

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
 Data File : BF085647.D
 Acq On : 22 Mar 2016 5:17
 Operator : UM/SJ
 Sample : H1840-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-12-20.0-22.0

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-BF031816.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.030	237	240	247	rBV2	407428	701741	11.62%	0.463%
2	5.441	270	276	279	rBV	2239904	3147652	52.12%	2.076%
3	5.853	309	312	314	rVB2	201295	306754	5.08%	0.202%
4	5.990	321	324	326	rVB2	310654	360760	5.97%	0.238%
5	6.081	331	332	336	rBV3	533675	740696	12.27%	0.489%
6	6.173	339	340	346	rVB3	116852	336555	5.57%	0.222%
7	6.276	346	349	351	rBV	371448	481563	7.97%	0.318%
8	6.344	351	355	356	rBV2	282003	369839	6.12%	0.244%
9	6.367	356	357	361	rVB2	383924	507035	8.40%	0.334%
10	6.481	364	367	369	rBV	2625499	3197920	52.96%	2.109%
11	6.607	374	378	381	rBV2	2440083	4049112	67.05%	2.671%
12	6.699	382	386	388	rBV3	284209	465936	7.72%	0.307%
13	6.813	390	396	397	rBV4	275060	822968	13.63%	0.543%
14	6.859	397	400	402	rVB2	1042835	1966909	32.57%	1.297%
15	6.904	402	404	406	rBV	444315	550965	9.12%	0.363%
16	6.961	406	409	410	rBV2	374413	587919	9.74%	0.388%
17	6.996	410	412	416	rVB2	2544402	3795929	62.86%	2.504%
18	7.076	416	419	420	rBV2	380847	574164	9.51%	0.379%
19	7.121	420	423	425	rVB	674803	1130100	18.71%	0.745%
20	7.156	425	426	428	rBV2	334037	347937	5.76%	0.229%
21	7.201	428	430	431	rBV2	226309	341904	5.66%	0.226%
22	7.236	431	433	435	rBV2	708972	847333	14.03%	0.559%
23	7.384	442	446	447	rBV2	997240	1994618	33.03%	1.316%
24	7.407	447	448	453	rVB2	1660771	2530263	41.90%	1.669%
25	7.487	453	455	457	rBV3	847032	1422169	23.55%	0.938%
26	7.556	457	461	463	rBV2	634941	1396880	23.13%	0.921%
27	7.636	463	468	469	rBV3	837436	1840142	30.47%	1.214%
28	7.659	469	470	471	rVB	979956	672250	11.13%	0.443%
29	7.750	474	478	479	rBV3	1020077	1832818	30.35%	1.209%
30	7.773	479	480	482	rVB2	1166018	1115367	18.47%	0.736%
31	7.819	482	484	485	rBV2	721024	774985	12.83%	0.511%
32	7.876	485	489	494	rVB7	584973	2020912	33.47%	1.333%
33	7.956	494	496	498	rBV3	795577	1027085	17.01%	0.677%
34	8.002	498	500	502	rBV2	637846	1102248	18.25%	0.727%

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35	8.127	504	511	515	rBV7	1846681	6038853	100.00%	3.983%
36	8.207	515	518	519	rVB2	1963236	2787844	46.17%	1.839%
37	8.299	524	526	527	rBV2	515582	910260	15.07%	0.600%
38	8.344	527	530	531	rVB3	823161	1238089	20.50%	0.817%
39	8.367	531	532	534	rBV2	279797	457678	7.58%	0.302%
40	8.424	534	537	539	rVB4	1175431	2430716	40.25%	1.603%
41	8.527	544	546	547	rVB	910597	1197965	19.84%	0.790%
42	8.573	547	550	552	rBV2	1989110	4393040	72.75%	2.897%
43	8.642	554	556	557	rBV	886047	1063285	17.61%	0.701%
44	8.699	557	561	562	rBV3	381370	804378	13.32%	0.531%
45	8.733	562	564	566	rBV3	675966	1380066	22.85%	0.910%
46	8.836	571	573	576	rVB2	1253122	1953723	32.35%	1.289%
47	8.893	576	578	579	rBV2	448973	726338	12.03%	0.479%
48	8.950	579	583	588	rBV6	1137878	3835969	63.52%	2.530%
49	9.053	590	592	593	rVB	906184	1163667	19.27%	0.768%
50	9.087	593	595	596	rBV	408925	469887	7.78%	0.310%
51	9.167	600	602	604	rBV2	2195472	2642023	43.75%	1.743%
52	9.213	604	606	607	rBV	2033440	1810500	29.98%	1.194%
53	9.293	611	613	616	rBV3	933966	2064460	34.19%	1.362%
54	9.362	616	619	622	rBV2	857342	1897902	31.43%	1.252%
55	9.419	622	624	626	rVB2	785241	890917	14.75%	0.588%
56	9.487	627	630	632	rBV	1533928	2314105	38.32%	1.526%
57	9.556	632	636	639	rBV3	1883838	3949149	65.40%	2.605%
58	9.625	639	642	645	rVB3	2213949	3449055	57.11%	2.275%
59	9.762	652	654	656	rVB3	784931	1080889	17.90%	0.713%
60	9.807	656	658	659	rVB2	1208901	1108666	18.36%	0.731%
61	9.842	659	661	662	rBV2	329686	333687	5.53%	0.220%
62	9.887	662	665	667	rBV3	1064891	2194728	36.34%	1.448%
63	9.933	667	669	670	rVV2	885593	1028018	17.02%	0.678%
64	10.002	673	675	677	rVB	1617559	2165886	35.87%	1.429%
65	10.047	677	679	681	rBV3	645501	1254334	20.77%	0.827%
66	10.093	681	683	685	rVV3	1407831	2143119	35.49%	1.414%
67	10.139	685	687	692	rVB4	1586250	3638301	60.25%	2.400%
68	10.219	692	694	695	rBV	1760512	2179066	36.08%	1.437%
69	10.322	700	703	704	rVB3	1003500	1844266	30.54%	1.216%
70	10.356	704	706	707	rBV	530704	564471	9.35%	0.372%
71	10.436	711	713	714	rBV2	1193327	1532829	25.38%	1.011%

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72	10.550	721	723	725	rVB	1990370	2684342	44.45%	1.770%
73	10.596	725	727	730	rVB3	977936	1566336	25.94%	1.033%
74	10.665	731	733	734	rBV2	675211	508661	8.42%	0.335%
75	10.825	744	747	750	rVB2	2762711	4407184	72.98%	2.907%
76	10.882	750	752	754	rBV3	679417	787925	13.05%	0.520%
77	10.985	759	761	763	rVV3	780883	1511835	25.04%	0.997%
78	11.019	763	764	768	rVV2	1496880	2234377	37.00%	1.474%
79	11.133	772	774	777	rBV4	753832	1411701	23.38%	0.931%
80	11.282	784	787	790	rVB2	2464652	3545516	58.71%	2.338%
81	11.396	794	797	799	rBV2	890903	1971120	32.64%	1.300%
82	11.488	803	805	808	rBV4	468889	944732	15.64%	0.623%
83	11.625	814	817	821	rVB5	970544	1886423	31.24%	1.244%
84	11.705	822	824	830	rVB4	849388	1779747	29.47%	1.174%
85	11.785	830	831	833	rVB	351429	341387	5.65%	0.225%
86	11.876	837	839	840	rBV	796084	650316	10.77%	0.429%
87	11.979	846	848	853	rVB3	718159	1605598	26.59%	1.059%
88	12.105	857	859	860	rVB2	293980	239674	3.97%	0.158%
89	12.311	874	877	879	rBV2	307198	549069	9.09%	0.362%
90	12.345	879	880	885	rVV	763982	1066334	17.66%	0.703%
91	12.425	885	887	888	rVV	606796	723443	11.98%	0.477%
92	12.448	888	889	892	rVV2	270854	393794	6.52%	0.260%
93	12.505	892	894	896	rVV	256562	274977	4.55%	0.181%
94	12.573	898	900	903	rVB2	414316	714279	11.83%	0.471%
95	12.733	913	914	918	rVB3	184082	302279	5.01%	0.199%
96	12.802	918	920	924	rVV2	456903	750597	12.43%	0.495%
97	12.951	931	933	935	rVV	2584844	2455540	40.66%	1.620%
98	13.991	1021	1024	1029	rBV2	625749	1020120	16.89%	0.673%
99	15.008	1111	1113	1118	rBV	121906	269139	4.46%	0.178%
100	15.419	1146	1149	1156	rVB	536283	720073	11.92%	0.475%

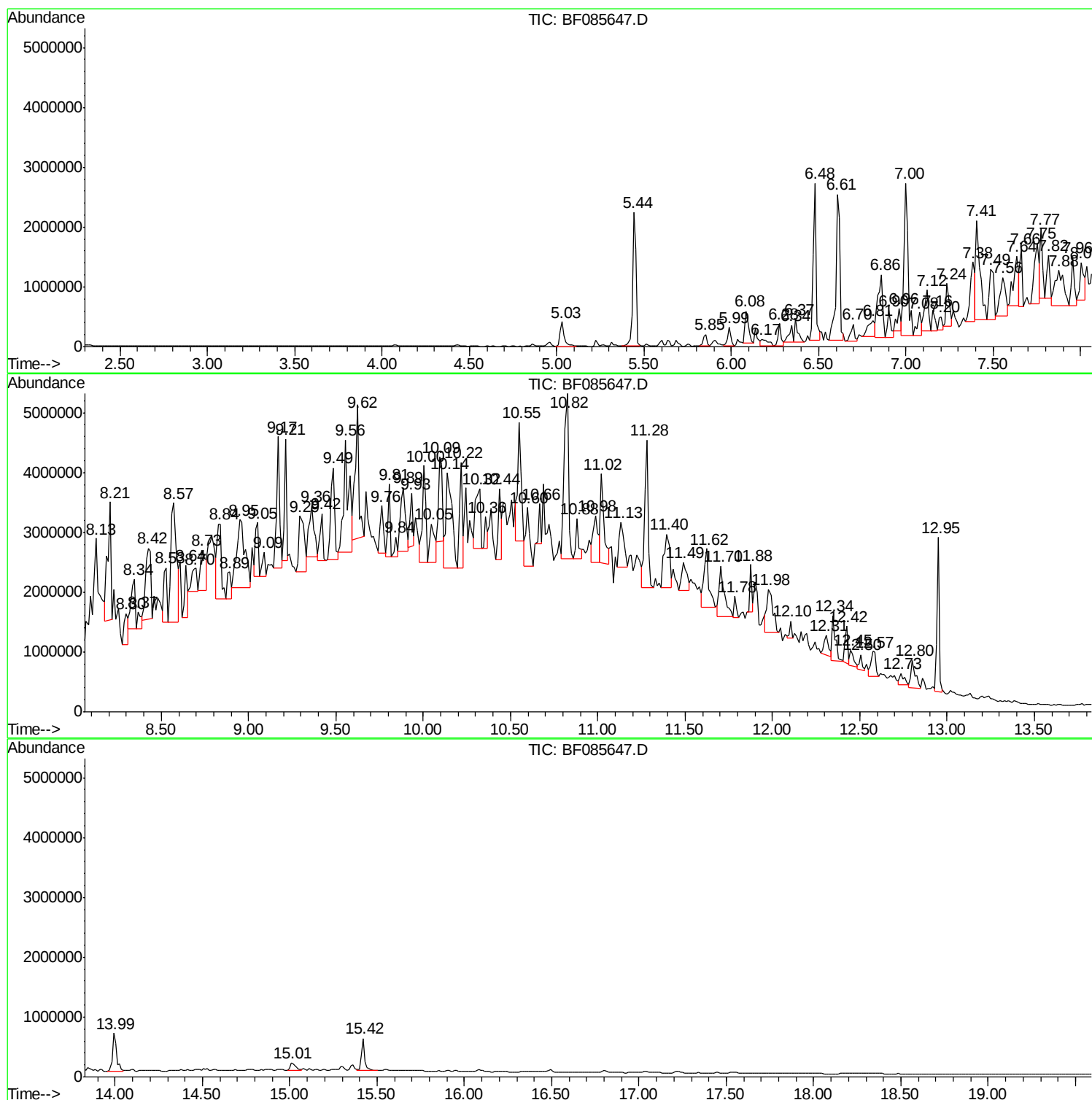
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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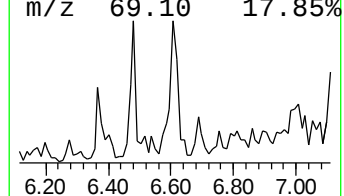
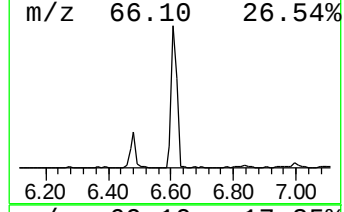
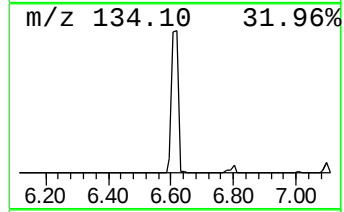
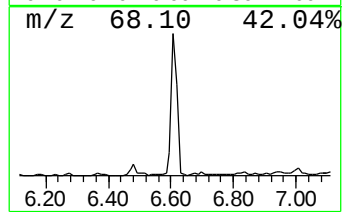
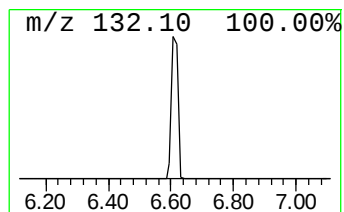
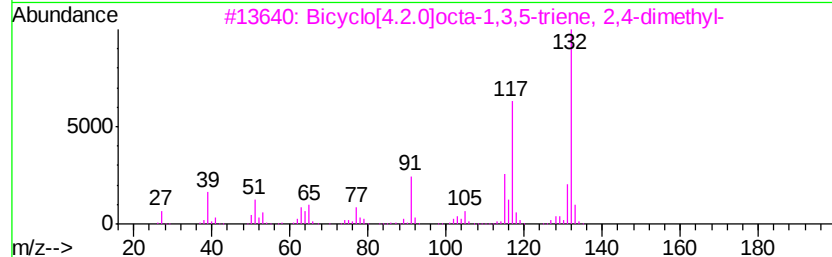
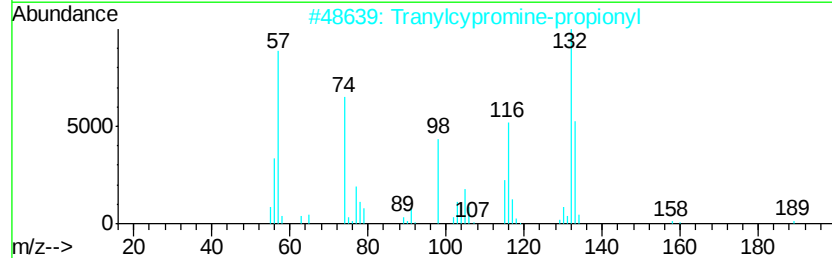
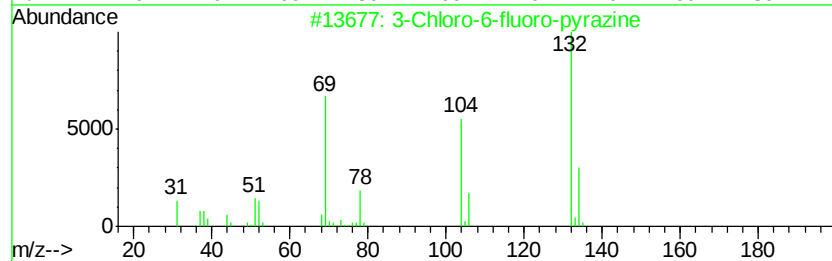
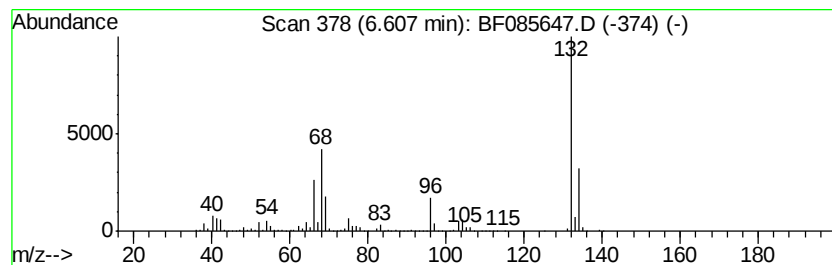
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.61 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	41.17 ng	4049110	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	9



