

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
 Data File : BF083899.D
 Acq On : 18 Dec 2015 6:12
 Operator : UM/SJ
 Sample : G4739-16
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K201-27-28

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-BF121815.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	5.070	258	261	267	rBV	276383	370650	23.11%	1.282%
2	5.493	295	298	301	rBV	1342368	1333574	83.14%	4.614%
3	5.699	314	316	325	rBV	47113	51072	3.18%	0.177%
4	6.522	385	388	390	rBV	1334970	1558556	97.17%	5.392%
5	6.647	396	399	401	rBV	1613346	1503839	93.76%	5.203%
6	6.716	401	405	407	rVV	48185	74235	4.63%	0.257%
7	6.750	407	408	412	rVB	28123	26715	1.67%	0.092%
8	6.876	417	419	421	rBV	458780	385681	24.05%	1.334%
9	7.036	430	433	435	rBV	1253580	1215079	75.76%	4.204%
10	7.139	437	442	446	rBV	53289	71444	4.45%	0.247%
11	7.436	465	468	471	rBV	770979	857656	53.47%	2.967%
12	7.733	491	494	499	rVB	47736	62535	3.90%	0.216%
13	7.916	505	510	511	rBV3	33956	74348	4.64%	0.257%
14	7.985	514	516	518	rVB2	27859	37054	2.31%	0.128%
15	8.156	529	531	535	rBV2	529957	656836	40.95%	2.272%
16	8.259	538	540	543	rVB3	25747	47313	2.95%	0.164%
17	8.339	543	547	548	rBV4	15238	33730	2.10%	0.117%
18	8.373	548	550	551	rBV	56991	55435	3.46%	0.192%
19	8.430	554	555	559	rBV2	48451	84889	5.29%	0.294%
20	8.556	563	566	567	rBV2	19977	30917	1.93%	0.107%
21	8.625	569	572	574	rVB2	50245	88573	5.52%	0.306%
22	8.670	574	576	578	rBV2	46058	72213	4.50%	0.250%
23	8.728	578	581	582	rBV2	20547	44184	2.75%	0.153%
24	8.796	584	587	589	rBV4	26573	59249	3.69%	0.205%
25	8.876	591	594	595	rVB2	59932	82252	5.13%	0.285%
26	8.910	595	597	598	rBV	19894	24168	1.51%	0.084%
27	8.968	601	602	607	rVB2	57097	80272	5.00%	0.278%
28	9.048	607	609	610	rBV2	42503	50203	3.13%	0.174%
29	9.116	613	615	616	rBV2	39038	61466	3.83%	0.213%
30	9.151	616	618	620	rVB2	49077	52461	3.27%	0.181%
31	9.242	623	626	628	rVB	1231130	1603922	100.00%	5.549%
32	9.322	628	633	635	rBV3	78074	152274	9.49%	0.527%
33	9.368	635	637	638	rBV2	31720	47920	2.99%	0.166%
34	9.436	641	643	645	rVB3	36957	55322	3.45%	0.191%

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35	9.573	654	655	656 rVB	42534	29157	1.82%	0.101%
36	9.631	658	660	662 rVB	389556	381113	23.76%	1.318%
37	9.676	662	664	667 rBV3	52753	101202	6.31%	0.350%
38	9.733	667	669	670 rVB	54697	58419	3.64%	0.202%
39	9.768	670	672	675 rBV	176737	310363	19.35%	1.074%
40	9.825	675	677	678 rBV	85542	70434	4.39%	0.244%
41	9.916	682	685	687 rBV	549721	616442	38.43%	2.133%
42	9.973	687	690	693 rBV5	17065	45314	2.83%	0.157%
43	10.076	697	699	703 rBV5	45922	130527	8.14%	0.452%
44	10.179	707	708	710 rVB2	60498	55194	3.44%	0.191%
45	10.225	710	712	714 rBV3	62892	128137	7.99%	0.443%
46	10.328	719	721	722 rVV2	60749	67588	4.21%	0.234%
47	10.362	722	724	726 rVB3	74279	122325	7.63%	0.423%
48	10.408	726	728	729 rBV2	78415	95965	5.98%	0.332%
49	10.705	751	754	756 rBV	851355	971768	60.59%	3.362%
50	10.831	763	765	768 rVB3	119721	196521	12.25%	0.680%
51	10.899	769	771	772 rBV2	87901	113952	7.10%	0.394%
52	11.402	812	815	816 rBV	422599	488953	30.48%	1.692%
53	11.471	819	821	823 rVB	149800	150417	9.38%	0.520%
54	11.642	834	836	838 rBV	235412	339654	21.18%	1.175%
55	11.699	839	841	842 rVV	186201	195915	12.21%	0.678%
56	11.756	844	846	849 rVB	278401	297144	18.53%	1.028%
57	11.905	857	859	863 rBV2	256614	614141	38.29%	2.125%
58	11.974	863	865	867 rVV2	211888	345017	21.51%	1.194%
59	12.019	867	869	870 rVV	295324	350621	21.86%	1.213%
60	12.054	870	872	873 rVB2	325221	348374	21.72%	1.205%
61	12.168	880	882	885 rVB	672696	876160	54.63%	3.031%
62	12.259	888	890	892 rBV2	253700	305160	19.03%	1.056%
63	12.305	892	894	895 rVB2	209242	270820	16.88%	0.937%
64	12.397	899	902	904 rVB3	155931	306890	19.13%	1.062%
65	12.454	905	907	908 rBV2	252773	313762	19.56%	1.085%
66	12.545	913	915	917 rBV2	188545	300313	18.72%	1.039%
67	12.614	919	921	923 rBV	438757	449794	28.04%	1.556%
68	12.842	939	941	945 rVB	666225	955760	59.59%	3.307%
69	12.899	945	946	948 rVV	107542	141840	8.84%	0.491%
70	12.979	952	953	958 rVV	690491	1050835	65.52%	3.635%
71	13.059	958	960	964 rVB2	195791	290420	18.11%	1.005%

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72	13.117	964	965	966	rBV	96717	84545	5.27%	0.292%
73	13.174	966	970	971	rVB	403581	610630	38.07%	2.113%
74	13.242	974	976	977	rVV	225712	245711	15.32%	0.850%
75	13.277	977	979	983	rVB	347822	373743	23.30%	1.293%
76	13.368	985	987	989	rVV	270945	322708	20.12%	1.116%
77	13.402	989	990	991	rVB	212873	145924	9.10%	0.505%
78	13.791	1021	1024	1025	rBV2	103064	186620	11.64%	0.646%
79	14.031	1042	1045	1047	rBV2	558197	908214	56.62%	3.142%
80	14.385	1075	1076	1077	rBV	95792	99095	6.18%	0.343%
81	14.431	1077	1080	1081	rVV	240526	423752	26.42%	1.466%
82	14.522	1084	1088	1089	rVV3	100098	208862	13.02%	0.723%
83	14.614	1094	1096	1098	rVB	85291	91624	5.71%	0.317%
84	14.911	1120	1122	1125	rVB2	49897	55398	3.45%	0.192%
85	15.071	1133	1136	1143	rVV	223504	530015	33.04%	1.834%
86	15.174	1143	1145	1147	rVB	95074	122668	7.65%	0.424%
87	15.357	1159	1161	1164	rVB	209575	248703	15.51%	0.860%
88	15.414	1164	1166	1169	rBV	261537	393926	24.56%	1.363%
89	15.483	1169	1172	1173	rBV	189983	264315	16.48%	0.914%
90	15.654	1185	1187	1188	rBV	26814	40309	2.51%	0.139%
91	15.791	1197	1199	1201	rBV	24056	30196	1.88%	0.104%
92	15.825	1201	1202	1206	rVB2	38461	55590	3.47%	0.192%
93	15.905	1207	1209	1211	rBV	26379	38321	2.39%	0.133%
94	15.951	1211	1213	1214	rBV	25311	33465	2.09%	0.116%
95	16.031	1218	1220	1222	rVB	45693	65198	4.06%	0.226%
96	16.911	1294	1297	1300	rVB	81159	157273	9.81%	0.544%
97	17.071	1309	1311	1314	rBV	22256	37517	2.34%	0.130%
98	17.346	1331	1335	1340	rVB	58037	136458	8.51%	0.472%
99	17.574	1352	1355	1364	rVV	27833	78048	4.87%	0.270%
100	17.711	1364	1367	1371	rVB4	9938	24173	1.51%	0.084%

