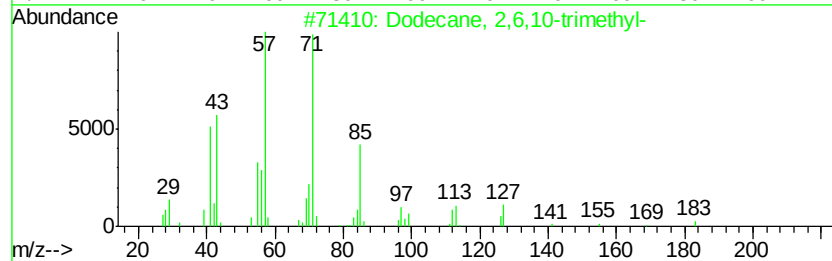
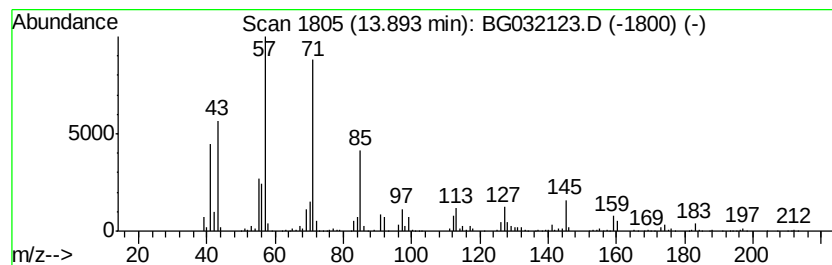
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Dodecane, 2,6,10-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	99.55 ng	2161420	Acenaphthene-d10	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
2		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	89
3		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	81
4		Oxalic acid, 2-ethylhexyl isohex...	286	C16H30O4	1000309-38-8	72
5		1-Undecene, 4-methyl-	168	C12H24	074630-39-0	72



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032123.D
Acq On : 18 Jan 2018 5:13
Operator : SJ/JU
Sample : J1144-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

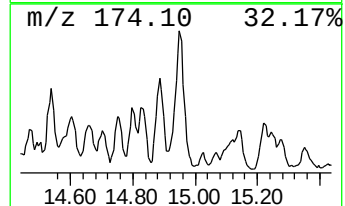
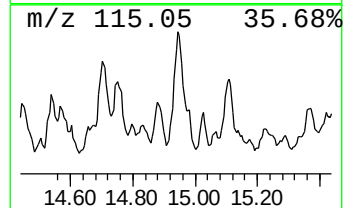
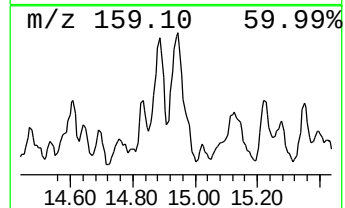
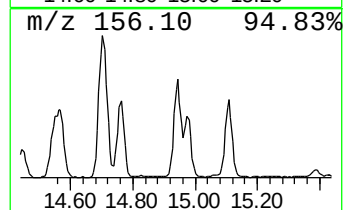
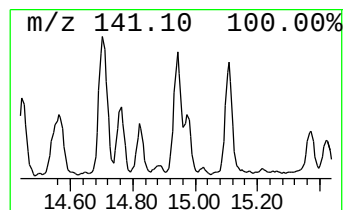
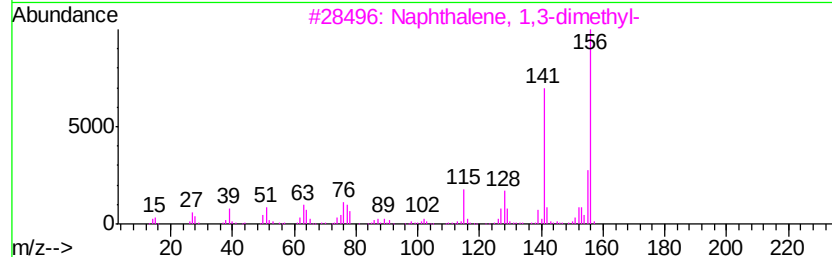
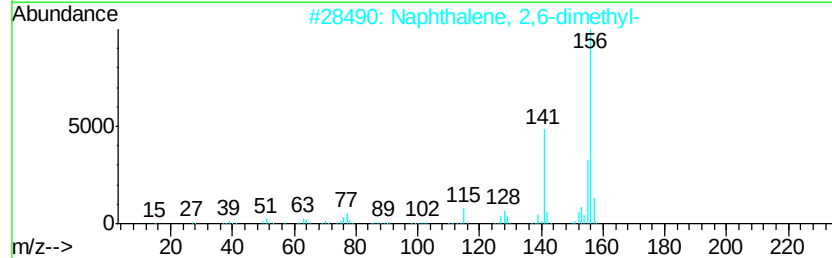
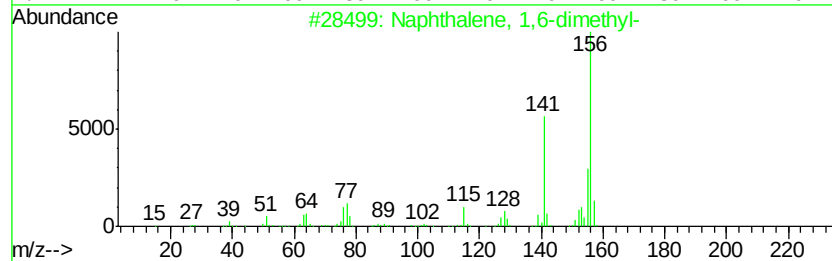
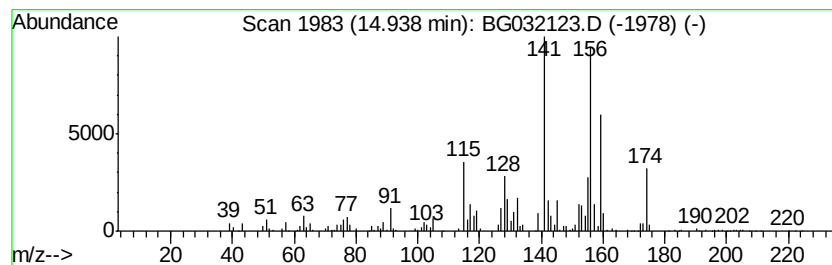
Instrument :
BNA_G
ClientSampleId :
DS-5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Naphthalene, 1,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.94	56.15 ng	1219240	Acenaphthene-d10		15.39
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	90
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	89
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	87
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	86
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	70