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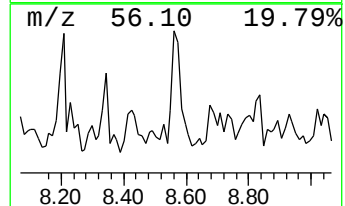
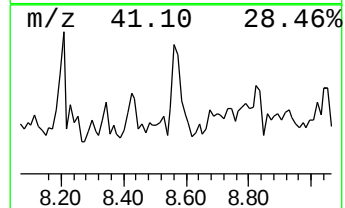
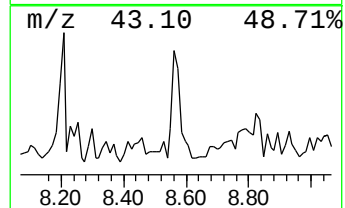
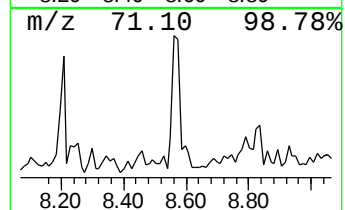
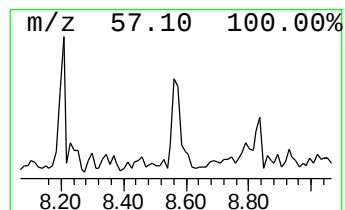
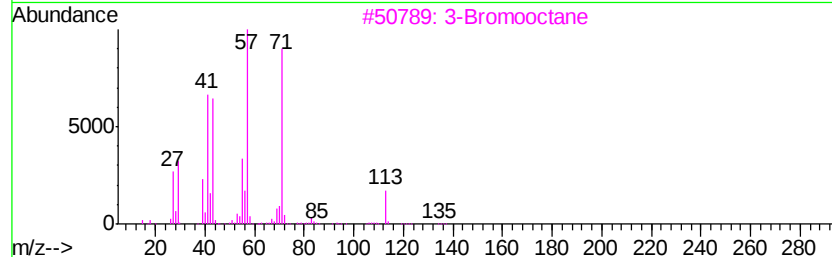
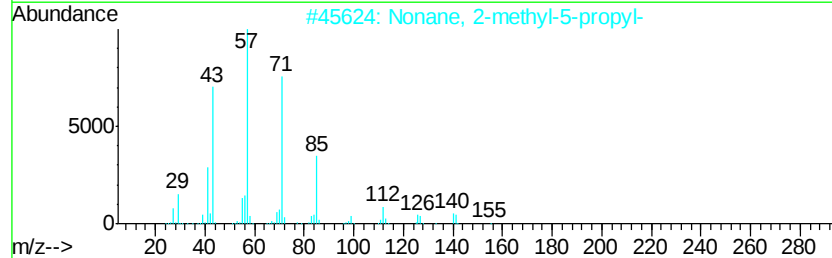
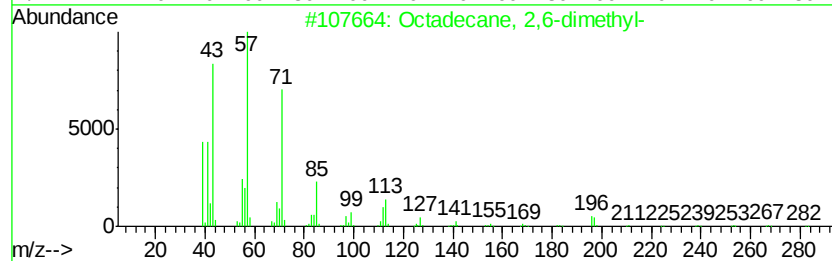
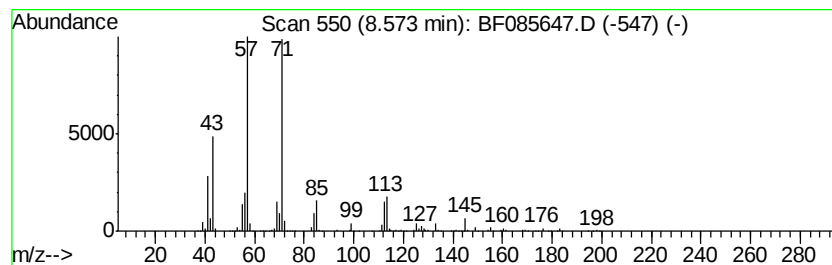
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Octadecane, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	14.55 ng	4393040	Napthalene-d8	8.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	72
2		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	59
3		3-Bromooctane	192	C8H17Br	000999-64-4	59
4		Nonane, 3-methyl-	142	C10H22	005911-04-6	50
5		Octane, 4-bromo-	192	C8H17Br	000999-06-4	47



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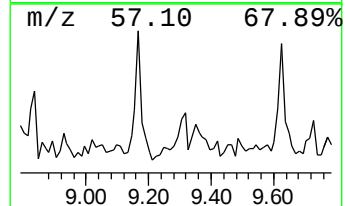
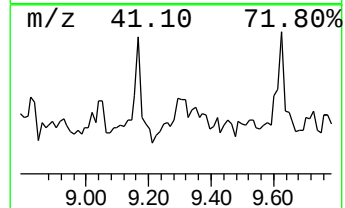
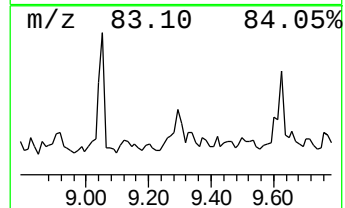
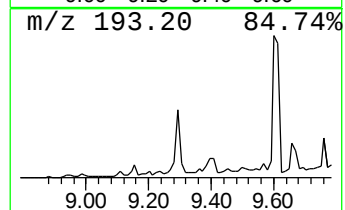
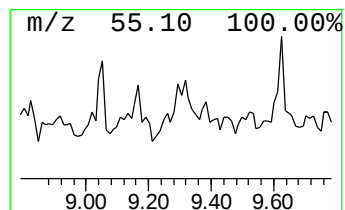
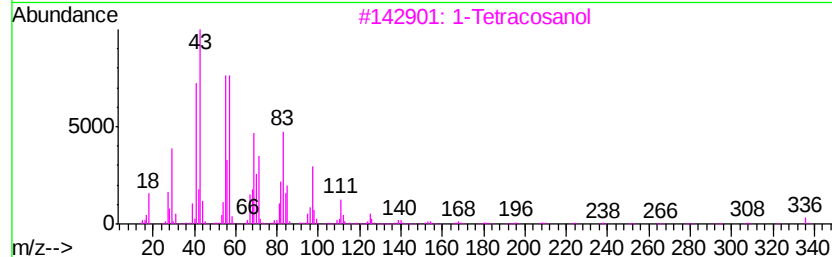
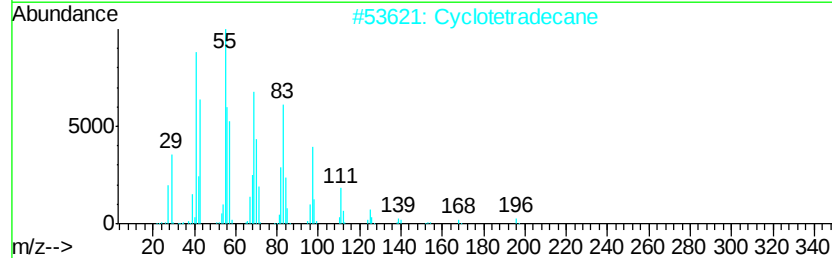
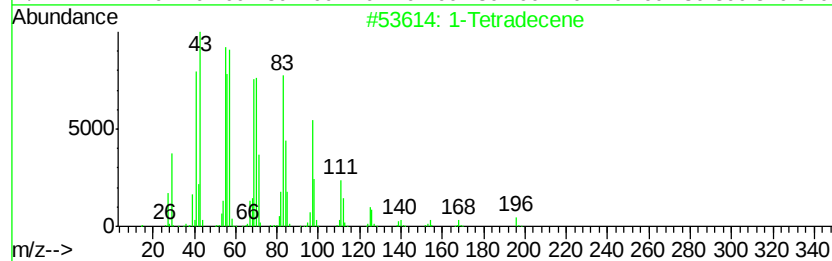
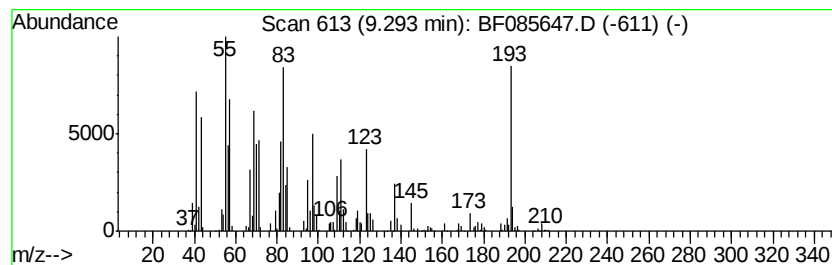
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Peak Number 4 1-Tetradecene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.29	18.81 ng	2064460	Acenaphthene-d10	9.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Tetradecene	196	C14H28	001120-36-1	56
2		Cyclotetradecane	196	C14H28	000295-17-0	47
3		1-Tetracosanol	354	C24H50O	000506-51-4	41
4		11-Tricosene	322	C23H46	052078-56-5	38
5		9-Eicosene, (E)-	280	C20H40	074685-29-3	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085647.D
Acq On : 22 Mar 2016 5:17
Operator : UM/SJ
Sample : H1840-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PJ-SB-12-20.0-22.0

