

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
 Data File : BF084869.D
 Acq On : 5 Feb 2016 19:38
 Operator : SJ/IZ
 Sample : H1311-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B006(20-22)

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-BF020116.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.819	237	239	245	rVB	825311	1511975	12.66%	0.453%
2	5.253	275	277	279	rBV	3942493	4579225	38.36%	1.372%
3	5.653	305	312	314	rBV2	552962	851872	7.14%	0.255%
4	5.790	322	324	327	rVB2	777996	1003679	8.41%	0.301%
5	5.859	327	330	332	rBV2	354578	688850	5.77%	0.206%
6	5.904	332	334	337	rVB	971421	1522588	12.75%	0.456%
7	6.087	347	350	354	rBV4	447567	1290507	10.81%	0.387%
8	6.179	354	358	360	rVV3	801327	1413815	11.84%	0.424%
9	6.259	363	365	367	rBV2	342620	720346	6.03%	0.216%
10	6.316	367	370	372	rVB	4407027	5535716	46.37%	1.659%
11	6.430	376	380	382	rBV	4723334	5983848	50.12%	1.793%
12	6.522	382	388	389	rVB4	480244	896657	7.51%	0.269%
13	6.602	389	395	399	rBV5	758463	2646340	22.17%	0.793%
14	6.659	399	400	401	rVV	1261294	1030642	8.63%	0.309%
15	6.693	401	403	404	rVB	2349235	2391053	20.03%	0.716%
16	6.727	404	406	408	rBV2	871366	1475768	12.36%	0.442%
17	6.819	410	414	418	rVB3	4519032	7396709	61.96%	2.216%
18	6.922	418	423	425	rBV3	1166456	3344383	28.01%	1.002%
19	6.990	427	429	430	rVB2	871859	758362	6.35%	0.227%
20	7.059	433	435	436	rBV	2008568	1723762	14.44%	0.517%
21	7.093	436	438	441	rVB3	591211	973993	8.16%	0.292%
22	7.242	444	451	453	rBV3	2734909	7792891	65.28%	2.335%
23	7.322	455	458	460	rVB2	1698496	2818151	23.61%	0.844%
24	7.390	460	464	466	rBV3	1521228	3387023	28.37%	1.015%
25	7.447	466	469	470	rBV2	2003918	2855872	23.92%	0.856%
26	7.470	470	471	474	rVB2	2659700	3480462	29.15%	1.043%
27	7.539	474	477	478	rBV2	776356	1350871	11.32%	0.405%
28	7.596	478	482	485	rBV4	2366485	5541235	46.42%	1.660%
29	7.653	485	487	489	rBV3	911969	1182182	9.90%	0.354%
30	7.699	489	491	492	rBV2	559215	650964	5.45%	0.195%
31	7.733	492	494	496	rVB3	1179178	1958208	16.40%	0.587%
32	7.790	496	499	500	rBV2	1557393	2370948	19.86%	0.710%
33	7.836	500	503	504	rBV	1653201	2272660	19.04%	0.681%
34	7.950	507	513	515	rBV5	3669578	8351740	69.96%	2.503%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
 Data File : BF084869.D
 Acq On : 5 Feb 2016 19:38
 Operator : SJ/IZ
 Sample : H1311-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B006(20-22)

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-BF020116.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.008	515	518	519	rVV3	2054913	4391031	36.78%	1.316%
36	8.042	519	521	527	rVB2	5605041	8478660	71.02%	2.541%
37	8.133	527	529	530	rBV2	1177531	1537950	12.88%	0.461%
38	8.168	530	532	534	rVV3	1321965	2566768	21.50%	0.769%
39	8.259	536	540	541	rVV3	2297740	4687717	39.27%	1.405%
40	8.293	541	543	544	rVV	1424935	1589998	13.32%	0.476%
41	8.350	544	548	550	rVV4	1889121	4061646	34.02%	1.217%
42	8.408	550	553	557	rVV2	6446625	11938454	100.00%	3.577%
43	8.465	557	558	560	rVV2	1231867	2221577	18.61%	0.666%
44	8.510	560	562	565	rVV4	1642342	4555979	38.16%	1.365%
45	8.590	565	569	570	rVV4	2298590	6821067	57.14%	2.044%
46	8.659	573	575	577	rVB3	3068609	5531711	46.34%	1.658%
47	8.773	582	585	589	rVB5	3615622	7228670	60.55%	2.166%
48	8.876	590	594	596	rBV5	1774357	3286009	27.52%	0.985%
49	8.956	598	601	602	rVB2	1369707	2267330	18.99%	0.679%
50	9.002	602	605	607	rBV	5185630	9456753	79.21%	2.834%
51	9.036	607	608	613	rVB3	3008550	3753917	31.44%	1.125%
52	9.128	613	616	617	rBV3	1892707	3307561	27.71%	0.991%
53	9.185	619	621	623	rBV2	1530594	2024979	16.96%	0.607%
54	9.253	625	627	629	rVB2	2077196	2692066	22.55%	0.807%
55	9.311	629	632	635	rBV4	2324029	4561185	38.21%	1.367%
56	9.391	636	639	640	rBV	4297891	5754948	48.21%	1.724%
57	9.585	654	656	658	rVB3	2877033	2902665	24.31%	0.870%
58	9.631	658	660	662	rVB2	3512447	3682718	30.85%	1.104%
59	9.711	664	667	669	rBV3	2353784	4185492	35.06%	1.254%
60	9.756	669	671	675	rVB5	1268461	2592233	21.71%	0.777%
61	9.836	675	678	680	rVB	2811179	4555473	38.16%	1.365%
62	9.871	680	681	682	rBV	1642204	1288229	10.79%	0.386%
63	9.928	683	686	687	rVV2	3579384	4367885	36.59%	1.309%
64	9.973	687	690	694	rVB4	4635321	9367489	78.46%	2.807%
65	10.042	694	696	701	rBV	4175051	8129605	68.10%	2.436%
66	10.122	701	703	707	rVB3	2653452	6366338	53.33%	1.908%
67	10.214	709	711	713	rVB2	1648671	1927167	16.14%	0.577%
68	10.259	713	715	716	rBV2	2458219	2437377	20.42%	0.730%
69	10.294	716	718	719	rVV2	1699999	2078607	17.41%	0.623%
70	10.328	719	721	724	rVV2	2500526	3626229	30.37%	1.087%
71	10.385	724	726	728	rVB2	4886044	5600383	46.91%	1.678%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
 Data File : BF084869.D
 Acq On : 5 Feb 2016 19:38
 Operator : SJ/IZ
 Sample : H1311-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B006(20-22)

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-BF020116.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.511	734	737	739	rBV3	2573187	4390311	36.77%	1.316%
73	10.545	739	740	743	rVB3	2102538	2277032	19.07%	0.682%
74	10.602	743	745	746	rBV2	1086828	1624960	13.61%	0.487%
75	10.659	746	750	752	rVV2	6405361	9286517	77.79%	2.783%
76	10.705	753	754	755	rBV	1630841	1125128	9.42%	0.337%
77	10.808	761	763	764	rBV2	1237425	1396654	11.70%	0.419%
78	10.842	764	766	769	rVB3	2705837	3874104	32.45%	1.161%
79	10.968	774	777	779	rVB4	1322934	2690799	22.54%	0.806%
80	11.048	782	784	786	rBV2	954097	1130628	9.47%	0.339%
81	11.116	786	790	792	rVB2	4486398	7789883	65.25%	2.334%
82	11.196	795	797	798	rBV	724312	948344	7.94%	0.284%
83	11.219	798	799	800	rBV	1496669	1036930	8.69%	0.311%
84	11.311	805	807	814	rBV2	1462466	3722640	31.18%	1.115%
85	11.528	823	826	831	rVB2	1617829	3666622	30.71%	1.099%
86	11.608	831	833	835	rVV	964024	1234148	10.34%	0.370%
87	11.699	838	841	845	rVB2	2143423	4971387	41.64%	1.490%
88	11.802	845	850	855	rVB5	1984400	5969034	50.00%	1.789%
89	11.928	859	861	863	rVB2	673630	895869	7.50%	0.268%
90	11.985	863	866	867	rBV2	602748	1070728	8.97%	0.321%
91	12.134	878	879	880	rVB	1023209	701921	5.88%	0.210%
92	12.168	880	882	885	rVB2	1578015	2853346	23.90%	0.855%
93	12.237	886	888	894	rVB	1994774	4067255	34.07%	1.219%
94	12.317	894	895	897	rBV	518760	702110	5.88%	0.210%
95	12.397	900	902	903	rBV	984364	1034308	8.66%	0.310%
96	12.614	919	921	922	rBV	792689	815485	6.83%	0.244%
97	12.682	925	927	928	rVB	563579	616730	5.17%	0.185%
98	12.762	932	934	937	rVB	3048263	4164093	34.88%	1.248%
99	13.802	1022	1025	1026	rBV2	1243152	1277107	10.70%	0.383%
100	15.163	1142	1144	1147	rBV	548459	811267	6.80%	0.243%

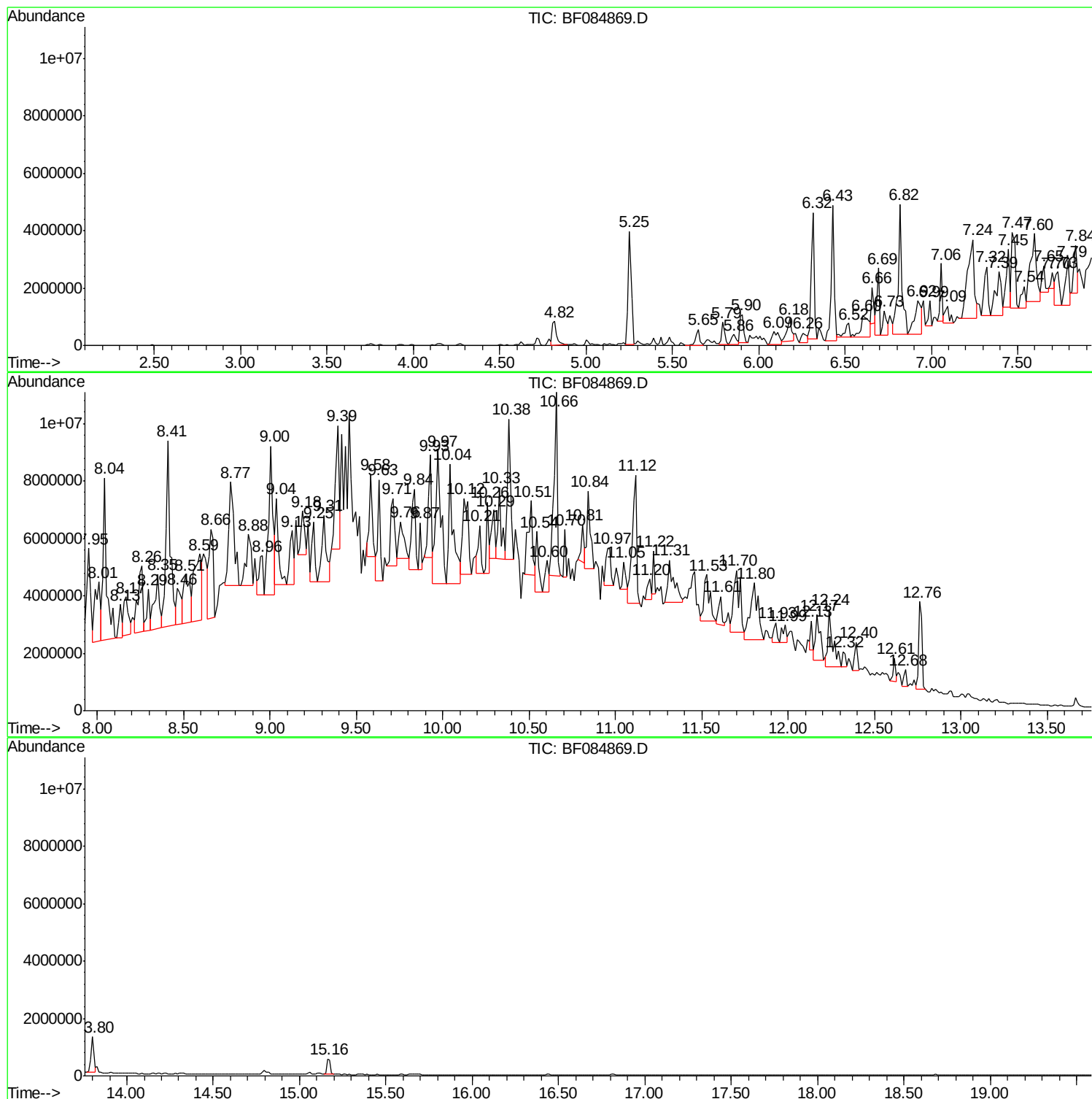
Sum of corrected areas: 333722503

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
Data File : BF084869.D
Acq On : 5 Feb 2016 19:38
Operator : SJ/IZ
Sample : H1311-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUP-B006(20-22)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
Data File : BF084869.D
Acq On : 5 Feb 2016 19:38
Operator : SJ/IZ
Sample : H1311-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

