

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
 Data File : BF083026.D
 Acq On : 18 Nov 2015 23:53
 Operator : UM/IZ
 Sample : G4436-03 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-1356

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-BF110715.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	4.864	240	243	246	rBV	413309	427826	14.94%	0.966%
2	5.322	281	283	286	rBV	977912	860847	30.06%	1.944%
3	6.373	373	375	378	rBV	975170	917441	32.03%	2.071%
4	6.499	383	386	388	rBV	1117041	945048	33.00%	2.134%
5	6.727	404	406	408	rBV	911138	740820	25.86%	1.673%
6	6.887	417	420	422	rBV	838990	757072	26.43%	1.709%
7	6.990	427	429	434	rBV	57715	57206	2.00%	0.129%
8	7.287	453	455	458	rBV	639214	547227	19.11%	1.236%
9	8.019	517	519	521	rBV	1276143	1069967	37.36%	2.416%
10	9.093	611	613	615	rBV	1282767	1034534	36.12%	2.336%
11	9.425	640	642	644	rVV	45367	72237	2.52%	0.163%
12	9.493	646	648	650	rVV	275931	257034	8.97%	0.580%
13	9.630	658	660	662	rVV	526470	481056	16.80%	1.086%
14	9.768	670	672	674	rVV	1250385	1074768	37.52%	2.427%
15	9.973	688	690	692	rVB	97303	84307	2.94%	0.190%
16	10.088	698	700	701	rBV2	70460	82581	2.88%	0.186%
17	10.111	701	702	705	rVB	38749	47819	1.67%	0.108%
18	10.179	705	708	710	rBV3	54087	78949	2.76%	0.178%
19	10.213	710	711	713	rVB	72081	75973	2.65%	0.172%
20	10.282	713	717	718	rBV2	46600	74089	2.59%	0.167%
21	10.316	718	720	723	rVB	116906	166717	5.82%	0.376%
22	10.396	723	727	728	rBV3	19975	55811	1.95%	0.126%
23	10.419	728	729	732	rVB3	46277	68208	2.38%	0.154%
24	10.476	732	734	738	rBV2	75902	113780	3.97%	0.257%