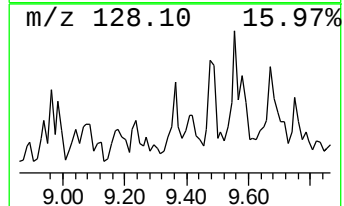
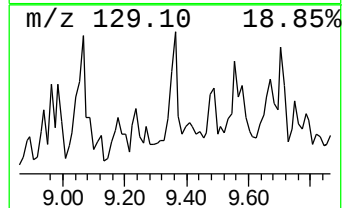
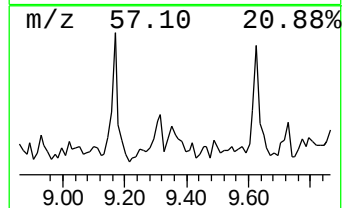
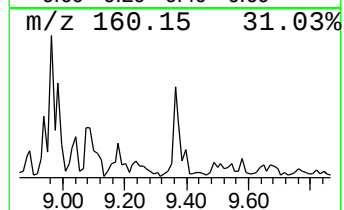
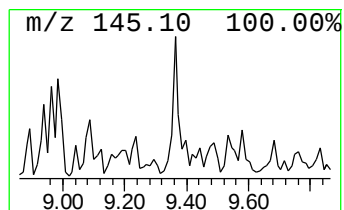
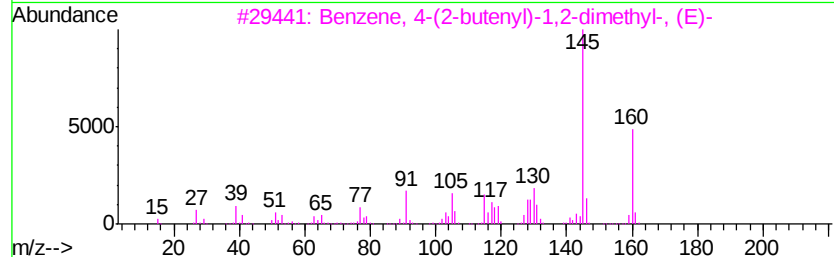
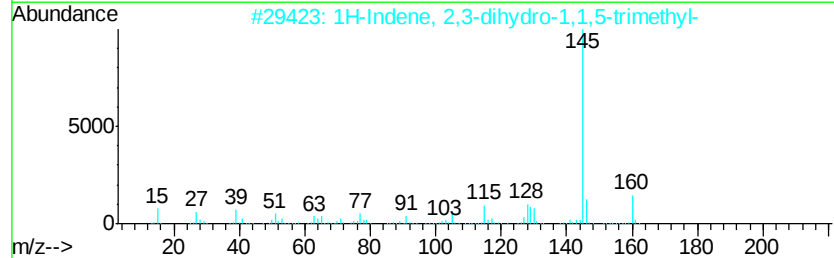
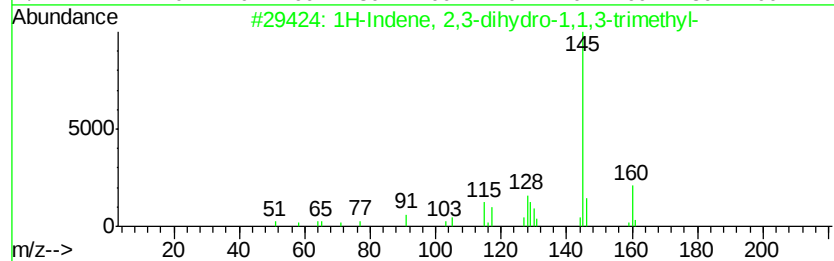
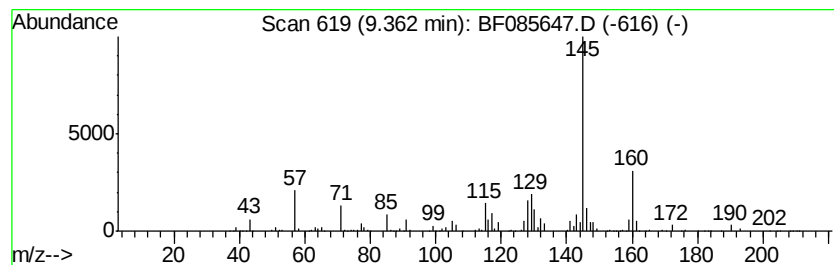
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	17.30 ng	1897900	Acenaphthene-d10	9.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	94
2		1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	91
3		Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	90
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	90
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085647.D
Acq On : 22 Mar 2016 5:17
Operator : UM/SJ
Sample : H1840-06
Misc :
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ClientSampleId :
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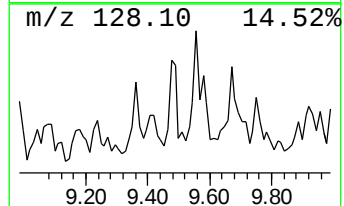
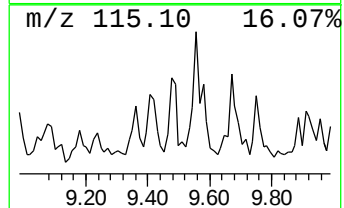
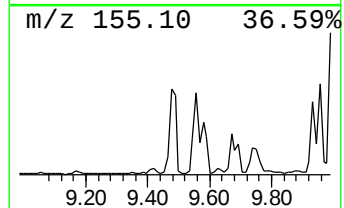
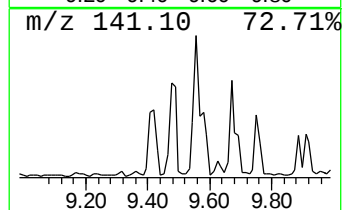
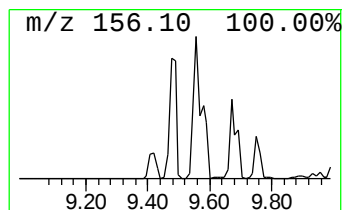
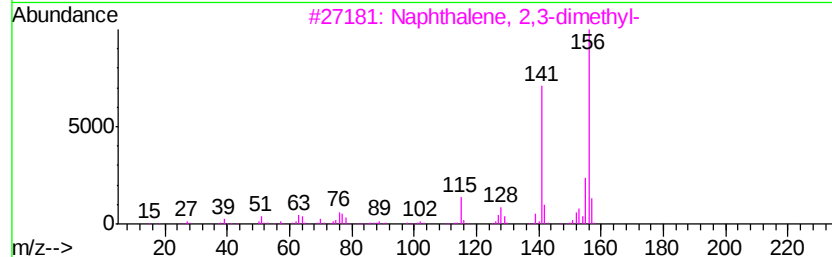
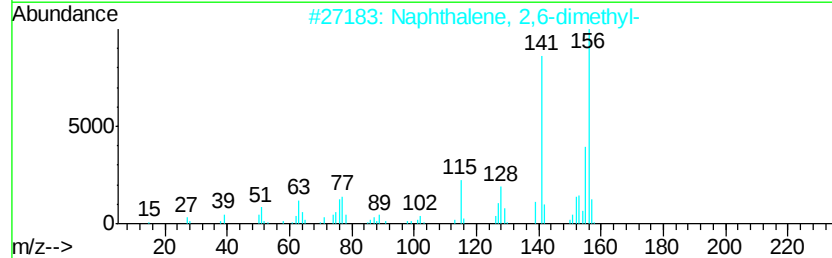
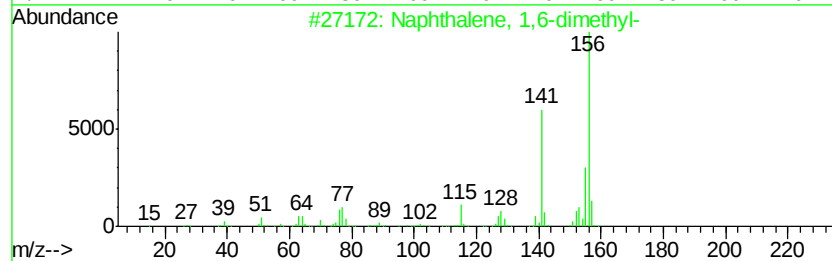
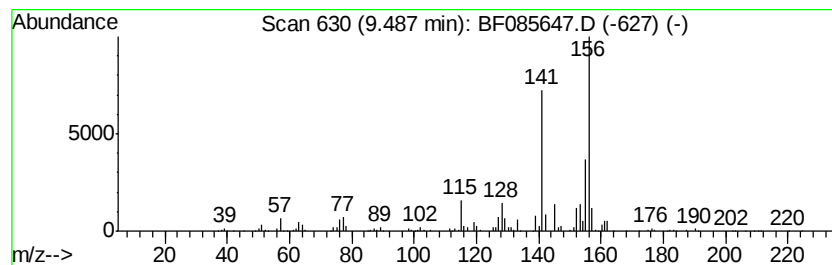
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	21.09 ng	2314110	Acenaphthene-d10	9.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085647.D
Acq On : 22 Mar 2016 5:17
Operator : UM/SJ
Sample : H1840-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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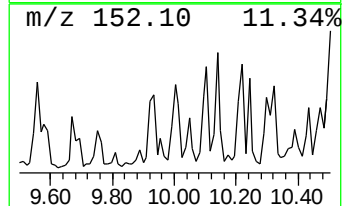
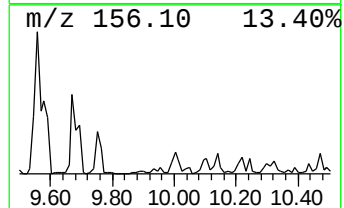
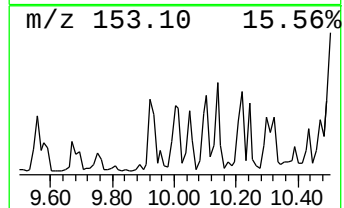
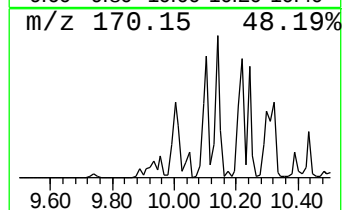
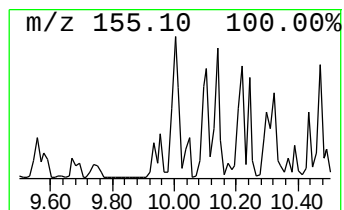
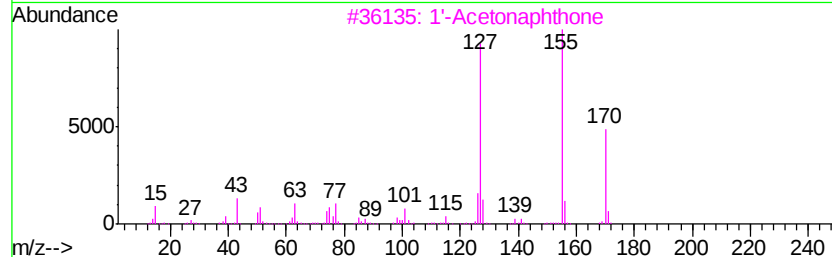
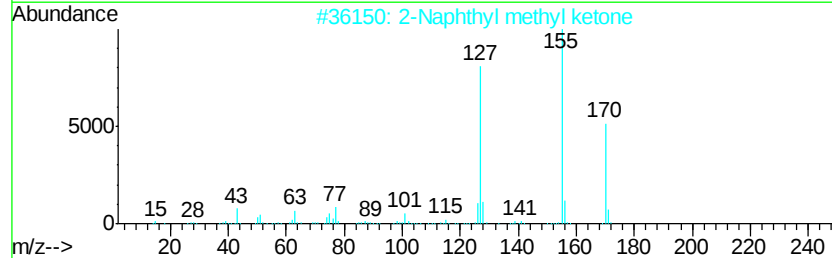
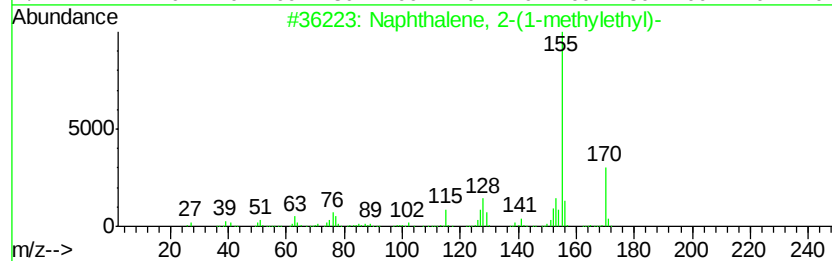
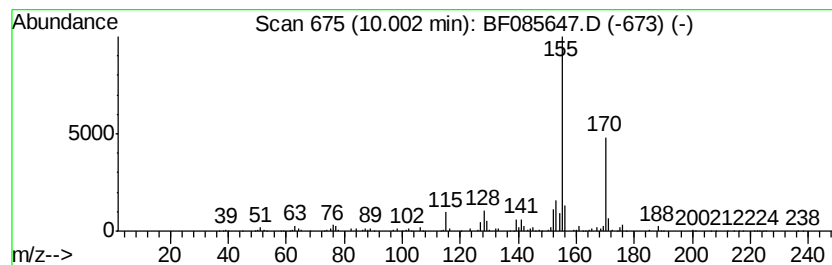
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 2-(1-methyleth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	19.74 ng	2165890	Acenaphthene-d10	9.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
2		2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	74
3		1'-Acetonaphthone	170	C12H10O	000941-98-0	72
4		Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	72
5		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085647.D
Acq On : 22 Mar 2016 5:17
Operator : UM/SJ
Sample : H1840-06
Misc :
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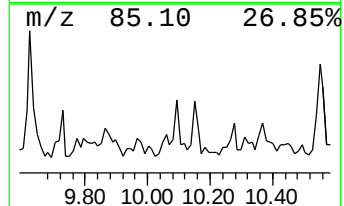
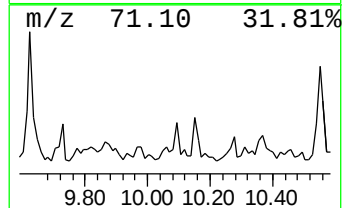
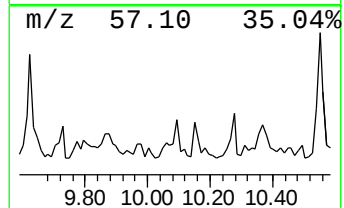
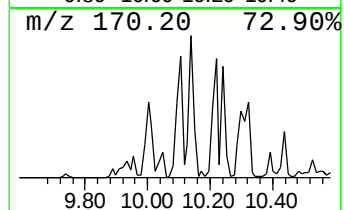
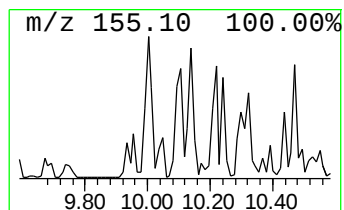
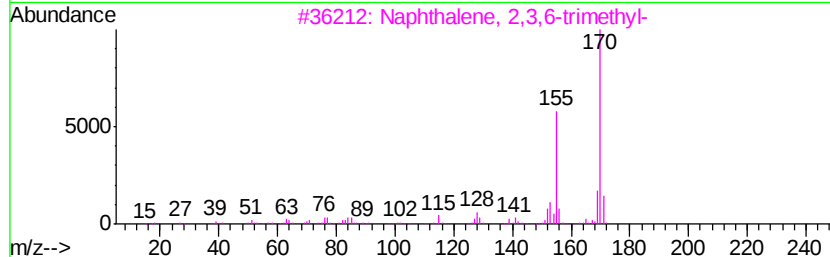
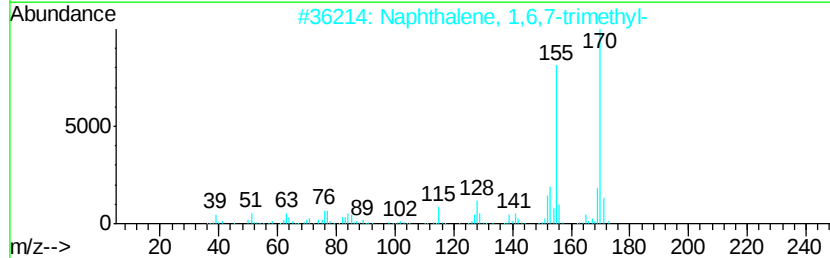
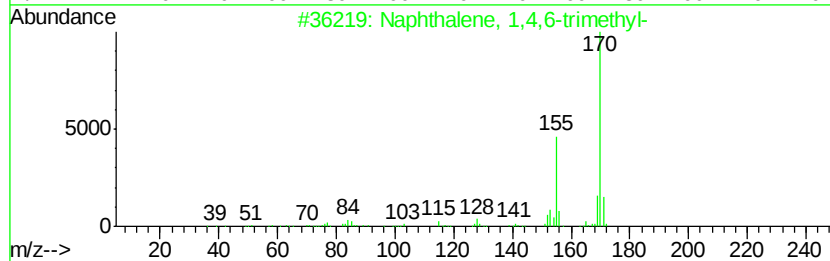
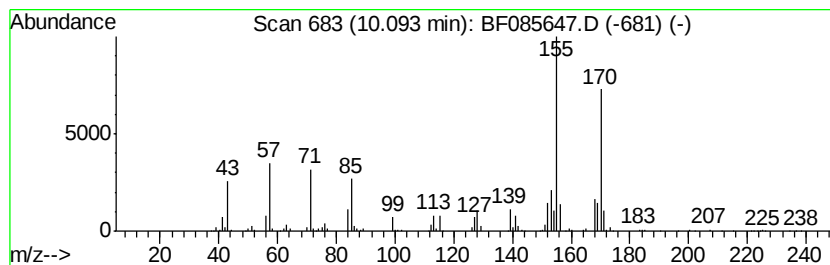
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 1,4,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.09	19.53 ng	2143120	Acenaphthene-d10	9.90	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91
