

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112515\
 Data File : BF083287.D
 Acq On : 25 Nov 2015 21:49
 Operator : UM/IZ
 Sample : G4567-03 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-COMPOSITE3

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-BF112115.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	4.684	234	236	248	rBV	386259	681205	13.21%	0.757%
2	5.176	277	279	288	rBV	824307	1148796	22.28%	1.277%
3	5.370	293	296	303	rBV2	407878	575727	11.16%	0.640%
4	6.250	371	373	376	rVV	1246523	1240099	24.05%	1.378%
5	6.353	380	382	385	rVV	1058747	1182299	22.93%	1.314%
6	6.422	385	388	390	rVV2	576248	711853	13.80%	0.791%
7	6.582	400	402	405	rVV	959200	977122	18.95%	1.086%
8	6.742	414	416	417	rVV	1009134	896204	17.38%	0.996%
9	6.765	417	418	421	rVB	423515	369869	7.17%	0.411%
10	6.845	423	425	430	rBV	337050	465504	9.03%	0.517%
11	7.153	450	452	456	rVB	883553	846350	16.41%	0.941%
12	7.450	475	478	481	rBV2	257037	419642	8.14%	0.466%
13	7.633	490	494	495	rBV2	198495	308850	5.99%	0.343%
14	7.679	495	498	502	rVB2	120882	387229	7.51%	0.430%
15	7.896	513	517	519	rBV2	1627921	2655748	51.50%	2.952%
16	8.319	552	554	558	rBV3	220724	404539	7.84%	0.450%
17	8.525	570	572	575	rVB2	149423	257109	4.99%	0.286%
18	8.593	575	578	579	rBV2	572590	804492	15.60%	0.894%
19	8.685	584	586	590	rVB	734490	694076	13.46%	0.772%
20	8.959	608	610	612	rVB	1017762	1093024	21.20%	1.215%
21	9.050	612	618	621	rBV4	256756	664958	12.89%	0.739%
22	9.153	625	627	629	rVB2	180431	304199	5.90%	0.338%
23	9.211	630	632	634	rVB	262253	328173	6.36%	0.365%
24	9.245	634	635	637	rBV2	235002	256140	4.97%	0.285%
25	9.291	637	639	640	rVV	358528	418484	8.11%	0.465%
26	9.359	642	645	647	rVV3	670008	1305097	25.31%	1.451%
27	9.405	647	649	654	rVB2	207770	341315	6.62%	0.379%
28	9.485	654	656	658	rBV	2218101	1996998	38.72%	2.220%
29	9.622	666	668	670	rVV	1390373	1438263	27.89%	1.599%
30	9.656	670	671	673	rVV	672212	557610	10.81%	0.620%
31	9.828	684	686	688	rVV2	220744	404000	7.83%	0.449%
32	9.942	694	696	699	rBV2	361101	747117	14.49%	0.830%
33	10.022	702	703	706	rBV2	214453	344503	6.68%	0.383%
34	10.079	706	708	709	rVV	446817	508730	9.86%	0.566%

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Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.136	709	713	714	rVV2	316226	439996	8.53%	0.489%
36	10.171	714	716	719	rVV	365850	612658	11.88%	0.681%
37	10.228	719	721	723	rVV2	193345	355628	6.90%	0.395%
38	10.296	723	727	729	rVV3	424225	840648	16.30%	0.934%
39	10.342	729	731	733	rVV2	212374	320139	6.21%	0.356%
40	10.411	733	737	739	rVV2	628705	795023	15.42%	0.884%
41	10.559	746	750	752	rBV2	473601	904393	17.54%	1.005%
42	10.639	752	757	761	rBV4	171548	496782	9.63%	0.552%
43	10.708	761	763	765	rBV2	212072	355871	6.90%	0.396%
44	10.868	774	777	779	rBV3	205328	397516	7.71%	0.442%
45	10.914	779	781	783	rVB	208266	263938	5.12%	0.293%
46	10.994	786	788	789	rBV	311997	266228	5.16%	0.296%
47	11.028	789	791	794	rVB2	287036	399978	7.76%	0.445%
48	11.096	795	797	798	rBV	1090969	1001171	19.41%	1.113%
49	11.119	798	799	802	rVB	1601973	1440652	27.94%	1.601%
50	11.176	802	804	805	rVB	833702	986864	19.14%	1.097%
51	11.211	805	807	810	rBV2	181595	314916	6.11%	0.350%
52	11.371	819	821	824	rVV3	205138	354583	6.88%	0.394%
53	11.428	824	826	828	rVB2	213333	279657	5.42%	0.311%
54	11.508	831	833	835	rVB2	205906	292293	5.67%	0.325%
55	11.599	839	841	842	rBV	633335	584390	11.33%	0.650%
56	11.622	842	843	845	rVB	573287	574588	11.14%	0.639%
57	11.668	845	847	849	rVB	300107	447546	8.68%	0.497%
58	11.714	849	851	856	rVB	1063099	2008716	38.95%	2.233%
59	11.897	863	867	868	rBV2	293066	507912	9.85%	0.565%
60	12.045	877	880	881	rBV2	160291	268759	5.21%	0.299%
61	12.148	887	889	891	rBV	855202	1142516	22.15%	1.270%
62	12.182	891	892	895	rVV	680535	952876	18.48%	1.059%
63	12.228	895	896	901	rVV3	643433	1140558	22.12%	1.268%
64	12.308	901	903	905	rVV	3159376	3104414	60.20%	3.451%
65	12.354	905	907	909	rVV3	192569	339217	6.58%	0.377%
66	12.399	909	911	913	rVV	764508	791337	15.35%	0.880%
67	12.445	913	915	916	rVV2	266191	335008	6.50%	0.372%
68	12.468	916	917	920	rVV	365766	580849	11.26%	0.646%
69	12.537	920	923	925	rVV	4380546	5156968	100.00%	5.733%
70	12.594	926	928	930	rVB2	215853	292573	5.67%	0.325%
71	12.685	932	936	939	rVB2	917522	1417975	27.50%	1.576%

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72	12.754	939	942	945	rBV	669298	1027959	19.93%	1.143%
73	12.857	948	951	953	rVB	1016355	1893033	36.71%	2.104%
74	12.925	953	957	959	rBV	822041	1041251	20.19%	1.157%
75	12.959	959	960	964	rVB	935395	1038892	20.15%	1.155%
76	13.051	964	968	970	rBV	1034146	1570309	30.45%	1.746%
77	13.085	970	971	973	rVB	1044227	827070	16.04%	0.919%
78	13.268	982	987	991	rBV4	326710	961464	18.64%	1.069%
79	13.371	991	996	998	rVB3	317318	791746	15.35%	0.880%
80	13.474	1002	1005	1006	rBV3	491206	818892	15.88%	0.910%
81	13.714	1023	1026	1028	rBV2	2607885	4324130	83.85%	4.807%
82	13.862	1037	1039	1046	rVB5	270283	582683	11.30%	0.648%
83	14.114	1058	1061	1062	rVV	905131	1172260	22.73%	1.303%
84	14.148	1062	1064	1065	rVV	437635	498260	9.66%	0.554%
85	14.205	1065	1069	1070	rVV3	475742	731354	14.18%	0.813%
86	14.251	1070	1073	1075	rVB4	485298	1076895	20.88%	1.197%
87	14.720	1111	1114	1118	rBV	1798768	3407824	66.08%	3.788%
88	14.811	1119	1122	1124	rVB	668058	756254	14.66%	0.841%
89	14.971	1134	1136	1139	rBV	1229087	1514948	29.38%	1.684%
90	15.028	1139	1141	1143	rVV	2022990	2611269	50.64%	2.903%
91	15.085	1143	1146	1151	rVB3	688998	1701071	32.99%	1.891%
92	15.234	1157	1159	1160	rBV	161967	266586	5.17%	0.296%
93	15.554	1185	1187	1191	rVV	296369	418332	8.11%	0.465%
94	16.308	1249	1253	1256	rVB	801570	1350241	26.18%	1.501%
95	16.446	1262	1265	1267	rBV	169076	327033	6.34%	0.364%
96	16.491	1267	1269	1272	rVB2	127130	259515	5.03%	0.288%
97	16.674	1281	1285	1292	rVB	644092	1281394	24.85%	1.424%
98	16.868	1299	1302	1308	rVB	167979	402796	7.81%	0.448%
99	18.514	1442	1446	1453	rVB	138419	469976	9.11%	0.522%
100	19.509	1531	1533	1543	rVB	108285	336219	6.52%	0.374%

