

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
 Data File : BF096186.D
 Acq On : 24 Jun 2017 12:54
 Operator : SJ/MA
 Sample : I3872-04 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-062217-B

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-BF060517.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	1.540	7	9	33	rBV	543243	1028091	100.00%	6.472%
2	5.186	626	629	647	rBV	44366	176454	17.16%	1.111%
3	6.657	873	879	883	rBV2	23013	43688	4.25%	0.275%
4	6.851	907	912	915	rBV2	29585	44305	4.31%	0.279%
5	6.880	915	917	925	rBV2	49908	122058	11.87%	0.768%
6	6.945	925	928	934	rVV	130375	265051	25.78%	1.669%
7	6.992	934	936	940	rVB2	66258	70561	6.86%	0.444%
8	7.069	945	949	956	rVB	82707	115431	11.23%	0.727%
9	7.263	977	982	993	rBV	259868	403716	39.27%	2.542%
10	7.357	993	998	1003	rVB3	81305	110046	10.70%	0.693%
11	7.498	1019	1022	1031	rBV2	162769	318493	30.98%	2.005%
12	7.739	1060	1063	1068	rVB	31966	49509	4.82%	0.312%
13	7.816	1068	1076	1077	rBV4	53270	94024	9.15%	0.592%
14	7.963	1098	1101	1111	rVB	38298	66470	6.47%	0.418%
15	8.045	1111	1115	1118	rBV2	30146	44494	4.33%	0.280%
16	8.151	1127	1133	1139	rBV2	69396	117122	11.39%	0.737%
17	8.210	1139	1143	1154	rBV2	65199	150433	14.63%	0.947%
18	8.310	1154	1160	1169	rVV3	147901	234293	22.79%	1.475%
19	8.380	1169	1172	1178	rVB6	34295	57706	5.61%	0.363%
20	8.527	1193	1197	1201	rVB2	84438	97246	9.46%	0.612%
21	8.569	1201	1204	1207	rBV2	42070	55794	5.43%	0.351%
22	8.598	1207	1209	1213	rVB	38422	43042	4.19%	0.271%
23	8.704	1220	1227	1229	rBV4	45634	79886	7.77%	0.503%
24	8.774	1235	1239	1242	rBV6	39589	61382	5.97%	0.386%
25	8.898	1255	1260	1261	rBV2	81348	96174	9.35%	0.605%
26	8.922	1261	1264	1267	rVV3	103889	131089	12.75%	0.825%
27	8.998	1273	1277	1278	rBV2	37891	45441	4.42%	0.286%
28	9.016	1278	1280	1283	rVB2	51345	48910	4.76%	0.308%
29	9.051	1283	1286	1290	rBV4	62943	123393	12.00%	0.777%
30	9.157	1300	1304	1310	rVB	44759	69580	6.77%	0.438%
31	9.216	1310	1314	1318	rBV3	36305	56124	5.46%	0.353%
32	9.298	1319	1328	1332	rBV	427949	720736	70.10%	4.537%
33	9.398	1340	1345	1352	rVB2	278882	374271	36.40%	2.356%
34	9.521	1359	1366	1371	rVB2	124308	188496	18.33%	1.187%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062417\
 Data File : BF096186.D
 Acq On : 24 Jun 2017 12:54
 Operator : SJ/MA
 Sample : I3872-04 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-062217-B

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-BF060517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.604	1377	1380	1383	rVV3	32501	52015	5.06%	0.327%
36	9.633	1383	1385	1387	rVV	45647	56606	5.51%	0.356%
37	9.663	1387	1390	1395	rVV4	79796	122307	11.90%	0.770%
38	9.786	1405	1411	1415	rVV6	62018	118124	11.49%	0.744%
39	9.833	1415	1419	1428	rVV8	65680	141484	13.76%	0.891%
40	9.933	1433	1436	1438	rVV3	52980	72019	7.01%	0.453%
41	9.980	1442	1444	1447	rVB	54526	49783	4.84%	0.313%
42	10.033	1447	1453	1458	rBV5	92328	140337	13.65%	0.883%
43	10.104	1458	1465	1468	rBV2	155189	303499	29.52%	1.911%
44	10.133	1468	1470	1478	rVB2	119147	153101	14.89%	0.964%
45	10.210	1478	1483	1491	rVB8	40740	113181	11.01%	0.713%
46	10.386	1505	1513	1518	rVV2	355455	549373	53.44%	3.459%
47	10.468	1521	1527	1533	rVV6	83524	176859	17.20%	1.113%
48	10.539	1534	1539	1543	rVB2	75035	120716	11.74%	0.760%
49	10.616	1548	1552	1556	rVV4	68731	126582	12.31%	0.797%
50	10.657	1556	1559	1564	rVV2	95856	152149	14.80%	0.958%
51	10.704	1564	1567	1570	rVV2	45724	59722	5.81%	0.376%
52	10.839	1587	1590	1593	rBV2	104075	127818	12.43%	0.805%
53	10.880	1593	1597	1600	rVB3	54767	84976	8.27%	0.535%
54	10.921	1600	1604	1609	rVB4	51807	64760	6.30%	0.408%
55	10.974	1610	1613	1616	rBV	59691	66563	6.47%	0.419%
56	11.010	1616	1619	1621	rVV3	44033	53949	5.25%	0.340%
57	11.039	1621	1624	1627	rVV2	60710	78181	7.60%	0.492%
58	11.074	1627	1630	1635	rVB	359615	416468	40.51%	2.622%
59	11.304	1663	1669	1675	rBV2	326310	426854	41.52%	2.687%
60	11.374	1677	1681	1686	rBV7	45722	66442	6.46%	0.418%
61	11.421	1686	1689	1697	rVB7	30988	54260	5.28%	0.342%
62	11.486	1697	1700	1708	rBV7	47879	95908	9.33%	0.604%
63	11.598	1716	1719	1722	rBV2	41332	51785	5.04%	0.326%
64	11.639	1723	1726	1731	rVB6	52651	78290	7.62%	0.493%
65	11.721	1737	1740	1743	rVV3	47813	65405	6.36%	0.412%
66	11.774	1743	1749	1752	rVV6	57787	139154	13.54%	0.876%
67	11.821	1752	1757	1760	rVV2	117601	196725	19.13%	1.238%
68	11.857	1760	1763	1768	rVB4	53875	71159	6.92%	0.448%
69	11.915	1768	1773	1778	rBV3	49534	83280	8.10%	0.524%
70	11.980	1778	1784	1792	rVB10	37989	95766	9.31%	0.603%
71	12.115	1803	1807	1811	rBV2	400672	516913	50.28%	3.254%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062417\
 Data File : BF096186.D
 Acq On : 24 Jun 2017 12:54
 Operator : SJ/MA
 Sample : I3872-04 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-062217-B

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-BF060517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.162	1811	1815	1824	rVB2	204284	291910	28.39%	1.838%
73	12.468	1863	1867	1875	rVB	46582	83784	8.15%	0.527%
74	12.680	1898	1903	1907	rVV5	31293	56366	5.48%	0.355%
75	12.974	1948	1953	1956	rBV	84054	93836	9.13%	0.591%
76	13.015	1956	1960	1971	rVB	100565	154130	14.99%	0.970%
77	13.333	2009	2014	2018	rVB2	23455	44102	4.29%	0.278%
78	13.427	2025	2030	2044	rBV4	77312	165849	16.13%	1.044%
79	13.745	2080	2084	2094	rBV	53715	103653	10.08%	0.653%
80	14.474	2204	2208	2210	rVV	38157	42308	4.12%	0.266%
81	14.509	2210	2214	2217	rVV	364647	434824	42.29%	2.737%
82	14.545	2217	2220	2232	rVB	315400	457134	44.46%	2.878%
83	14.645	2232	2237	2245	rBV	81000	126597	12.31%	0.797%
84	15.327	2348	2353	2357	rBV2	37780	47455	4.62%	0.299%
85	15.368	2357	2360	2365	rVV	39500	49817	4.85%	0.314%
86	15.474	2375	2378	2382	rVV2	48250	72375	7.04%	0.456%
87	15.527	2384	2387	2396	rVB4	22005	43688	4.25%	0.275%
88	15.774	2425	2429	2435	rBV2	33867	54576	5.31%	0.344%
89	16.345	2520	2526	2532	rVB	266269	363234	35.33%	2.287%
90	16.645	2573	2577	2584	rBV	270378	365105	35.51%	2.299%
91	16.897	2616	2620	2627	rVB	207266	243796	23.71%	1.535%
92	17.127	2655	2659	2663	rVB	45328	61285	5.96%	0.386%
93	17.209	2669	2673	2678	rBV2	43954	58964	5.74%	0.371%
94	17.262	2678	2682	2686	rBV4	32318	48802	4.75%	0.307%
95	18.250	2845	2850	2854	rBV2	413152	583783	56.78%	3.675%
96	18.286	2854	2856	2864	rVB2	79569	132171	12.86%	0.832%
97	19.533	3064	3068	3071	rBV	106207	149222	14.51%	0.939%
98	19.821	3114	3117	3122	rBV	58171	81406	7.92%	0.512%
99	19.880	3124	3127	3132	rVV	80300	93200	9.07%	0.587%
100	19.927	3132	3135	3142	rBV	251594	334998	32.58%	2.109%

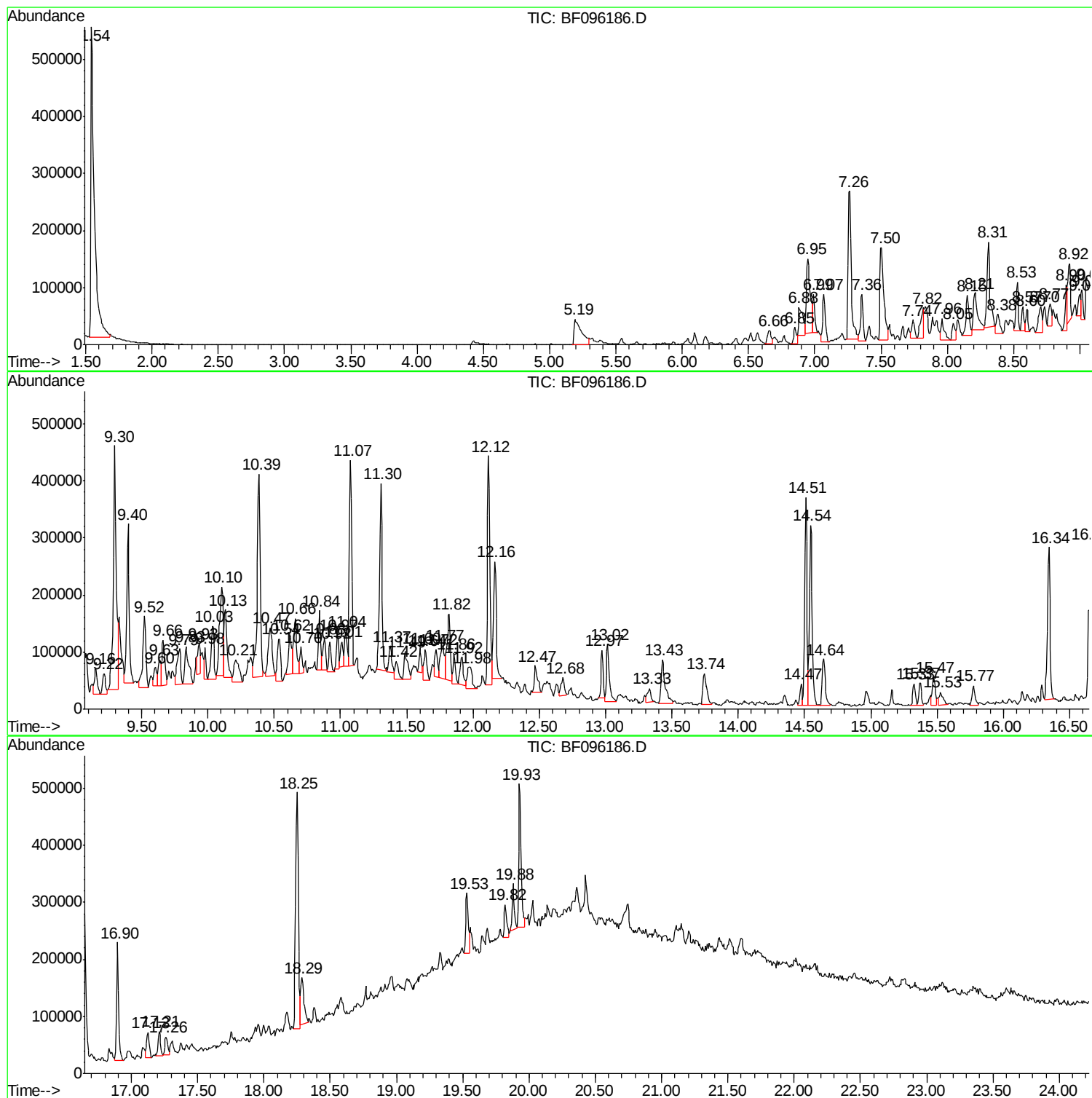
Sum of corrected areas: 15884392

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062417\
Data File : BF096186.D
Acq On : 24 Jun 2017 12:54
Operator : SJ/MA
Sample : I3872-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-062217-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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\BF062417\
Data File : BF096186.D
Acq On : 24 Jun 2017 12:54
Operator : SJ/MA
Sample : I3872-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-062217-B

