

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020618\
 Data File : BF102783.D
 Acq On : 6 Feb 2018 14:51
 Operator : SJ/JU
 Sample : J1454-16
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-10-EW(2-4)

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_F\METHODS\8270-BF020318.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	5.110	508	514	520	rVV2	1560123	1988340	11.22%	0.529%
2	5.304	542	547	551	rBV2	1165952	1577038	8.90%	0.420%
3	5.487	570	578	579	rBV	3384742	4808702	27.14%	1.280%
4	5.504	579	581	584	rVV2	5288579	4869291	27.48%	1.296%
5	5.587	591	595	600	rBV	1132236	1219441	6.88%	0.325%
6	5.663	604	608	613	rVV3	1805498	3050423	17.22%	0.812%
7	5.710	613	616	618	rVV	2168584	1974053	11.14%	0.525%
8	5.751	618	623	629	rVV4	1654707	2920221	16.48%	0.777%
9	5.816	629	634	638	rVB	1954528	1870802	10.56%	0.498%
10	5.916	644	651	654	rBV3	3690192	6183345	34.90%	1.645%
11	5.963	654	659	662	rBV4	2258061	3713488	20.96%	0.988%
12	6.051	670	674	678	rVB5	4234150	6281250	35.45%	1.671%
13	6.093	678	681	684	rBV3	2547313	3795188	21.42%	1.010%
14	6.146	684	690	697	rVV3	7535860	14315826	80.80%	3.810%
15	6.210	697	701	703	rVV	6868448	8273512	46.70%	2.202%
16	6.240	703	706	708	rVV3	2013291	2611244	14.74%	0.695%
17	6.269	708	711	712	rVB	1586010	1259808	7.11%	0.335%
18	6.340	717	723	726	rBV2	6620160	10512103	59.33%	2.797%
19	6.375	726	729	730	rBV3	1514679	1432123	8.08%	0.381%
20	6.399	730	733	735	rVB	5734836	5605992	31.64%	1.492%
21	6.440	735	740	747	rBV3	8441947	17717960	100.00%	4.715%
22	6.516	747	753	756	rBV3	4570834	7062684	39.86%	1.879%
23	6.551	756	759	760	rBV2	2618202	2269016	12.81%	0.604%
24	6.575	760	763	765	rVB	3525717	3396049	19.17%	0.904%
25	6.598	765	767	769	rVB	2610977	2012988	11.36%	0.536%
26	6.651	769	776	780	rBV5	5526969	14969033	84.49%	3.983%
27	6.740	786	791	792	rBV3	3358338	5483410	30.95%	1.459%
28	6.757	792	794	797	rVB2	4311384	4026027	22.72%	1.071%
29	6.787	797	799	800	rBV2	1654409	1336410	7.54%	0.356%
30	6.863	800	812	814	rVV7	4498582	13983262	78.92%	3.721%
31	6.887	814	816	817	rVV	4722369	4773569	26.94%	1.270%
32	6.922	818	822	825	rVV	7548933	12521332	70.67%	3.332%
33	6.957	825	828	831	rVV2	4242249	5830790	32.91%	1.552%
34	7.016	831	838	840	rVV3	4551169	10885463	61.44%	2.897%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020618\
 Data File : BF102783.D
 Acq On : 6 Feb 2018 14:51
 Operator : SJ/JU
 Sample : J1454-16
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-10-EW(2-4)

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_F\METHODS\8270-BF020318.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.051	840	844	847	rVV4	6578730	11485141	64.82%	3.056%
36	7.087	847	850	852	rVV2	3741244	4466897	25.21%	1.189%
37	7.128	855	857	859	rVV2	3629352	3551833	20.05%	0.945%
38	7.175	861	865	868	rVB3	5599466	7485123	42.25%	1.992%
39	7.245	873	877	879	rBV3	1786510	1684396	9.51%	0.448%
40	7.298	879	886	888	rBV5	3961198	6462829	36.48%	1.720%
41	7.322	888	890	895	rVB4	3207272	4193543	23.67%	1.116%
42	7.369	895	898	903	rBV5	1499870	3034710	17.13%	0.808%
43	7.428	903	908	911	rBV4	4496911	7918840	44.69%	2.107%
44	7.540	922	927	930	rBV4	4171660	7343582	41.45%	1.954%
45	7.598	930	937	939	rBV3	3238861	6350140	35.84%	1.690%
46	7.640	939	944	946	rVV4	1458062	2526755	14.26%	0.672%
47	7.669	946	949	951	rVV2	3158577	3842948	21.69%	1.023%
48	7.704	953	955	957	rVB2	1885059	1392411	7.86%	0.371%
49	7.769	963	966	968	rBV2	1617474	1816031	10.25%	0.483%
50	7.793	968	970	972	rVV	3366654	2926839	16.52%	0.779%
51	7.816	972	974	977	rVV4	3414673	3537516	19.97%	0.941%
52	7.845	977	979	983	rVB2	1593902	1576613	8.90%	0.420%
53	7.910	987	990	996	rVB2	2876169	3860225	21.79%	1.027%
54	7.987	1000	1003	1009	rVB6	1356760	1939568	10.95%	0.516%
55	8.045	1009	1013	1015	rBV3	1600772	1888800	10.66%	0.503%
56	8.069	1015	1017	1020	rBV3	751957	790823	4.46%	0.210%
57	8.169	1028	1034	1037	rVV5	1923665	4086293	23.06%	1.087%
58	8.228	1040	1044	1046	rVB2	4771928	5091499	28.74%	1.355%
59	8.257	1046	1049	1051	rBV3	1637859	1593017	8.99%	0.424%
60	8.322	1057	1060	1062	rBV2	777484	849945	4.80%	0.226%
61	8.345	1062	1064	1066	rVV	819924	814887	4.60%	0.217%
62	8.375	1066	1069	1075	rVB3	1516863	1722755	9.72%	0.458%
63	8.457	1079	1083	1087	rVB3	1917529	2133688	12.04%	0.568%
64	8.551	1096	1099	1102	rVB4	844949	830396	4.69%	0.221%
65	8.587	1102	1105	1107	rBV	3557351	2927539	16.52%	0.779%
66	8.710	1122	1126	1128	rBV5	1093599	1217049	6.87%	0.324%
67	8.851	1147	1150	1153	rVB2	1471931	1642397	9.27%	0.437%
68	8.945	1163	1166	1168	rBV3	778316	1001998	5.66%	0.267%
69	9.075	1185	1188	1191	rVB2	1141716	1156474	6.53%	0.308%
70	9.187	1204	1207	1212	rVB	3511825	3142004	17.73%	0.836%
71	9.245	1213	1217	1221	rVB	3574941	3674918	20.74%	0.978%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020618\
 Data File : BF102783.D
 Acq On : 6 Feb 2018 14:51
 Operator : SJ/JU
 Sample : J1454-16
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-10-EW(2-4)

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_F\METHODS\8270-BF020318.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.328	1226	1231	1235	rBV4	1648876	2397350	13.53%	0.638%
73	9.510	1258	1262	1265	rVB2	676669	806946	4.55%	0.215%
74	9.639	1280	1284	1287	rVB3	3387010	3830573	21.62%	1.019%
75	9.792	1306	1310	1312	rBV3	825471	977304	5.52%	0.260%
76	9.834	1312	1317	1324	rVV4	803529	1677386	9.47%	0.446%
77	9.922	1330	1332	1335	rVB	1544326	1421977	8.03%	0.378%
78	9.957	1335	1338	1341	rBV2	1425225	1196323	6.75%	0.318%
79	10.028	1347	1350	1354	rBV3	628584	875639	4.94%	0.233%
80	10.169	1371	1374	1382	rVB3	1331139	2231462	12.59%	0.594%
81	10.239	1383	1386	1388	rBV	1022022	981265	5.54%	0.261%
82	10.334	1398	1402	1403	rBV2	744140	915275	5.17%	0.244%
83	10.475	1422	1426	1431	rVB3	1151315	1310627	7.40%	0.349%
84	10.569	1438	1442	1447	rVB	2480773	3059422	17.27%	0.814%
85	10.716	1464	1467	1471	rVB	1570927	1387791	7.83%	0.369%
86	10.839	1483	1488	1491	rBV	3803279	4078899	23.02%	1.085%
87	11.304	1564	1567	1573	rVB2	2634417	2938817	16.59%	0.782%
88	11.416	1583	1586	1587	rBV	1116250	1136669	6.42%	0.302%
89	11.445	1587	1591	1594	rVV	4595082	5117711	28.88%	1.362%
90	11.492	1596	1599	1601	rVB	1410514	1107781	6.25%	0.295%
91	11.645	1622	1625	1630	rVB2	972936	1256882	7.09%	0.334%
92	11.916	1668	1671	1673	rBV	829690	786038	4.44%	0.209%
93	11.945	1673	1676	1679	rVB	1196278	1225333	6.92%	0.326%
94	12.028	1687	1690	1693	rBV2	1255290	1323043	7.47%	0.352%
95	12.651	1791	1796	1798	rVV	4232024	5181178	29.24%	1.379%
96	12.869	1827	1833	1837	rBV2	3458556	5377233	30.35%	1.431%
97	12.998	1850	1855	1858	rBV2	1776326	2293872	12.95%	0.610%
98	13.186	1885	1887	1891	rVB	971381	887504	5.01%	0.236%
99	14.057	2032	2035	2038	rBV2	1411970	1811299	10.22%	0.482%
100	14.092	2039	2041	2048	rVB	1604032	1707961	9.64%	0.454%

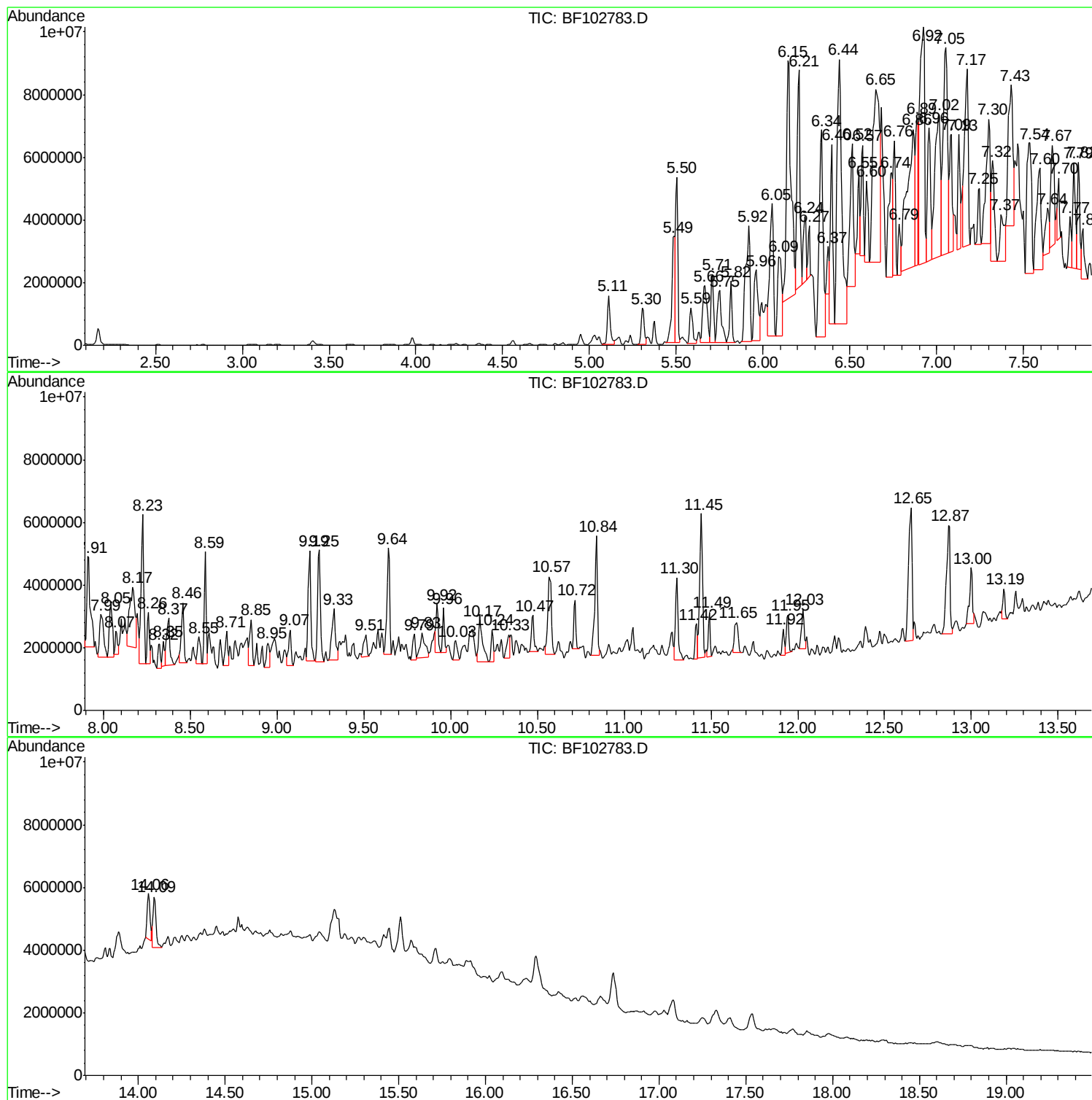
Sum of corrected areas: 375790165

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020618\
Data File : BF102783.D
Acq On : 6 Feb 2018 14:51
Operator : SJ/JU
Sample : J1454-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020618\
Data File : BF102783.D
Acq On : 6 Feb 2018 14:51
Operator : SJ/JU
Sample : J1454-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)