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032123.D
Acq On : 18 Jan 2018 5:13
Operator : SJ/JU
Sample : J1144-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

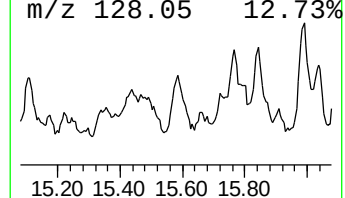
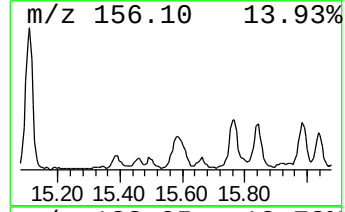
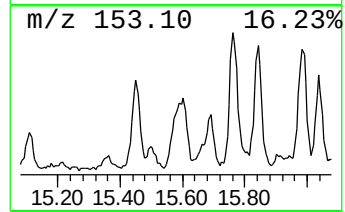
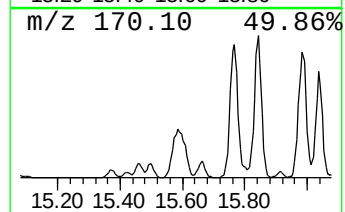
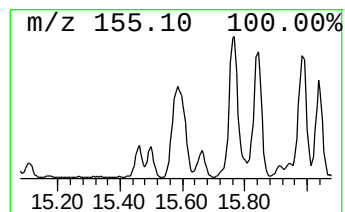
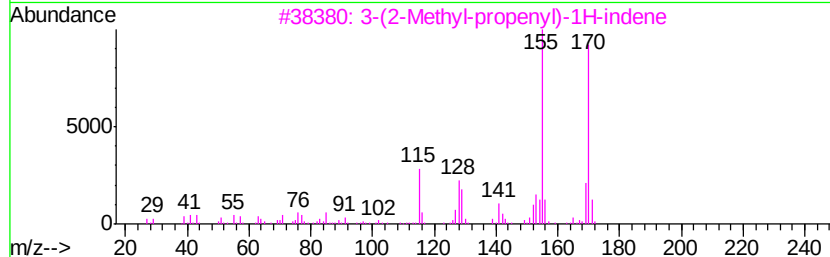
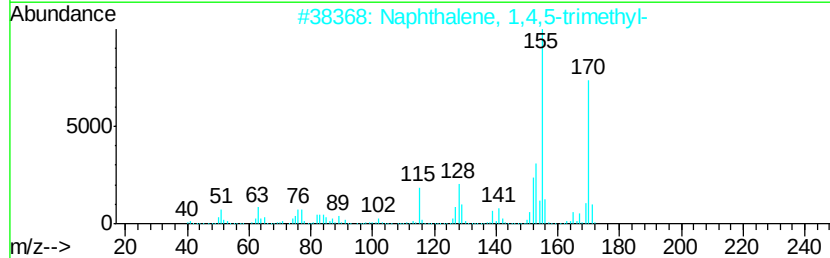
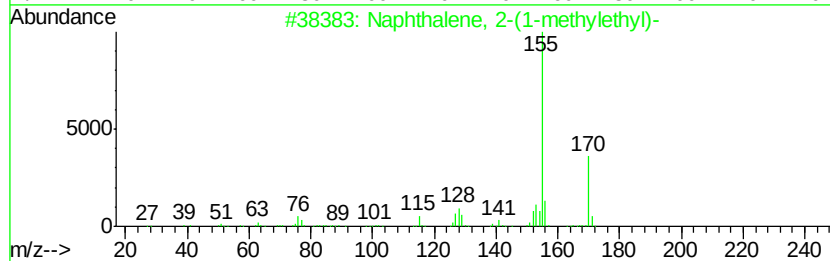
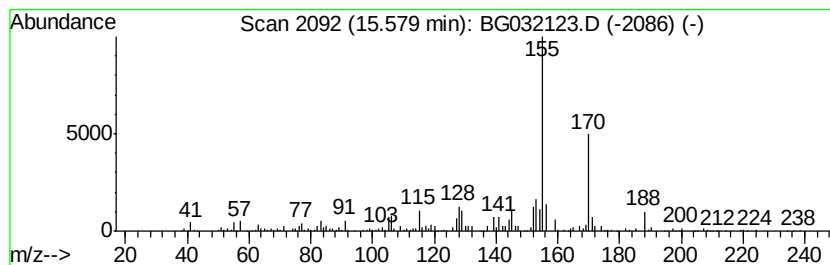
Instrument :
BNA_G
ClientSampleId :
DS-5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Naphthalene, 2-(1-methyleth... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	62.03 ng	1346780	Acenaphthene-d10	15.39
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2-(1-methylethyl)-	170 C13H14	002027-17-0 93
2		Naphthalene, 1,4,5-trimethyl-	170 C13H14	002131-41-1 83
3		3-(2-Methyl-propenyl)-1H-indene	170 C13H14	1000187-78-5 72
4		Naphthalene, 1,4,6-trimethyl-	170 C13H14	002131-42-2 64
5		Naphthalene, 1-(chloromethyl)-2-...	190 C12H11Cl	006626-23-9 62



