

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
 Data File : BF095143.D
 Acq On : 16 May 2017 00:36
 Operator : SJ/MA
 Sample : I3140-12 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-1.5

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_F\METHODS\8270-BF050217.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	1.960	3	4	21	rVB	109157	147866	18.69%	0.828%
2	5.113	536	540	559	rBV2	31609	77997	9.86%	0.437%
3	5.766	648	651	676	rBV	105713	331110	41.84%	1.854%
4	7.331	914	917	928	rBV	115317	274178	34.65%	1.535%
5	7.448	934	937	951	rVB	241915	436370	55.15%	2.443%
6	7.778	989	993	1003	rBV	271340	344883	43.58%	1.931%
7	8.013	1029	1033	1038	rBV	287818	354220	44.76%	1.983%
8	8.189	1059	1063	1068	rBV4	16936	22257	2.81%	0.125%
9	8.325	1082	1086	1090	rBV4	14771	25573	3.23%	0.143%
10	8.372	1090	1094	1102	rVB4	26039	40704	5.14%	0.228%
11	8.448	1102	1107	1113	rBV6	19034	36720	4.64%	0.206%
12	8.560	1122	1126	1128	rBV4	19618	26275	3.32%	0.147%
13	8.595	1128	1132	1136	rVB5	22504	35398	4.47%	0.198%
14	8.642	1136	1140	1143	rBV5	13329	21989	2.78%	0.123%
15	8.678	1143	1146	1157	rBV	104208	214820	27.15%	1.203%
16	8.901	1178	1184	1190	rBV8	14607	36748	4.64%	0.206%
17	8.966	1190	1195	1202	rVB4	51257	86205	10.89%	0.483%
18	9.036	1202	1207	1211	rBV3	71304	86837	10.97%	0.486%
19	9.083	1211	1215	1220	rBV	73953	100884	12.75%	0.565%
20	9.125	1220	1222	1224	rBV2	22381	23043	2.91%	0.129%
21	9.166	1227	1229	1232	rVB4	24453	26173	3.31%	0.147%
22	9.213	1232	1237	1242	rBV4	94761	139680	17.65%	0.782%
23	9.319	1252	1255	1258	rBV3	24267	22932	2.90%	0.128%
24	9.378	1261	1265	1272	rBV3	55585	114196	14.43%	0.639%
25	9.436	1272	1275	1278	rBV2	53511	56038	7.08%	0.314%
26	9.495	1282	1285	1290	rVB3	67281	92134	11.64%	0.516%
27	9.560	1290	1296	1301	rBV4	79199	162519	20.54%	0.910%
28	9.654	1308	1312	1316	rBV6	48710	92360	11.67%	0.517%
29	9.689	1316	1318	1321	rVB2	38275	42835	5.41%	0.240%
30	9.725	1321	1324	1327	rVB4	28184	38443	4.86%	0.215%
31	9.795	1327	1336	1344	rBV	388909	791304	100.00%	4.431%
32	9.966	1360	1365	1367	rBV2	62116	93790	11.85%	0.525%
33	9.995	1367	1370	1375	rVV	293526	379229	47.92%	2.123%
34	10.042	1375	1378	1380	rVV	51734	60152	7.60%	0.337%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051517\
 Data File : BF095143.D
 Acq On : 16 May 2017 00:36
 Operator : SJ/MA
 Sample : I3140-12 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-1.5

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_F\METHODS\8270-BF050217.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.078	1380	1384	1389	rVB4	113482	170181	21.51%	0.953%
36	10.160	1390	1398	1402	rBV3	163112	300295	37.95%	1.681%
37	10.213	1402	1407	1409	rBV4	56770	102190	12.91%	0.572%
38	10.236	1409	1411	1414	rVV2	77713	90974	11.50%	0.509%
39	10.272	1414	1417	1422	rVB4	84283	143066	18.08%	0.801%
40	10.330	1422	1427	1430	rBV3	101171	159869	20.20%	0.895%
41	10.366	1430	1433	1434	rBV3	22167	24497	3.10%	0.137%
42	10.383	1434	1436	1438	rVV2	61055	66650	8.42%	0.373%
43	10.407	1438	1440	1445	rVV3	129609	180937	22.87%	1.013%
44	10.460	1445	1449	1452	rVV2	114455	138132	17.46%	0.773%
45	10.519	1456	1459	1461	rBV2	63505	75659	9.56%	0.424%
46	10.542	1461	1463	1466	rVV3	85000	113799	14.38%	0.637%
47	10.583	1466	1470	1473	rVV	221408	294992	37.28%	1.652%
48	10.613	1473	1475	1479	rVB4	95180	105806	13.37%	0.592%
49	10.707	1487	1491	1494	rBV2	122810	164966	20.85%	0.924%
50	10.807	1499	1508	1511	rBV7	99960	296969	37.53%	1.663%
51	10.919	1525	1527	1532	rVV2	63275	71935	9.09%	0.403%
52	10.966	1532	1535	1539	rVV6	49130	88865	11.23%	0.498%
53	11.013	1540	1543	1547	rVB2	187041	234101	29.58%	1.311%
54	11.048	1547	1549	1554	rBV5	49284	61860	7.82%	0.346%
55	11.119	1559	1561	1565	rBV3	50364	49174	6.21%	0.275%
56	11.177	1568	1571	1574	rVB3	77493	83267	10.52%	0.466%
57	11.207	1574	1576	1579	rBV3	36653	36729	4.64%	0.206%
58	11.242	1579	1582	1586	rBV5	43038	53295	6.74%	0.298%
59	11.289	1587	1590	1593	rBV3	47071	64806	8.19%	0.363%
60	11.325	1593	1596	1599	rBV	171339	213461	26.98%	1.195%
61	11.395	1605	1608	1612	rVB2	146281	159977	20.22%	0.896%
62	11.524	1626	1630	1633	rBV3	157612	205686	25.99%	1.152%
63	11.566	1633	1637	1641	rVB	563372	627955	79.36%	3.516%
64	11.666	1650	1654	1659	rBV	267452	392388	49.59%	2.197%
65	11.719	1660	1663	1665	rVV	89043	100896	12.75%	0.565%
66	11.801	1670	1677	1682	rVB3	217370	394902	49.91%	2.211%
67	11.848	1682	1685	1688	rBV4	92032	150901	19.07%	0.845%
68	12.101	1725	1728	1731	rVB3	113195	135588	17.13%	0.759%
69	12.160	1731	1738	1743	rBV	397673	584554	73.87%	3.273%
70	12.266	1753	1756	1760	rVB	170496	199134	25.17%	1.115%
71	12.313	1761	1764	1767	rVB	187352	197834	25.00%	1.108%

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
 Data File : BF095143.D
 Acq On : 16 May 2017 00:36
 Operator : SJ/MA
 Sample : I3140-12 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-1.5

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_F\METHODS\8270-BF050217.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.413	1777	1781	1784	rBV4	133661	172694	21.82%	0.967%
73	12.489	1789	1794	1799	rVB2	484611	751799	95.01%	4.209%
74	12.548	1801	1804	1807	rBV5	65585	105151	13.29%	0.589%
75	12.630	1815	1818	1823	rVB2	359299	422452	53.39%	2.365%
76	12.936	1867	1870	1872	rBV	79759	86904	10.98%	0.487%
77	13.071	1890	1893	1896	rBV4	80547	89060	11.25%	0.499%
78	13.177	1907	1911	1918	rVB3	331277	491606	62.13%	2.753%
79	13.295	1928	1931	1937	rBV6	100014	167000	21.10%	0.935%
80	13.624	1983	1987	1993	rVB4	141431	196693	24.86%	1.101%
81	13.830	2019	2022	2026	rVB2	196710	248564	31.41%	1.392%
82	13.930	2036	2039	2042	rBV4	133729	184681	23.34%	1.034%
83	14.124	2070	2072	2075	rBV3	70535	84150	10.63%	0.471%
84	14.265	2092	2096	2101	rBV2	345455	444134	56.13%	2.487%
85	14.465	2128	2130	2134	rVB2	116645	118240	14.94%	0.662%
86	14.530	2138	2141	2145	rBV5	94046	146089	18.46%	0.818%
87	14.613	2151	2155	2159	rBV3	136187	181405	22.92%	1.016%
88	15.036	2220	2227	2231	rBV2	307297	580935	73.41%	3.253%
89	15.195	2251	2254	2257	rVB2	102946	127129	16.07%	0.712%
90	15.242	2260	2262	2265	rVV2	66772	75517	9.54%	0.423%
91	16.607	2491	2494	2498	rBV2	126608	161573	20.42%	0.905%
92	16.812	2526	2529	2535	rBV	70987	87292	11.03%	0.489%
93	17.112	2577	2580	2584	rVB	92839	104415	13.20%	0.585%
94	17.230	2596	2600	2605	rBV	72855	92254	11.66%	0.517%
95	17.348	2616	2620	2629	rVB	346997	437414	55.28%	2.449%
96	17.712	2679	2682	2683	rBV2	38676	39863	5.04%	0.223%
97	17.824	2699	2701	2705	rVB	27378	26290	3.32%	0.147%
98	18.701	2845	2850	2856	rBV	315534	446018	56.36%	2.497%
99	19.977	3063	3067	3070	rBV	56495	78535	9.92%	0.440%
100	20.377	3131	3135	3144	rVB	252921	339990	42.97%	1.904%

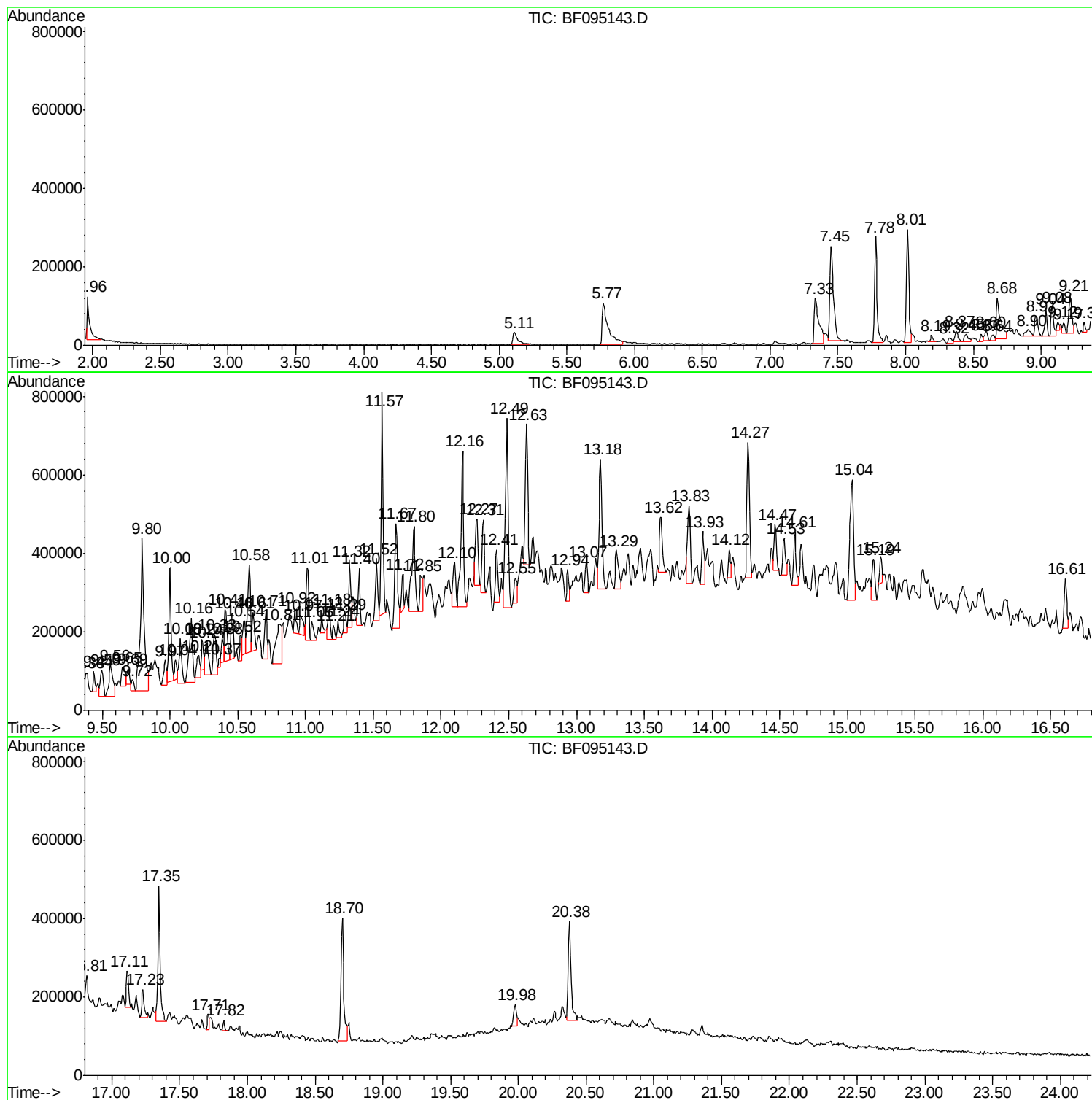
Sum of corrected areas: 17859999

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051517\
Data File : BF095143.D
Acq On : 16 May 2017 00:36
Operator : SJ/MA
Sample : I3140-12 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-7-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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\BF051517\
Data File : BF095143.D
Acq On : 16 May 2017 00:36
Operator : SJ/MA
Sample : I3140-12 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-7-1.5