25	10.556	738	741	743	rVB2	436678	541872	18.92%	1.223%
26	10.682	750	752	756	rVB2	79186	145536	5.08%	0.329%
27	10.773	756	760	763	rBV3	25000	80912	2.82%	0.183%
28	10.865	765	768	772	rBV4	78757	147834	5.16%	0.334%
29	11.014	777	781	783	rBV2	120861	235788	8.23%	0.532%
30	11.048	783	784	787	rVB3	53673	84757	2.96%	0.191%
31	11.105	787	789	790	rBV	85177	98046	3.42%	0.221%
32	11.139	790	792	799	rVB2	105220	147594	5.15%	0.333%
33	11.242	799	801	802	rBV	732960	920106	32.12%	2.077%
34	11.276	802	804	805	rVB	920764	1142347	39.88%	2.579%

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35	11.322	805	808	809	rBV	701458	580267	20.26%	1.310%
36	11.356	809	811	813	rVB2	99567	126518	4.42%	0.286%
37	11.482	818	822	823	rBV2	70146	108371	3.78%	0.245%
38	11.505	823	824	826	rBV	80194	77749	2.71%	0.176%
39	11.745	843	845	846	rBV	267368	264762	9.24%	0.598%
40	11.779	846	848	850	rVB	405277	412884	14.42%	0.932%
41	11.825	850	852	853	rBV	280454	262095	9.15%	0.592%
42	11.859	853	855	859	rVB2	559504	786435	27.46%	1.776%
43	11.939	859	862	863	rBV2	32852	57905	2.02%	0.131%
44	12.019	867	869	870	rBV2	41291	58899	2.06%	0.133%
45	12.042	870	871	875	rVB2	228615	283676	9.90%	0.640%
46	12.134	877	879	881	rBV3	27003	49669	1.73%	0.112%
47	12.191	881	884	886	rBV2	101892	144864	5.06%	0.327%
48	12.225	886	887	890	rVB	157368	221161	7.72%	0.499%
49	12.294	890	893	895	rBV	312100	472468	16.50%	1.067%
50	12.339	895	897	899	rVV2	140585	285951	9.98%	0.646%
51	12.385	899	901	905	rVB3	188220	305991	10.68%	0.691%
52	12.465	905	908	910	rBV	2041985	2734682	95.48%	6.175%
53	12.511	910	912	914	rBV3	82540	148629	5.19%	0.336%