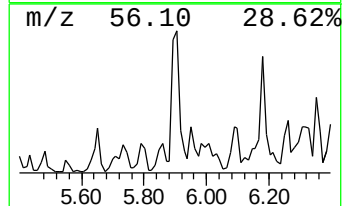
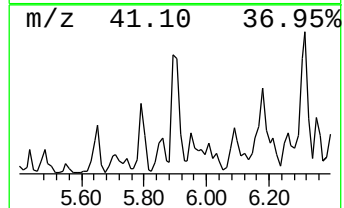
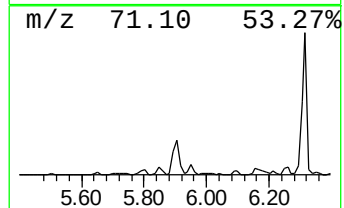
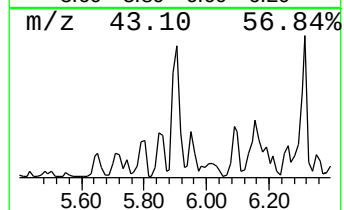
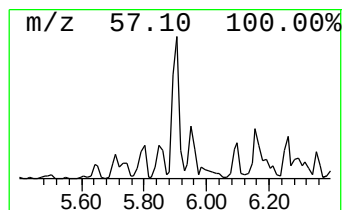
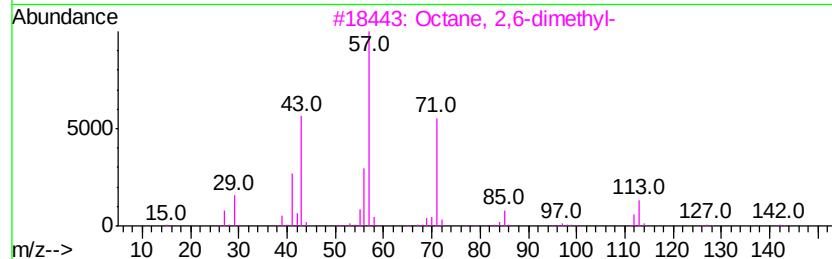
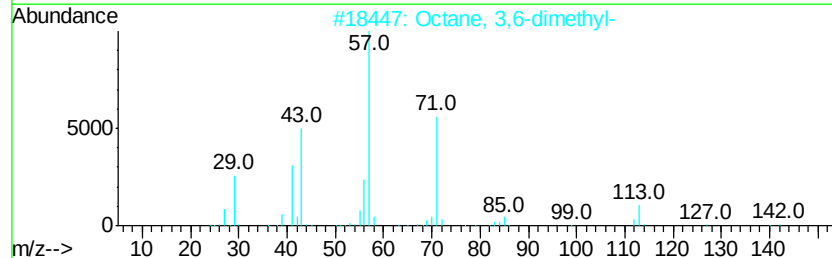
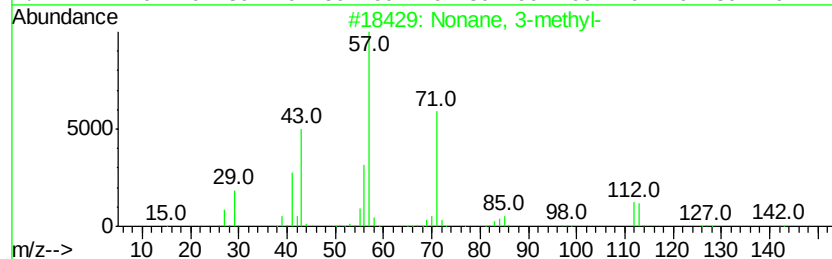
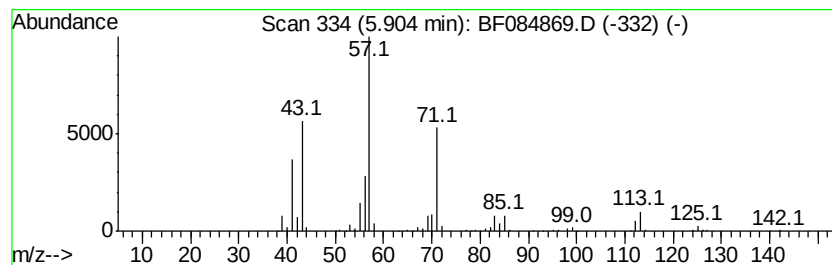
Instrument :
BNA_F
ClientSampleId :
SUP-B006(20-22)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Nonane, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.90	29.55 ng	1522590	1,4-Dichlorobenzene-d4	6.66
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonane, 3-methyl-	142 C10H22	005911-04-6	90
2	Octane, 3,6-dimethyl-	142 C10H22	015869-94-0	86
3	Octane, 2,6-dimethyl-	142 C10H22	002051-30-1	86
4	Decane, 3,8-dimethyl-	170 C12H26	017312-55-9	72
5	Butane, 2,2-dimethyl-	86 C6H14	000075-83-2	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
Data File : BF084869.D
Acq On : 5 Feb 2016 19:38
Operator : SJ/IZ
Sample : H1311-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUP-B006(20-22)

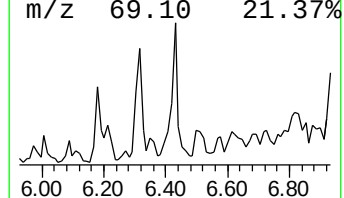
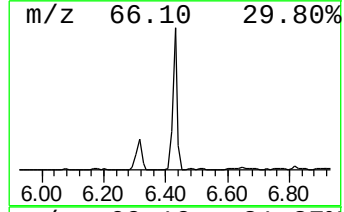
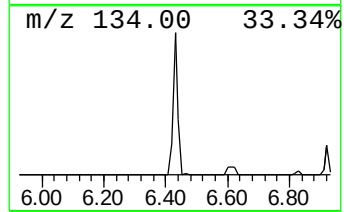
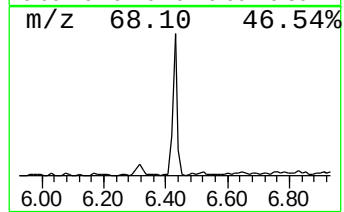
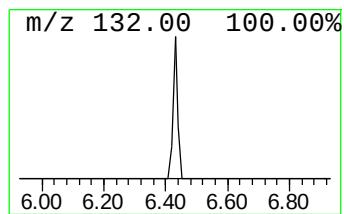
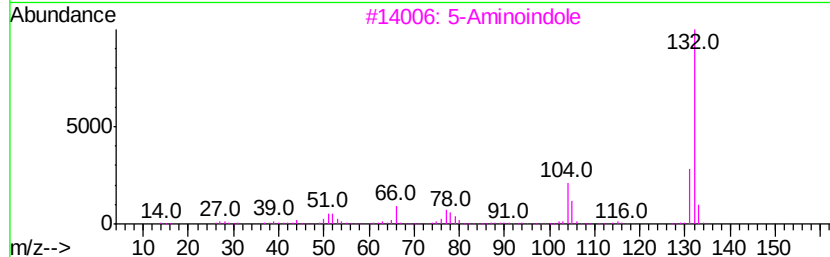
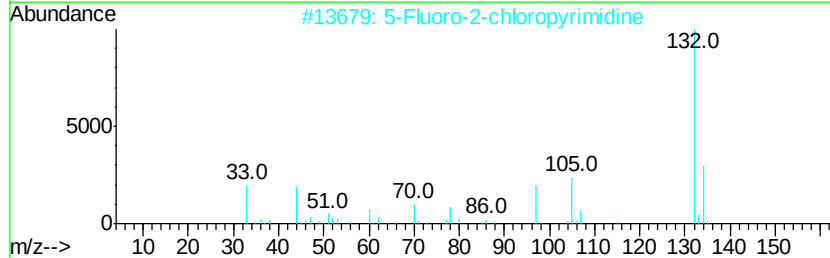
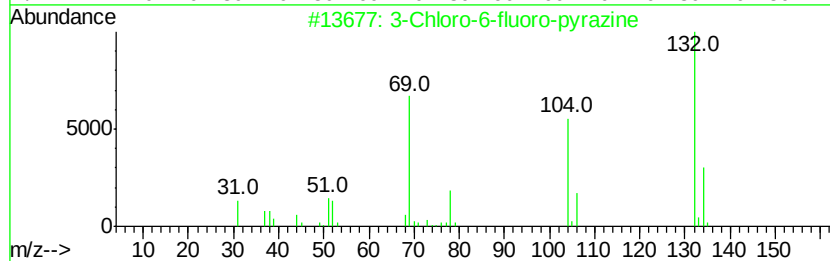
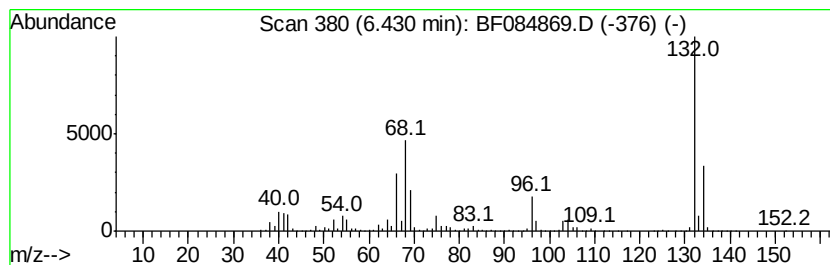
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.43 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.43	116.12 ng	5983850	1,4-Dichlorobenzene-d4	6.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
Data File : BF084869.D
Acq On : 5 Feb 2016 19:38
Operator : SJ/IZ
Sample : H1311-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUP-B006(20-22)