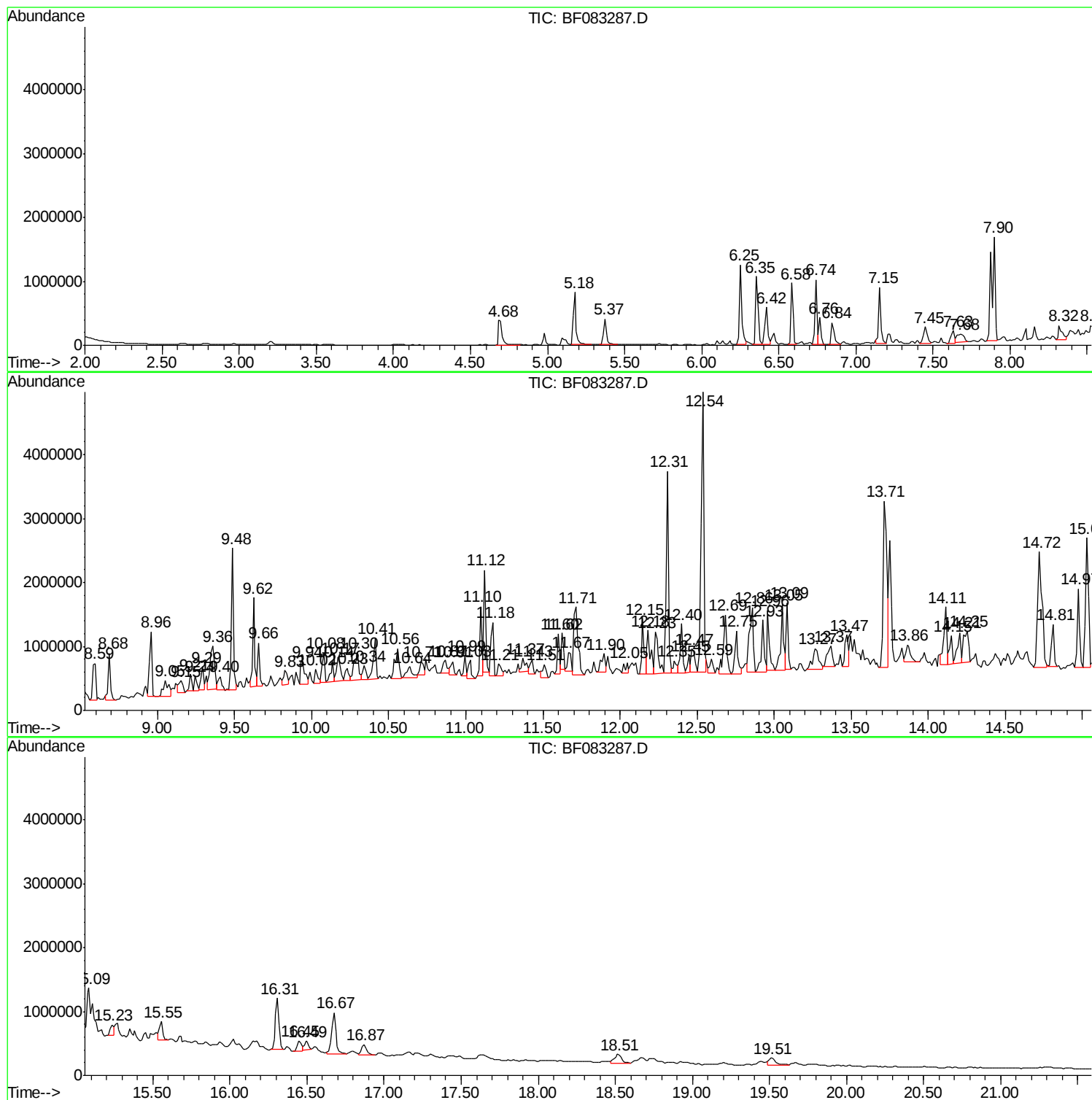
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ALS Vial : 14 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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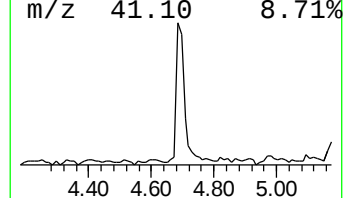
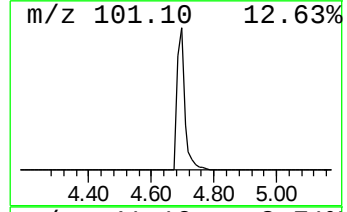
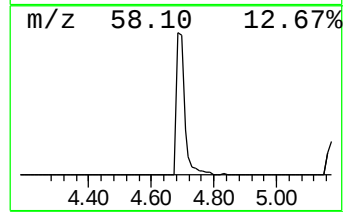
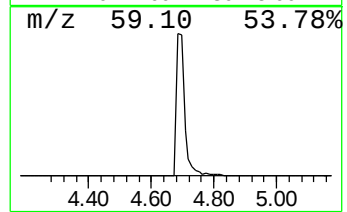
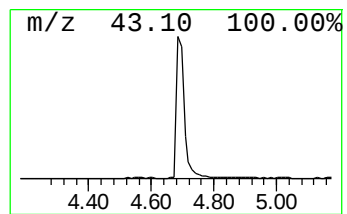
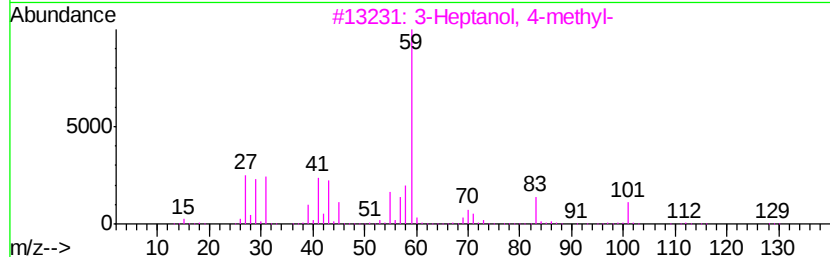
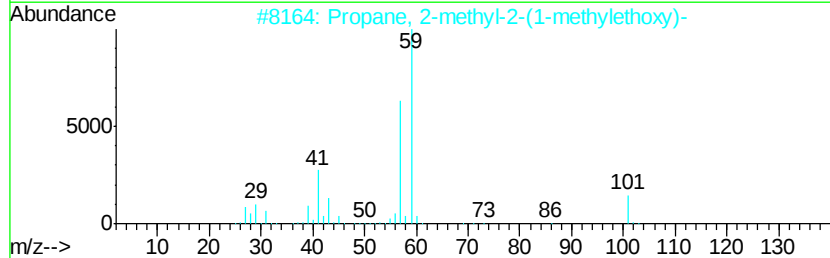
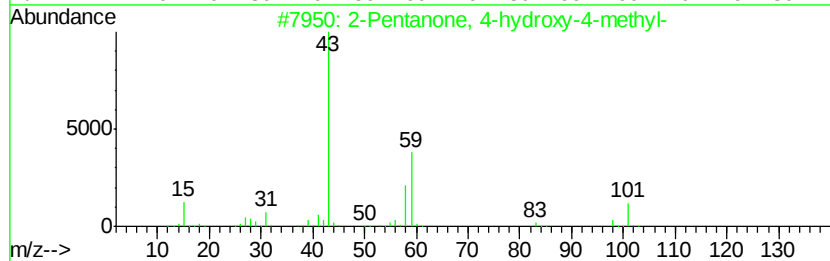
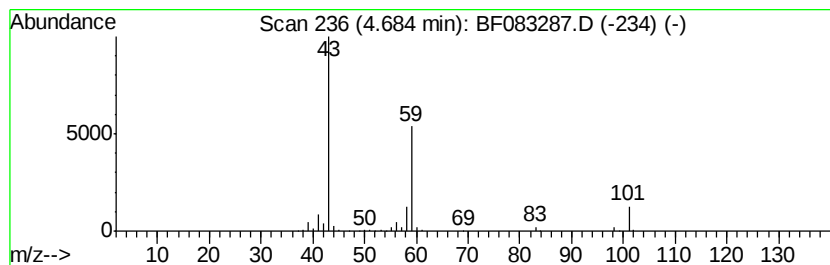
Quant Method : Z:\HPCHEM1\BNA F\Methods\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.68	13.94 ng	681205	1,4-Dichlorobenzene-d4	6.58

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	53
3			3-Heptanol, 4-methyl-	130	C8H18O	014979-39-6	33
4			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32



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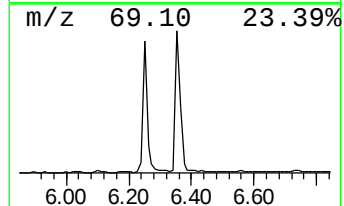
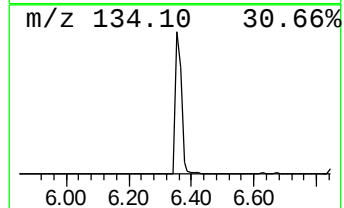
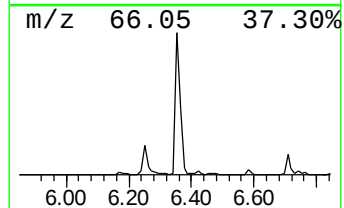
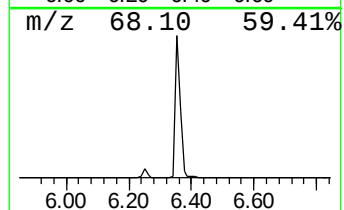
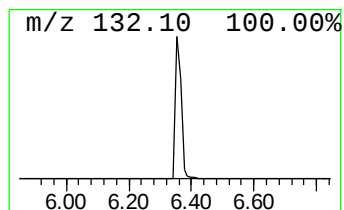
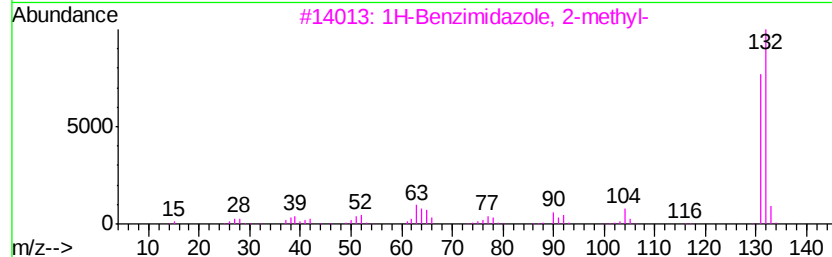
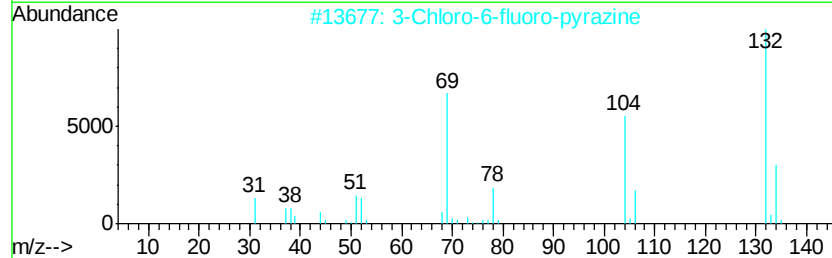
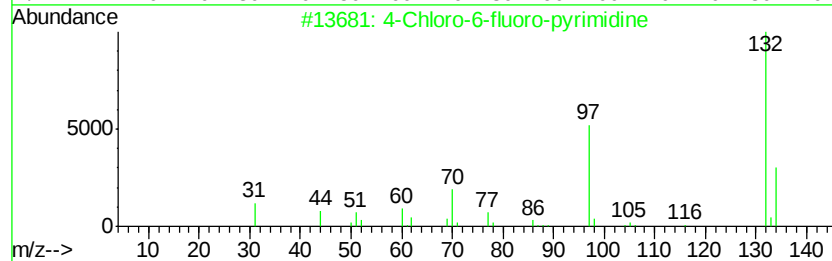
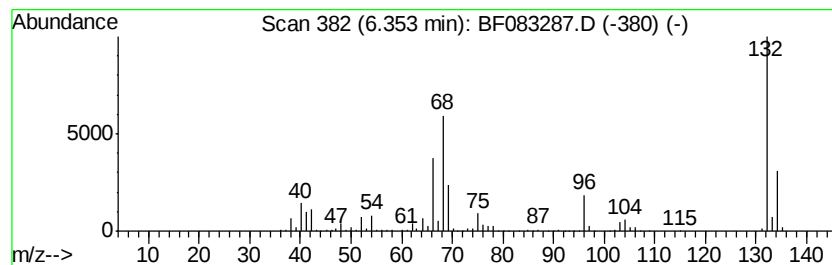
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.35 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	24.20 ng	1182300	1,4-Dichlorobenzene-d4	6.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	25
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5		5-Aminoindole	132	C8H8N2	005192-03-0	12



