

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070316\
 Data File : BF088696.D
 Acq On : 4 Jul 2016 15:30
 Operator : UM/SJ
 Sample : H3784-10
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D11-B1(6-12)C

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-BF063016.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	4.947	292	294	297	rBV	147541	201775	8.41%	0.350%
2	5.039	300	302	304	rVB	188536	182870	7.62%	0.317%
3	5.382	329	332	334	rVB	2009688	1991853	83.05%	3.454%
4	6.033	387	389	392	rVB2	249970	272937	11.38%	0.473%
5	6.227	403	406	409	rBV2	75227	169766	7.08%	0.294%
6	6.319	413	414	418	rVB2	181600	207044	8.63%	0.359%
7	6.422	421	423	425	rVB	1830422	1825206	76.10%	3.165%
8	6.559	432	435	437	rVB	1805906	2241583	93.46%	3.887%
9	6.787	453	455	459	rVB2	764567	981438	40.92%	1.702%
10	6.947	467	469	470	rBV	1795516	1830736	76.33%	3.175%
11	7.039	473	477	478	rBV2	77636	153746	6.41%	0.267%
12	7.062	478	479	482	rVB2	128316	175728	7.33%	0.305%
13	7.348	499	504	510	rVB2	1228852	1791983	74.72%	3.108%
14	7.439	510	512	514	rBV2	143933	199142	8.30%	0.345%
15	7.508	514	518	520	rBV4	70209	177818	7.41%	0.308%
16	7.599	524	526	528	rVB2	126083	154027	6.42%	0.267%
17	7.713	528	536	538	rBV5	159159	471510	19.66%	0.818%
18	7.759	538	540	542	rVB2	100744	202607	8.45%	0.351%
19	7.816	542	545	546	rBV	381208	478155	19.94%	0.829%
20	7.896	550	552	555	rVB4	101190	222435	9.27%	0.386%
21	8.033	561	564	565	rBV2	107381	197542	8.24%	0.343%
22	8.068	565	567	571	rBV	823850	1149019	47.91%	1.993%
23	8.125	571	572	573	rVB	239263	164134	6.84%	0.285%
24	8.148	573	574	575	rBV	322239	226350	9.44%	0.393%
25	8.250	580	583	584	rBV3	132970	239228	9.97%	0.415%
26	8.285	584	586	587	rVB2	195752	156999	6.55%	0.272%
27	8.376	589	594	597	rBV5	182640	516801	21.55%	0.896%
28	8.456	600	601	603	rVB	223379	266976	11.13%	0.463%
29	8.513	603	606	607	rBV2	255637	440832	18.38%	0.765%
30	8.582	610	612	614	rBV2	169746	219731	9.16%	0.381%
31	8.628	614	616	618	rVB2	134819	243737	10.16%	0.423%
32	8.788	627	630	632	rVB	2444921	2398359	100.00%	4.159%
33	8.833	632	634	635	rBV2	104906	159635	6.66%	0.277%
34	8.890	636	639	640	rBV	1654642	1886038	78.64%	3.271%

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Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

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 Max Peaks: 100
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 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.982	643	647	649	rBV5	159730	400744	16.71%	0.695%
36	9.108	656	658	659	rBV	367791	317178	13.22%	0.550%
37	9.153	659	662	664	rVB	2383024	2385988	99.48%	4.138%
38	9.233	667	669	671	rBV2	167069	229047	9.55%	0.397%
39	9.291	672	674	676	rVV2	146209	202486	8.44%	0.351%
40	9.348	676	679	682	rVB	700450	962599	40.14%	1.669%
41	9.416	682	685	687	rBV	1258462	1759630	73.37%	3.052%
42	9.485	689	691	692	rVV	1589317	1668209	69.56%	2.893%
43	9.542	695	696	699	rVV2	347904	498554	20.79%	0.865%
44	9.599	699	701	704	rVB	752134	931794	38.85%	1.616%
45	9.679	706	708	712	rVB2	342425	517460	21.58%	0.897%
46	9.736	712	713	715	rVB	223137	182023	7.59%	0.316%
47	9.828	718	721	722	rBV2	612001	1110966	46.32%	1.927%
48	9.851	722	723	728	rVB3	735620	1060567	44.22%	1.839%
49	9.931	728	730	732	rBV	656912	867016	36.15%	1.504%
50	9.976	732	734	735	rBV2	172950	216911	9.04%	0.376%
51	10.022	736	738	740	rVB2	862909	1036124	43.20%	1.797%
52	10.068	740	742	743	rBV	597030	538066	22.43%	0.933%
53	10.091	743	744	746	rVB2	200763	218172	9.10%	0.378%
54	10.136	746	748	750	rBV	341819	515475	21.49%	0.894%
55	10.171	750	751	752	rVB	485022	332725	13.87%	0.577%
56	10.228	754	756	759	rVB2	391028	719559	30.00%	1.248%
57	10.319	762	764	766	rVB2	239964	257926	10.75%	0.447%
58	10.365	766	768	769	rBV2	507995	453913	18.93%	0.787%
59	10.388	769	770	772	rVV2	174713	295742	12.33%	0.513%
60	10.434	772	774	777	rVV2	258949	423370	17.65%	0.734%
61	10.479	777	778	780	rVV	358583	515977	21.51%	0.895%
62	10.525	780	782	785	rVB3	240288	457394	19.07%	0.793%
63	10.605	785	789	791	rBV3	996892	1376011	57.37%	2.386%
64	10.651	791	793	796	rVB3	159803	298665	12.45%	0.518%
65	10.708	796	798	799	rBV2	105283	172877	7.21%	0.300%
66	10.754	799	802	804	rVB2	488177	690566	28.79%	1.198%
67	10.811	805	807	808	rBV	216298	193619	8.07%	0.336%
68	10.914	813	816	817	rBV2	186518	284388	11.86%	0.493%
69	10.948	817	819	825	rVB5	296003	948763	39.56%	1.645%
70	11.028	825	826	827	rBV	142306	172075	7.17%	0.298%
71	11.062	827	829	832	rVB3	163059	251202	10.47%	0.436%

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Integration Parameters: rteint.p
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 Sampling : 1 Min Area: 3 % of largest Peak
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72	11.154	835	837	840	rBV4	108520	189648	7.91%	0.329%
73	11.211	840	842	846	rVB2	505621	700451	29.21%	1.215%
74	11.302	848	850	851	rBV	594512	546525	22.79%	0.948%
75	11.416	858	860	863	rBV3	178466	510543	21.29%	0.885%
76	11.634	876	879	880	rBV2	276196	314631	13.12%	0.546%
77	11.714	884	886	888	rBV	196892	250796	10.46%	0.435%
78	11.805	892	894	895	rVV	472535	545859	22.76%	0.947%
79	11.874	899	900	901	rBV	162642	170110	7.09%	0.295%
80	11.908	901	903	908	rVB3	405836	923529	38.51%	1.602%
81	12.034	912	914	916	rVB	203759	182248	7.60%	0.316%
82	12.171	925	926	927	rBV	142357	153311	6.39%	0.266%
83	12.228	930	931	934	rVV2	178245	362935	15.13%	0.629%
84	12.354	939	942	943	rBV	599543	706493	29.46%	1.225%
85	12.388	943	945	948	rVB2	280580	525376	21.91%	0.911%
86	12.434	948	949	951	rBV	180191	248414	10.36%	0.431%
87	12.479	951	953	954	rVB2	122206	162312	6.77%	0.281%
88	12.514	954	956	957	rBV	175893	237363	9.90%	0.412%
89	12.731	973	975	977	rBV	294545	405939	16.93%	0.704%
90	12.799	979	981	983	rVB	293589	257842	10.75%	0.447%
91	12.891	987	989	991	rBV	1343743	1614357	67.31%	2.800%
92	13.165	1011	1013	1019	rBV3	259153	466093	19.43%	0.808%
93	13.257	1019	1021	1023	rBV	242228	245419	10.23%	0.426%
94	13.291	1023	1024	1025	rVB	235783	161629	6.74%	0.280%
95	13.325	1025	1027	1029	rBV	134872	177956	7.42%	0.309%
96	13.668	1055	1057	1062	rVB4	149328	280119	11.68%	0.486%
97	13.931	1077	1080	1081	rBV	536207	560497	23.37%	0.972%
98	15.325	1200	1202	1204	rVB	270621	332823	13.88%	0.577%
99	15.988	1258	1260	1266	rVB2	177196	388146	16.18%	0.673%
100	16.388	1292	1295	1302	rVB	171528	379360	15.82%	0.658%