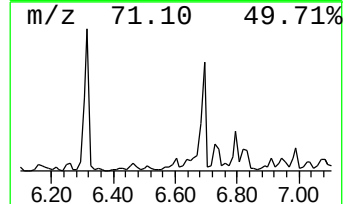
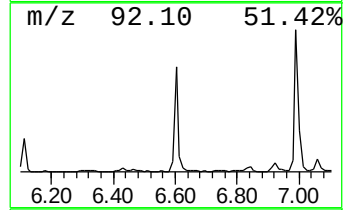
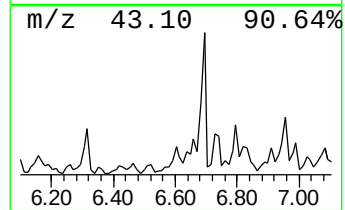
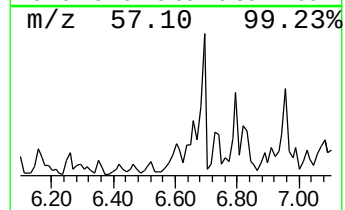
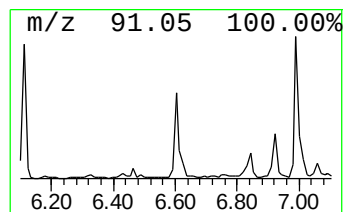
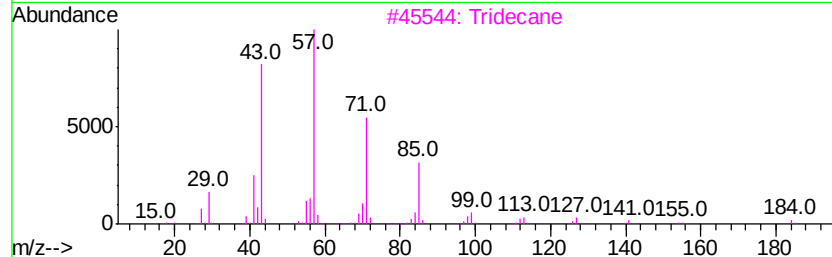
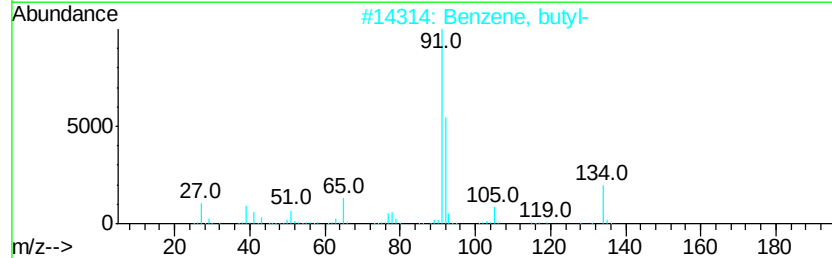
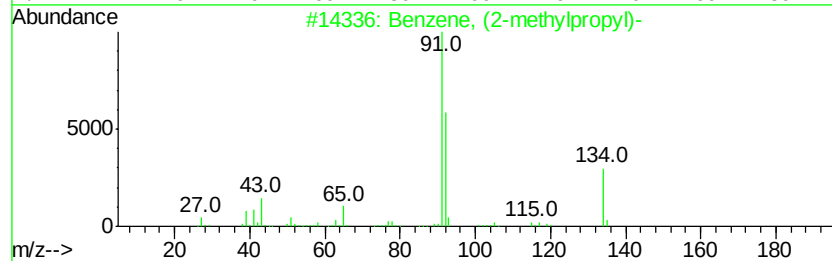
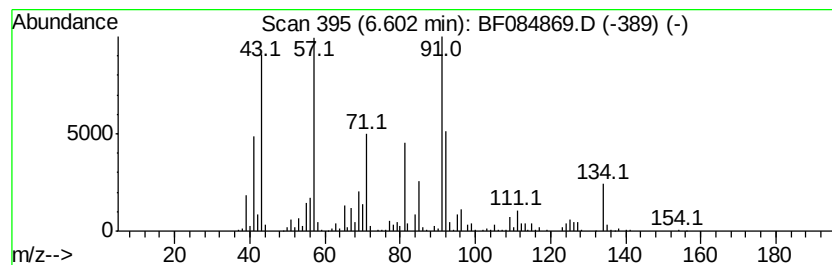
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown6.60 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	51.35 ng	2646340	1,4-Dichlorobenzene-d4	6.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	42
2		Benzene, butyl-	134	C10H14	000104-51-8	38
3		Tridecane	184	C13H28	000629-50-5	35
4		Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	30
5		Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
Data File : BF084869.D
Acq On : 5 Feb 2016 19:38
Operator : SJ/IZ
Sample : H1311-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUP-B006(20-22)

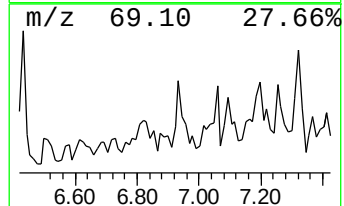
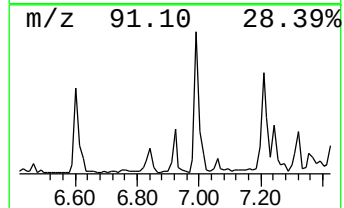
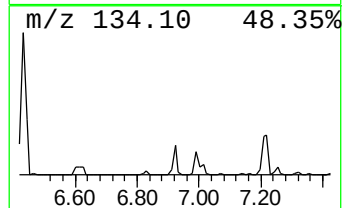
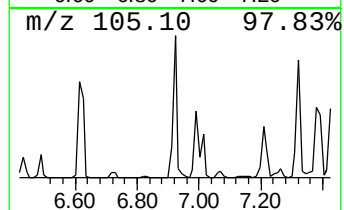
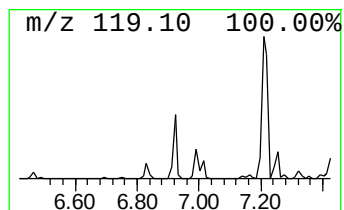
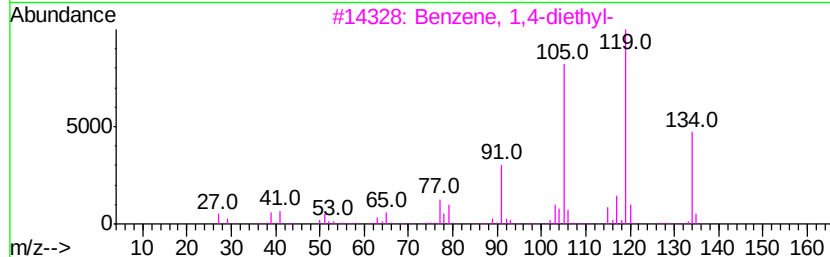
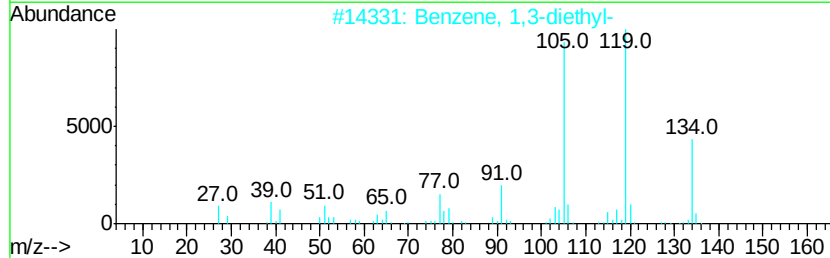
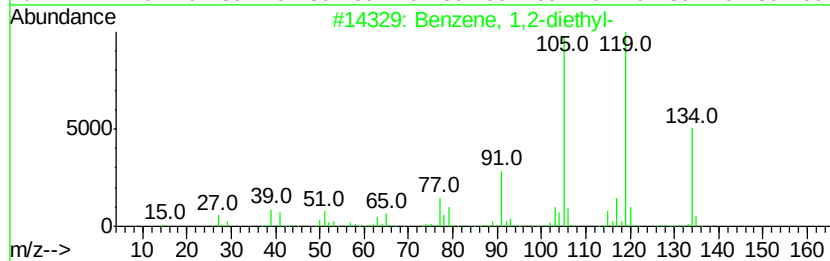
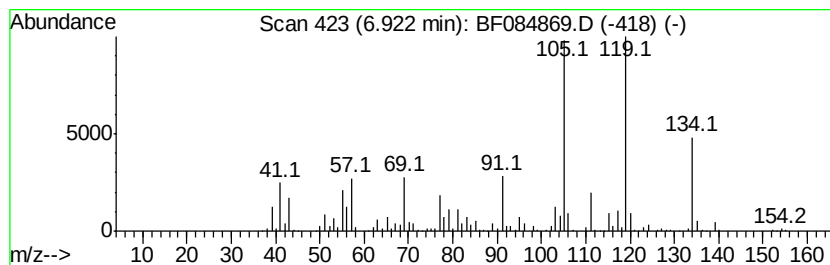
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzene, 1,2-diethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	64.90 ng	3344380	1,4-Dichlorobenzene-d4	6.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	83
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
Data File : BF084869.D
Acq On : 5 Feb 2016 19:38
Operator : SJ/IZ
Sample : H1311-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUP-B006(20-22)

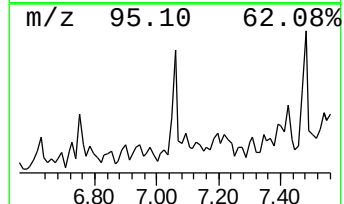
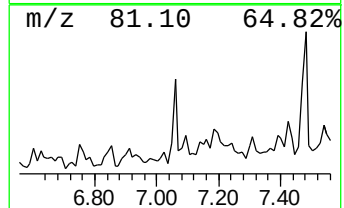
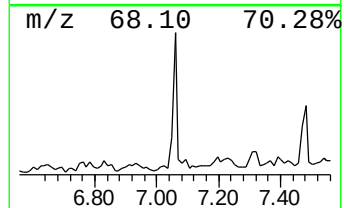
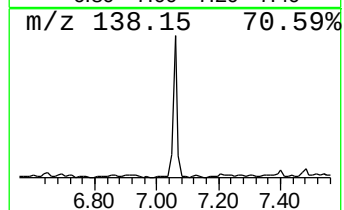
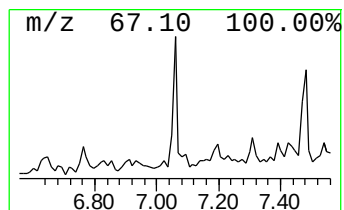
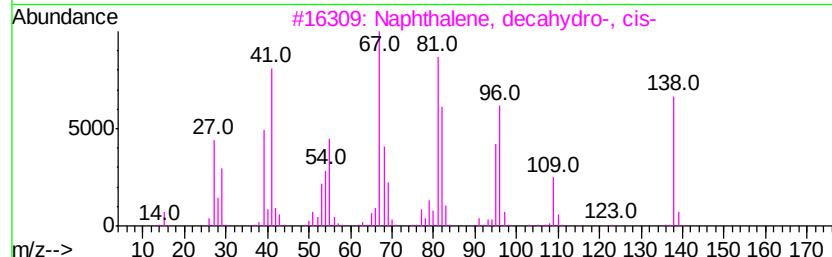
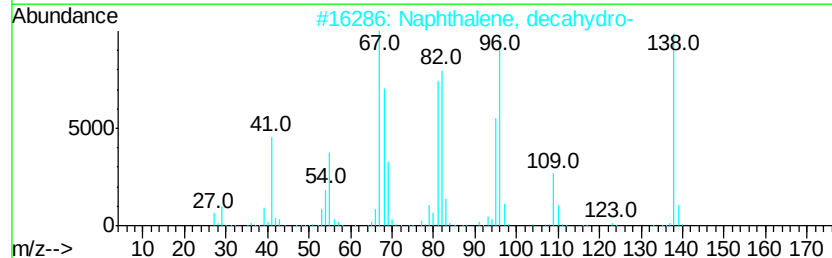
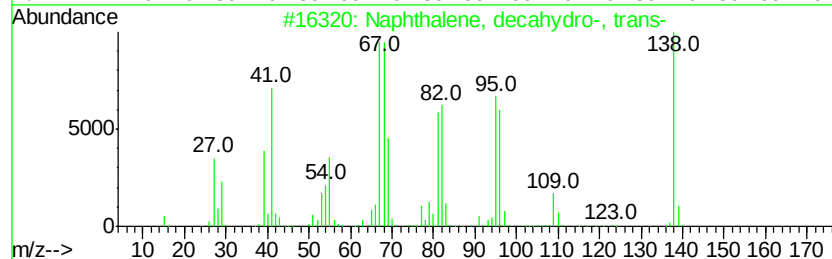
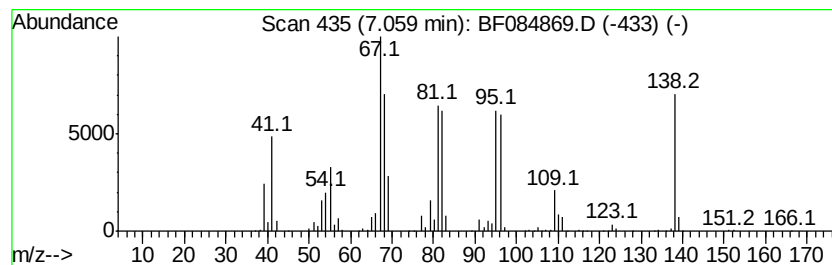
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, decahydro-, tr... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	33.45 ng	1723760	1,4-Dichlorobenzene-d4	6.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	94
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	91
3		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	90
4		Spiro[4.5]decane	138	C10H18	000176-63-6	90
5		Spiro[4.4]nonan-2-one	138	C9H14O	034177-18-9	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
Data File : BF084869.D
Acq On : 5 Feb 2016 19:38
Operator : SJ/IZ
Sample : H1311-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUP-B006(20-22)