4	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	81
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085647.D
Acq On : 22 Mar 2016 5:17
Operator : UM/SJ
Sample : H1840-06
Misc :
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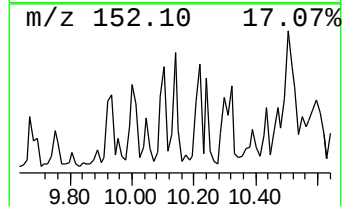
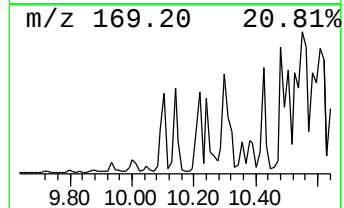
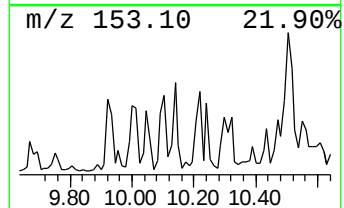
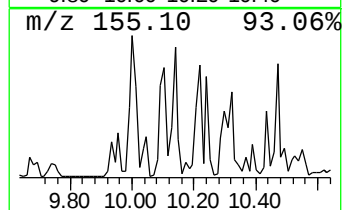
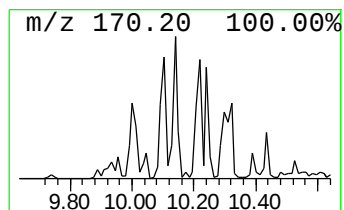
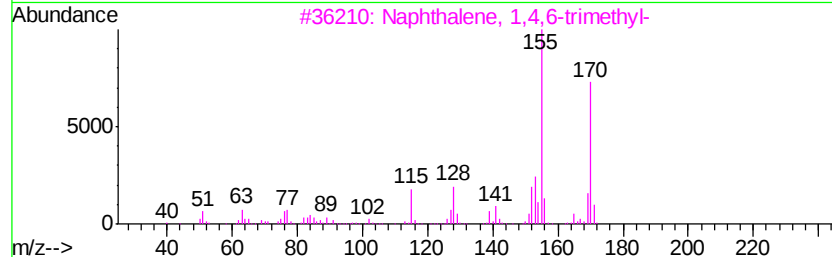
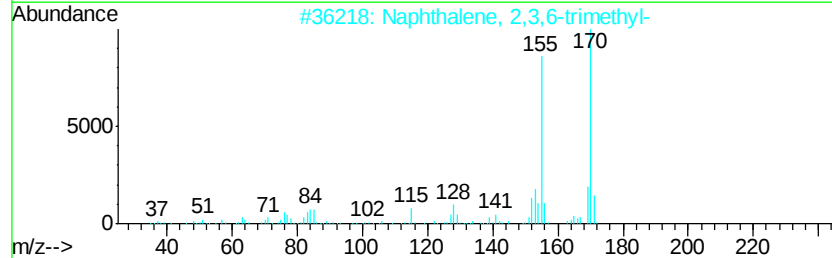
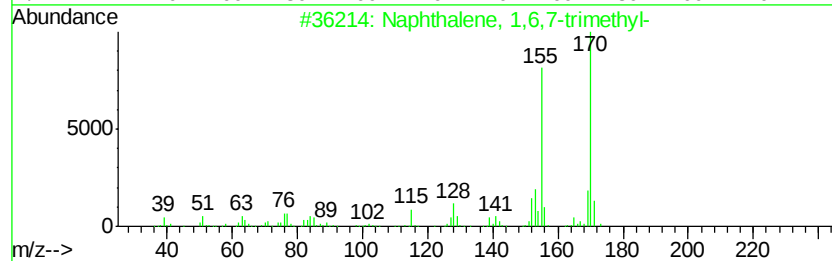
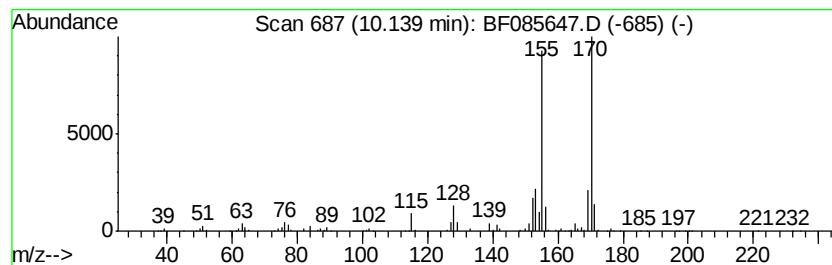
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 1,6,7-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.14	33.15 ng	3638300	Acenaphthene-d10	9.90
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,6,7-trimethyl-	170 C13H14	002245-38-7 94
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		Azulene, 4,6,8-trimethyl-	170 C13H14	000941-81-1 91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085647.D
Acq On : 22 Mar 2016 5:17
Operator : UM/SJ
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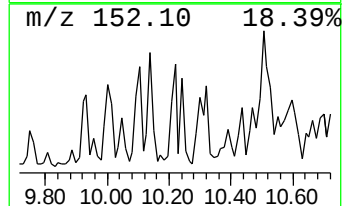
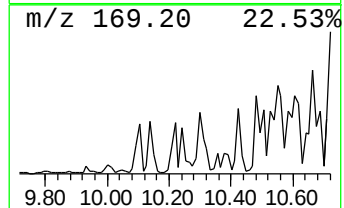
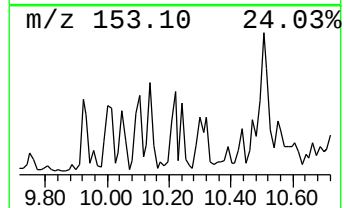
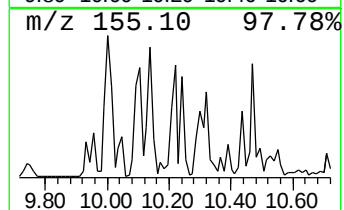
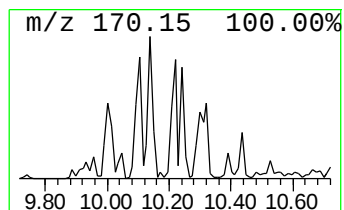
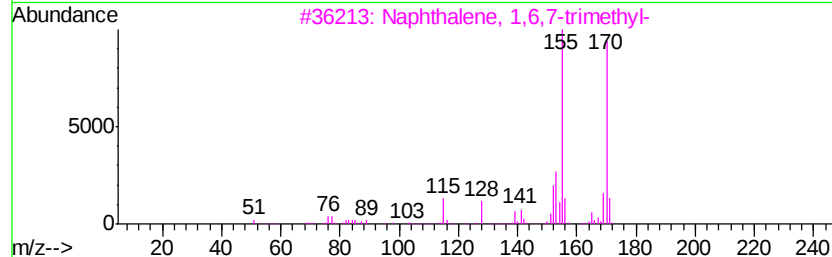
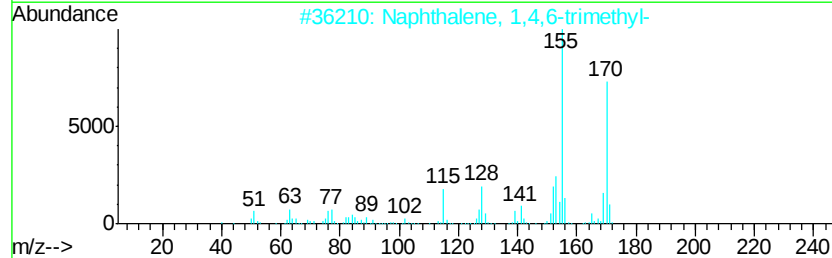
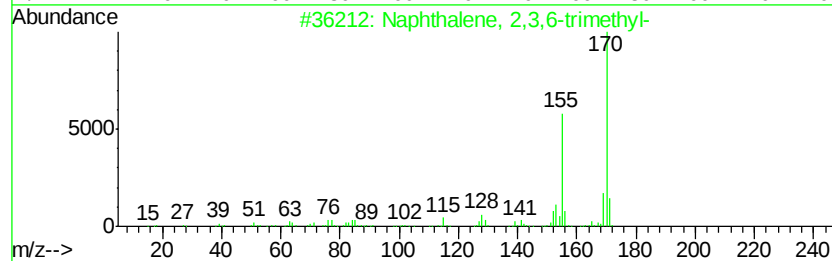
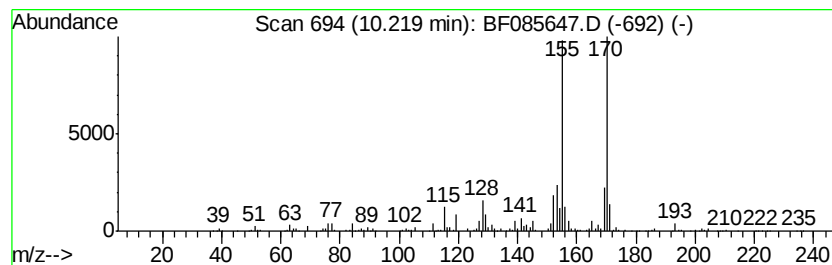
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2,3,6-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.22	19.86 ng	2179070	Acenaphthene-d10		9.90	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene,	2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene,	1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3	Naphthalene,	1,6,7-trimethyl-	170	C13H14	002245-38-7	97
4	Azulene,	4,6,8-trimethyl-	170	C13H14	000941-81-1	93
5	Naphthalene,	1,4,5-trimethyl-	170	C13H14	002131-41-1	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085647.D
Acq On : 22 Mar 2016 5:17
Operator : UM/SJ
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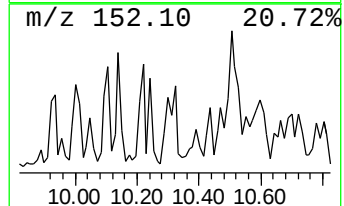
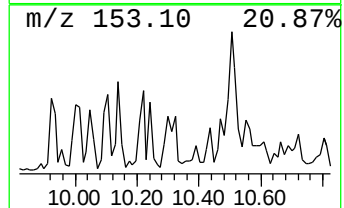
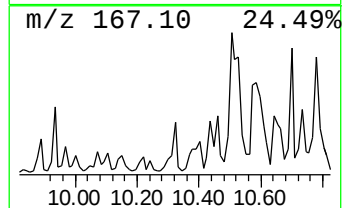
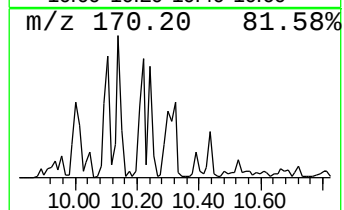
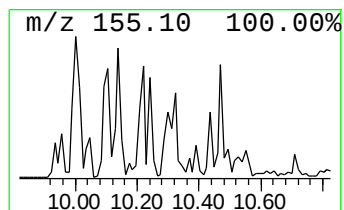
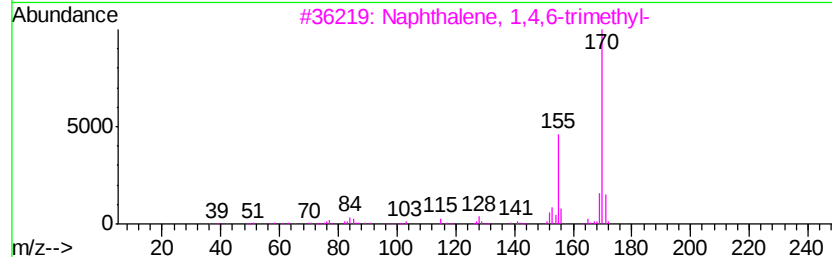
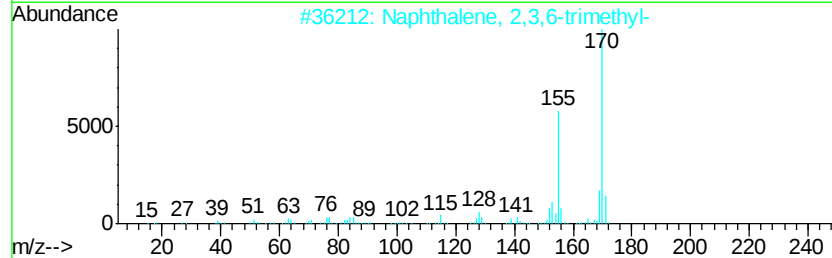
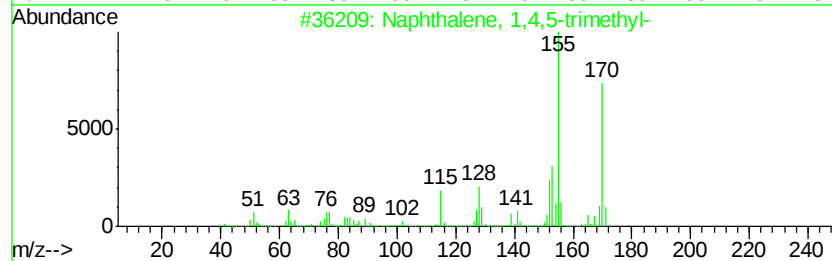
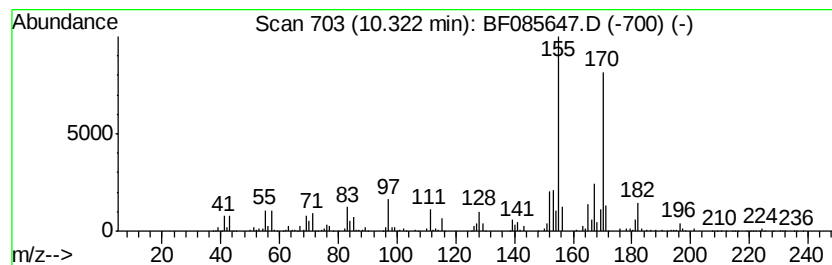
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 1,4,5-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	16.81 ng	1844270	Acenaphthene-d10	9.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
2			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	81
4			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	81
5			Naphthalene, 1-(1-methylethyl)-	170	C13H14	006158-45-8	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085647.D
Acq On : 22 Mar 2016 5:17
Operator : UM/SJ
Sample : H1840-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PJ-SB-12-20.0-22.0