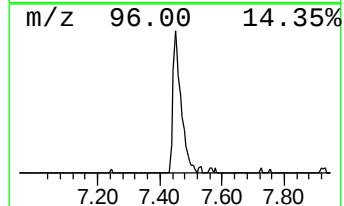
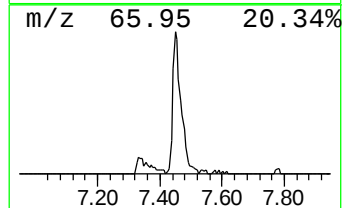
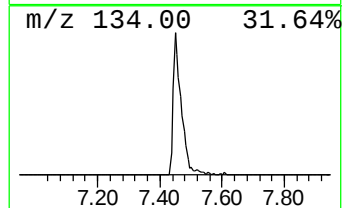
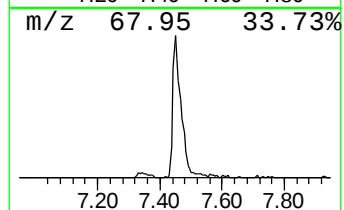
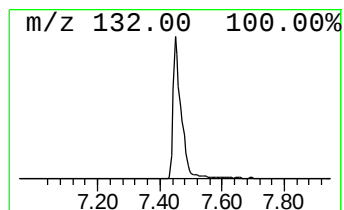
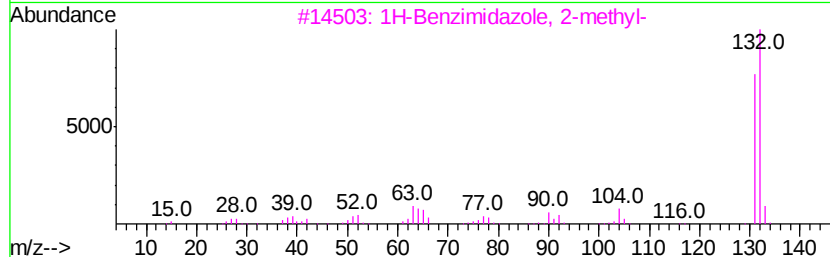
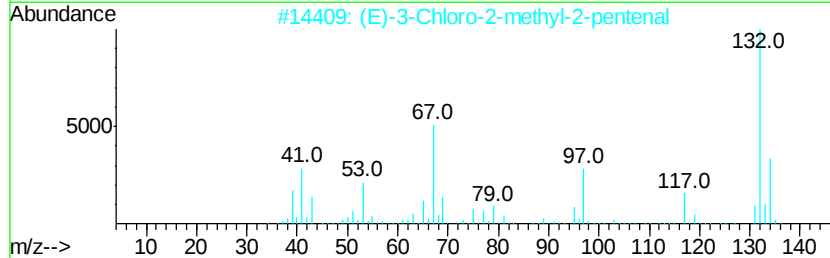
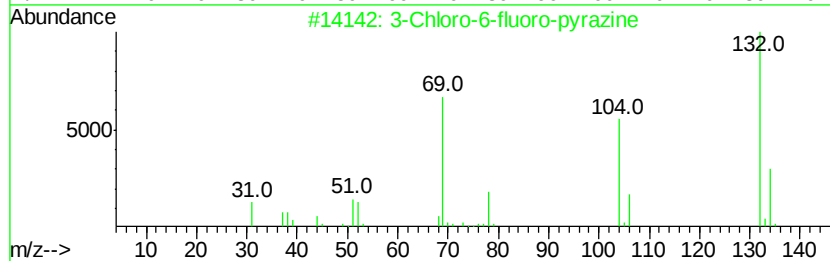
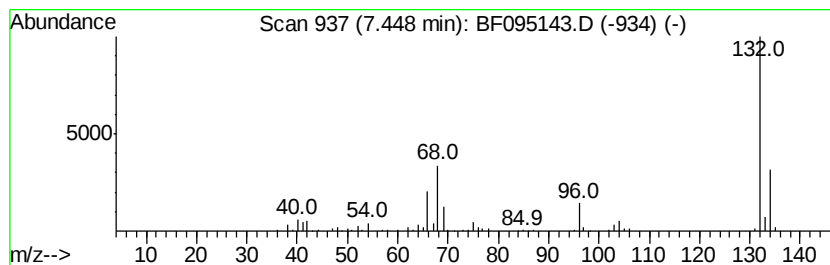
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown7.45 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	25.31 ng	436370	1,4-Dichlorobenzene-d4	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4		1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	10
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095143.D
Acq On : 16 May 2017 00:36
Operator : SJ/MA
Sample : I3140-12 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

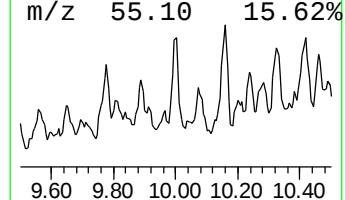
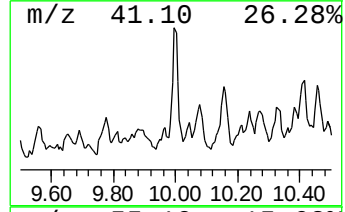
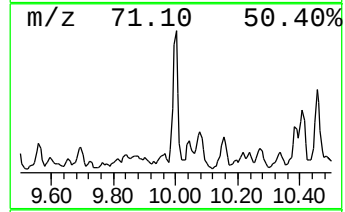
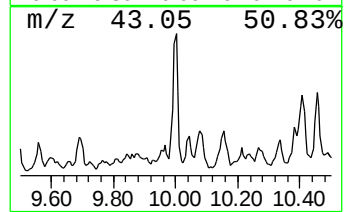
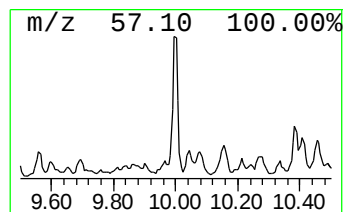
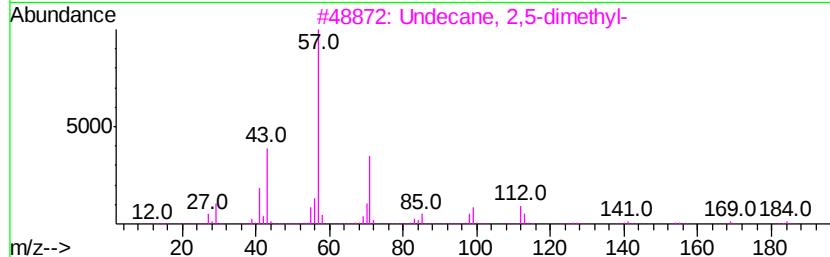
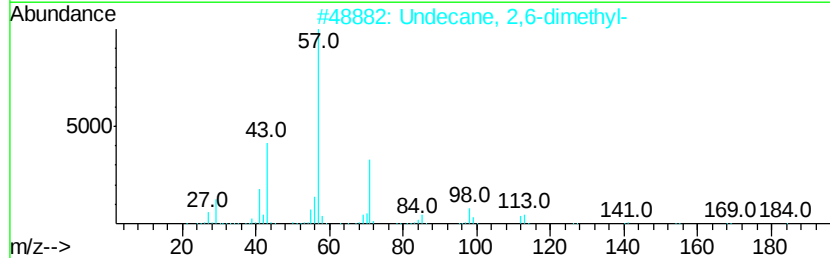
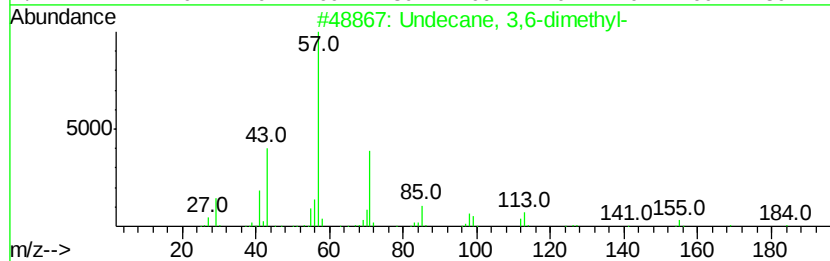
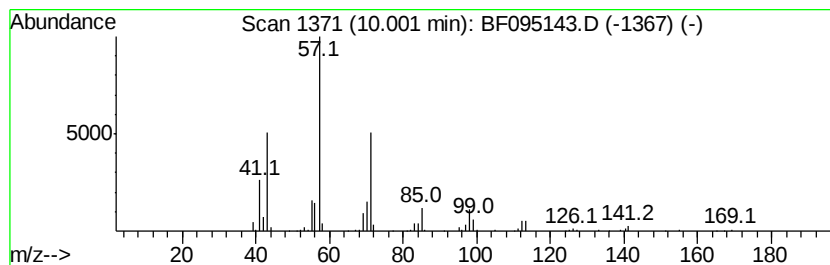
Instrument :
BNA_F
ClientSampleId :
TP-7-1.5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.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, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.00	9.58 ng	379229	Naphthalene-d8	9.80	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	86
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	80
3	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	72
4	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	72
5	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095143.D
Acq On : 16 May 2017 00:36
Operator : SJ/MA
Sample : I3140-12 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-7-1.5