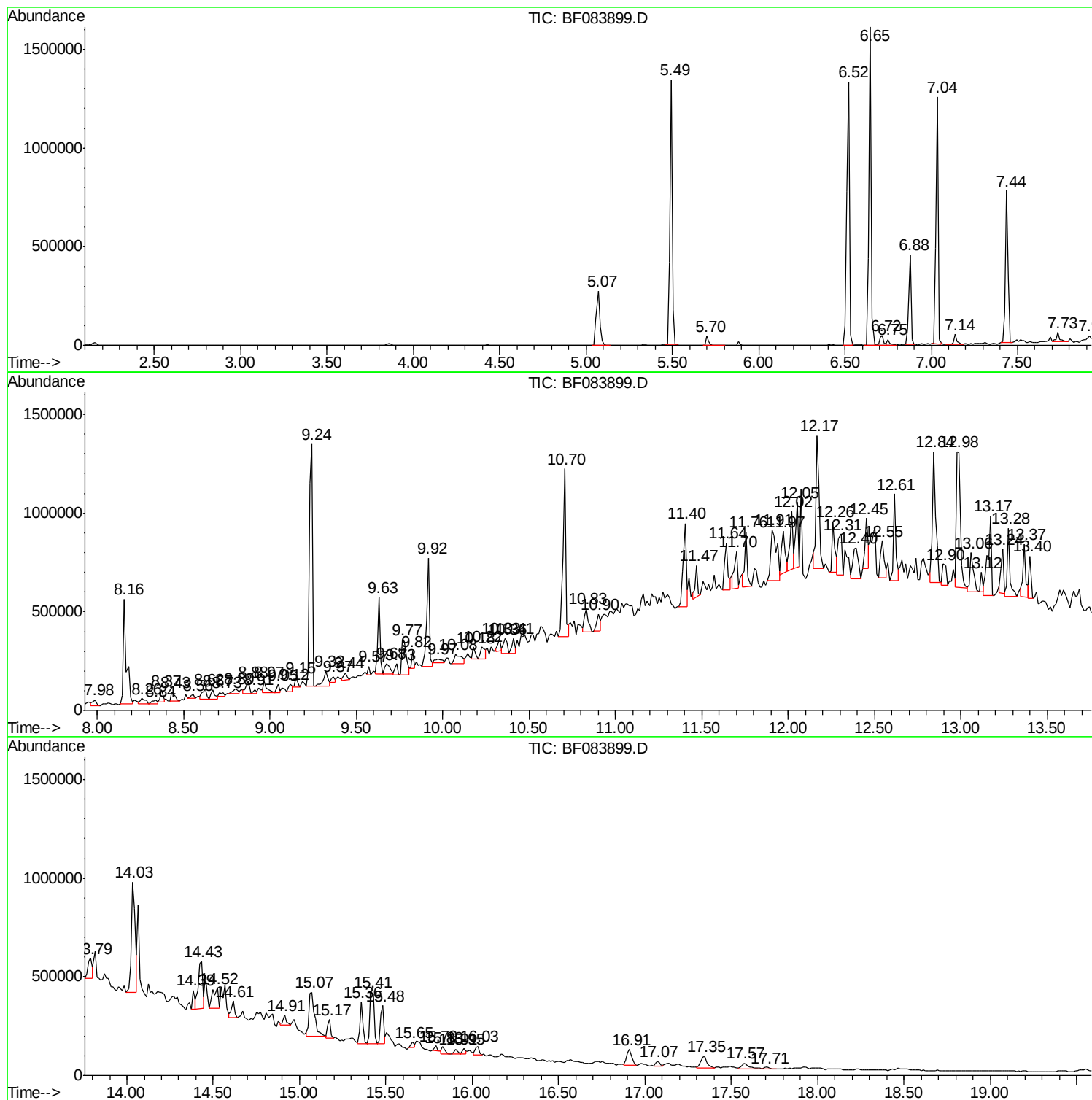
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TIC Library : C:\DATABASE\NIST02.L
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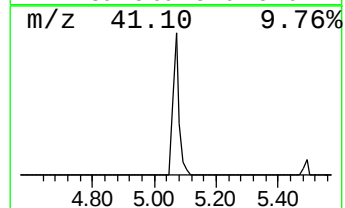
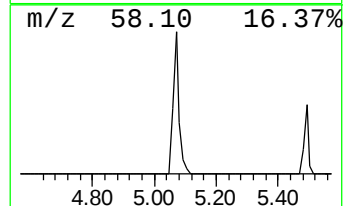
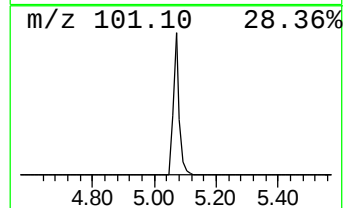
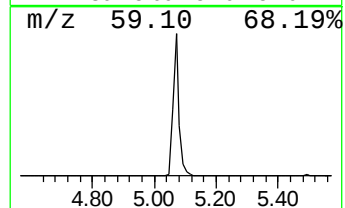
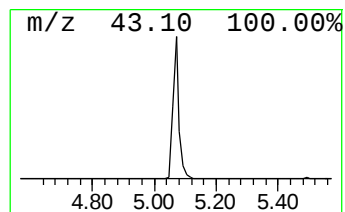
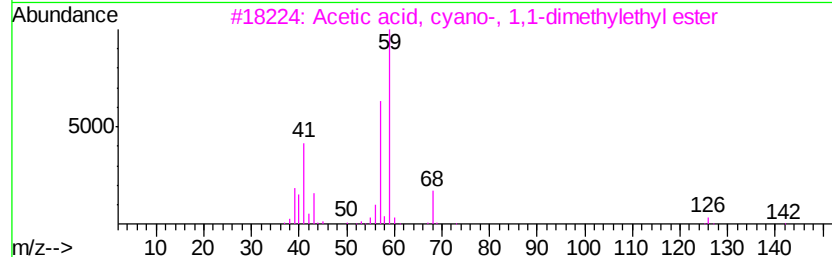
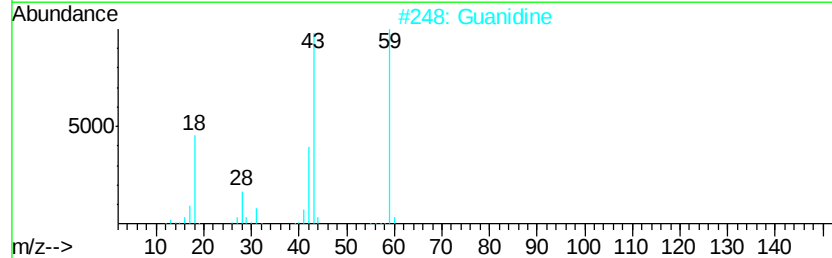
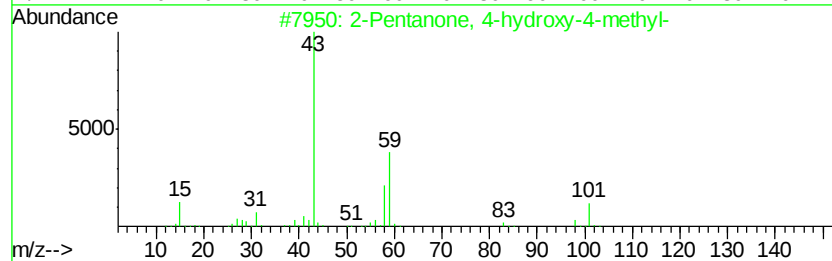
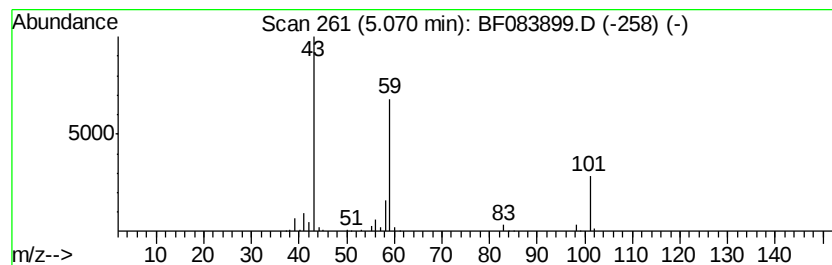
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	19.22 ng	370650	1,4-Dichlorobenzene-d4	6.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Guanidine	59	CH5N3	000113-00-8	43
3		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4		5-Hexen-2-one	98	C6H10O	000109-49-9	9
5		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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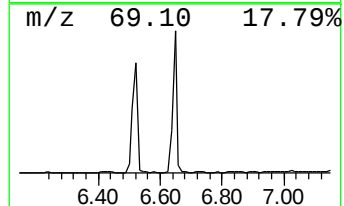
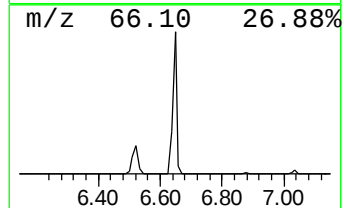
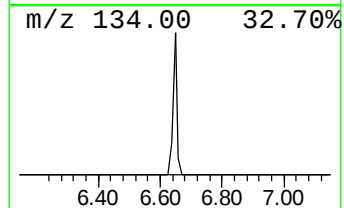
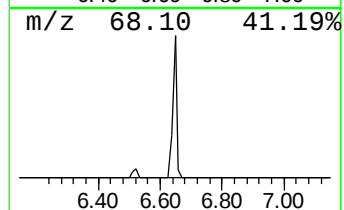
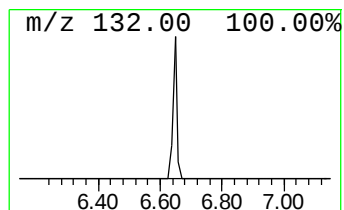
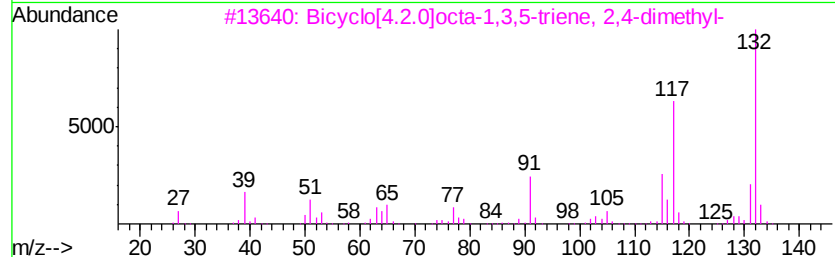
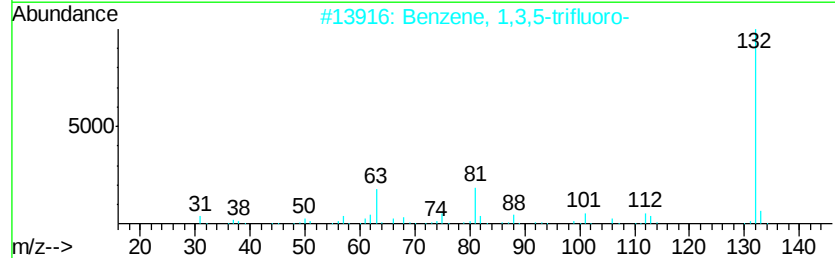
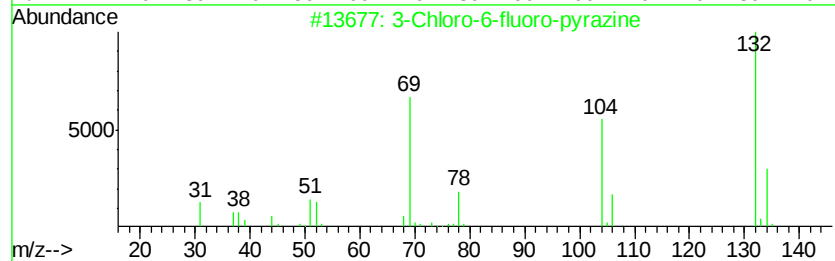
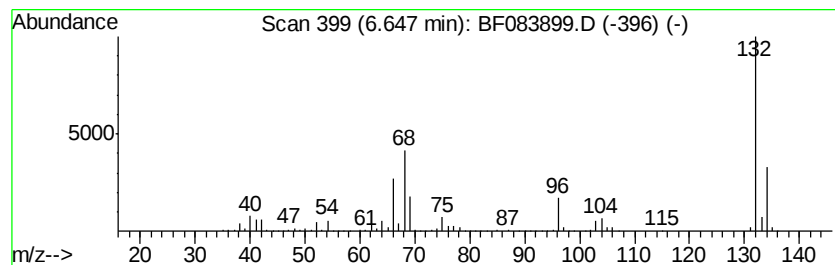
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	77.98 ng	1503840	1,4-Dichlorobenzene-d4	6.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	14
3		Bicyclo[4.2.0]octa-1,3,5-triene, ...	132	C10H12	028749-81-7	9
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