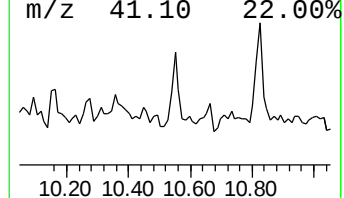
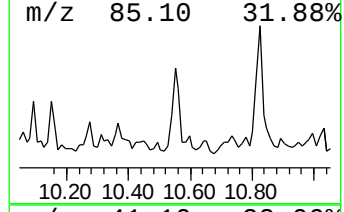
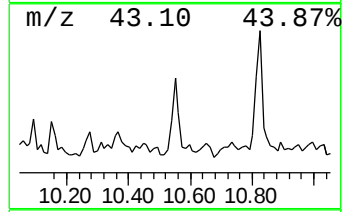
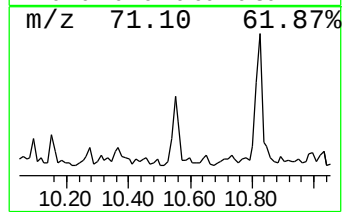
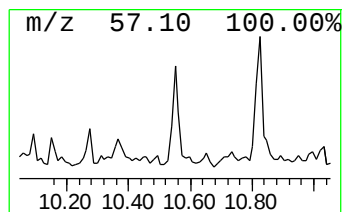
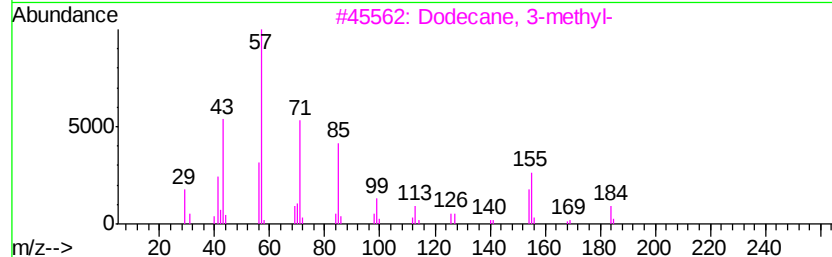
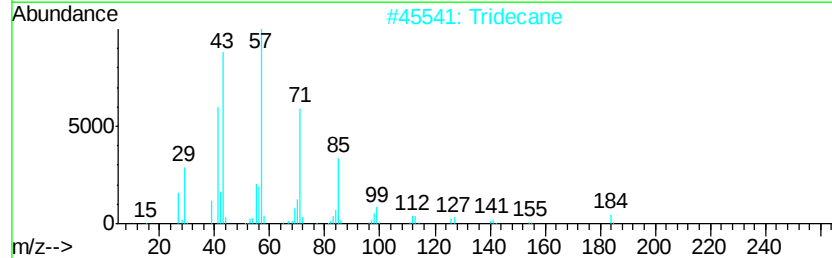
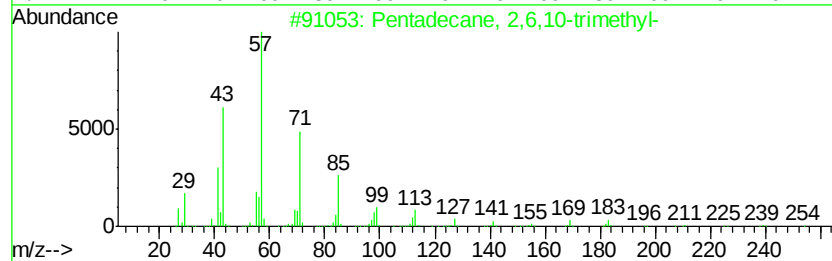
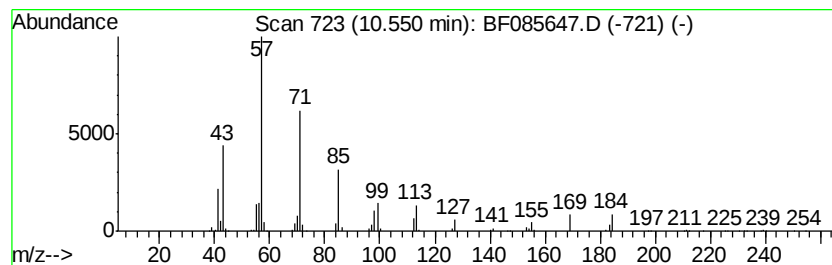
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Pentadecane, 2,6,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	24.46 ng	2684340	Acenaphthene-d10	9.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	93
2		Tridecane	184	C13H28	000629-50-5	80
3		Dodecane, 3-methyl-	184	C13H28	017312-57-1	80
4		Undecane, 5,5-dimethyl-	184	C13H28	017312-73-1	53
5		Pentadecane	212	C15H32	000629-62-9	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085647.D
Acq On : 22 Mar 2016 5:17
Operator : UM/SJ
Sample : H1840-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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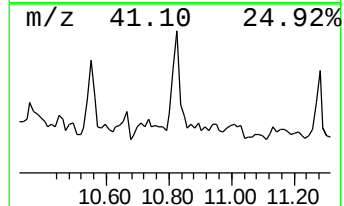
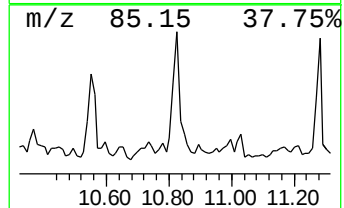
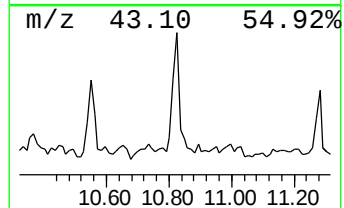
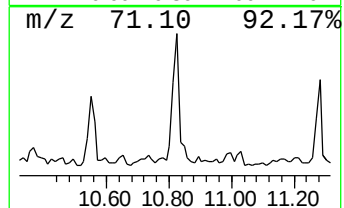
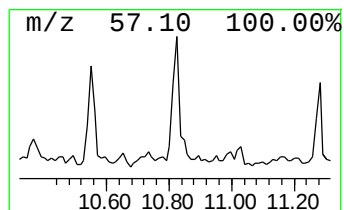
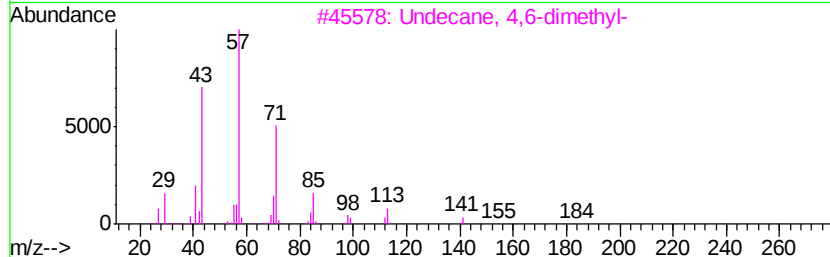
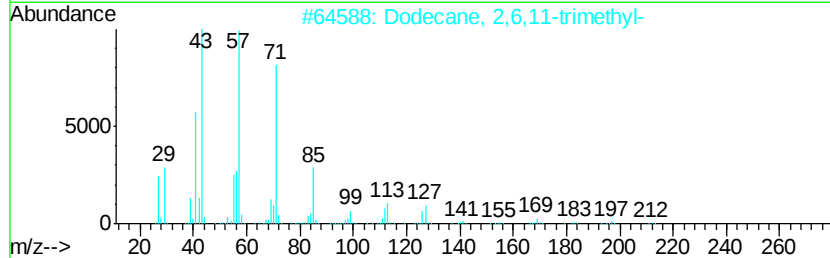
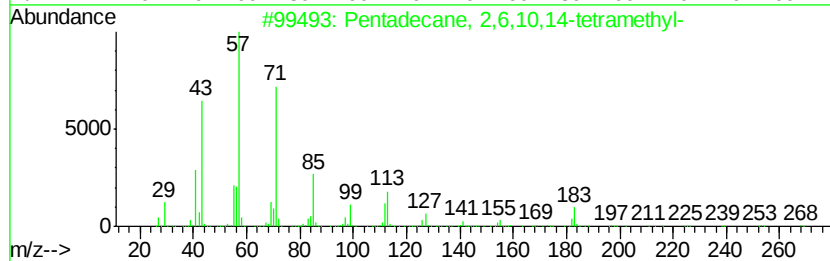
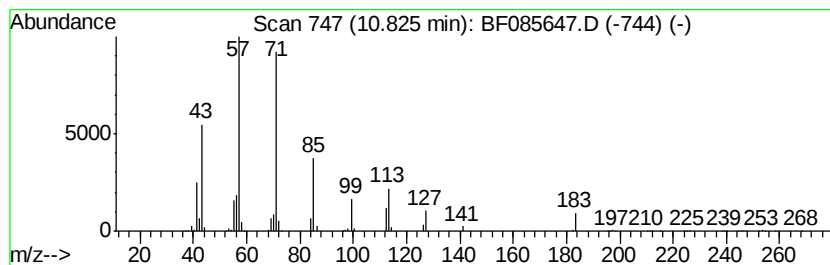
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pentadecane, 2,6,10,14-tetr... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	44.72 ng	4407180	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	90
2		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	87
3		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	72
4		Tridecane, 5-propyl-	226	C16H34	055045-11-9	64
5		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085647.D
Acq On : 22 Mar 2016 5:17
Operator : UM/SJ
Sample : H1840-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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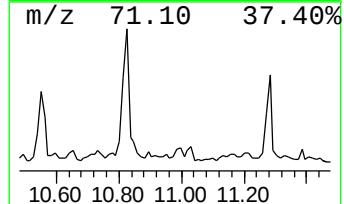
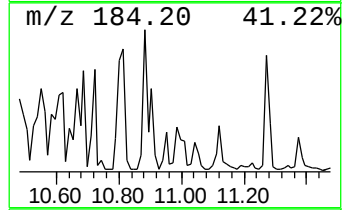
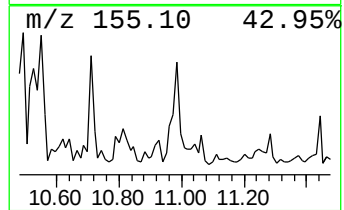
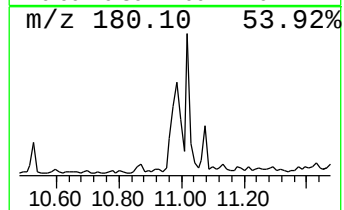
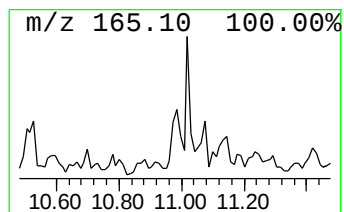
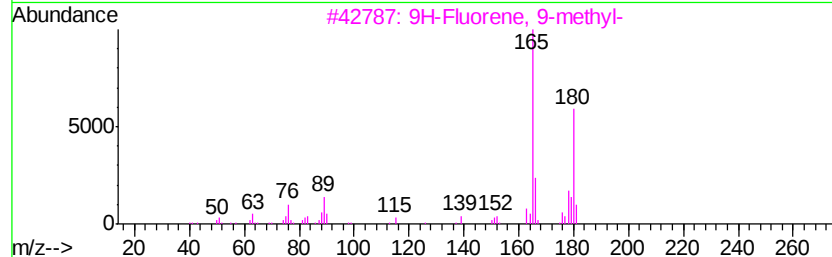
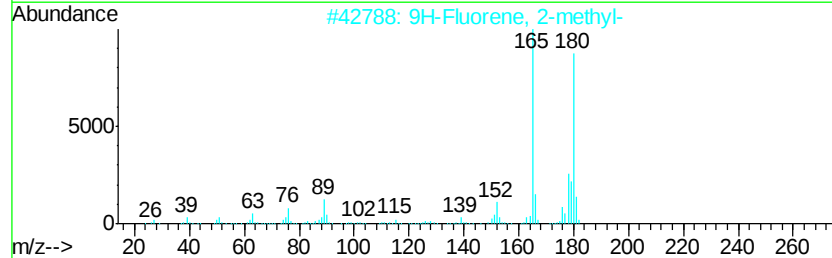
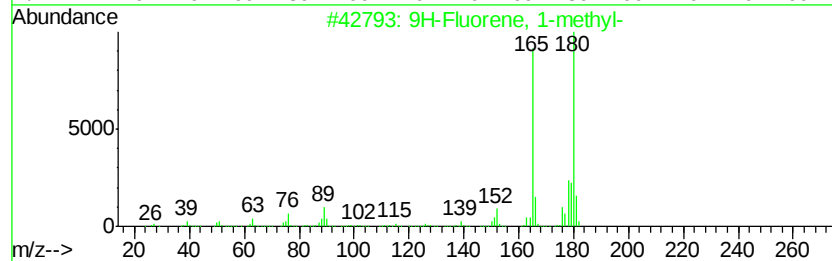
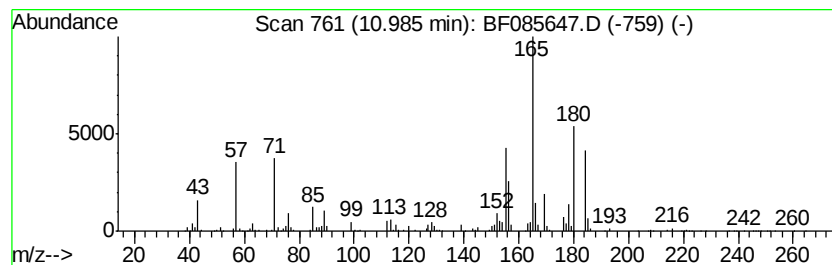
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown10.98 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	15.34 ng	1511840	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	42
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	42
3		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	38
4		tert-Butyl-4-hydroxy anisole	180	C11H16O2	1000285-06-6	35
5		5-tert-Butyl-2-methylbenzenethiol	180	C11H16S	007340-90-1	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085647.D
Acq On : 22 Mar 2016 5:17
Operator : UM/SJ
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ALS Vial : 30 Sample Multiplier: 1