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032123.D
Acq On : 18 Jan 2018 5:13
Operator : SJ/JU
Sample : J1144-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DS-5

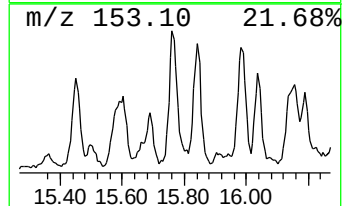
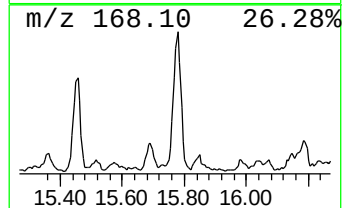
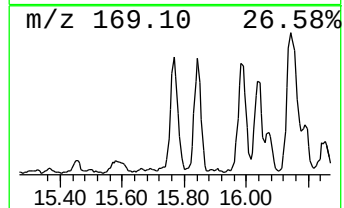
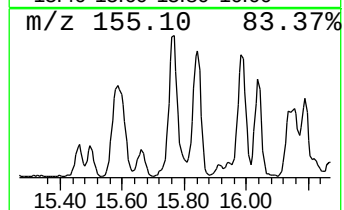
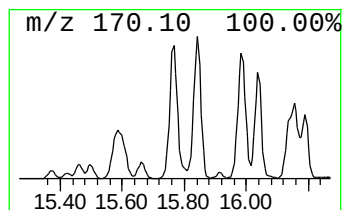
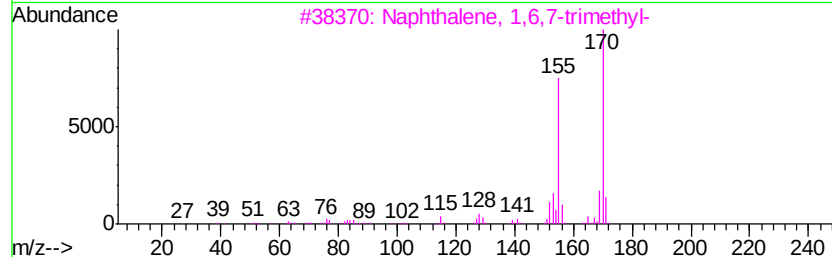
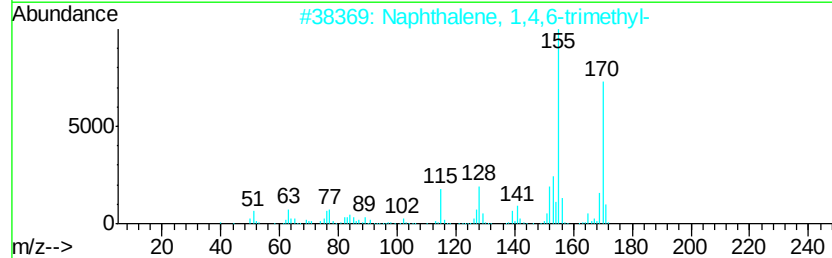
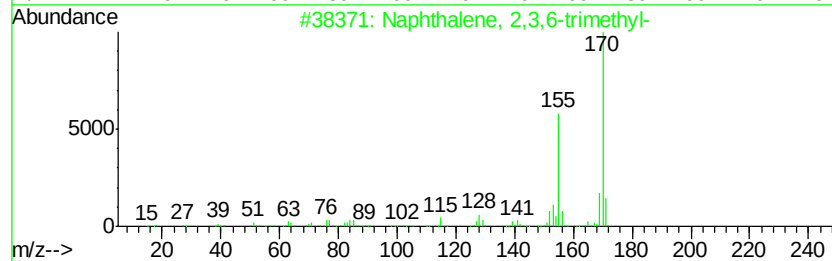
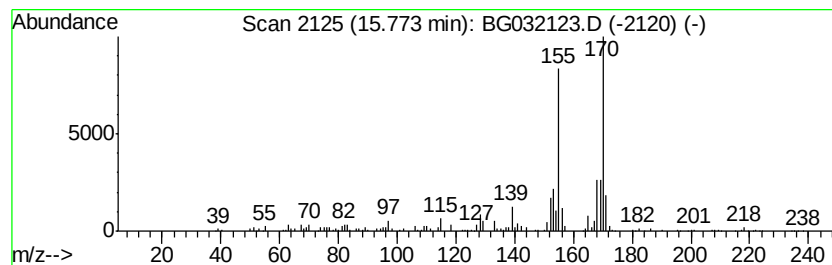
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Naphthalene, 2,3,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	49.31 ng	1070760	Acenaphthene-d10	15.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91
5			4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032123.D
Acq On : 18 Jan 2018 5:13
Operator : SJ/JU
Sample : J1144-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
DS-5