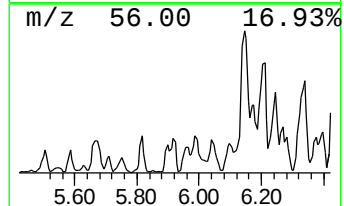
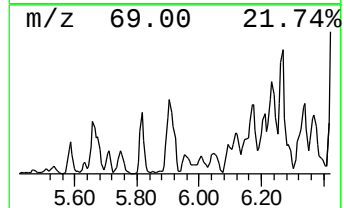
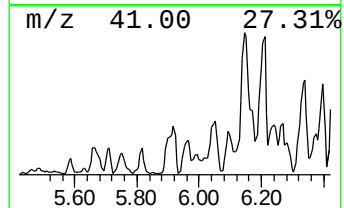
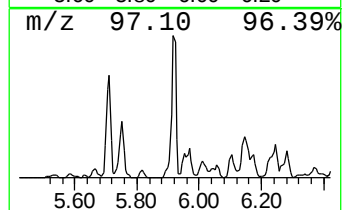
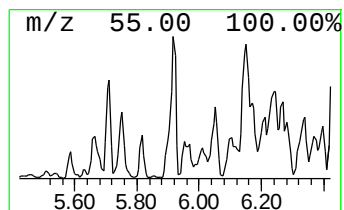
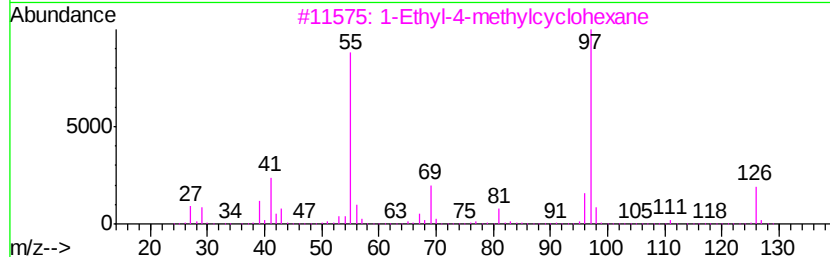
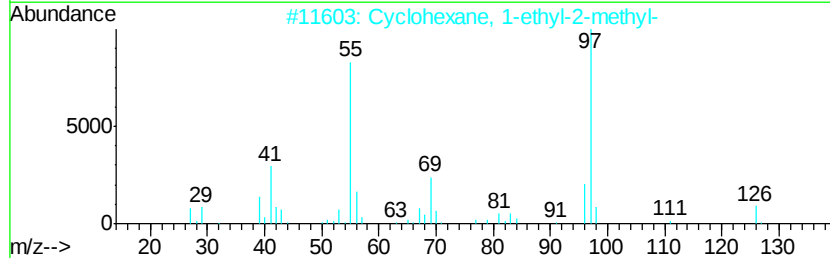
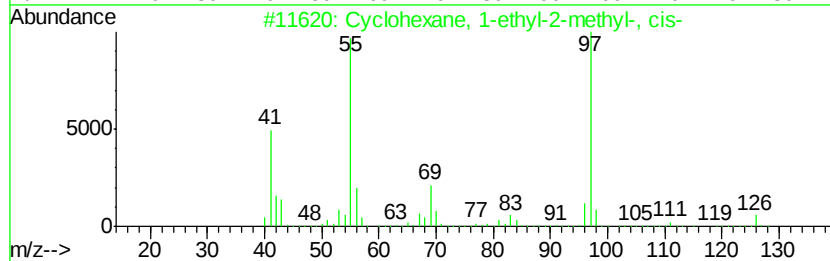
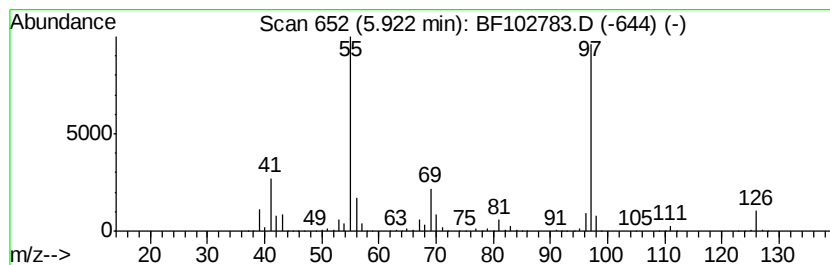
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.92	25.91 ng	6183350	1,4-Dichlorobenzene-d4	6.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	90
2		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	87
3		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	80
4		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	80
5		Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020618\
Data File : BF102783.D
Acq On : 6 Feb 2018 14:51
Operator : SJ/JU
Sample : J1454-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)

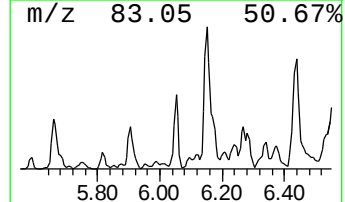
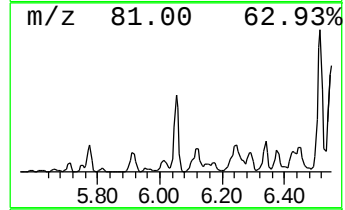
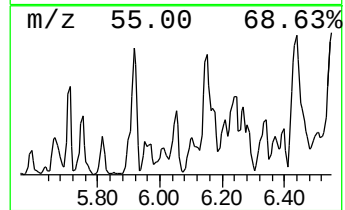
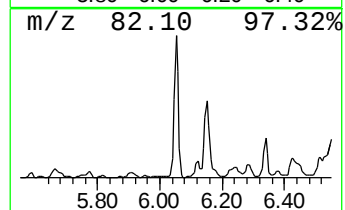
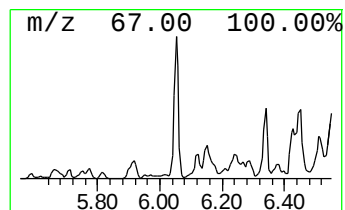
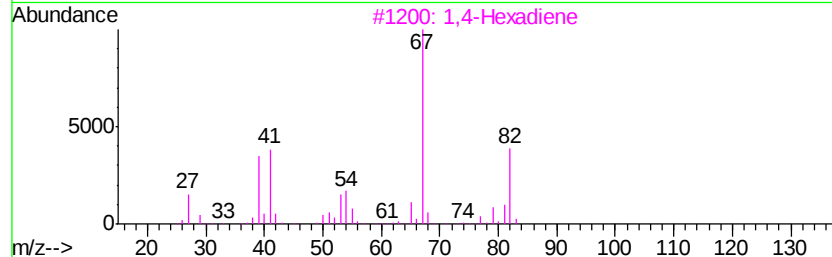
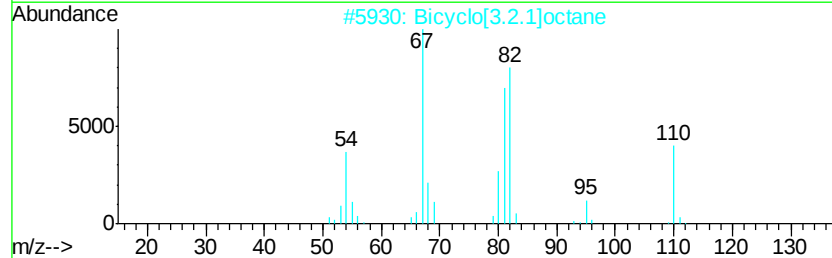
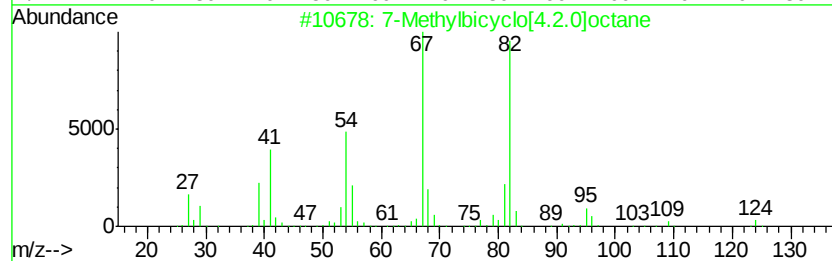
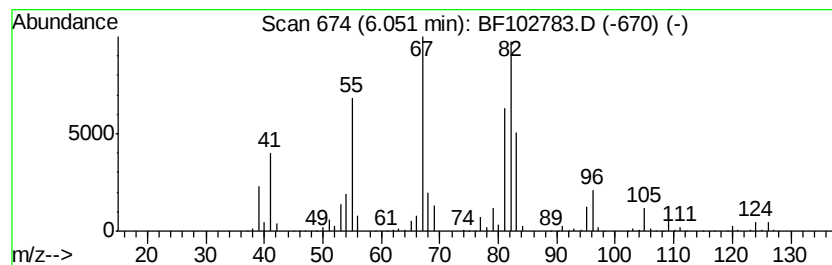
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 7-Methylbicyclo[4.2.0]octane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	26.32 ng	6281250	1,4-Dichlorobenzene-d4	6.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7-Methylbicyclo[4.2.0]octane	124	C9H16	1000210-90-2	76
2		Bicyclo[3.2.1]octane	110	C8H14	006221-55-2	58
3		1,4-Hexadiene	82	C6H10	000592-45-0	49
4		Cyclopentane, methylene-	82	C6H10	001528-30-9	49
5		C2H5CH=CHCH=CH2	82	C6H10	000592-48-3	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020618\
Data File : BF102783.D
Acq On : 6 Feb 2018 14:51
Operator : SJ/JU
Sample : J1454-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)

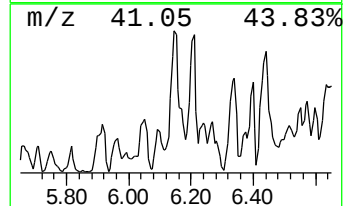
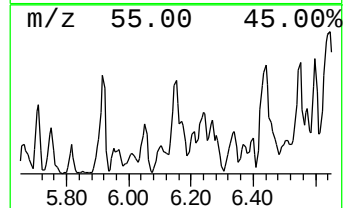
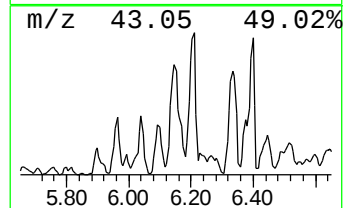
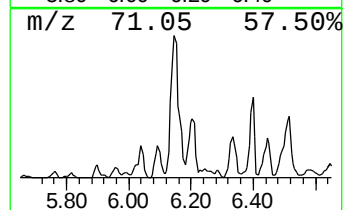
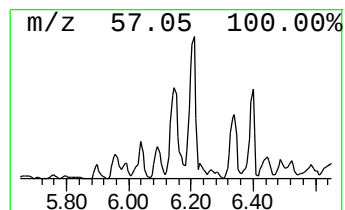
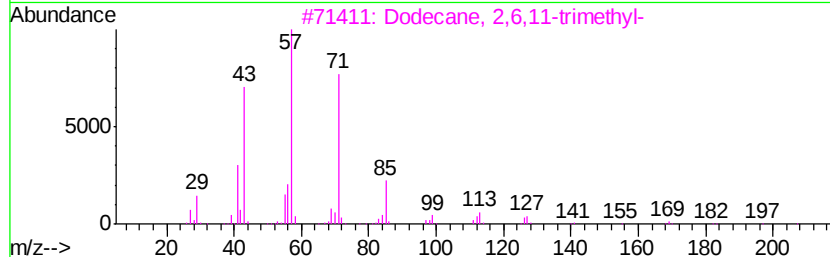
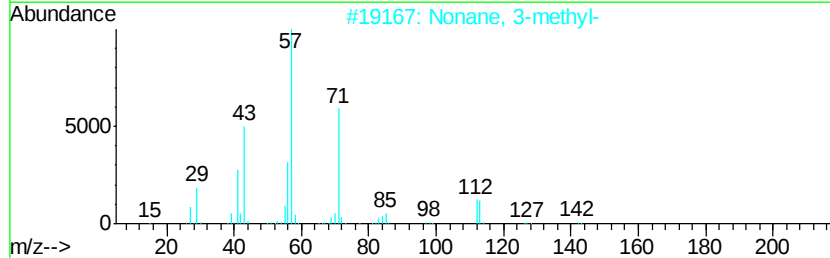
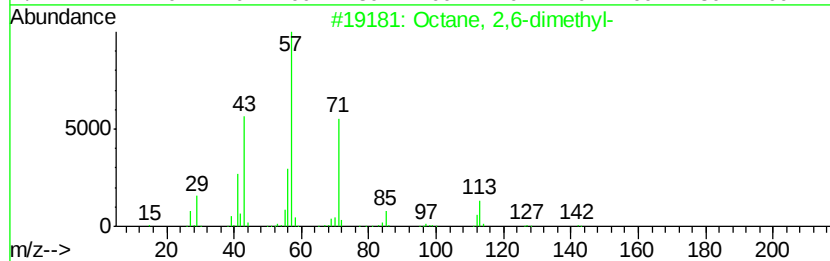
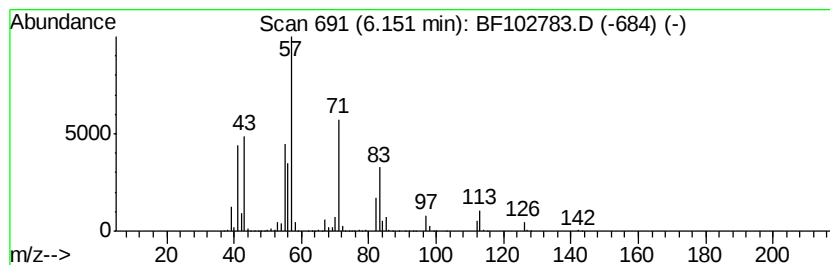
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Octane, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.15	59.98 ng	14315800	1,4-Dichlorobenzene-d4	6.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	68
2		Nonane, 3-methyl-	142	C10H22	005911-04-6	59
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59
4		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	59
5		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020618\
Data File : BF102783.D
Acq On : 6 Feb 2018 14:51
Operator : SJ/JU
Sample : J1454-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)