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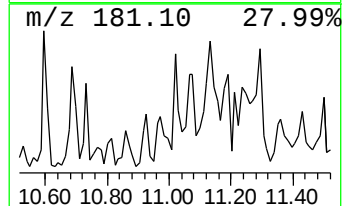
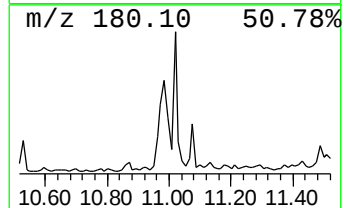
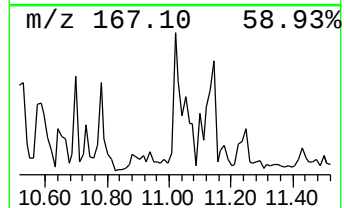
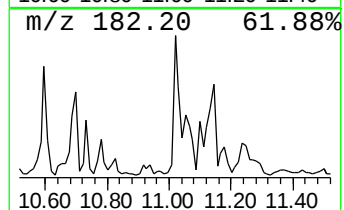
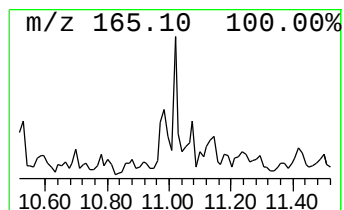
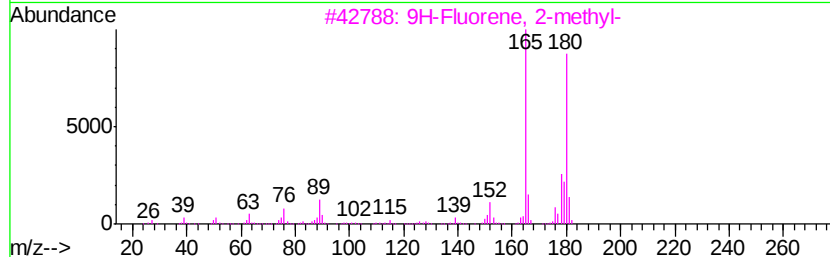
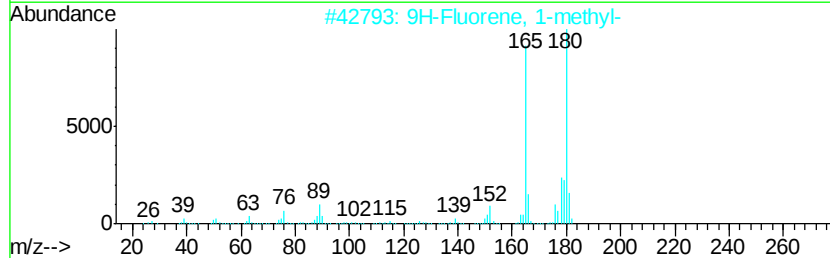
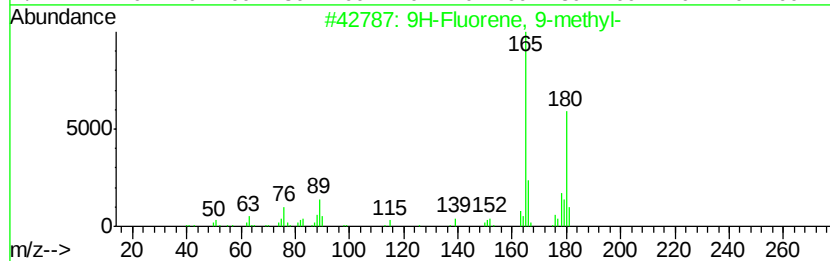
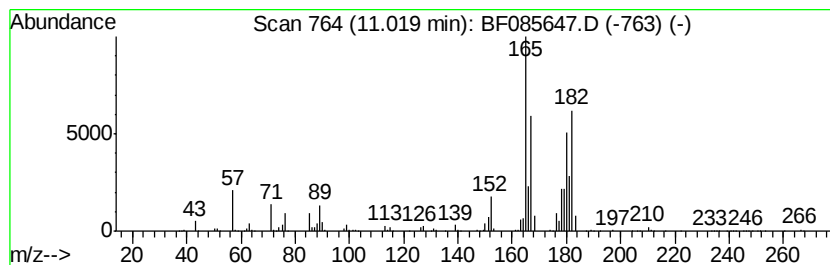
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9H-Fluorene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	22.67 ng	2234380	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	50
3		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	50
4		4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	45
5		3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	41