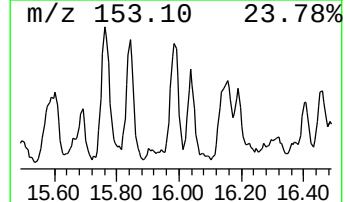
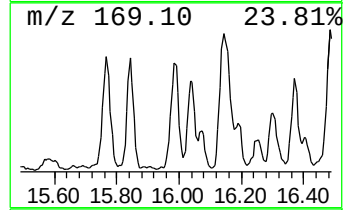
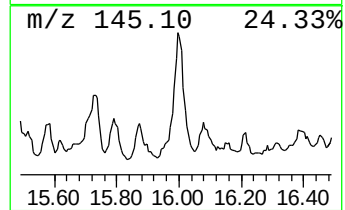
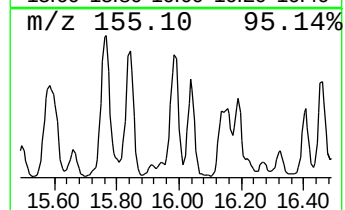
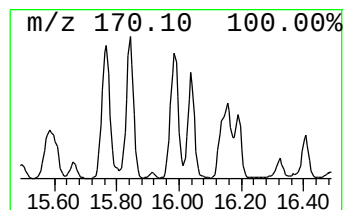
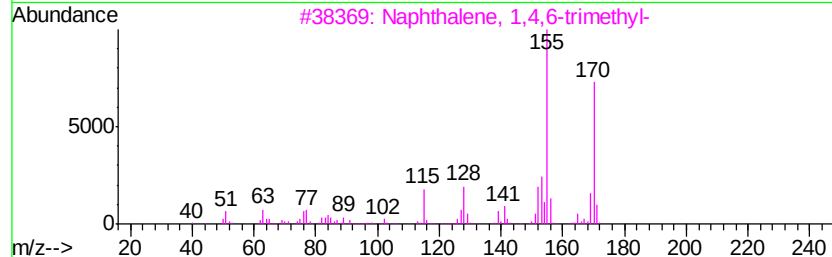
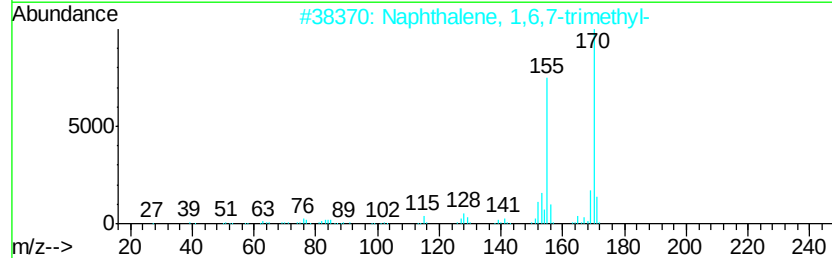
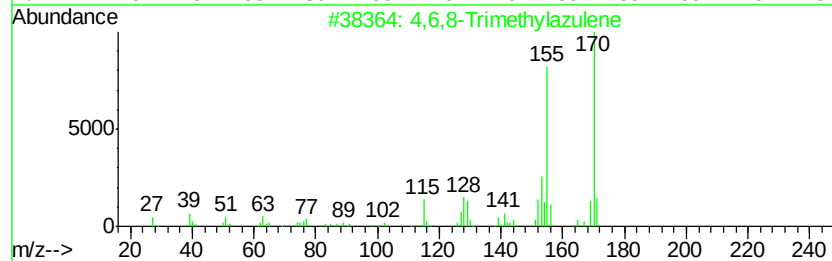
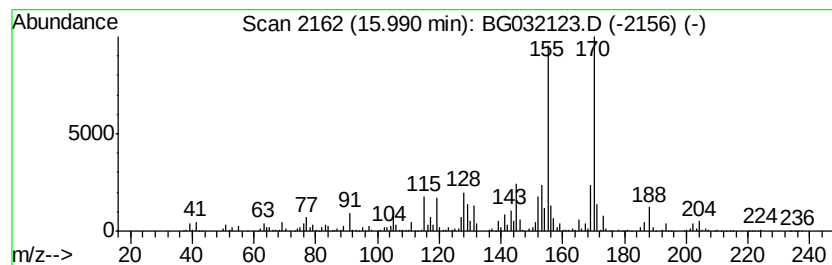
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 4,6,8-Trimethylazulene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	86.01 ng	1867450	Acenaphthene-d10	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	98
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
4		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
5		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	90



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032123.D
Acq On : 18 Jan 2018 5:13
Operator : SJ/JU
Sample : J1144-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DS-5

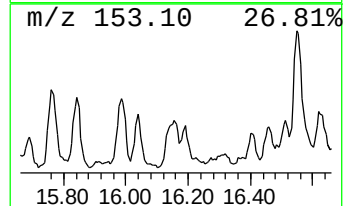
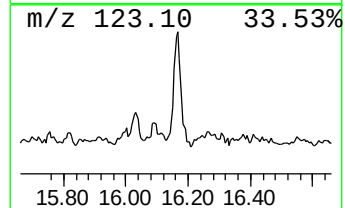
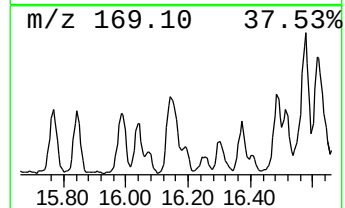
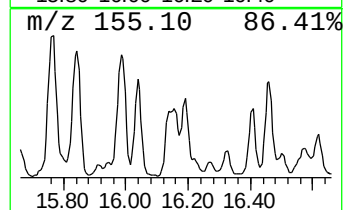
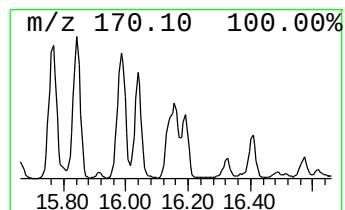
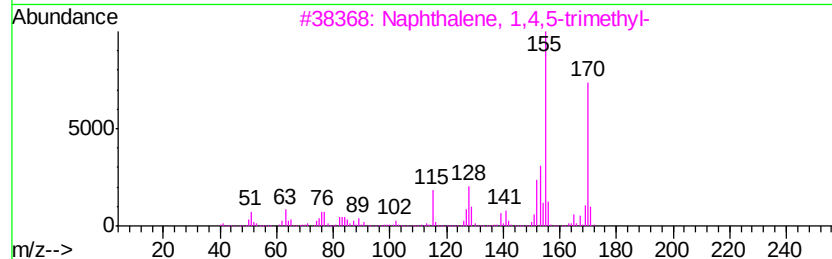
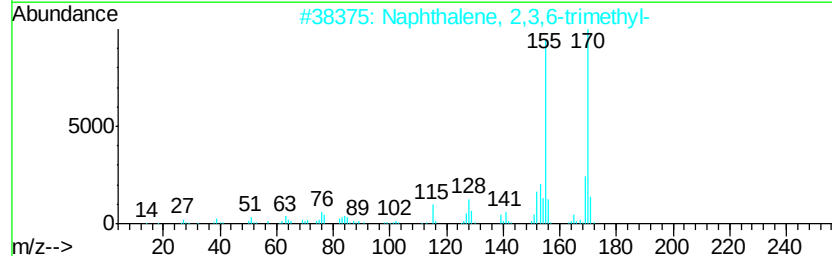
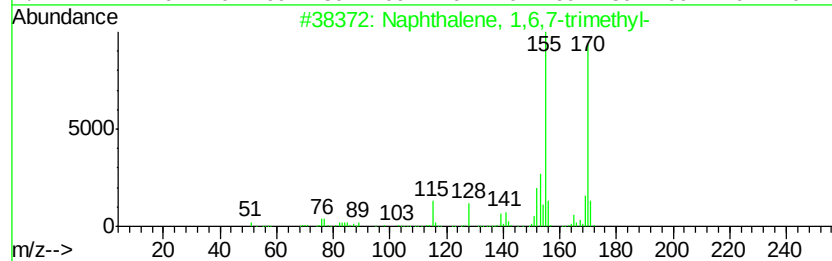
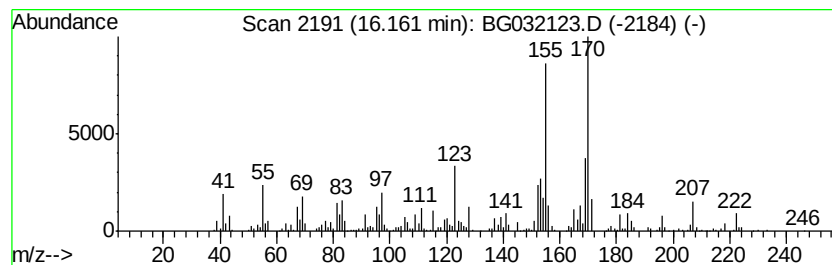
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Naphthalene, 1,6,7-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	55.61 ng	1207550	Acenaphthene-d10	15.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
2			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	89
3			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	83
4			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	76
5			4,6,8-Trimethylazulene	170	C13H14	000941-81-1	70