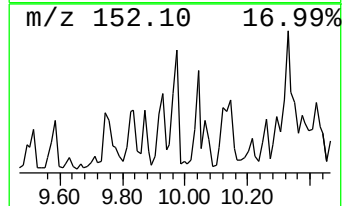
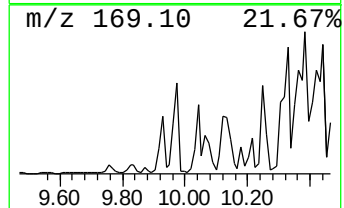
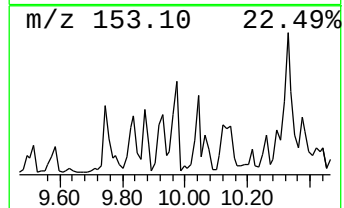
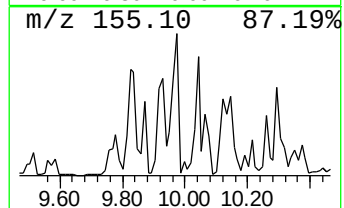
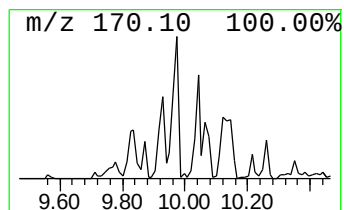
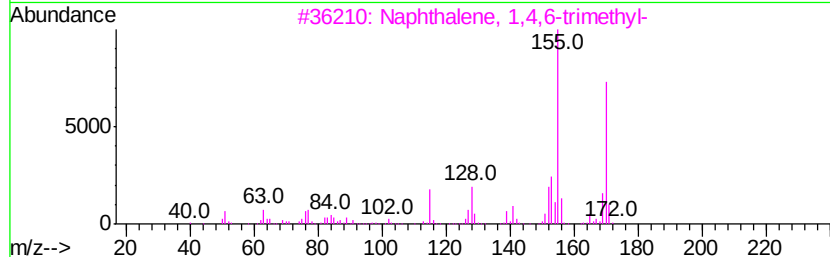
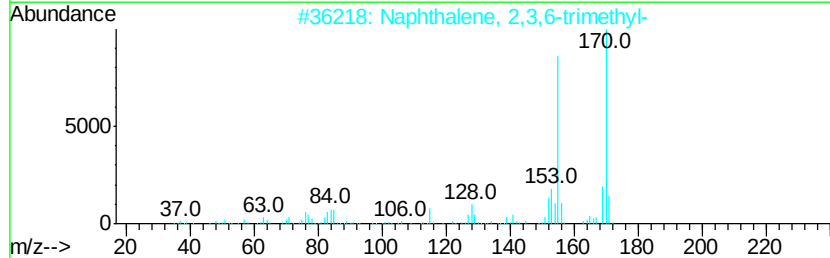
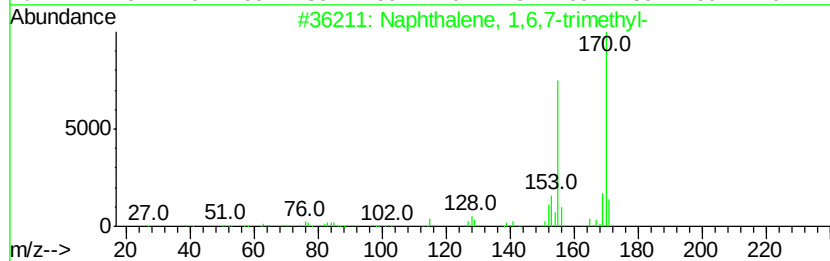
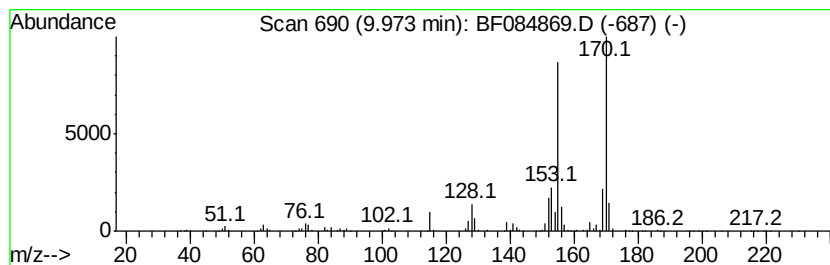
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 1,6,7-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.97	44.76 ng	9367490	Acenaphthene-d10	9.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
Data File : BF084869.D
Acq On : 5 Feb 2016 19:38
Operator : SJ/IZ
Sample : H1311-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUP-B006(20-22)

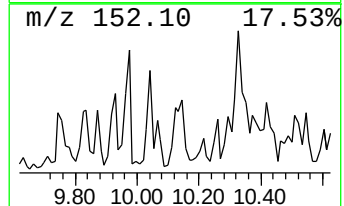
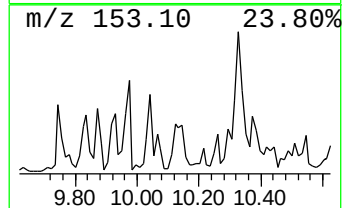
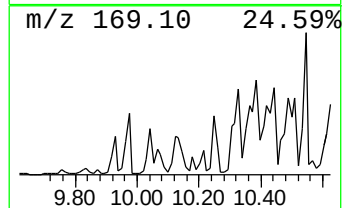
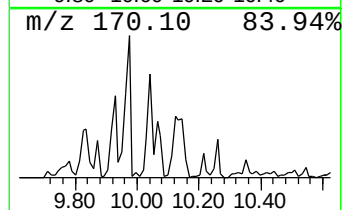
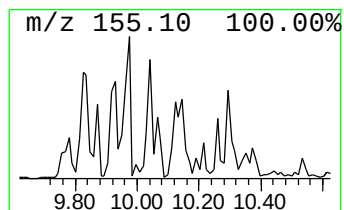
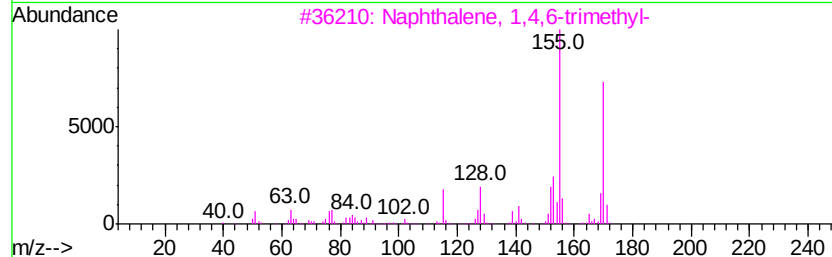
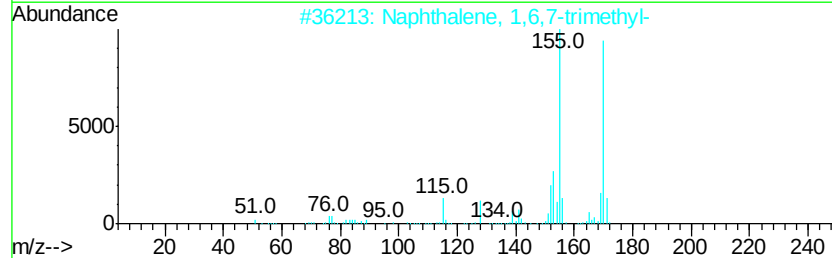
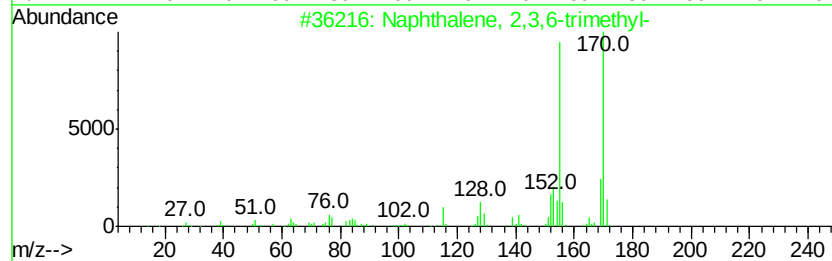
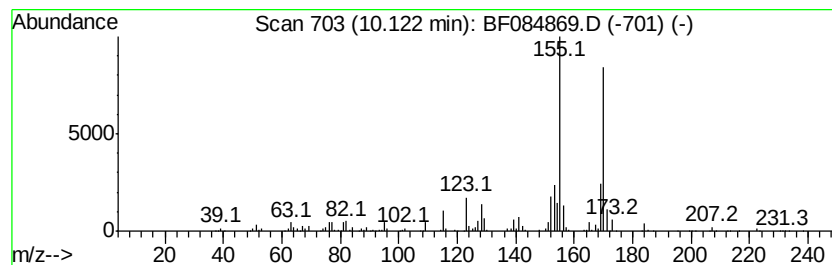
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2,3,6-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.12	30.42 ng	6366340	Acenaphthene-d10	9.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	93
5		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
Data File : BF084869.D
Acq On : 5 Feb 2016 19:38
Operator : SJ/IZ
Sample : H1311-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUP-B006(20-22)

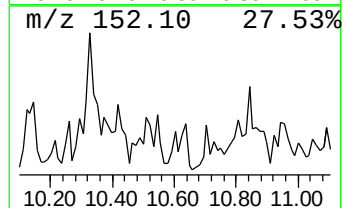
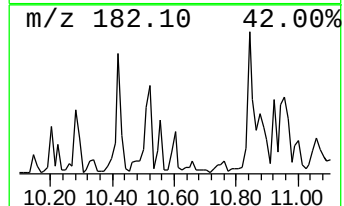
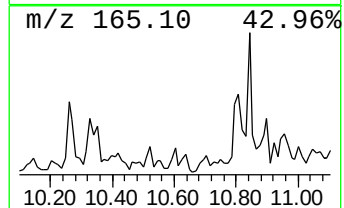
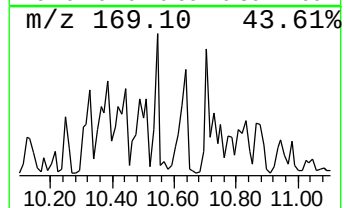
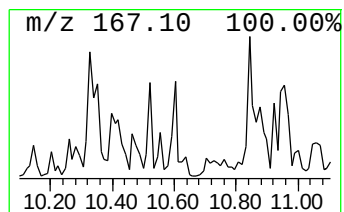
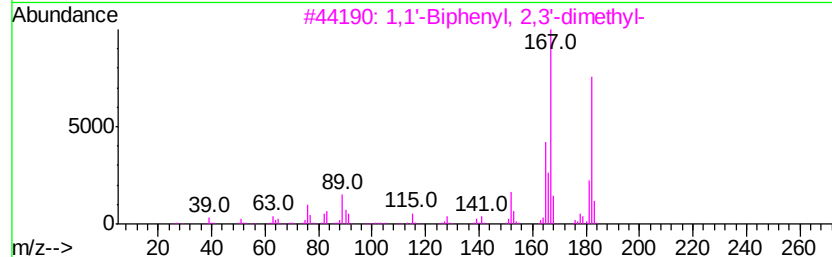
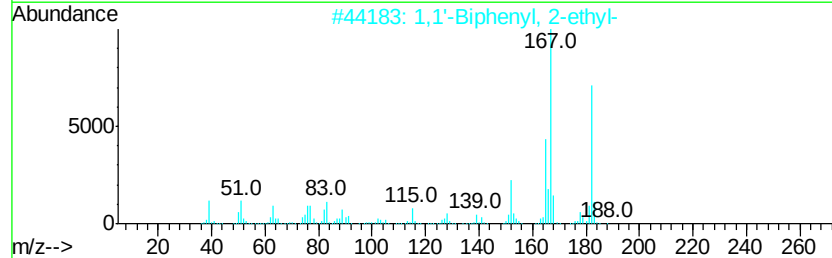
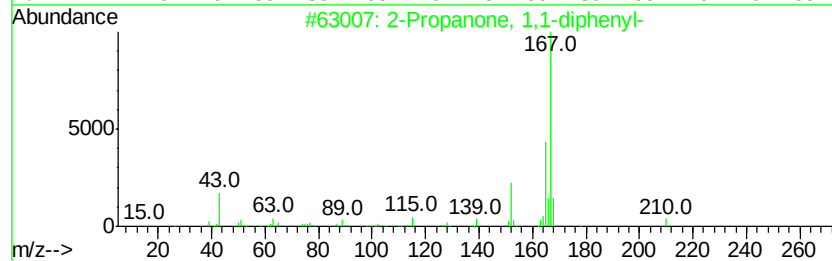
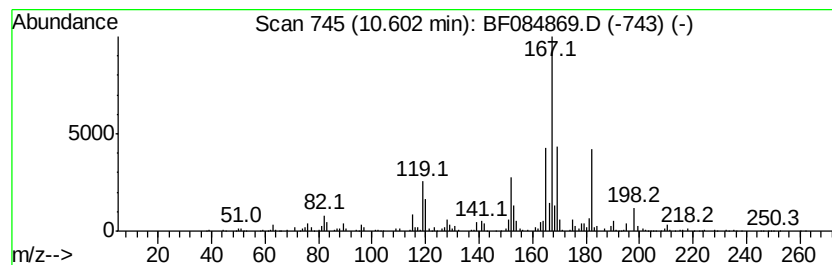
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 2-Propanone, 1,1-diphenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.60	34.27 ng	1624960	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Propanone, 1,1-diphenyl-	210	C15H14O	000781-35-1	91
2		1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	86
3		1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	58
4		Benzenemethanol, 4-(phenylmethyl)-	198	C14H14O	035714-20-6	53
5		1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
Data File : BF084869.D
Acq On : 5 Feb 2016 19:38
Operator : SJ/IZ
Sample : H1311-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUP-B006(20-22)