54	12.545	914	915	917	rVB	285943	274328	9.58%	0.619%
55	12.602	917	920	921	rBV2	97273	184622	6.45%	0.417%
56	12.682	924	927	930	rBV	2030607	2626529	91.70%	5.930%
57	12.751	930	933	935	rVB2	125317	246619	8.61%	0.557%
58	12.808	935	938	939	rBV	170317	331147	11.56%	0.748%
59	12.831	939	940	943	rVB	908232	802241	28.01%	1.811%
60	12.911	943	947	950	rBV4	308717	583057	20.36%	1.316%
61	13.014	950	956	957	rBV2	438871	870920	30.41%	1.966%
62	13.048	957	959	960	rBV	41402	58988	2.06%	0.133%
63	13.082	960	962	963	rBV	228895	235914	8.24%	0.533%
64	13.117	963	965	967	rBV	504239	538971	18.82%	1.217%
65	13.174	969	970	971	rBV	101608	87631	3.06%	0.198%
66	13.208	971	973	974	rVB	266387	223243	7.79%	0.504%
67	13.231	974	975	978	rBV2	138405	228117	7.96%	0.515%
68	13.414	987	991	994	rBV5	129595	397325	13.87%	0.897%
69	13.517	996	1000	1003	rVV	414775	582363	20.33%	1.315%
70	13.585	1004	1006	1007	rVV	85151	108468	3.79%	0.245%
71	13.619	1007	1009	1011	rVV2	273781	442665	15.46%	0.999%

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72	13.654	1011	1012	1013	rVV	262767	259291	9.05%	0.585%
73	13.722	1017	1018	1020	rVB	321177	276462	9.65%	0.624%
74	13.871	1028	1031	1033	rBV2	1793743	2864209	100.00%	6.467%
75	13.905	1033	1034	1037	rVV	1331170	1220214	42.60%	2.755%
76	13.985	1037	1041	1042	rVV4	87720	183252	6.40%	0.414%
77	14.020	1042	1044	1045	rVV	243690	270124	9.43%	0.610%
78	14.088	1049	1050	1053	rVV2	77672	152822	5.34%	0.345%
79	14.202	1058	1060	1061	rBV2	54211	75845	2.65%	0.171%
80	14.237	1061	1063	1064	rBV2	91178	178441	6.23%	0.403%
81	14.271	1064	1066	1067	rVV	342043	464561	16.22%	1.049%