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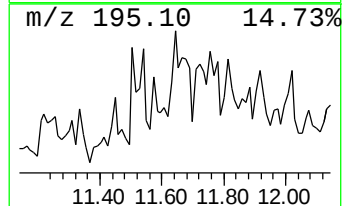
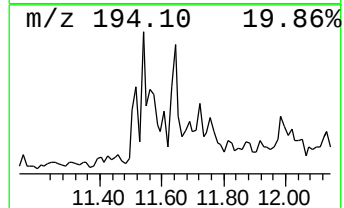
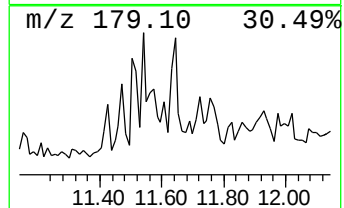
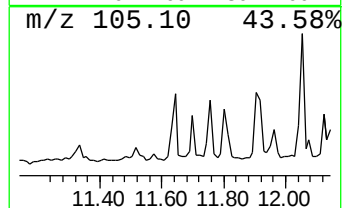
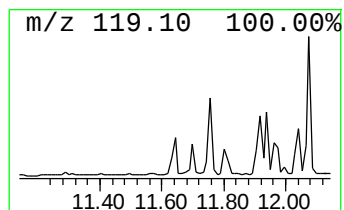
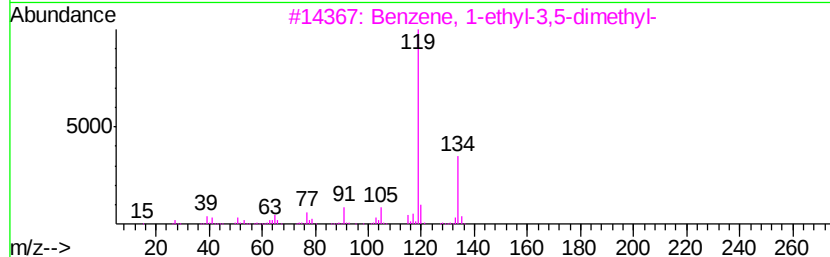
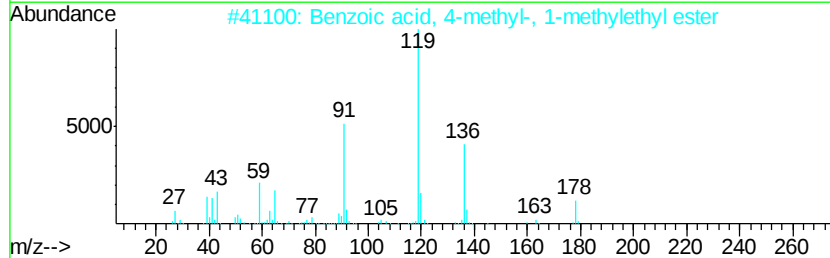
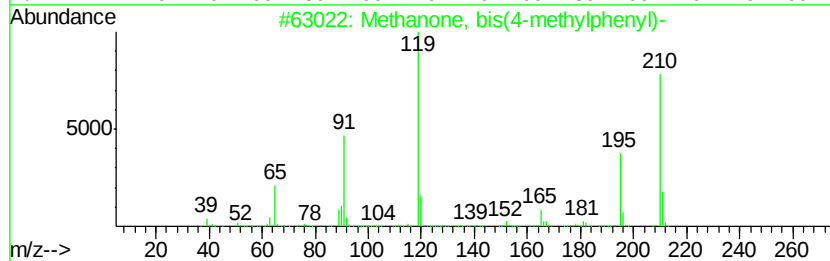
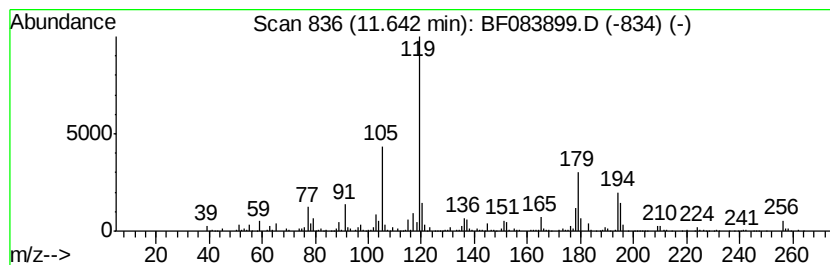
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Peak Number 4 unknown11.64 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	13.89 ng	339654	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methanone, bis(4-methylphenyl)-	210	C15H14O	000611-97-2	49
2		Benzoic acid, 4-methyl-, 1-methy...	178	C11H14O2	019277-55-5	47
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	46
4		Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	46
5		Butyric acid, 3-methyl-4-(2,5-xy...	206	C13H18O2	030275-76-4	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083899.D
Acq On : 18 Dec 2015 6:12
Operator : UM/SJ
Sample : G4739-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
K201-27-28

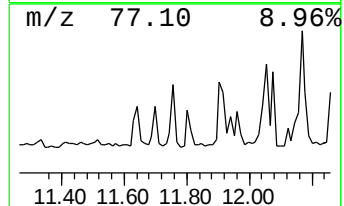
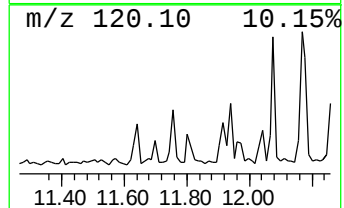
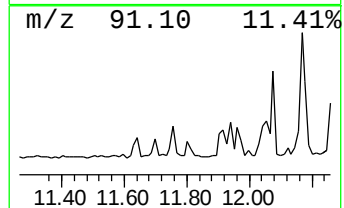
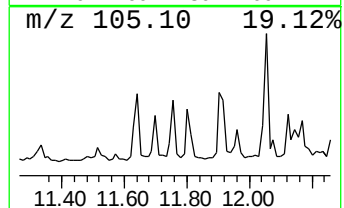
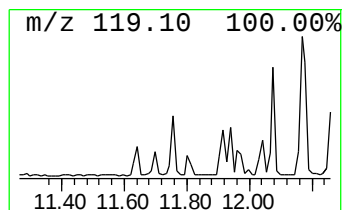
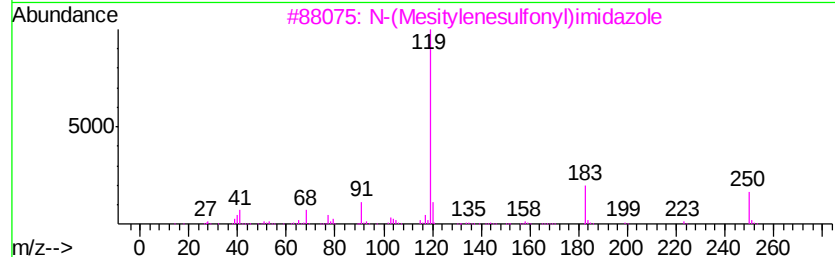
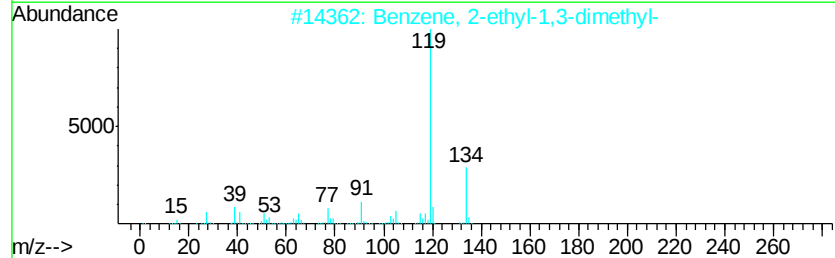
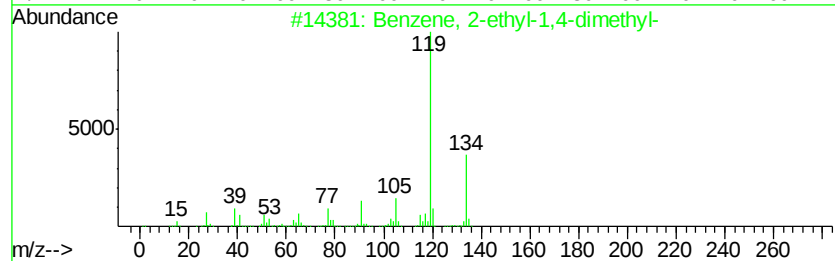
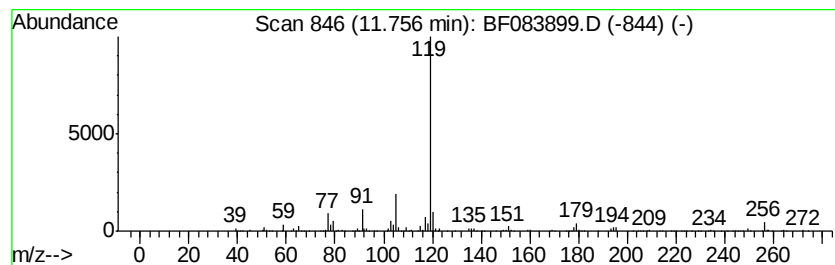
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	12.15 ng	297144	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	59
3		N-(Mesitylenesulfonyl)imidazole	250	C12H14N2O2S	050257-39-1	59
4		2,4-Dimethylbenzyl chloride	154	C9H11Cl	000824-55-5	59
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083899.D
Acq On : 18 Dec 2015 6:12
Operator : UM/SJ
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Misc :
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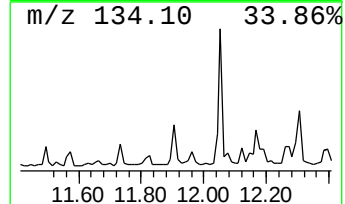
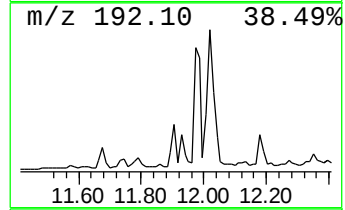
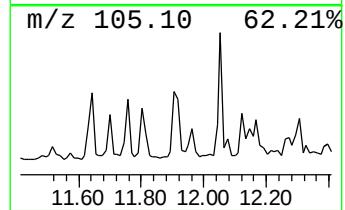
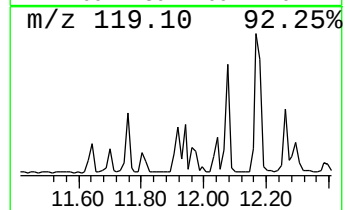
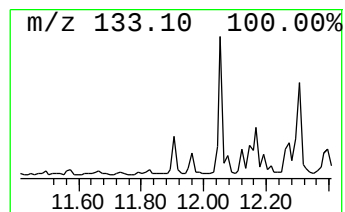
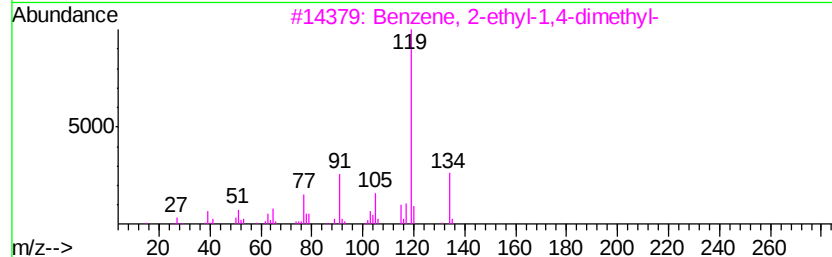
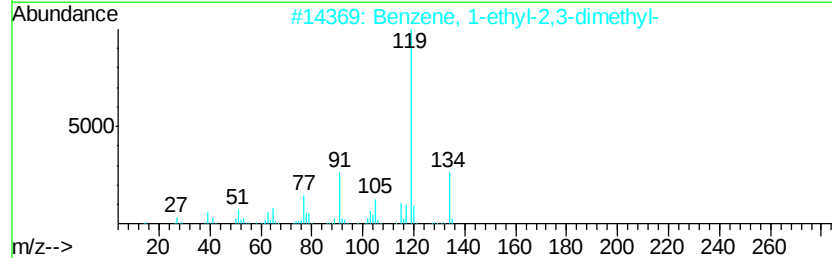
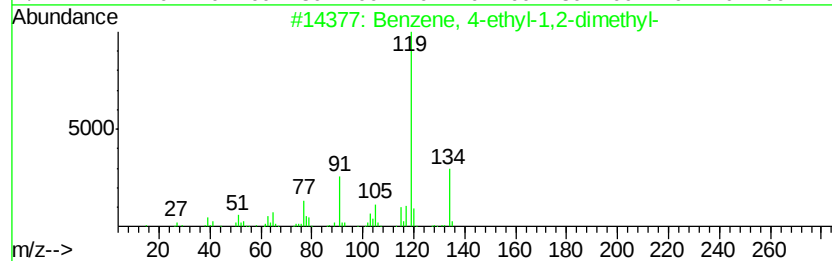
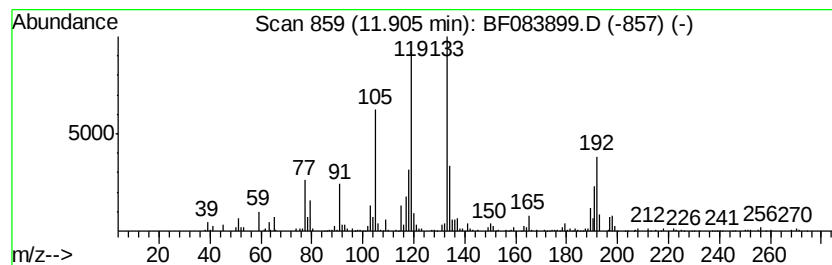
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown11.91 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.91	25.12 ng	614141	Phenanthrene-d10	11.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	42
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	42
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	42
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	42
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083899.D
Acq On : 18 Dec 2015 6:12
Operator : UM/SJ
Sample : G4739-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