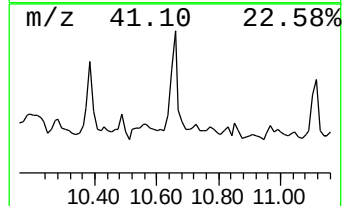
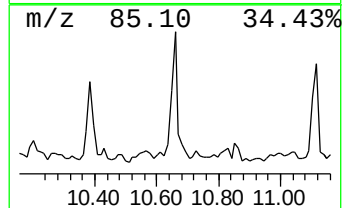
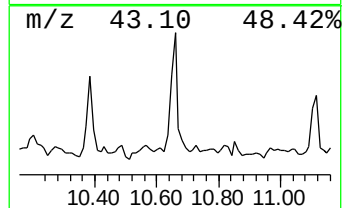
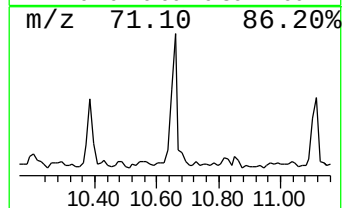
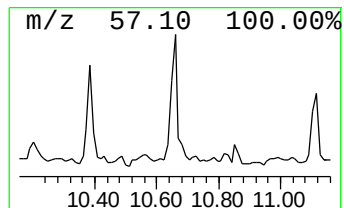
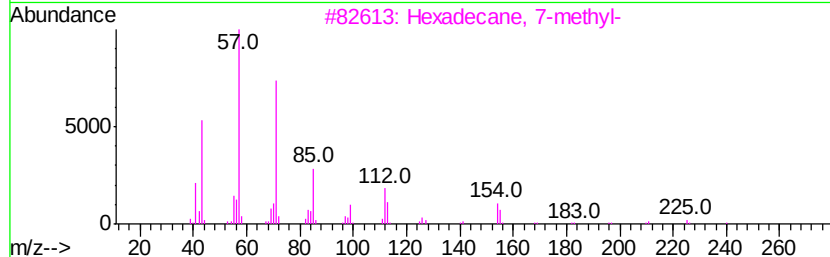
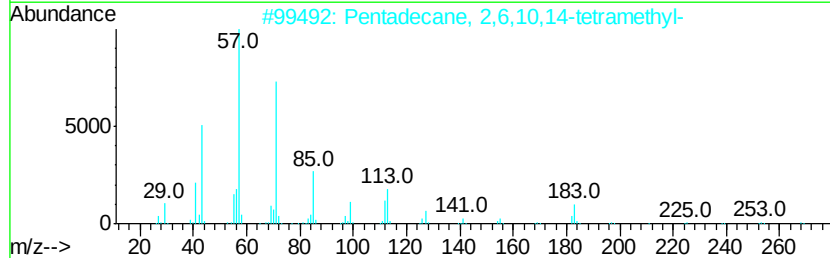
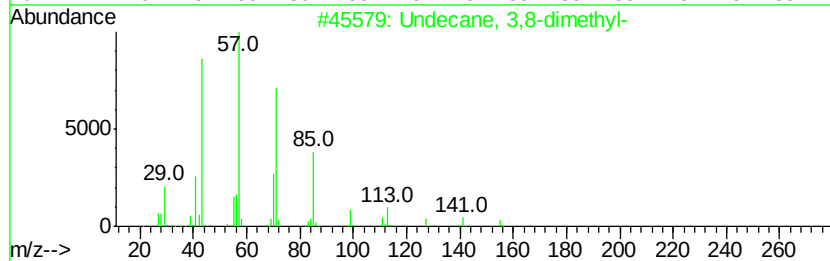
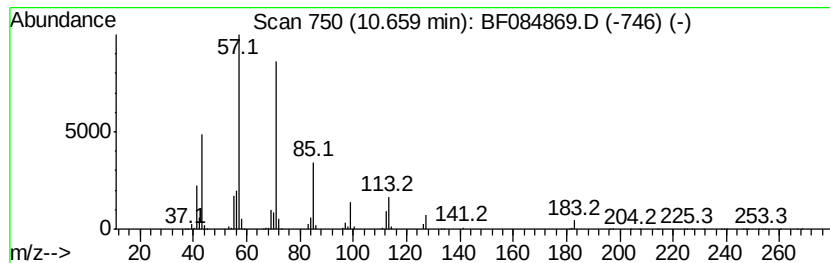
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Undecane, 3,8-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	195.85 ng	9286520	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	78
2		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	78
3		Hexadecane, 7-methyl-	240	C17H36	026730-20-1	74
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
5		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
Data File : BF084869.D
Acq On : 5 Feb 2016 19:38
Operator : SJ/IZ
Sample : H1311-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUP-B006(20-22)

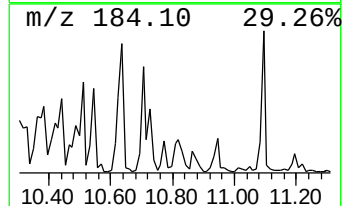
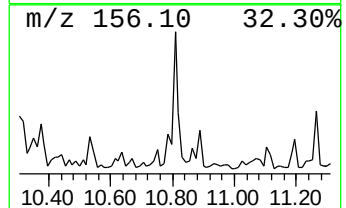
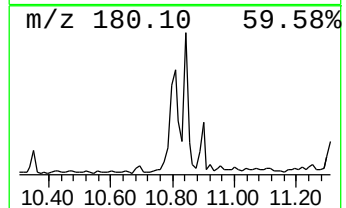
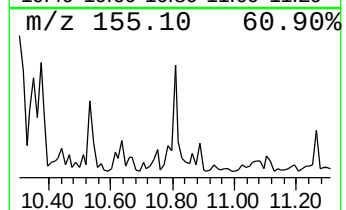
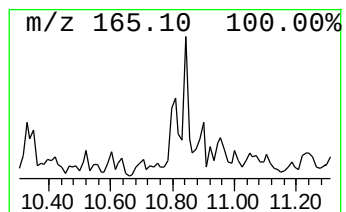
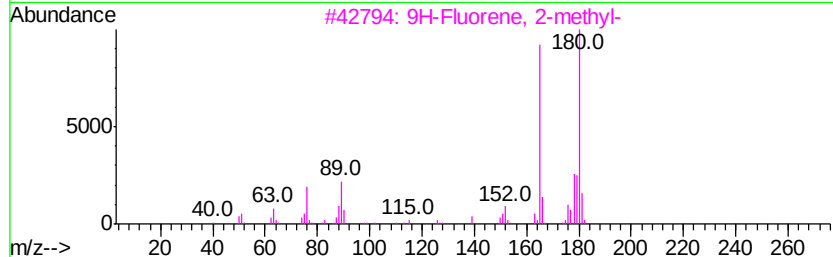
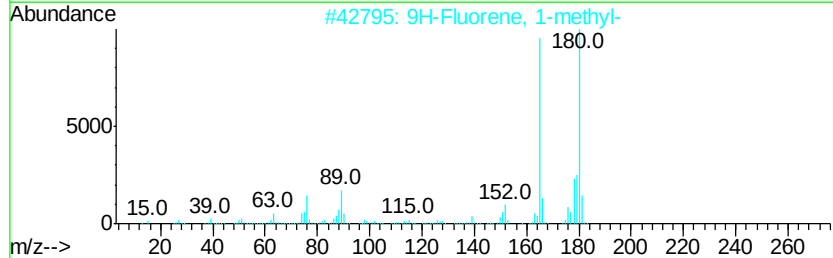
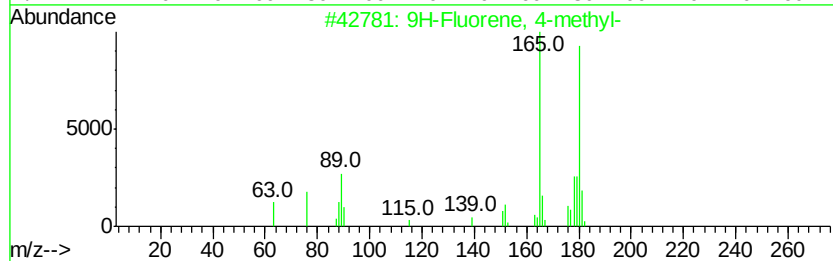
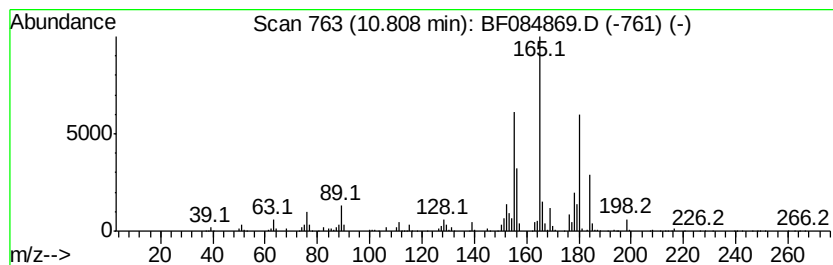
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9H-Fluorene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	29.45 ng	1396650	Phenanthrene-d10	11.20

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	70
2			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	70
3			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	55
4			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	55
5			4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
Data File : BF084869.D
Acq On : 5 Feb 2016 19:38
Operator : SJ/IZ
Sample : H1311-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUP-B006(20-22)