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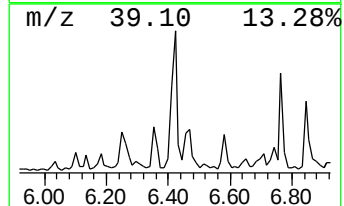
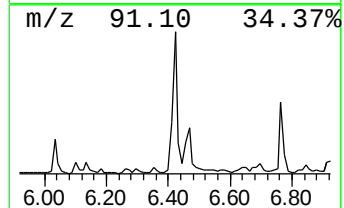
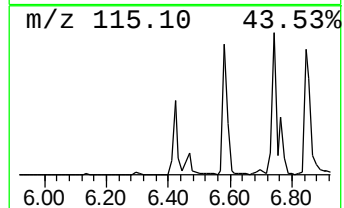
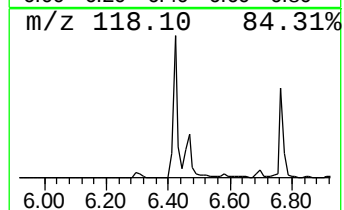
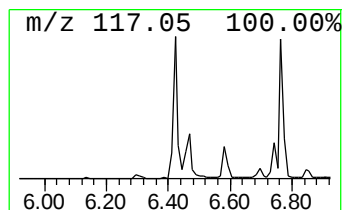
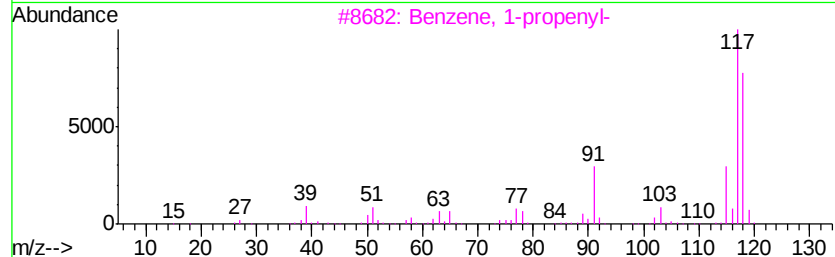
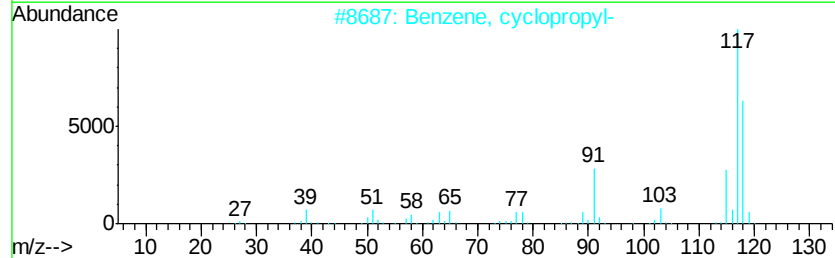
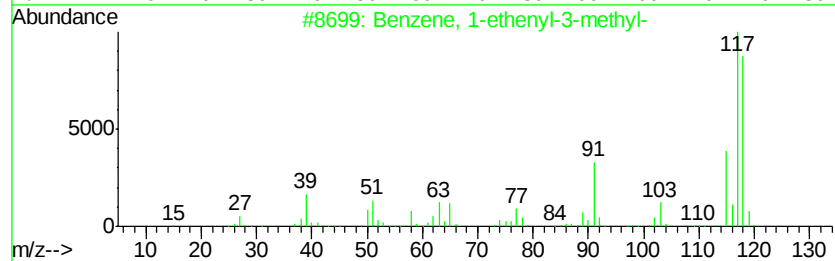
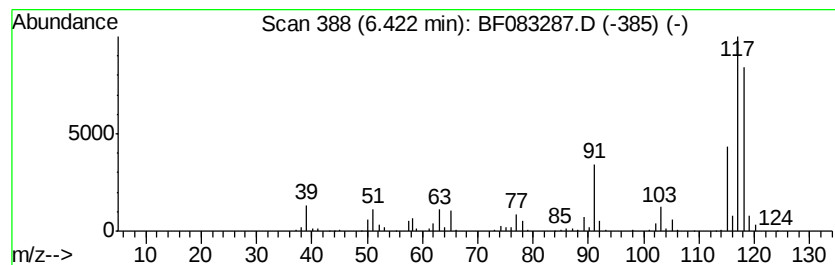
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, 1-ethenyl-3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	14.57 ng	711853	1,4-Dichlorobenzene-d4	6.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2		Benzene, cyclopropyl-	118	C9H10	000873-49-4	95
3		Benzene, 1-propenyl-	118	C9H10	000637-50-3	94
4		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
5		cis-.beta.-Methylstyrene	118	C9H10	000766-90-5	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112515\
Data File : BF083287.D
Acq On : 25 Nov 2015 21:49
Operator : UM/IZ
Sample : G4567-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
STOCKPILE-COMPOSITE3

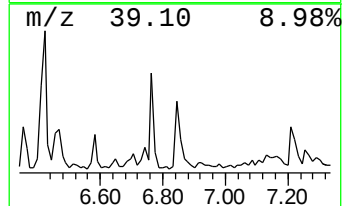
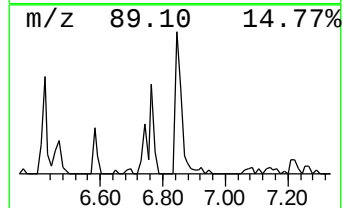
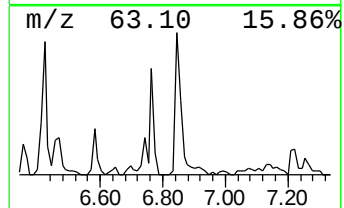
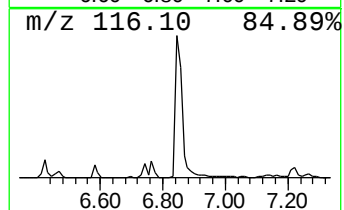
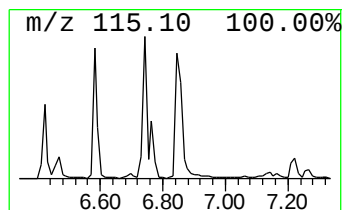
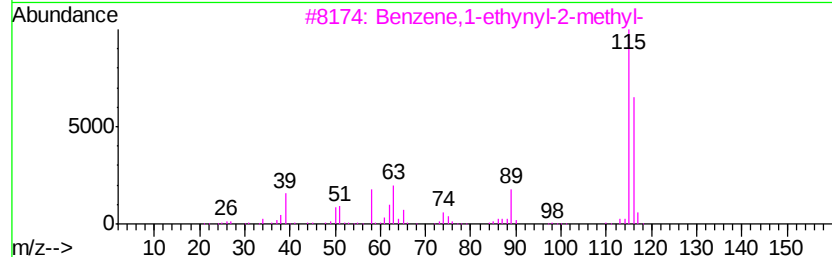
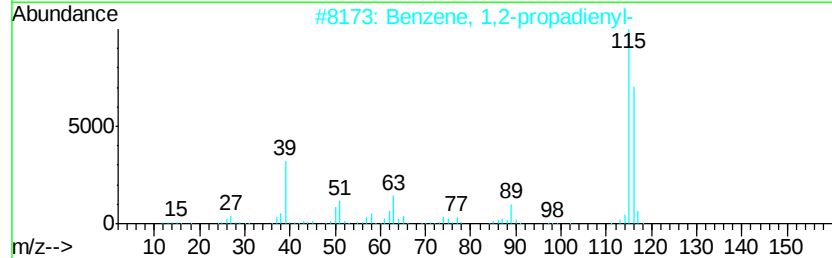
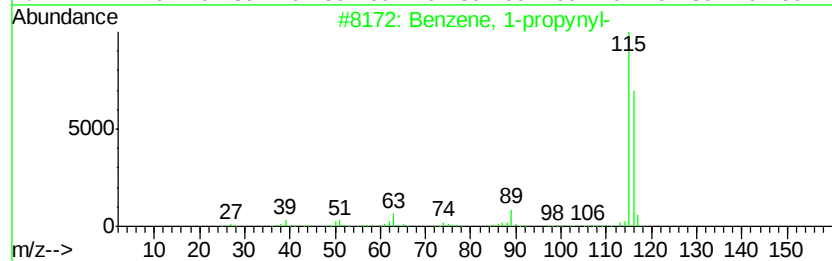
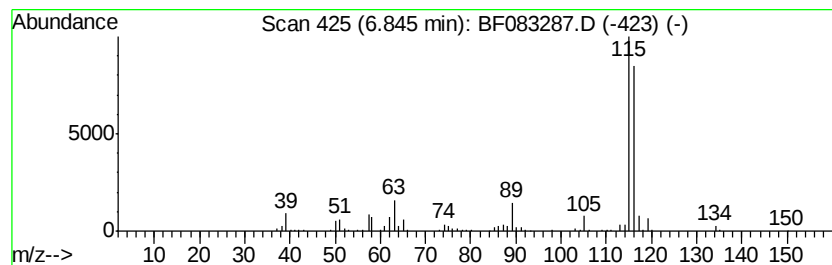
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzene, 1-propynyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.84	9.53 ng	465504	1,4-Dichlorobenzene-d4	6.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
2		Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
3		Benzene, 1-ethynyl-2-methyl-	116	C9H8	000766-47-2	91
4		Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	87
5		Indene	116	C9H8	000095-13-6	76