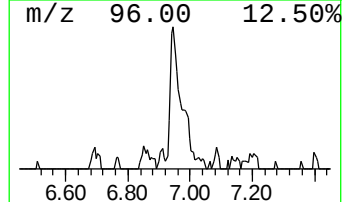
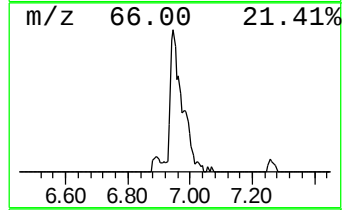
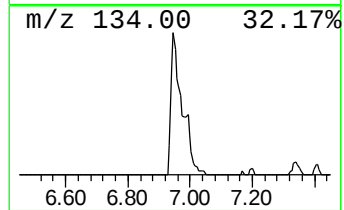
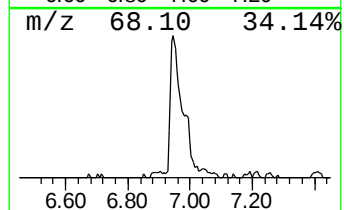
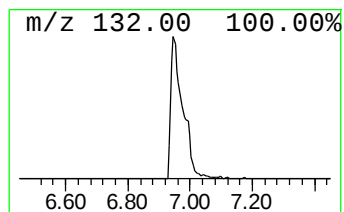
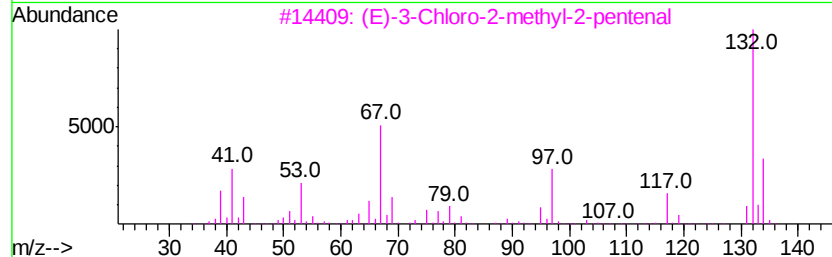
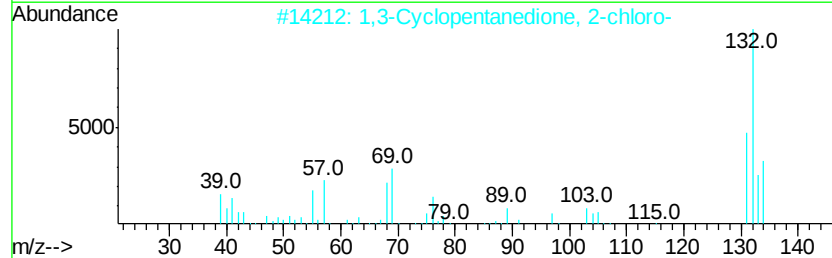
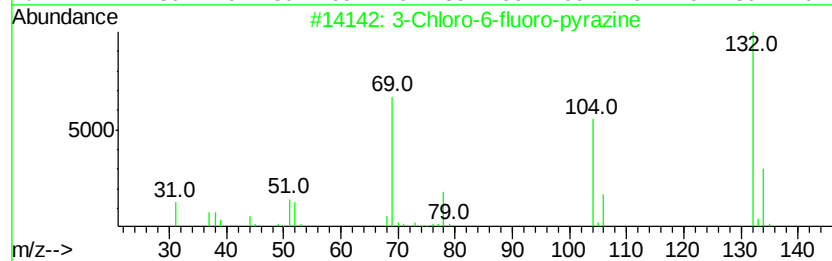
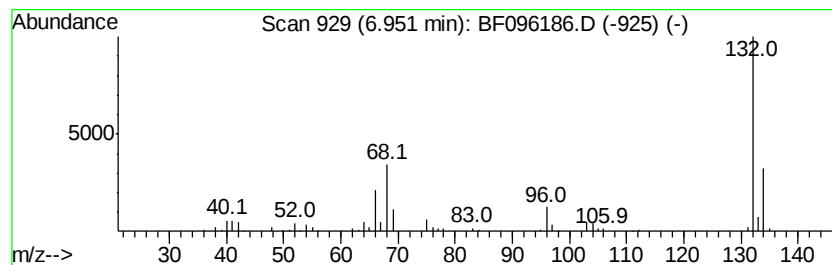
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.95 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.95	13.13 ng	265051	1,4-Dichlorobenzene-d4	7.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2		1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	23
3		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
4		N-(-phenylisopropyl)benzalimine	223	C16H17N	1000379-01-3	12
5		N-(-3,4-Methylenedioxyphenylisop...	267	C17H17NO2	1000378-96-6	12



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062417\
Data File : BF096186.D
Acq On : 24 Jun 2017 12:54
Operator : SJ/MA
Sample : I3872-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-062217-B

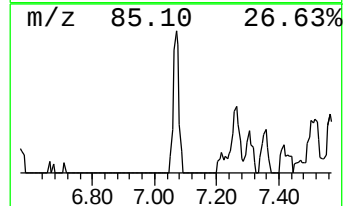
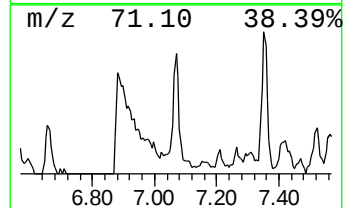
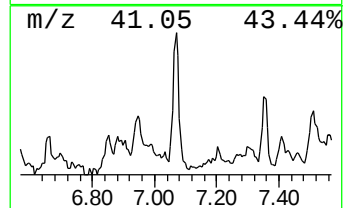
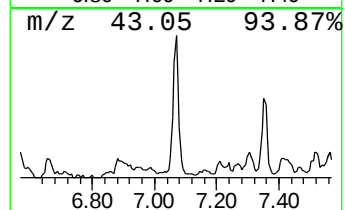
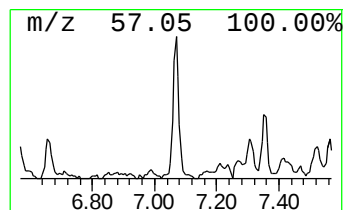
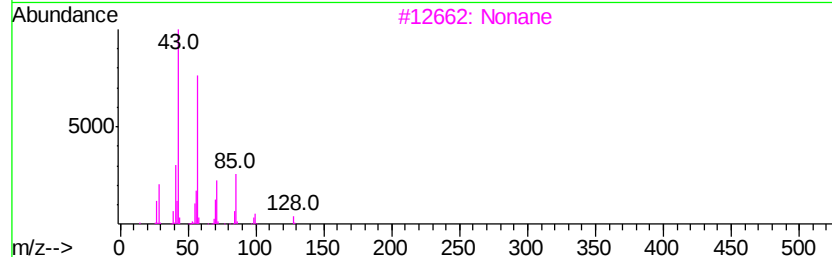
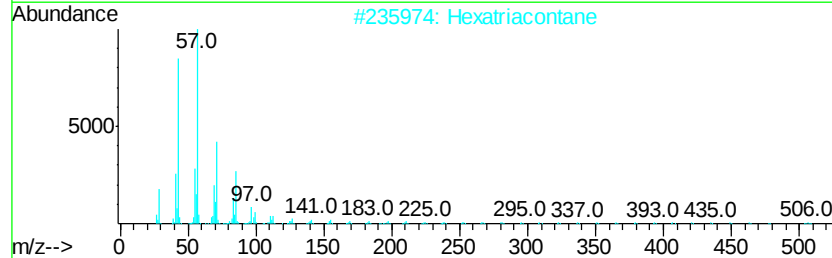
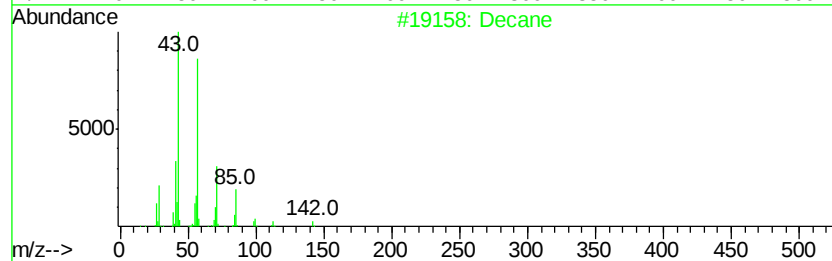
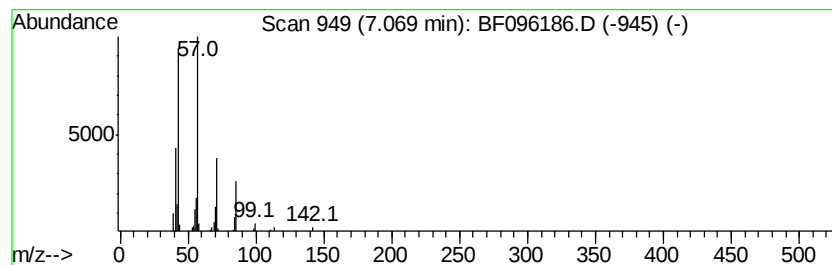
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Decane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	5.72 ng	115431	1,4-Dichlorobenzene-d4	7.26

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane		142	C10H22	000124-18-5	91
2	Hexatriacontane		507	C36H74	000630-06-8	78
3	Nonane		128	C9H20	000111-84-2	72
4	Octane		114	C8H18	000111-65-9	72
5	Hexadecane		226	C16H34	000544-76-3	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062417\
Data File : BF096186.D
Acq On : 24 Jun 2017 12:54
Operator : SJ/MA
Sample : I3872-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-062217-B