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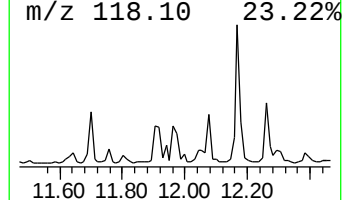
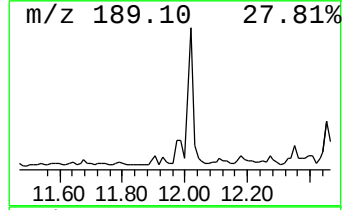
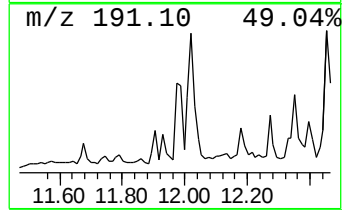
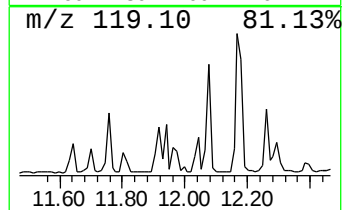
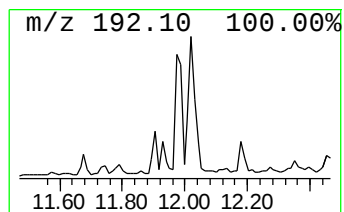
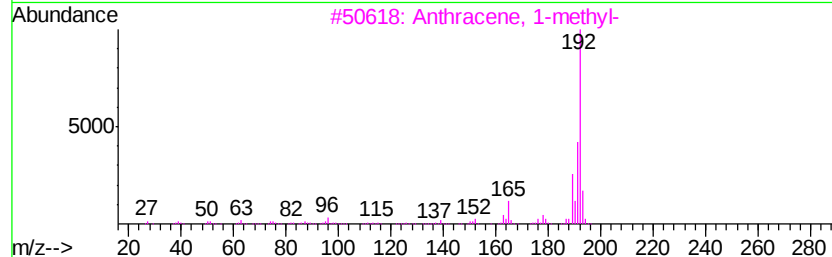
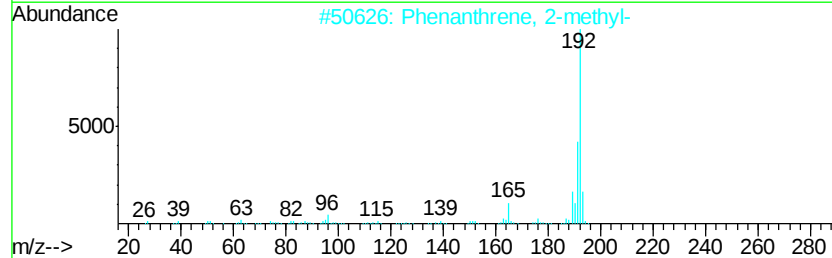
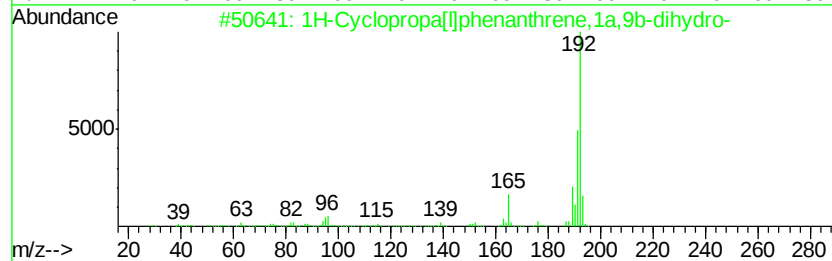
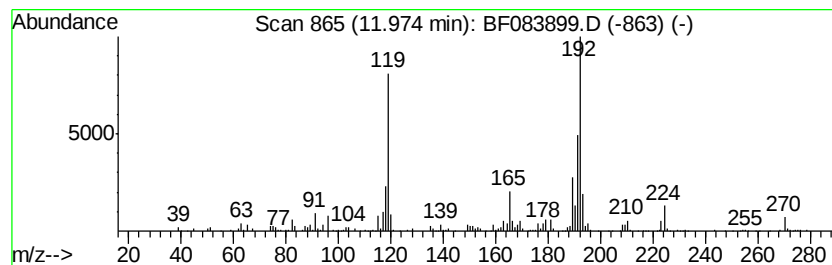
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	14.11 ng	345017	Phenanthrene-d10	11.40

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	87
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	56



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083899.D
Acq On : 18 Dec 2015 6:12
Operator : UM/SJ
Sample : G4739-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

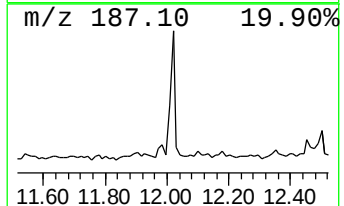
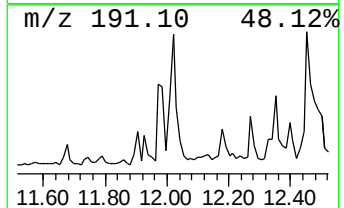
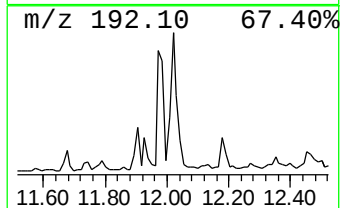
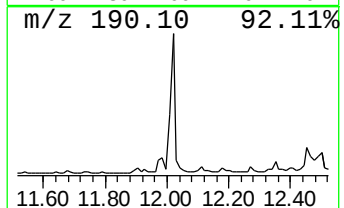
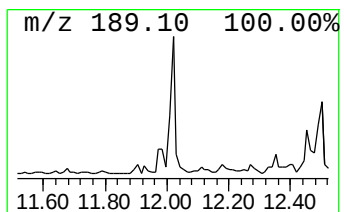
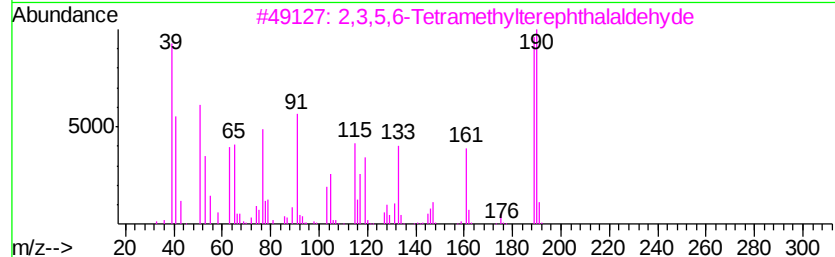
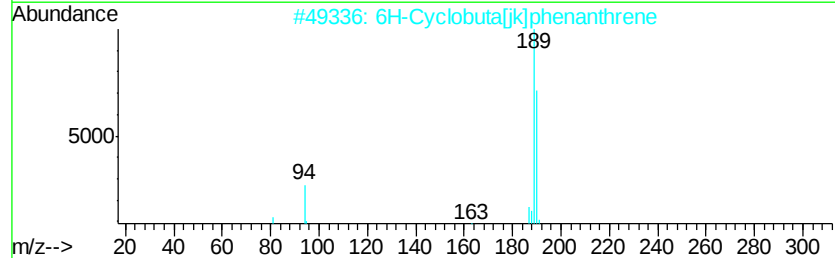
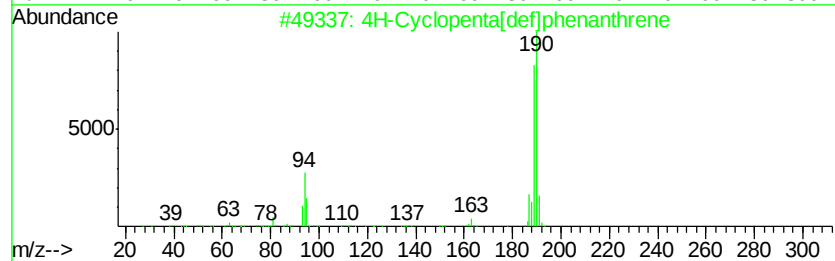
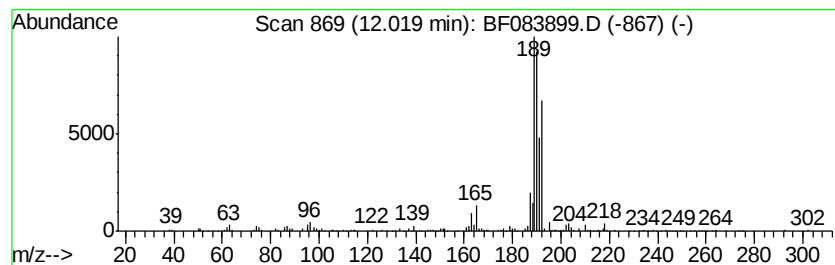
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.02	14.34 ng	350621	Phenanthrene-d10	11.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	52
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	46
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	25
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083899.D
Acq On : 18 Dec 2015 6:12
Operator : UM/SJ
Sample : G4739-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
K201-27-28