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083287.D
Acq On : 25 Nov 2015 21:49
Operator : UM/IZ
Sample : G4567-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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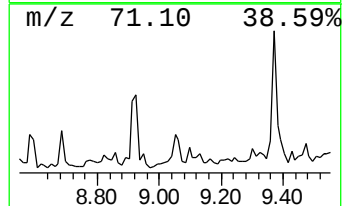
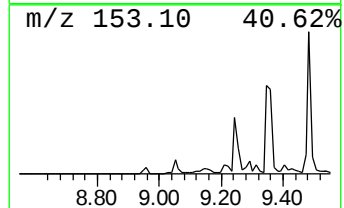
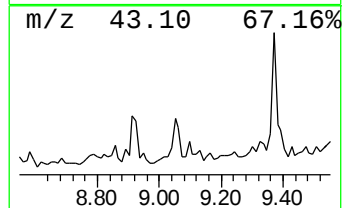
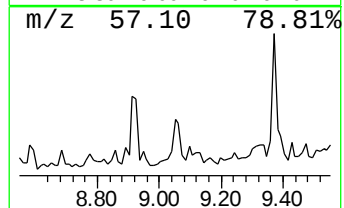
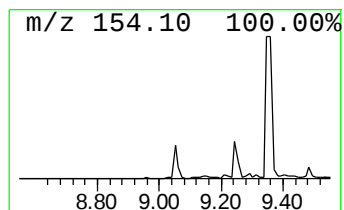
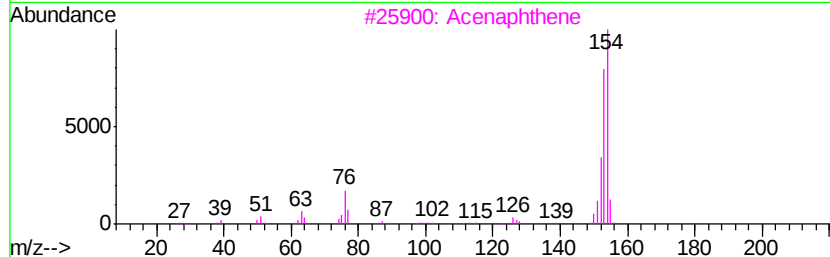
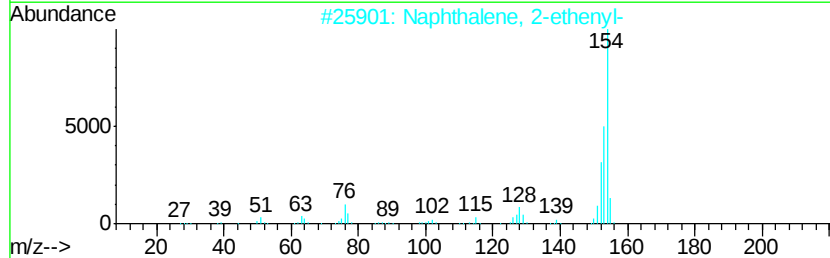
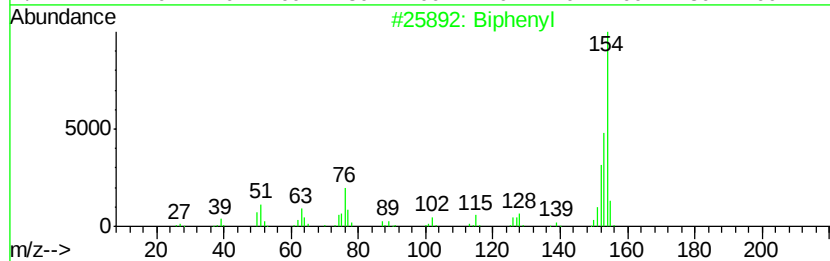
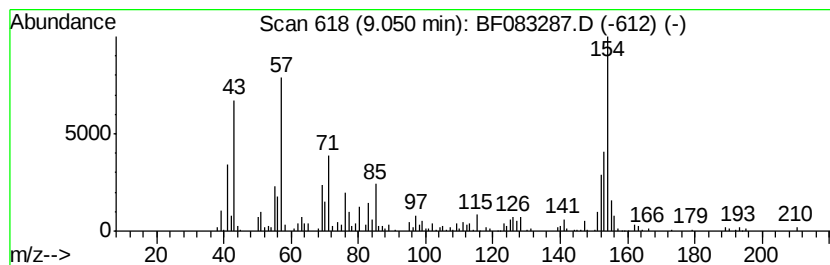
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Biphenyl Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	9.25 ng	664958	Acenaphthene-d10	9.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Biphenyl	154	C12H10	000092-52-4	91
2		Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	49
3		Acenaphthene	154	C12H10	000083-32-9	30
4		Undecane	156	C11H24	001120-21-4	25
5		Tritetracontane	605	C43H88	007098-21-7	11