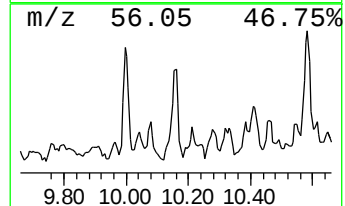
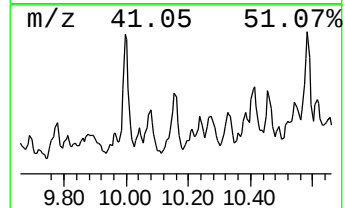
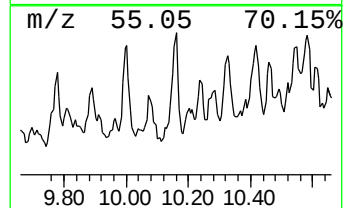
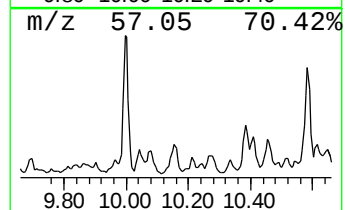
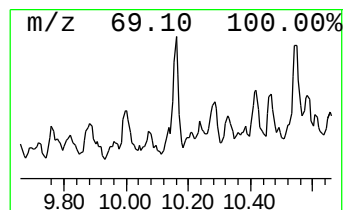
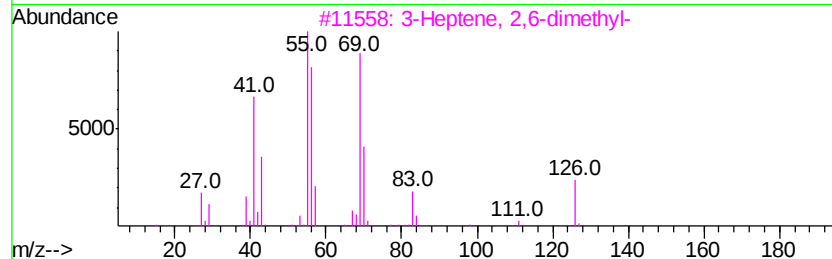
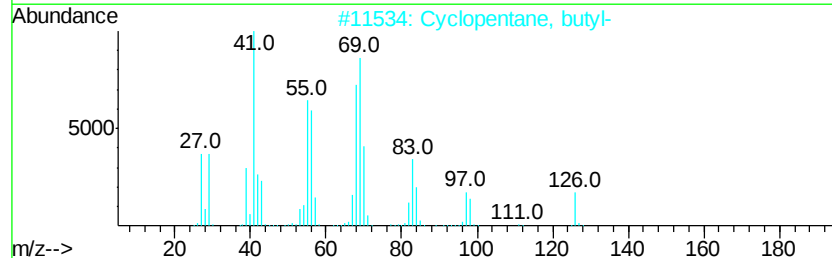
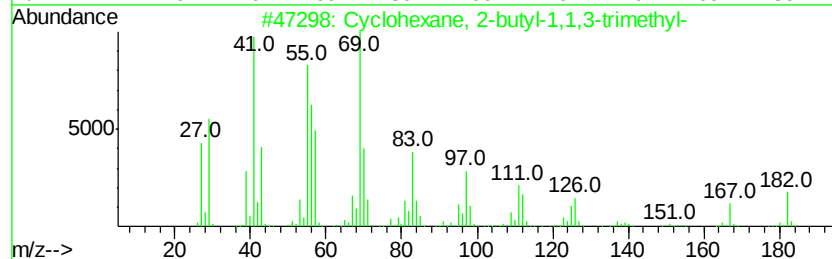
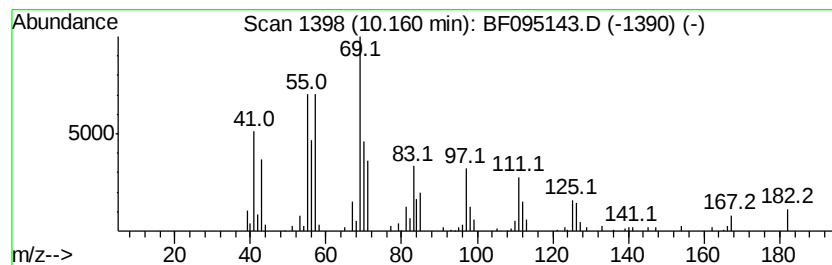
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.16	7.59 ng	300295	Napthalene-d8	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	91
2		Cyclopentane, butyl-	126	C9H18	002040-95-1	62
3		3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	52
4		3-Heptene, 2-methyl-, (E)-	112	C8H16	000692-96-6	46
5		Cyclooctane, 1,4-dimethyl-, cis-	140	C10H20	013151-99-0	45



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095143.D
Acq On : 16 May 2017 00:36
Operator : SJ/MA
Sample : I3140-12 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

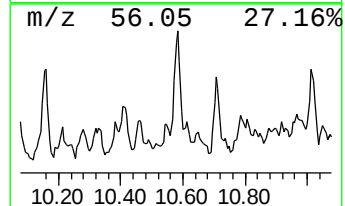
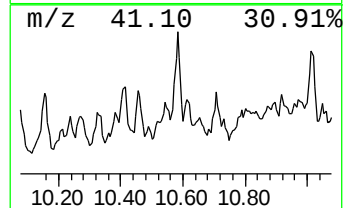
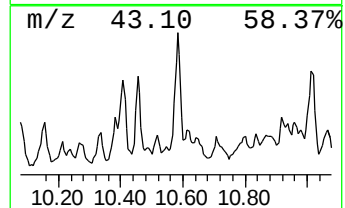
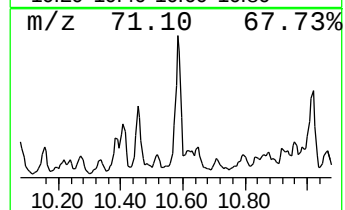
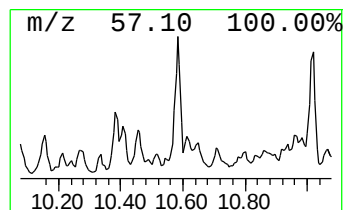
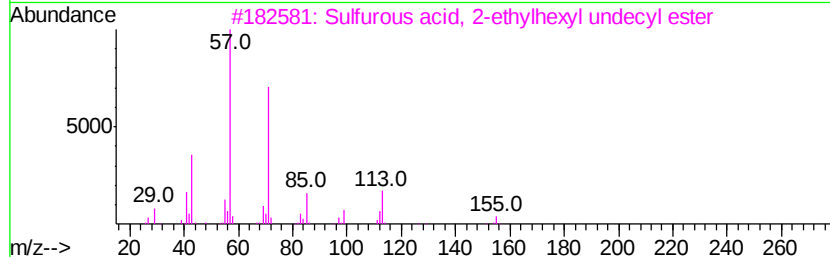
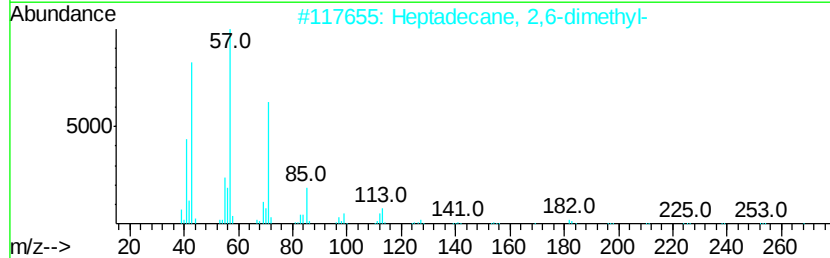
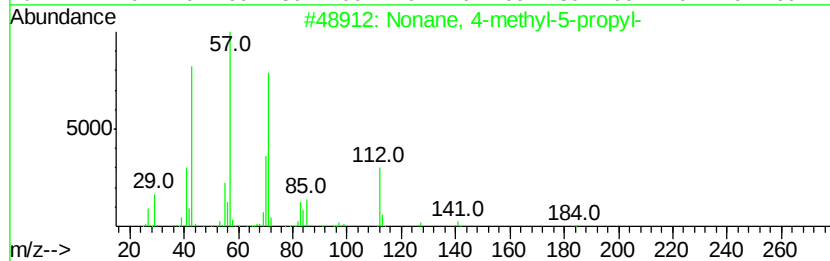
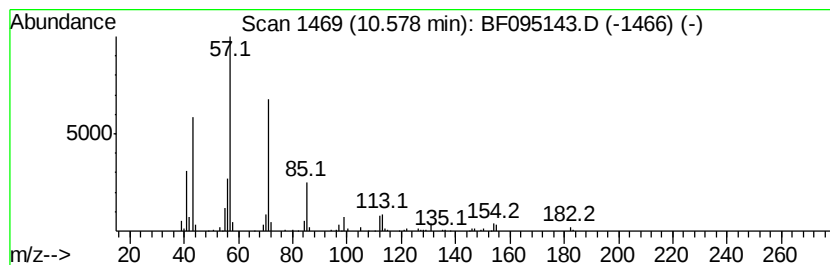
Instrument :
BNA_F
ClientSampleId :
TP-7-1.5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Nonane, 4-methyl-5-propyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.58	7.46 ng	294992	Naphthalene-d8	9.80		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	72
2		Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	72
3		Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	64
4		Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	64
5		Octane, 3-ethyl-	142	C10H22	005881-17-4	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095143.D
Acq On : 16 May 2017 00:36
Operator : SJ/MA
Sample : I3140-12 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-7-1.5

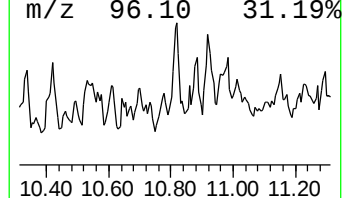
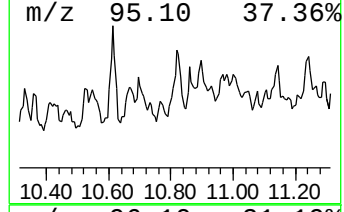
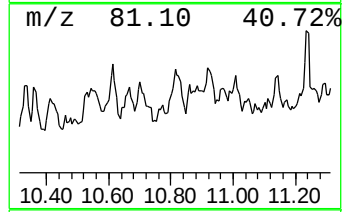
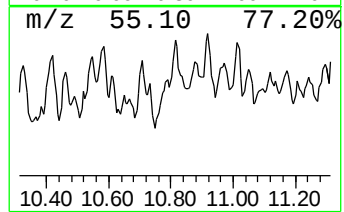
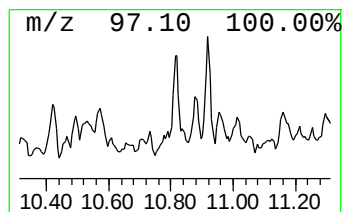
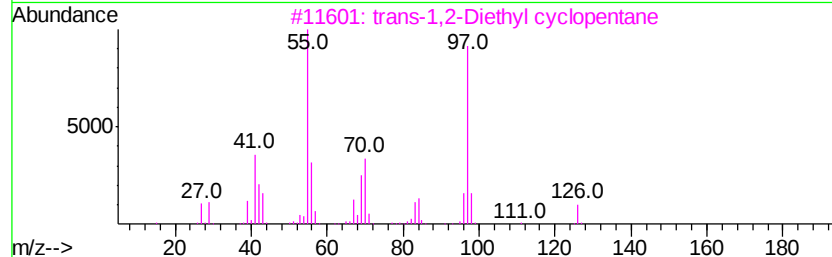
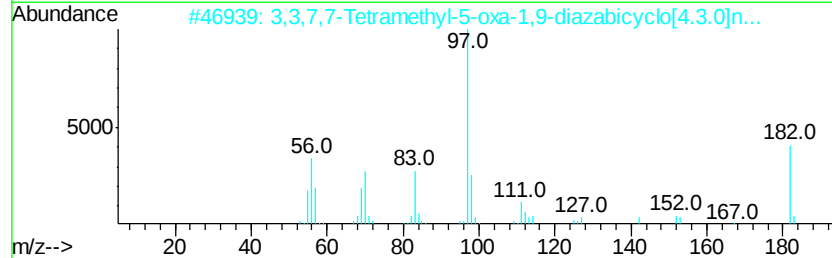
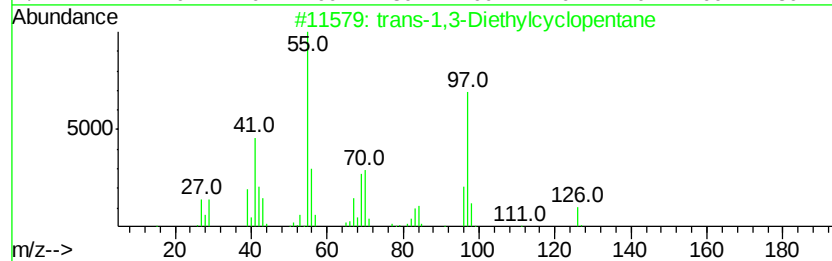
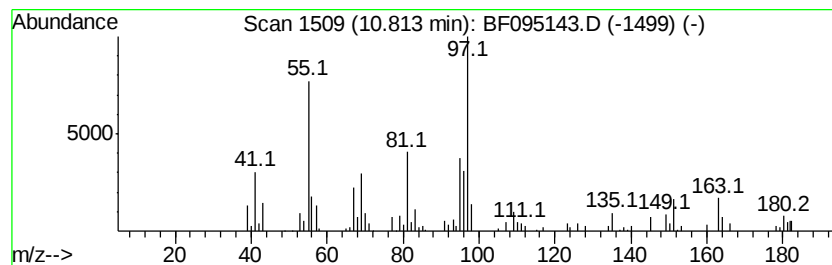
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown10.81 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	7.51 ng	296969	Napthalene-d8	9.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1,3-Diethylcyclopentane			126	C9H18	1000113-87-1	46
2	3,3,7,7-Tetramethyl-5-oxa-1,9-di...			182	C10H18N2O	090832-25-0	45
3	trans-1,2-Diethyl cyclopentane			126	C9H18	000932-40-1	43
4	4-Undecene, 6-methyl-			168	C12H24	1000061-85-4	38
5	Cyclohexane, 1,1-dimethyl-			112	C8H16	000590-66-9	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095143.D
Acq On : 16 May 2017 00:36
Operator : SJ/MA
Sample : I3140-12 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