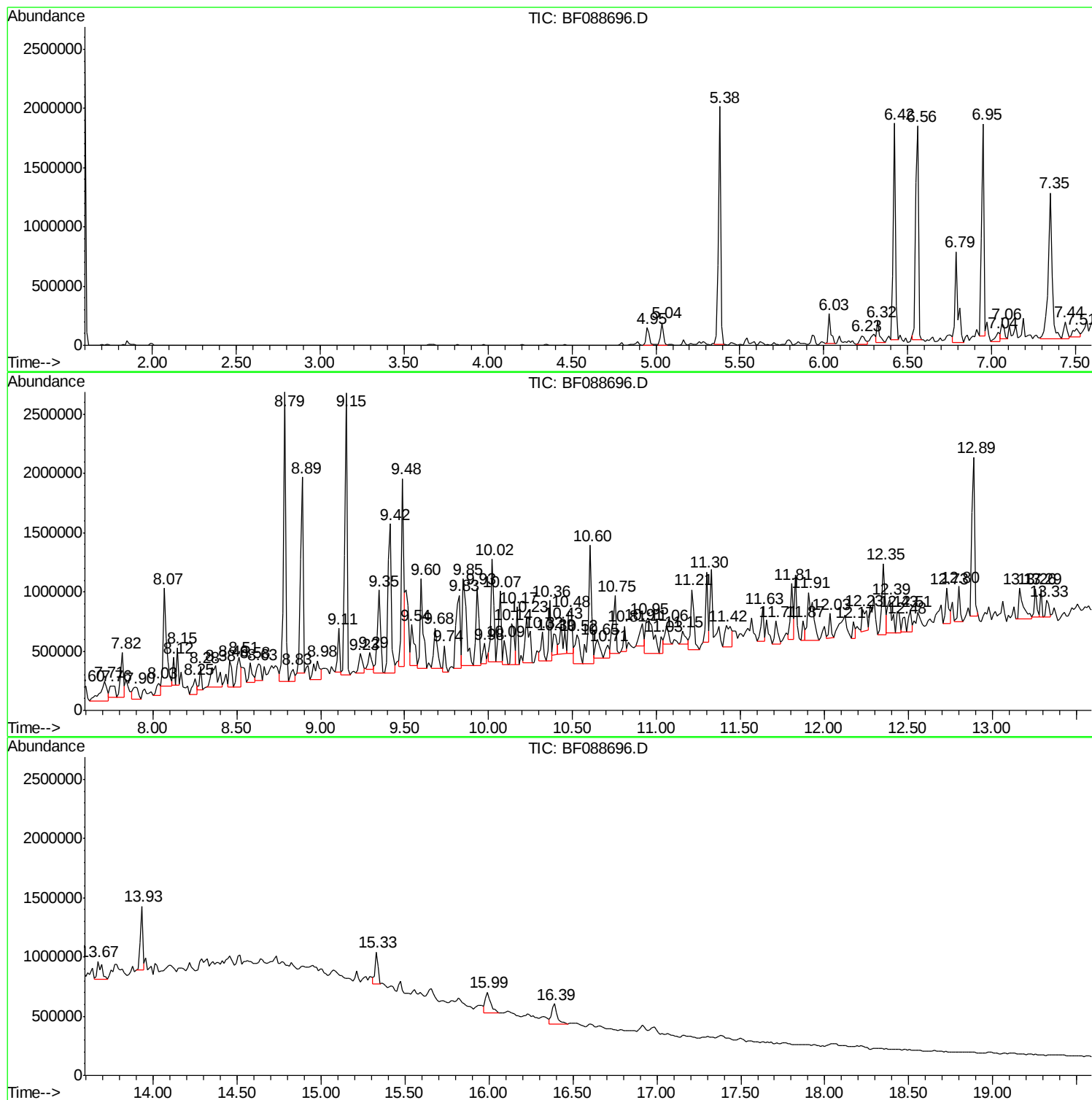
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BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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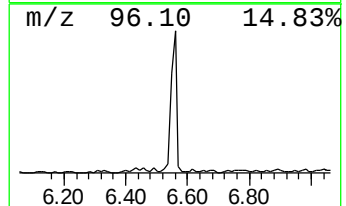
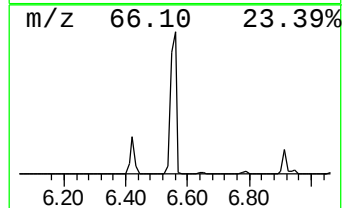
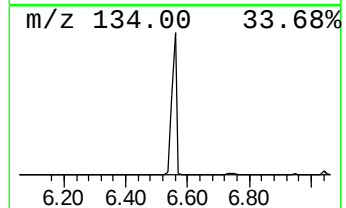
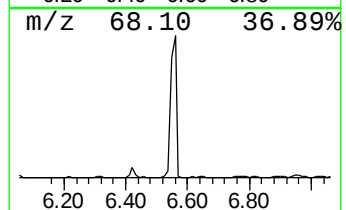
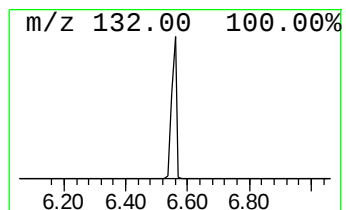
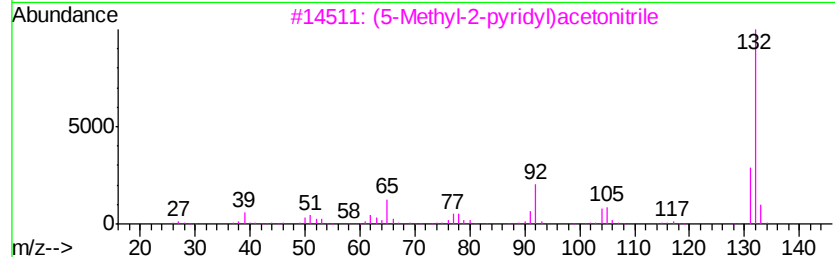
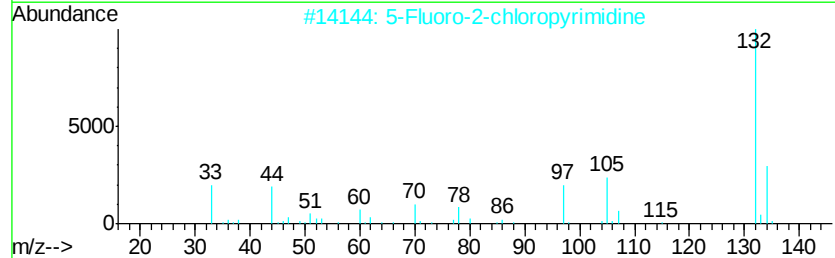
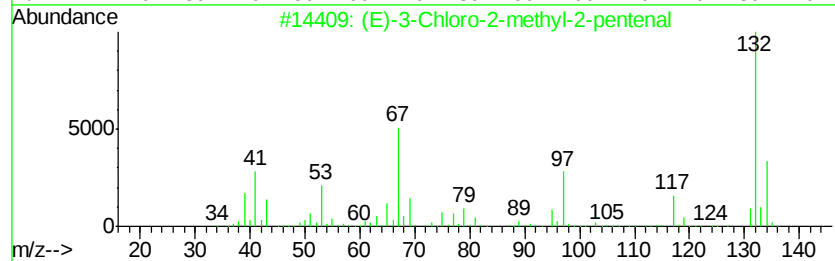
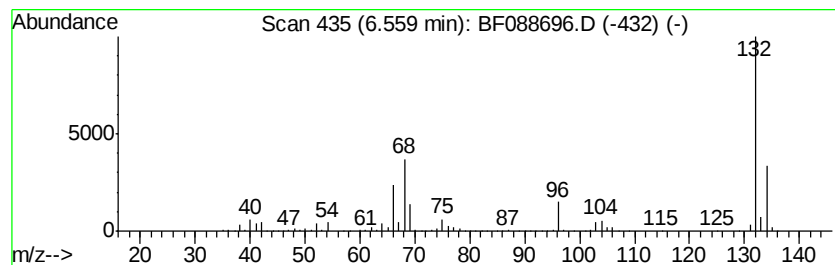
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	45.68 ng	2241580	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	38
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
3		(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9
4		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9



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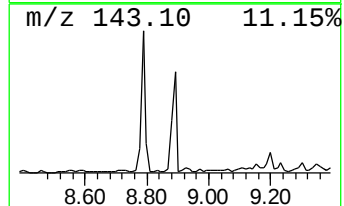
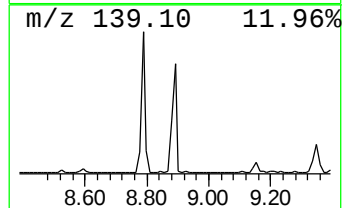
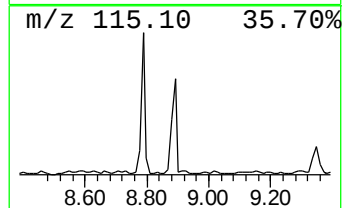
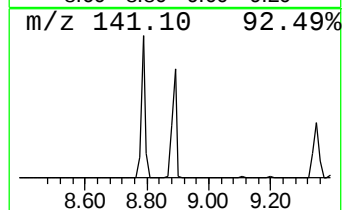
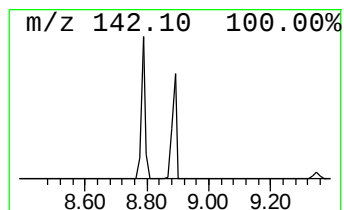
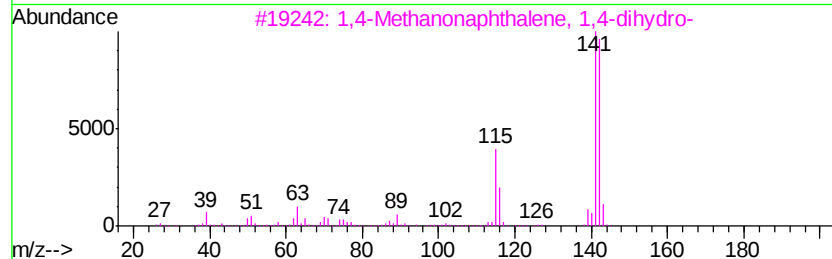
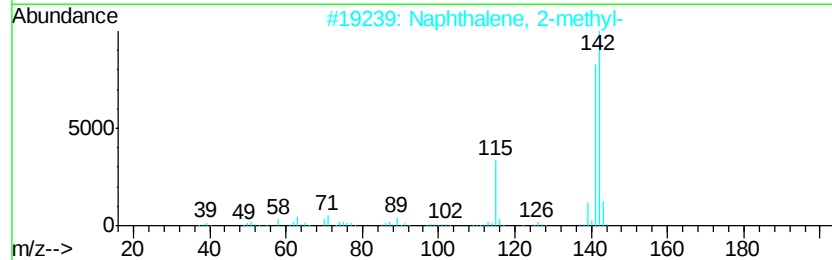
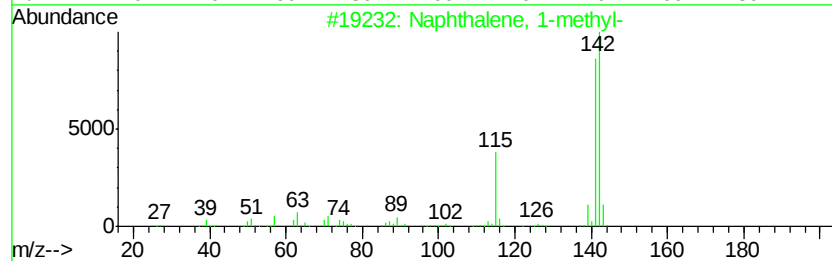
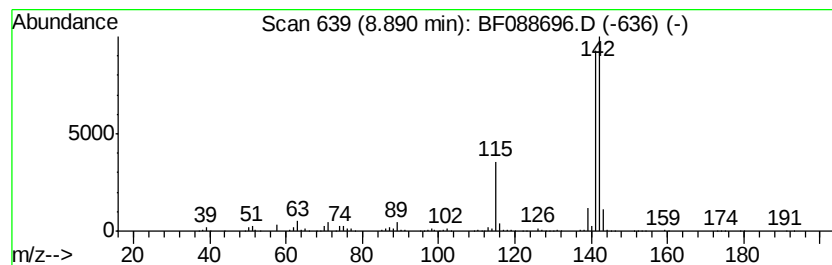
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	32.83 ng	1886040	Naphthalene-d8	8.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	91
4		Benzocycloheptatriene	142	C11H10	000264-09-5	91
5		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91



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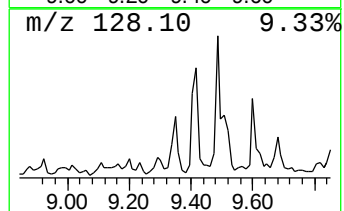
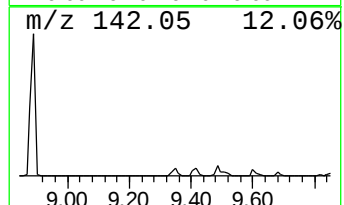
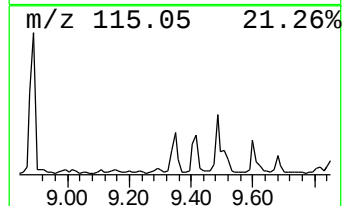
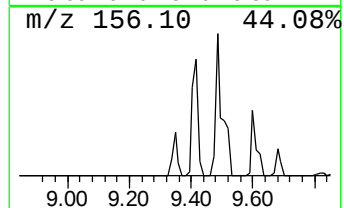
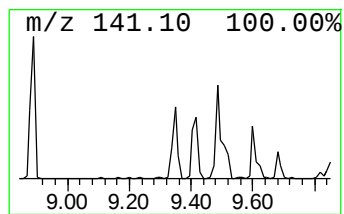
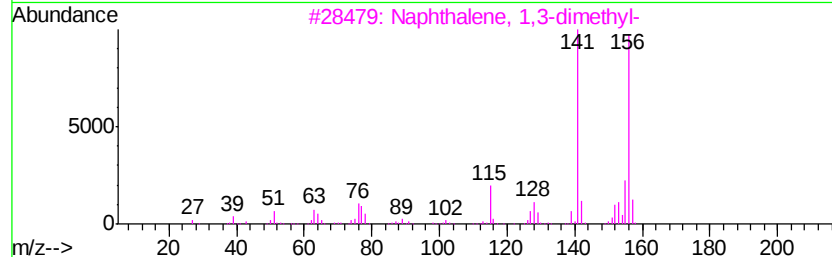
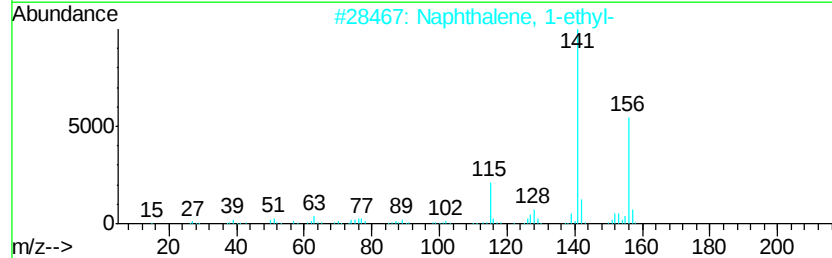
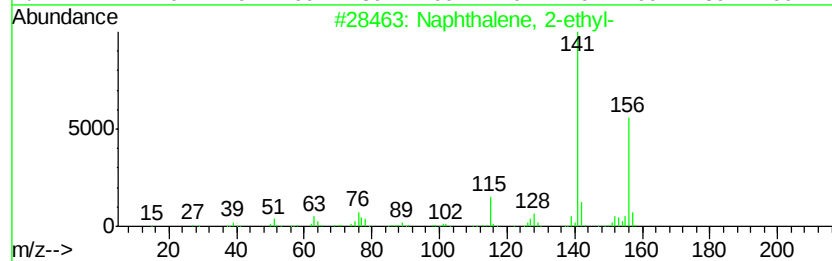
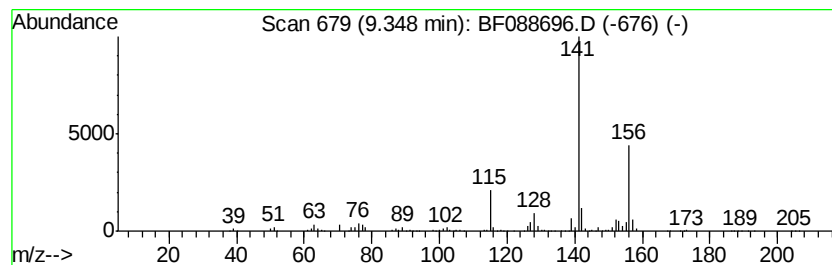
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 2-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	17.33 ng	962599	Acenaphthene-d10	9.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
2		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	80
4		2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
5		Butethal	212	C10H16N2O3	000077-28-1	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070316\
Data File : BF088696.D
Acq On : 4 Jul 2016 15:30
Operator : UM/SJ
Sample : H3784-10
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
D11-B1(6-12)C