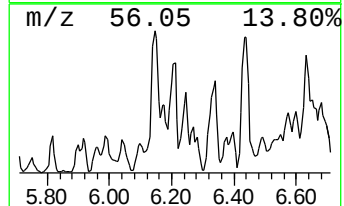
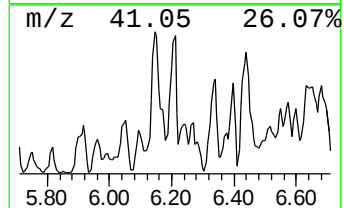
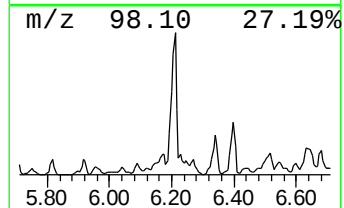
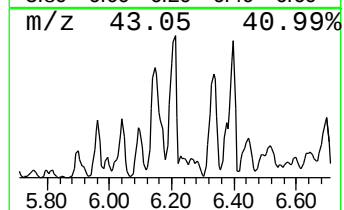
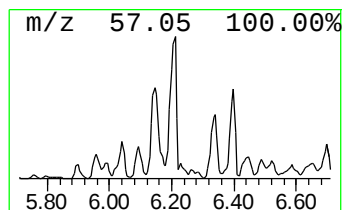
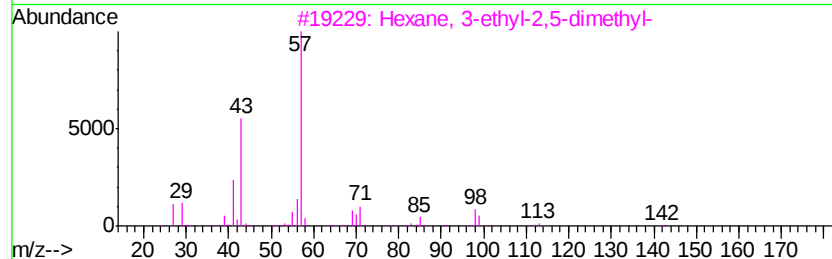
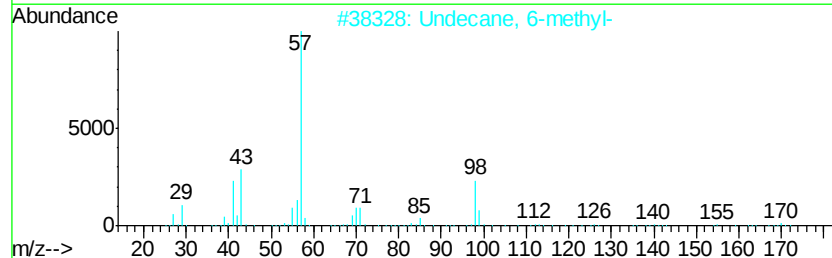
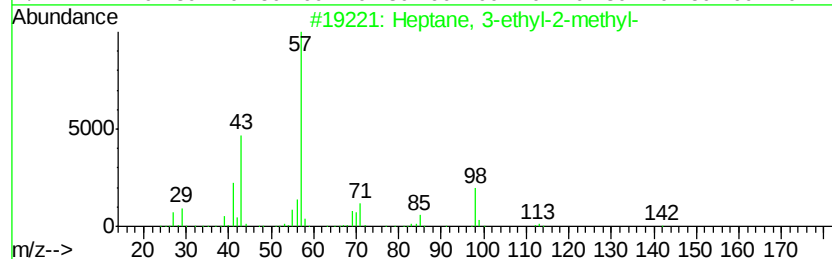
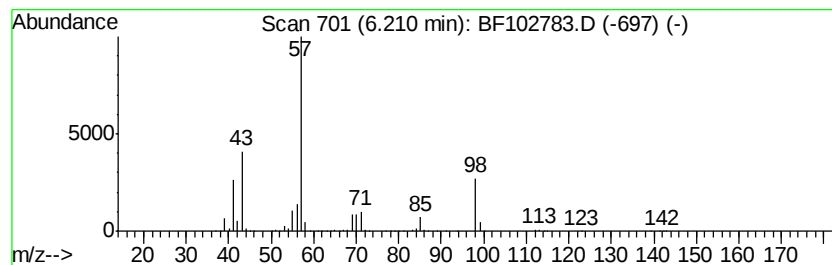
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Heptane, 3-ethyl-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.21	34.66 ng	8273510	1,4-Dichlorobenzene-d4	6.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	80
2		Undecane, 6-methyl-	170	C12H26	017302-33-9	78
3		Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	76
4		Heptane, 4-propyl-	142	C10H22	003178-29-8	72
5		Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020618\
Data File : BF102783.D
Acq On : 6 Feb 2018 14:51
Operator : SJ/JU
Sample : J1454-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)

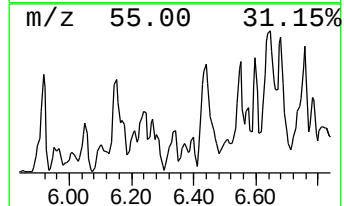
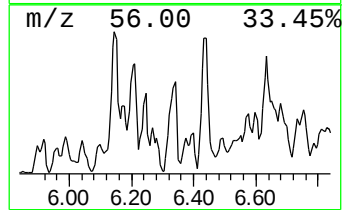
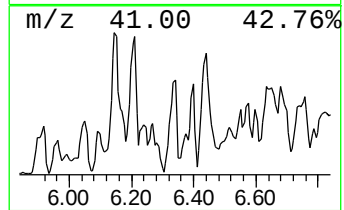
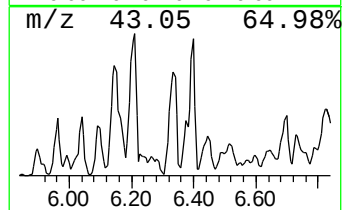
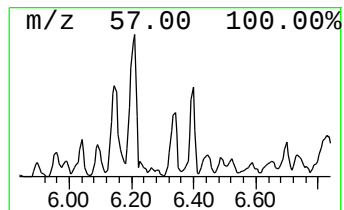
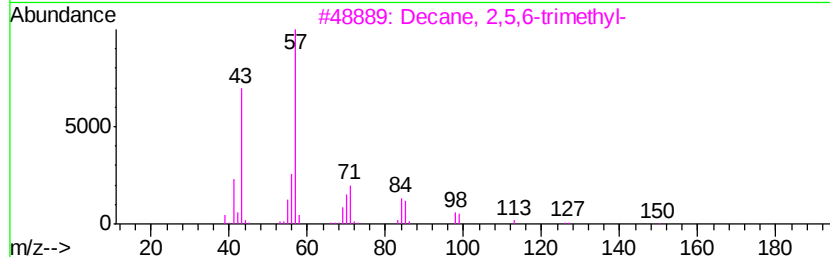
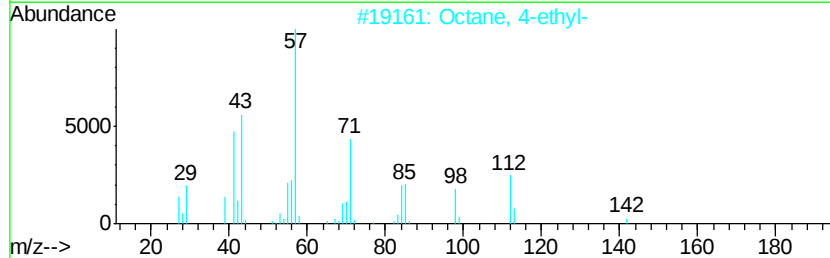
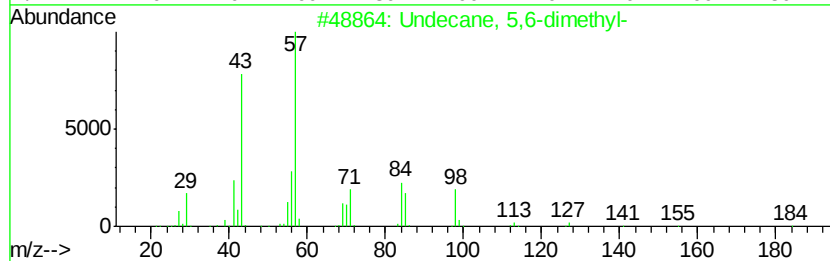
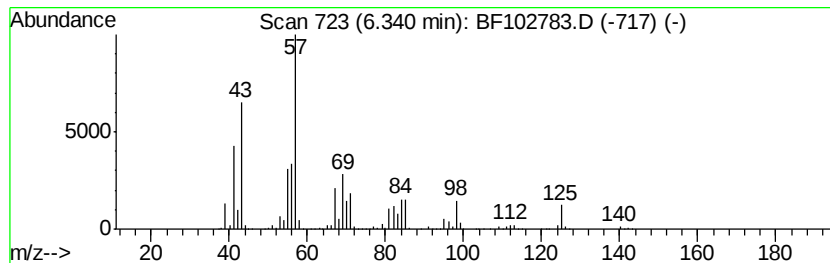
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Undecane, 5,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.34	44.04 ng	10512100	1,4-Dichlorobenzene-d4	6.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	50
2		Octane, 4-ethyl-	142	C10H22	015869-86-0	50
3		Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	38
4		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	38
5		1-Pentanol, 2-ethyl-	116	C7H16O	027522-11-8	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020618\
Data File : BF102783.D
Acq On : 6 Feb 2018 14:51
Operator : SJ/JU
Sample : J1454-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)

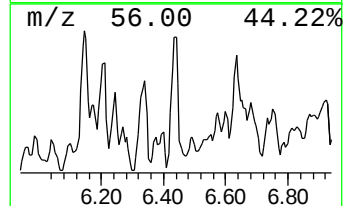
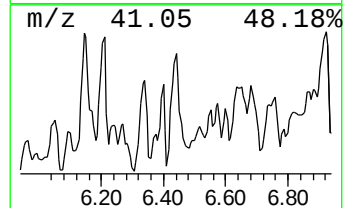
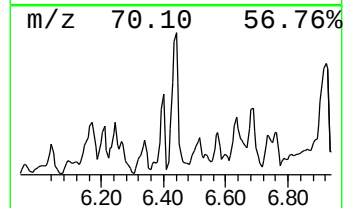
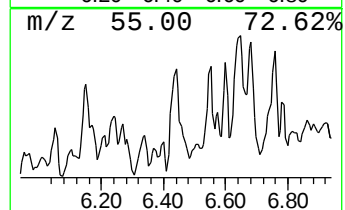
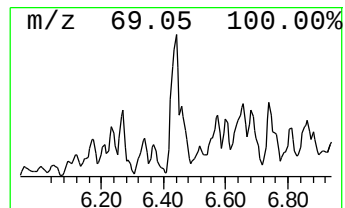
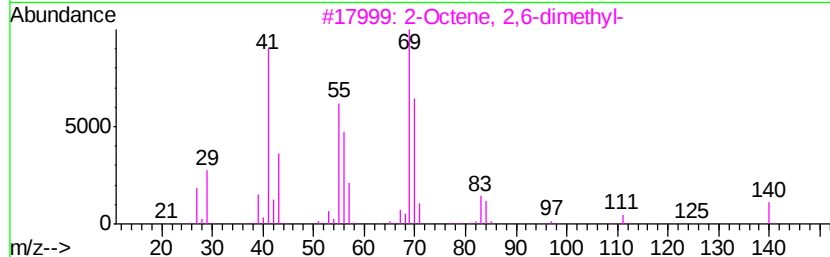
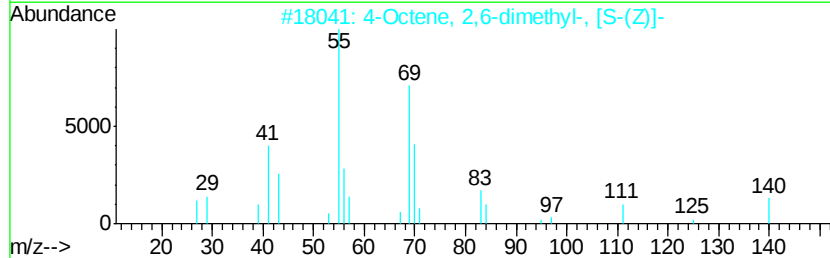
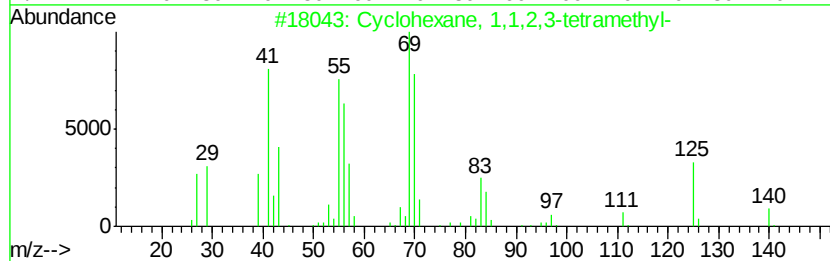
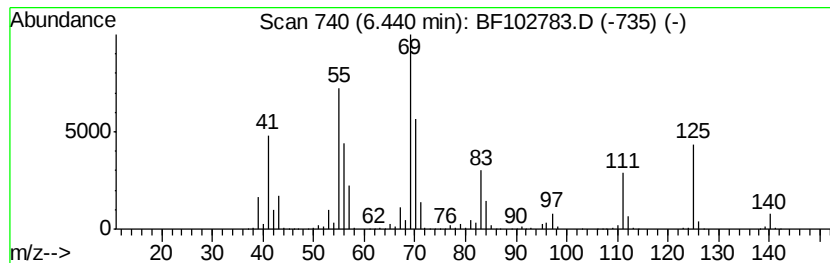
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	74.23 ng	17718000	1,4-Dichlorobenzene-d4	6.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	93
2		4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	59
3		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
4		Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	53
5		1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020618\
Data File : BF102783.D
Acq On : 6 Feb 2018 14:51
Operator : SJ/JU
Sample : J1454-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)