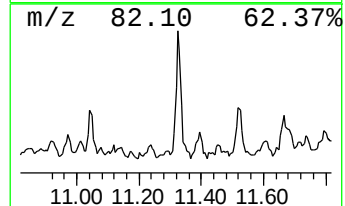
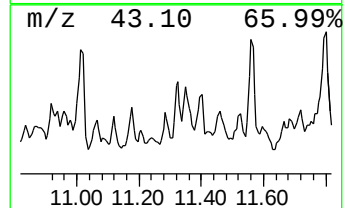
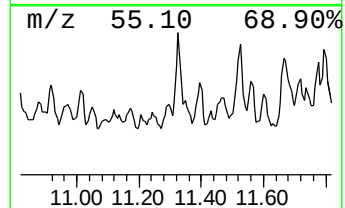
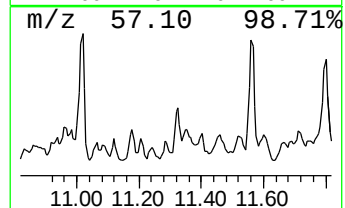
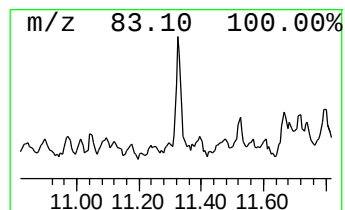
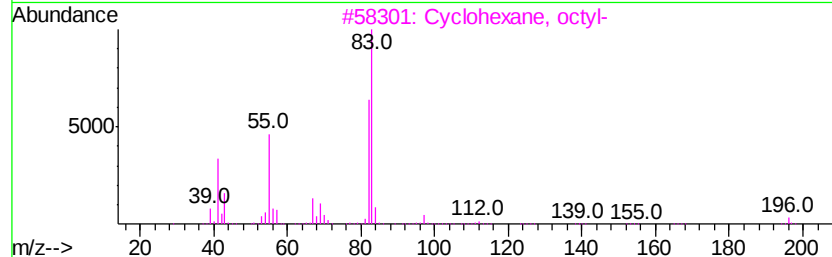
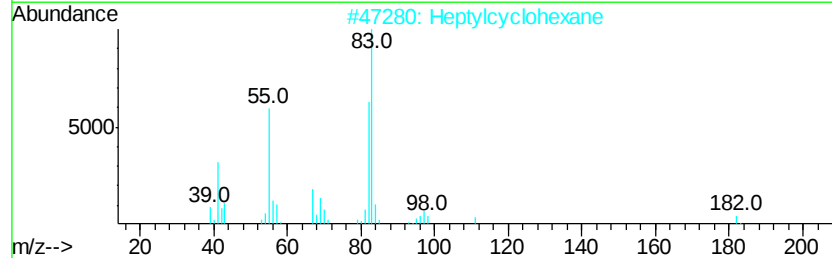
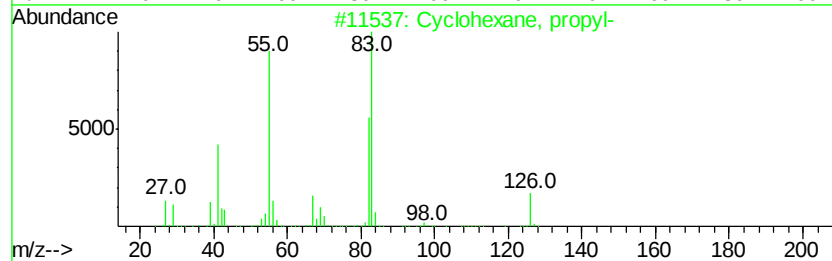
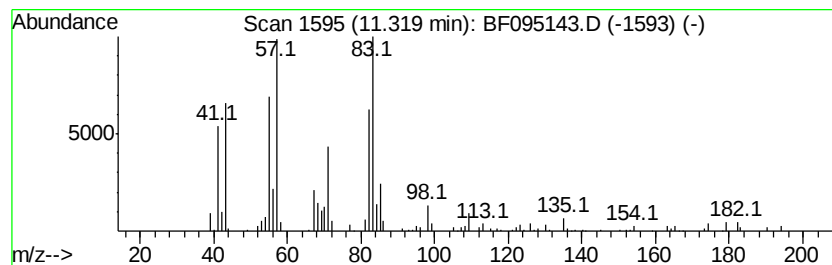
Instrument :
BNA_F
ClientSampleId :
TP-7-1.5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Cyclohexane, propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.32	10.11 ng	213461	Acenaphthene-d10		12.63	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, propyl-	126	C9H18	001678-92-8	58
2		Heptylcvclohexane	182	C13H26	005617-41-4	58
3		Cvclohexane, octyl-	196	C14H28	001795-15-9	53
4		Cvclohexane, butyl-	140	C10H20	001678-93-9	52
5		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095143.D
Acq On : 16 May 2017 00:36
Operator : SJ/MA
Sample : I3140-12 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

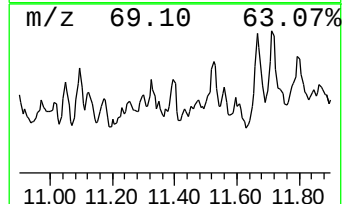
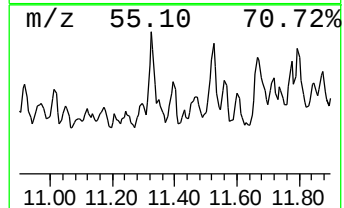
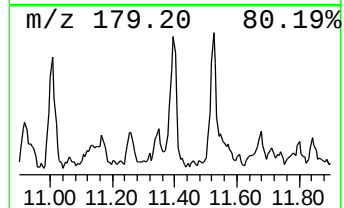
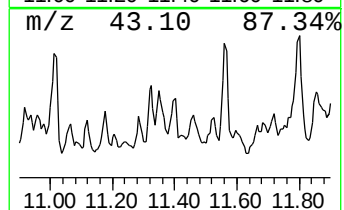
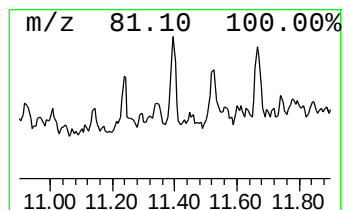
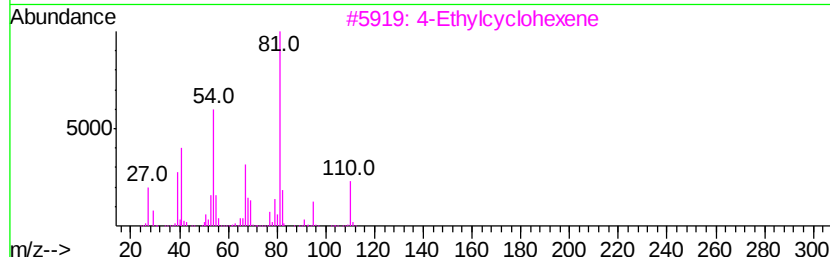
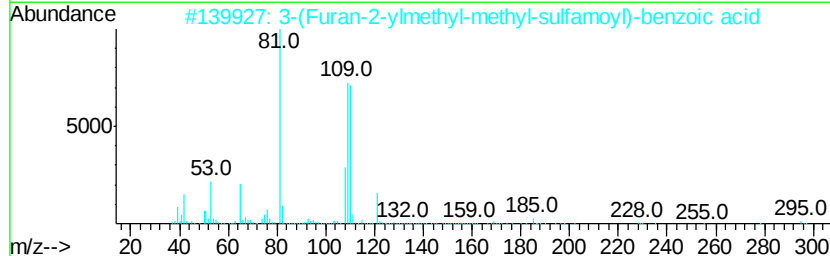
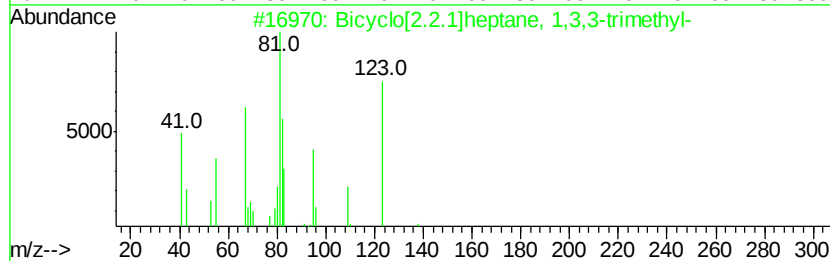
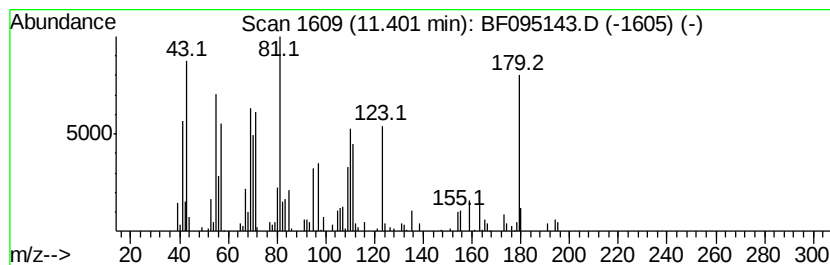
Instrument :
BNA_F
ClientSampleId :
TP-7-1.5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown11.40 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.40	7.57 ng	159977	Acenaphthene-d10	12.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 1,3,3-tri...	138	C10H18	006248-88-0	46
2	3-(Furan-2-ylmethyl-methyl-sulfa...	295	C13H13N05S	1000300-37-8	35
3	4-Ethylcyclohexene	110	C8H14	003742-42-5	30
4	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	27
5	Furan, 2,3,5-trimethyl-	110	C7H10O	010504-04-8	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095143.D
Acq On : 16 May 2017 00:36
Operator : SJ/MA
Sample : I3140-12 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