82	14.305	1067	1069	1070	rVV2	179705	252228	8.81%	0.569%
83	14.362	1070	1074	1075	rVV4	122729	269703	9.42%	0.609%
84	14.385	1075	1076	1080	rVB3	206311	386719	13.50%	0.873%
85	14.465	1081	1083	1085	rVB3	109198	142079	4.96%	0.321%
86	14.511	1085	1087	1089	rBV	43337	59941	2.09%	0.135%
87	14.568	1089	1092	1093	rBV	103734	150375	5.25%	0.340%
88	14.728	1103	1106	1111	rBV2	156556	377099	13.17%	0.851%
89	14.797	1111	1112	1117	rVB2	108460	195172	6.81%	0.441%
90	14.888	1117	1120	1124	rBV	1207282	2321832	81.06%	5.242%
91	14.980	1127	1128	1130	rVB	364198	322199	11.25%	0.727%
92	15.162	1141	1144	1146	rBV	511156	736171	25.70%	1.662%
93	15.220	1146	1149	1151	rVB	835090	1013537	35.39%	2.288%
94	15.277	1151	1154	1155	rBV	417441	646814	22.58%	1.460%
95	15.711	1190	1192	1194	rBV2	60314	103897	3.63%	0.235%
96	16.283	1240	1242	1248	rVB5	90645	206641	7.21%	0.467%
97	16.443	1251	1256	1261	rVB4	73039	263903	9.21%	0.596%
98	16.591	1265	1269	1272	rBV2	286559	559792	19.54%	1.264%
99	16.740	1280	1282	1284	rBV	58453	84320	2.94%	0.190%
100	16.980	1300	1303	1307	rVB	216356	409928	14.31%	0.926%

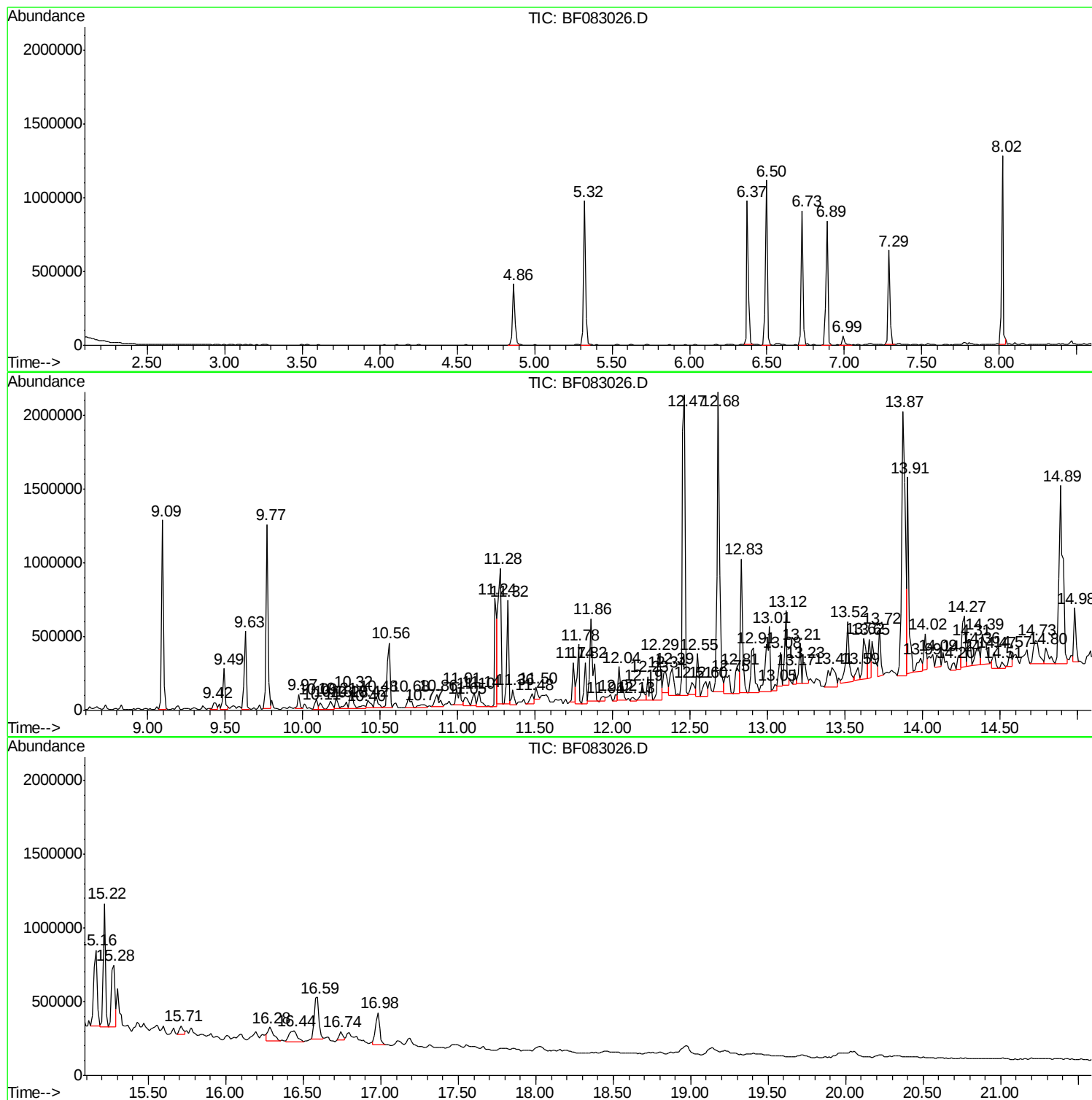
Sum of corrected areas: 44289804

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Instrument :
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ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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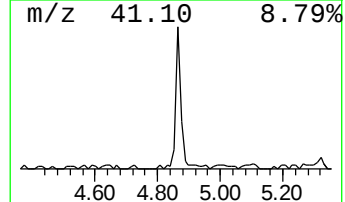
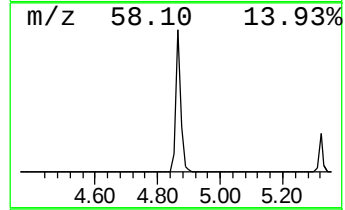
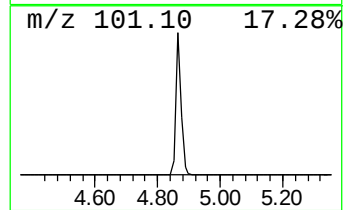
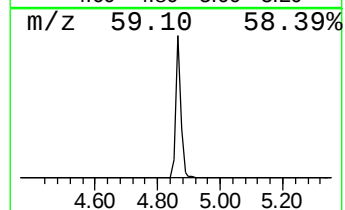
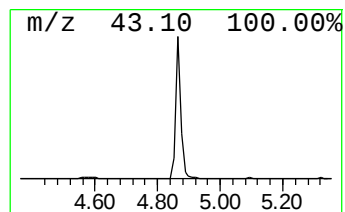
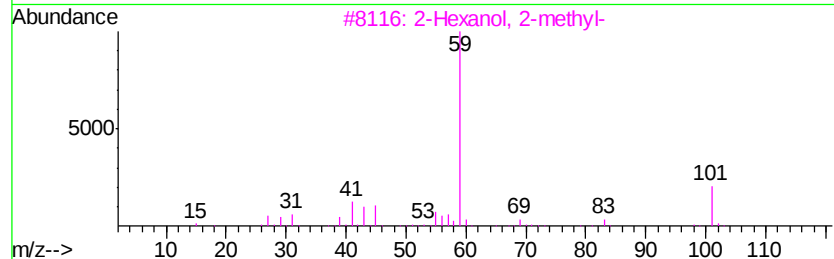