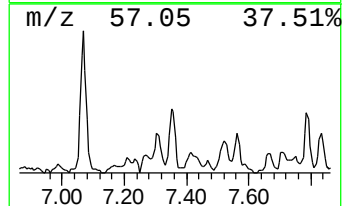
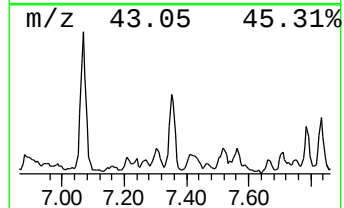
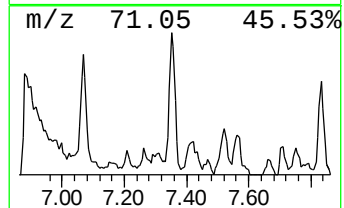
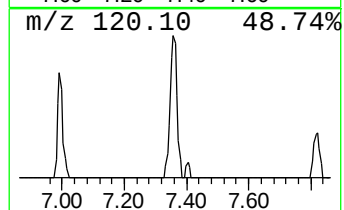
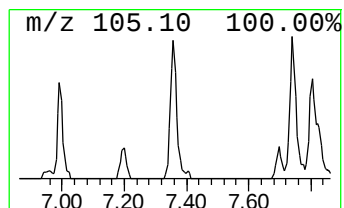
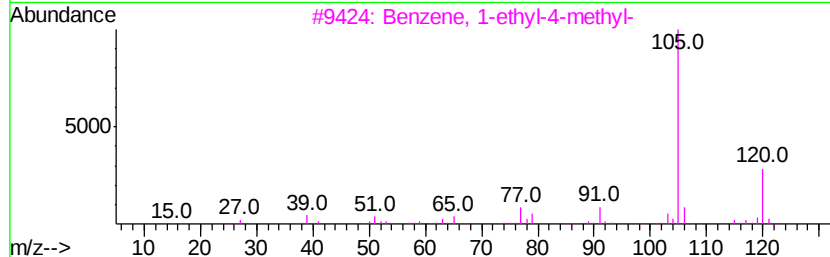
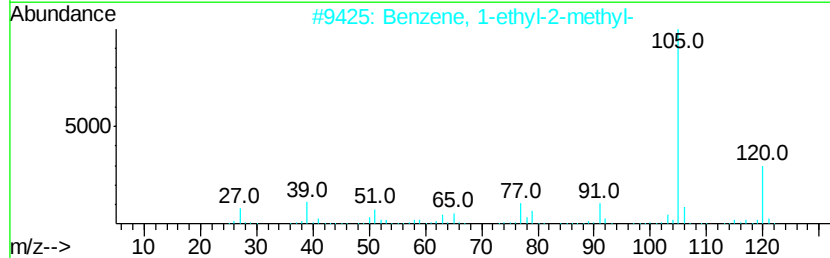
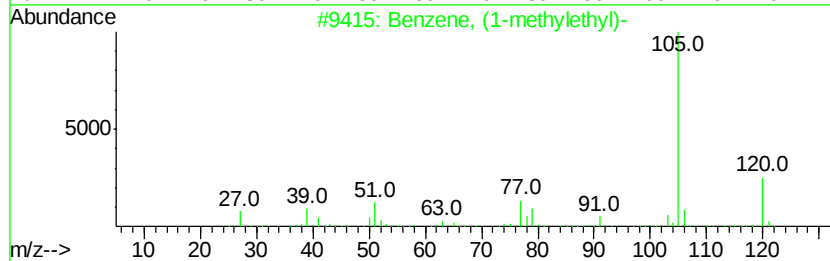
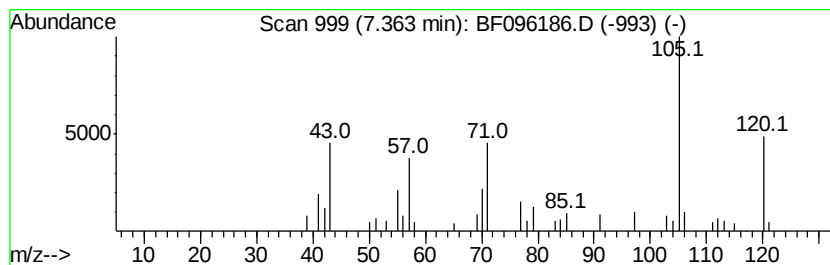
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzene, (1-methylethyl)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.36	5.45 ng	110046	1,4-Dichlorobenzene-d4	7.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	42
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	38
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	38
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	38
5		Decane, 4-methyl-	156	C11H24	002847-72-5	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
Data File : BF096186.D
Acq On : 24 Jun 2017 12:54
Operator : SJ/MA
Sample : I3872-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-062217-B

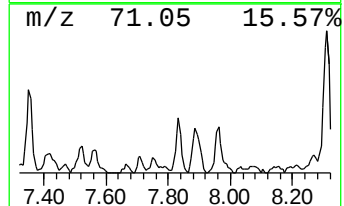
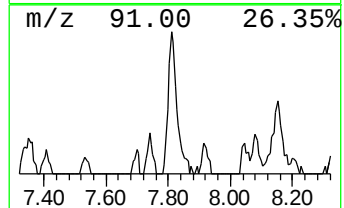
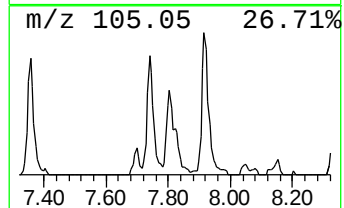
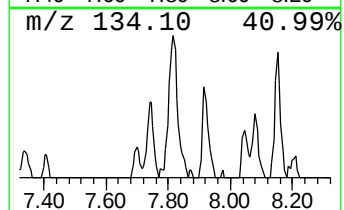
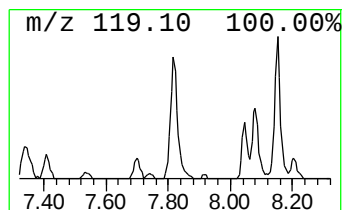
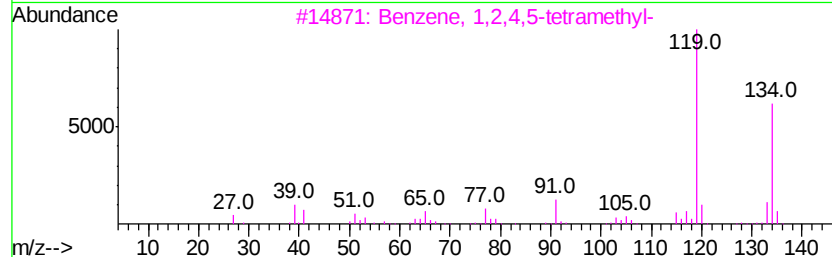
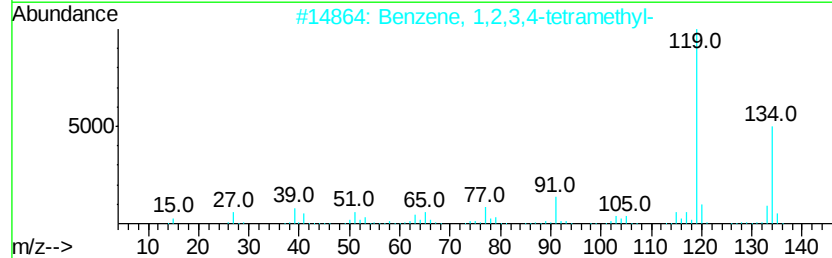
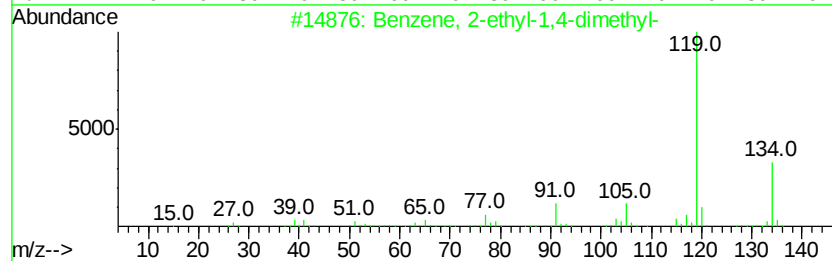
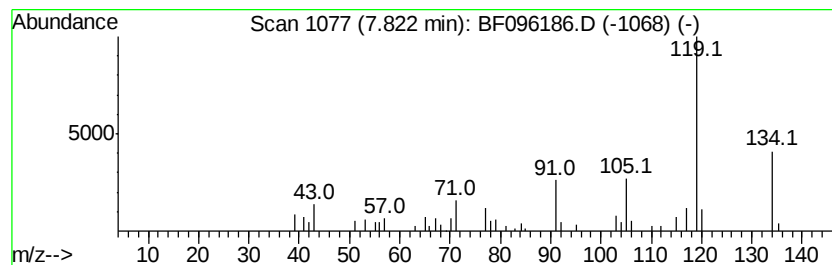
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.82	4.66 ng	94024	1,4-Dichlorobenzene-d4	7.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	81
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	81



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
Data File : BF096186.D
Acq On : 24 Jun 2017 12:54
Operator : SJ/MA
Sample : I3872-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-062217-B

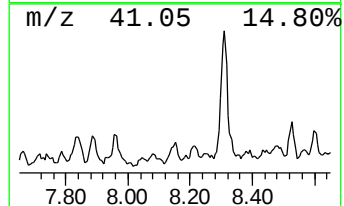
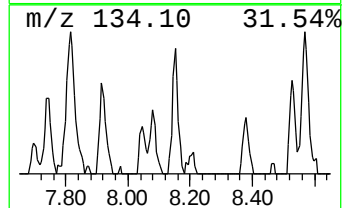
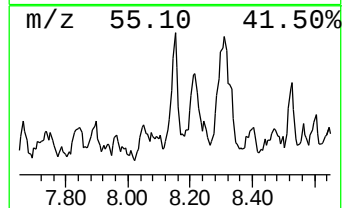
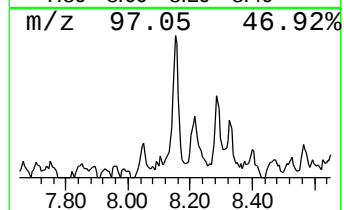
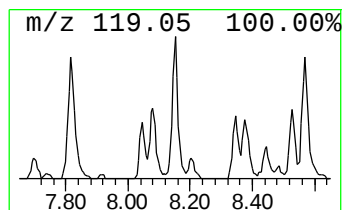
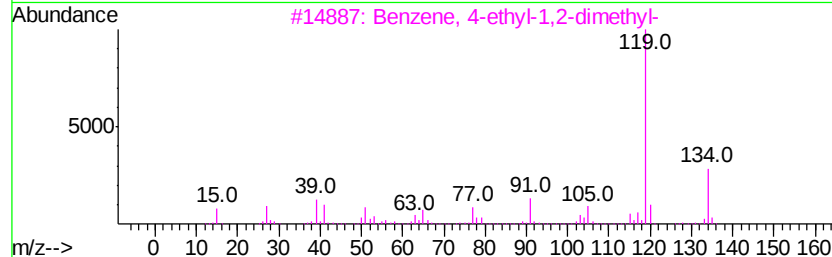
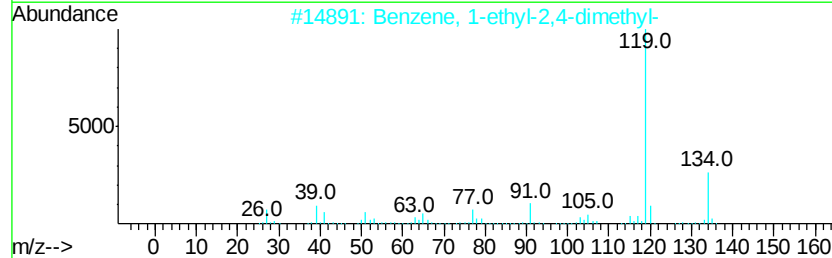
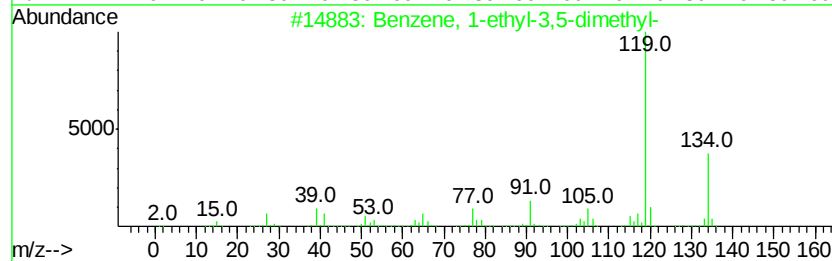
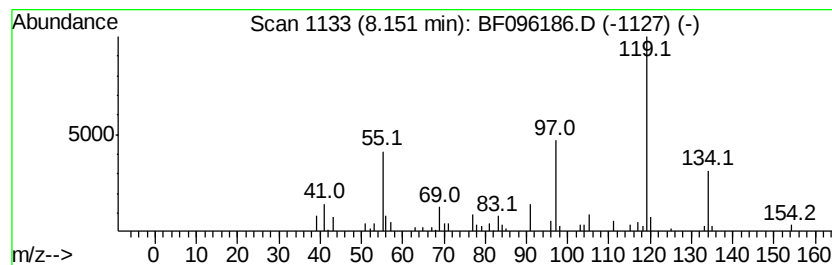
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	5.80 ng	117122	1,4-Dichlorobenzene-d4	7.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	70
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	70
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	70
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	70
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
Data File : BF096186.D
Acq On : 24 Jun 2017 12:54
Operator : SJ/MA
Sample : I3872-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-062217-B