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032123.D
Acq On : 18 Jan 2018 5:13
Operator : SJ/JU
Sample : J1144-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DS-5

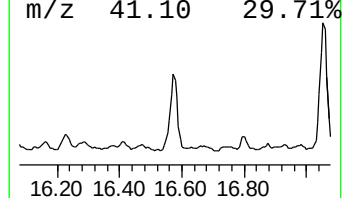
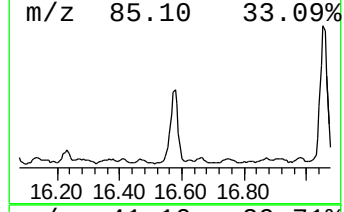
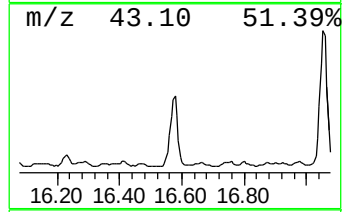
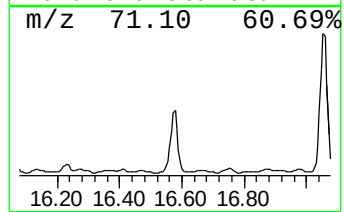
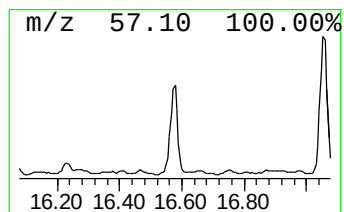
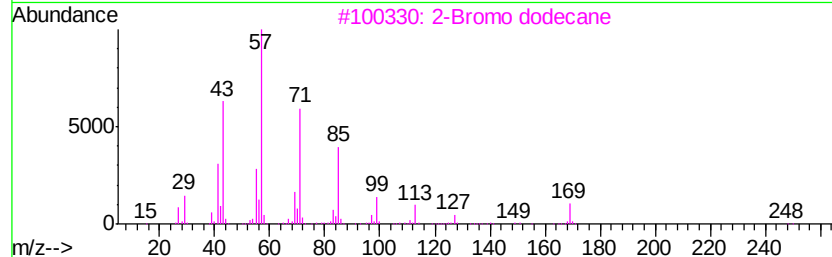
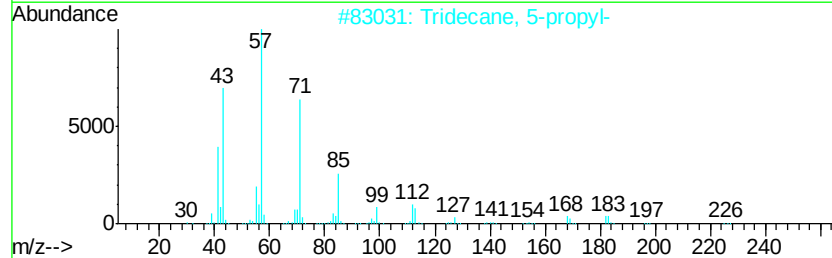
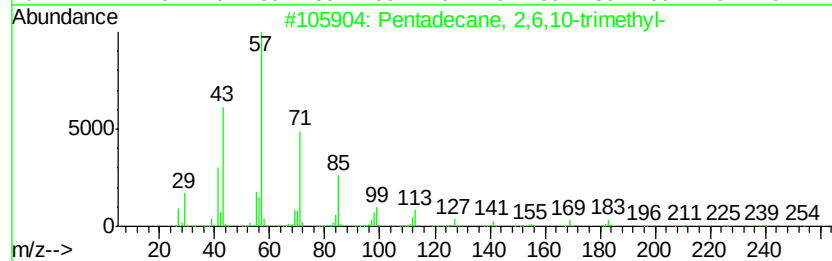
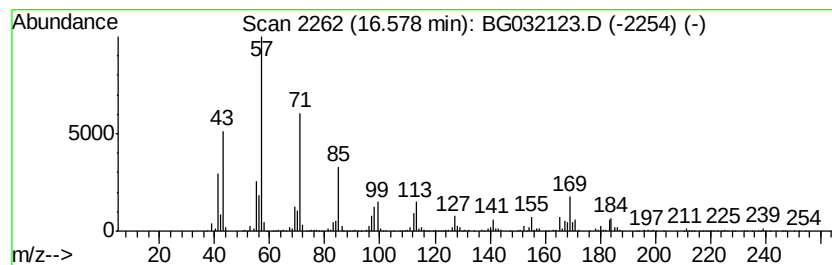
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Pentadecane, 2,6,10-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.58	190.03 ng	4126150	Acenaphthene-d10	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	93
2		Tridecane, 5-propyl-	226	C16H34	055045-11-9	90
3		2-Bromo dodecane	248	C12H25Br	013187-99-0	80
4		Decane, 2-methyl-	156	C11H24	006975-98-0	76
5		Hexadecane, 2-methyl-	240	C17H36	001560-92-5	76