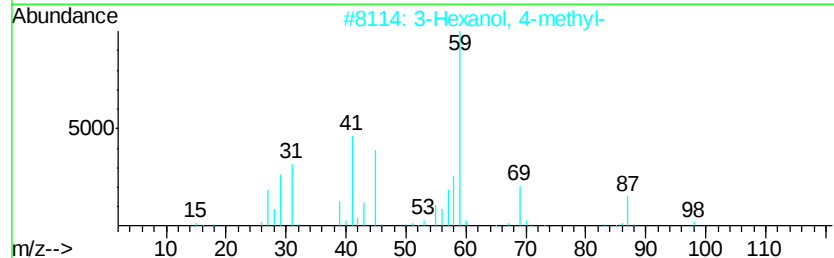
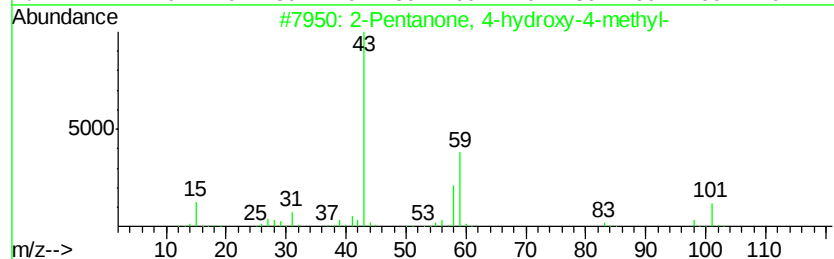
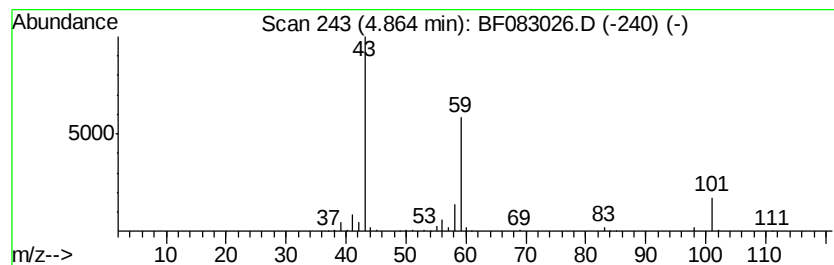
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.86	11.55 ng	427826	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
5		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25



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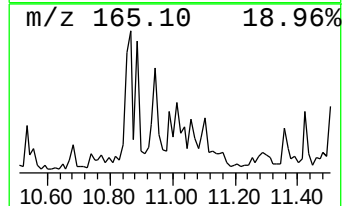
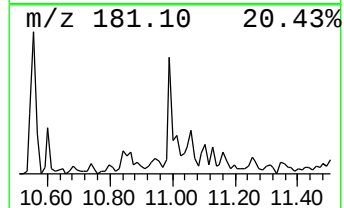
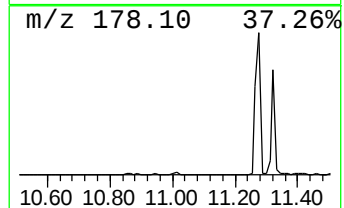
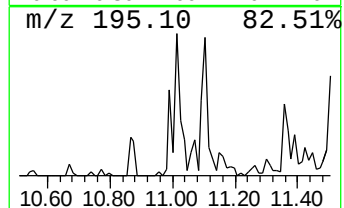
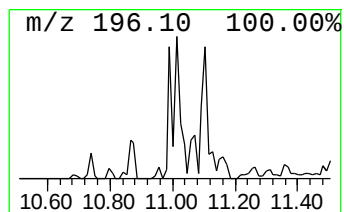
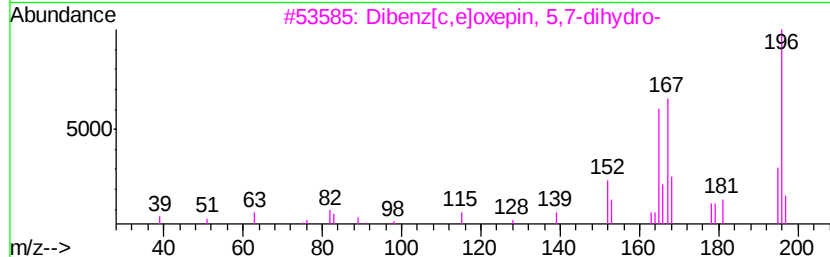
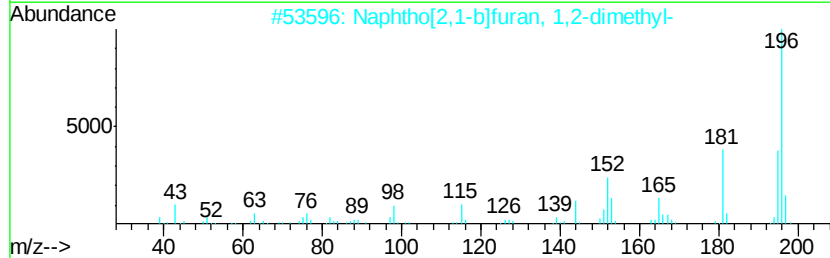
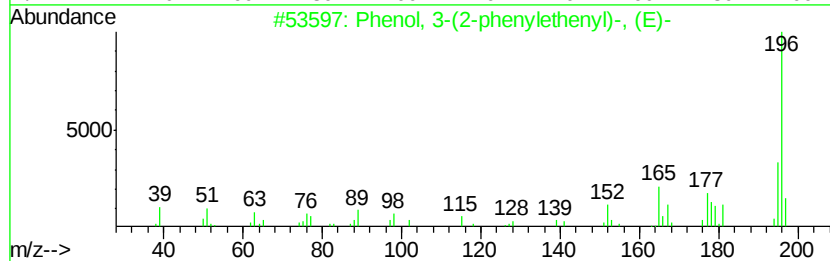
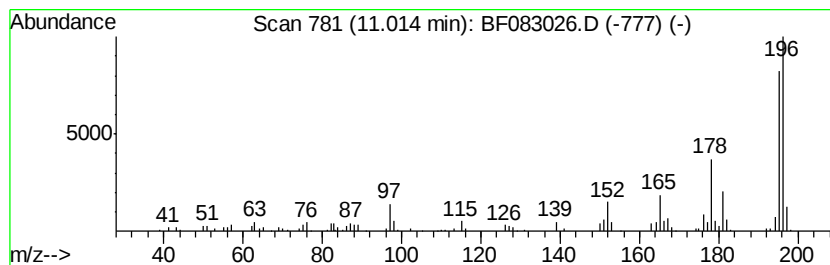
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenol, 3-(2-phenylethenyl)... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	5.13 ng	235788	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	53
2		Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	47
3		Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	46
4		Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	43
5		5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	40



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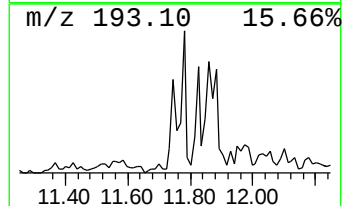
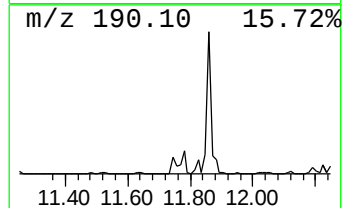
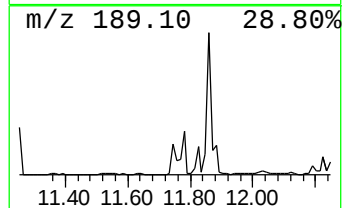
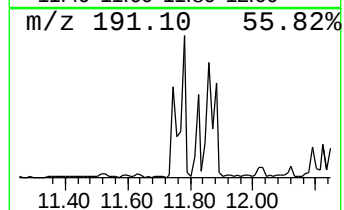
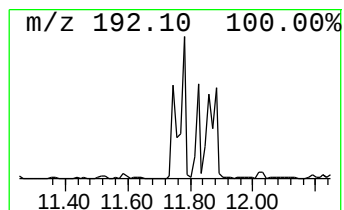
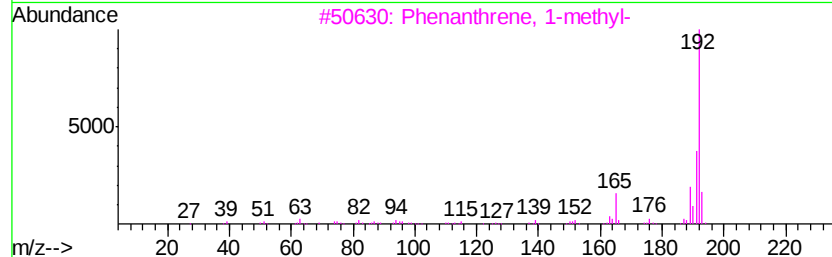
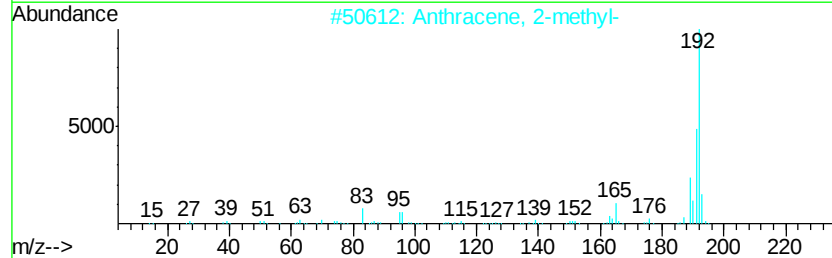
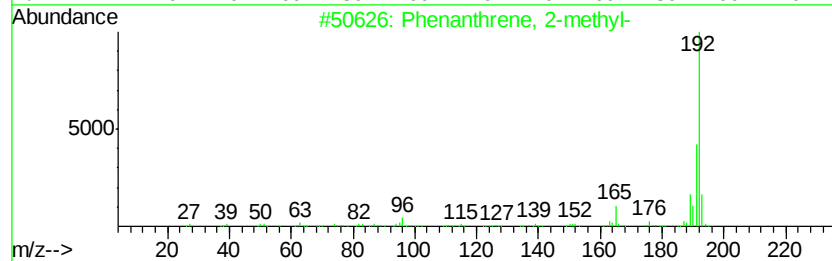
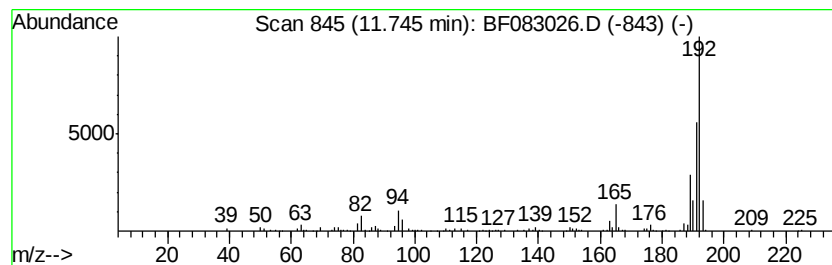