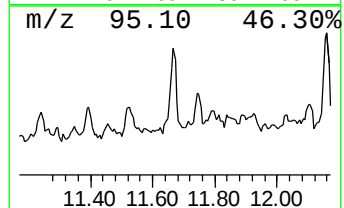
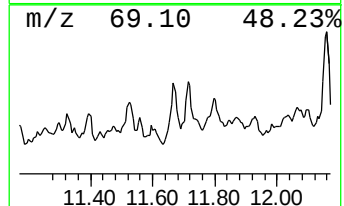
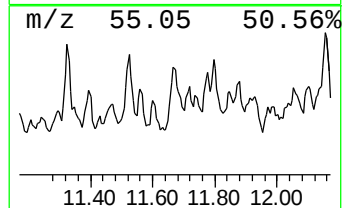
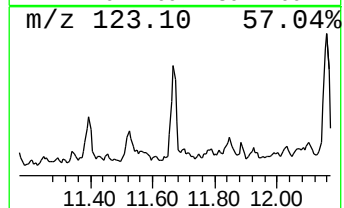
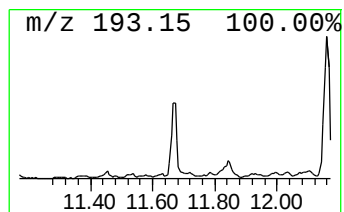
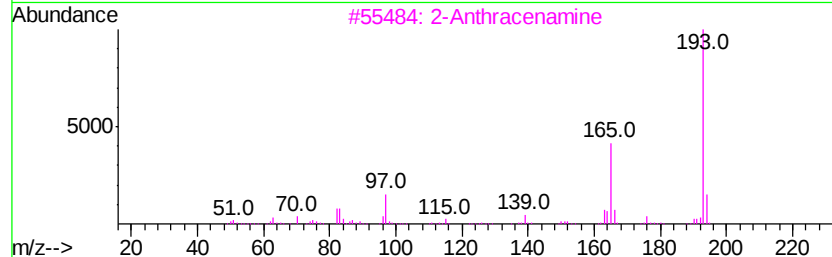
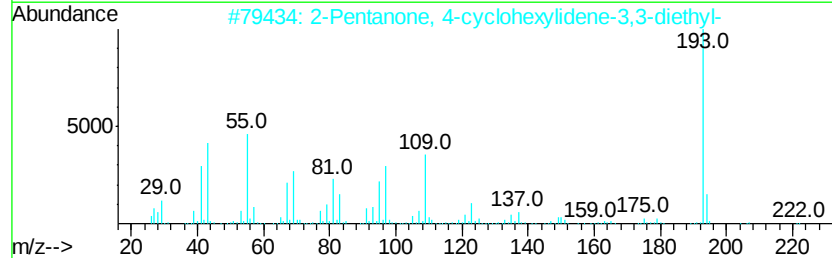
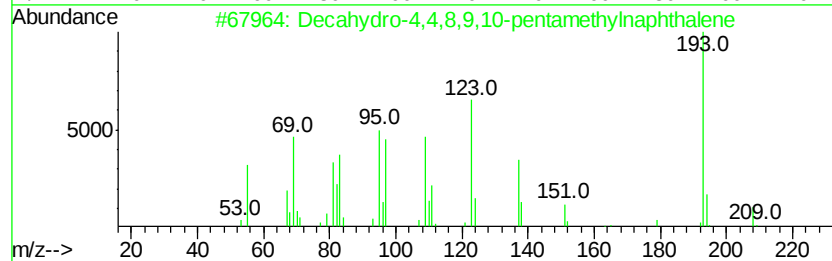
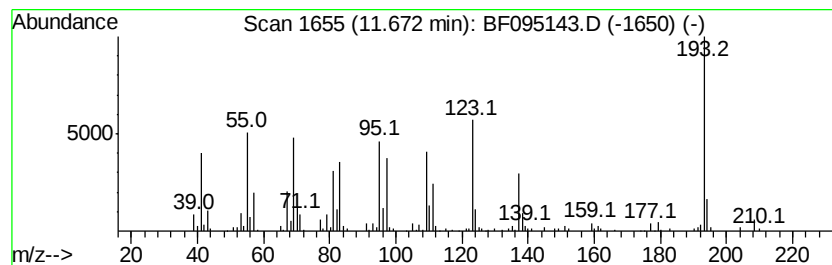
Instrument :
BNA_F
ClientSampleId :
TP-7-1.5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Decahydro-4,4,8,9,10-pentam... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.67	18.58 ng	392388	Acenaphthene-d10	12.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	91
2	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	50
3	2-Anthracenamine	193	C14H11N	000613-13-8	22
4	9-Phenanthrenamine	193	C14H11N	000947-73-9	22
5	Cyclohexane, 1,1',1''-(1-ethanyl...	276	C20H36	055682-86-5	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095143.D
Acq On : 16 May 2017 00:36
Operator : SJ/MA
Sample : I3140-12 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-7-1.5

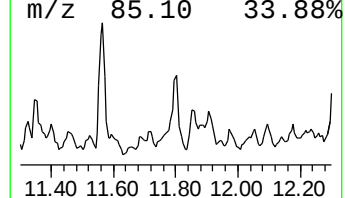
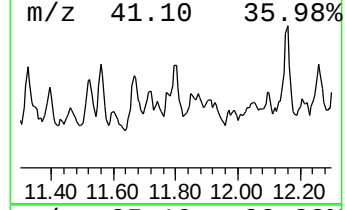
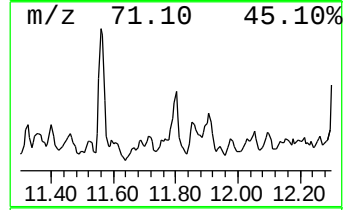
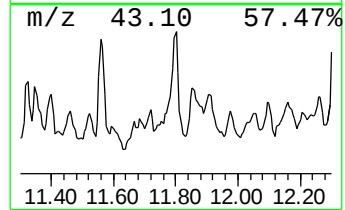
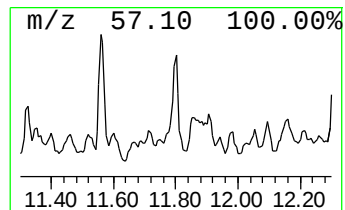
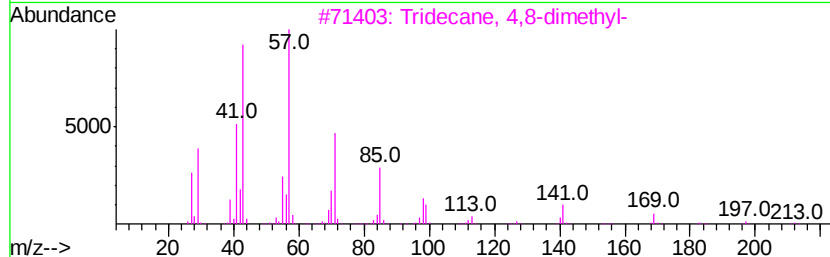
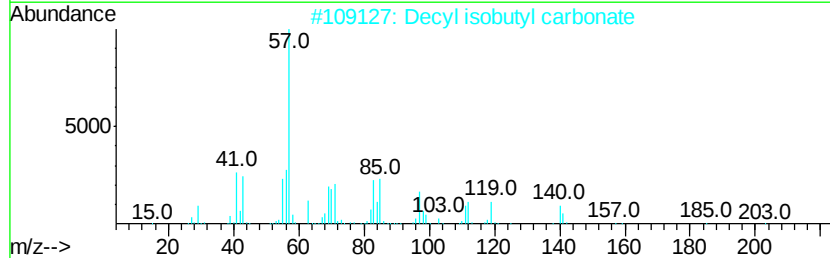
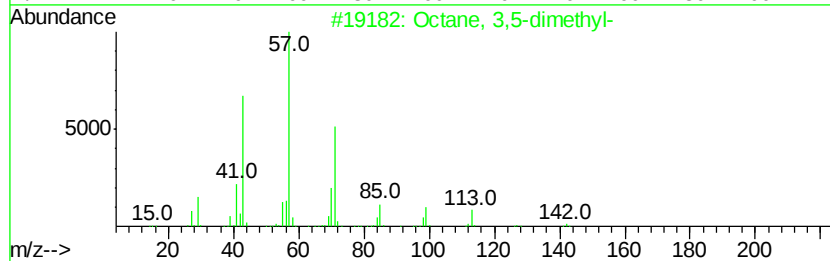
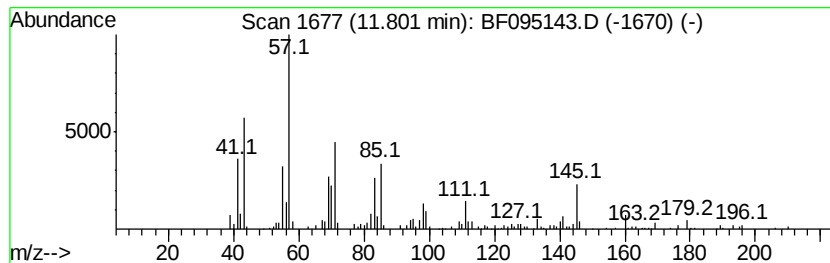
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Octane, 3,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	18.70 ng	394902	Acenaphthene-d10	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	60
2	Decyl isobutyl carbonate	258	C15H30O3	959226-07-4	59
3	Tridecane, 4,8-dimethyl-	212	C15H32	055030-62-1	53
4	Oxalic acid, 6-ethyloct-3-yl hep...	328	C19H36O4	1000309-34-5	49
5	Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095143.D
Acq On : 16 May 2017 00:36
Operator : SJ/MA
Sample : I3140-12 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

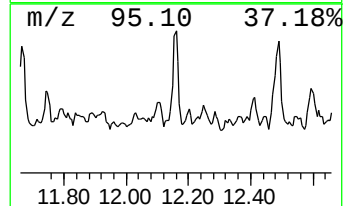
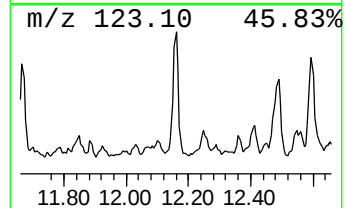
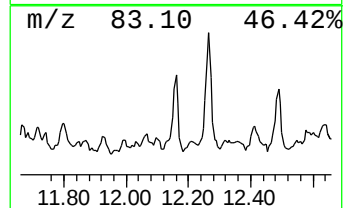
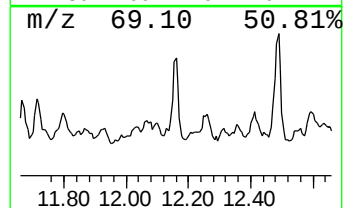
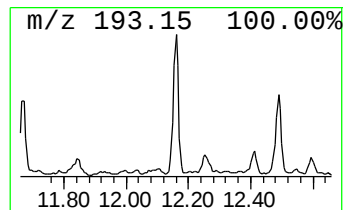
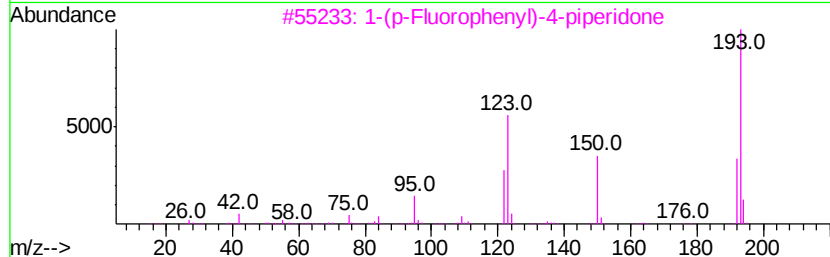
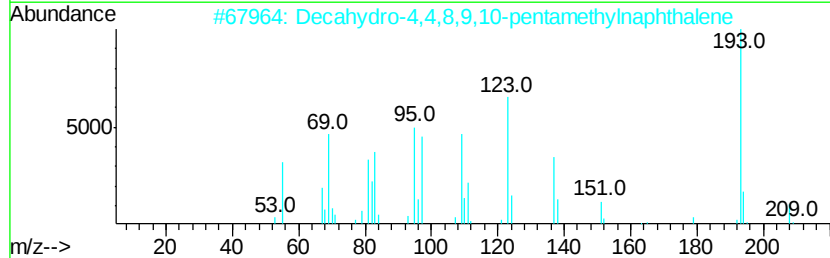
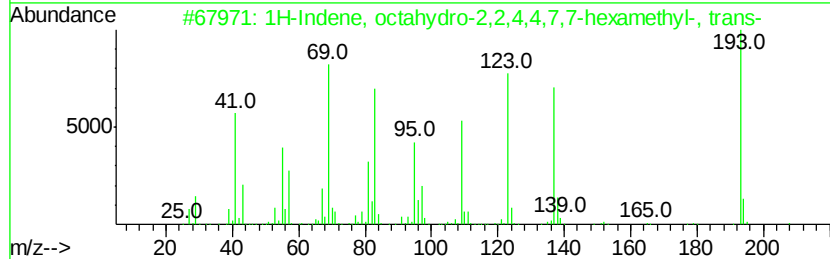
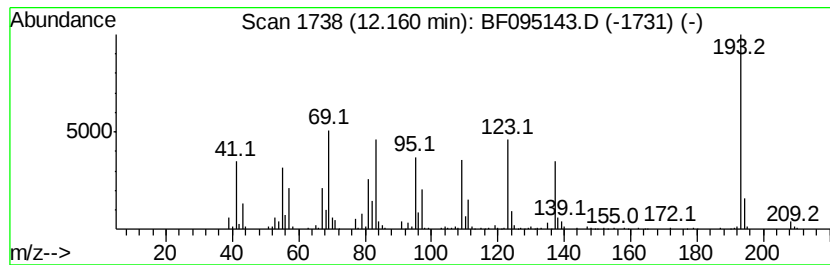
Instrument :
BNA_F
ClientSampleId :
TP-7-1.5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown12.16 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	27.67 ng	584554	Acenaphthene-d10	12.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1H-Indene, octahydro-2,2,4,4,7,7...	208 C15H28	054832-83-6 45
2		Decahydro-4,4,8,9,10-pentamethyl...	208 C15H28	080655-44-3 38
3		1-(p-Fluorophenyl)-4-piperidone	193 C11H12FN0	1000238-56-7 37
4		2-Pentanone, 4-cyclohexylidene-3...	222 C15H26O	313253-65-5 32
5		1-Anthracenamine	193 C14H11N	000610-49-1 27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051517\
Data File : BF095143.D
Acq On : 16 May 2017 00:36
Operator : SJ/MA
Sample : I3140-12 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