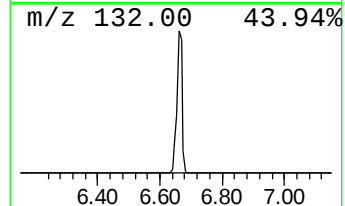
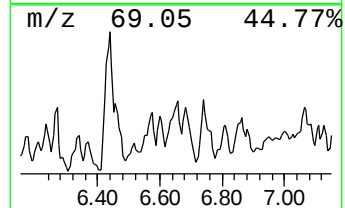
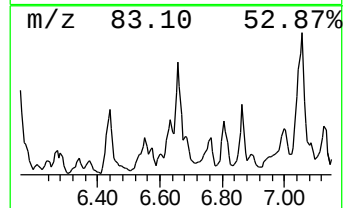
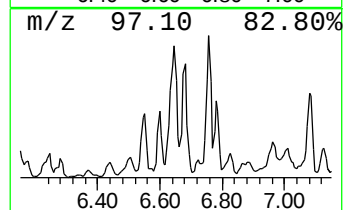
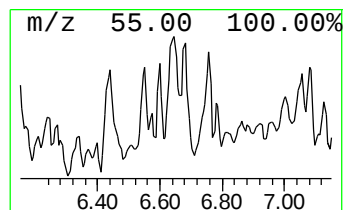
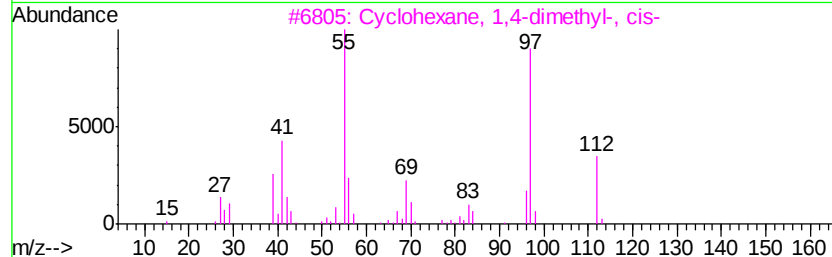
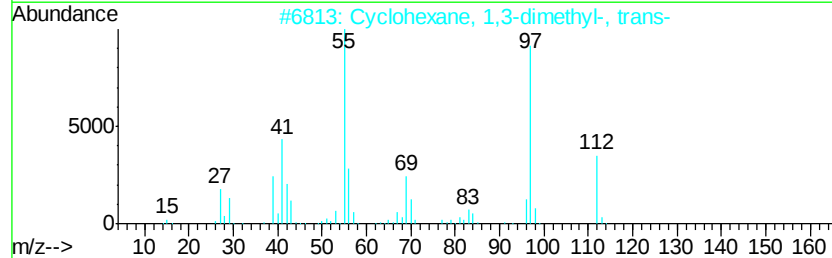
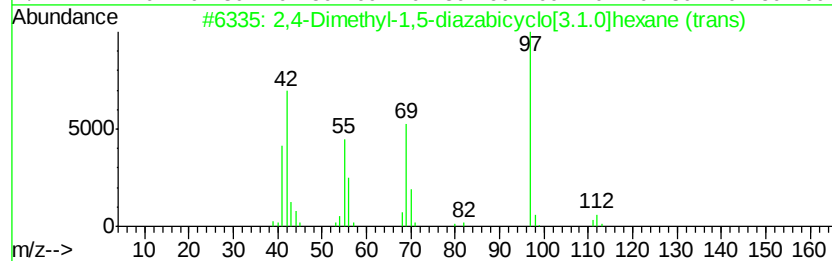
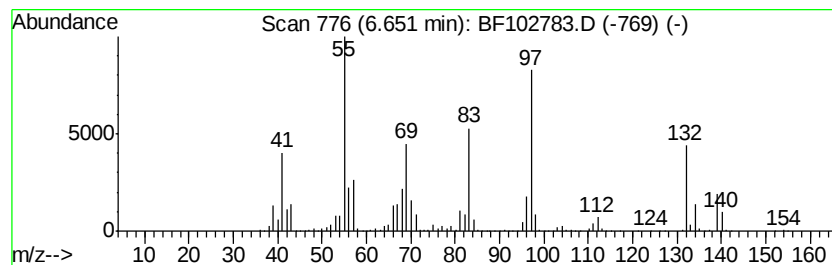
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown6.65 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	62.72 ng	14969000	1,4-Dichlorobenzene-d4	6.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4-Dimethyl-1,5-diazabicyclo[3.1.0]hexane (trans)	112	C6H12N2	1000283-20-9	42
2		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	41
3		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	41
4		Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	38
5		2,5-Dimethyl-1-pyrroline	97	C6H11N	000822-64-0	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020618\
Data File : BF102783.D
Acq On : 6 Feb 2018 14:51
Operator : SJ/JU
Sample : J1454-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)

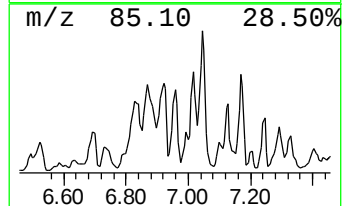
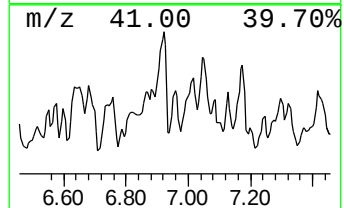
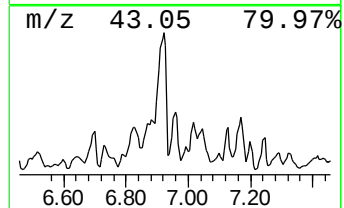
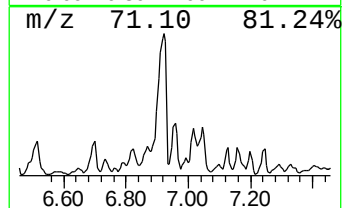
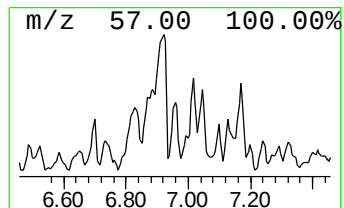
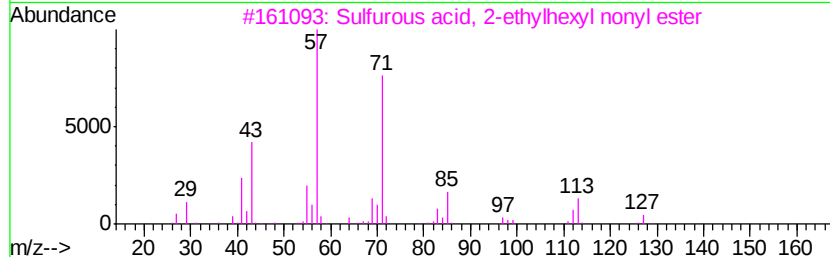
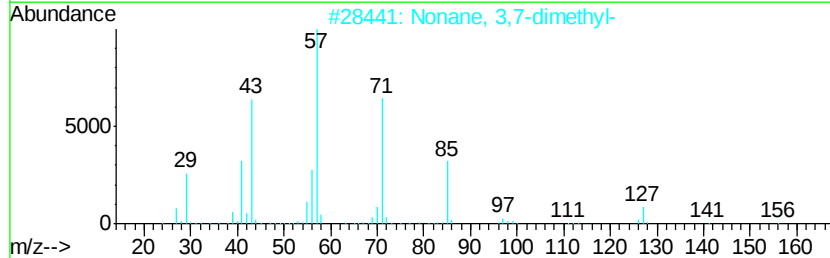
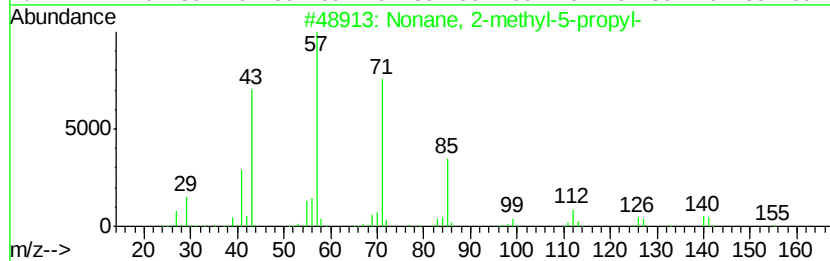
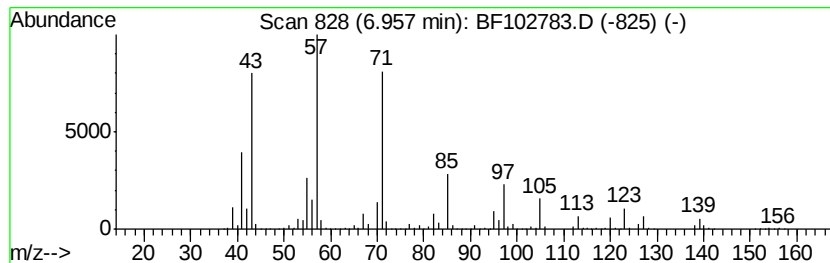
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Nonane, 2-methyl-5-propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	24.43 ng	5830790	1,4-Dichlorobenzene-d4	6.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	53
2		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	52
3		Sulfurous acid, 2-ethylhexyl nonyl ester	320	C17H36O3S	1000309-19-2	50
4		Undecane, 5-methyl-	170	C12H26	001632-70-8	50
5		Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020618\
Data File : BF102783.D
Acq On : 6 Feb 2018 14:51
Operator : SJ/JU
Sample : J1454-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)