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032123.D
Acq On : 18 Jan 2018 5:13
Operator : SJ/JU
Sample : J1144-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DS-5

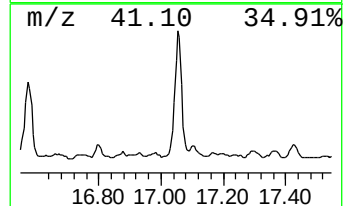
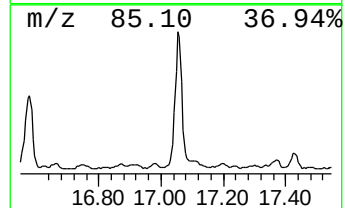
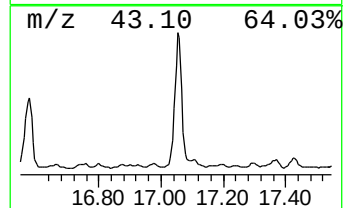
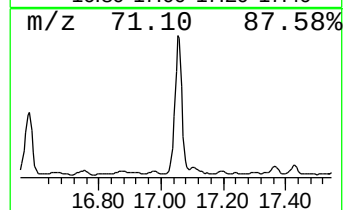
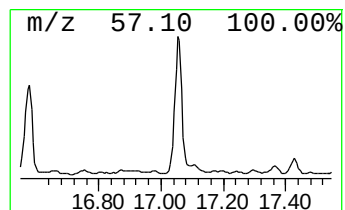
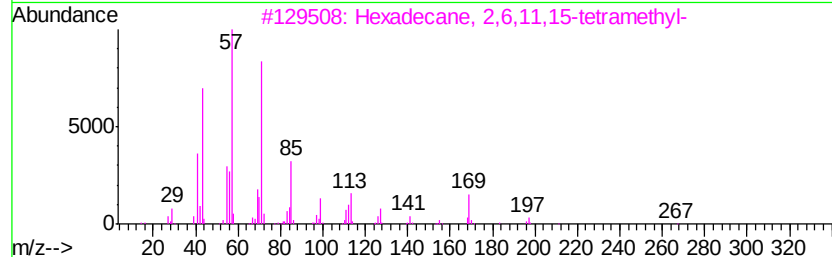
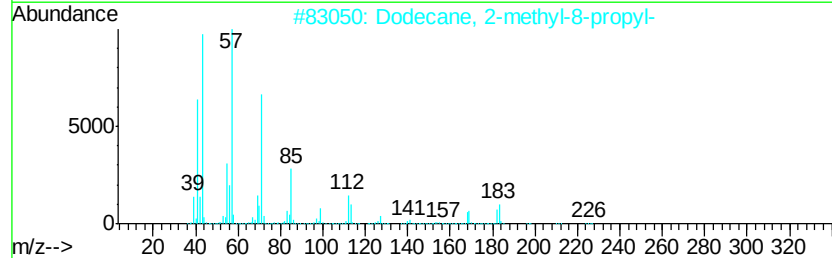
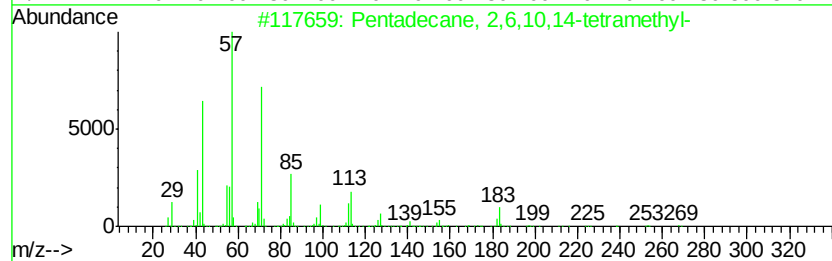
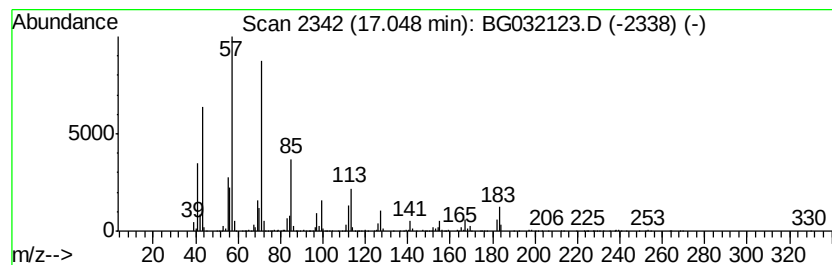
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Pentadecane, 2,6,10,14-tetr... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.05	462.64 ng	6781120	Phenanthrene-d10	18.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	91
2		Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	87
3		Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	83
4		Pentadecane, 4-methyl-	226	C16H34	002801-87-8	81
5		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	76