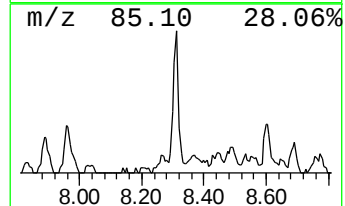
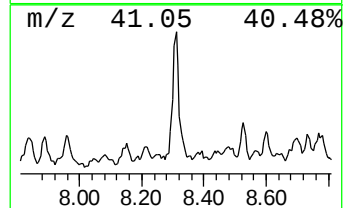
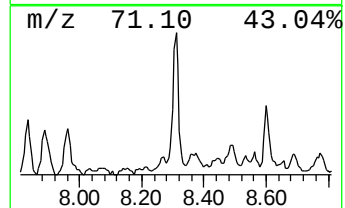
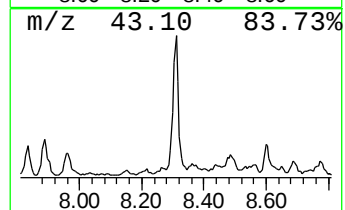
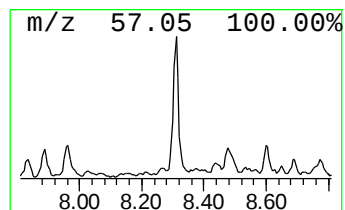
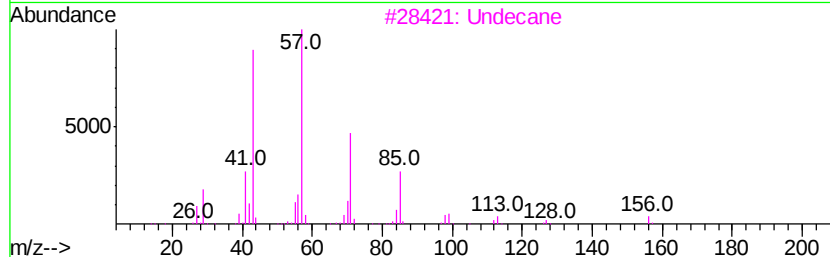
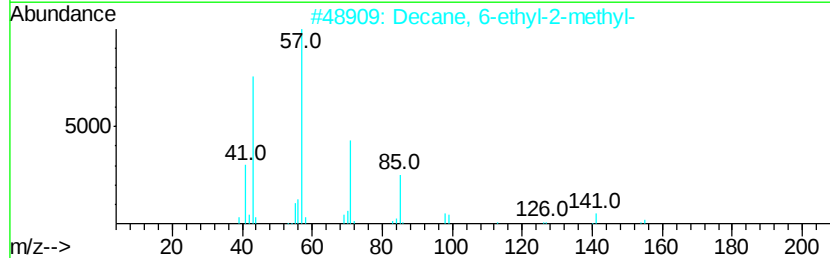
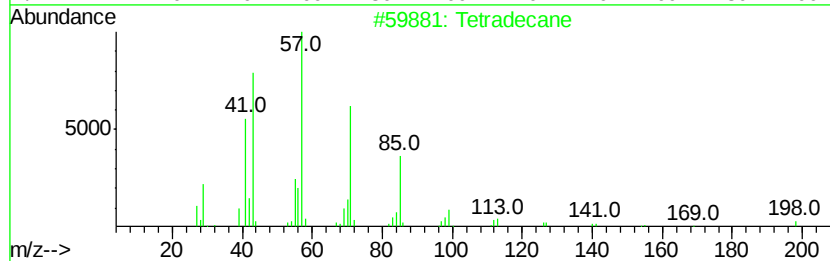
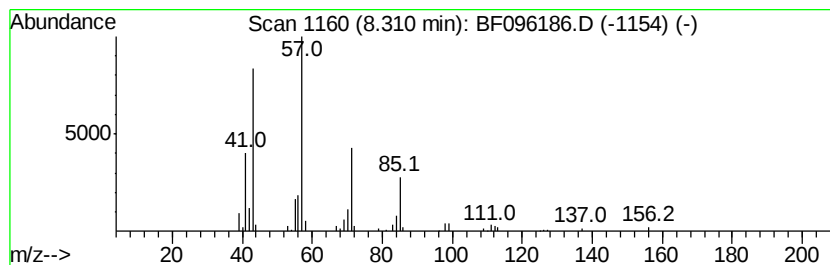
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Tetradecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.31	6.50 ng	234293	Naphthalene-d8	9.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	90
2		Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	83
3		Undecane	156	C11H24	001120-21-4	80
4		Tridecane	184	C13H28	000629-50-5	78
5		Tridecane, 6-methyl-	198	C14H30	013287-21-3	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062417\
Data File : BF096186.D
Acq On : 24 Jun 2017 12:54
Operator : SJ/MA
Sample : I3872-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

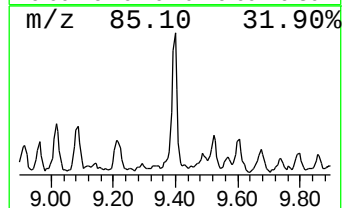
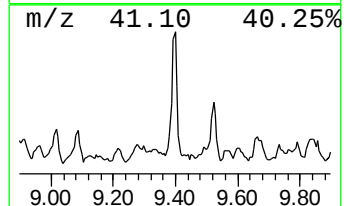
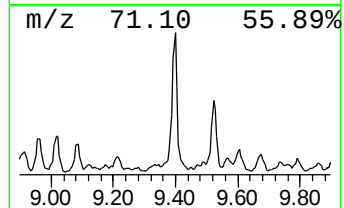
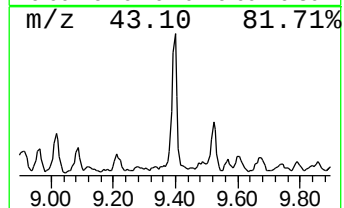
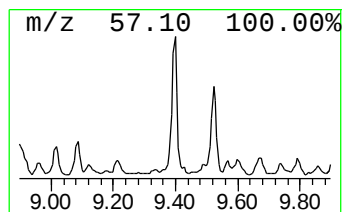
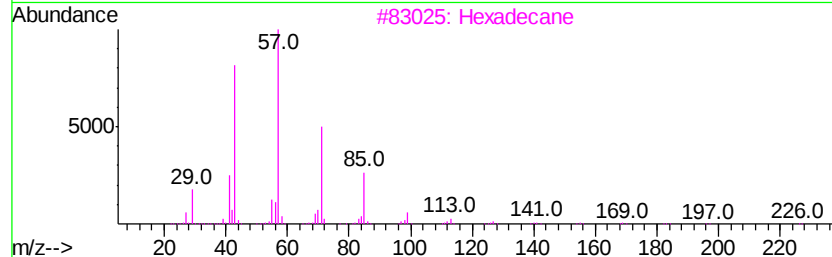
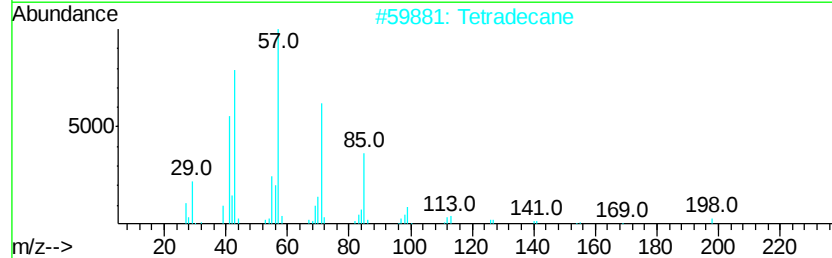
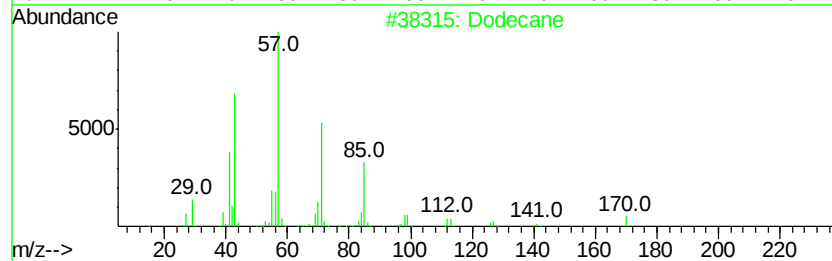
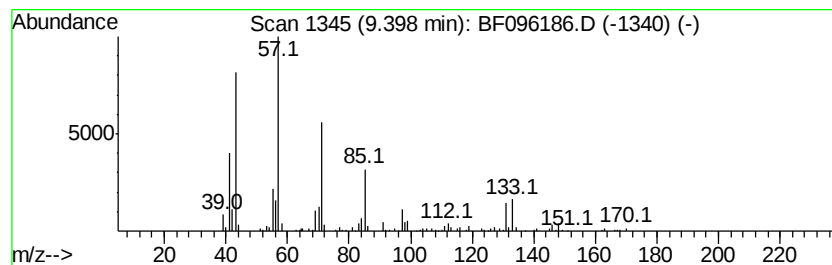
Instrument :
BNA_F
ClientSampleId :
HR-05-062217-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Dodecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	10.39 ng	374271	Napthalene-d8	9.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane	170 C12H26	000112-40-3	86
2	Tetradecane	198 C14H30	000629-59-4	58
3	Hexadecane	226 C16H34	000544-76-3	58
4	Tridecane	184 C13H28	000629-50-5	52
5	Undecane, 5-methyl-	170 C12H26	001632-70-8	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062417\
Data File : BF096186.D
Acq On : 24 Jun 2017 12:54
Operator : SJ/MA
Sample : I3872-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-062217-B