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083287.D
Acq On : 25 Nov 2015 21:49
Operator : UM/IZ
Sample : G4567-03 5X
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ClientSampleId :
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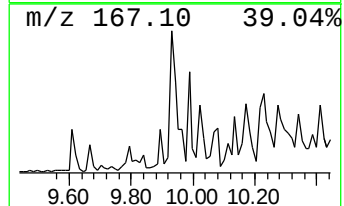
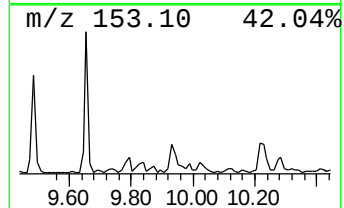
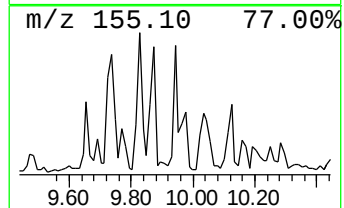
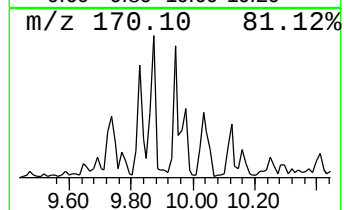
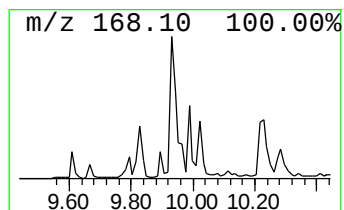
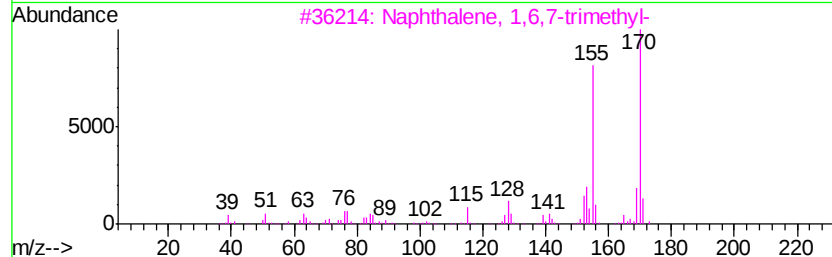
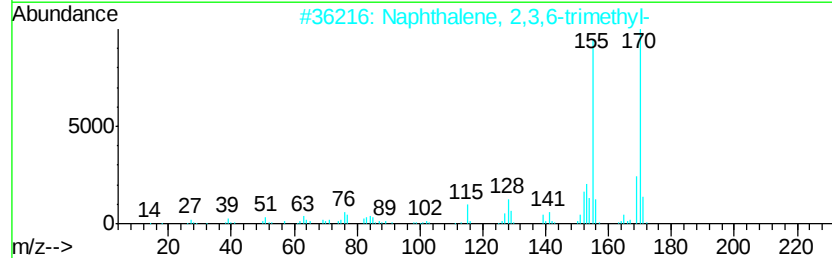
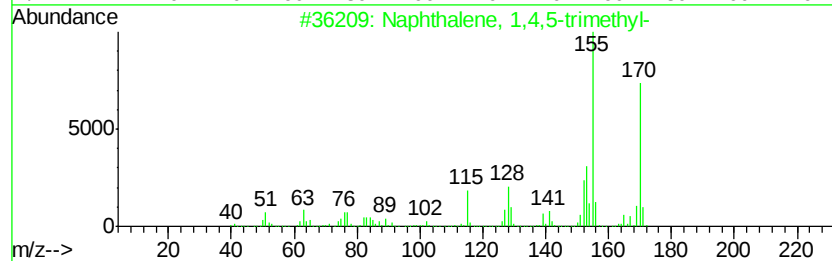
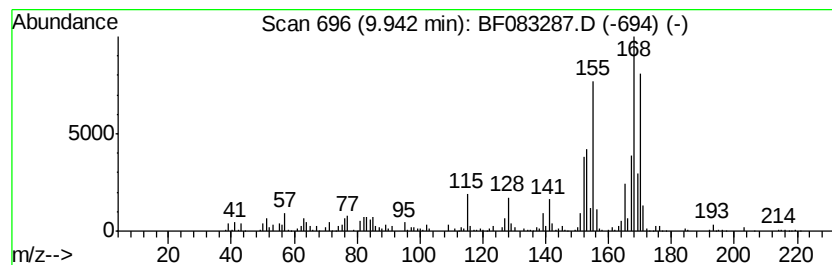
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 1,4,5-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.94	10.39 ng	747117	Acenaphthene-d10	9.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	64
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	50
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	50
4		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	50
5		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
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Sample : G4567-03 5X
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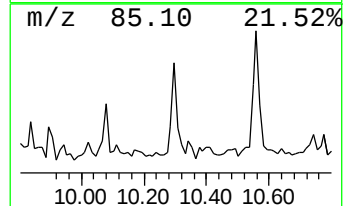
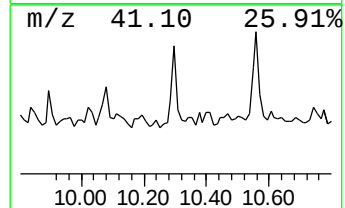
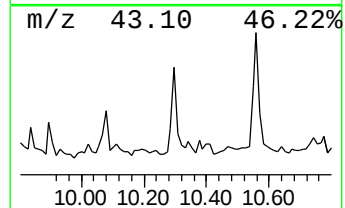
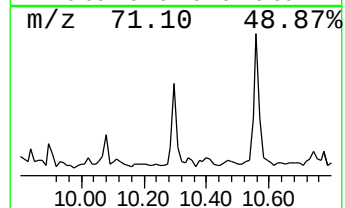
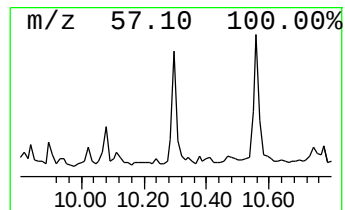
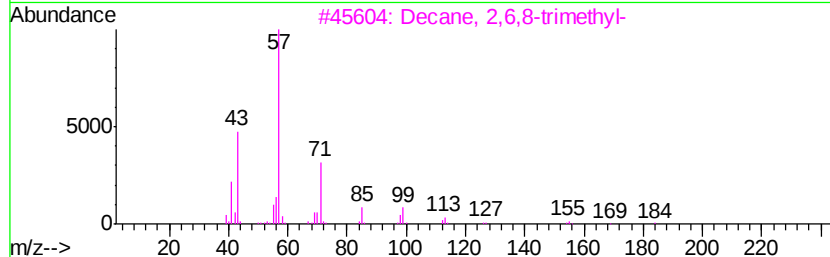
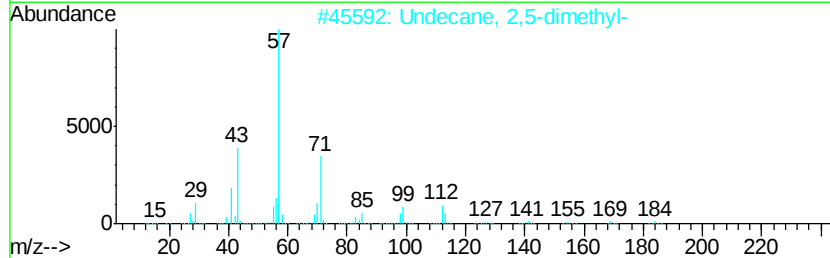
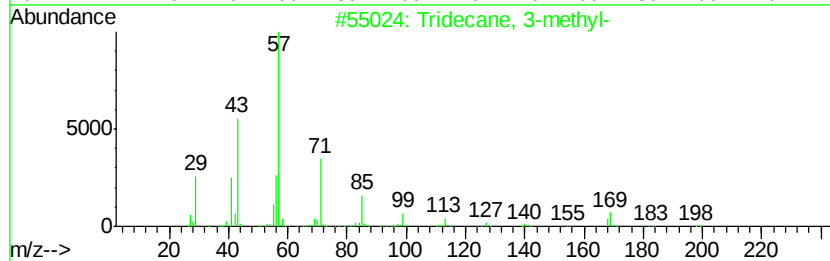
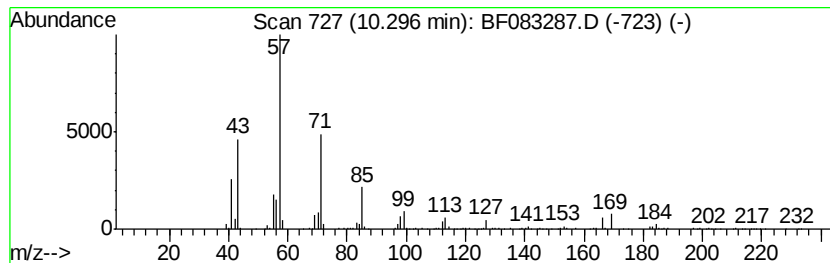
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Tridecane, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.30	11.69 ng	840648	Acenaphthene-d10		9.62
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	90
2	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	70
3	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	58
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	53
5	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
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Acq On : 25 Nov 2015 21:49
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Misc :
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ClientSampleId :
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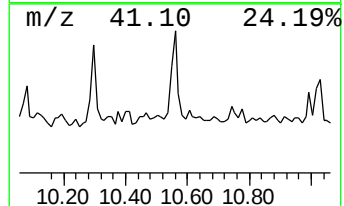
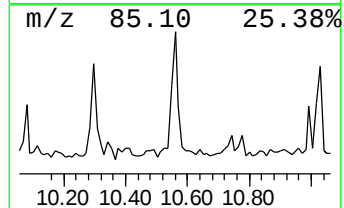
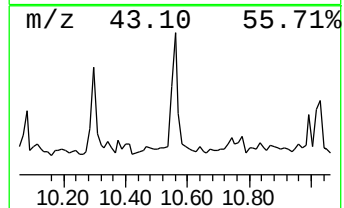
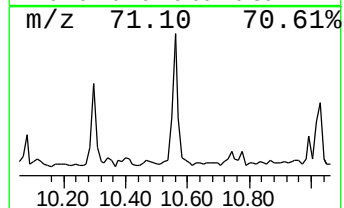
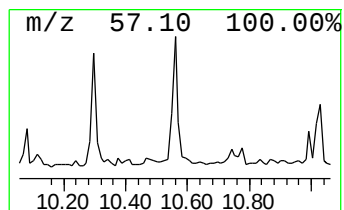
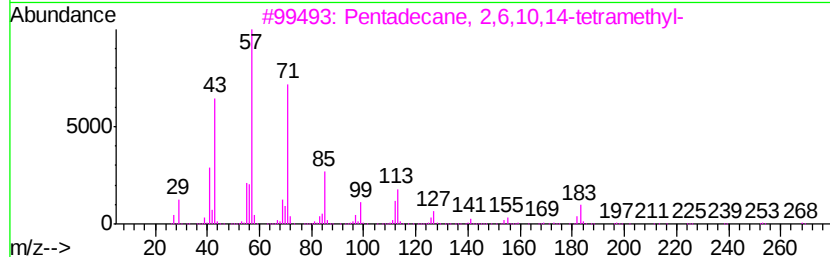
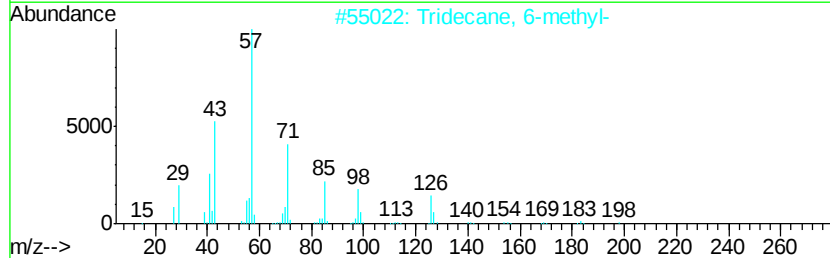
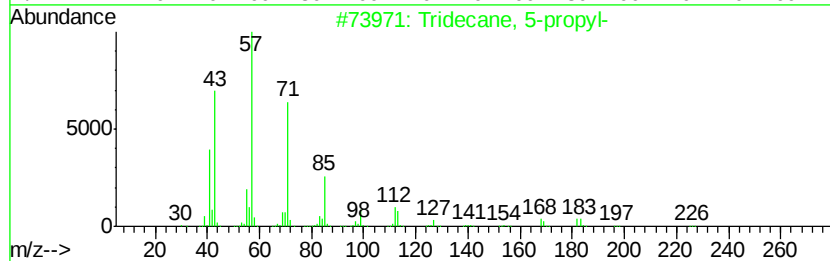
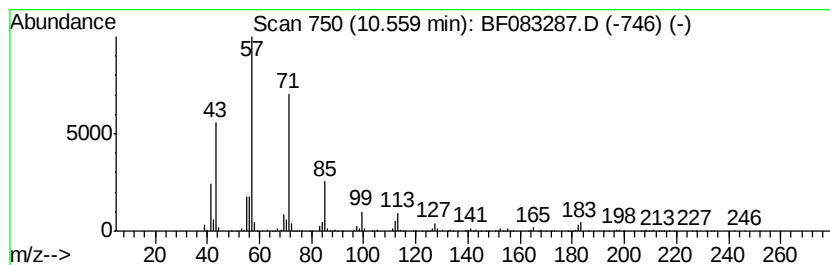
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Tridecane, 5-propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	18.07 ng	904393	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	94
2		Tridecane, 6-methyl-	198	C14H30	013287-21-3	68
3		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	64
4		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	59
5		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083287.D
Acq On : 25 Nov 2015 21:49
Operator : UM/IZ
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
STOCKPILE-COMPOSITE3

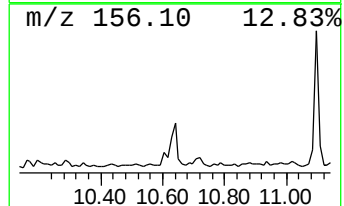
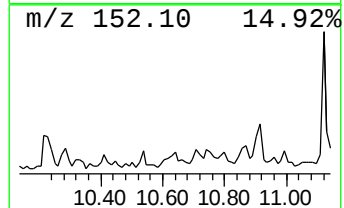
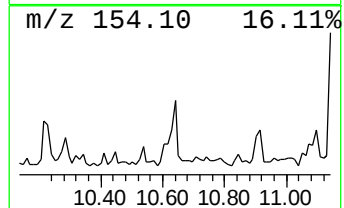
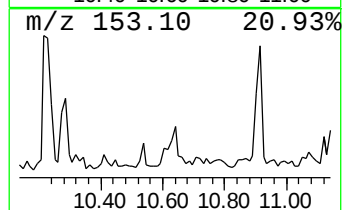
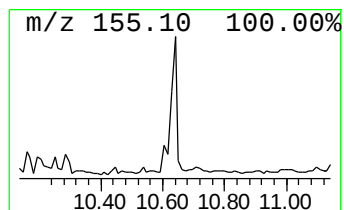
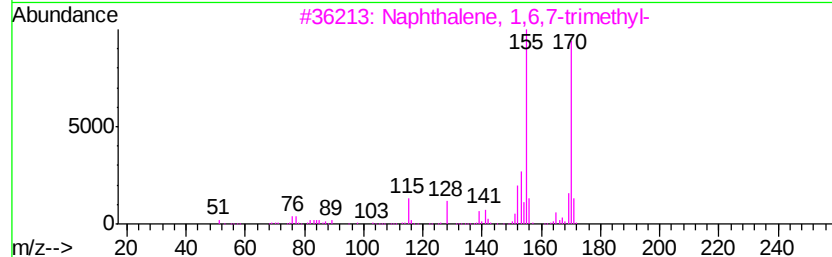
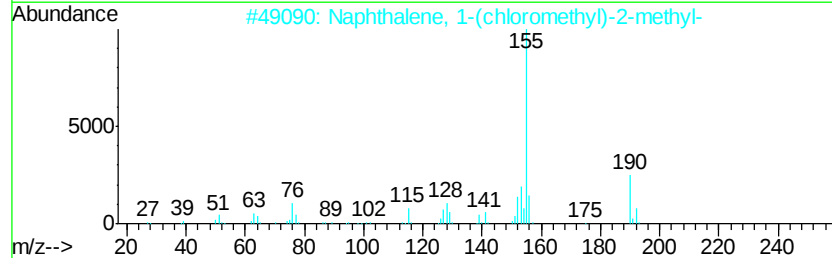
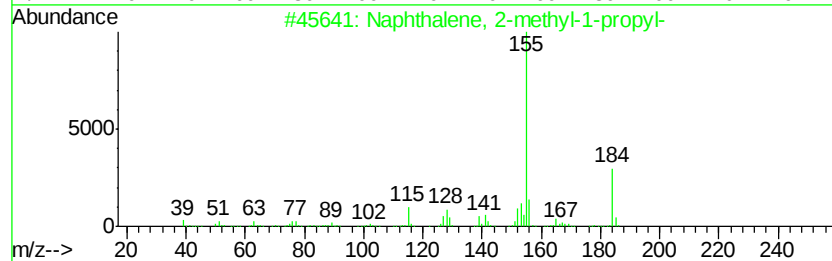
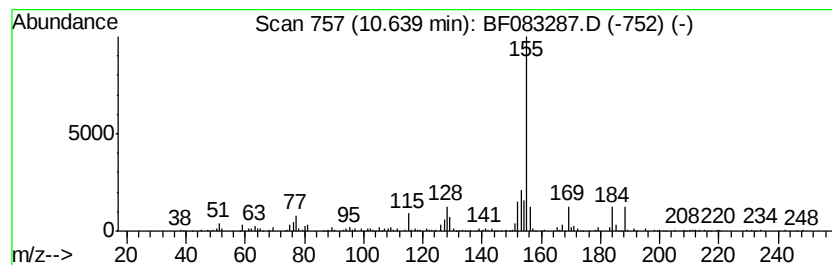
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2-methyl-1-pro... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.64	9.92 ng	496782	Phenanthrene-d10	11.10