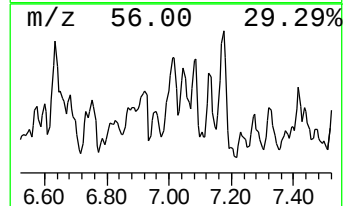
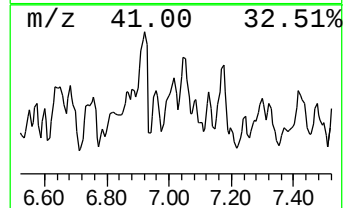
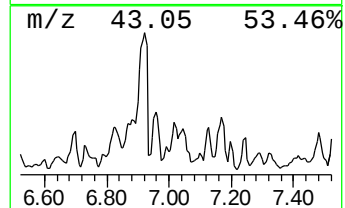
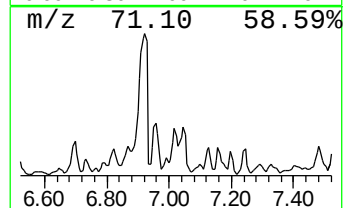
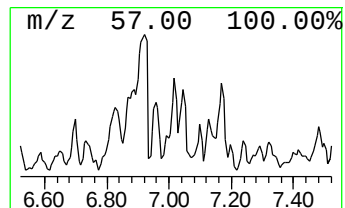
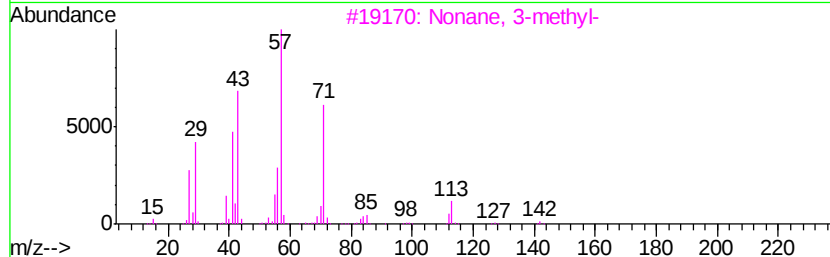
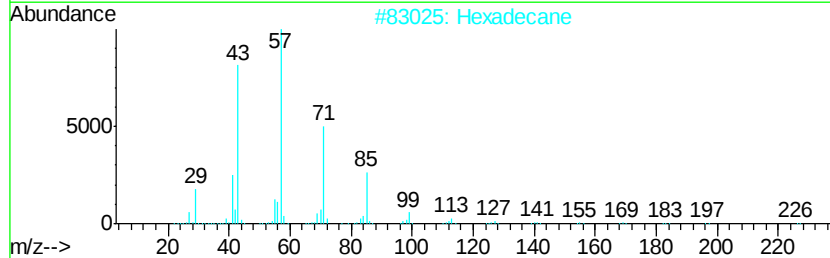
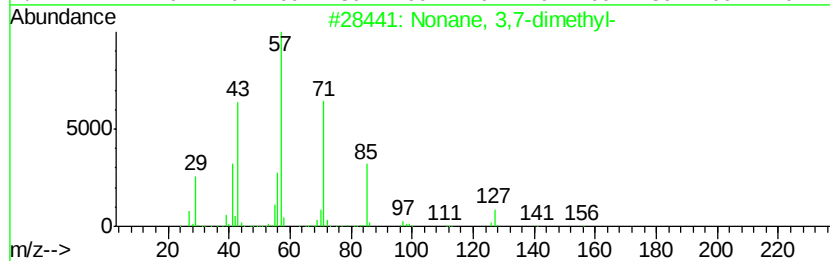
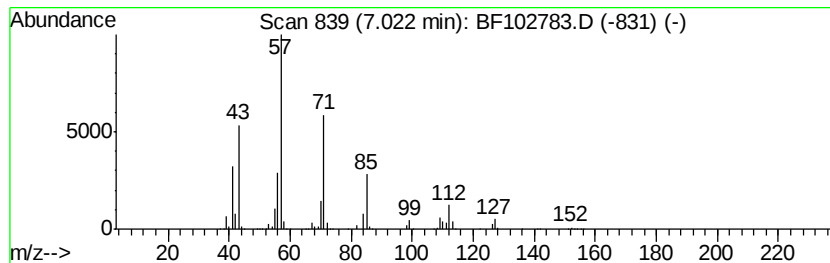
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Nonane, 3,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	45.61 ng	10885500	1,4-Dichlorobenzene-d4	6.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	59
2		Hexadecane	226	C16H34	000544-76-3	59
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	53
4		Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	53
5		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020618\
Data File : BF102783.D
Acq On : 6 Feb 2018 14:51
Operator : SJ/JU
Sample : J1454-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)

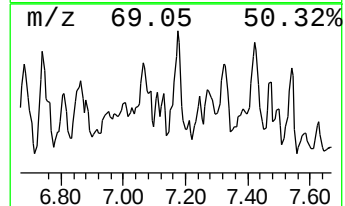
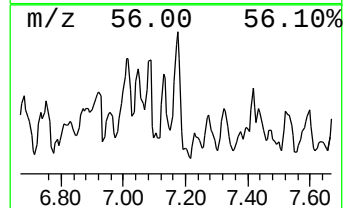
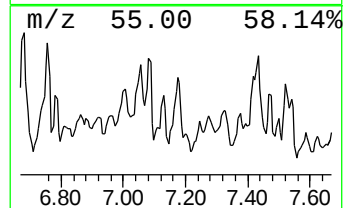
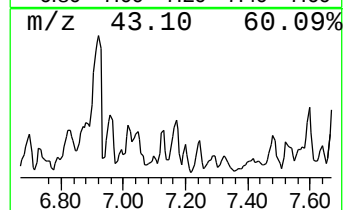
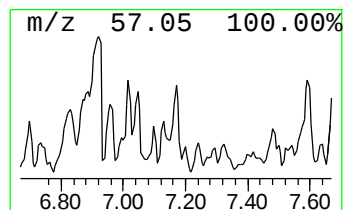
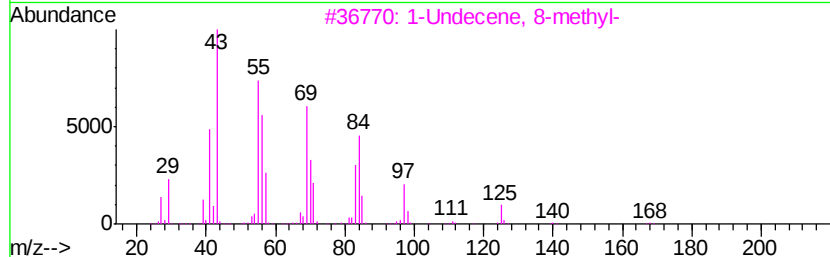
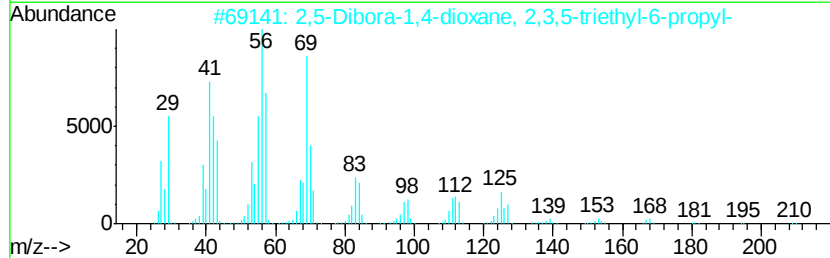
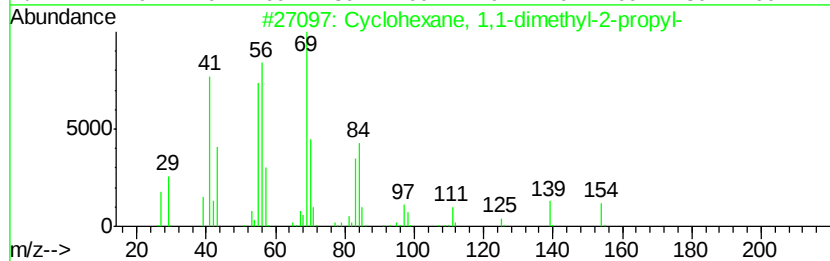
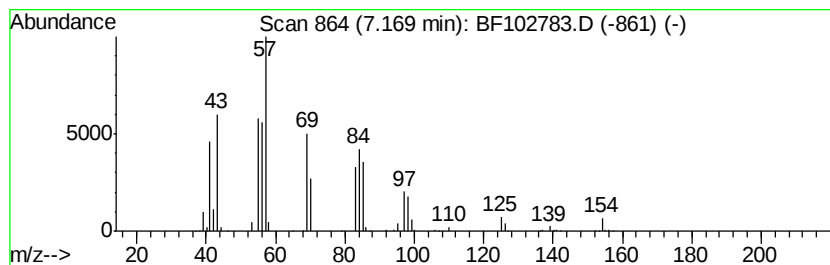
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclohexane, 1,1-dimethyl-2... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	31.36 ng	7485120	1,4-Dichlorobenzene-d4	6.89

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	68
2			2,5-Dibora-1,4-dioxane, 2,3,5-tr...	210	C11H24B2O2	1000161-22-1	53
3			1-Undecene, 8-methyl-	168	C12H24	074630-40-3	53
4			Decane, 4-methylene-	154	C11H22	024949-41-5	52
5			4-Decene, 5-methyl-, (E)-	154	C11H22	062338-51-6	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020618\
Data File : BF102783.D
Acq On : 6 Feb 2018 14:51
Operator : SJ/JU
Sample : J1454-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)

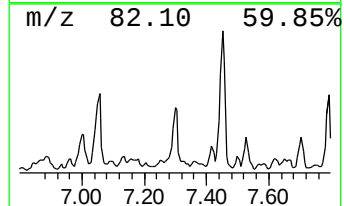
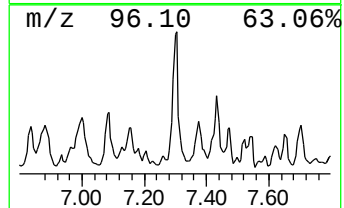
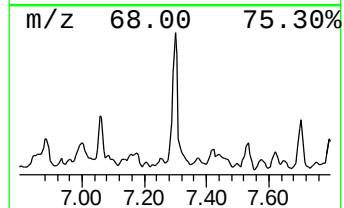
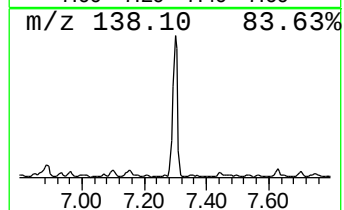
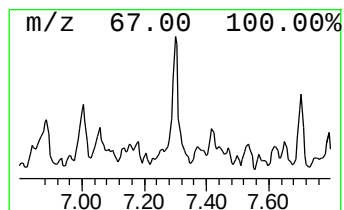
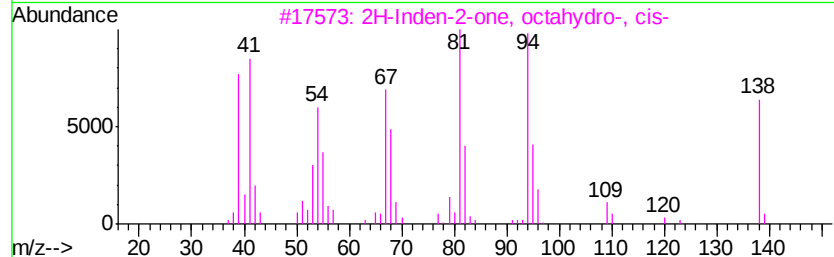
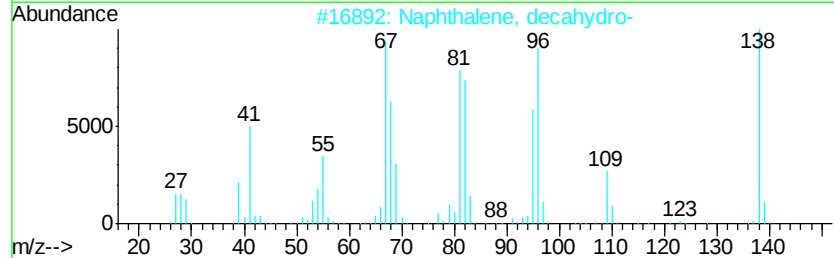
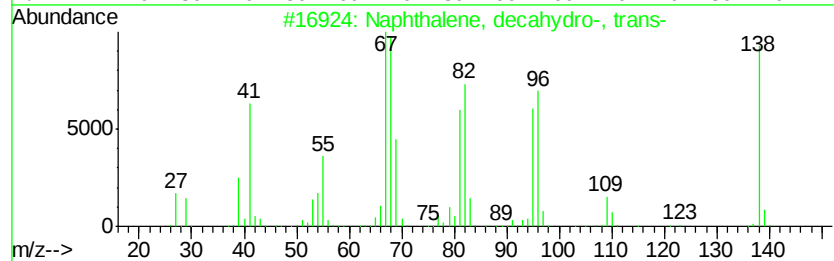
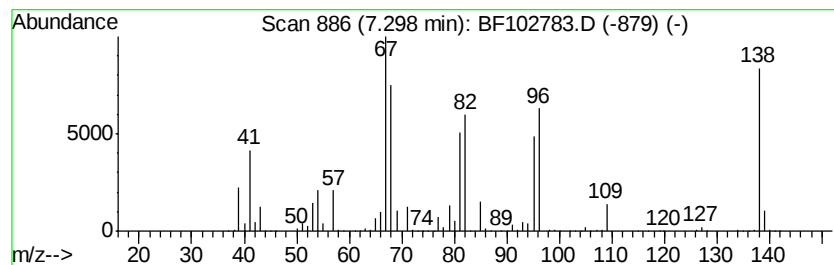
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, decahydro-, tr... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.30	27.08 ng	6462830	1,4-Dichlorobenzene-d4	6.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	96
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	90
3		2H-Inden-2-one, octahydro-, cis-	138	C9H14O	005689-04-3	86
4		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	83
5		Spiro[4.4]nonan-2-one	138	C9H14O	034177-18-9	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020618\
Data File : BF102783.D
Acq On : 6 Feb 2018 14:51
Operator : SJ/JU
Sample : J1454-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)