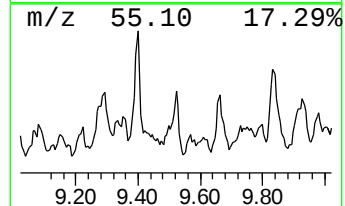
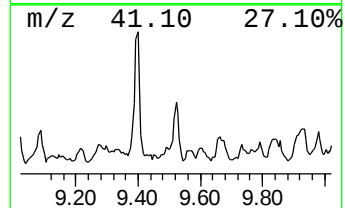
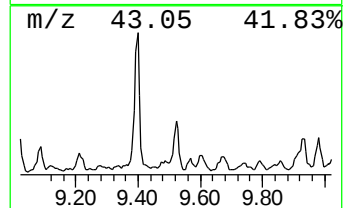
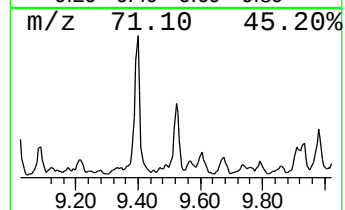
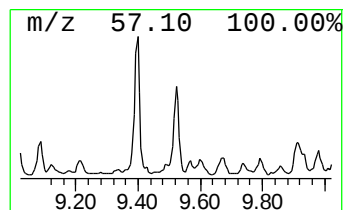
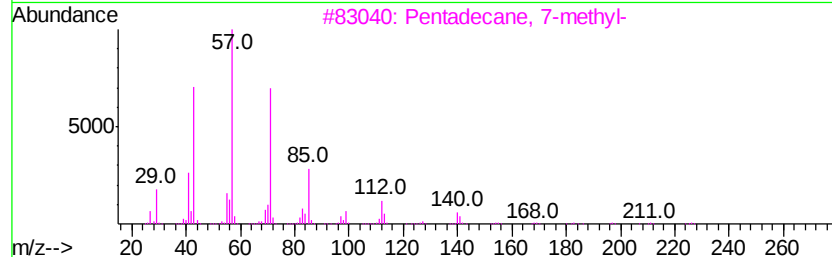
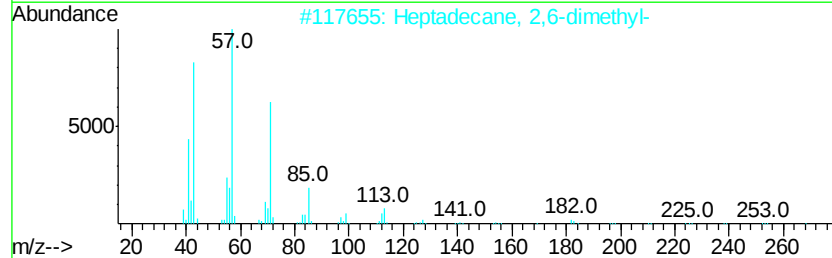
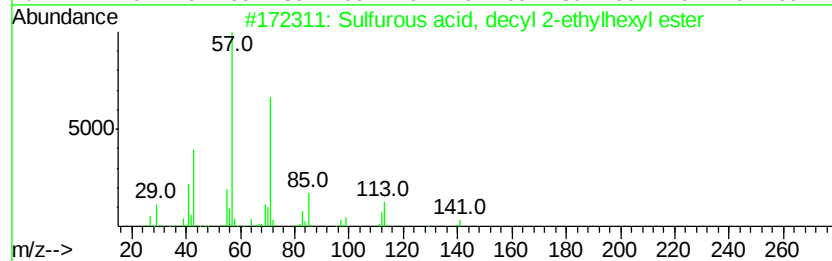
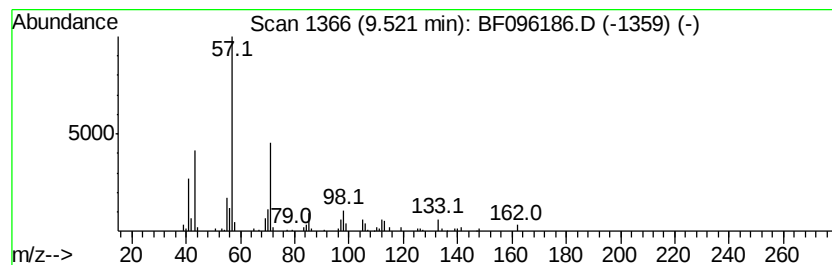
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Sulfurous acid, decyl 2-eth... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	5.23 ng	188496	Napthalene-d8	9.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	59
2			Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	58
3			Pentadecane, 7-methyl-	226	C16H34	006165-40-8	53
4			Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	50
5			Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
Data File : BF096186.D
Acq On : 24 Jun 2017 12:54
Operator : SJ/MA
Sample : I3872-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-062217-B

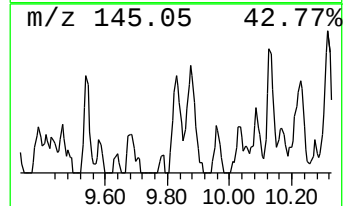
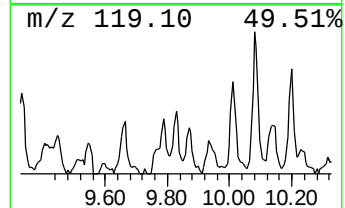
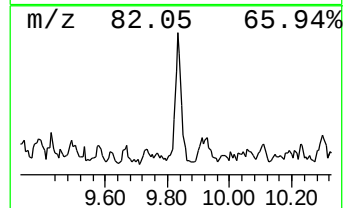
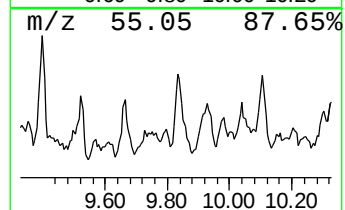
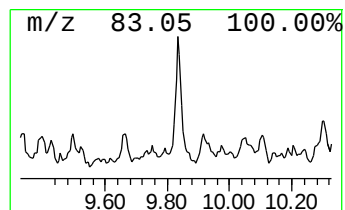
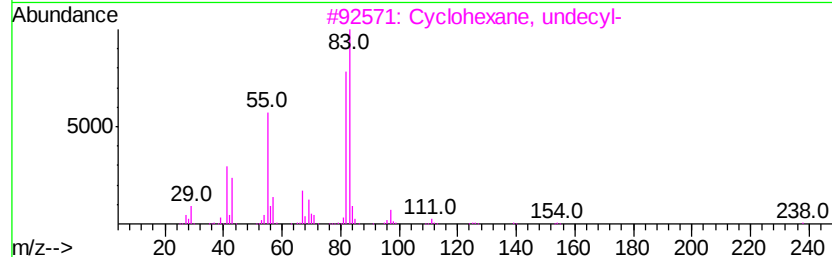
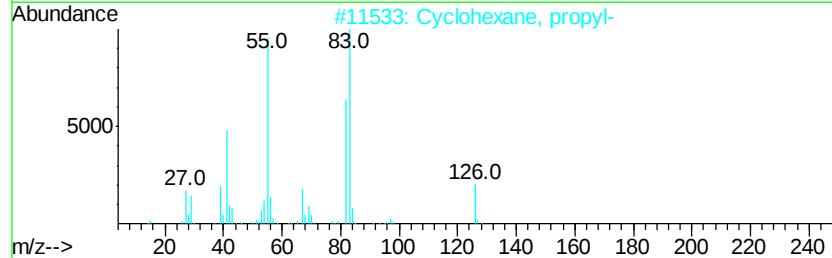
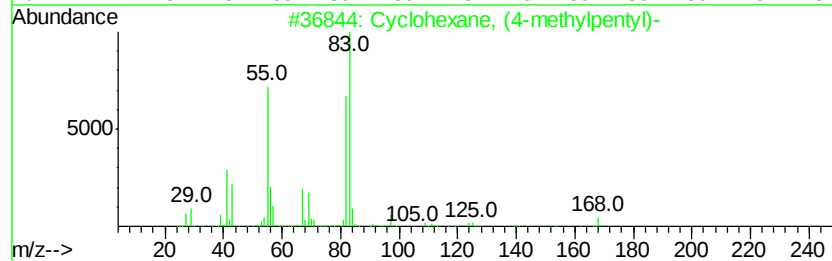
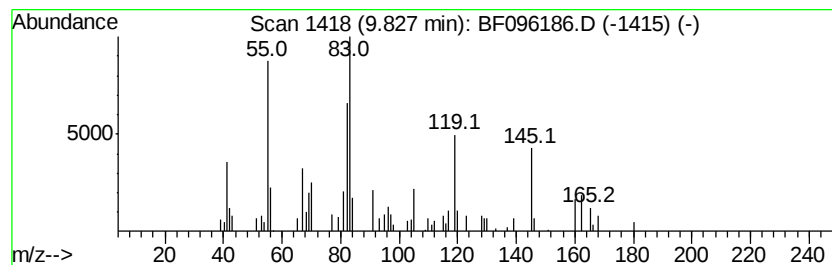
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclohexane, (4-methylpentyl)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	3.93 ng	141484	Naphthalene-d8	9.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	70
2			Cyclohexane, propyl-	126	C9H18	001678-92-8	52
3			Cyclohexane, undecyl-	238	C17H34	054105-66-7	50
4			Cyclohexane, butyl-	140	C10H20	001678-93-9	50
5			Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
Data File : BF096186.D
Acq On : 24 Jun 2017 12:54
Operator : SJ/MA
Sample : I3872-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

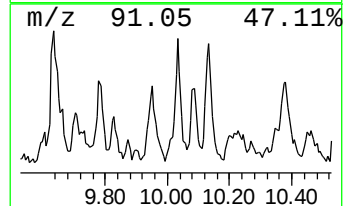
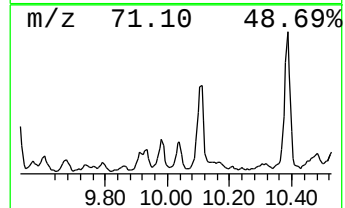
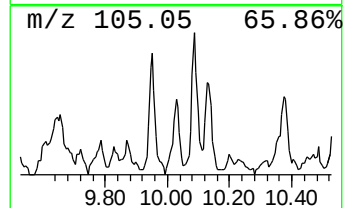
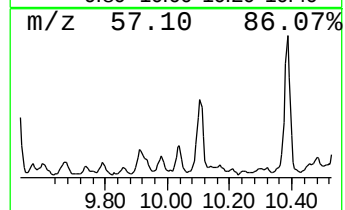
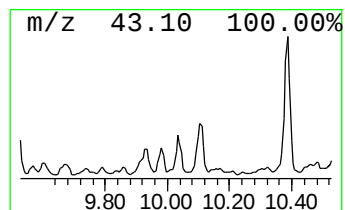
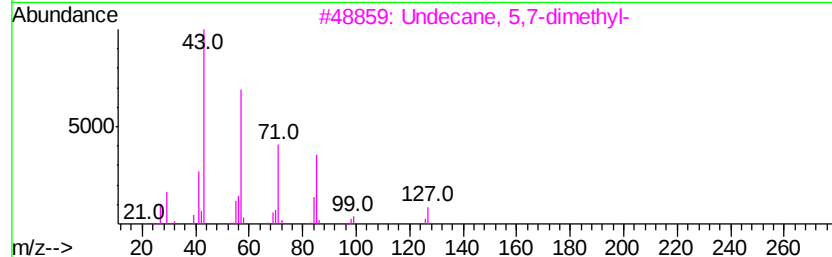
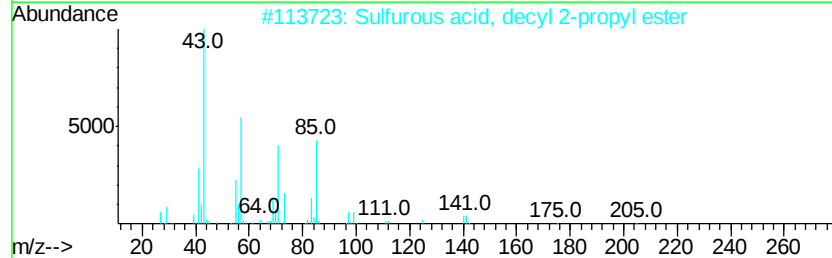
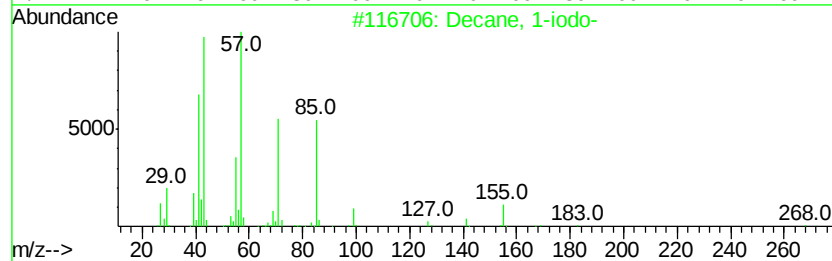
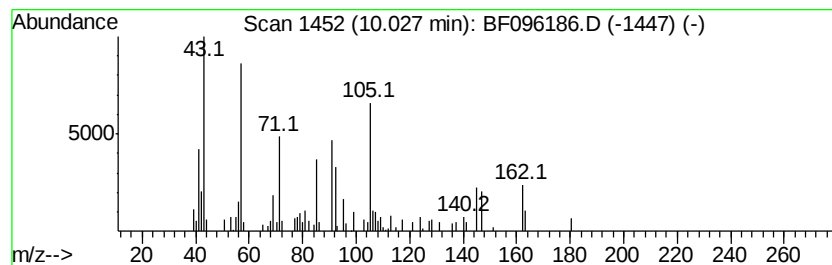
Instrument :
BNA_F
ClientSampleId :
HR-05-062217-B