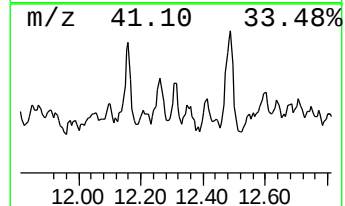
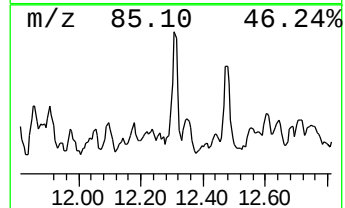
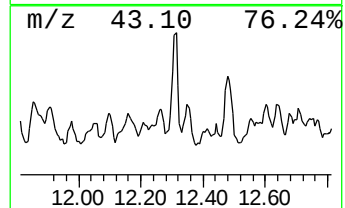
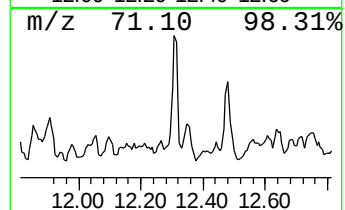
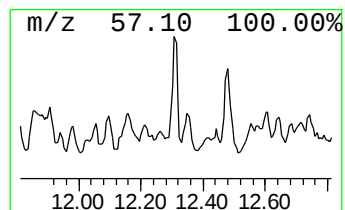
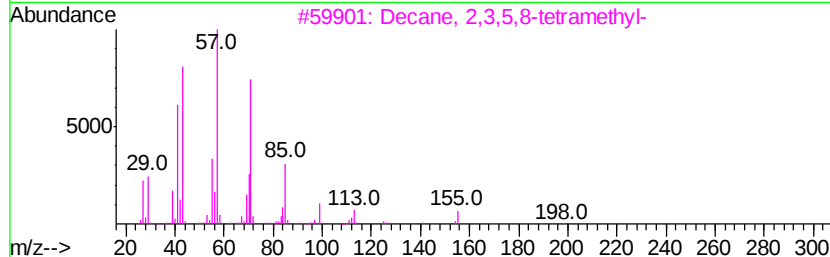
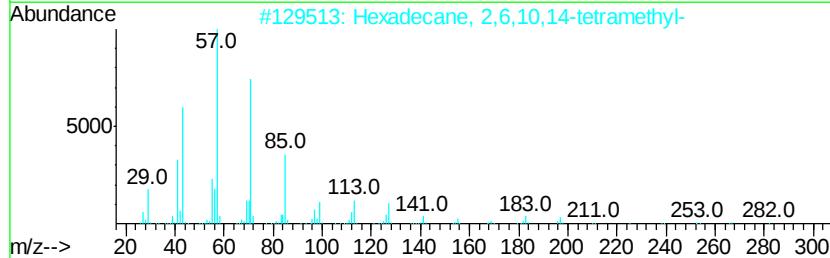
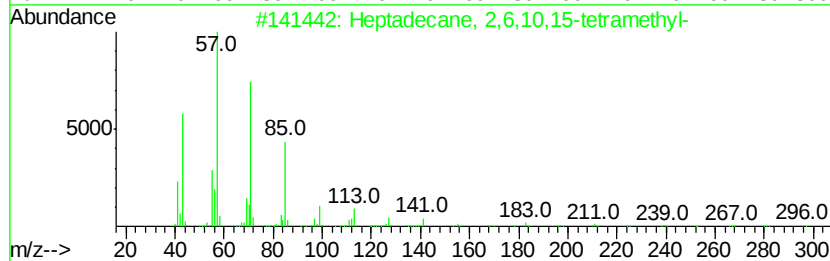
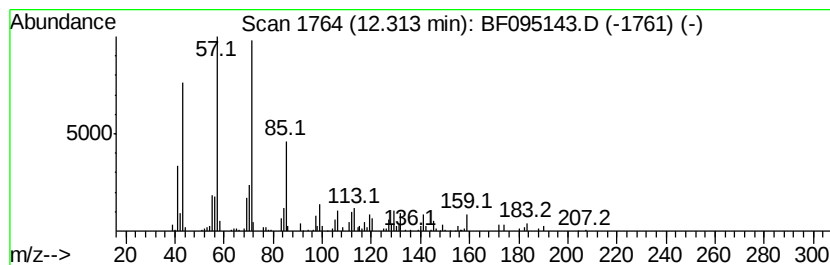
Instrument :
BNA_F
ClientSampleId :
TP-7-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Heptadecane, 2,6,10,15-tetr... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.31	9.37 ng	197834	Acenaphthene-d10		12.63
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	64
3	Decane, 2,3,5,8-tetramethyl-	198	C14H30	192823-15-7	58
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	58
5	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095143.D
Acq On : 16 May 2017 00:36
Operator : SJ/MA
Sample : I3140-12 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

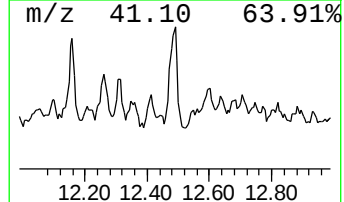
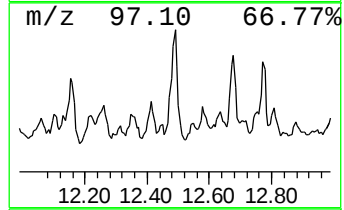
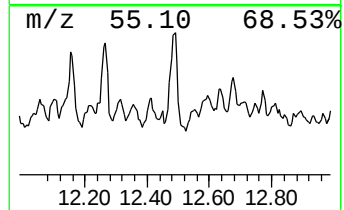
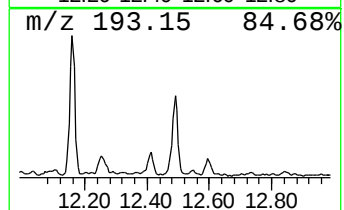
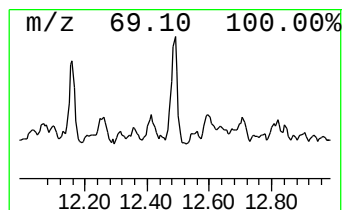
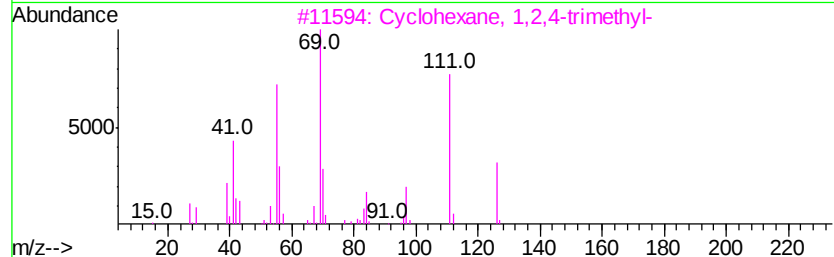
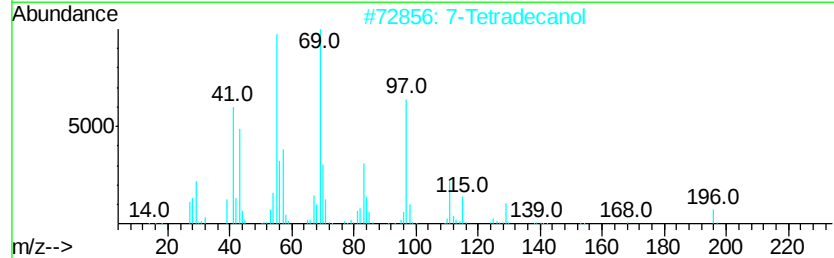
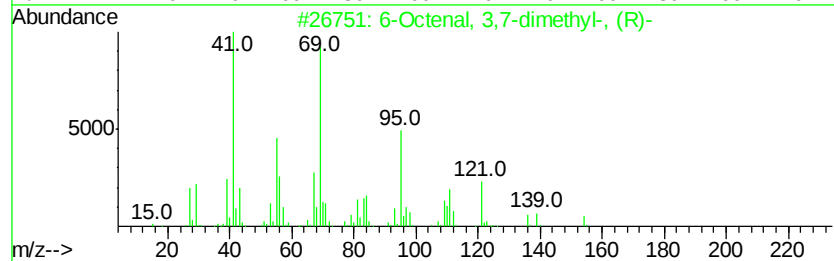
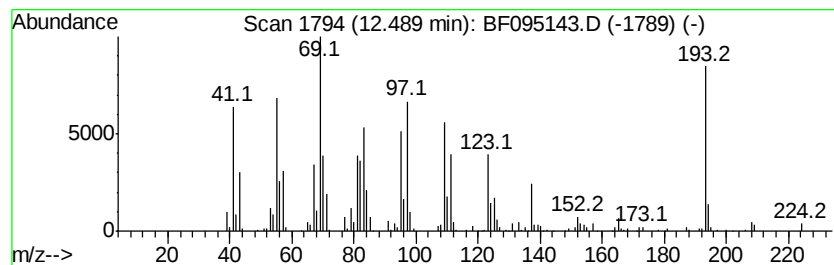
Instrument :
BNA_F
ClientSampleId :
TP-7-1.5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown12.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.49	35.59 ng	751799	Acenaphthene-d10		12.63
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Octenal, 3,7-dimethyl-, (R)-	154	C10H18O	002385-77-5	27
2	7-Tetradecanol	214	C14H30O	003981-79-1	22
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	22
4	Decane, 2-cyclohexyl-	224	C16H32	013151-73-0	14
5	Acridine, 9-methyl-	193	C14H11N	000611-64-3	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051517\
Data File : BF095143.D
Acq On : 16 May 2017 00:36
Operator : SJ/MA
Sample : I3140-12 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-7-1.5