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Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	5.76 ng	264762	Phenanthrene-d10	11.24

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
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Acq On : 18 Nov 2015 23:53
Operator : UM/IZ
Sample : G4436-03 5X
Misc :
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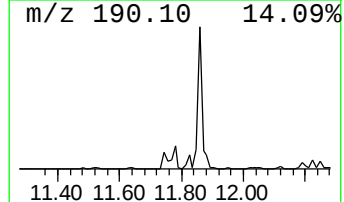
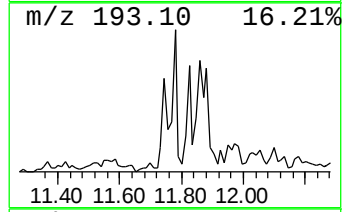
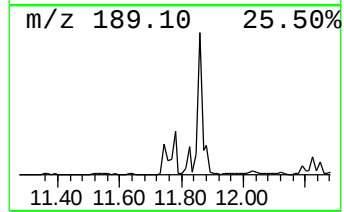
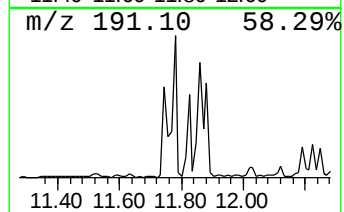
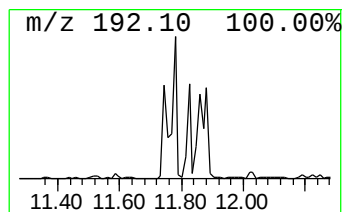
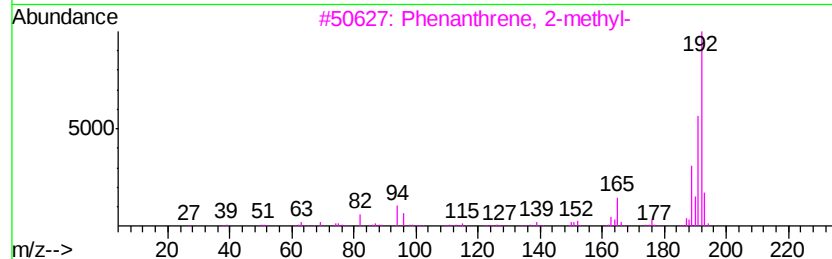
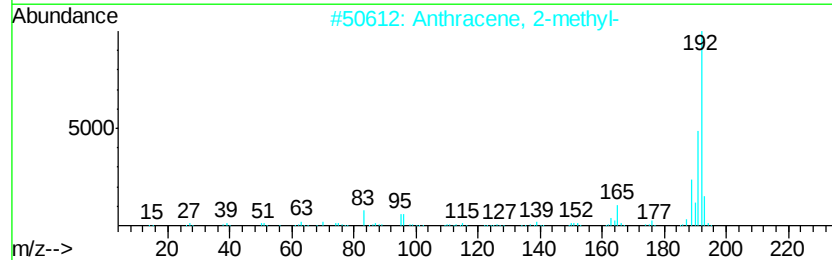
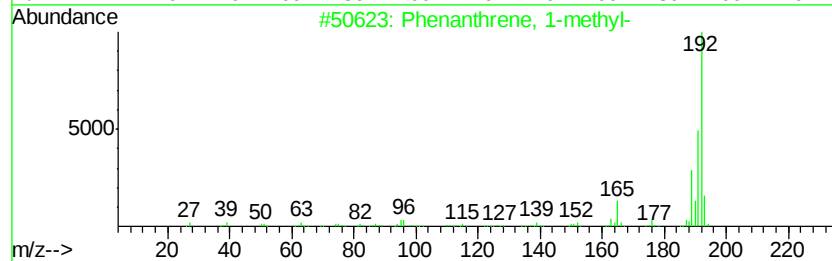
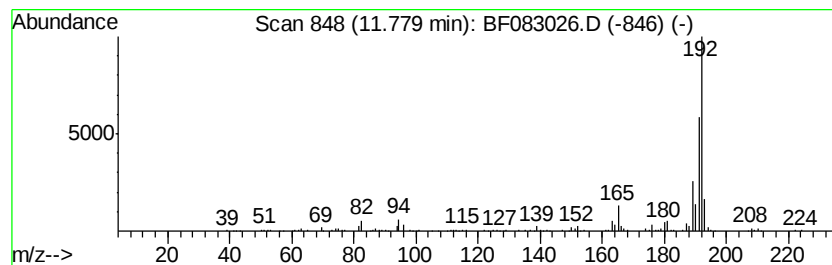
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.78	8.97 ng	412884	Phenanthrene-d10	11.24	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083026.D
Acq On : 18 Nov 2015 23:53
Operator : UM/IZ
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Misc :
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Instrument :
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ClientSampleId :
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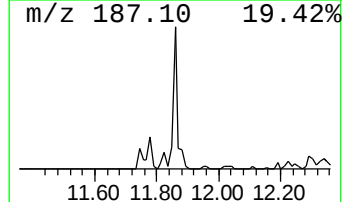
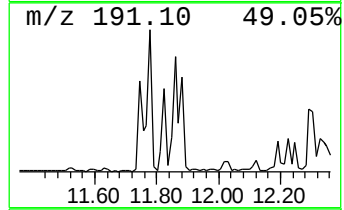
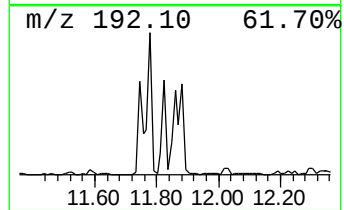
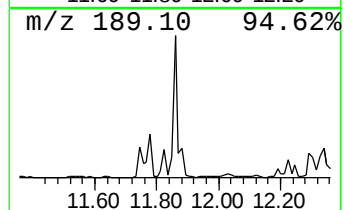
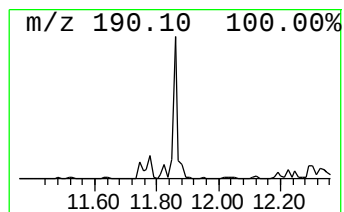
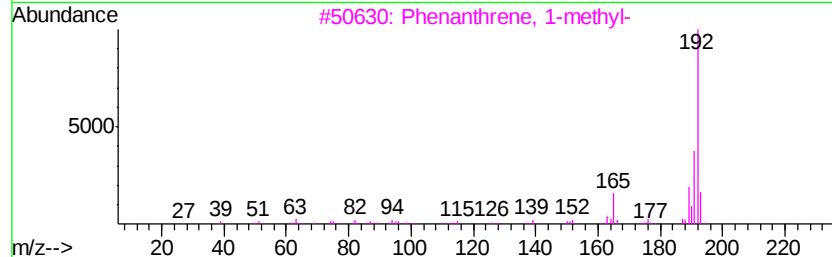
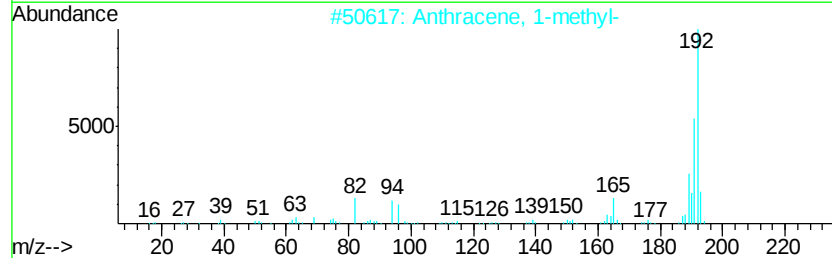
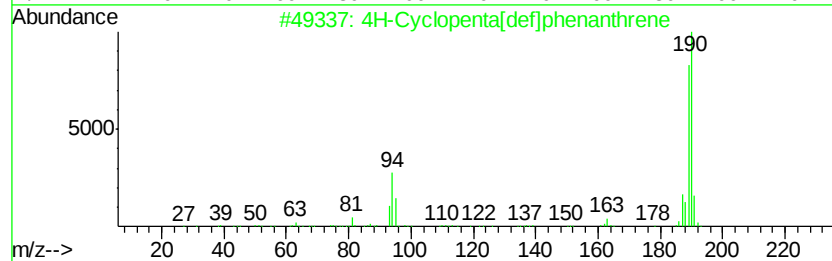
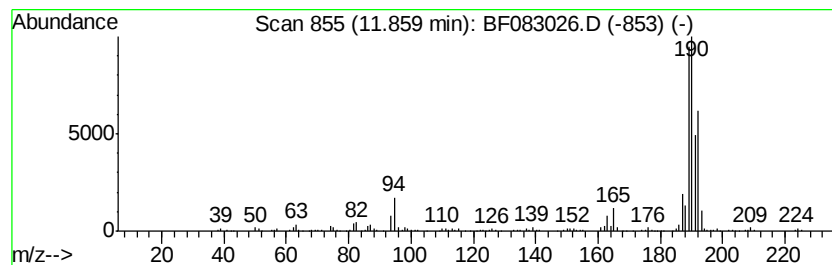