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown10.03 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.03	3.89 ng	140337	Napthalene-d8	9.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 1-iodo-		268 C10H21I	002050-77-3 47
2	Sulfurous acid, decyl 2-propyl e...		264 C13H28O3S	1000309-12-1 46
3	Undecane, 5,7-dimethyl-		184 C13H28	017312-83-3 43
4	Sulfurous acid, 2-ethylhexyl iso...		278 C14H30O3S	1000309-19-0 43
5	Dodecane, 2-methyl-		184 C13H28	001560-97-0 35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
Data File : BF096186.D
Acq On : 24 Jun 2017 12:54
Operator : SJ/MA
Sample : I3872-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

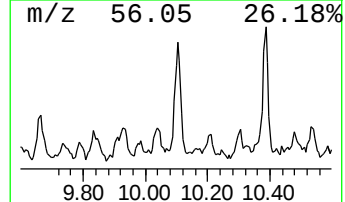
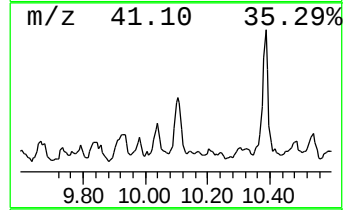
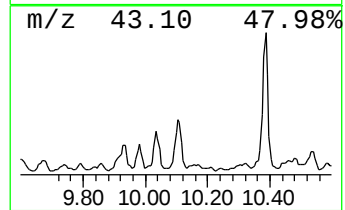
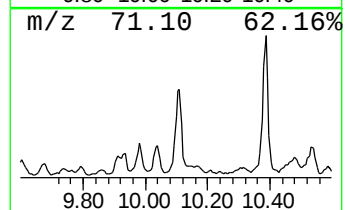
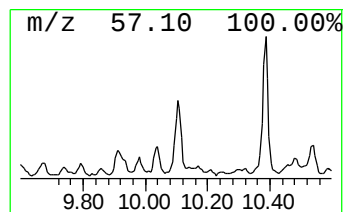
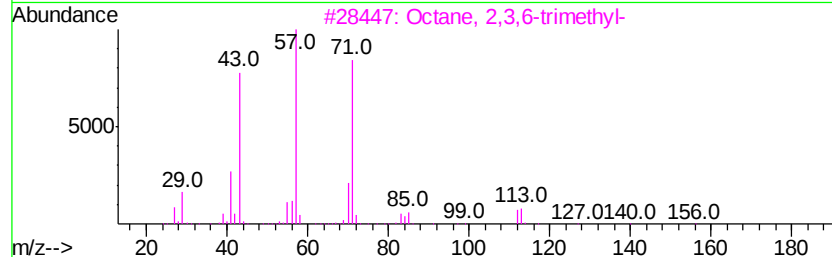
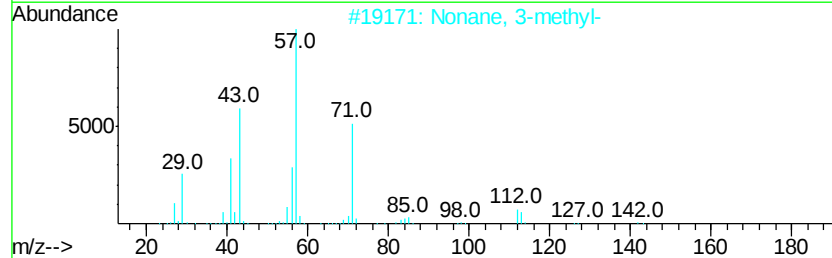
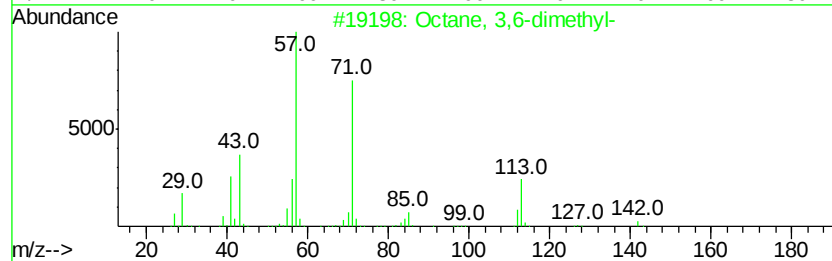
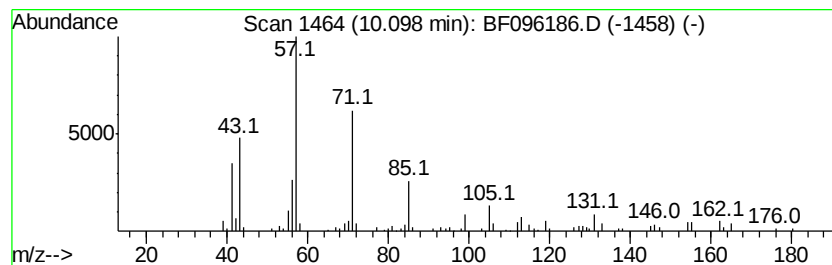
Instrument :
BNA_F
ClientSampleId :
HR-05-062217-B

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Octane, 3,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	8.42 ng	303499	Napthalene-d8	9.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Octane, 3,6-dimethyl-	142 C10H22	015869-94-0	59
2	Nonane, 3-methyl-	142 C10H22	005911-04-6	53
3	Octane, 2,3,6-trimethyl-	156 C11H24	062016-33-5	47
4	Butane, 2,2-dimethyl-	86 C6H14	000075-83-2	47
5	Heptadecane, 8-methyl-	254 C18H38	013287-23-5	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
Data File : BF096186.D
Acq On : 24 Jun 2017 12:54
Operator : SJ/MA
Sample : I3872-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-062217-B

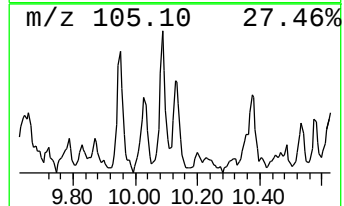
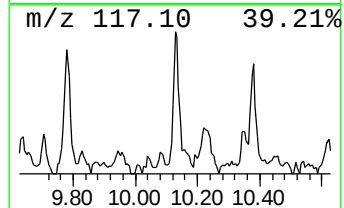
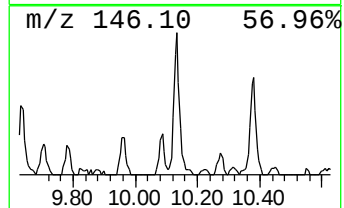
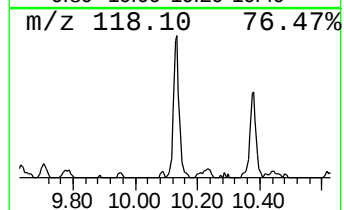
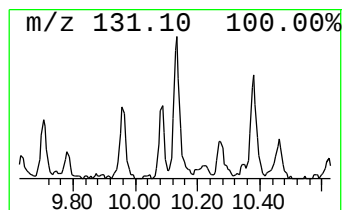
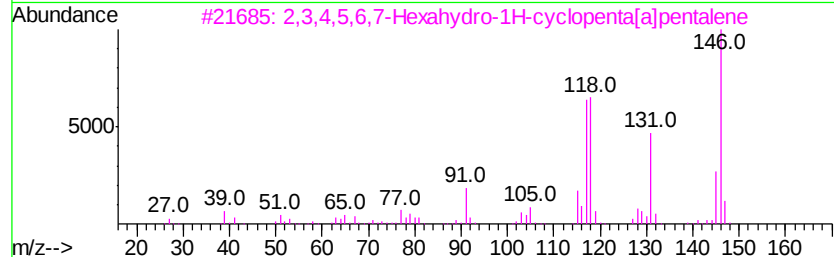
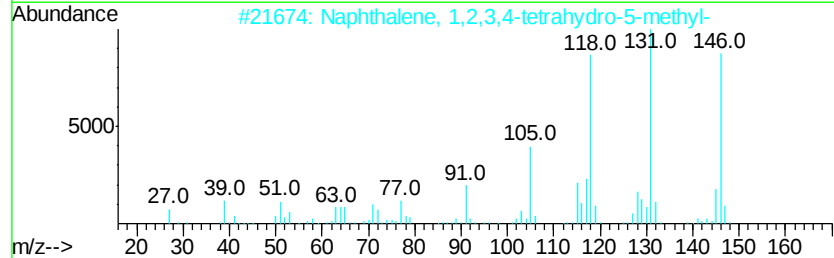
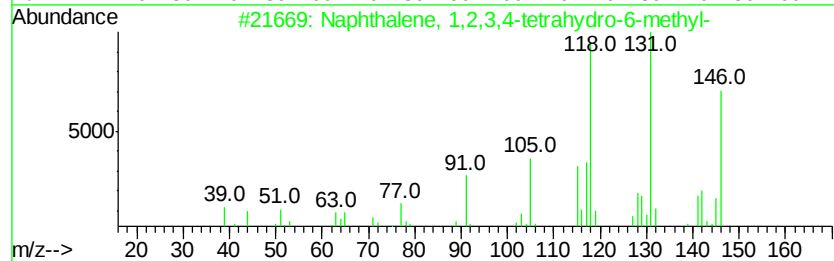
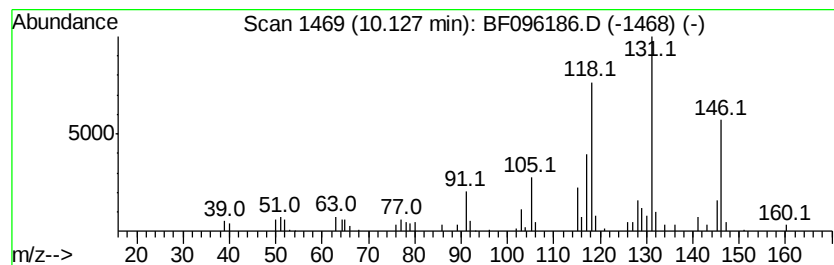
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 1,2,3,4-tetra... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	4.25 ng	153101	Naphthalene-d8	9.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	96
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	94
3		2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	80
4		Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	76
5		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062417\
Data File : BF096186.D
Acq On : 24 Jun 2017 12:54
Operator : SJ/MA
Sample : I3872-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