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032123.D
Acq On : 18 Jan 2018 5:13
Operator : SJ/JU
Sample : J1144-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DS-5

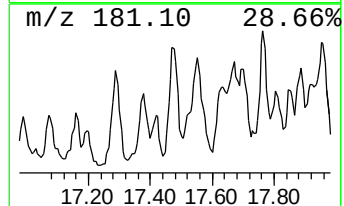
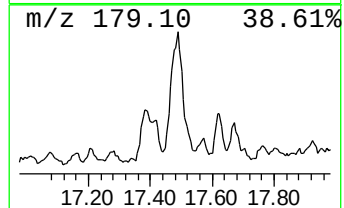
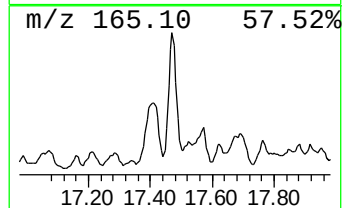
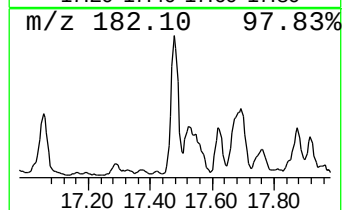
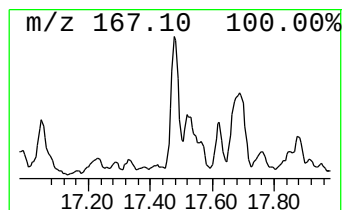
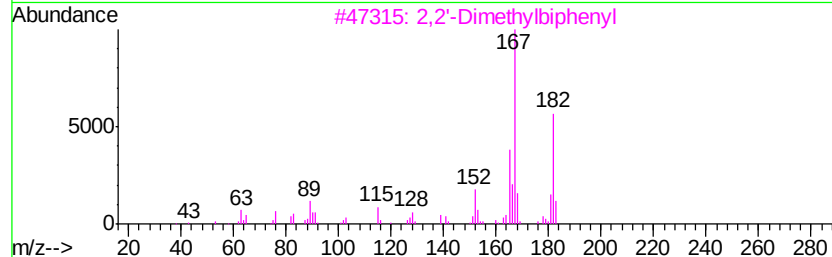
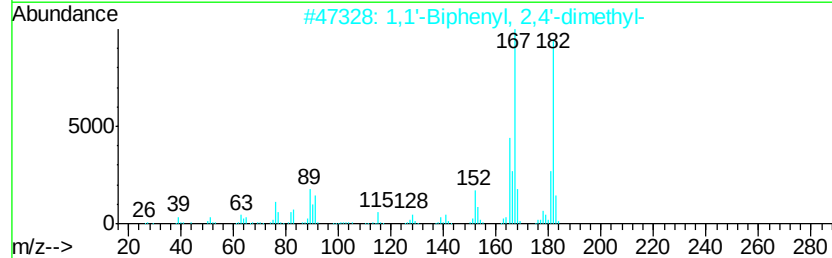
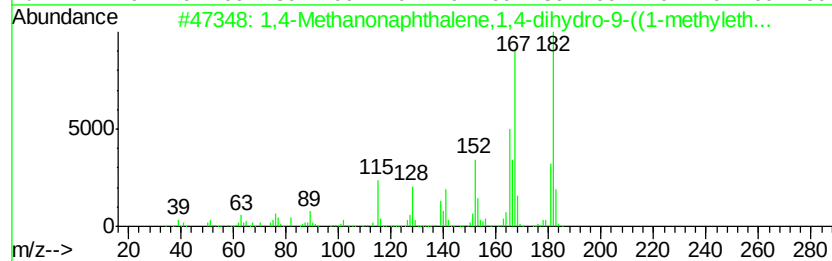
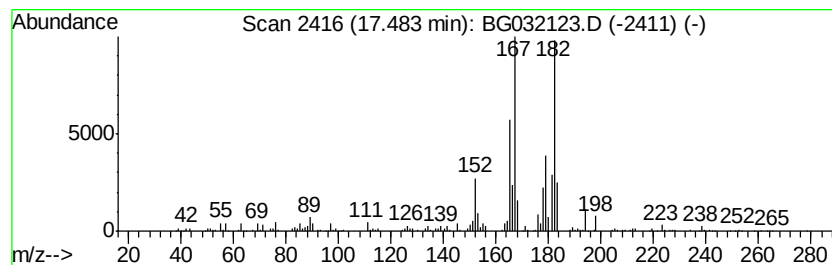
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 1,4-Methanonaphthalene,1,4-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.48	53.87 ng	789628	Phenanthrene-d10	18.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	64
2		1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	62
3		2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	58
4		4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	58
5		3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	52



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032123.D
Acq On : 18 Jan 2018 5:13
Operator : SJ/JU
Sample : J1144-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DS-5