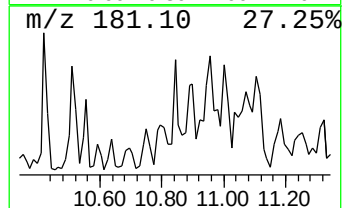
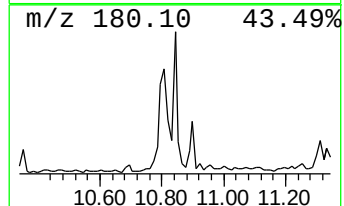
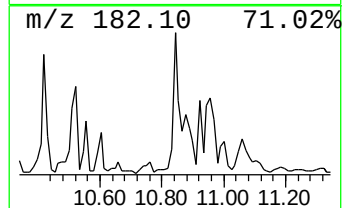
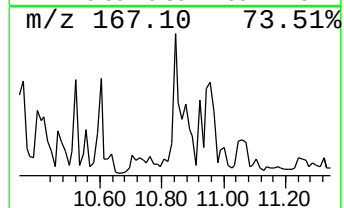
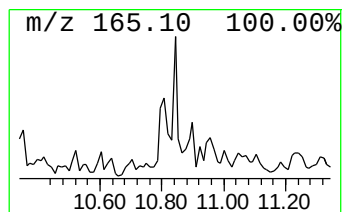
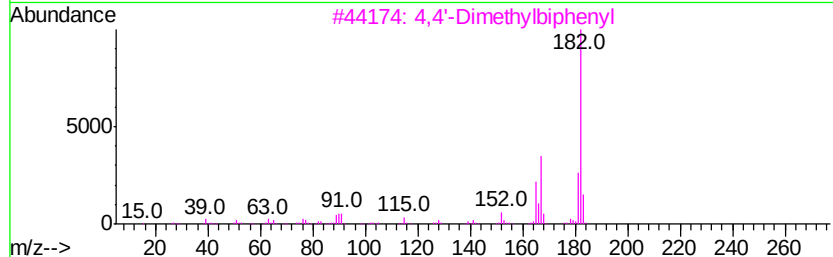
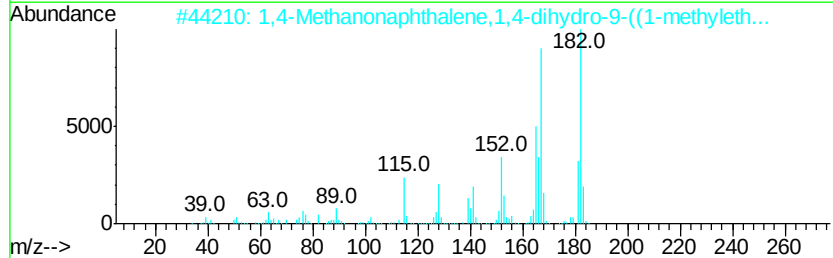
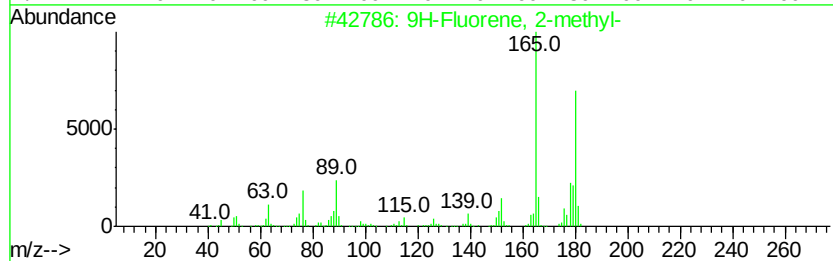
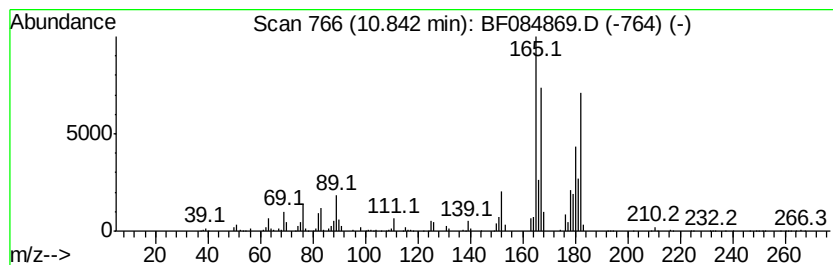
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9H-Fluorene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	81.70 ng	3874100	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	70
2		1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	53
3		4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	50
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	46
5		Tricyclo[4.4.1.0(2,5)]undeca-1(1...	182	C14H14	055836-29-8	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
Data File : BF084869.D
Acq On : 5 Feb 2016 19:38
Operator : SJ/IJ
Sample : H1311-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUP-B006(20-22)

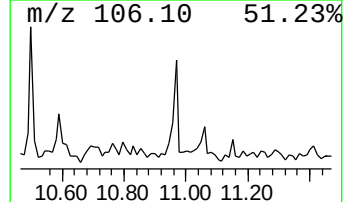
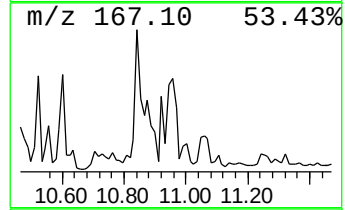
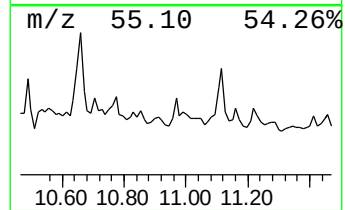
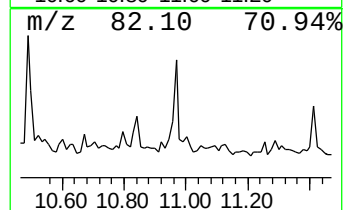
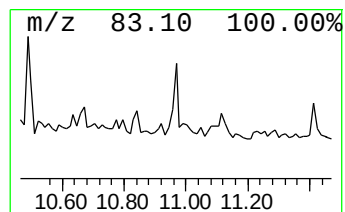
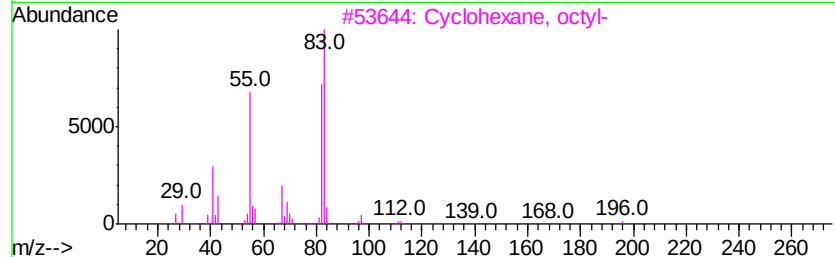
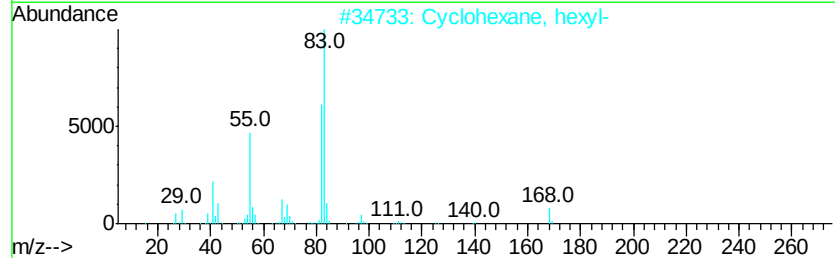
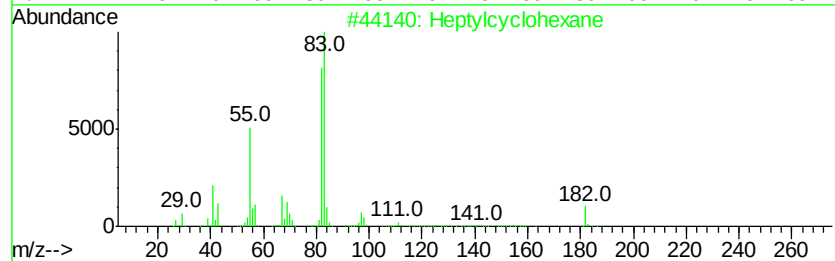
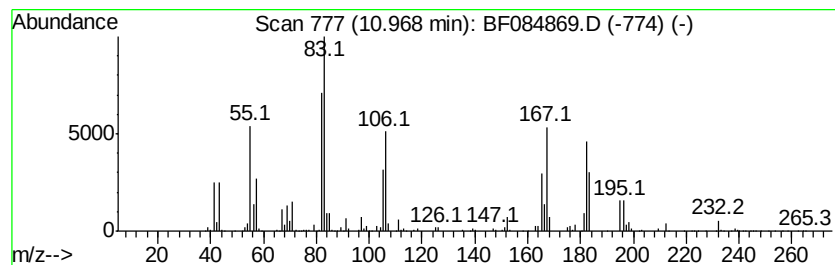
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown10.97 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	56.75 ng	2690800	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptylcyclohexane	182	C13H26	005617-41-4	46
2		Cyclohexane, hexyl-	168	C12H24	004292-75-5	42
3		Cyclohexane, octyl-	196	C14H28	001795-15-9	42
4		2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	38
5		Cyclohexane, eicosyl-	364	C26H52	004443-55-4	30



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
Data File : BF084869.D
Acq On : 5 Feb 2016 19:38
Operator : SJ/IZ
Sample : H1311-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUP-B006(20-22)

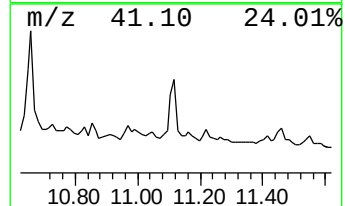
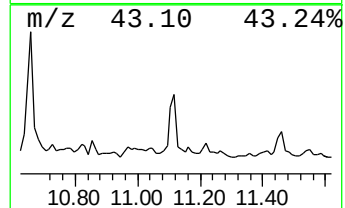
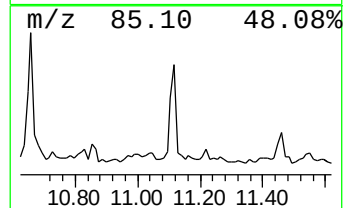
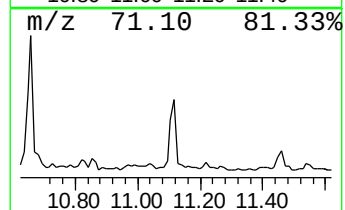
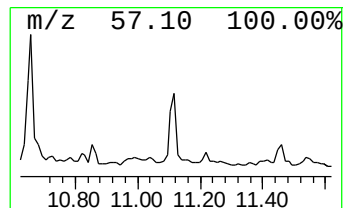
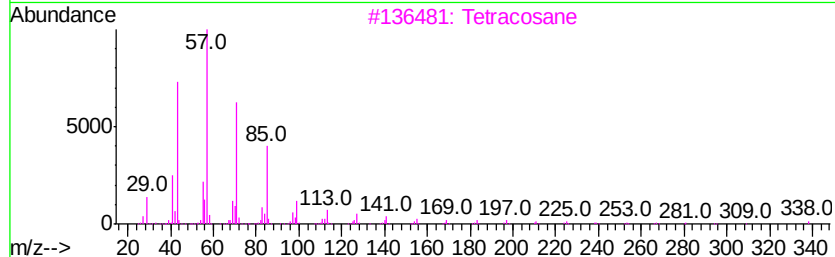
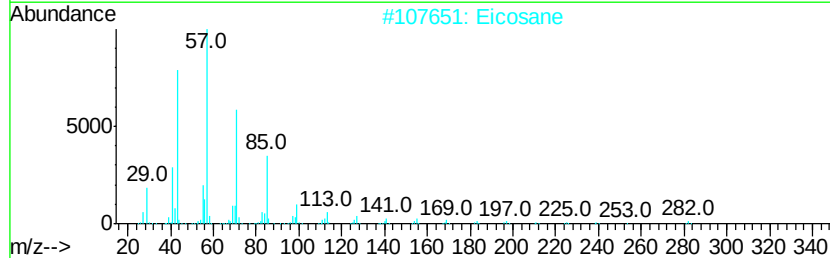
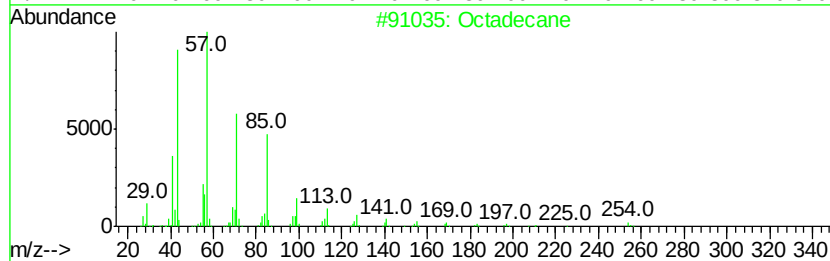
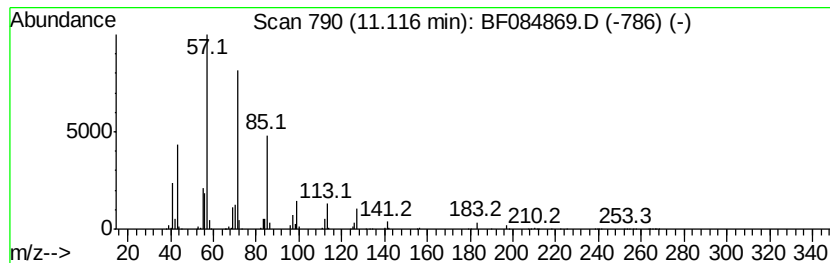
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Octadecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	164.28 ng	7789880	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane	254	C18H38	000593-45-3	91
2		Eicosane	282	C20H42	000112-95-8	90
3		Tetracosane	338	C24H50	000646-31-1	90
4		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
5		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
Data File : BF084869.D
Acq On : 5 Feb 2016 19:38
Operator : SJ/IZ
Sample : H1311-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUP-B006(20-22)