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-1-propyl-	184	C14H16	054774-89-9	64
2			Naphthalene, 1-(chloromethyl)-2-...	190	C12H11Cl	006626-23-9	59
3			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	56
4			Z-6-Phenyldec-4-en-2-yne	212	C16H20	103240-99-9	50
5			2-Naphthylpropionic acid	200	C13H12O2	1000129-24-1	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
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Sample : G4567-03 5X
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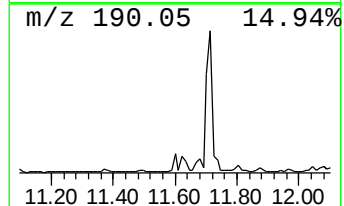
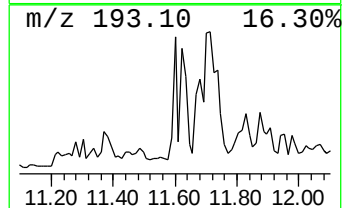
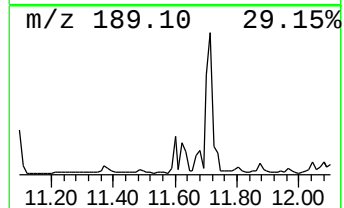
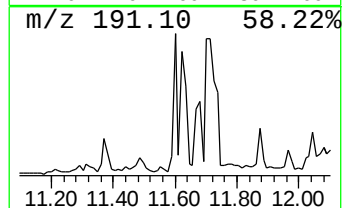
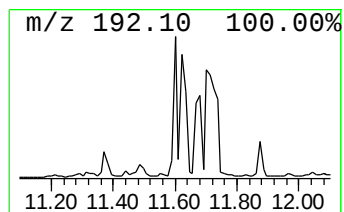
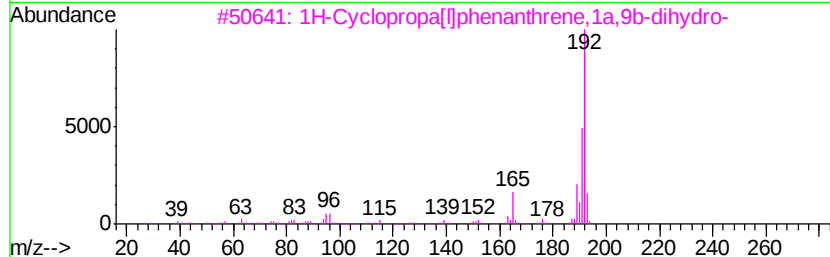
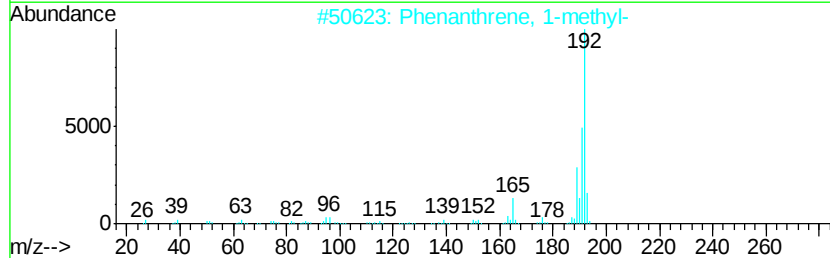
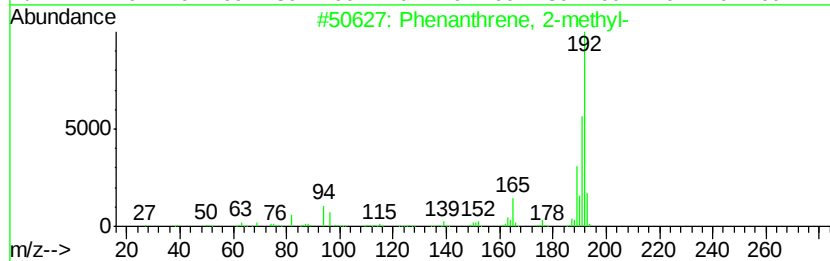
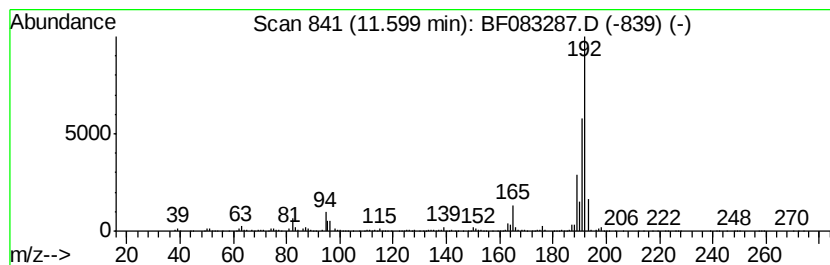
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ClientSampleId :
STOCKPILE-COMPOSITE3

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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 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.60	11.67 ng	584390	Phenanthrene-d10	11.10	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083287.D
Acq On : 25 Nov 2015 21:49
Operator : UM/IZ
Sample : G4567-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE3

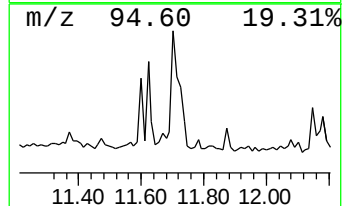
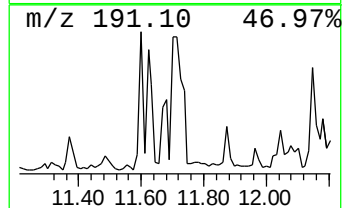
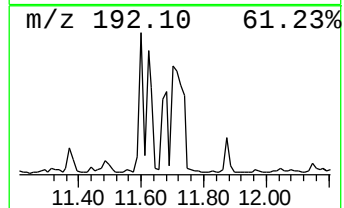
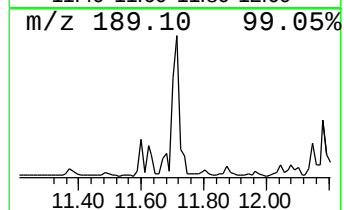
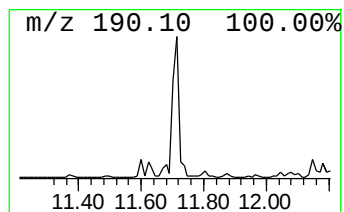
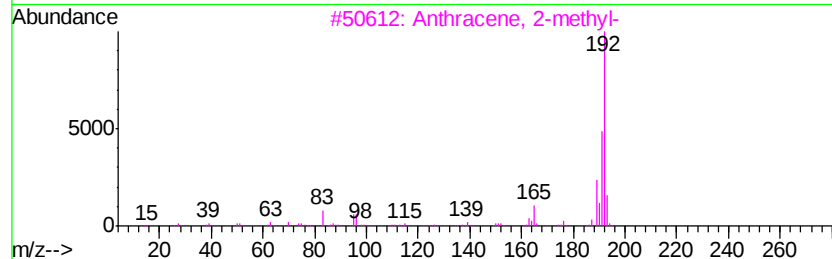
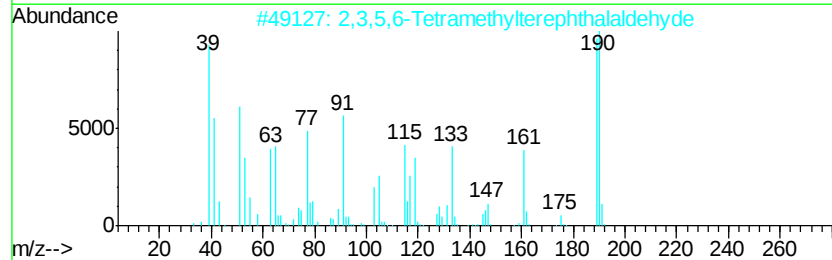
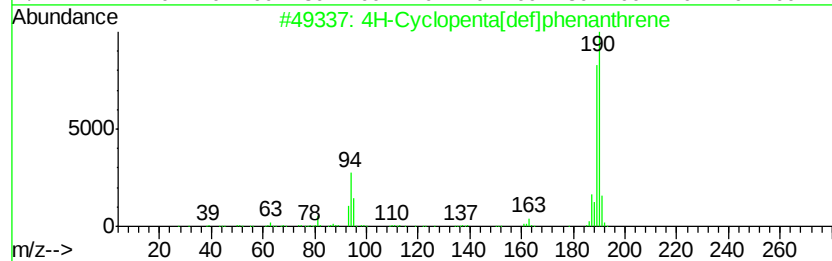
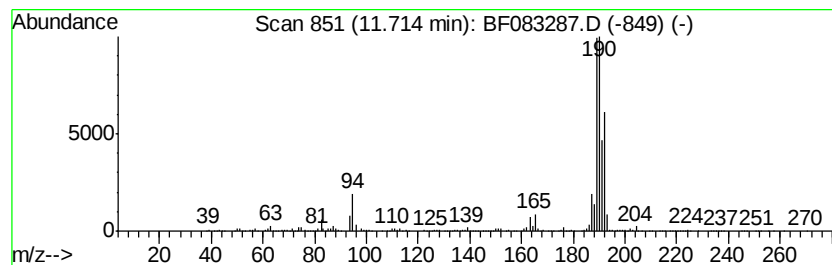
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	40.13 ng	2008720	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	25
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	15
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	15