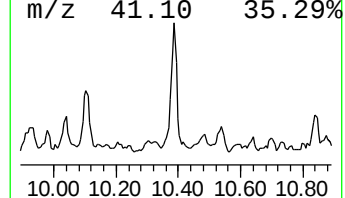
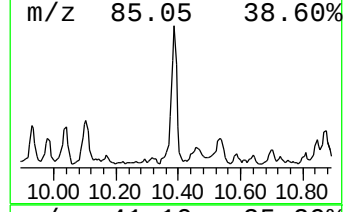
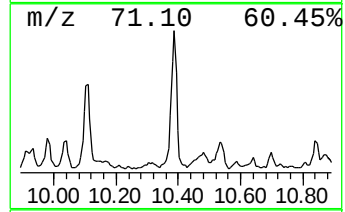
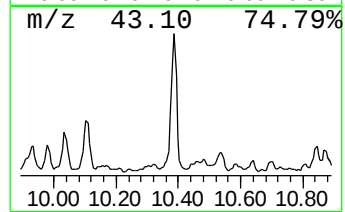
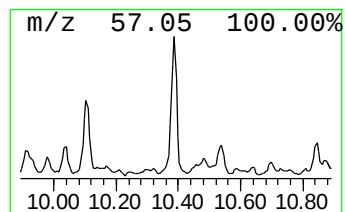
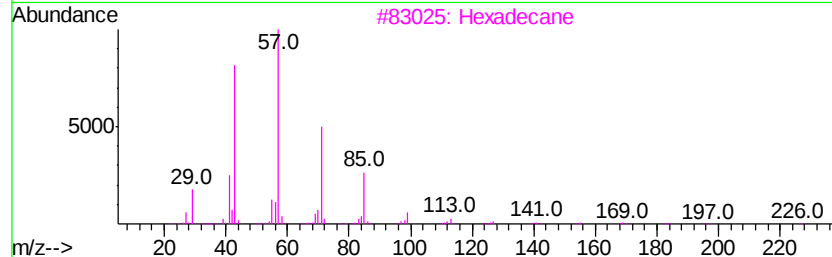
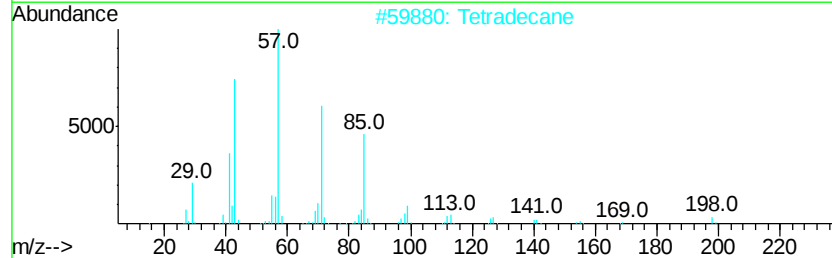
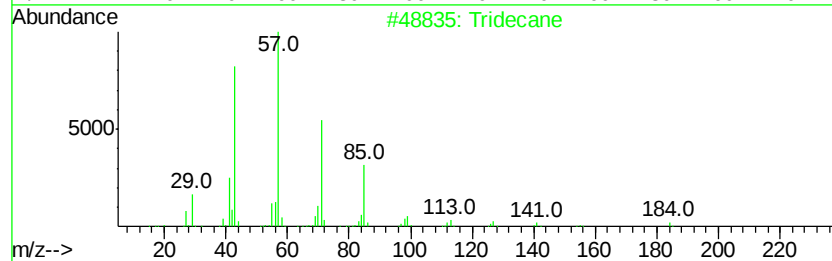
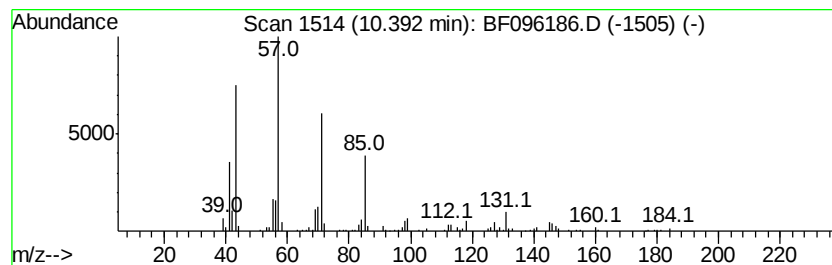
Instrument :
BNA_F
ClientSampleID :
HR-05-062217-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Tridecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.39	15.24 ng	549373	Naphthalene-d8	9.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	96
2	Tetradecane	198	C14H30	000629-59-4	58
3	Hexadecane	226	C16H34	000544-76-3	58
4	Dodecane	170	C12H26	000112-40-3	58
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
Data File : BF096186.D
Acq On : 24 Jun 2017 12:54
Operator : SJ/MA
Sample : I3872-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-062217-B

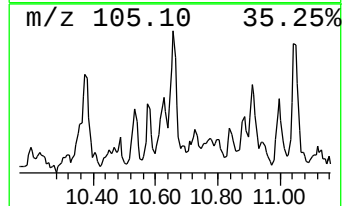
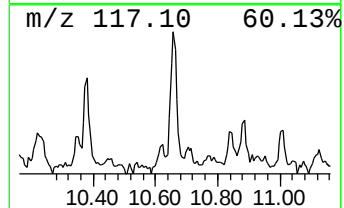
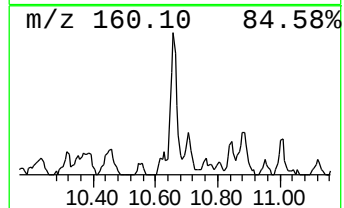
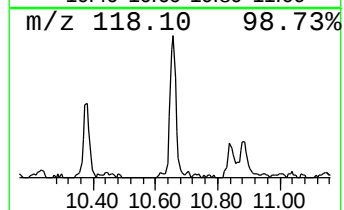
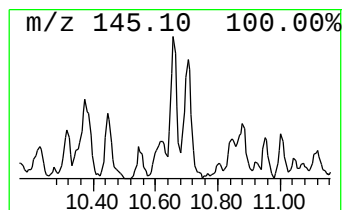
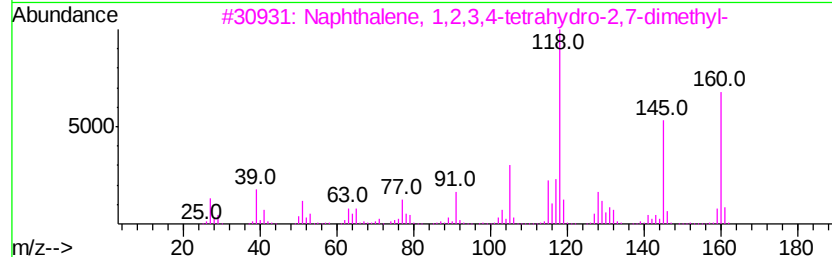
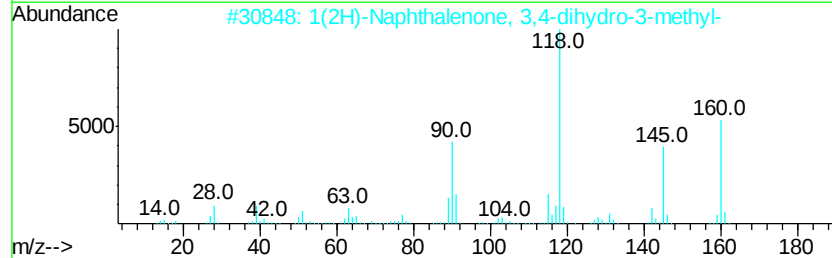
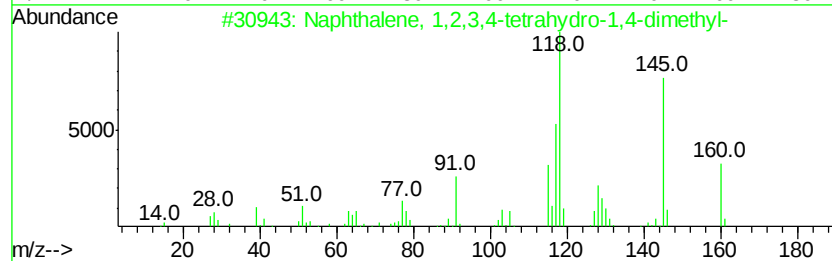
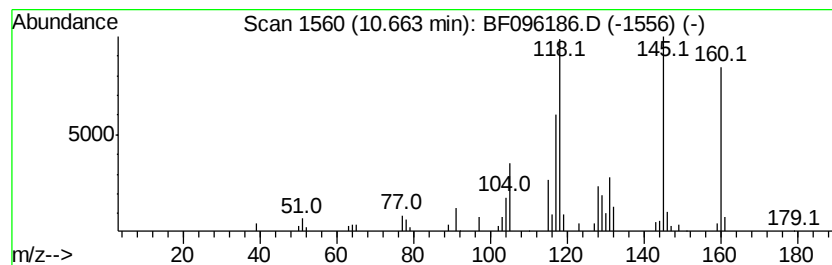
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Naphthalene, 1,2,3,4-tetra... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	4.22 ng	152149	Naphthalene-d8	9.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	90
2		1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	64
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	62
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	60
5		Benzene, (3-methyl-1-methylenebu...	160	C12H16	038212-14-5	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062417\
Data File : BF096186.D
Acq On : 24 Jun 2017 12:54
Operator : SJ/MA
Sample : I3872-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-062217-B

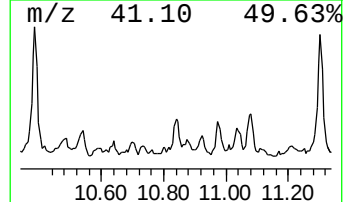
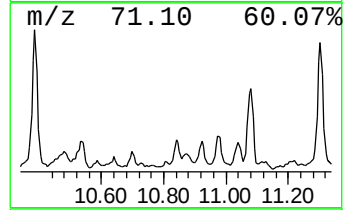
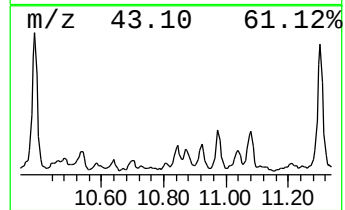
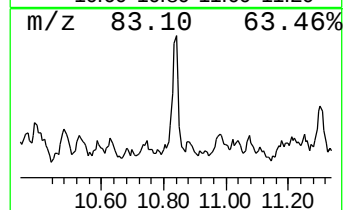
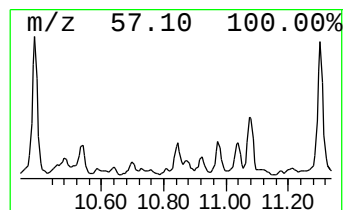
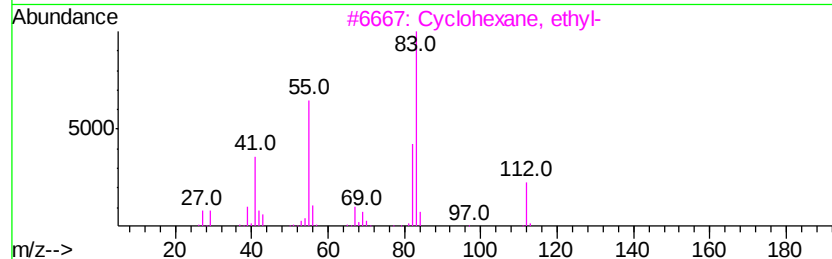
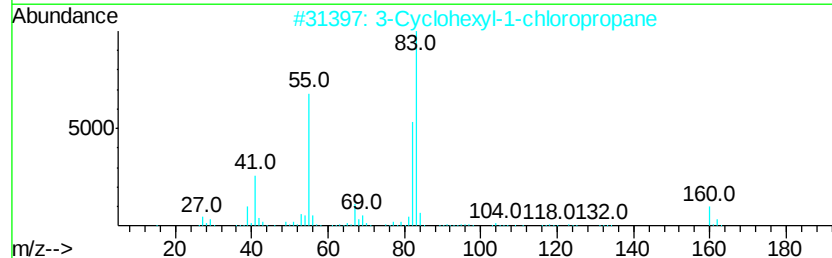
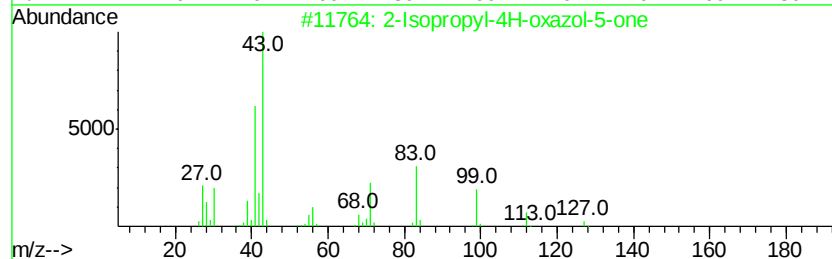
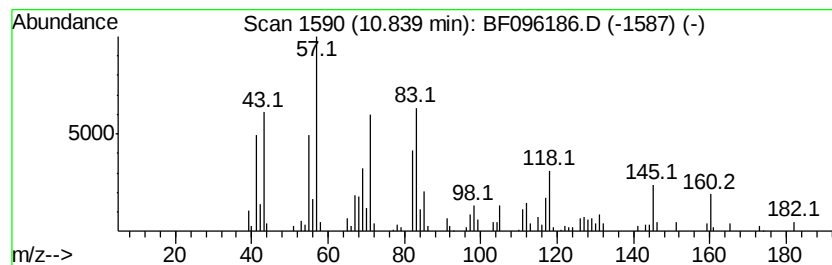
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown10.84 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	4.95 ng	127818	Acenaphthene-d10	12.12