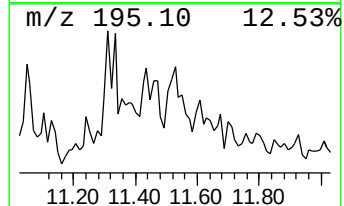
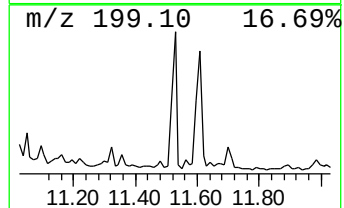
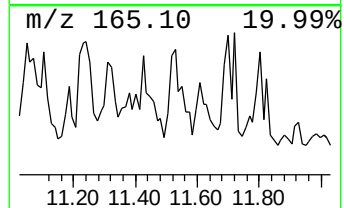
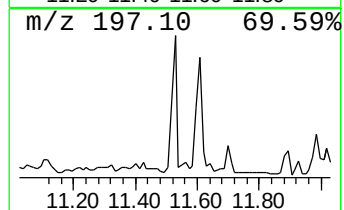
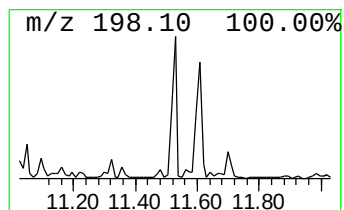
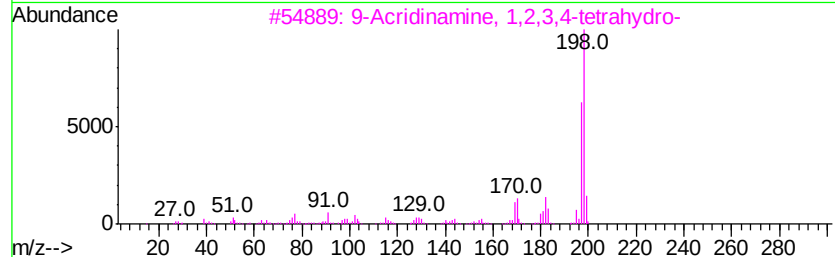
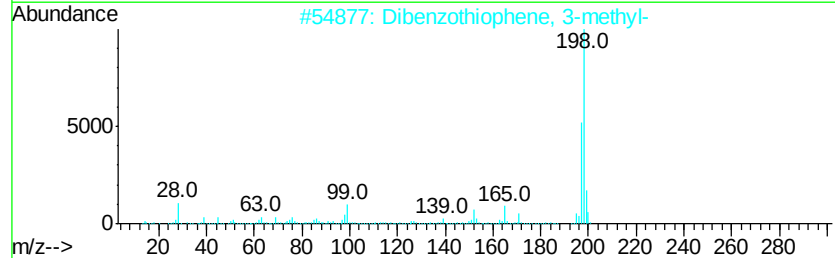
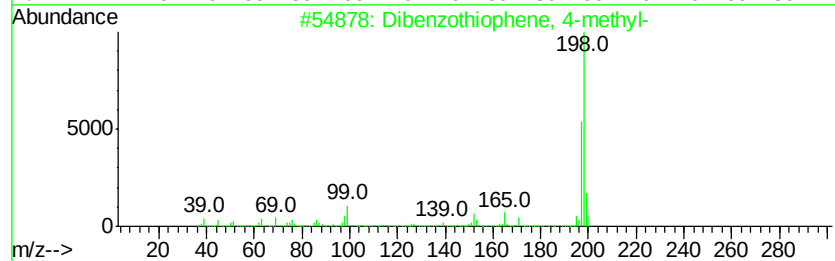
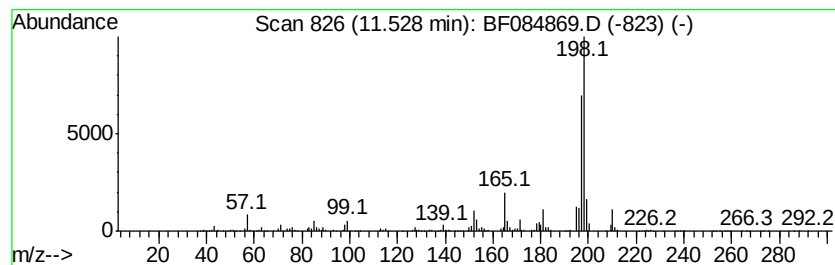
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Dibenzothiophene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.53	77.33 ng	3666620	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	76
2		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	68
3		9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	64
4		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	58
5		.alpha.-[1-Indanylidene]cyanoace...	198	C12H10N2O	058787-18-1	55



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
Data File : BF084869.D
Acq On : 5 Feb 2016 19:38
Operator : SJ/IZ
Sample : H1311-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

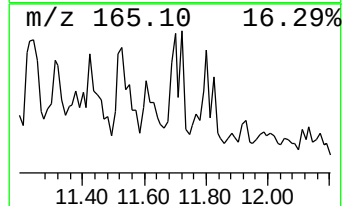
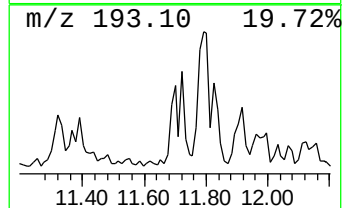
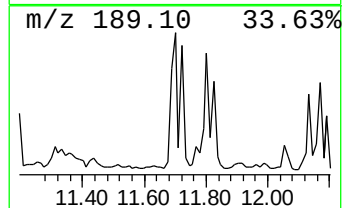
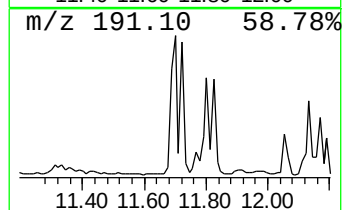
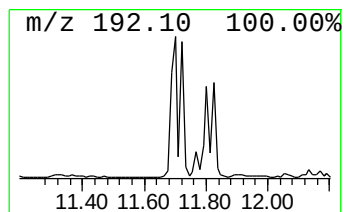
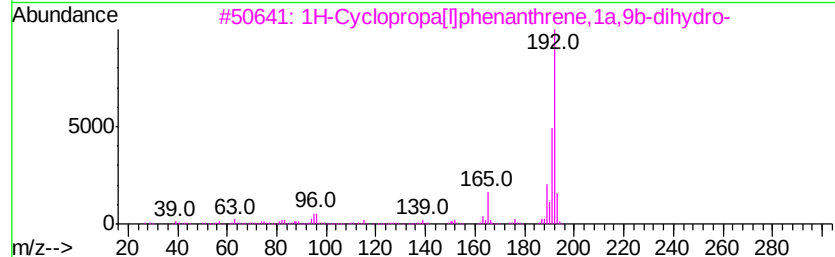
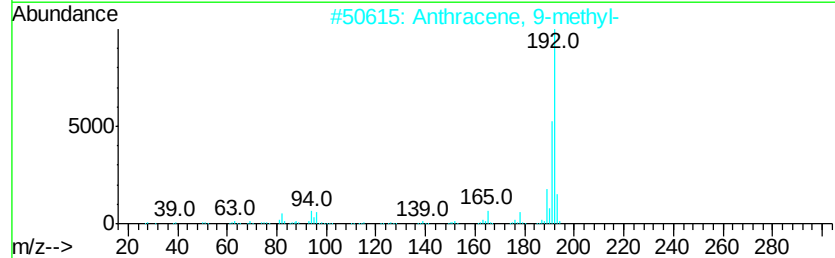
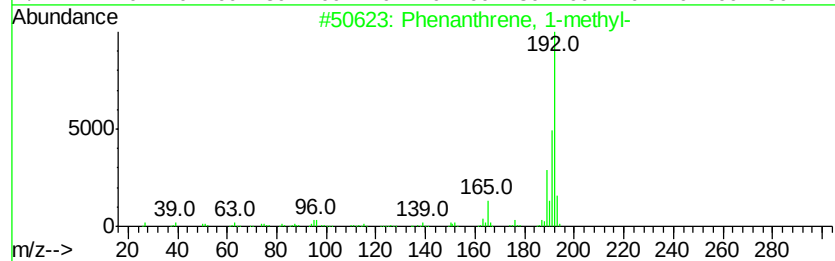
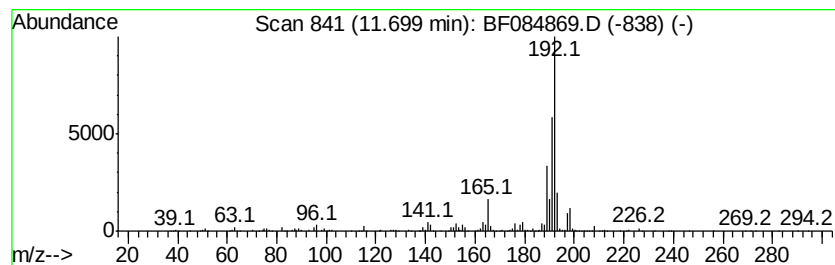
Instrument :
BNA_F
ClientSampleId :
SUP-B006(20-22)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.70	104.84 ng	4971390	Phenanthrene-d10	11.20	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
Data File : BF084869.D
Acq On : 5 Feb 2016 19:38
Operator : SJ/IZ
Sample : H1311-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUP-B006(20-22)

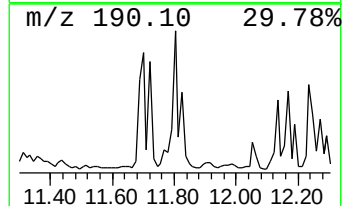
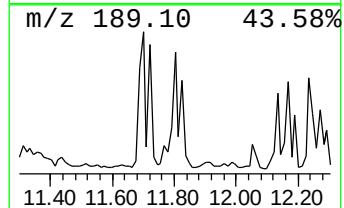
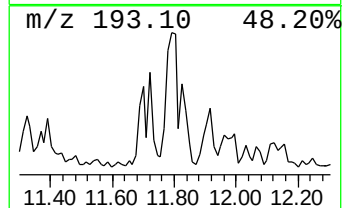
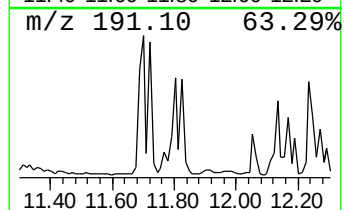
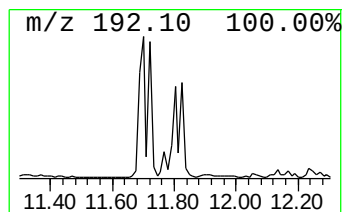
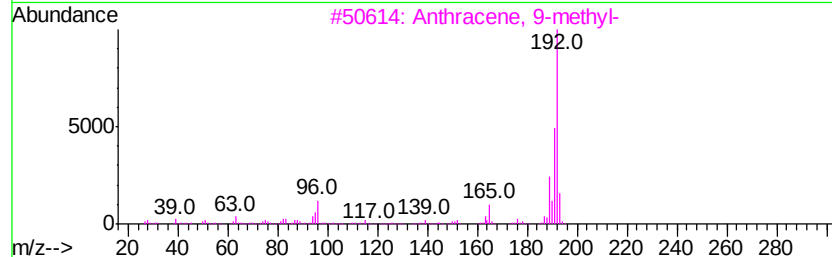
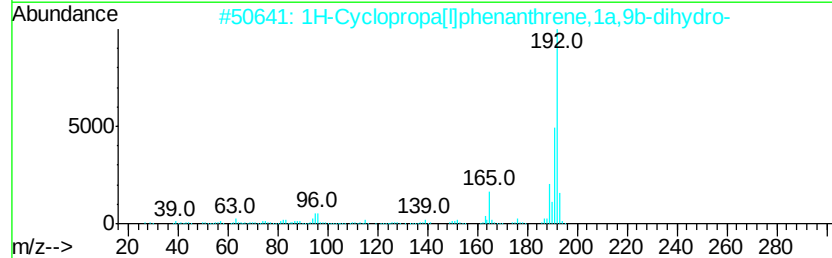
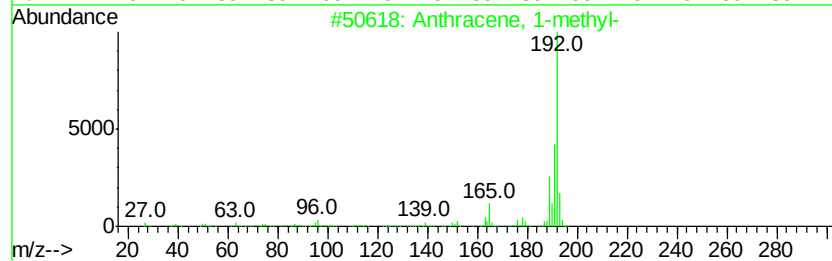
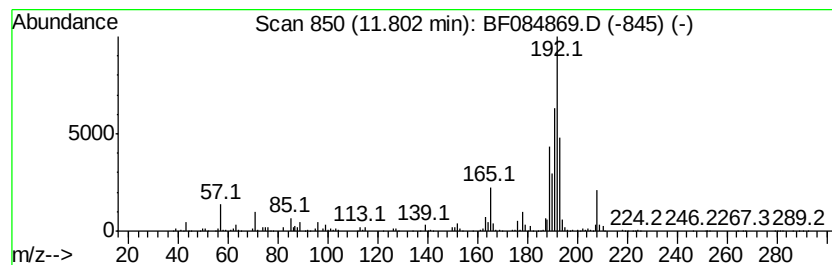
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	125.88 ng	5969030	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	60
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	60
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	55