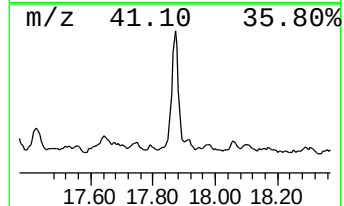
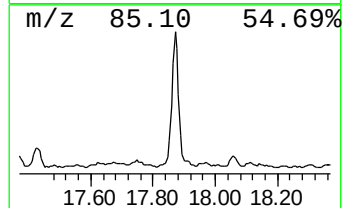
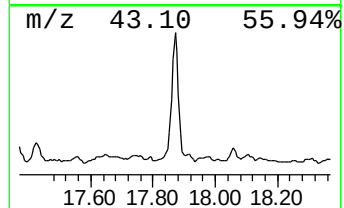
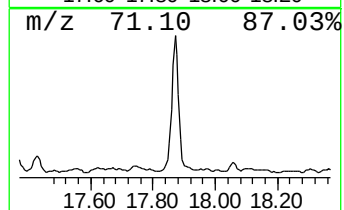
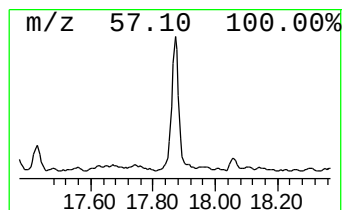
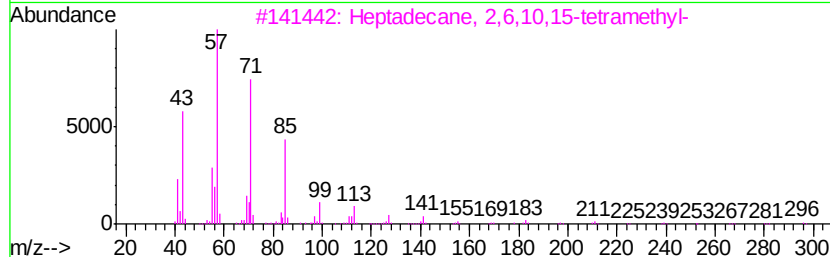
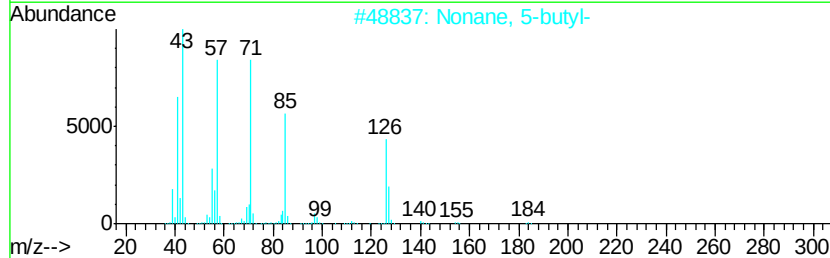
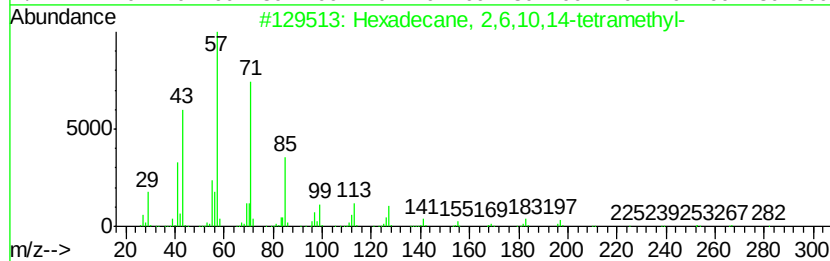
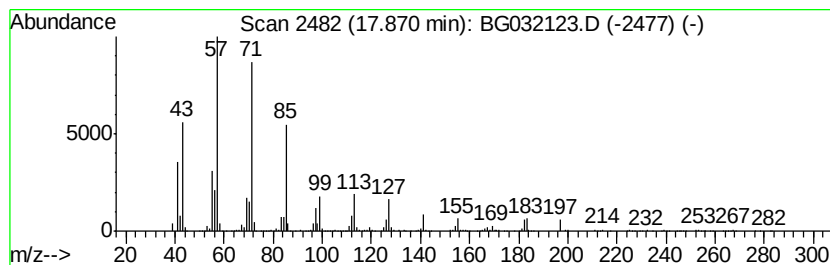
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Hexadecane, 2,6,10,14-tetra... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	204.11 ng	2991650	Phenanthrene-d10	18.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	94
2		Nonane, 5-butyl-	184	C13H28	017312-63-9	90
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
4		Hexacosane	366	C26H54	000630-01-3	90
5		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	87



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG011718\
 Data File : BG032123.D
 Acq On : 18 Jan 2018 5:13
 Operator : SJ/JU
 Sample : J1144-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DS-5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown8.26	8.26	100.5	ng	1620780	1	8.75	322562	20.0
Benzene, 4-ethyl-...	9.87	52.7	ng	849410	1	8.75	322562	20.0
Undecane, 2,6-dim...	11.74	91.1	ng	1786170	2	11.63	392061	20.0
Naphthalene, 1,2,...	12.09	53.8	ng	1054830	2	11.63	392061	20.0
Cyclohexane, (cyc...	12.29	80.1	ng	1570720	2	11.63	392061	20.0
Octane, 2,6-dimet...	12.58	59.7	ng	1169830	2	11.63	392061	20.0
unknown12.79	12.79	58.3	ng	1142400	2	11.63	392061	20.0
Naphthalene, 1,2,...	13.48	67.2	ng	1317030	2	11.63	392061	20.0
Dodecane, 2,6,10-...	13.89	99.5	ng	2161420	3	15.39	434257	20.0
Naphthalene, 1,6-...	14.94	56.1	ng	1219240	3	15.39	434257	20.0
Naphthalene, 2-(1...	15.58	62.0	ng	1346780	3	15.39	434257	20.0
Naphthalene, 2,3,...	15.77	49.3	ng	1070760	3	15.39	434257	20.0
4,6,8-Trimethylaz...	15.99	86.0	ng	1867450	3	15.39	434257	20.0
Naphthalene, 1,6,...	16.16	55.6	ng	1207550	3	15.39	434257	20.0
Pentadecane, 2,6,...	16.58	190.0	ng	4126150	3	15.39	434257	20.0
Pentadecane, 2,6,...	17.05	462.6	ng	6781120	4	18.12	293147	20.0
1,4-Methanonaphth...	17.48	53.9	ng	789628	4	18.12	293147	20.0
Hexadecane, 2,6,1...	17.87	204.1	ng	2991650	4	18.12	293147	20.0