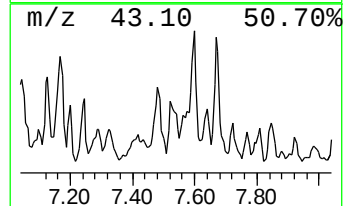
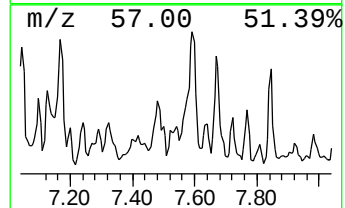
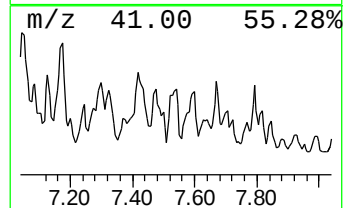
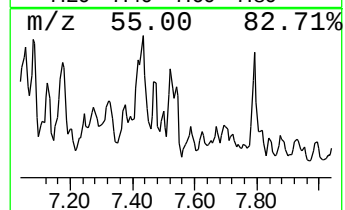
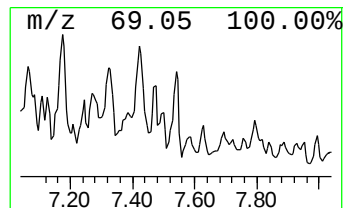
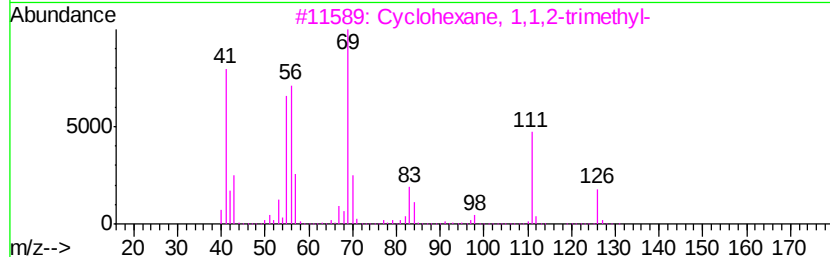
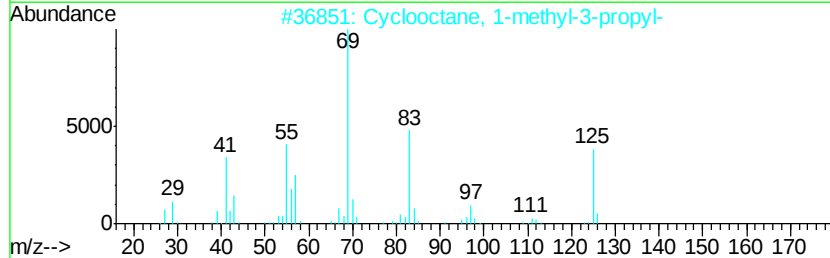
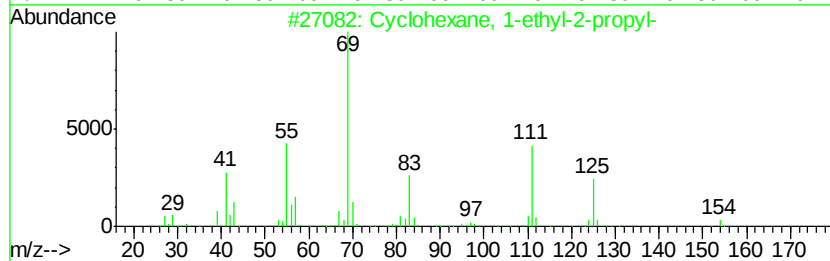
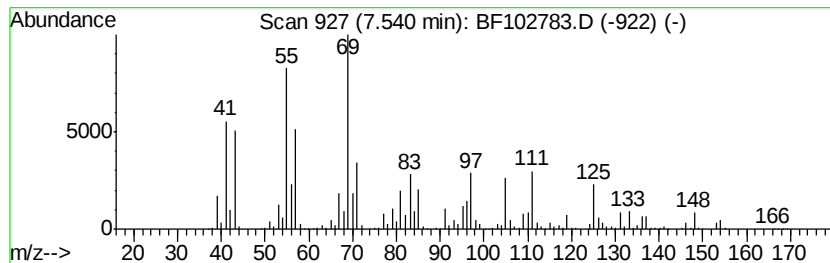
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown7.54 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.54	35.94 ng	7343580	Napthalene-d8	8.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	46
2		Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	43
3		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	43
4		2,2,4-Trimethyl-3-hexene	126	C9H18	059643-72-0	38
5		Acetic acid, trifluoro-, 1-methy...	154	C5H5F3O2	000400-39-5	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020618\
Data File : BF102783.D
Acq On : 6 Feb 2018 14:51
Operator : SJ/JU
Sample : J1454-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)

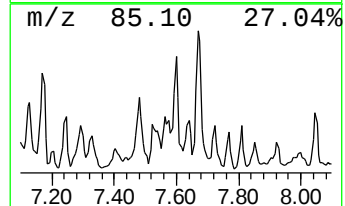
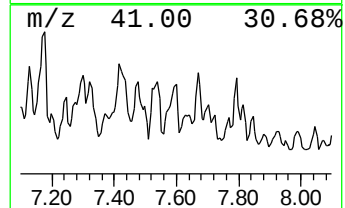
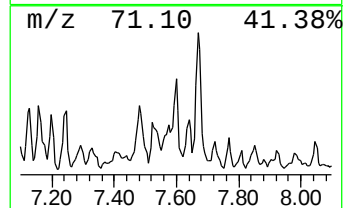
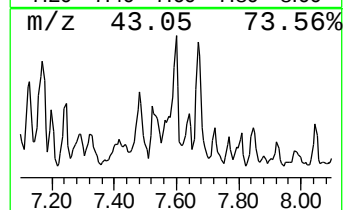
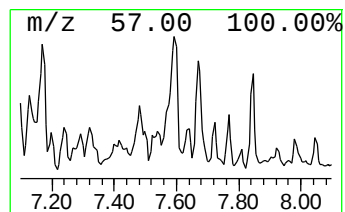
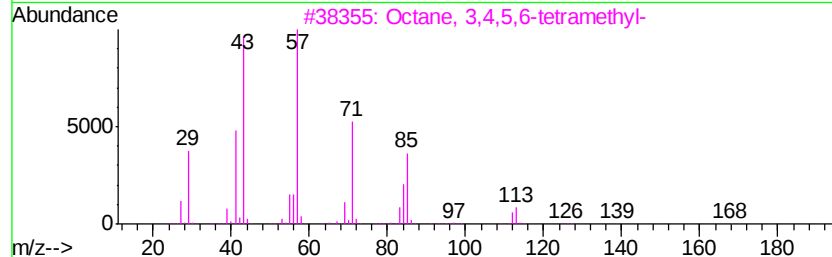
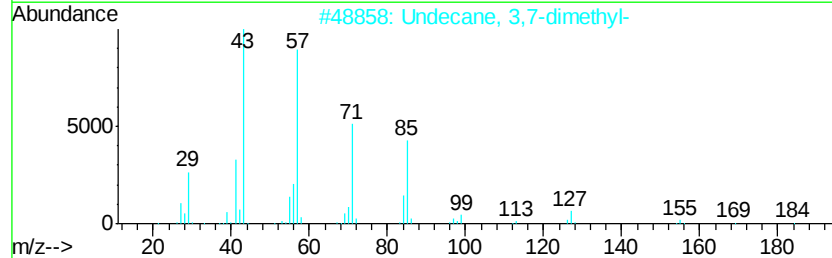
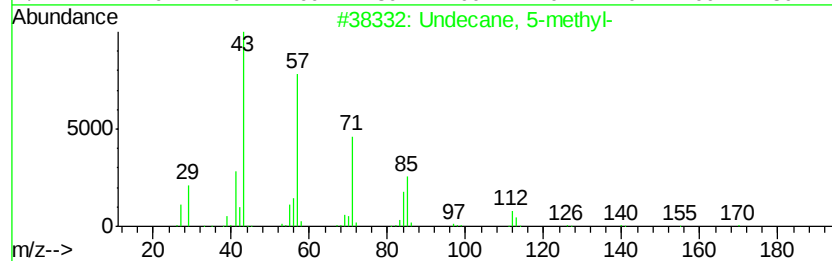
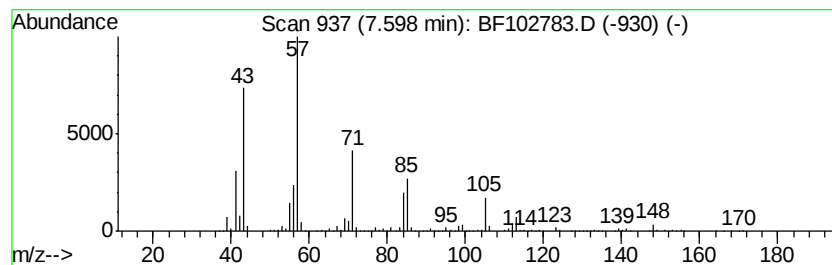
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Undecane, 5-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	31.08 ng	6350140	Napthalene-d8	8.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 5-methyl-	170	C12H26	001632-70-8	68
2		Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	64
3		Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	53
4		Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	53
5		Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020618\
Data File : BF102783.D
Acq On : 6 Feb 2018 14:51
Operator : SJ/JU
Sample : J1454-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)

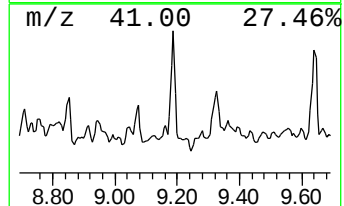
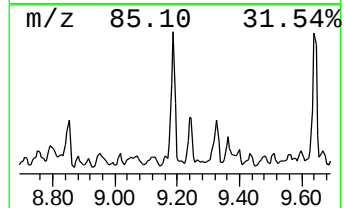
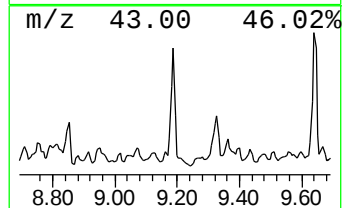
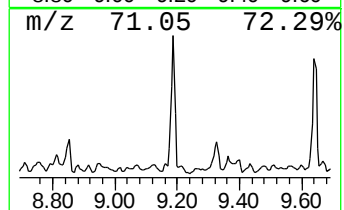
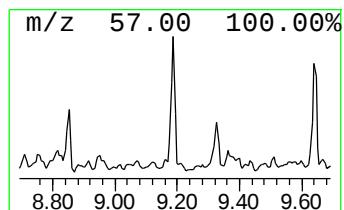
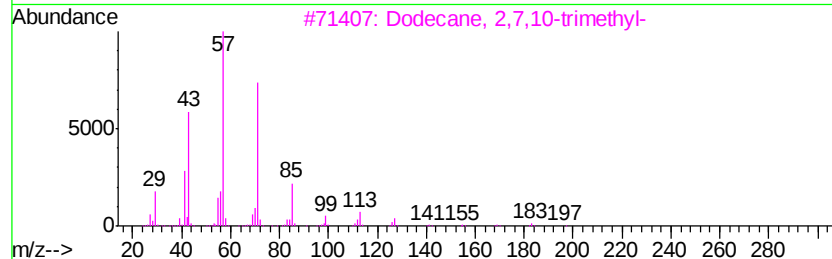
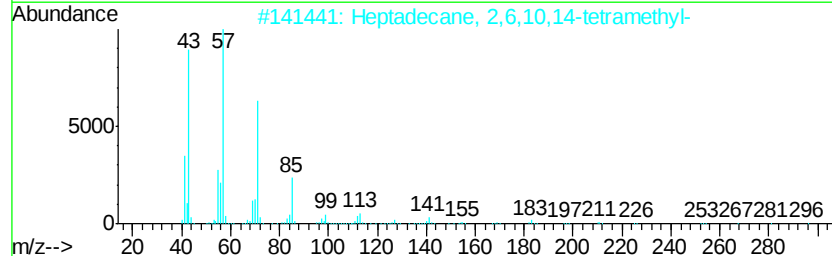
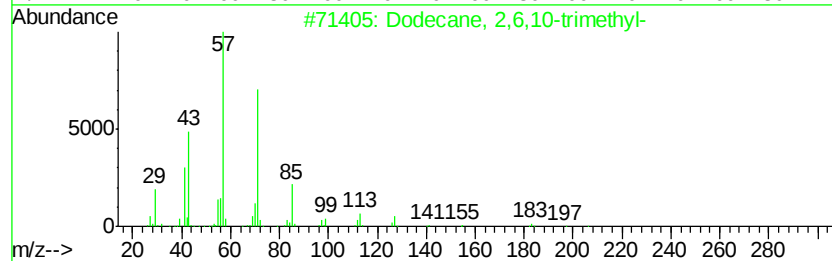
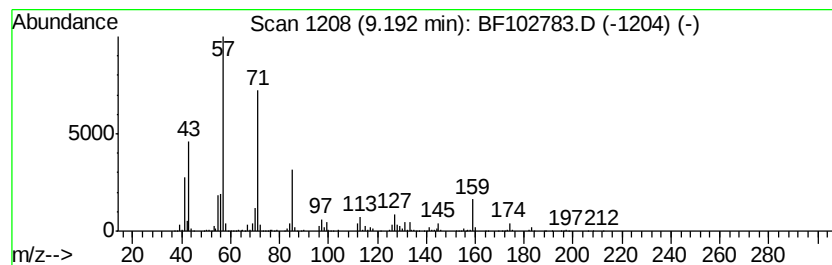
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Dodecane, 2,6,10-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	44.19 ng	3142000	Acenaphthene-d10	9.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
2		Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	83
3		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
4		Bacchotricuneatin c	342	C20H22O5	066563-30-2	64
5		Decane, 5-propyl-	184	C13H28	017312-62-8	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020618\
Data File : BF102783.D
Acq On : 6 Feb 2018 14:51
Operator : SJ/JU
Sample : J1454-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)