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
Data File : BF084869.D
Acq On : 5 Feb 2016 19:38
Operator : SJ/IZ
Sample : H1311-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUP-B006(20-22)

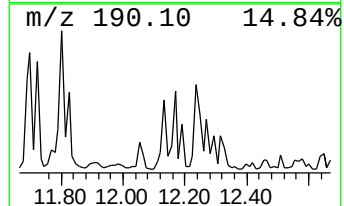
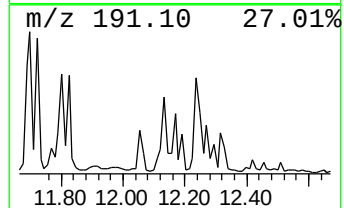
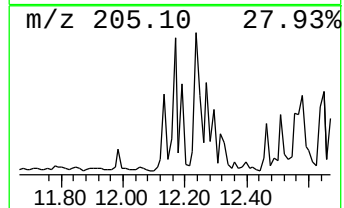
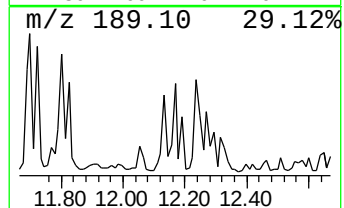
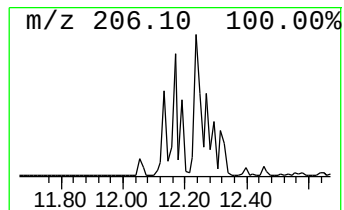
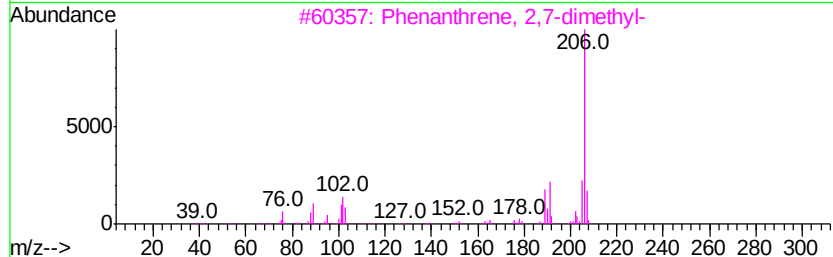
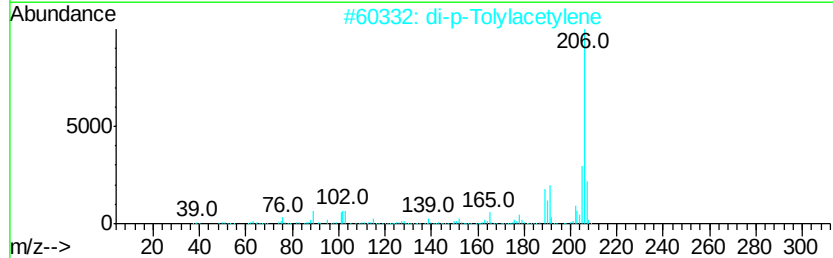
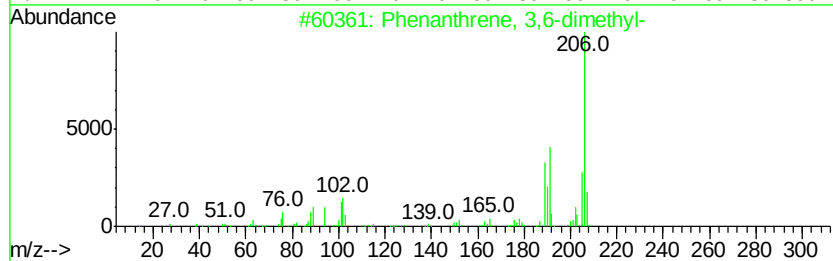
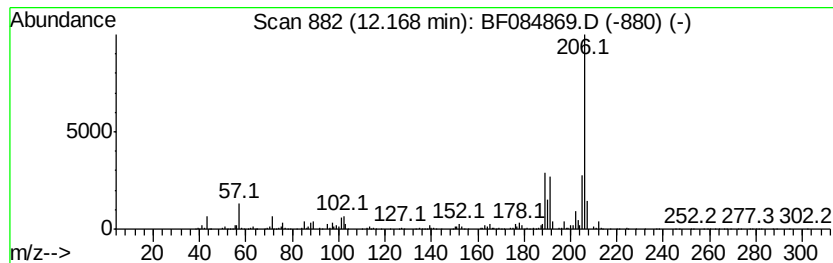
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	60.18 ng	2853350	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	87
3		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	80
4		Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	74
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
Data File : BF084869.D
Acq On : 5 Feb 2016 19:38
Operator : SJ/IZ
Sample : H1311-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUP-B006(20-22)

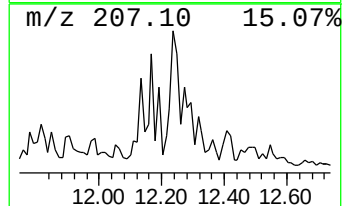
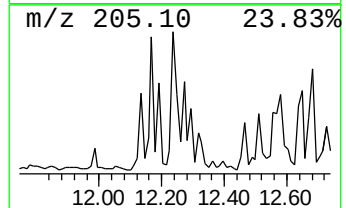
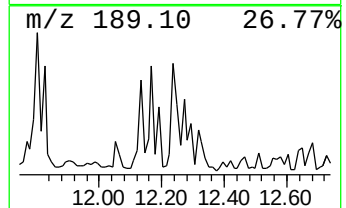
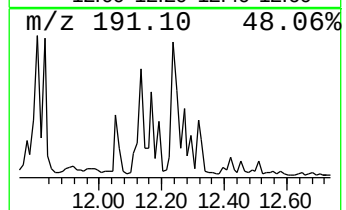
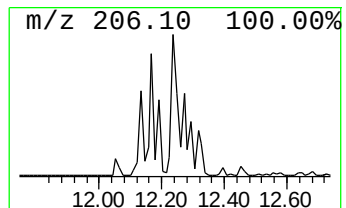
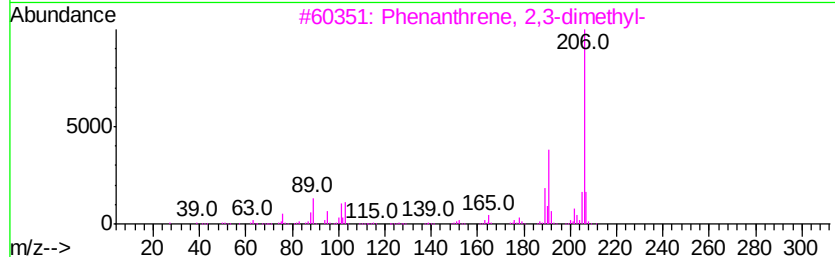
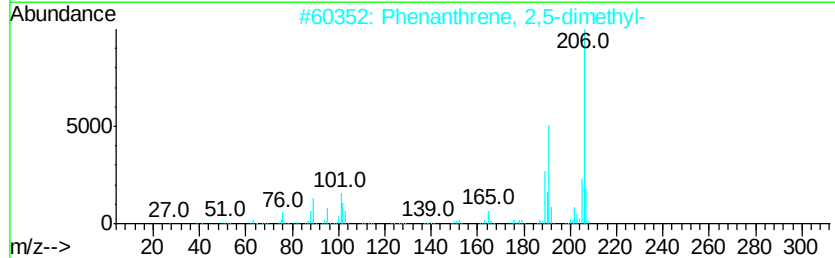
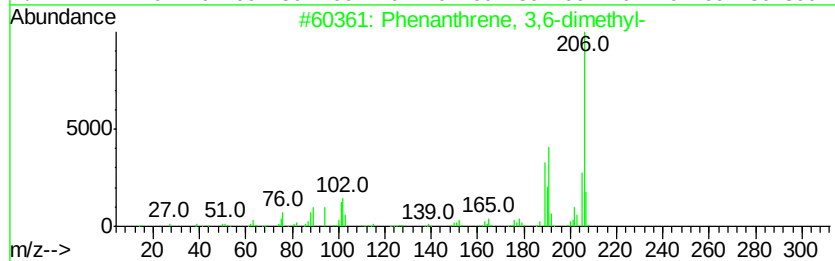
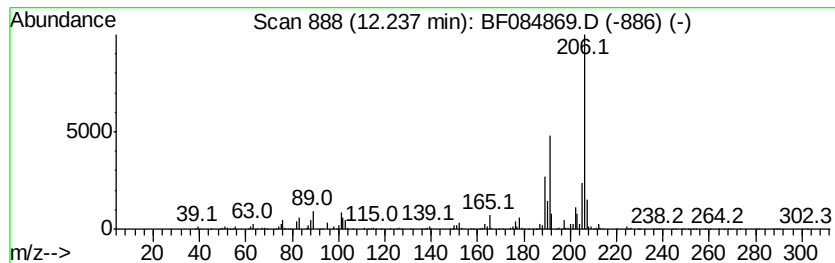
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	85.78 ng	4067260	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
 Data File : BF084869.D
 Acq On : 5 Feb 2016 19:38
 Operator : SJ/IZ
 Sample : H1311-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B006(20-22)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Nonane, 3-methyl-	5.90	29.6	ng	1522590	1	6.66	1030640	20.0
unknown6.43	6.43	116.1	ng	5983850	1	6.66	1030640	20.0
unknown6.60	6.60	51.4	ng	2646340	1	6.66	1030640	20.0
Benzene, 1,2-diet...	6.92	64.9	ng	3344380	1	6.66	1030640	20.0
Naphthalene, deca...	7.06	33.5	ng	1723760	1	6.66	1030640	20.0
Naphthalene, 1,6,...	9.97	44.8	ng	9367490	3	9.71	4185490	20.0
Naphthalene, 2,3,...	10.12	30.4	ng	6366340	3	9.71	4185490	20.0
2-Propanone, 1,1-...	10.60	34.3	ng	1624960	4	11.20	948344	20.0
Undecane, 3,8-dim...	10.66	195.8	ng	9286520	4	11.20	948344	20.0
9H-Fluorene, 4-me...	10.81	29.4	ng	1396650	4	11.20	948344	20.0
9H-Fluorene, 2-me...	10.84	81.7	ng	3874100	4	11.20	948344	20.0
unknown10.97	10.97	56.8	ng	2690800	4	11.20	948344	20.0
Octadecane	11.12	164.3	ng	7789880	4	11.20	948344	20.0
Dibenzothiophene,...	11.53	77.3	ng	3666620	4	11.20	948344	20.0
Phenanthrene, 1-m...	11.70	104.8	ng	4971390	4	11.20	948344	20.0
Anthracene, 1-met...	11.80	125.9	ng	5969030	4	11.20	948344	20.0
Phenanthrene, 3,6...	12.17	60.2	ng	2853350	4	11.20	948344	20.0
Phenanthrene, 2,5...	12.24	85.8	ng	4067260	4	11.20	948344	20.0