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	17.09 ng	786435	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	38
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083026.D
Acq On : 18 Nov 2015 23:53
Operator : UM/IZ
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Misc :
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Instrument :
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ClientSampleId :
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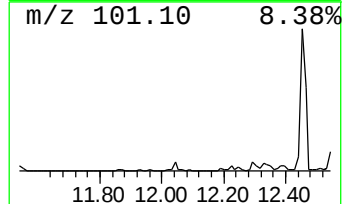
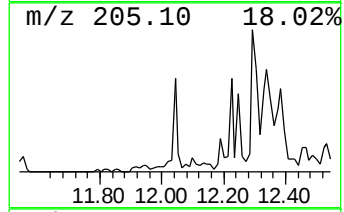
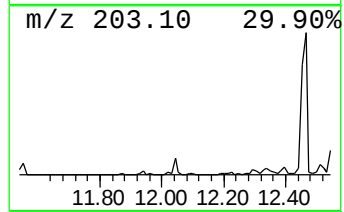
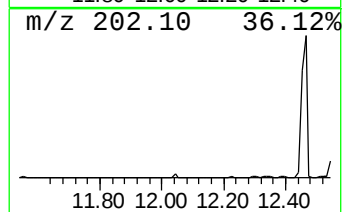
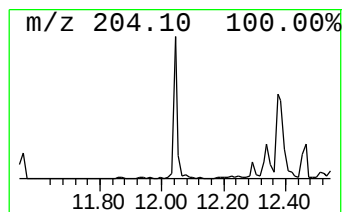
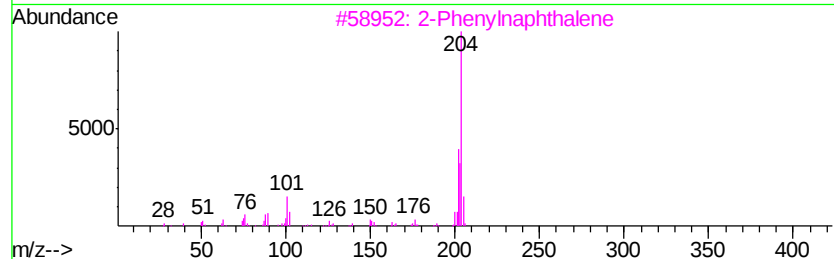
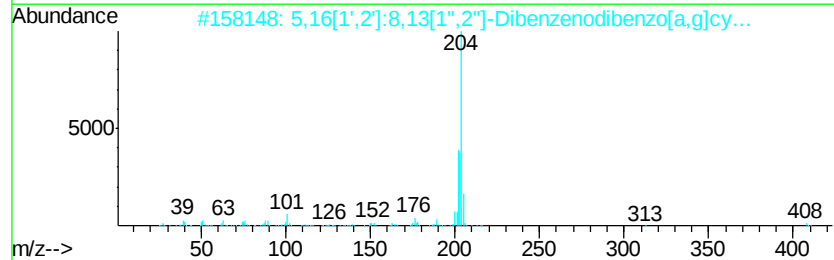
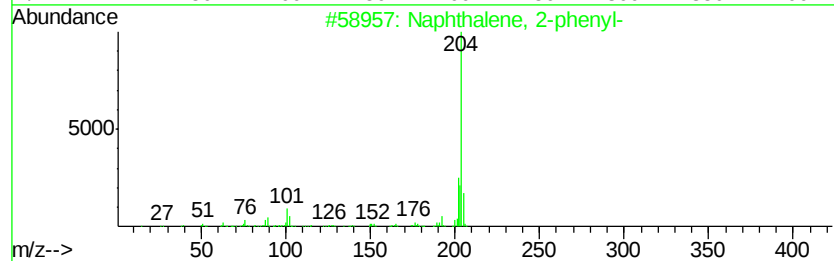
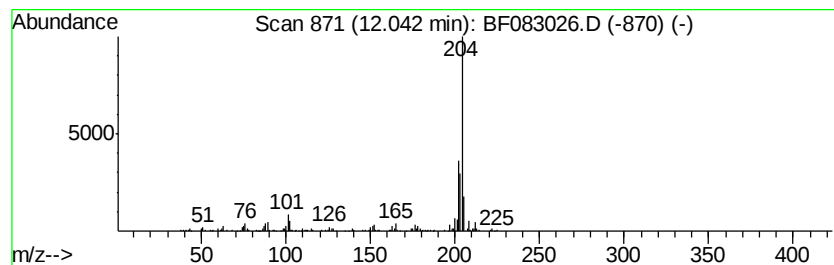
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	6.17 ng	283676	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3		2-Phenylnaphthalene	204	C16H12	035465-71-5	76
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083026.D
Acq On : 18 Nov 2015 23:53
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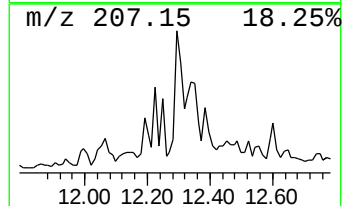
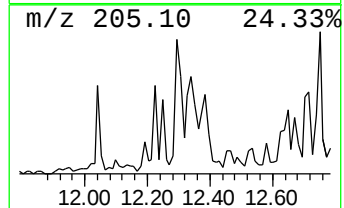
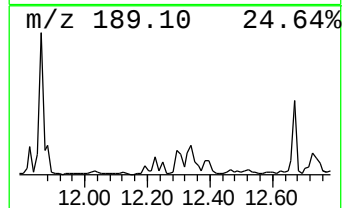
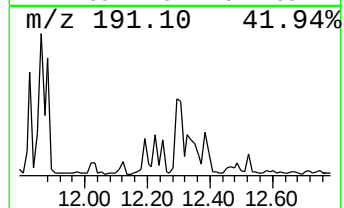
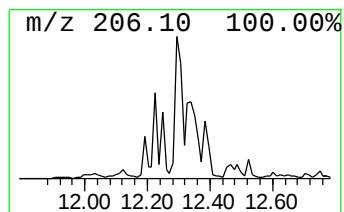
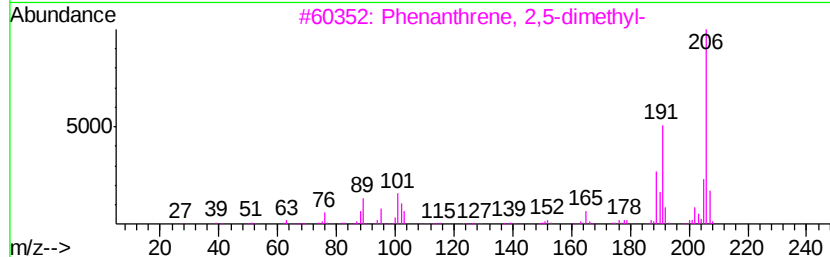
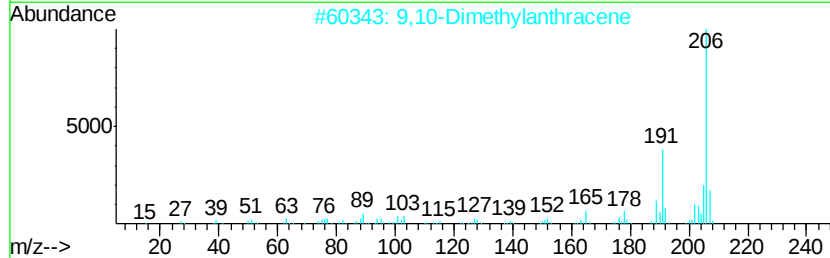
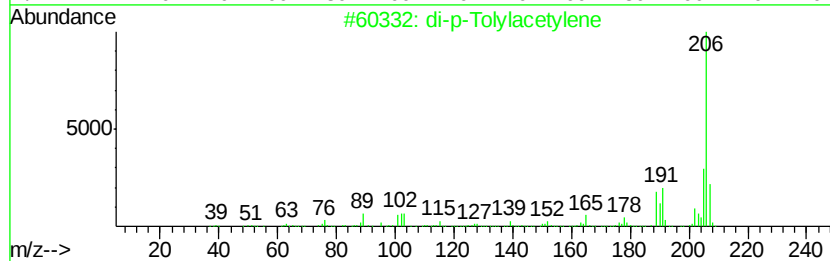
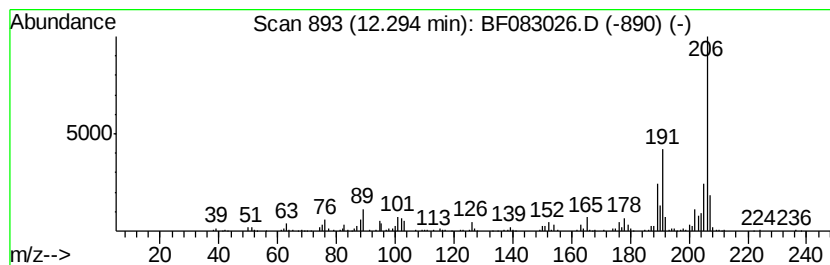