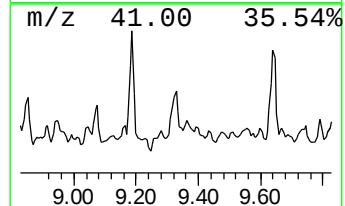
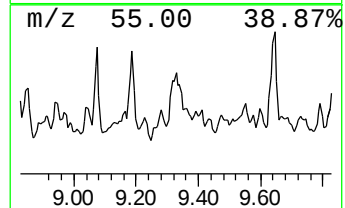
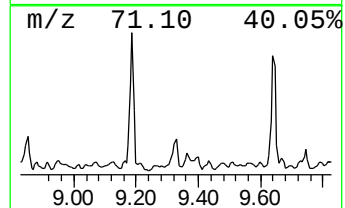
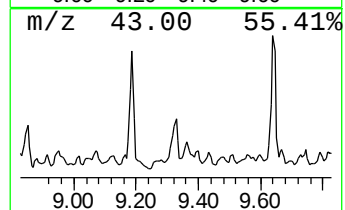
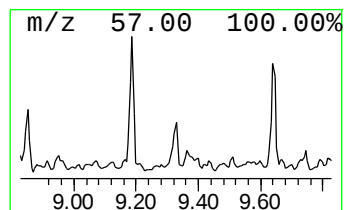
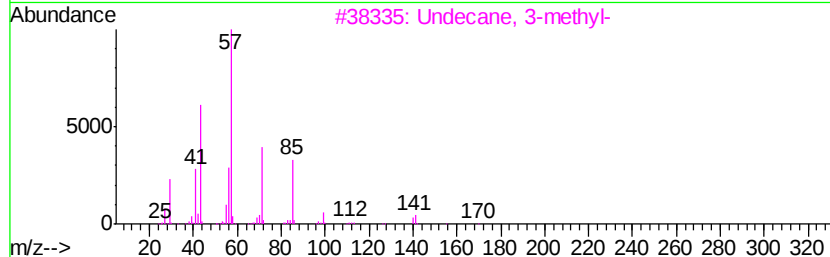
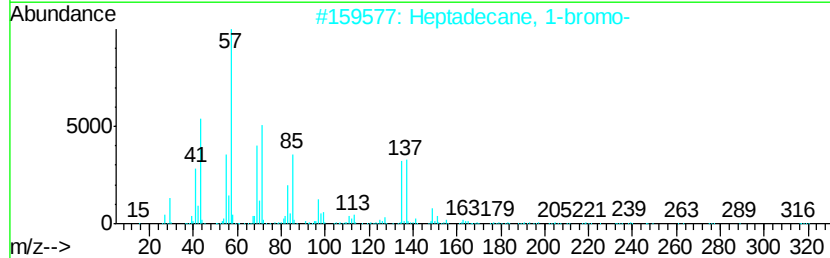
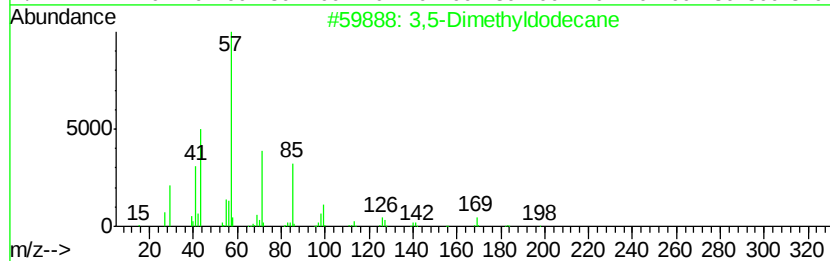
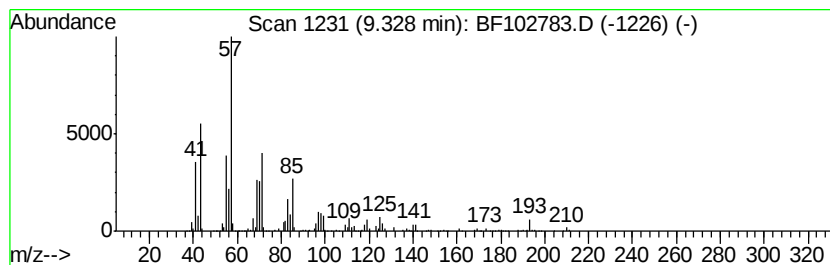
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 3,5-Dimethyldodecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	33.72 ng	2397350	Acenaphthene-d10	9.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,5-Dimethyldodecane	198	C14H30	107770-99-0	58
2		Heptadecane, 1-bromo-	318	C17H35Br	003508-00-7	53
3		Undecane, 3-methyl-	170	C12H26	001002-43-3	53
4		Tridecane, 1-bromo-	262	C13H27Br	000765-09-3	47
5		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020618\
Data File : BF102783.D
Acq On : 6 Feb 2018 14:51
Operator : SJ/JU
Sample : J1454-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)

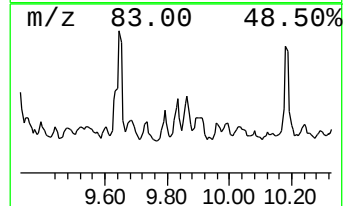
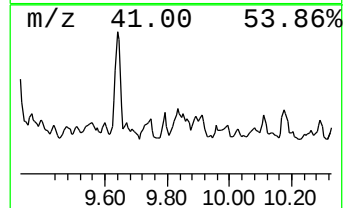
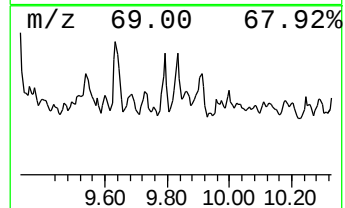
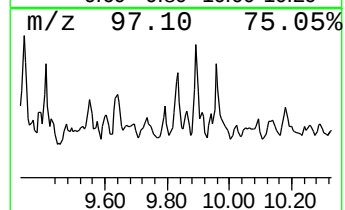
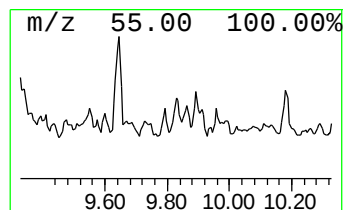
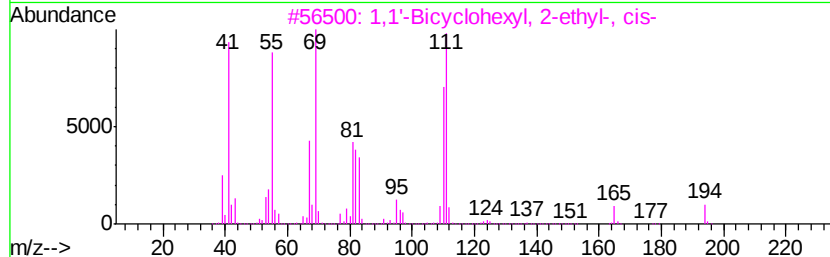
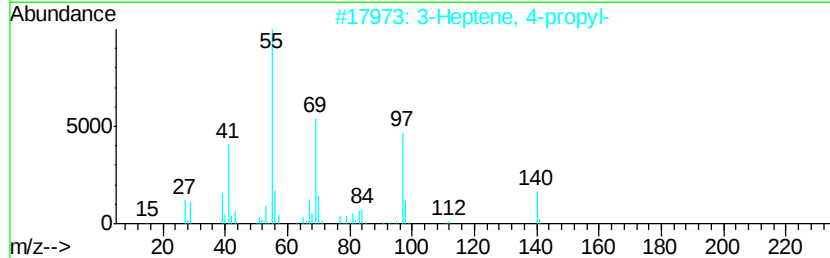
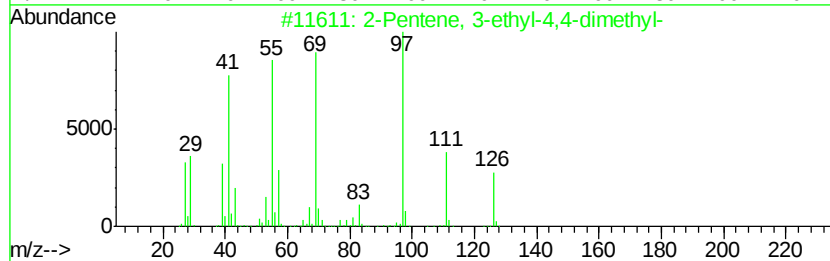
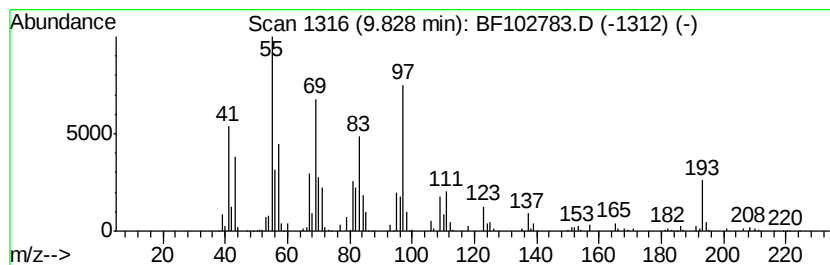
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown9.83 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	23.59 ng	1677390	Acenaphthene-d10	9.92

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-ethyl-4,4-dimethyl-			126	C9H18	053907-59-8	27
2	3-Heptene, 4-propyl-			140	C10H20	004485-13-6	22
3	1,1'-Bicyclohexyl, 2-ethyl-, cis-			194	C14H26	050991-12-3	15
4	Ethanone, 1,2-di-2-furyl-2-hyd...			192	C10H8O4	000552-86-3	14
5	Cyclohexane, 1,2,4-trimethyl-			126	C9H18	002234-75-5	11



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020618\
Data File : BF102783.D
Acq On : 6 Feb 2018 14:51
Operator : SJ/JU
Sample : J1454-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

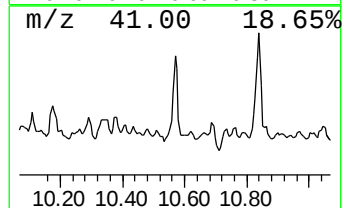
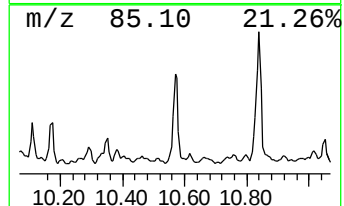
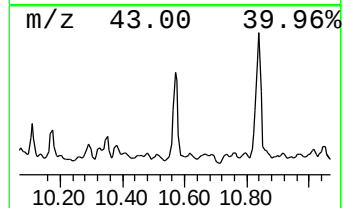
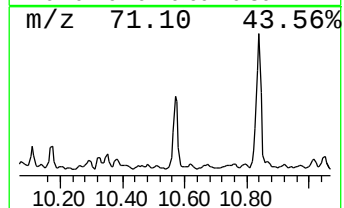
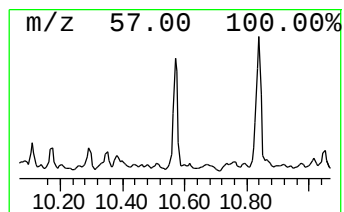
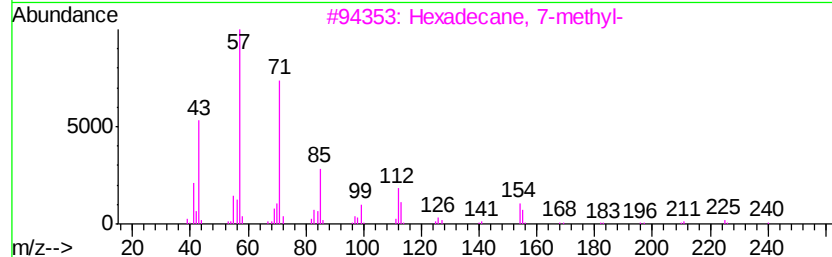
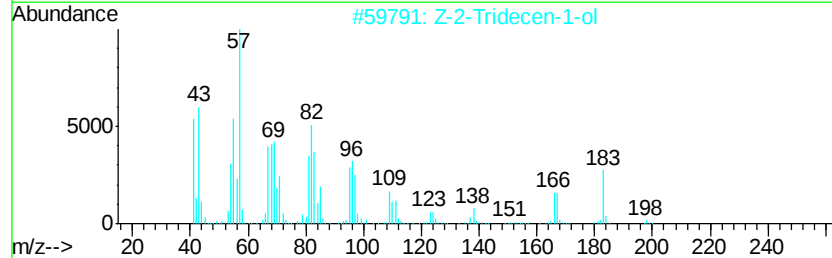
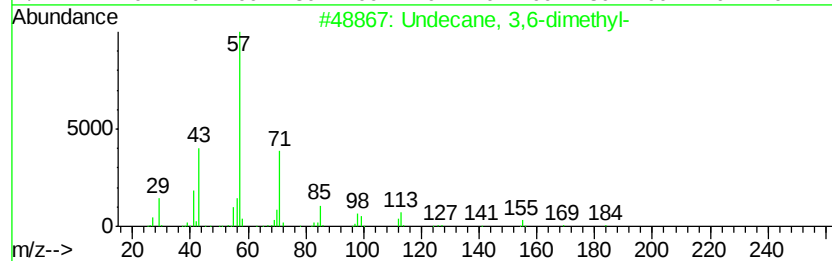
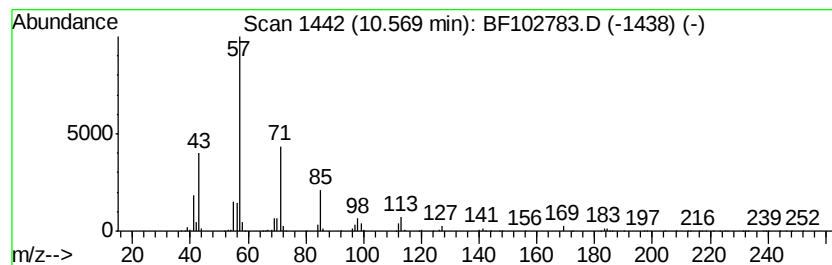
Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Undecane, 3,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	43.03 ng	3059420	Acenaphthene-d10	9.92
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane, 3,6-dimethyl-	184 C13H28	017301-28-9	87
2	Z-2-Tridecen-1-ol	198 C13H26O	1000130-75-8	74
3	Hexadecane, 7-methyl-	240 C17H36	026730-20-1	64
4	Hexadecane	226 C16H34	000544-76-3	64
5	Undecane, 5,5-dimethyl-	184 C13H28	017312-73-1	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020618\
Data File : BF102783.D
Acq On : 6 Feb 2018 14:51
Operator : SJ/JU
Sample : J1454-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