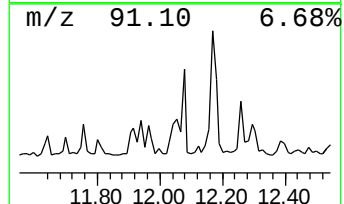
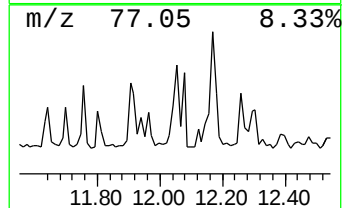
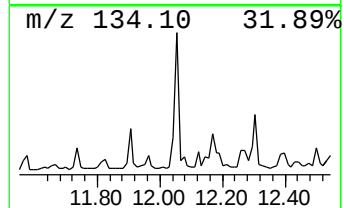
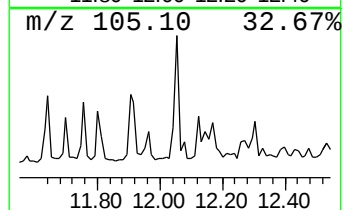
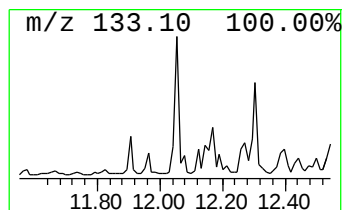
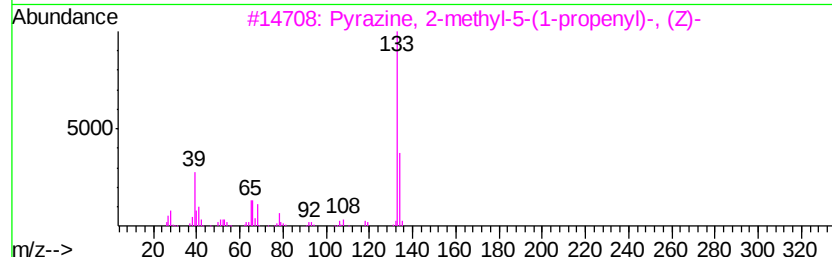
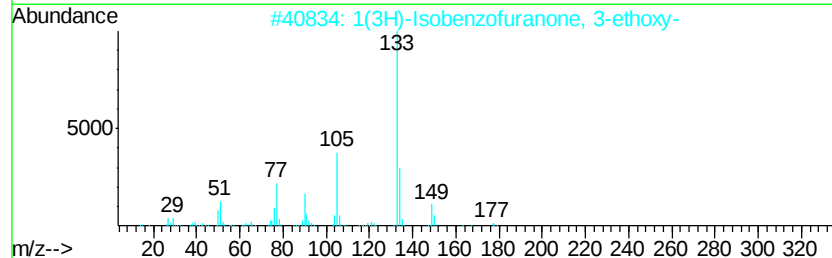
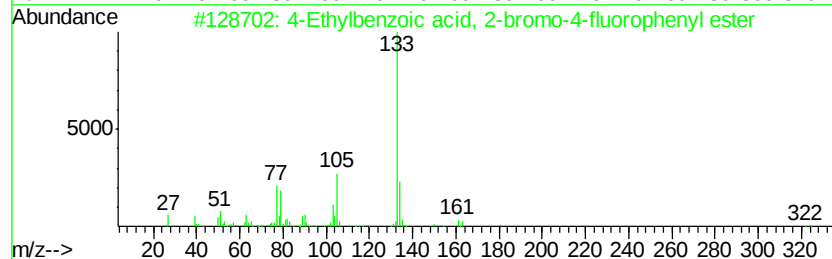
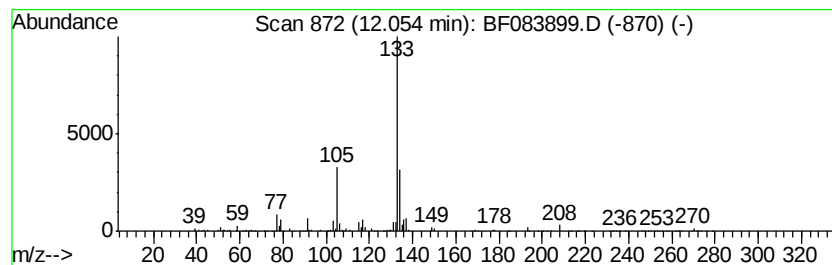
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4-Ethylbenzoic acid, 2-brom... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	14.25 ng	348374	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Ethylbenzoic acid, 2-bromo-4-f...	322	C15H12BrF02	1000293-61-1	64
2		1(3H)-Isobenzofuranone, 3-ethoxy-	178	C10H10O3	016824-02-5	64
3		Pyrazine, 2-methyl-5-(1-propenyl)...	134	C8H10N2	055138-66-4	53
4		Pyrazine, 2-methyl-5-(2-propenyl)-	134	C8H10N2	055138-63-1	53
5		Pyrazine, 2-methyl-6-(1-propenyl)...	134	C8H10N2	055138-67-5	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
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Acq On : 18 Dec 2015 6:12
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ClientSampleId :
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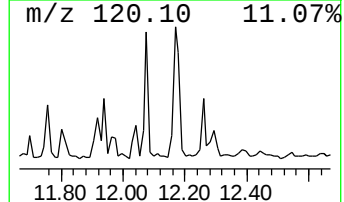
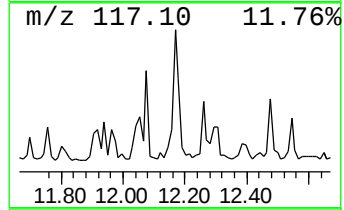
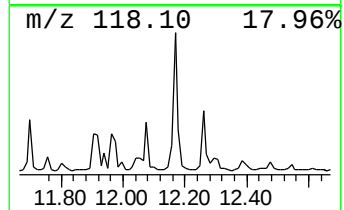
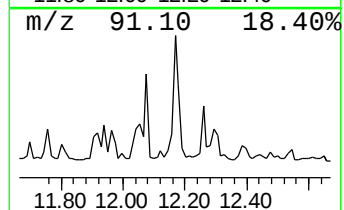
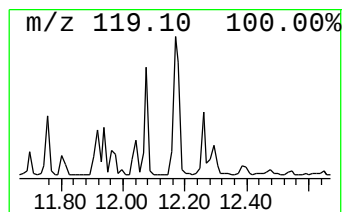
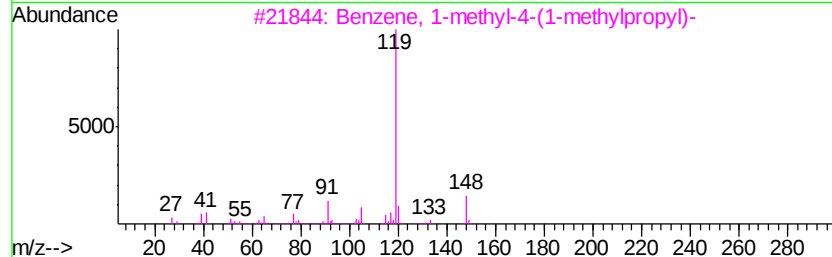
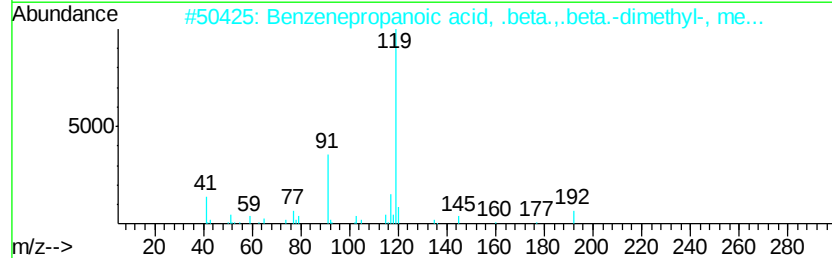
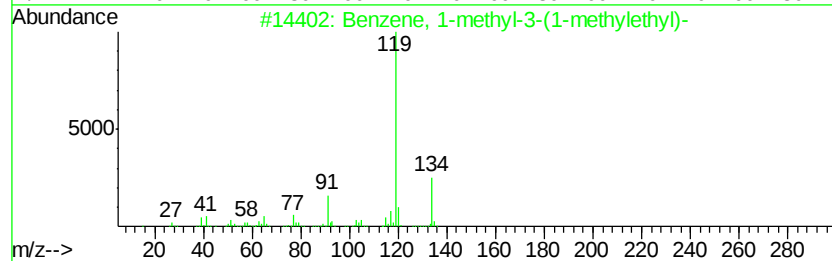
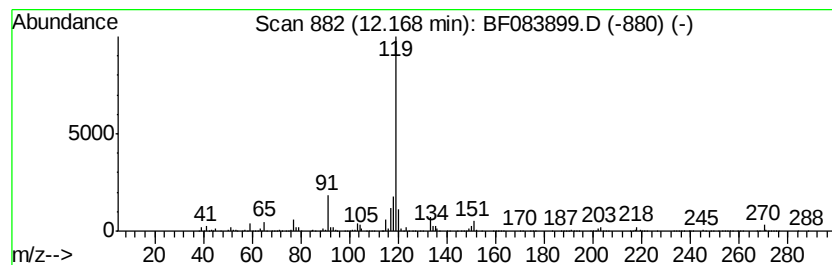
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzene, 1-methyl-3-(1-meth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	35.84 ng	876160	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	81
2		Benzenepropanoic acid, .beta.,.b...	192	C12H16O2	025080-84-6	72
3		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	72
4		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	72
5		Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083899.D
Acq On : 18 Dec 2015 6:12
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ALS Vial : 20 Sample Multiplier: 1