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Isopropyl-4H-oxazol-5-one			127	C6H9NO2	1000190-01-9	27
2	3-Cyclohexyl-1-chloropropane			160	C9H17Cl	001124-62-5	27
3	Cyclohexane, ethyl-			112	C8H16	001678-91-7	18
4	Heptadecane, 7-methyl-			254	C18H38	020959-33-5	14
5	Hexadecane, 1-chloro-			260	C16H33Cl	004860-03-1	14



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
Data File : BF096186.D
Acq On : 24 Jun 2017 12:54
Operator : SJ/MA
Sample : I3872-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-062217-B

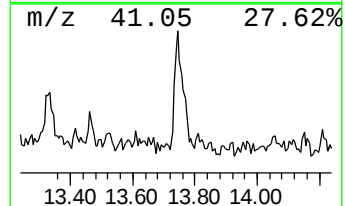
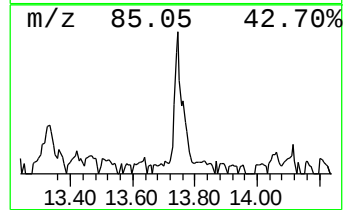
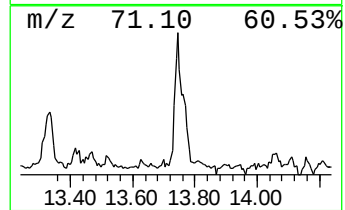
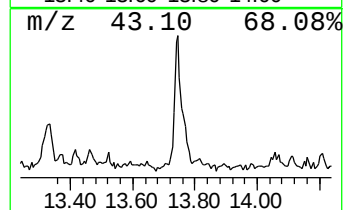
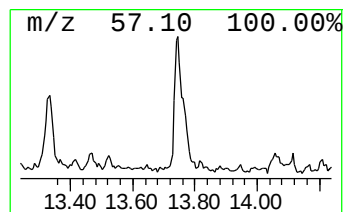
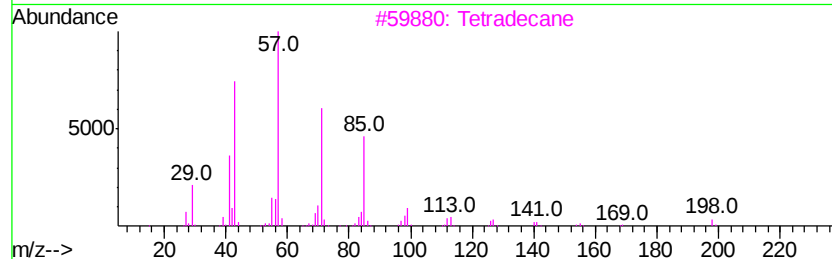
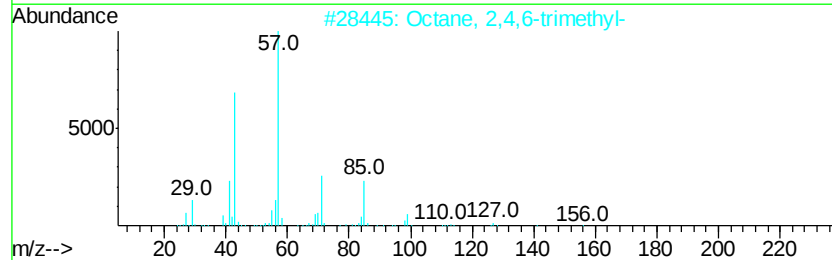
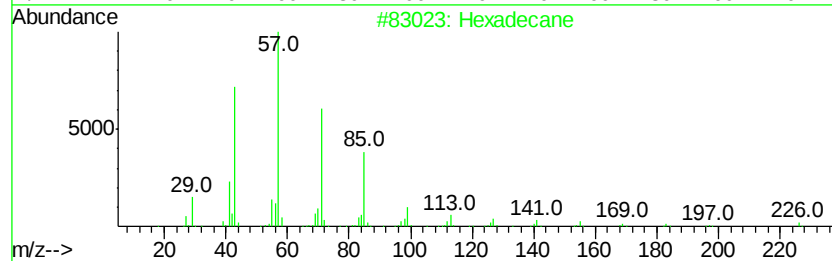
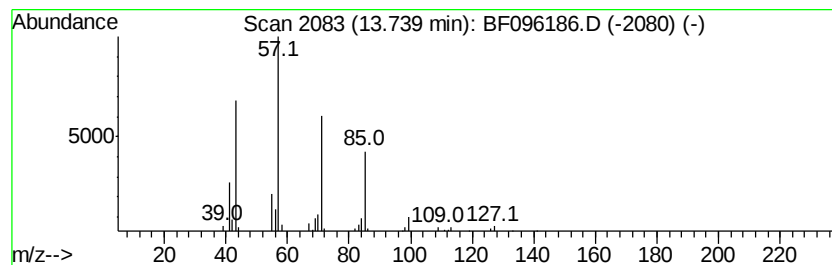
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Hexadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	4.77 ng	103653	Phenanthrene-d10	14.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	90
2		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	80
3		Tetradecane	198	C14H30	000629-59-4	78
4		Pentadecane	212	C15H32	000629-62-9	72
5		Eicosane	282	C20H42	000112-95-8	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
Data File : BF096186.D
Acq On : 24 Jun 2017 12:54
Operator : SJ/MA
Sample : I3872-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-062217-B

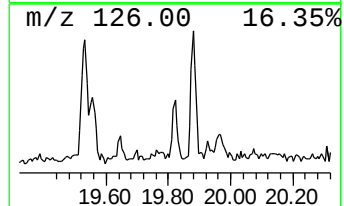
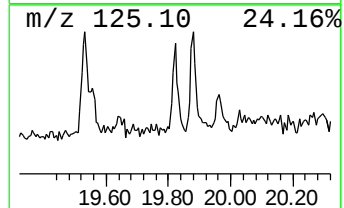
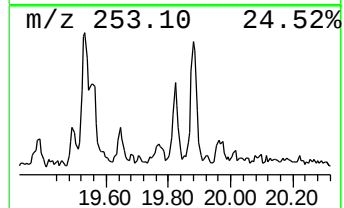
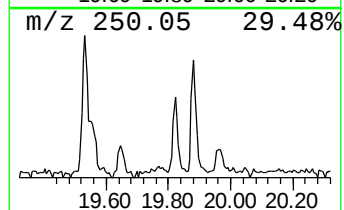
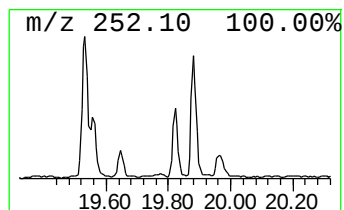
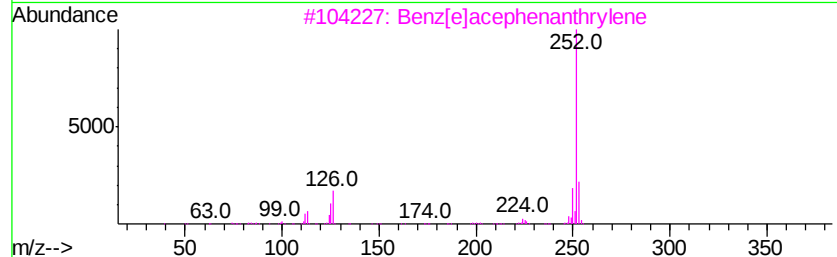
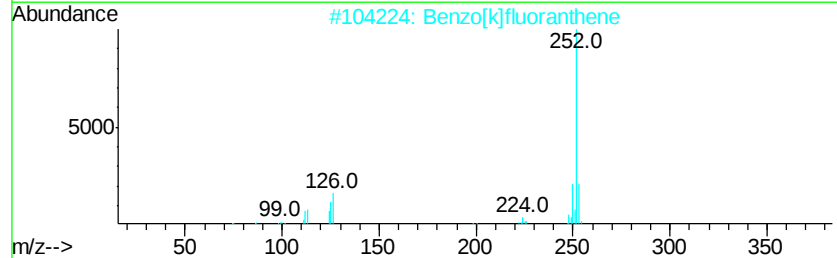
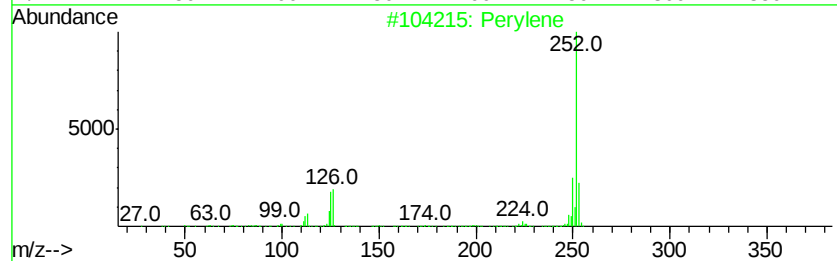
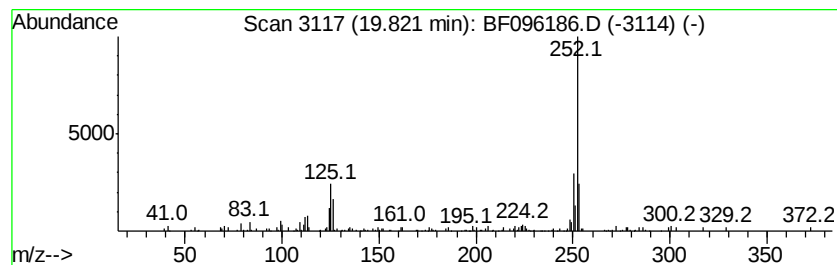
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	4.86 ng	81406	Perylene-d12	19.93

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Perylene	252	C20H12	000198-55-0	93
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
4			Benzo[e]pyrene	252	C20H12	000192-97-2	90
5			Benzo[a]pyrene	252	C20H12	000050-32-8	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062417\
 Data File : BF096186.D
 Acq On : 24 Jun 2017 12:54
 Operator : SJ/MA
 Sample : I3872-04 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-062217-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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
unknown6.95	6.95	13.1	ng	265051	1	7.26	403716	20.0
Decane	7.07	5.7	ng	115431	1	7.26	403716	20.0
Benzene, (1-methy...	7.36	5.5	ng	110046	1	7.26	403716	20.0
Benzene, 2-ethyl-...	7.82	4.7	ng	94024	1	7.26	403716	20.0
Benzene, 1-ethyl-...	8.15	5.8	ng	117122	1	7.26	403716	20.0
Tetradecane	8.31	6.5	ng	234293	2	9.30	720736	20.0
Dodecane	9.40	10.4	ng	374271	2	9.30	720736	20.0
Sulfurous acid, d...	9.52	5.2	ng	188496	2	9.30	720736	20.0
Cyclohexane, (4-m...	9.83	3.9	ng	141484	2	9.30	720736	20.0
unknown10.03	10.03	3.9	ng	140337	2	9.30	720736	20.0
Octane, 3,6-dimet...	10.10	8.4	ng	303499	2	9.30	720736	20.0
Naphthalene, 1,2,...	10.13	4.3	ng	153101	2	9.30	720736	20.0
Tridecane	10.39	15.2	ng	549373	2	9.30	720736	20.0
Naphthalene, 1,2,...	10.66	4.2	ng	152149	2	9.30	720736	20.0
unknown10.84	10.84	5.0	ng	127818	3	12.12	516913	20.0
Hexadecane	13.74	4.8	ng	103653	4	14.51	434824	20.0
Perylene	19.82	4.9	ng	81406	6	19.93	334998	20.0