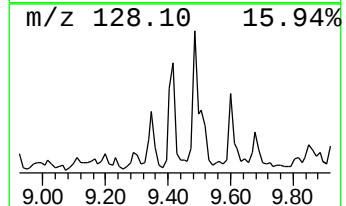
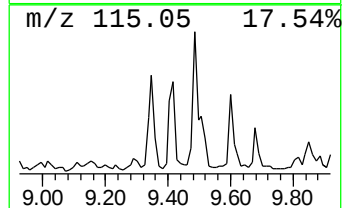
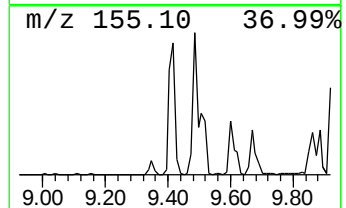
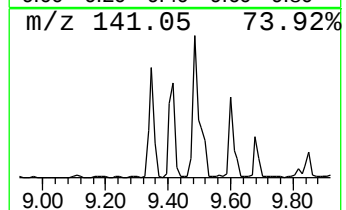
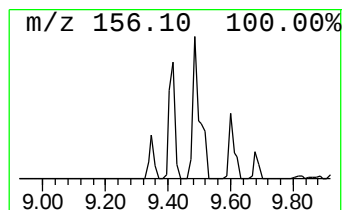
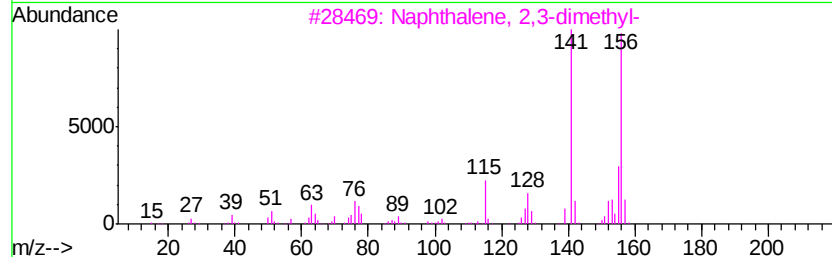
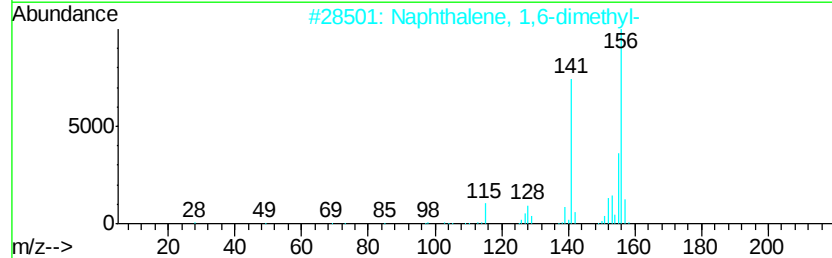
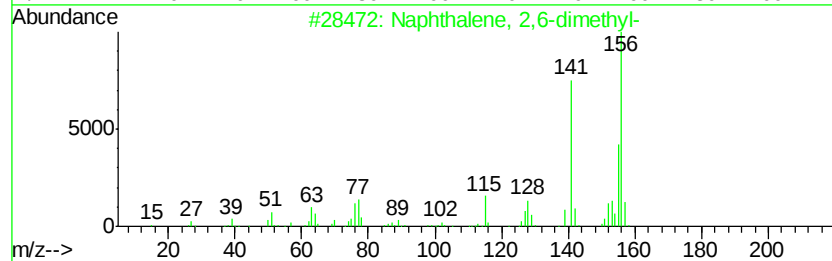
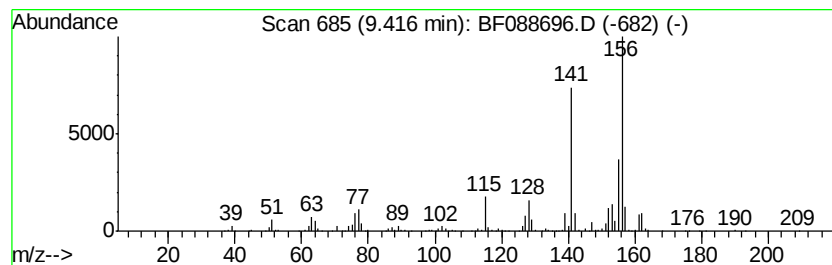
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	31.68 ng	1759630	Acenaphthene-d10	9.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\
Data File : BF088696.D
Acq On : 4 Jul 2016 15:30
Operator : UM/SJ
Sample : H3784-10
Misc :
ALS Vial : 55 Sample Multiplier: 1

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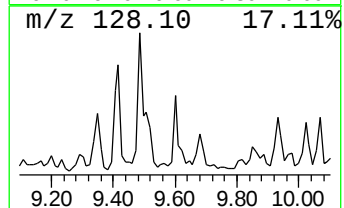
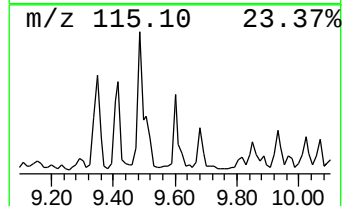
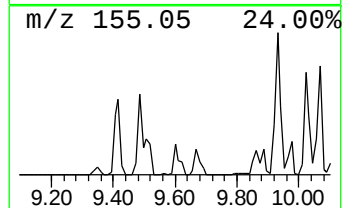
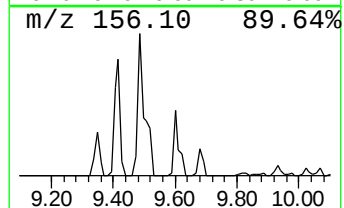
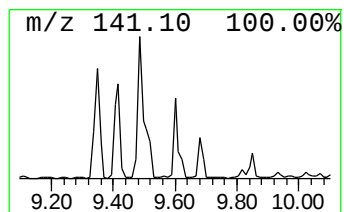
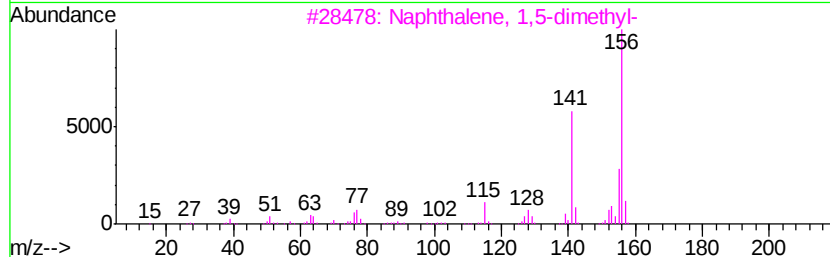
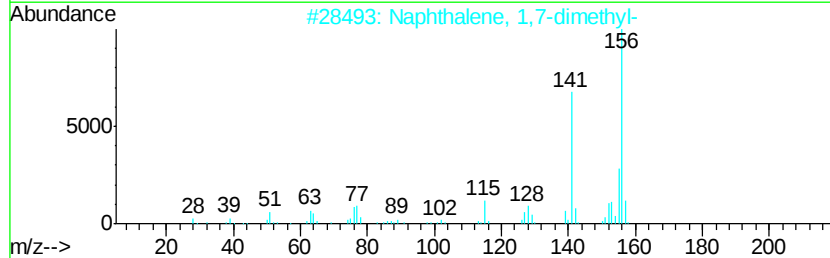
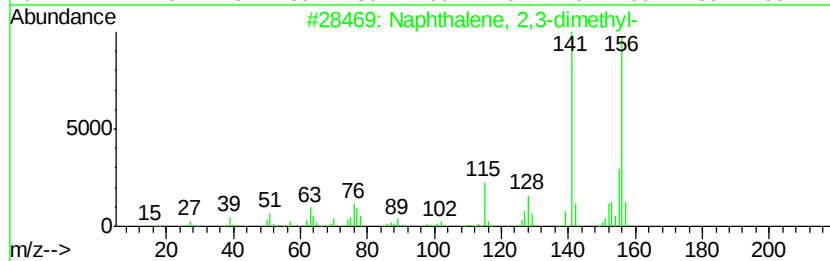
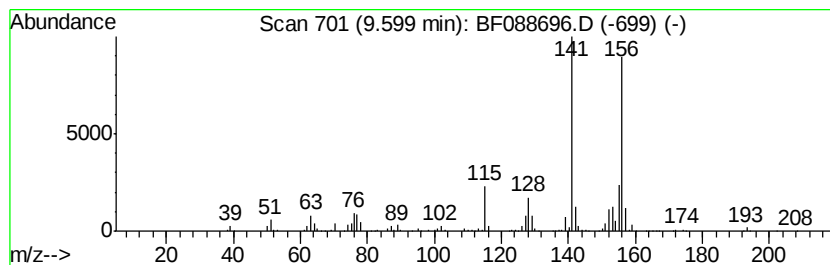
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	16.77 ng	931794	Acenaphthene-d10	9.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\
Data File : BF088696.D
Acq On : 4 Jul 2016 15:30
Operator : UM/SJ
Sample : H3784-10
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
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ClientSampleId :
D11-B1(6-12)C