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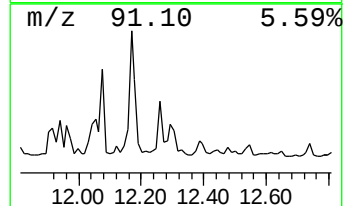
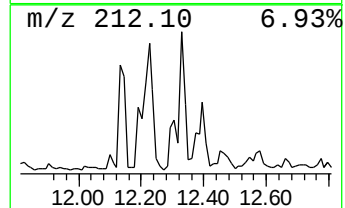
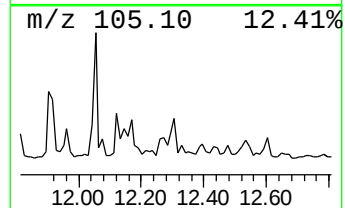
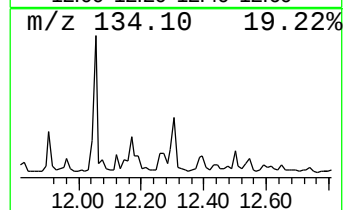
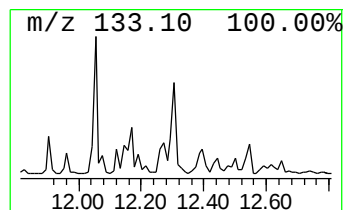
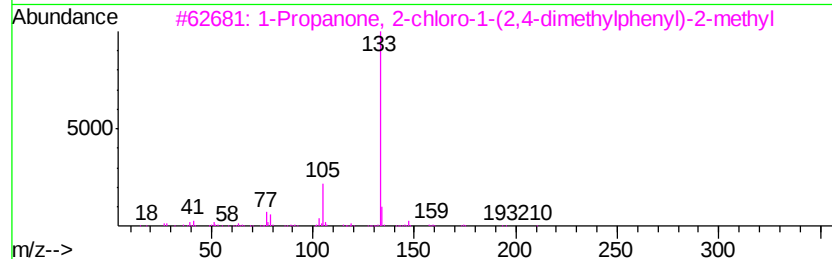
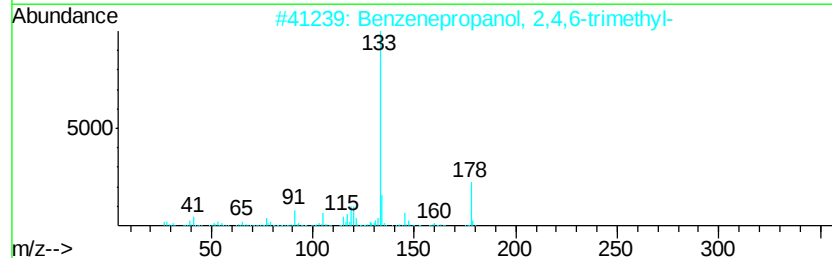
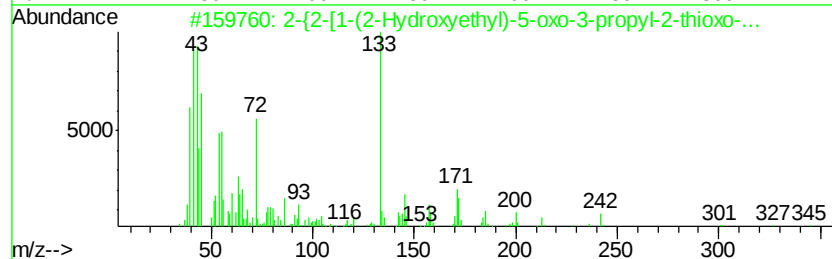
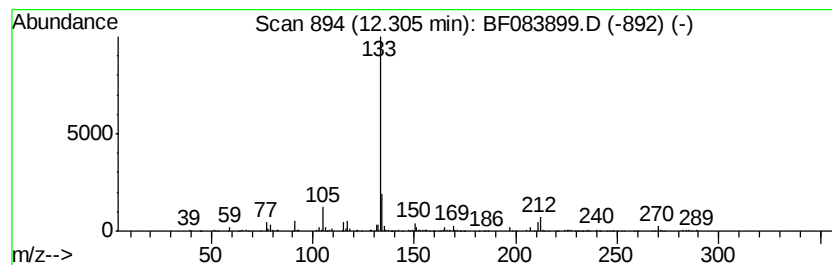
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown12.31 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	11.08 ng	270820	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-{2-[1-(2-Hydroxyethyl)-5-oxo-3...	417	C20H23N3O5S	1000224-26-4	47
2		Benzenepropanol, 2,4,6-trimethyl-	178	C12H18O	027645-07-4	45
3		1-Propanone, 2-chloro-1-(2,4-dim...	210	C12H15ClO	054965-53-6	45
4		2(5H)-Furanone, 3,4-dichloro-5-h...	168	C4H2Cl2O3	000766-40-5	43
5		2-Bromomethyl-1,3,5-trimethylben...	212	C10H13Br	004761-00-6	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083899.D
Acq On : 18 Dec 2015 6:12
Operator : UM/SJ
Sample : G4739-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

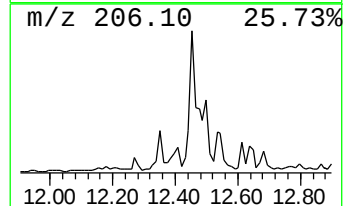
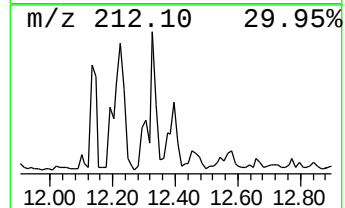
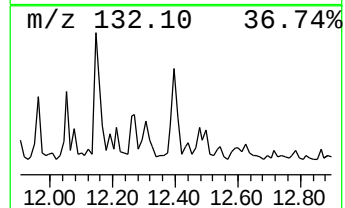
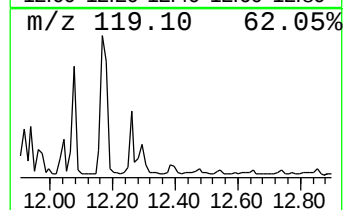
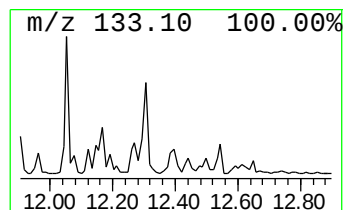
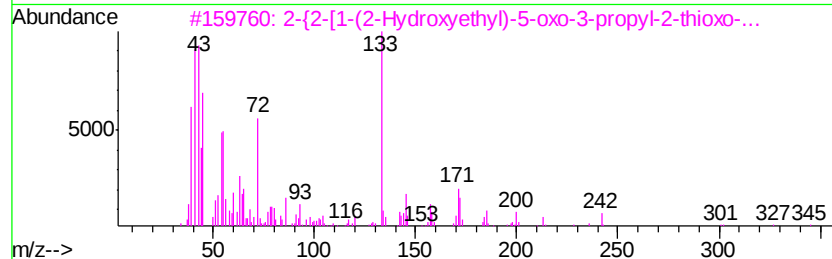
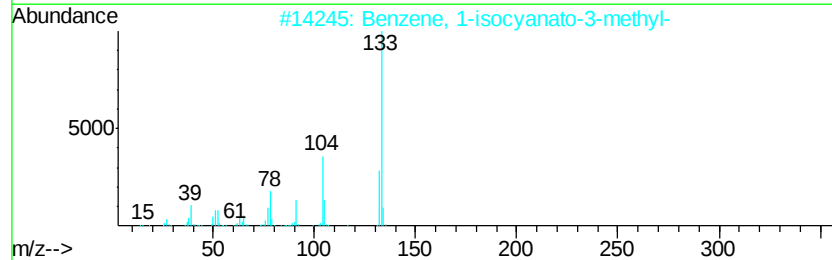
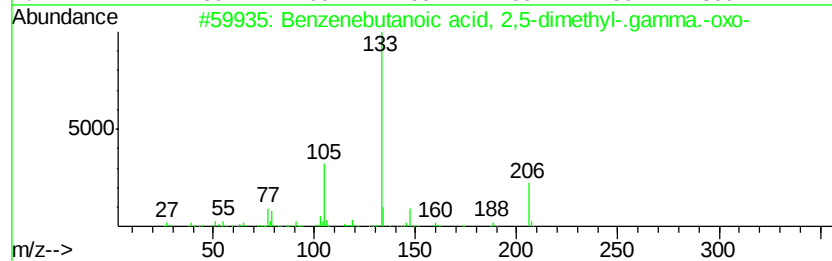
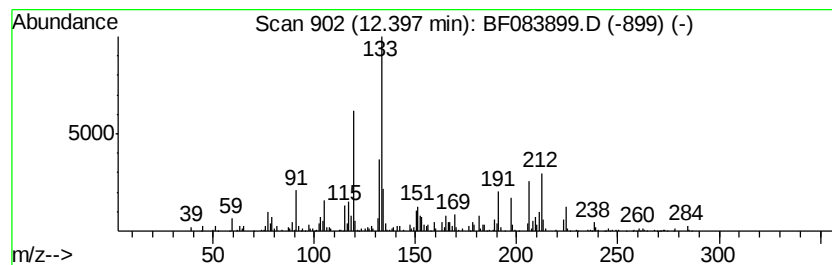
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown12.40 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.40	12.55 ng	306890	Phenanthrene-d10	11.40		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzenebutanoic acid, 2,5-dimeth...	206	C12H14O3	005394-59-2	38
2		Benzene, 1-isocyanato-3-methyl-	133	C8H7NO	000621-29-4	30
3		2-{2-[1-(2-Hydroxyethyl)-5-oxo-3...	417	C20H23N3O5S	1000224-26-4	30
4		4-Ethylbenzoic acid, 2-isopropox...	284	C18H20O3	1000293-61-3	27
5		Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
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Acq On : 18 Dec 2015 6:12
Operator : UM/SJ
Sample : G4739-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleID :
K201-27-28