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083287.D
Acq On : 25 Nov 2015 21:49
Operator : UM/IZ
Sample : G4567-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE3

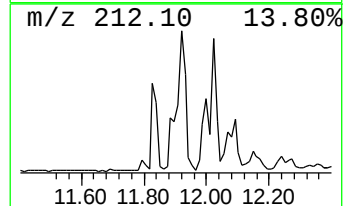
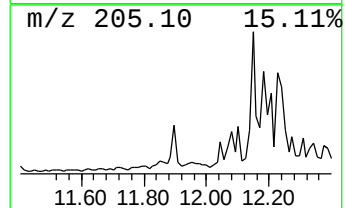
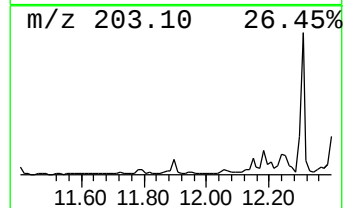
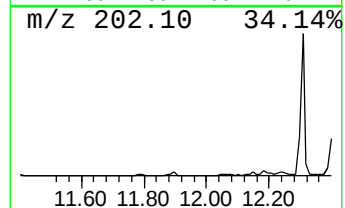
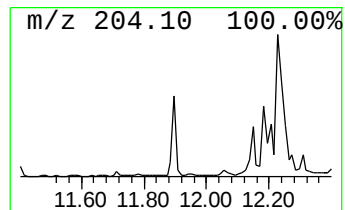
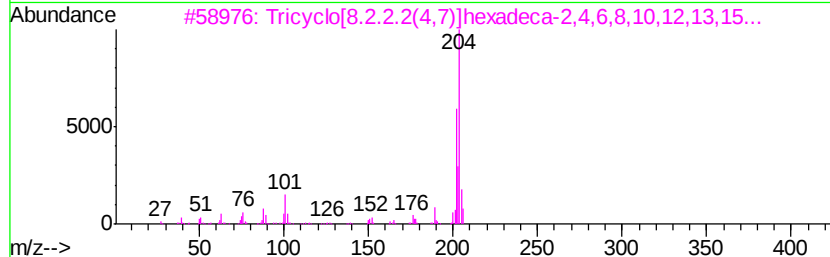
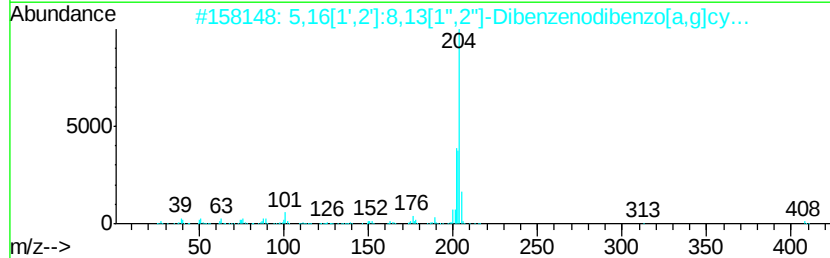
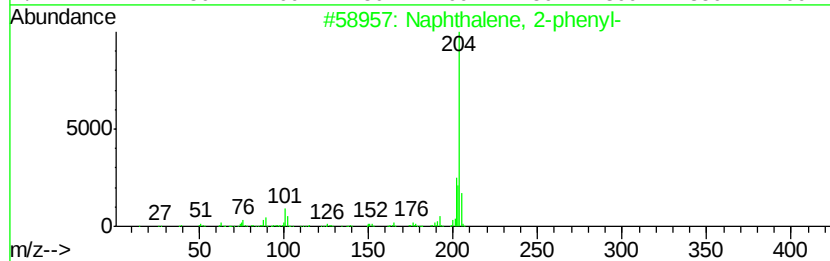
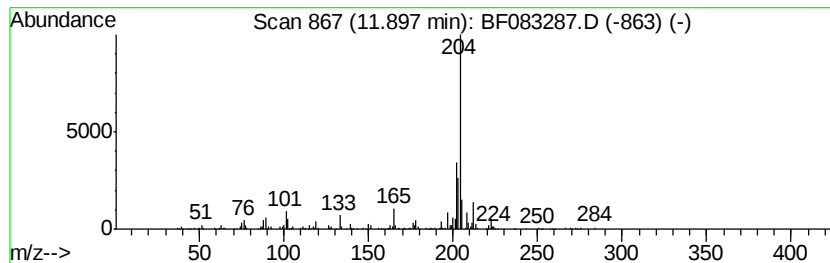
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	10.15 ng	507912	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	59
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
4		2-Phenylnaphthalene	204	C16H12	035465-71-5	52
5		Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083287.D
Acq On : 25 Nov 2015 21:49
Operator : UM/IZ
Sample : G4567-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
STOCKPILE-COMPOSITE3

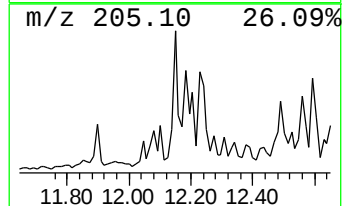
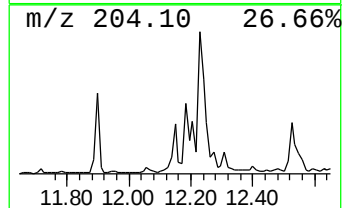
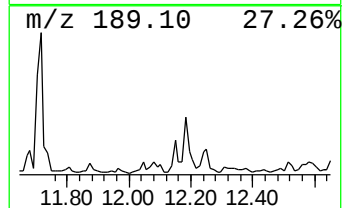
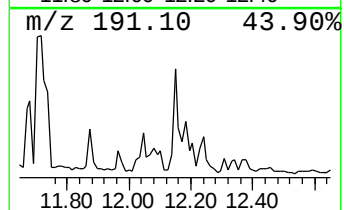
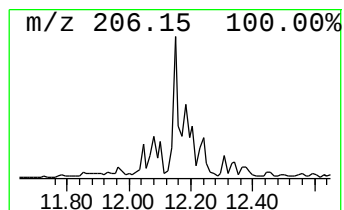
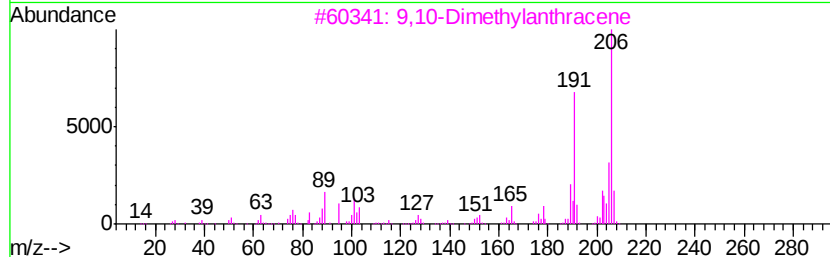
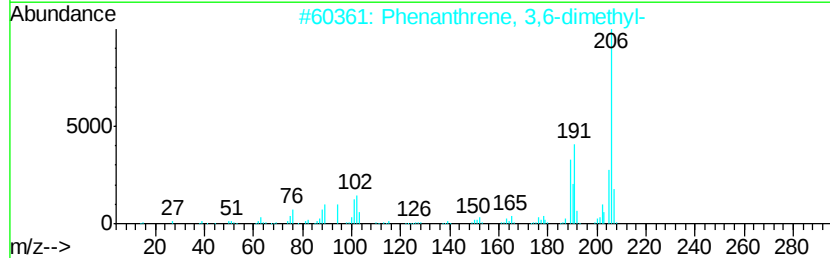
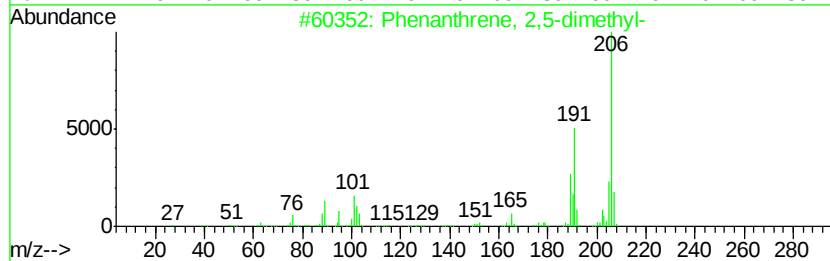
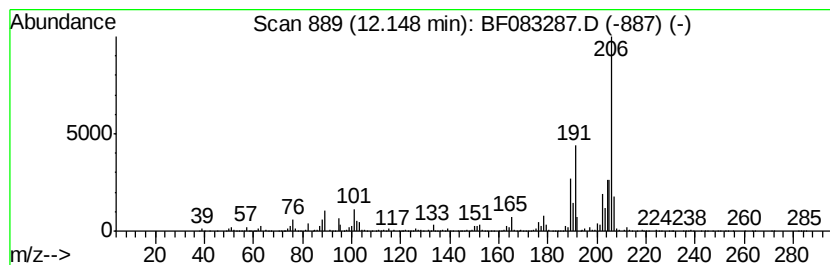
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	22.82 ng	1142520	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112515\
Data File : BF083287.D
Acq On : 25 Nov 2015 21:49
Operator : UM/IZ
Sample : G4567-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE3