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085647.D
Acq On : 22 Mar 2016 5:17
Operator : UM/SJ
Sample : H1840-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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ClientSampled :
PJ-SB-12-20.0-22.0

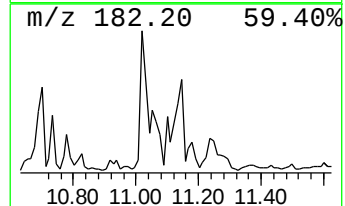
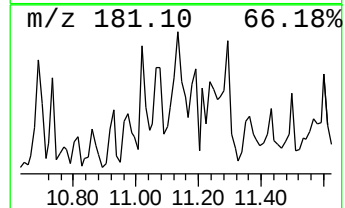
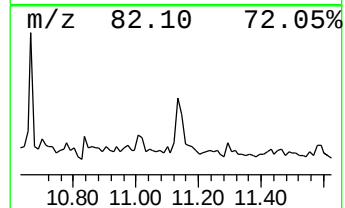
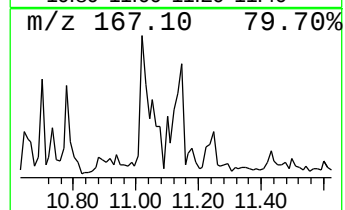
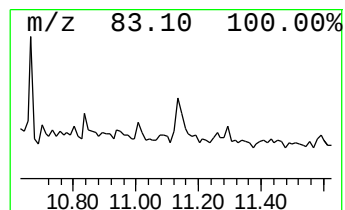
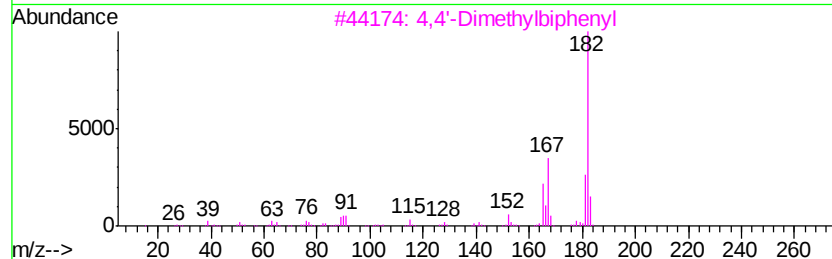
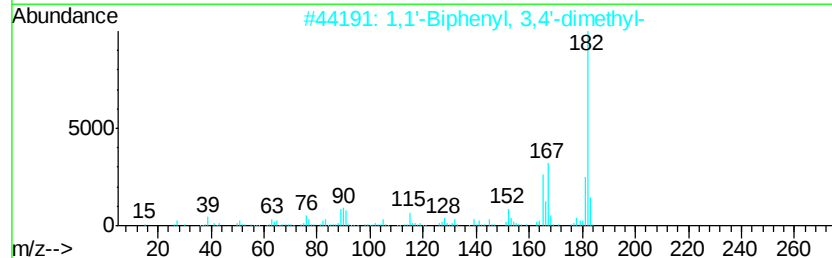
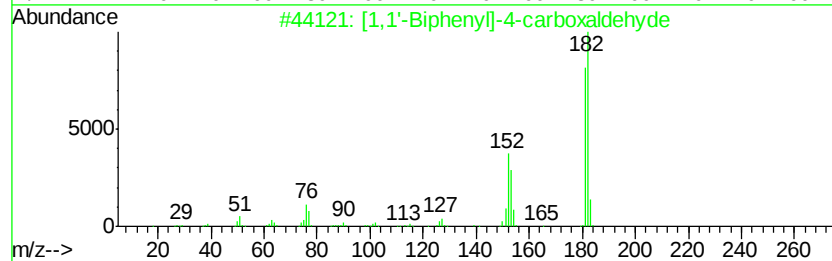
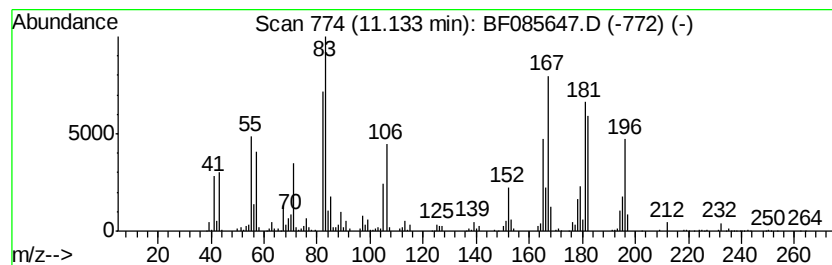
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	14.32 ng	1411700	Phenanthrene-d10	11.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	53
2			1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	46
3			4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	46
4			1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	42
5			2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085647.D
Acq On : 22 Mar 2016 5:17
Operator : UM/SJ
Sample : H1840-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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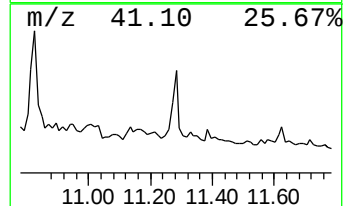
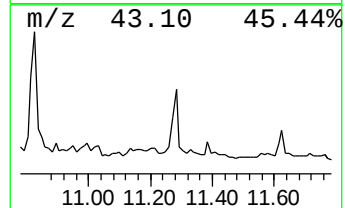
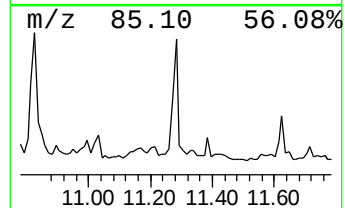
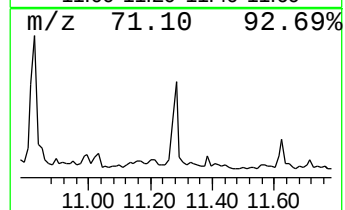
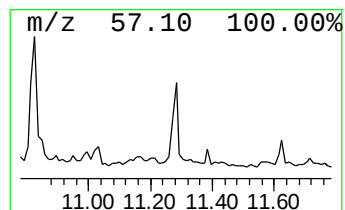
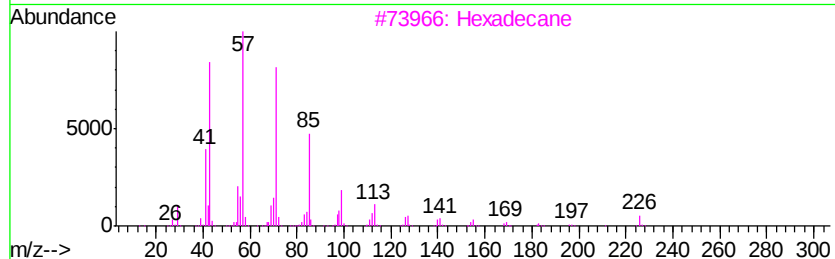
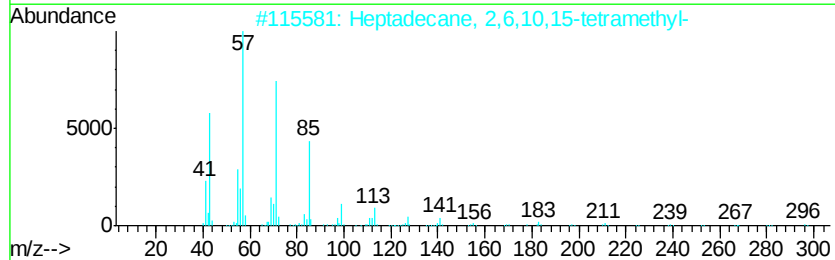
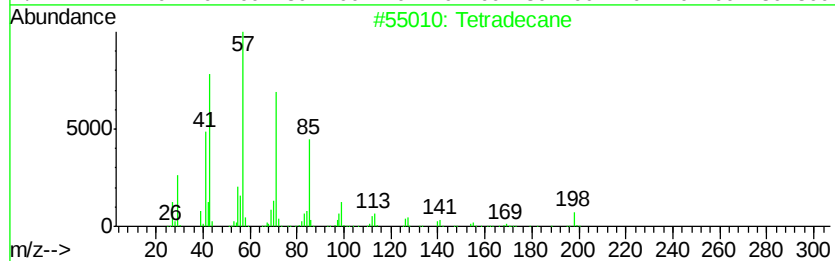
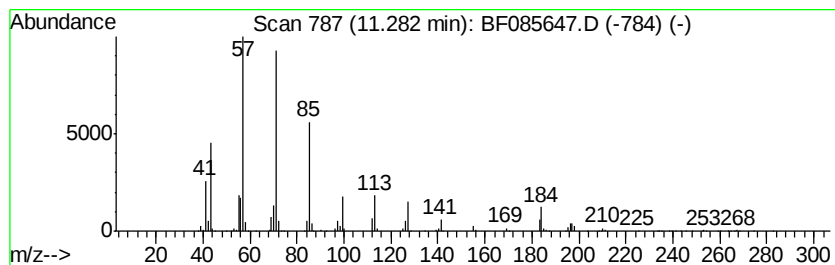
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Tetradecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	35.97 ng	3545520	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	91
2		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
3		Hexadecane	226	C16H34	000544-76-3	80
4		Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	72
5		Decane, 3-methyl-	156	C11H24	013151-34-3	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085647.D
Acq On : 22 Mar 2016 5:17
Operator : UM/SJ
Sample : H1840-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PJ-SB-12-20.0-22.0

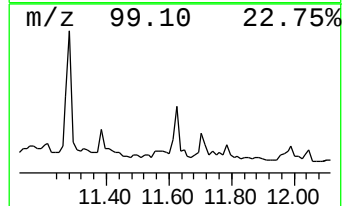
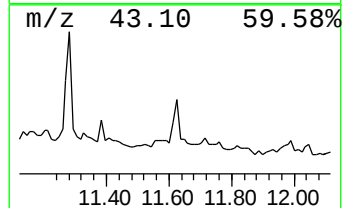
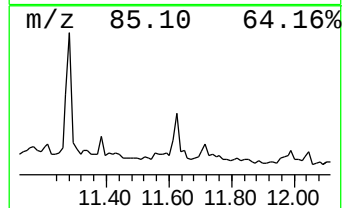
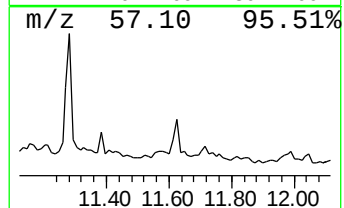
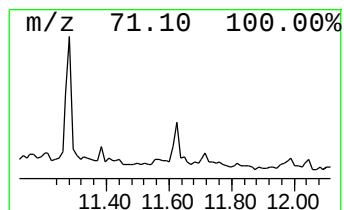
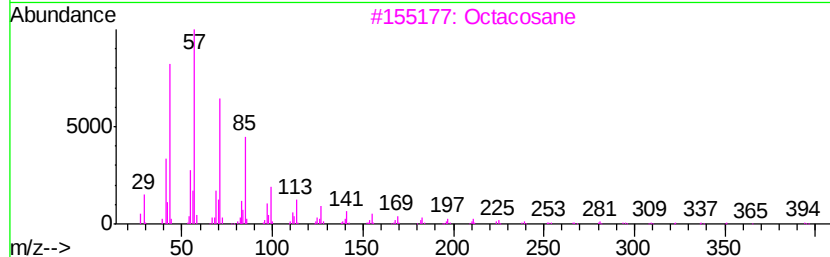
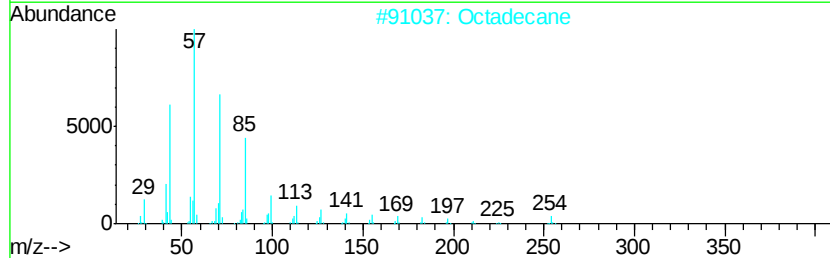
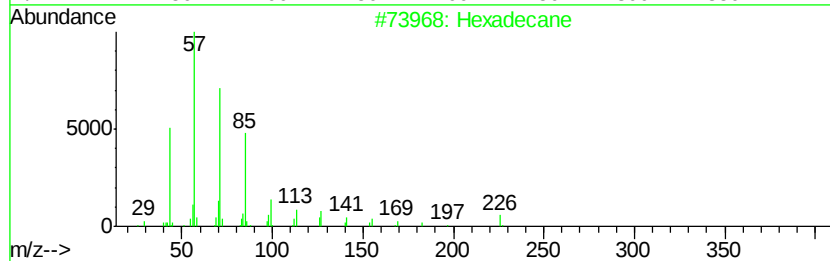
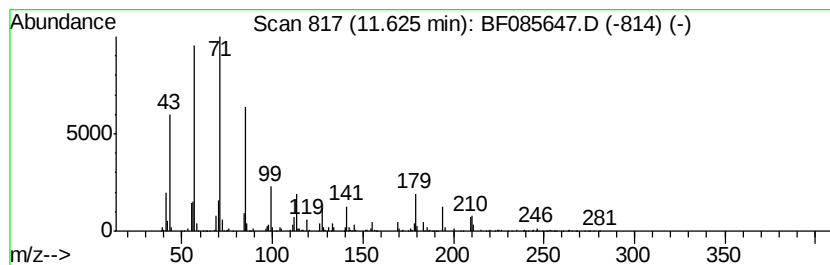
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Hexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	19.14 ng	1886420	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	72
2		Octadecane	254	C18H38	000593-45-3	72
3		Octacosane	394	C28H58	000630-02-4	72
4		Hexadecane, 7-methyl-	240	C17H36	026730-20-1	68
5		Nonane, 5-butyl-	184	C13H28	017312-63-9	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085647.D
Acq On : 22 Mar 2016 5:17
Operator : UM/SJ
Sample : H1840-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PJ-SB-12-20.0-22.0