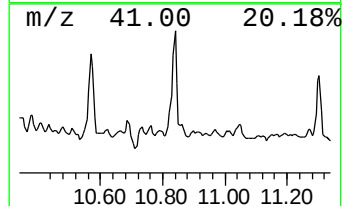
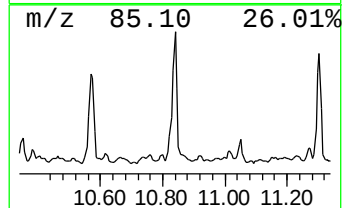
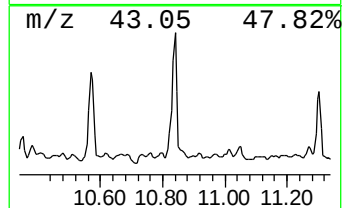
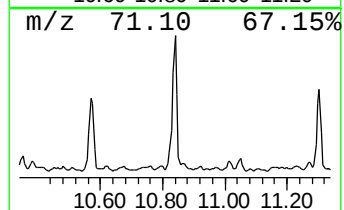
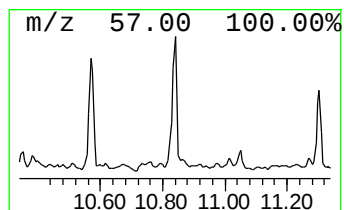
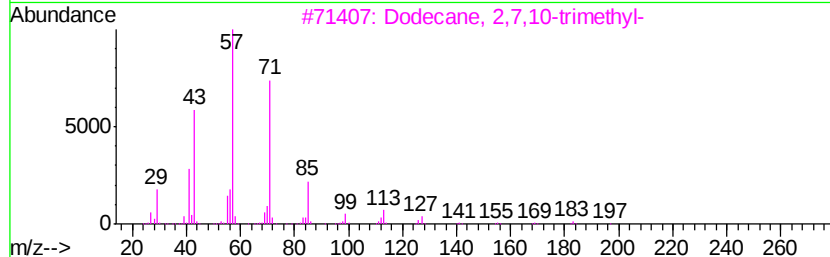
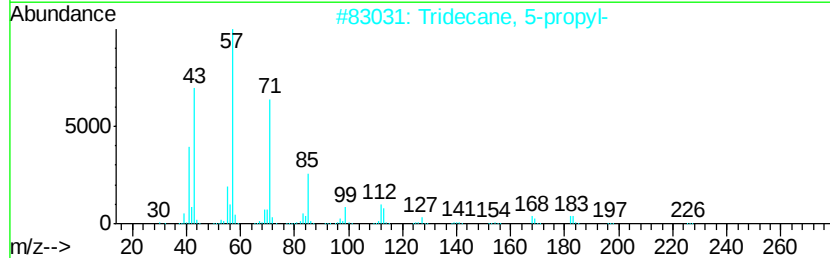
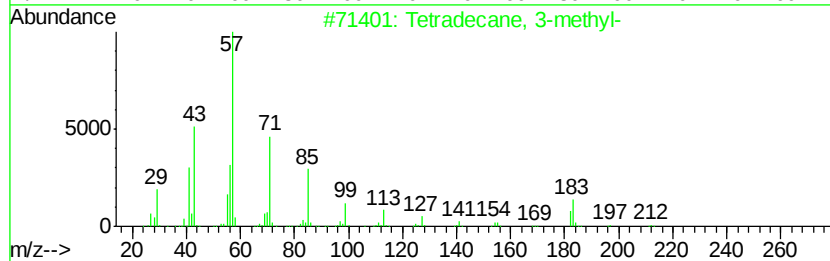
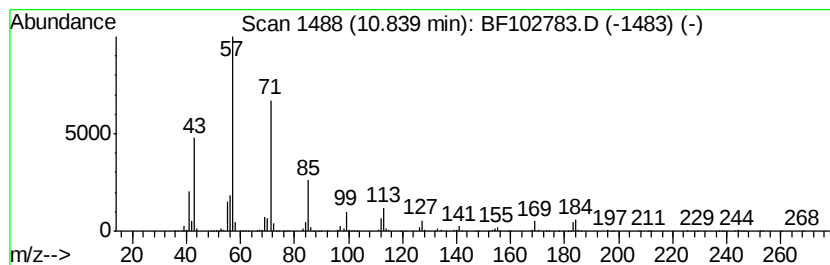
Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Tetradecane, 3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.84	71.77 ng	4078900	Phenanthrene-d10	11.42		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane, 3-methyl-	212	C15H32	018435-22-8	87
2		Tridecane, 5-propyl-	226	C16H34	055045-11-9	78
3		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
4		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	60
5		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020618\
Data File : BF102783.D
Acq On : 6 Feb 2018 14:51
Operator : SJ/JU
Sample : J1454-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)

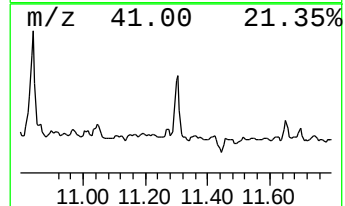
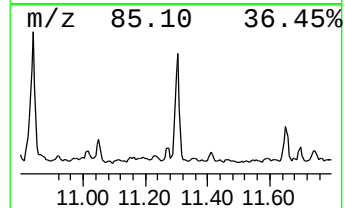
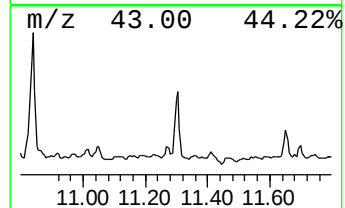
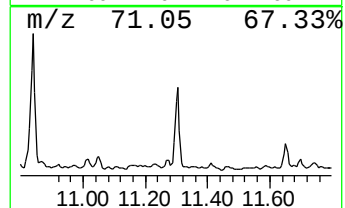
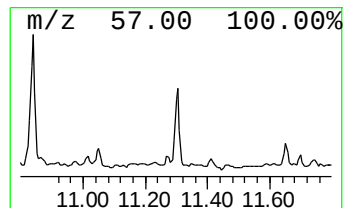
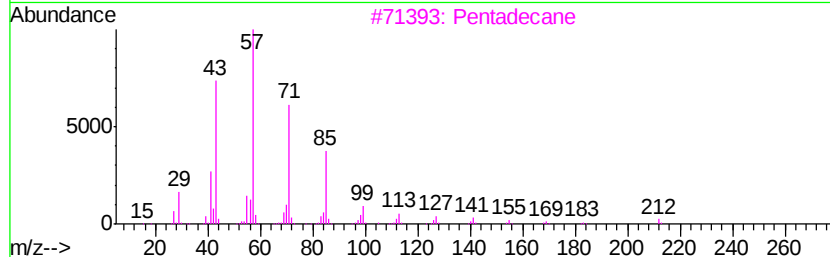
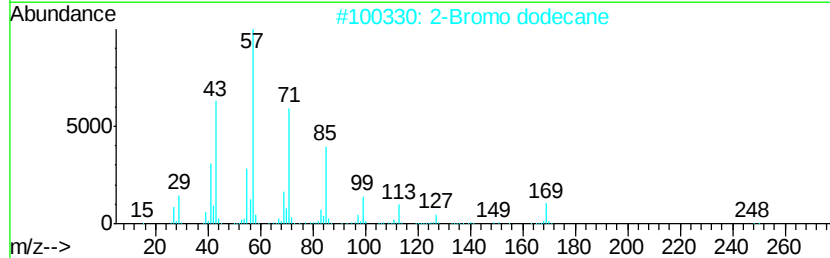
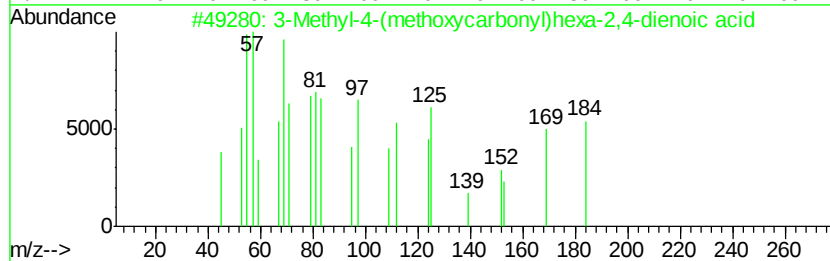
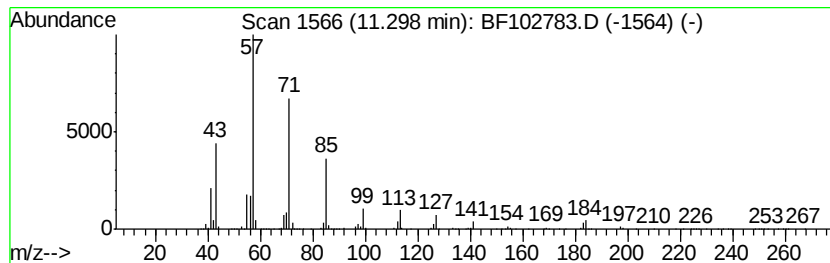
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 3-Methyl-4-(methoxycarbonyl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	51.71 ng	2938820	Phenanthrene-d10	11.42

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	91
2		2-Bromo dodecane	248	C12H25Br	013187-99-0	64
3		Pentadecane	212	C15H32	000629-62-9	59
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	58
5		Tridecane	184	C13H28	000629-50-5	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020618\
 Data File : BF102783.D
 Acq On : 6 Feb 2018 14:51
 Operator : SJ/JU
 Sample : J1454-16
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-10-EW(2-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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
Cyclohexane, 1-et...	5.92	25.9	ng	6183350	1	6.89	4773570	20.0
7-Methylbicyclo[4...	6.05	26.3	ng	6281250	1	6.89	4773570	20.0
Octane, 2,6-dimet...	6.15	60.0	ng	14315800	1	6.89	4773570	20.0
Heptane, 3-ethyl-...	6.21	34.7	ng	8273510	1	6.89	4773570	20.0
Undecane, 5,6-dim...	6.34	44.0	ng	10512100	1	6.89	4773570	20.0
Cyclohexane, 1,1,...	6.44	74.2	ng	17718000	1	6.89	4773570	20.0
unknown6.65	6.65	62.7	ng	14969000	1	6.89	4773570	20.0
Nonane, 2-methyl-...	6.96	24.4	ng	5830790	1	6.89	4773570	20.0
Nonane, 3,7-dimet...	7.02	45.6	ng	10885500	1	6.89	4773570	20.0
Cyclohexane, 1,1-...	7.17	31.4	ng	7485120	1	6.89	4773570	20.0
Naphthalene, deca...	7.30	27.1	ng	6462830	1	6.89	4773570	20.0
unknown7.54	7.54	35.9	ng	7343580	2	8.17	4086290	20.0
Undecane, 5-methyl-	7.60	31.1	ng	6350140	2	8.17	4086290	20.0
Dodecane, 2,6,10-...	9.19	44.2	ng	3142000	3	9.92	1421980	20.0
3,5-Dimethyldodecane	9.33	33.7	ng	2397350	3	9.92	1421980	20.0
unknown9.83	9.83	23.6	ng	1677390	3	9.92	1421980	20.0
Undecane, 3,6-dim...	10.57	43.0	ng	3059420	3	9.92	1421980	20.0
Tetradecane, 3-me...	10.84	71.8	ng	4078900	4	11.42	1136670	20.0
3-Methyl-4-(metho...	11.30	51.7	ng	2938820	4	11.42	1136670	20.0