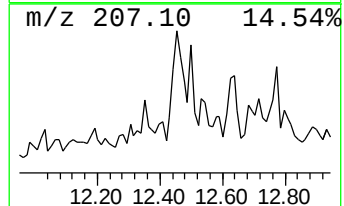
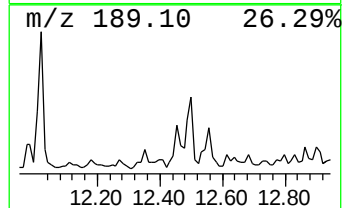
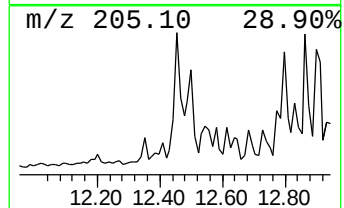
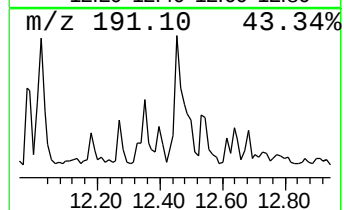
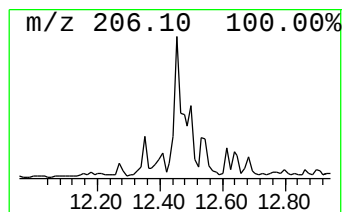
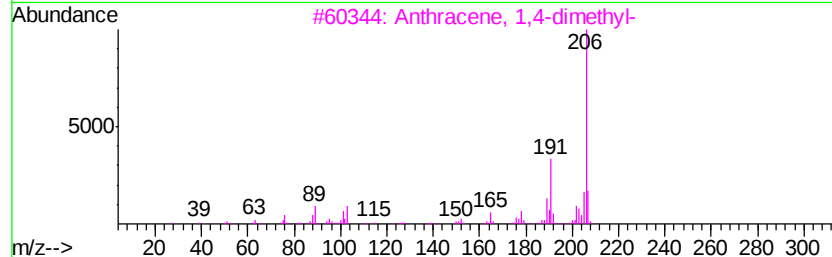
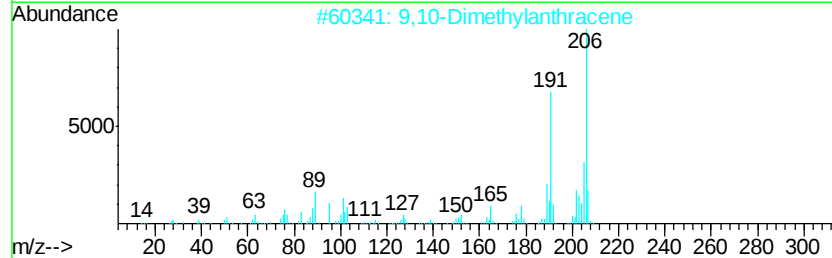
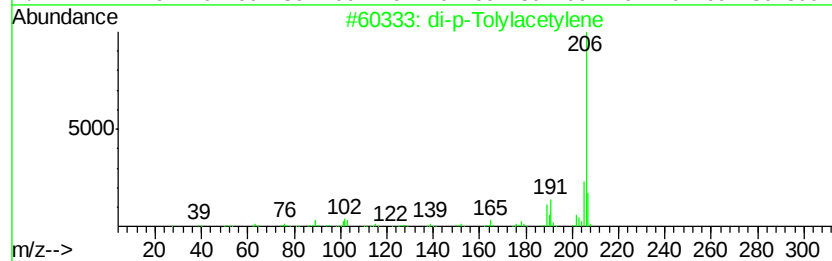
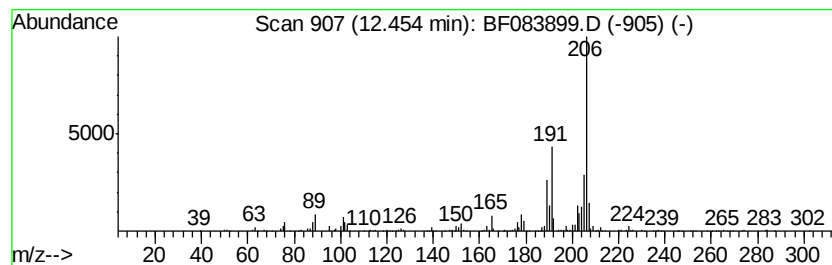
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 di-p-Tolylacetylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	12.83 ng	313762	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
3		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
4		Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	90
5		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
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Acq On : 18 Dec 2015 6:12
Operator : UM/SJ
Sample : G4739-16
Misc :
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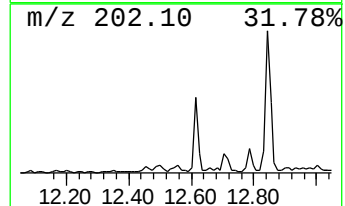
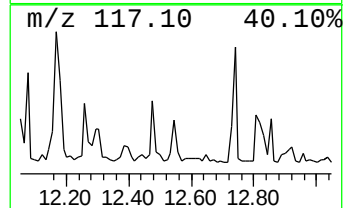
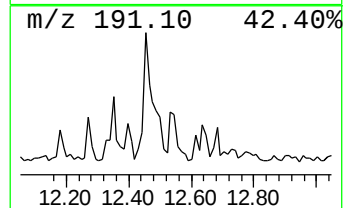
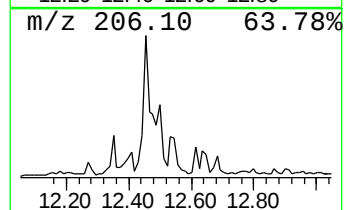
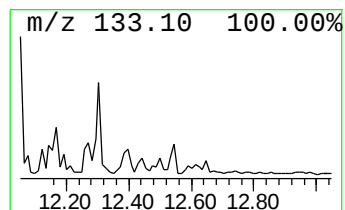
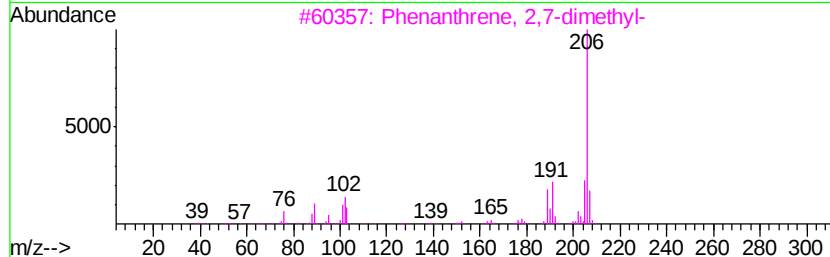
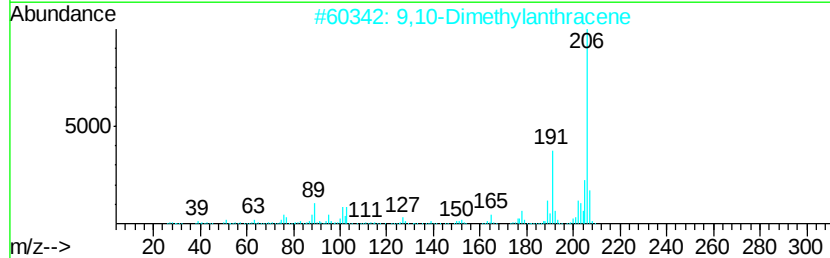
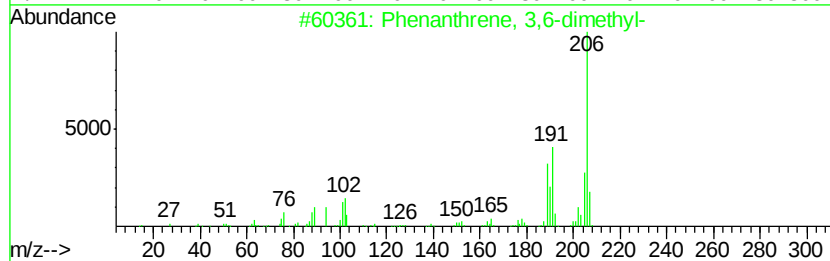
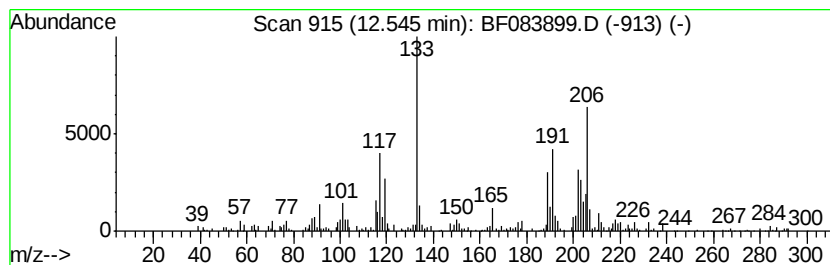
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown12.55 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.55	12.28 ng	300313	Phenanthrene-d10	11.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	47
2	9,10-Dimethylantracene	206	C16H14	000781-43-1	43
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	38
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	38
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083899.D
Acq On : 18 Dec 2015 6:12
Operator : UM/SJ
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Misc :
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Instrument :
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ClientSampleId :
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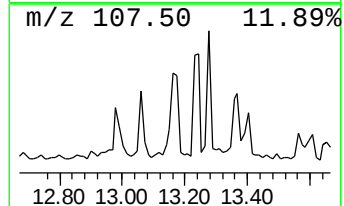
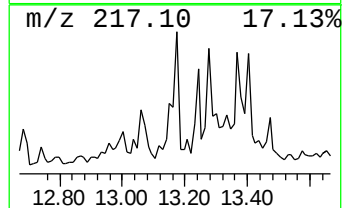
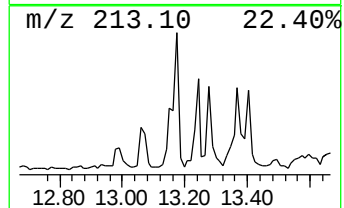
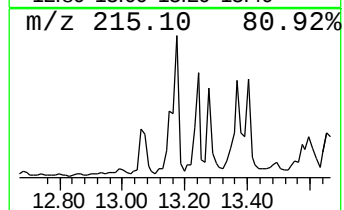
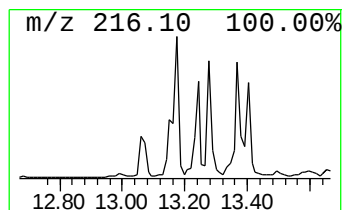
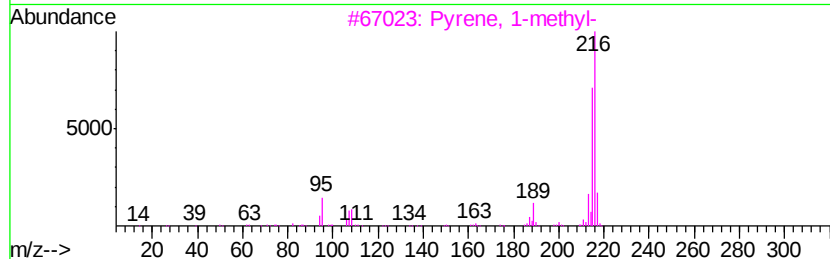
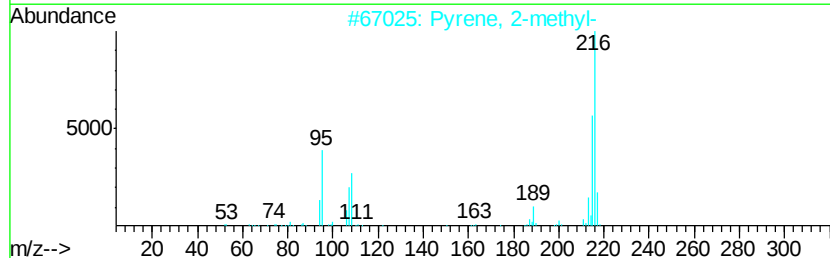
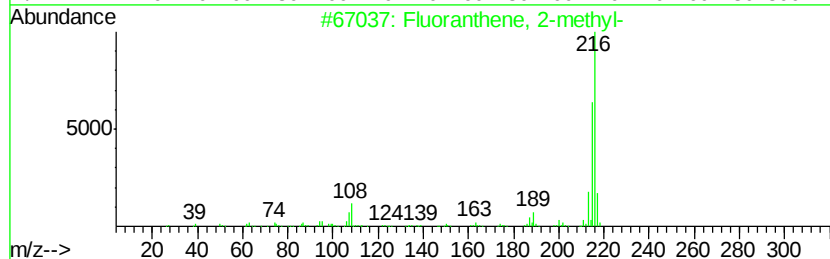
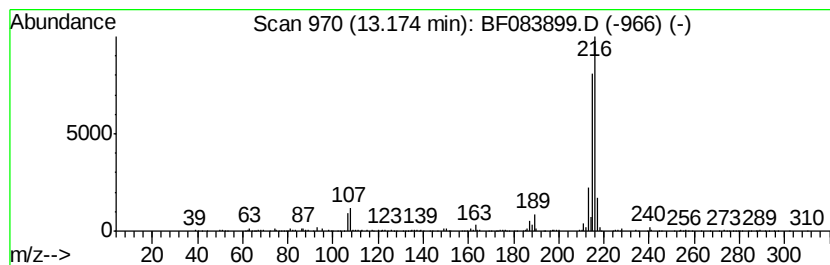
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	13.45 ng	610630	Chrysene-d12	14.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083899.D
Acq On : 18 Dec 2015 6:12
Operator : UM/SJ
Sample : G4739-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
K201-27-28