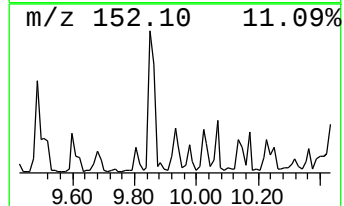
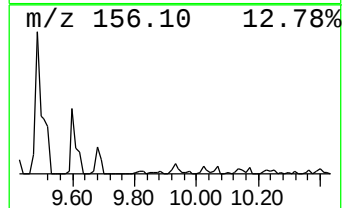
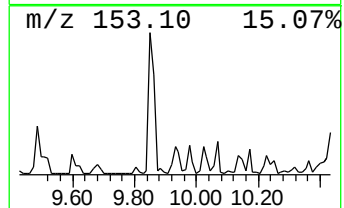
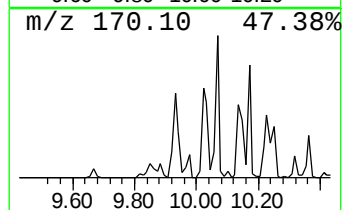
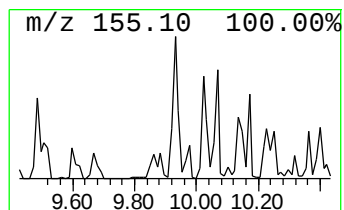
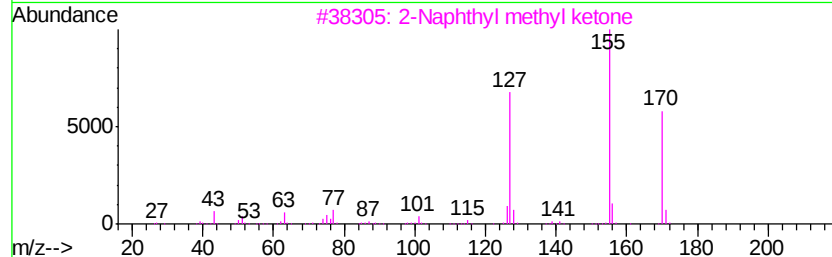
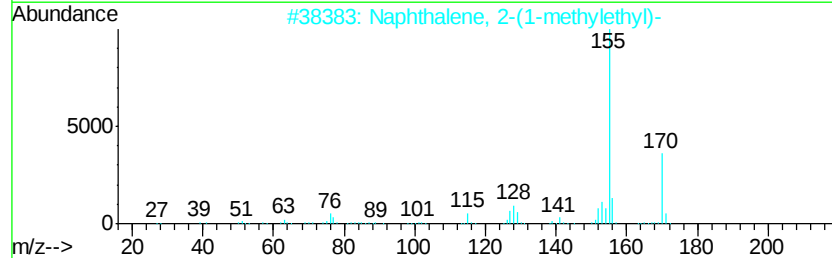
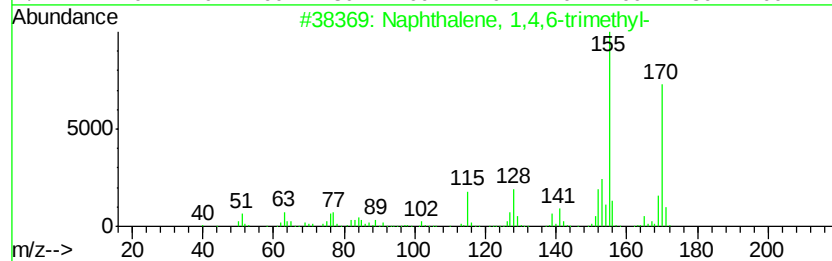
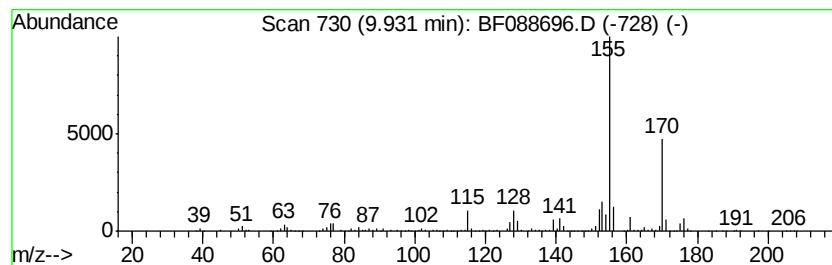
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 1,4,6-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.93	15.61 ng	867016	Acenaphthene-d10	9.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	92
2		Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
3		2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	72
4		Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	72
5		Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\
Data File : BF088696.D
Acq On : 4 Jul 2016 15:30
Operator : UM/SJ
Sample : H3784-10
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
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ClientSampleId :
D11-B1(6-12)C

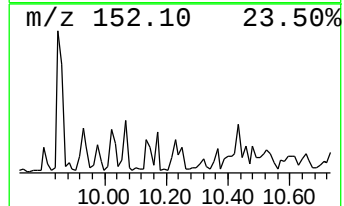
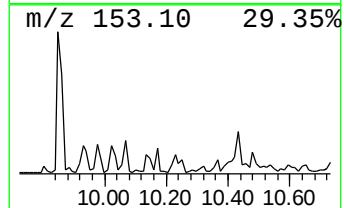
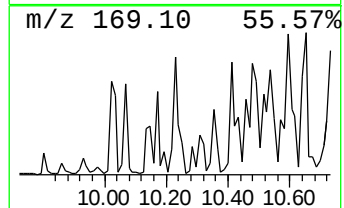
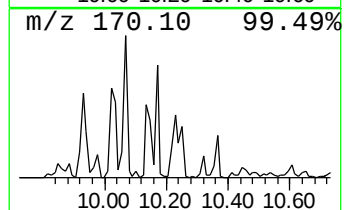
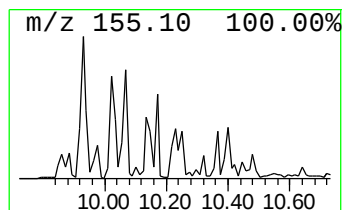
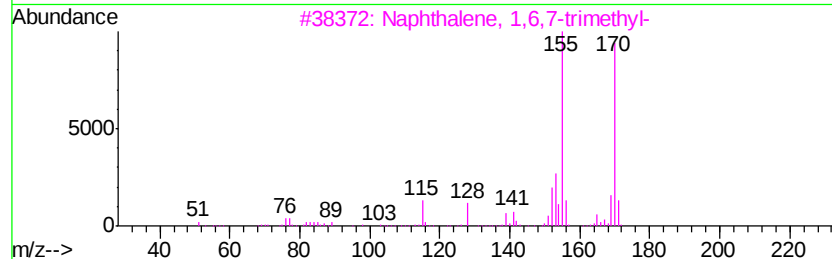
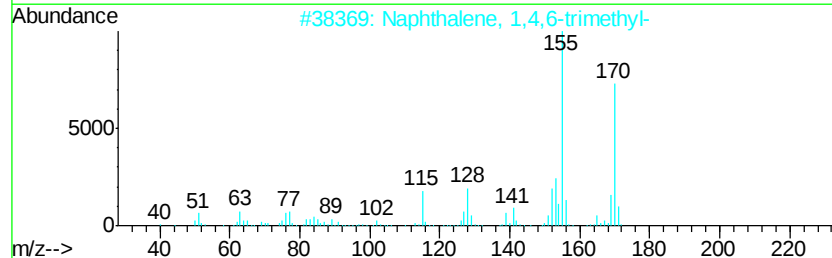
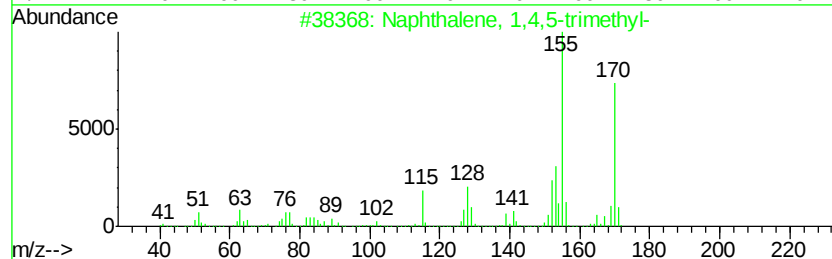
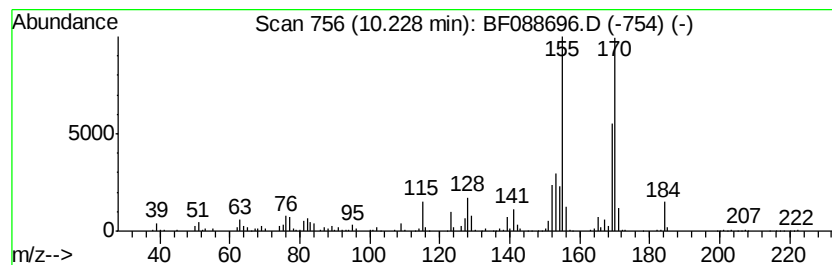
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 1,4,5-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	12.95 ng	719559	Acenaphthene-d10	9.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	81
5		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070316\
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Acq On : 4 Jul 2016 15:30
Operator : UM/SJ
Sample : H3784-10
Misc :
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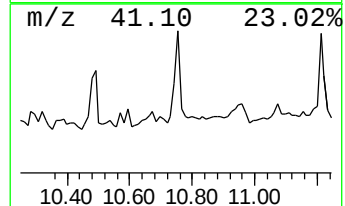
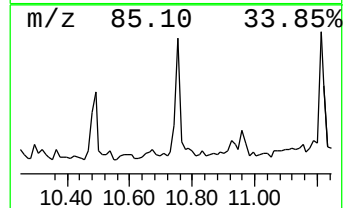
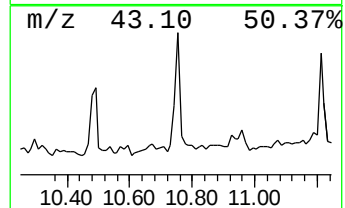
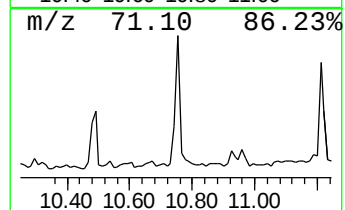
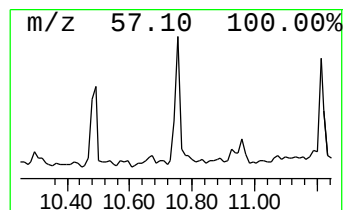
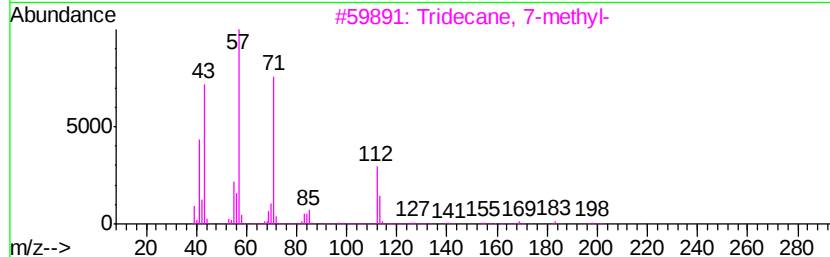
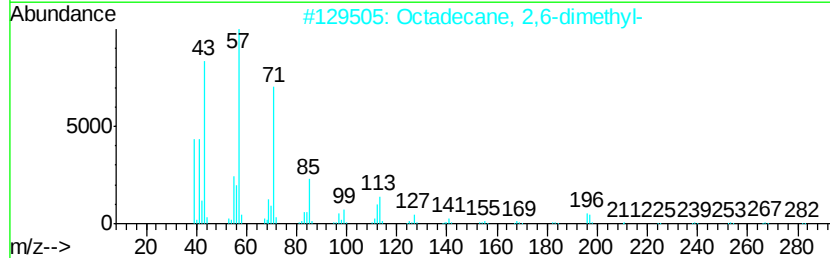
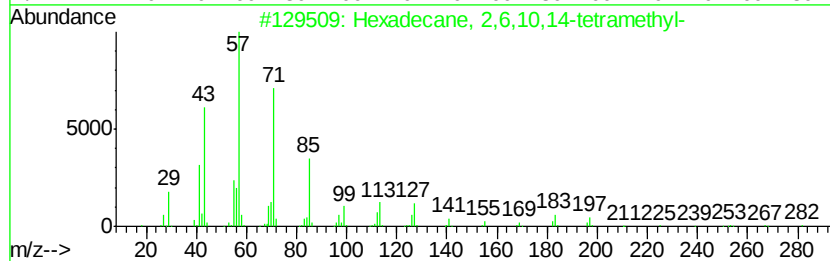
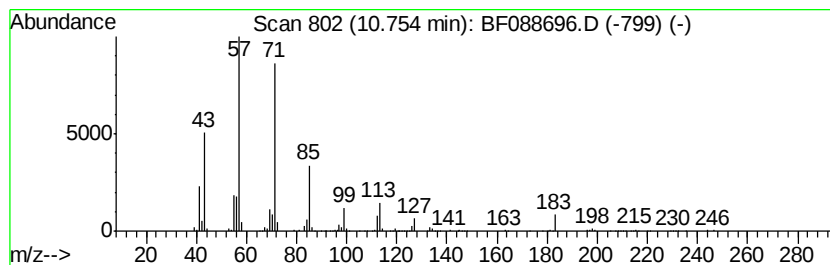
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Hexadecane, 2,6,10,14-tetra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.75	25.27 ng	690566	Phenanthrene-d10	11.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
2	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	83
3	Tridecane, 7-methyl-	198	C14H30	026730-14-3	76
4	Tridecane, 5-propyl-	226	C16H34	055045-11-9	64
5	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070316\
Data File : BF088696.D
Acq On : 4 Jul 2016 15:30
Operator : UM/SJ
Sample : H3784-10
Misc :
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Instrument :
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ClientSampleId :
D11-B1(6-12)C