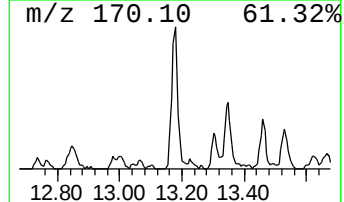
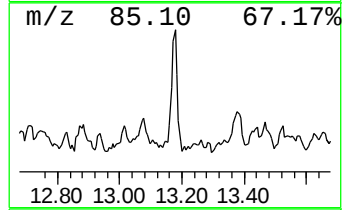
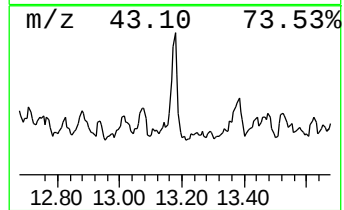
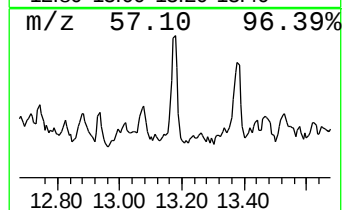
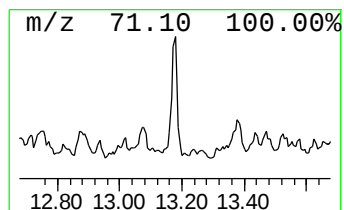
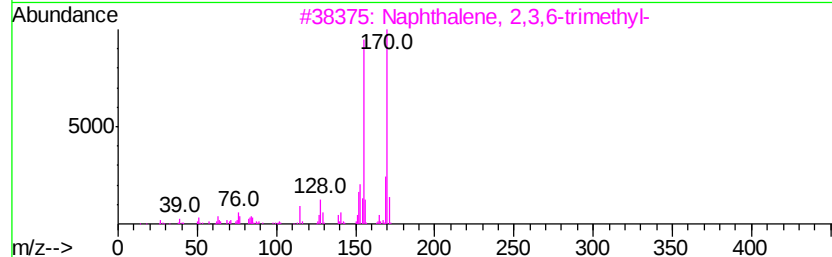
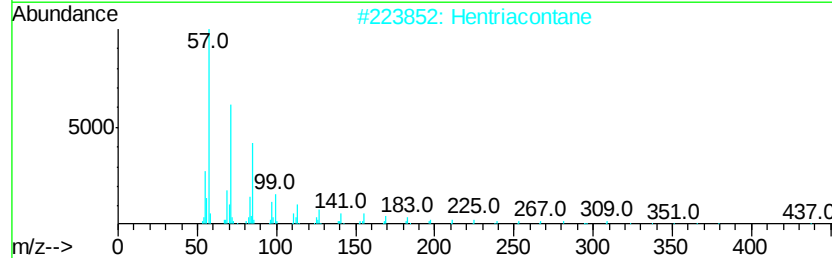
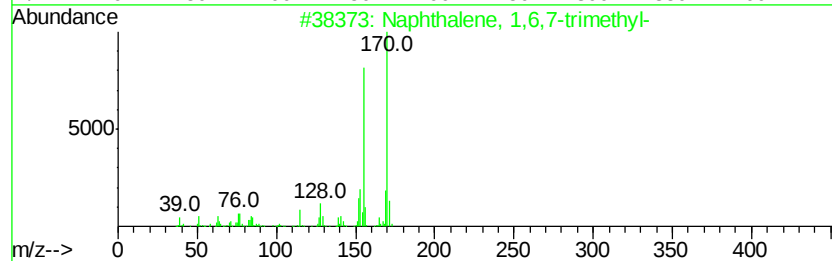
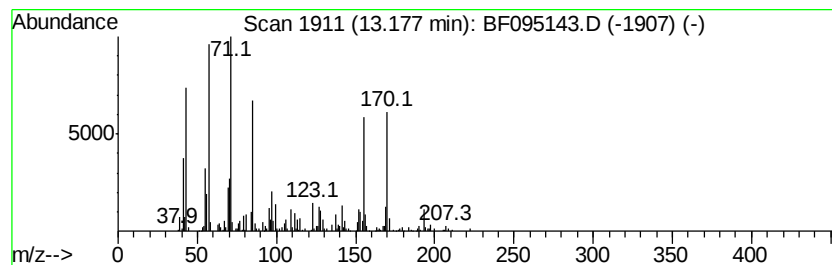
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Naphthalene, 1,6,7-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	23.27 ng	491606	Acenaphthene-d10	12.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
2		Hentriacontane	437	C31H64	000630-04-6	46
3		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	42
4		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	38
5		Nonadecane	268	C19H40	000629-92-5	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051517\
Data File : BF095143.D
Acq On : 16 May 2017 00:36
Operator : SJ/MA
Sample : I3140-12 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

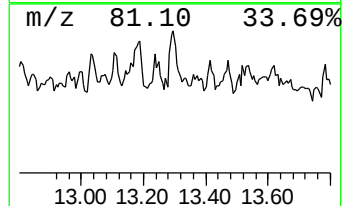
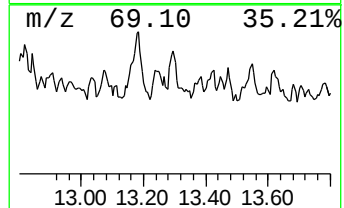
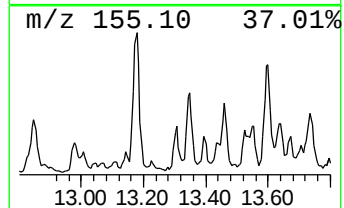
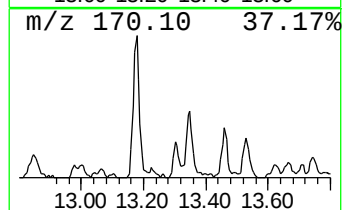
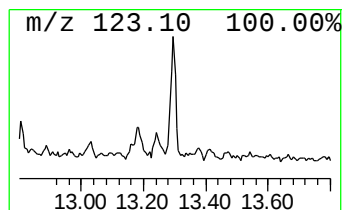
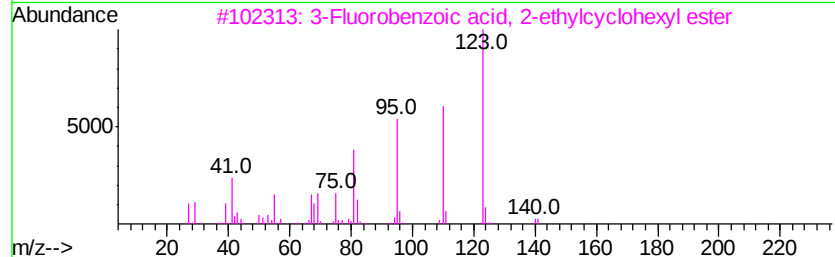
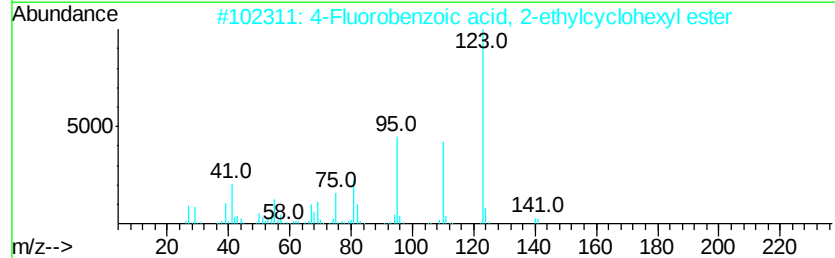
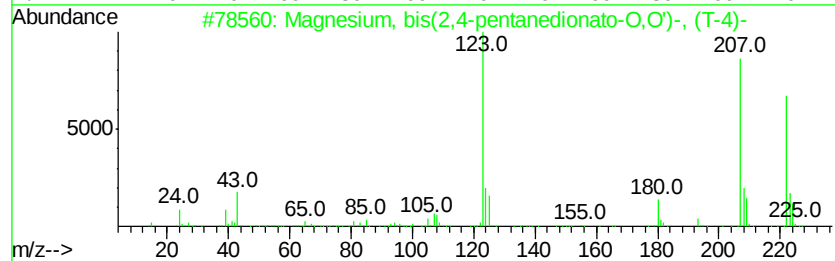
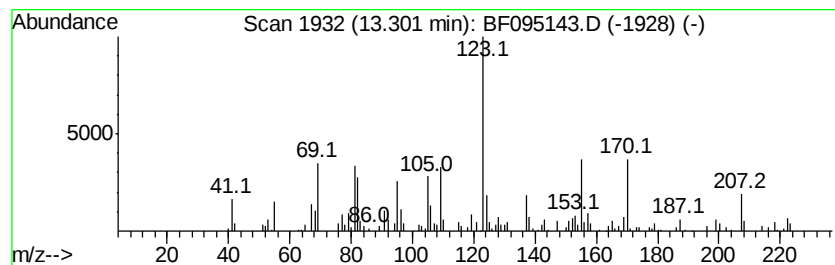
Instrument :
BNA_F
ClientSampleId :
TP-7-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Magnesium, bis(2,4-pentaned... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	7.91 ng	167000	Acenaphthene-d10	12.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Magnesium, bis(2,4-pentanedionat...	222 C10H14MqO4	014024-56-7 50
2		4-Fluorobenzoic acid, 2-ethylcyc...	250 C15H19F02	1000279-06-0 47
3		3-Fluorobenzoic acid, 2-ethylcyc...	250 C15H19F02	1000279-04-9 47
4		Pyrindine, 1,2,3,6-tetrahydro-1-(...	153 C9H15N0	057150-46-6 46
5		2-Fluorobenzoic acid, cyclobutyl...	194 C11H11F02	1000282-95-8 43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051517\
Data File : BF095143.D
Acq On : 16 May 2017 00:36
Operator : SJ/MA
Sample : I3140-12 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

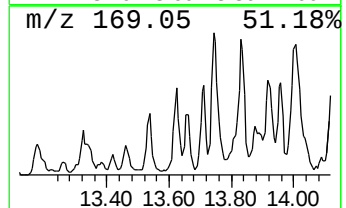
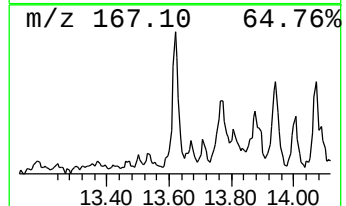
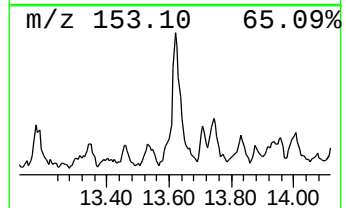
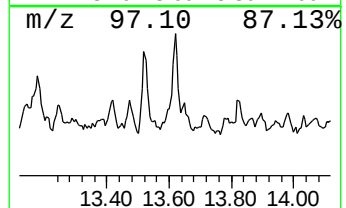
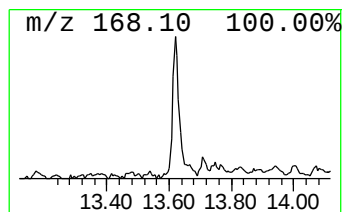
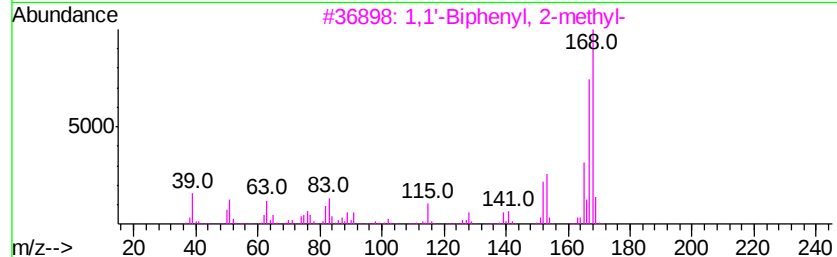
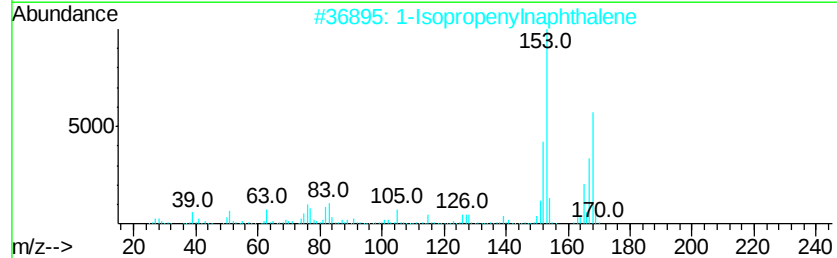
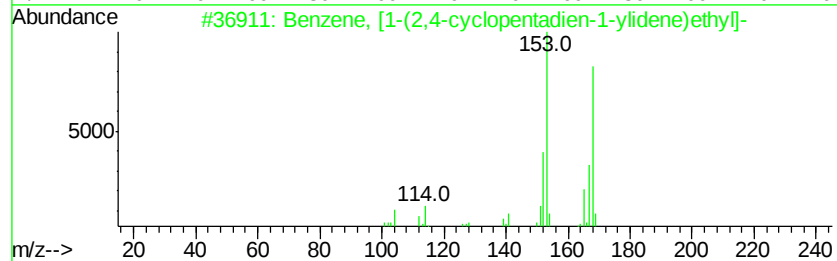
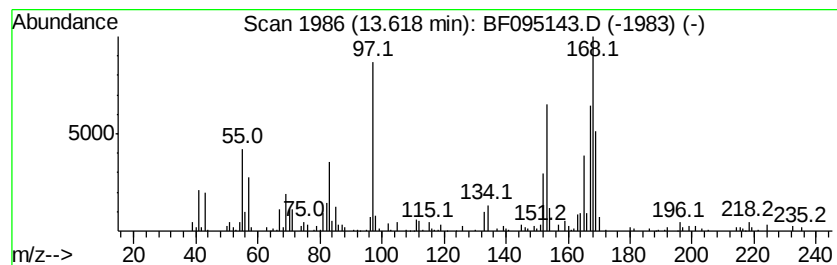
Instrument :
BNA_F
ClientSampleId :
TP-7-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown13.62 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	9.31 ng	196693	Acenaphthene-d10	12.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, [1-(2,4-cyclopentadien-...	168 C13H12	002320-32-3 46
2		1-Isopropenylnaphthalene	168 C13H12	001855-47-6 45
3		1,1'-Biphenyl, 2-methyl-	168 C13H12	000643-58-3 35
4		1,1'-Biphenyl, 4-methyl-	168 C13H12	000644-08-6 30
5		2-Amino-5-ethyl-6-methyl-pyrimid...	169 C7H11N3S	1000277-71-7 27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051517\
Data File : BF095143.D
Acq On : 16 May 2017 00:36
Operator : SJ/MA
Sample : I3140-12 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-7-1.5