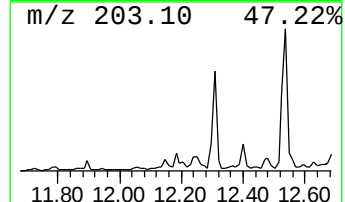
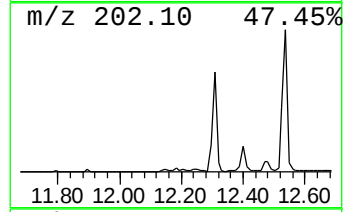
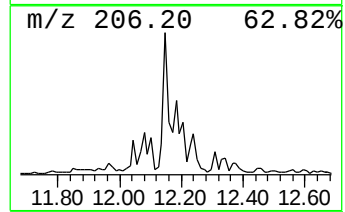
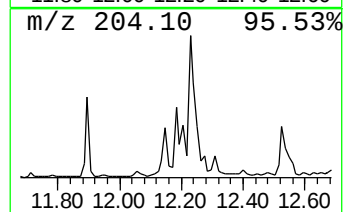
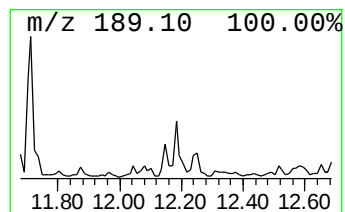
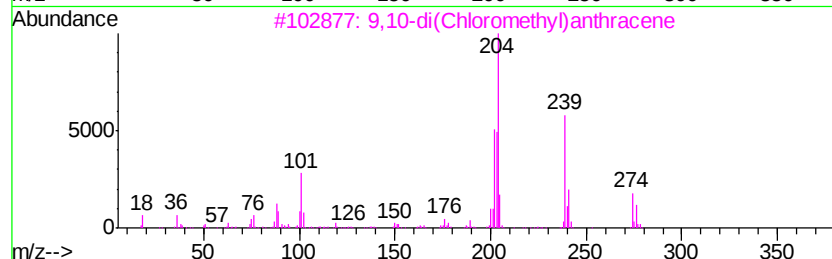
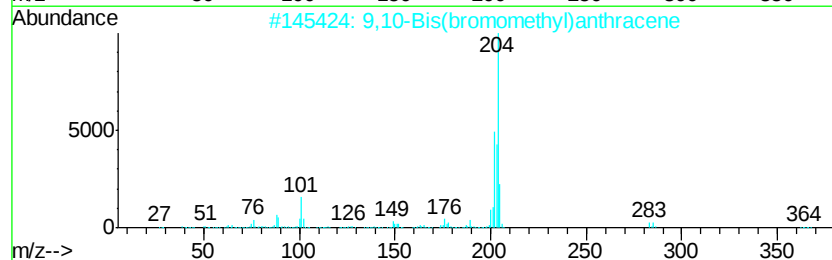
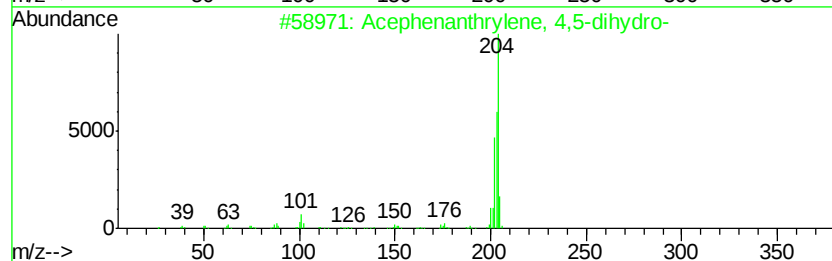
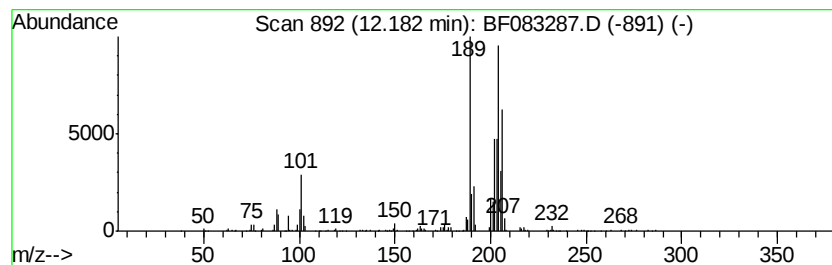
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown12.18 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	19.04 ng	952876	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	49
2		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
3		9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
4		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	35
5		Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112515\
Data File : BF083287.D
Acq On : 25 Nov 2015 21:49
Operator : UM/IZ
Sample : G4567-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
STOCKPILE-COMPOSITE3

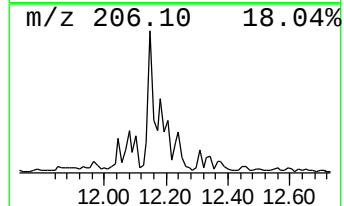
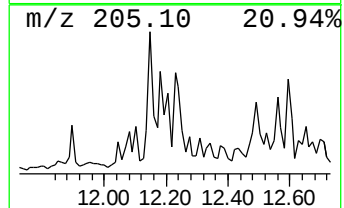
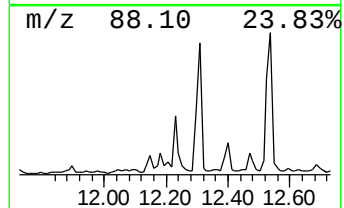
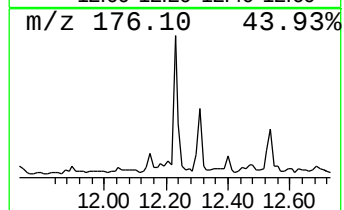
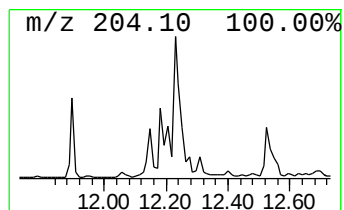
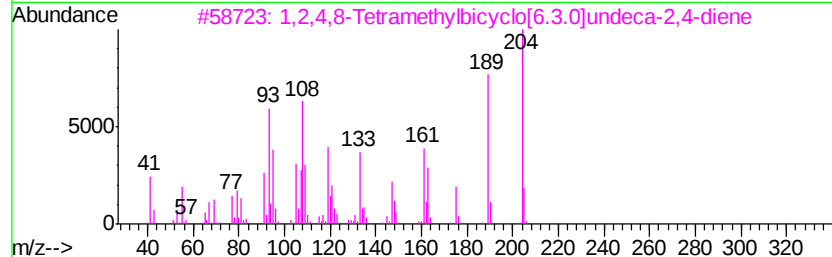
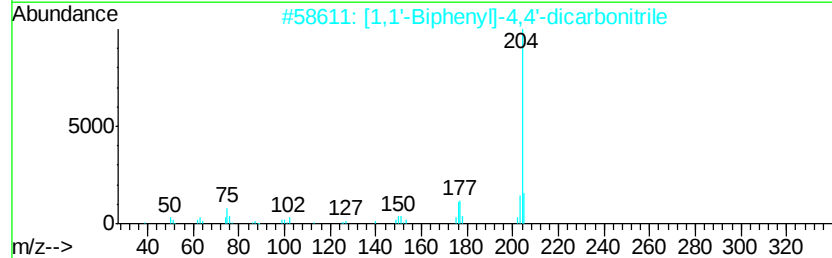
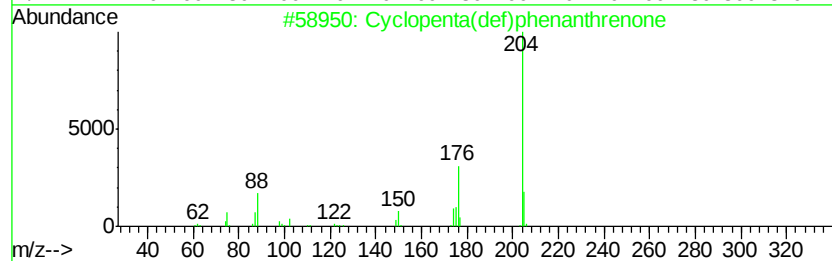
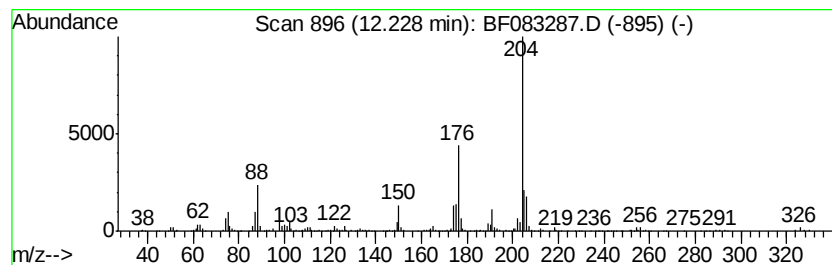
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	22.78 ng	1140560	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	45
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5		(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	36



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112515\
 Data File : BF083287.D
 Acq On : 25 Nov 2015 21:49
 Operator : UM/IZ
 Sample : G4567-03 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-COMPOSITE3

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.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...	4.68	13.9	ng	681205	1	6.58	977122	20.0
unknown6.35	6.35	24.2	ng	1182300	1	6.58	977122	20.0
Benzene, 1-etheny...	6.42	14.6	ng	711853	1	6.58	977122	20.0
Benzene, 1-propynyl-	6.84	9.5	ng	465504	1	6.58	977122	20.0
Biphenyl	9.05	9.3	ng	664958	3	9.62	1438260	20.0
Naphthalene, 1,4,...	9.94	10.4	ng	747117	3	9.62	1438260	20.0
Tridecane, 3-methyl-	10.30	11.7	ng	840648	3	9.62	1438260	20.0
Tridecane, 5-propyl-	10.56	18.1	ng	904393	4	11.10	1001170	20.0
Naphthalene, 2-me...	10.64	9.9	ng	496782	4	11.10	1001170	20.0
Phenanthrene, 2-m...	11.60	11.7	ng	584390	4	11.10	1001170	20.0
4H-Cyclopenta[def...	11.71	40.1	ng	2008720	4	11.10	1001170	20.0
Naphthalene, 2-ph...	11.90	10.2	ng	507912	4	11.10	1001170	20.0
Phenanthrene, 2,5...	12.15	22.8	ng	1142520	4	11.10	1001170	20.0
unknown12.18	12.18	19.0	ng	952876	4	11.10	1001170	20.0
Cyclopenta(def)ph...	12.23	22.8	ng	1140560	4	11.10	1001170	20.0