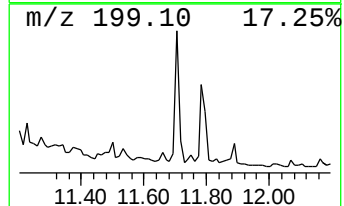
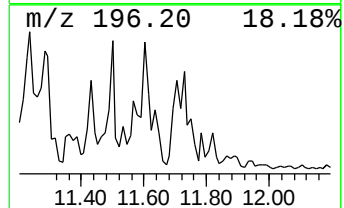
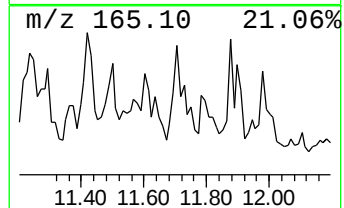
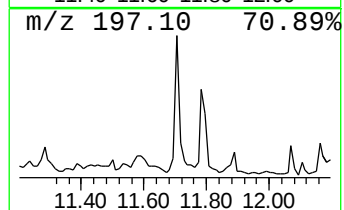
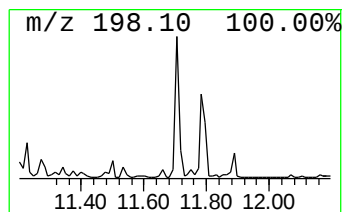
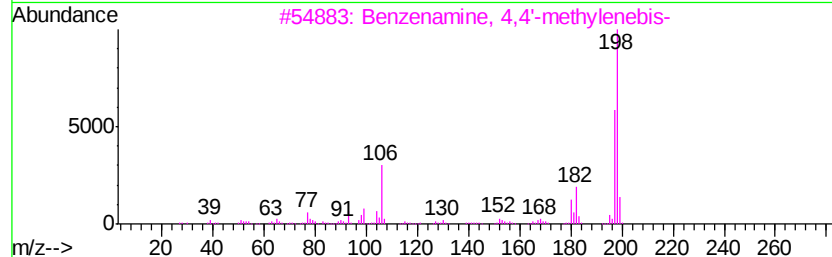
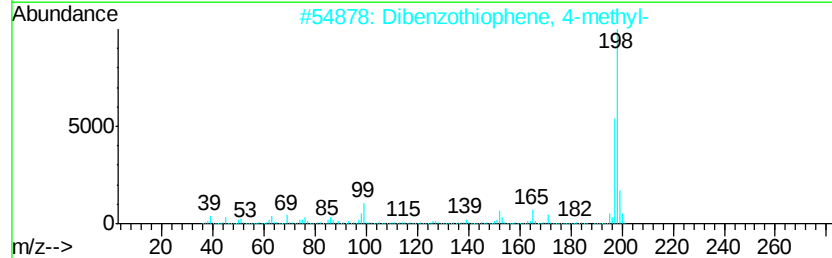
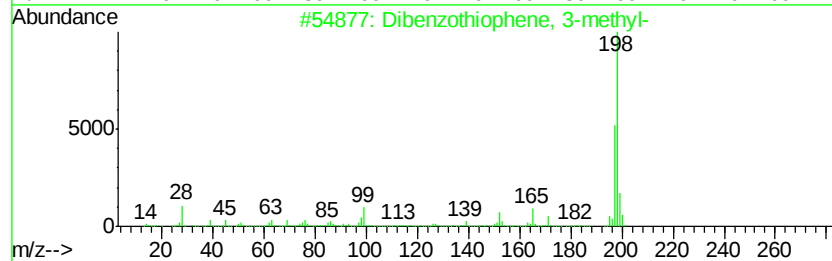
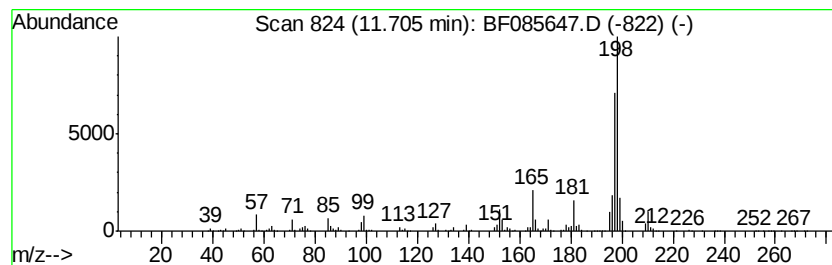
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Dibenzothiophene, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	18.06 ng	1779750	Phenanthrene-d10	11.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
2			Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	76
3			Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	62
4			Thioxanthene	198	C13H10S	000261-31-4	58
5			9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085647.D
Acq On : 22 Mar 2016 5:17
Operator : UM/SJ
Sample : H1840-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PJ-SB-12-20.0-22.0

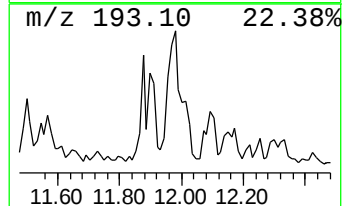
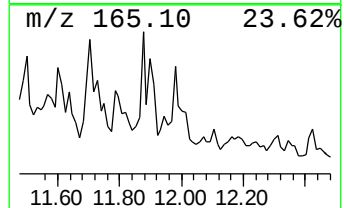
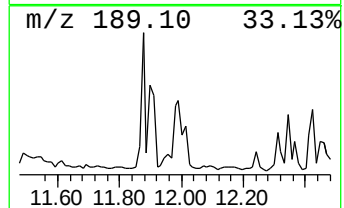
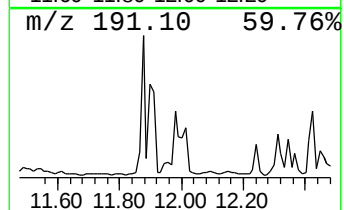
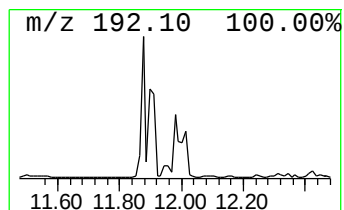
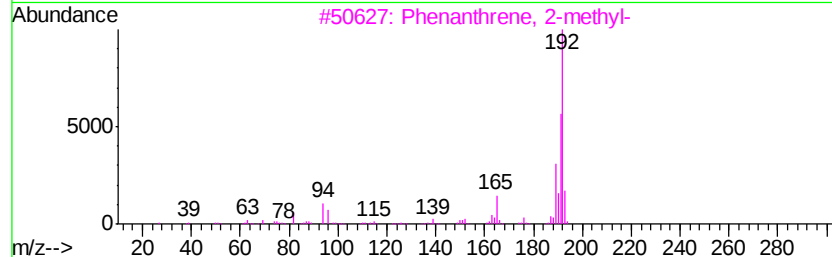
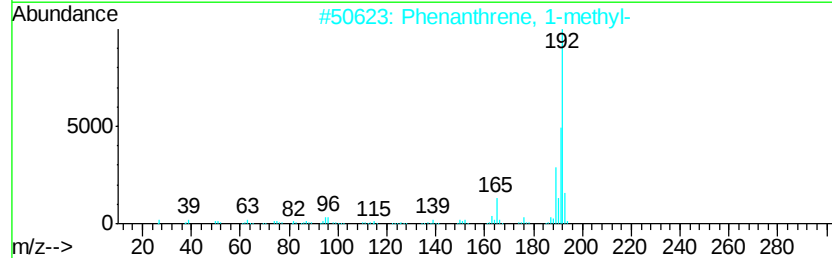
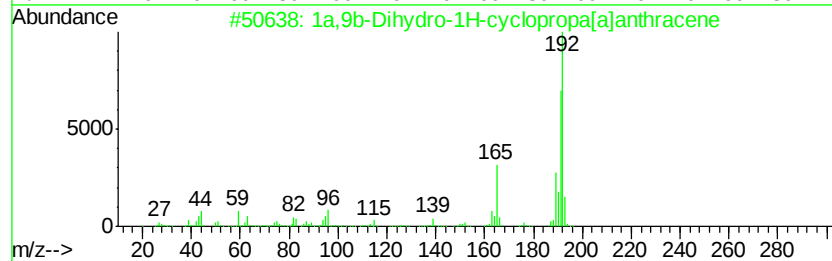
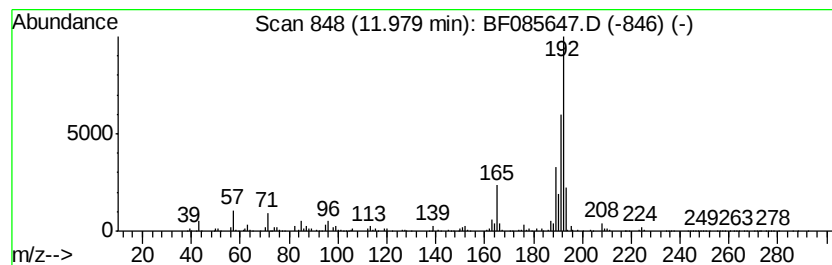
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 1a,9b-Dihydro-1H-cyclopropa... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	16.29 ng	1605600	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	93
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4		1H-Cyclopropa[l]phenanthrene, 1a,...	192	C15H12	000949-41-7	90
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
 Data File : BF085647.D
 Acq On : 22 Mar 2016 5:17
 Operator : UM/SJ
 Sample : H1840-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-12-20.0-22.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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
unknown6.61	6.61	41.2	ng	4049110	1	6.85	1966910	20.0
Octadecane, 2,6-d...	8.57	14.6	ng	4393040	2	8.13	6038850	20.0
1-Tetradecene	9.29	18.8	ng	2064460	3	9.90	2194730	20.0
1H-Indene, 2,3-di...	9.36	17.3	ng	1897900	3	9.90	2194730	20.0
Naphthalene, 1,6-...	9.49	21.1	ng	2314110	3	9.90	2194730	20.0
Naphthalene, 2-(1...	10.00	19.7	ng	2165890	3	9.90	2194730	20.0
Naphthalene, 1,4,...	10.09	19.5	ng	2143120	3	9.90	2194730	20.0
Naphthalene, 1,6,...	10.14	33.1	ng	3638300	3	9.90	2194730	20.0
Naphthalene, 2,3,...	10.22	19.9	ng	2179070	3	9.90	2194730	20.0
Naphthalene, 1,4,...	10.32	16.8	ng	1844270	3	9.90	2194730	20.0
Pentadecane, 2,6,...	10.55	24.5	ng	2684340	3	9.90	2194730	20.0
Pentadecane, 2,6,...	10.82	44.7	ng	4407180	4	11.37	1971120	20.0
unknown10.98	10.98	15.3	ng	1511840	4	11.37	1971120	20.0
9H-Fluorene, 9-me...	11.02	22.7	ng	2234380	4	11.37	1971120	20.0
[1,1'-Biphenyl]-4...	11.13	14.3	ng	1411700	4	11.37	1971120	20.0
Tetradecane	11.28	36.0	ng	3545520	4	11.37	1971120	20.0
Hexadecane	11.62	19.1	ng	1886420	4	11.37	1971120	20.0
Dibenzothiophene,...	11.70	18.1	ng	1779750	4	11.37	1971120	20.0
1a,9b-Dihydro-1H-...	11.98	16.3	ng	1605600	4	11.37	1971120	20.0