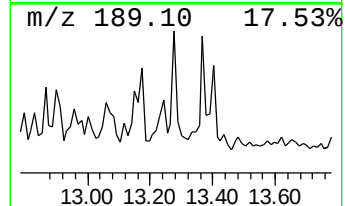
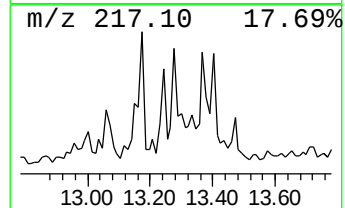
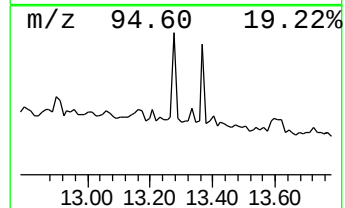
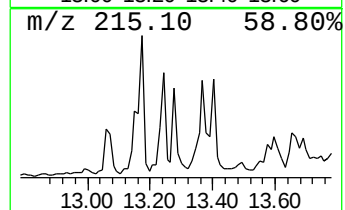
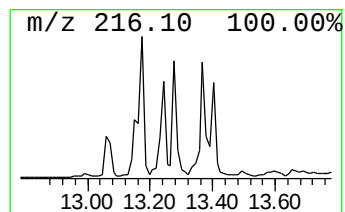
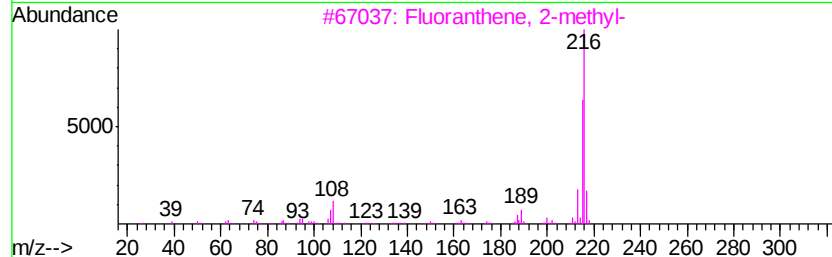
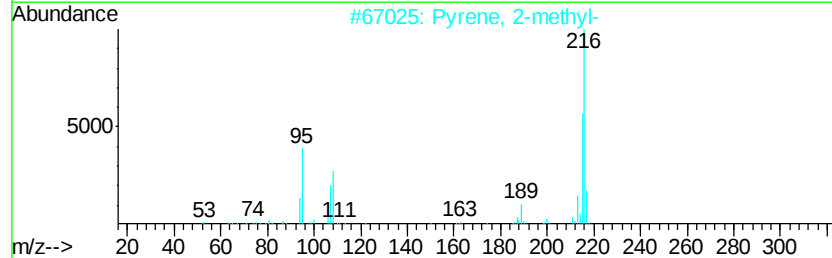
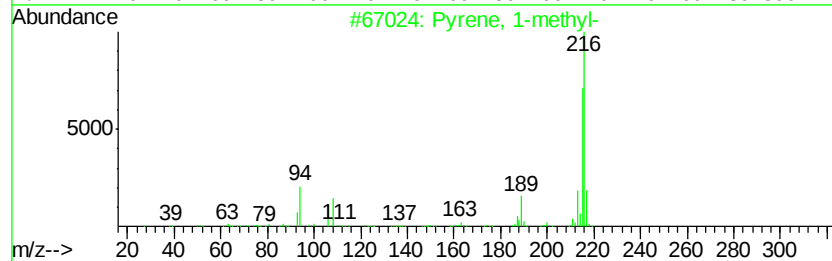
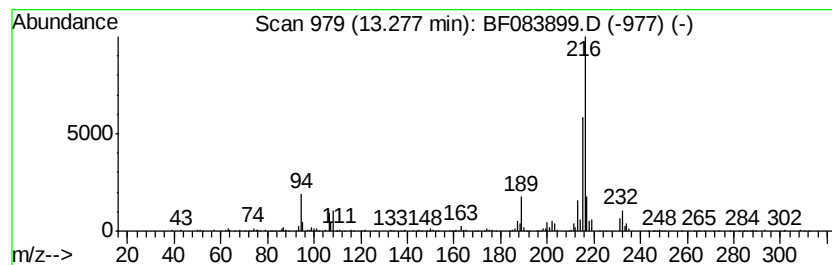
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	8.23 ng	373743	Chrysene-d12	14.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
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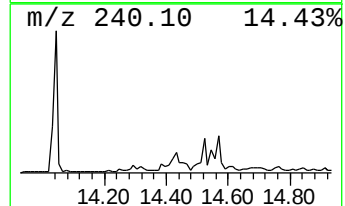
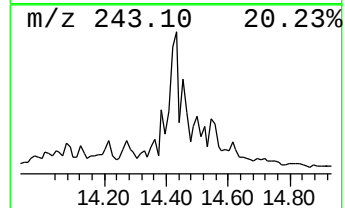
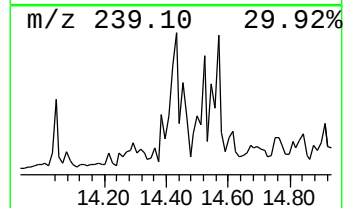
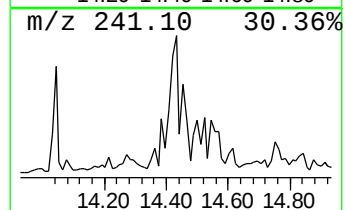
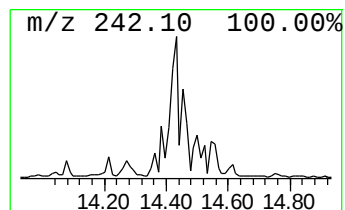
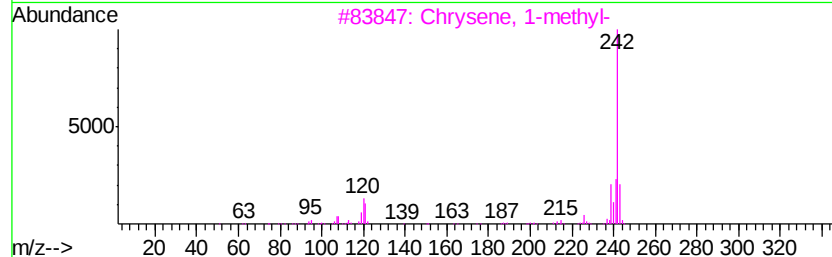
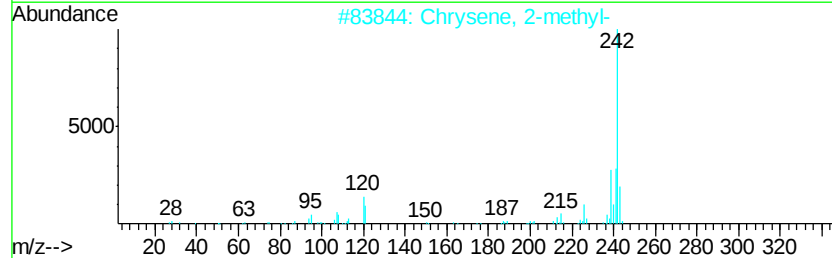
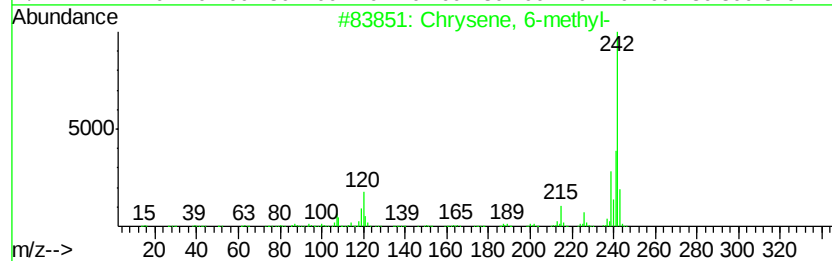
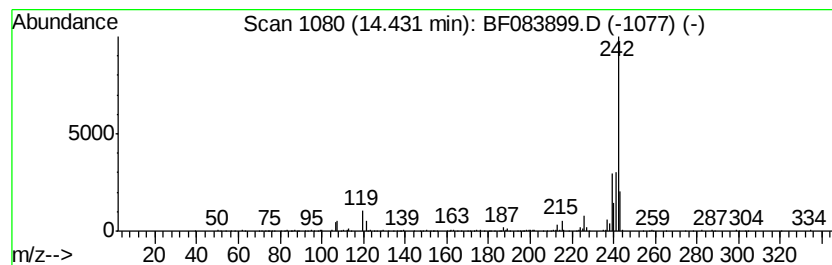
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Chrysene, 6-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	9.33 ng	423752	Chrysene-d12	14.04
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Chrysene, 6-methyl-	242 C19H14	003697-24-3 90
2		Chrysene, 2-methyl-	242 C19H14	003351-32-4 90
3		Chrysene, 1-methyl-	242 C19H14	003351-28-8 87
4		Benz[a]anthracene, 7-methyl-	242 C19H14	002541-69-7 87
5		Triphenylene, 2-methyl-	242 C19H14	001705-84-6 81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
 Data File : BF083899.D
 Acq On : 18 Dec 2015 6:12
 Operator : UM/SJ
 Sample : G4739-16
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K201-27-28

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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
2-Pentanone, 4-hy...	5.07	19.2	ng	370650	1	6.88	385681	20.0
unknown6.65	6.65	78.0	ng	1503840	1	6.88	385681	20.0
unknown11.64	11.64	13.9	ng	339654	4	11.40	488953	20.0
Benzene, 2-ethyl-...	11.76	12.2	ng	297144	4	11.40	488953	20.0
unknown11.91	11.91	25.1	ng	614141	4	11.40	488953	20.0
1H-Cyclopropa[l]p...	11.97	14.1	ng	345017	4	11.40	488953	20.0
4H-Cyclopenta[def...	12.02	14.3	ng	350621	4	11.40	488953	20.0
4-Ethylbenzoic ac...	12.05	14.3	ng	348374	4	11.40	488953	20.0
Benzene, 1-methyl...	12.17	35.8	ng	876160	4	11.40	488953	20.0
unknown12.31	12.31	11.1	ng	270820	4	11.40	488953	20.0
unknown12.40	12.40	12.6	ng	306890	4	11.40	488953	20.0
di-p-Tolylacetylene	12.45	12.8	ng	313762	4	11.40	488953	20.0
unknown12.55	12.55	12.3	ng	300313	4	11.40	488953	20.0
Fluoranthene, 2-m...	13.17	13.4	ng	610630	5	14.04	908214	20.0
Pyrene, 1-methyl-	13.28	8.2	ng	373743	5	14.04	908214	20.0
Chrysene, 6-methyl-	14.43	9.3	ng	423752	5	14.04	908214	20.0