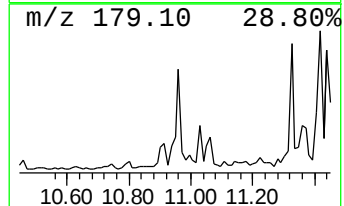
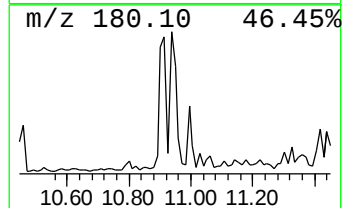
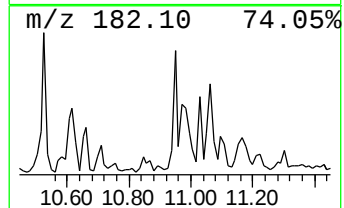
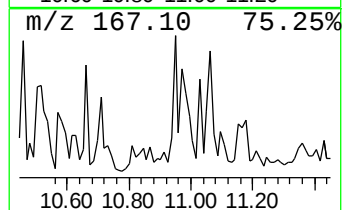
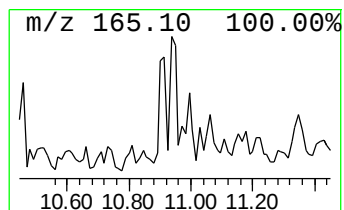
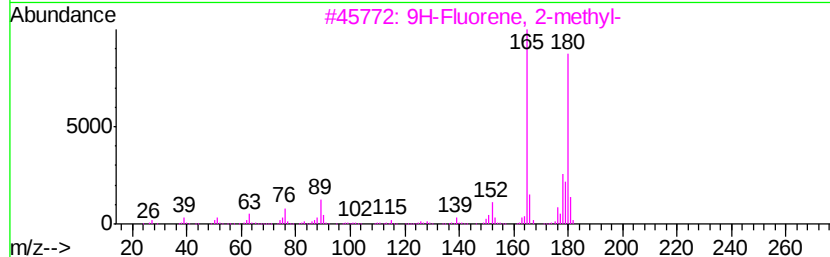
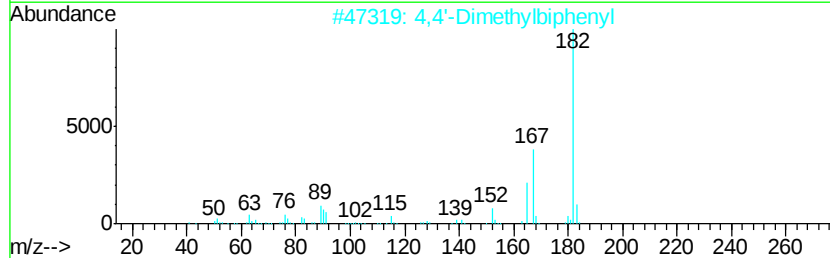
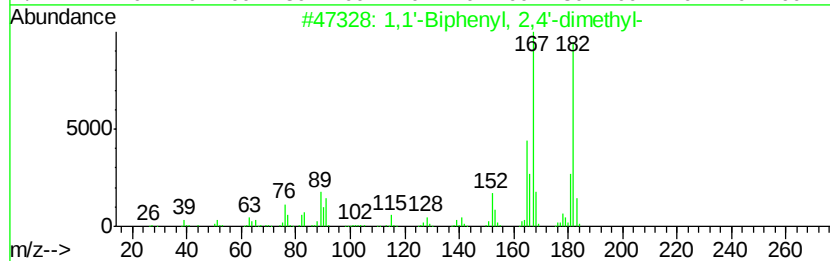
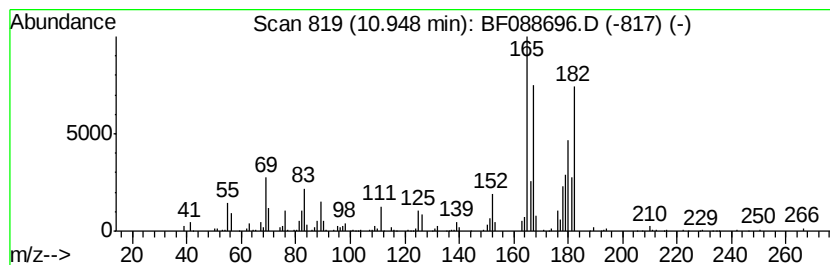
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown10.95 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	34.72 ng	948763	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	47
2		4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	43
3		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	42
4		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	38
5		1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070316\
Data File : BF088696.D
Acq On : 4 Jul 2016 15:30
Operator : UM/SJ
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Misc :
ALS Vial : 55 Sample Multiplier: 1

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ClientSampleId :
D11-B1(6-12)C

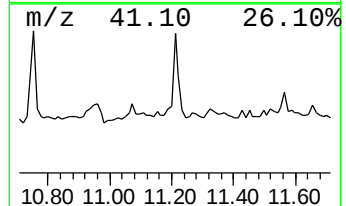
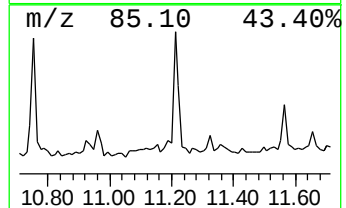
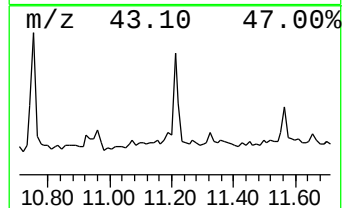
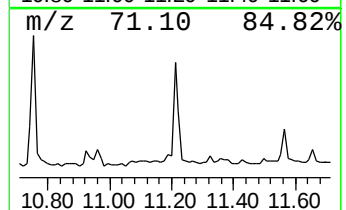
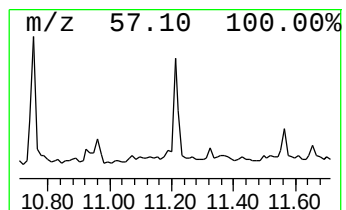
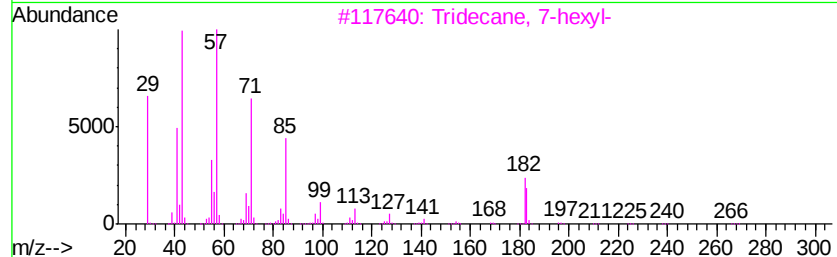
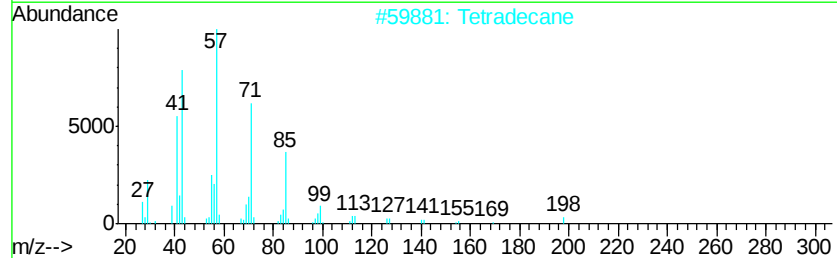
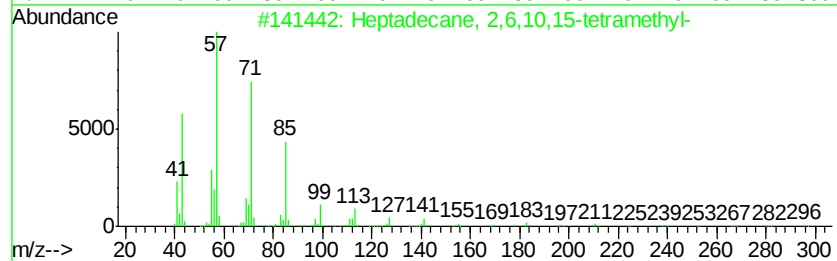
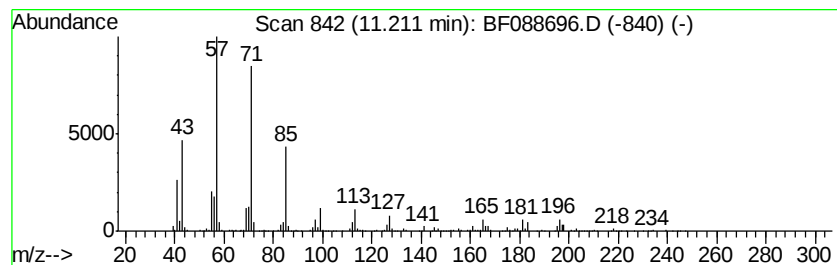
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Heptadecane, 2,6,10,15-tetr... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	25.63 ng	700451	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
2		Tetradecane	198	C14H30	000629-59-4	72
3		Tridecane, 7-hexyl-	268	C19H40	007225-66-3	72
4		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64
5		Heptadecane, 7-methyl-	254	C18H38	020959-33-5	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070316\
Data File : BF088696.D
Acq On : 4 Jul 2016 15:30
Operator : UM/SJ
Sample : H3784-10
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
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ClientSampleId :
D11-B1(6-12)C

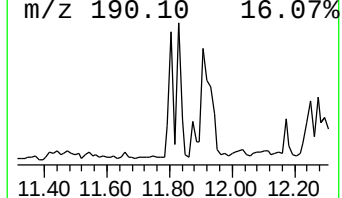
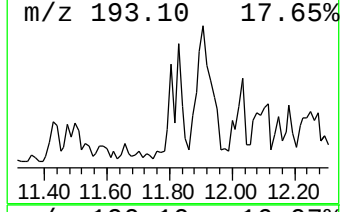
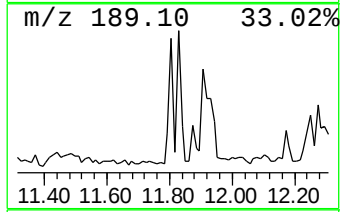
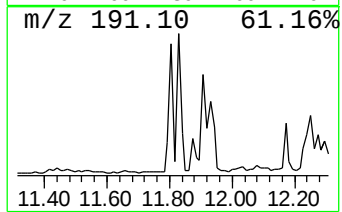
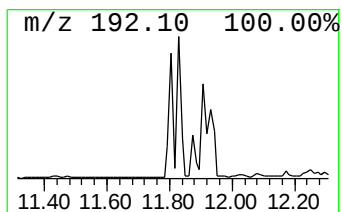
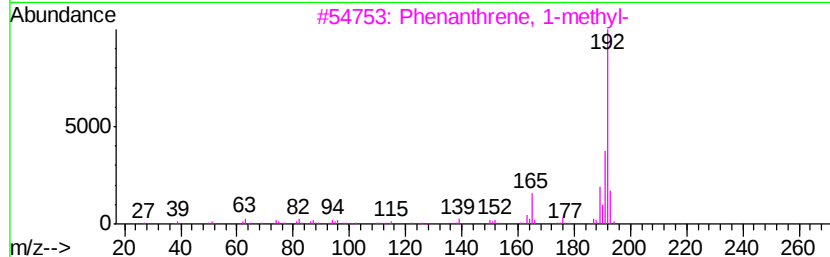
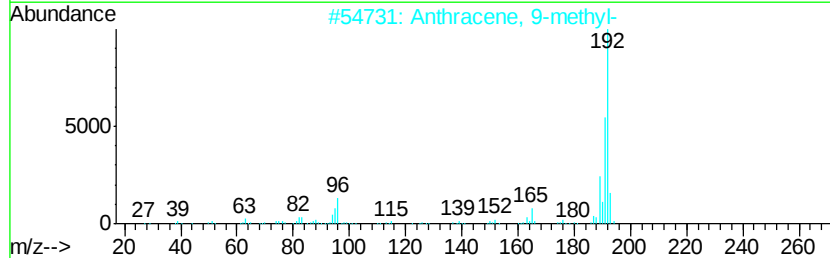
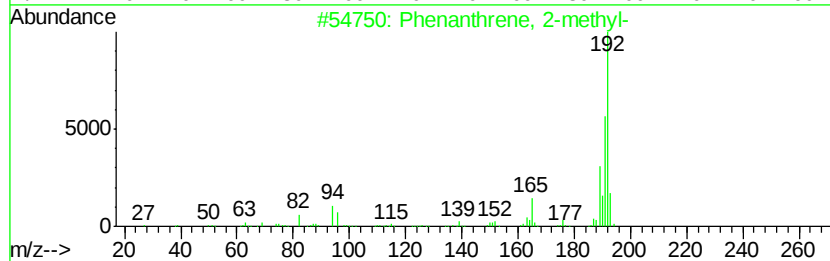
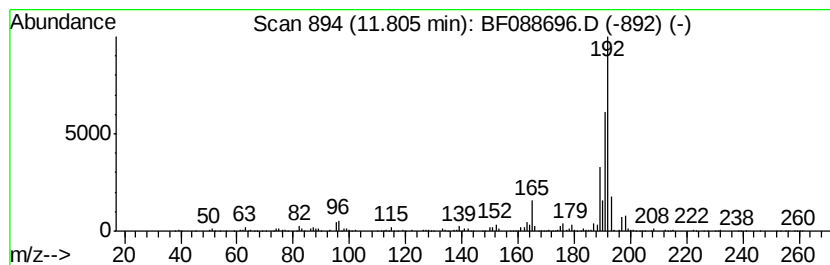
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	19.98 ng	545859	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070316\
Data File : BF088696.D
Acq On : 4 Jul 2016 15:30
Operator : UM/SJ
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Misc :
ALS Vial : 55 Sample Multiplier: 1