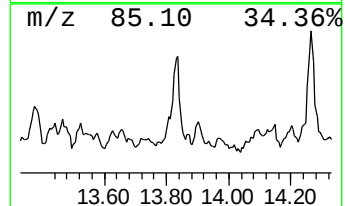
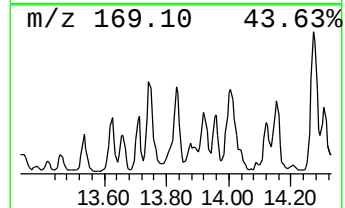
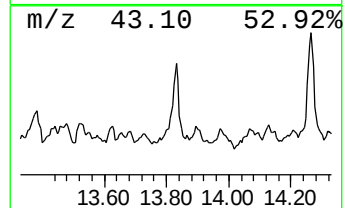
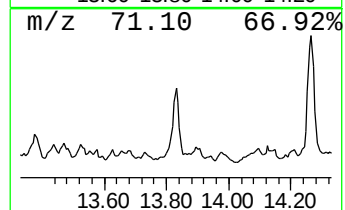
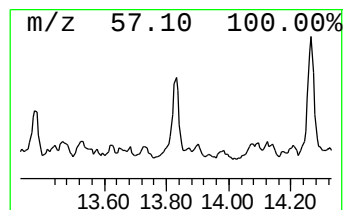
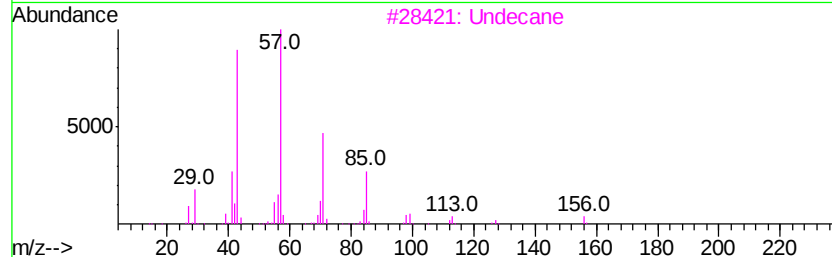
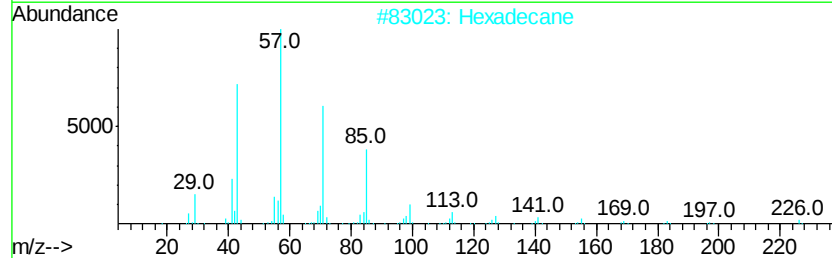
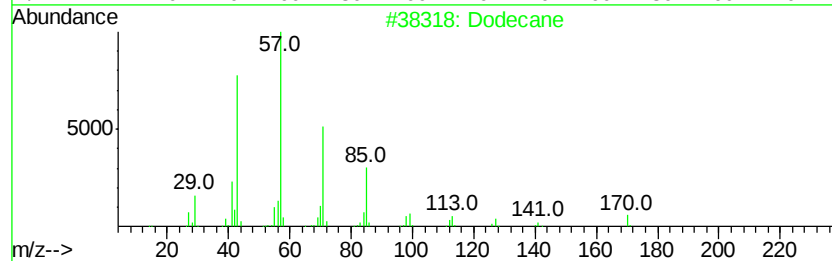
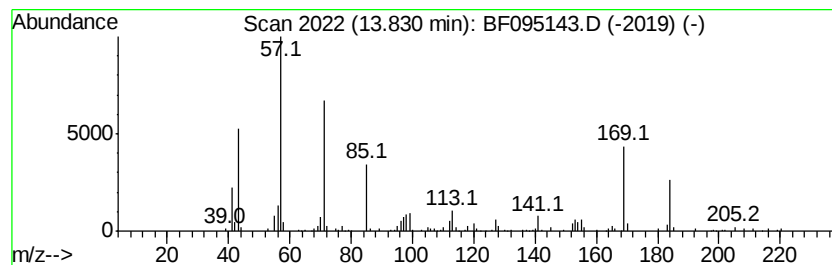
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Dodecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	11.77 ng	248564	Acenaphthene-d10	12.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	60
2		Hexadecane	226	C16H34	000544-76-3	47
3		Undecane	156	C11H24	001120-21-4	46
4		Tetracosane	338	C24H50	000646-31-1	46
5		Pentadecane	212	C15H32	000629-62-9	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051517\
Data File : BF095143.D
Acq On : 16 May 2017 00:36
Operator : SJ/MA
Sample : I3140-12 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-7-1.5

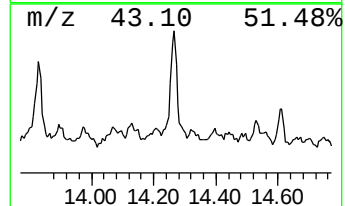
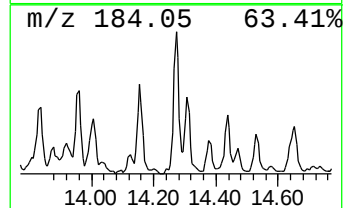
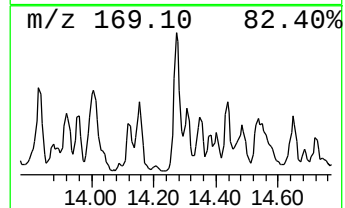
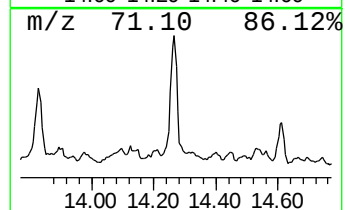
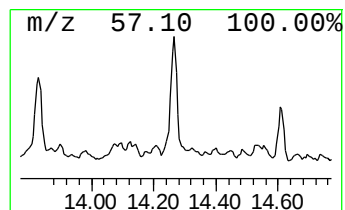
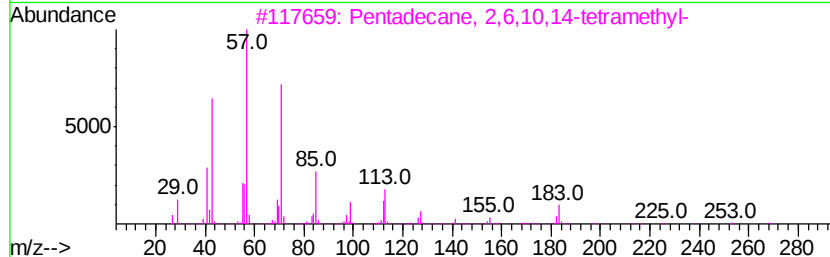
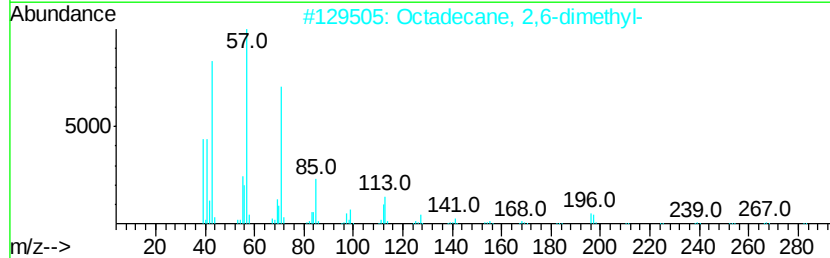
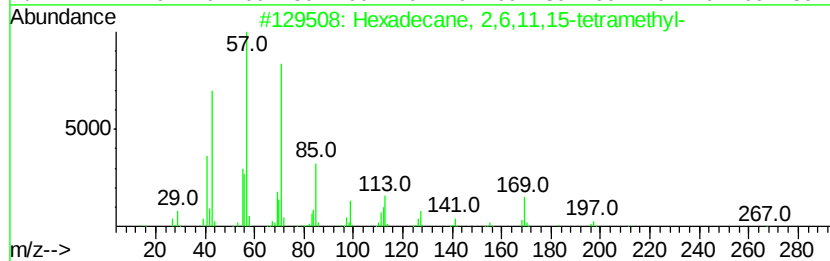
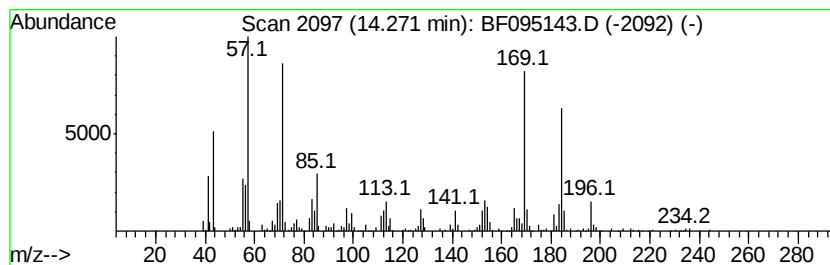
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Hexadecane, 2,6,11,15-tetra... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	15.29 ng	444134	Phenanthrene-d10	15.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	64
2		Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	62
3		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	58
4		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	58
5		Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051517\
 Data File : BF095143.D
 Acq On : 16 May 2017 00:36
 Operator : SJ/MA
 Sample : I3140-12 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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
unknown7.45	7.45	25.3	ng	436370	1	7.78	344883	20.0
Undecane, 3,6-dim...	10.00	9.6	ng	379229	2	9.80	791304	20.0
Cyclohexane, 2-bu...	10.16	7.6	ng	300295	2	9.80	791304	20.0
Nonane, 4-methyl-...	10.58	7.5	ng	294992	2	9.80	791304	20.0
unknown10.81	10.81	7.5	ng	296969	2	9.80	791304	20.0
Cyclohexane, propyl-	11.32	10.1	ng	213461	3	12.63	422452	20.0
unknown11.40	11.40	7.6	ng	159977	3	12.63	422452	20.0
Decahydro-4,4,8,9...	11.67	18.6	ng	392388	3	12.63	422452	20.0
Octane, 3,5-dimet...	11.80	18.7	ng	394902	3	12.63	422452	20.0
unknown12.16	12.16	27.7	ng	584554	3	12.63	422452	20.0
Heptadecane, 2,6,...	12.31	9.4	ng	197834	3	12.63	422452	20.0
unknown12.49	12.49	35.6	ng	751799	3	12.63	422452	20.0
Naphthalene, 1,6,...	13.18	23.3	ng	491606	3	12.63	422452	20.0
Magnesium, bis(2,...	13.30	7.9	ng	167000	3	12.63	422452	20.0
unknown13.62	13.62	9.3	ng	196693	3	12.63	422452	20.0
Dodecane	13.83	11.8	ng	248564	3	12.63	422452	20.0
Hexadecane, 2,6,1...	14.27	15.3	ng	444134	4	15.04	580935	20.0