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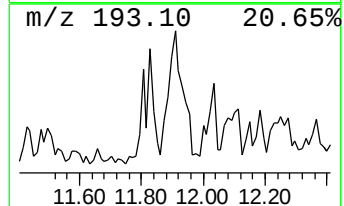
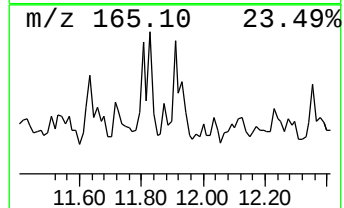
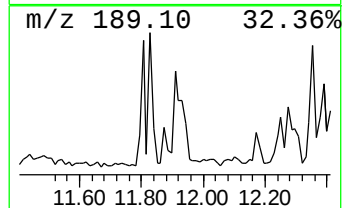
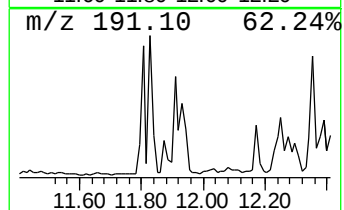
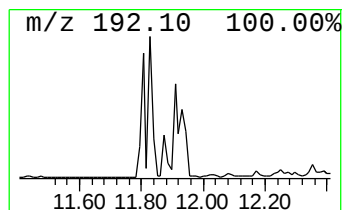
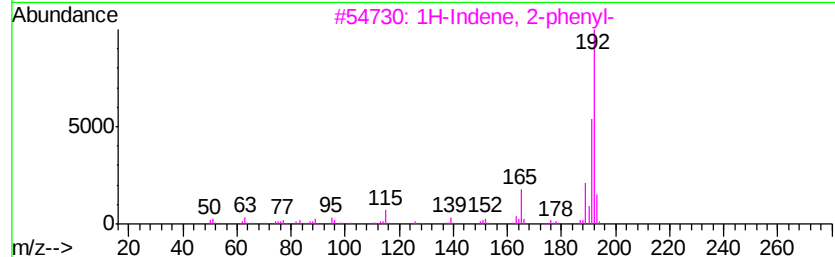
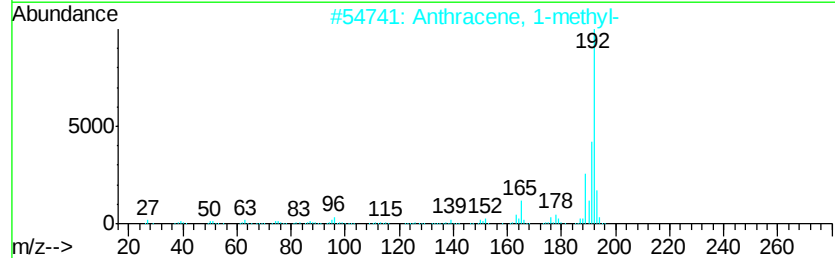
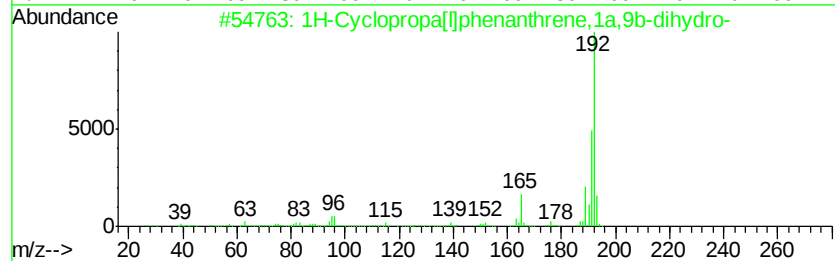
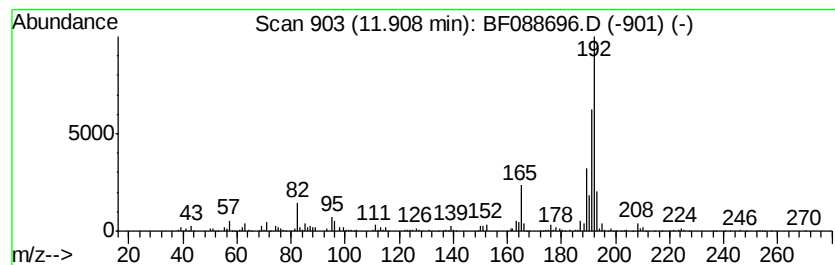
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1H-Cyclopropa[l]phenanthren... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	33.80 ng	923529	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070316\
Data File : BF088696.D
Acq On : 4 Jul 2016 15:30
Operator : UM/SJ
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Misc :
ALS Vial : 55 Sample Multiplier: 1

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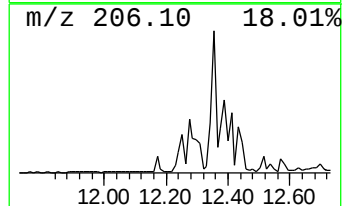
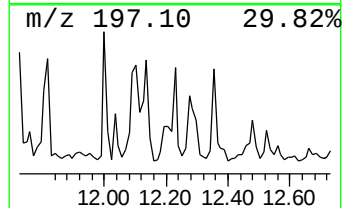
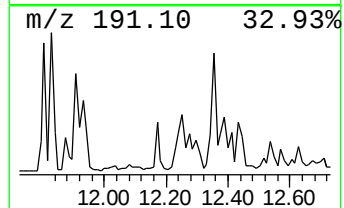
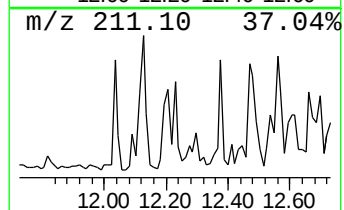
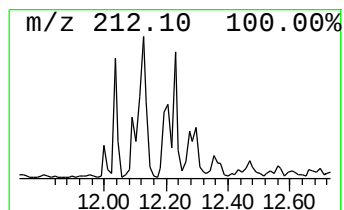
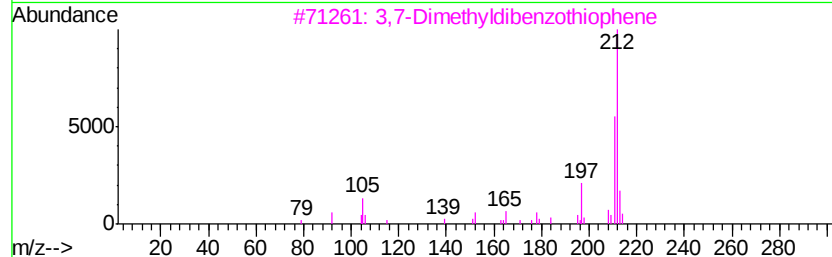
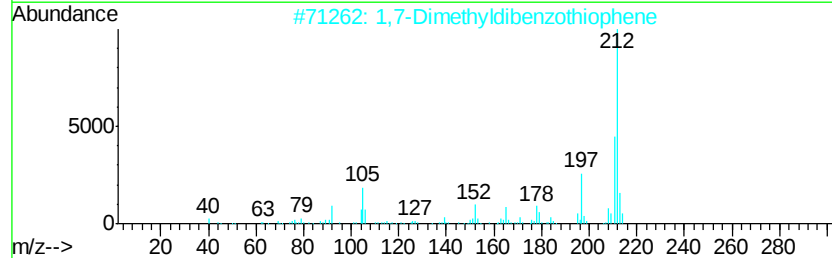
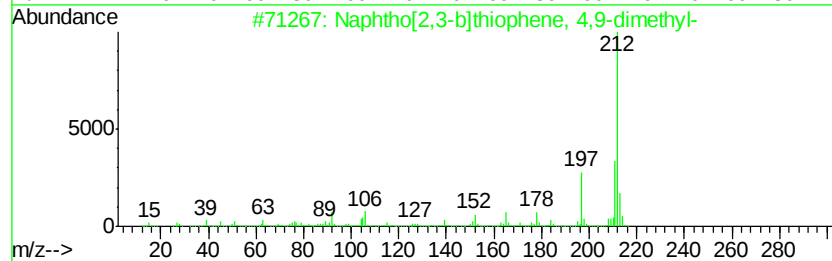
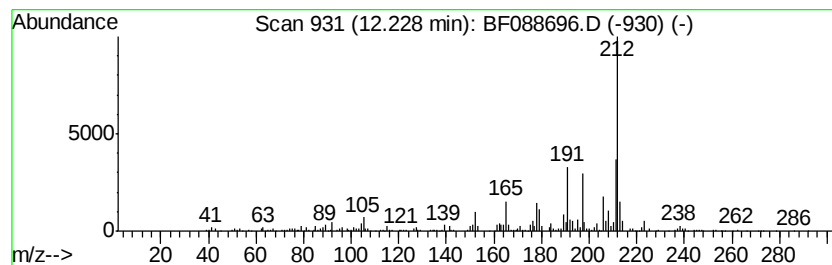
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphtho[2,3-b]thiophene, 4,... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	13.28 ng	362935	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	90
2		1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	89
3		3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	86
4		2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	86
5		Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\
Data File : BF088696.D
Acq On : 4 Jul 2016 15:30
Operator : UM/SJ
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ALS Vial : 55 Sample Multiplier: 1

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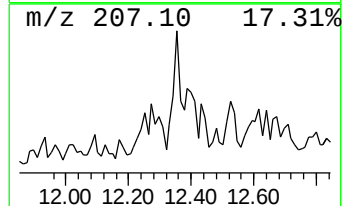
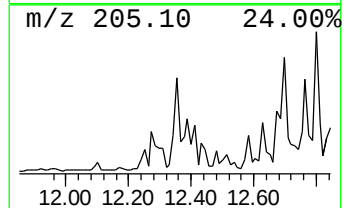
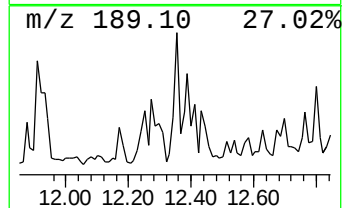
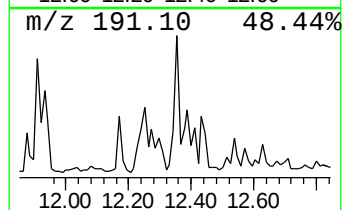
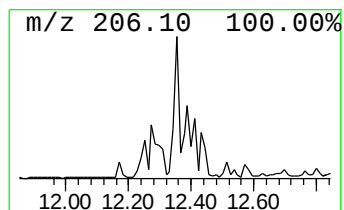
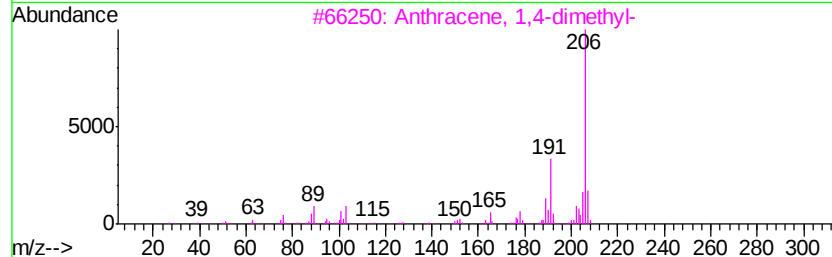
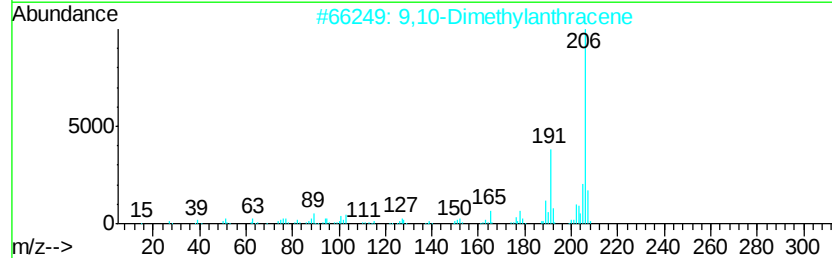
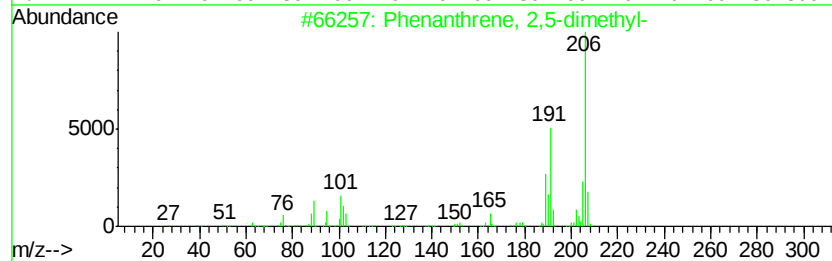
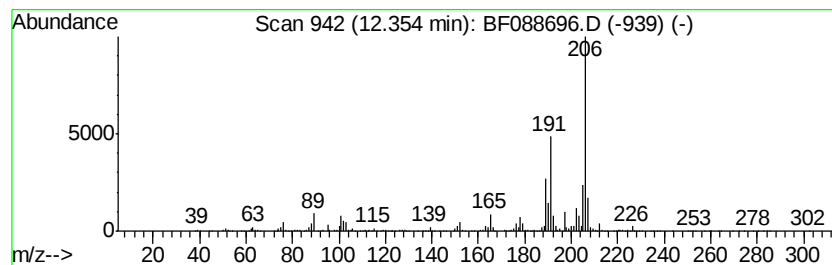
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	25.85 ng	706493	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	90
3		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
4		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	89
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070316\
Data File : BF088696.D
Acq On : 4 Jul 2016 15:30
Operator : UM/SJ
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Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
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ClientSampleId :
D11-B1(6-12)C

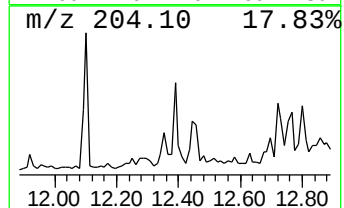
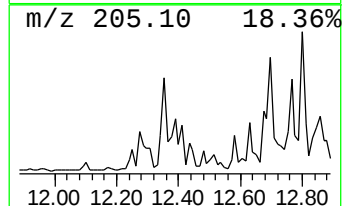
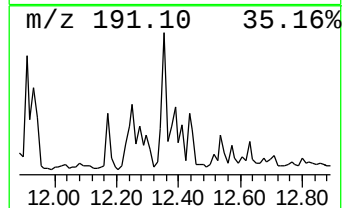
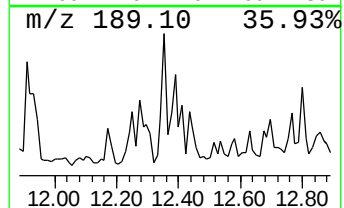
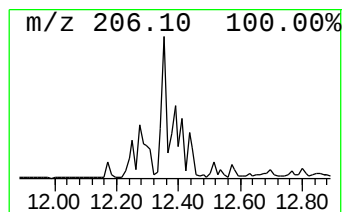
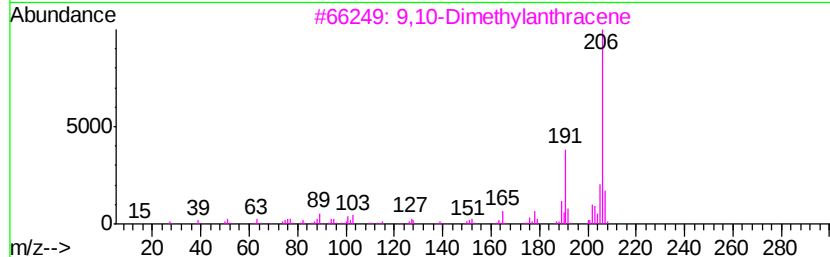
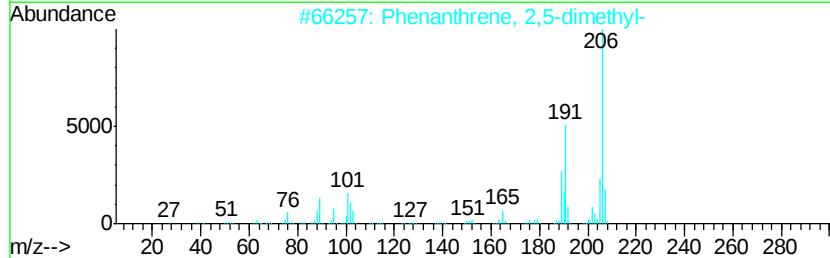
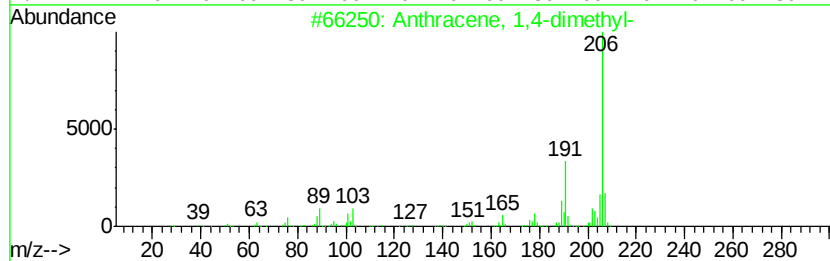
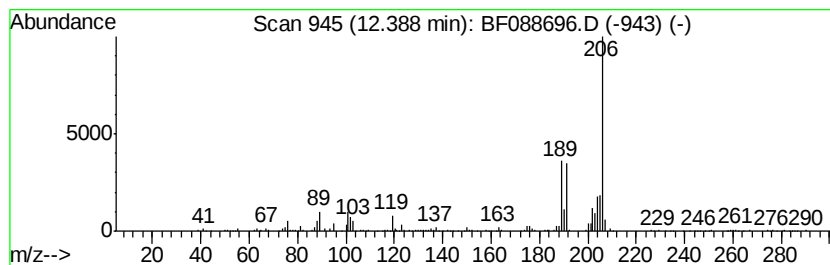
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Anthracene, 1,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	19.23 ng	525376	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	80
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	68
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\
Data File : BF088696.D
Acq On : 4 Jul 2016 15:30
Operator : UM/SJ
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ALS Vial : 55 Sample Multiplier: 1

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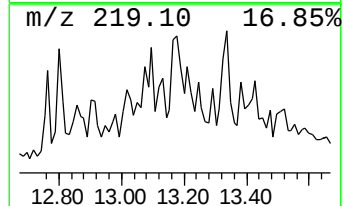
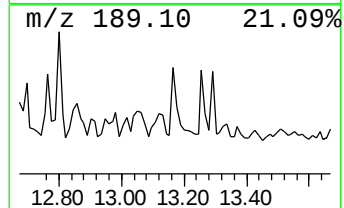
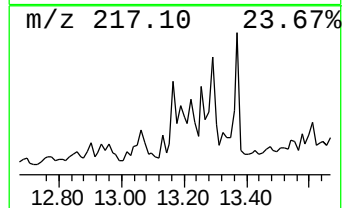
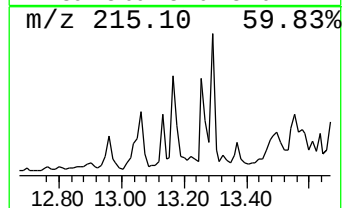
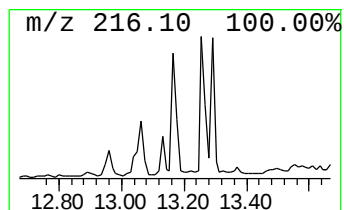
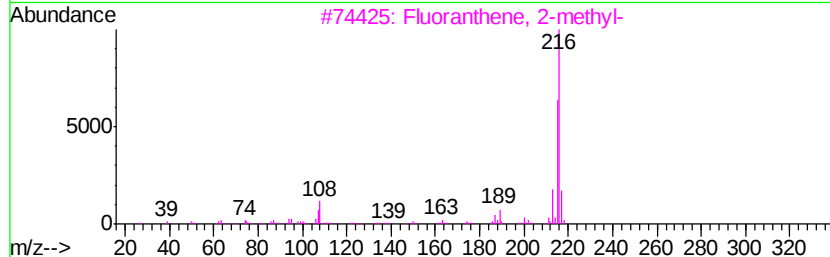
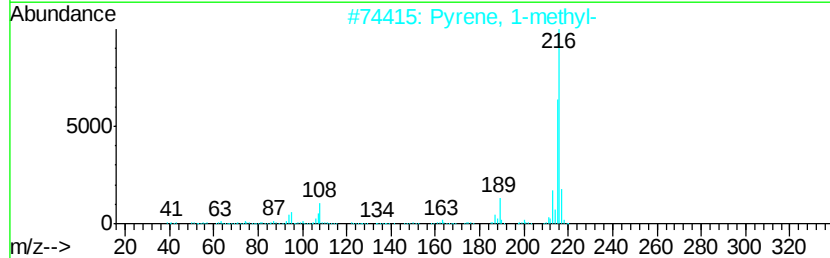
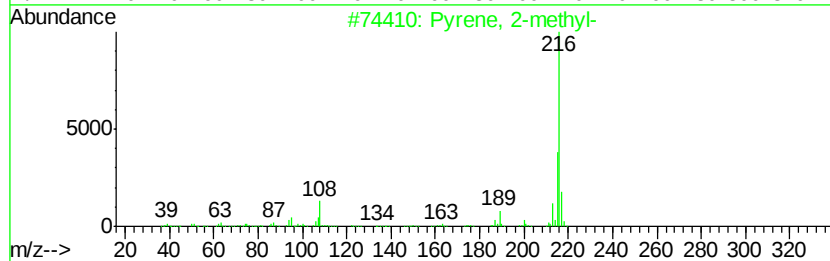
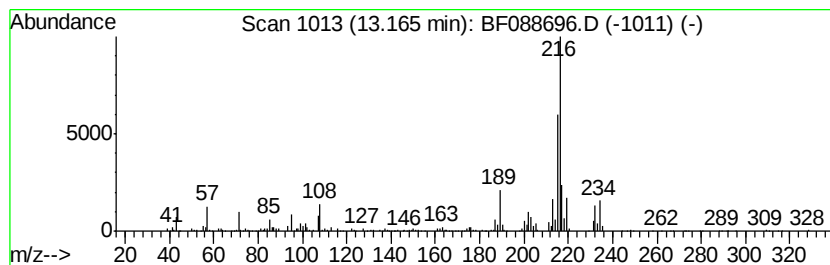
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Pyrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	16.63 ng	466093	Chrysene-d12	13.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4		Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070316\
Data File : BF088696.D
Acq On : 4 Jul 2016 15:30
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Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
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ClientSampleId :
D11-B1(6-12)C

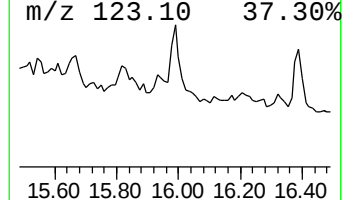
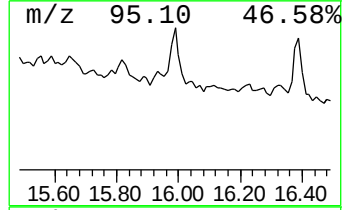
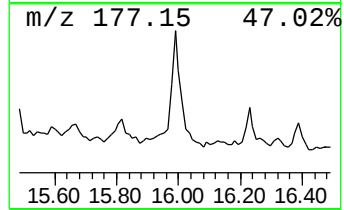
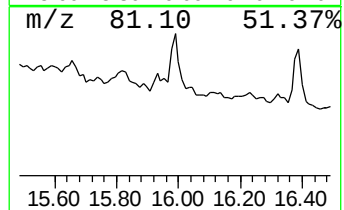
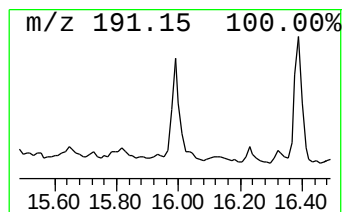
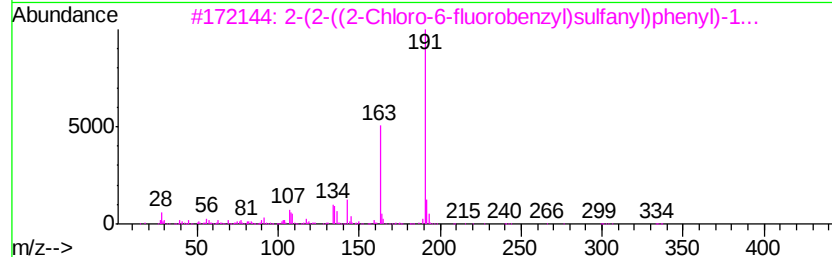
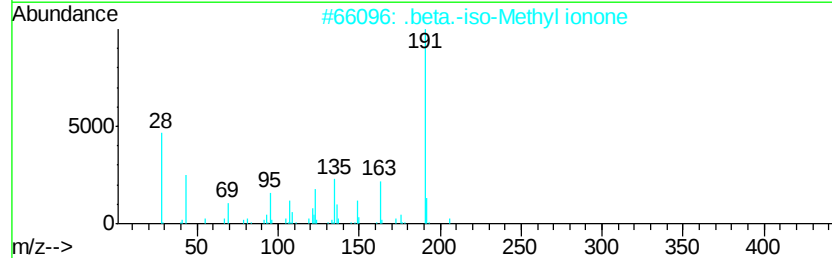
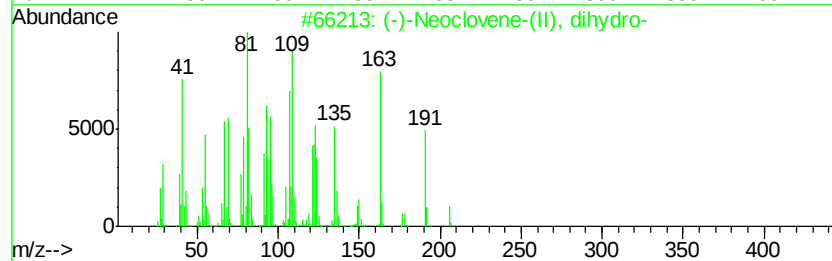
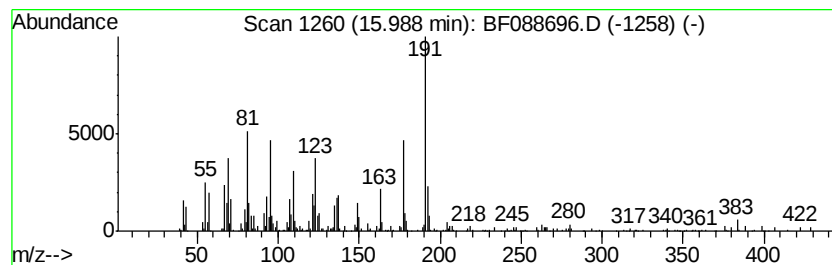
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 (-)-Neoclovene-(II), dihydro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	23.32 ng	388146	Perylene-d12	15.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(-)-Neoclovene-(II), dihydro-	206	C15H26	1000152-83-6	60
2		.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	43
3		2-(2-((2-Chloro-6-fluorobenzyl)s...	334	C17H16ClFN2S	1000298-18-2	35
4		3-Fluoro-4-trifluoromethylbenzoi...	352	C14H6Cl2F4O2	1000357-94-6	30
5		3-Fluoro-4-trifluoromethylbenzoi...	386	C14H5Cl3F4O2	1000360-60-0	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070316\
Data File : BF088696.D
Acq On : 4 Jul 2016 15:30
Operator : UM/SJ
Sample : H3784-10
Misc :
ALS Vial : 55 Sample Multiplier: 1

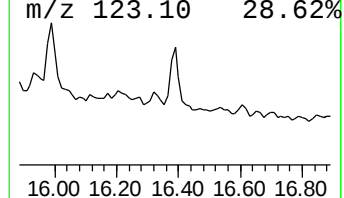
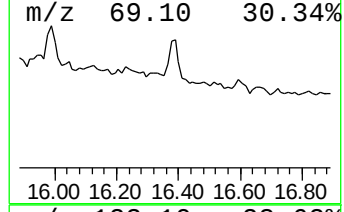
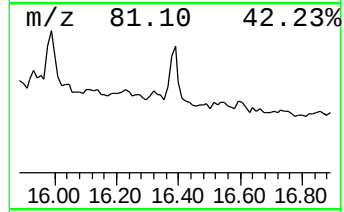
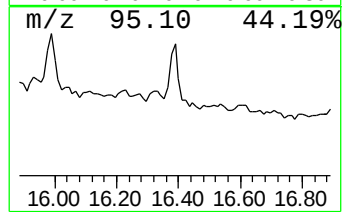
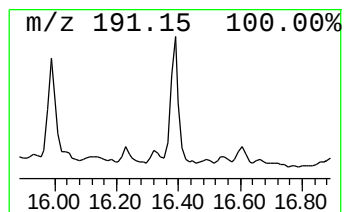
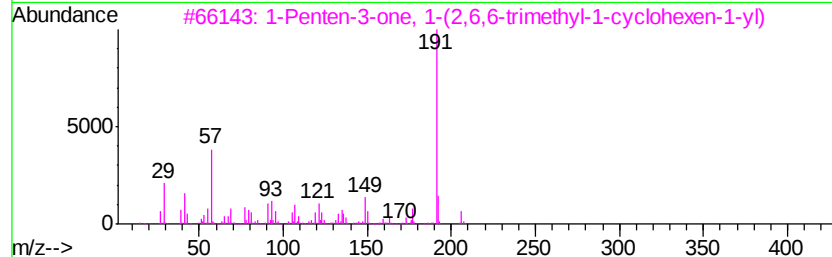
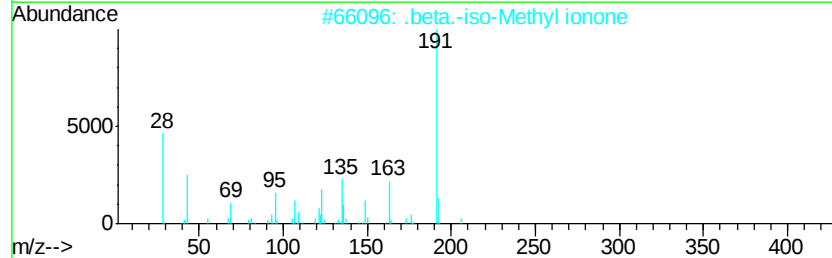
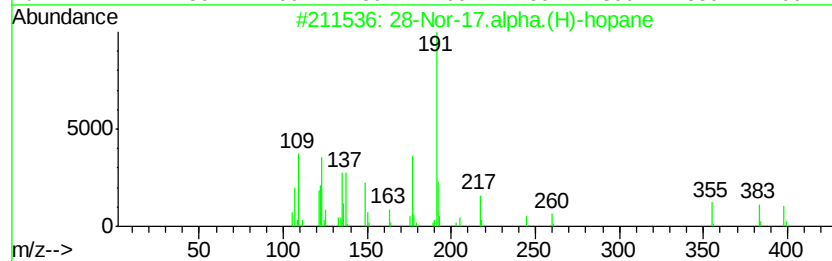
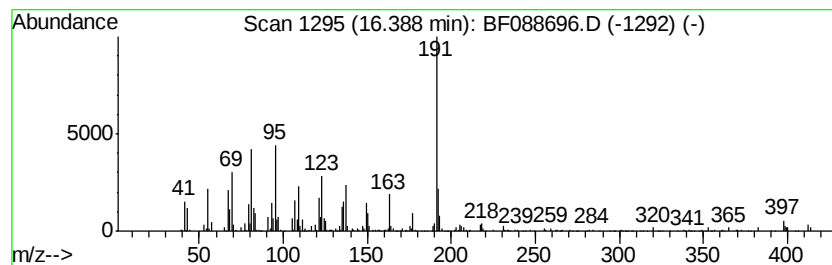
Instrument :
BNA_F
ClientSampleId :
D11-B1(6-12)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 28-Nor-17.alpha.(H)-hopane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	22.80 ng	379360	Perylene-d12	15.33
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	28-Nor-17.alpha.(H)-hopane	398 C29H50	053584-60-4	72
2	.beta.-iso-Methyl ionone	206 C14H22O	1000285-40-2	46
3	1-Penten-3-one, 1-(2,6,6-trimeth...	206 C14H22O	000127-43-5	41
4	Anthracene, 9-dodecyltetradecahy...	360 C26H48	055401-75-7	32
5	3-Fluoro-4-trifluoromethylbenzoi...	318 C14H7ClF4O2	1000357-94-1	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070316\
 Data File : BF088696.D
 Acq On : 4 Jul 2016 15:30
 Operator : UM/SJ
 Sample : H3784-10
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D11-B1(6-12)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.56	6.56	45.7	ng	2241580	1	6.79	981438	20.0
Naphthalene, 1-me...	8.89	32.8	ng	1886040	2	8.07	1149020	20.0
Naphthalene, 2-et...	9.35	17.3	ng	962599	3	9.83	1110970	20.0
Naphthalene, 2,6-...	9.42	31.7	ng	1759630	3	9.83	1110970	20.0
Naphthalene, 2,3-...	9.60	16.8	ng	931794	3	9.83	1110970	20.0
Naphthalene, 1,4,...	9.93	15.6	ng	867016	3	9.83	1110970	20.0
Naphthalene, 1,4,...	10.23	12.9	ng	719559	3	9.83	1110970	20.0
Hexadecane, 2,6,1...	10.75	25.3	ng	690566	4	11.30	546525	20.0
unknown10.95	10.95	34.7	ng	948763	4	11.30	546525	20.0
Heptadecane, 2,6,...	11.21	25.6	ng	700451	4	11.30	546525	20.0
Phenanthrene, 2-m...	11.81	20.0	ng	545859	4	11.30	546525	20.0
1H-Cyclopropa[1]p...	11.91	33.8	ng	923529	4	11.30	546525	20.0
Naphtho[2,3-b]thi...	12.23	13.3	ng	362935	4	11.30	546525	20.0
Phenanthrene, 2,5...	12.35	25.9	ng	706493	4	11.30	546525	20.0
Anthracene, 1,4-d...	12.39	19.2	ng	525376	4	11.30	546525	20.0
Pyrene, 2-methyl-	13.17	16.6	ng	466093	5	13.93	560497	20.0
(-)-Neoclovene-(I...	15.99	23.3	ng	388146	6	15.33	332823	20.0
28-Nor-17.alpha.(...	16.39	22.8	ng	379360	6	15.33	332823	20.0