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 di-p-Tolylacetylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	10.27 ng	472468	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	95
3		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083026.D
Acq On : 18 Nov 2015 23:53
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Misc :
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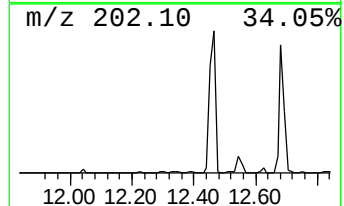
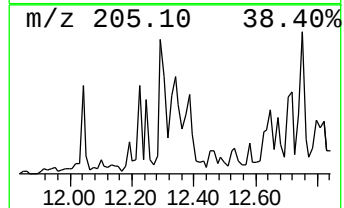
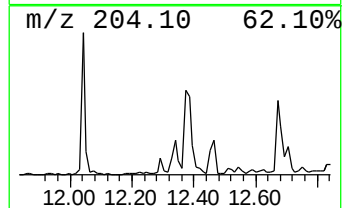
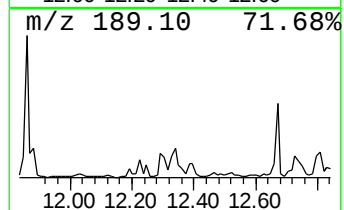
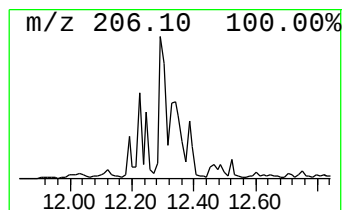
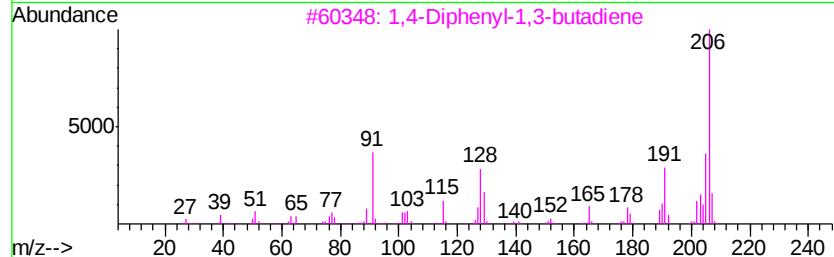
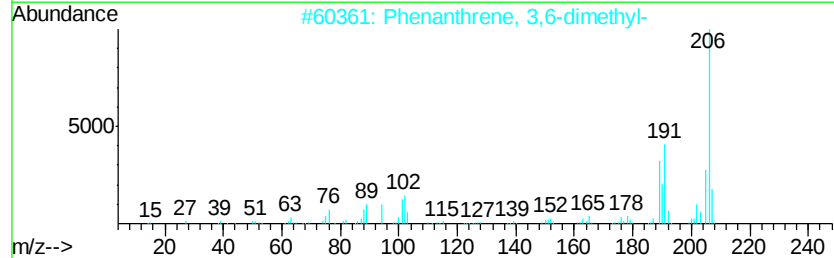
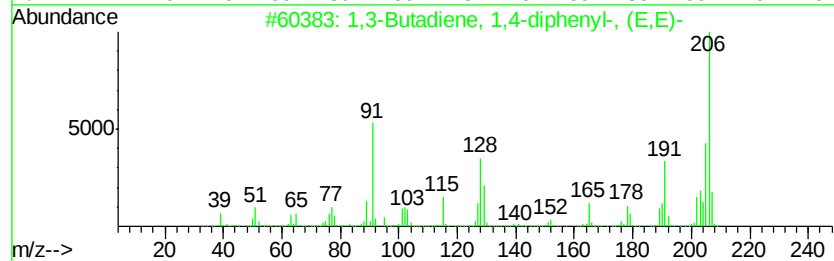
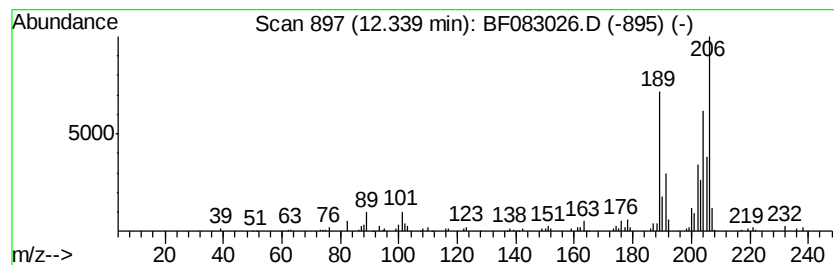
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown12.34 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	6.22 ng	285951	Phenanthrene-d10	11.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	46
2			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	43
3			1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	43
4			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	43
5			9,10-Dimethylantracene	206	C16H14	000781-43-1	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083026.D
Acq On : 18 Nov 2015 23:53
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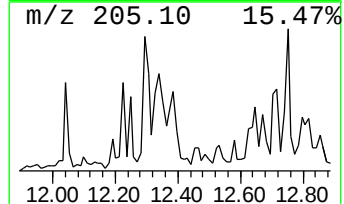
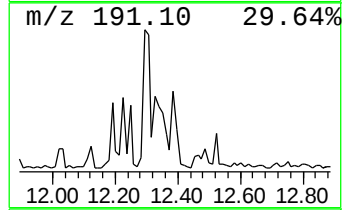
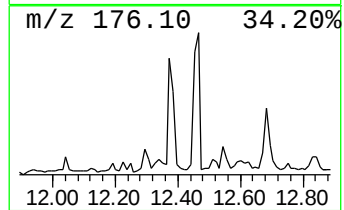
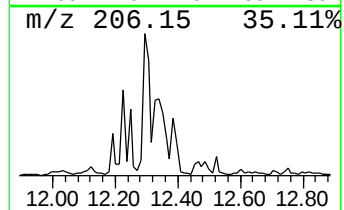
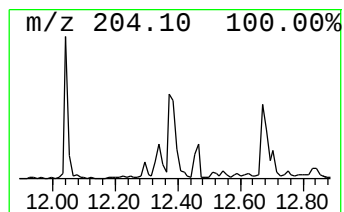
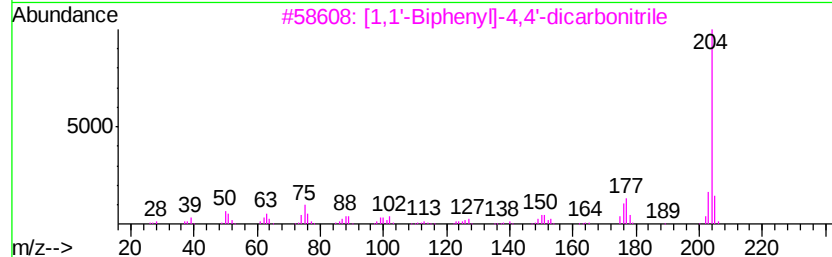
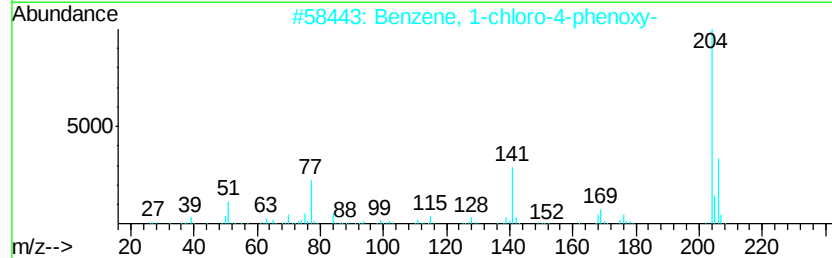
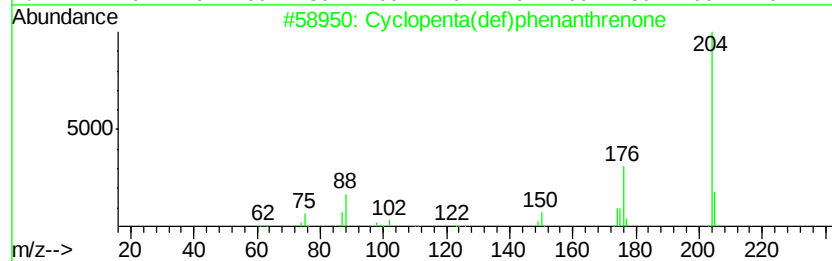
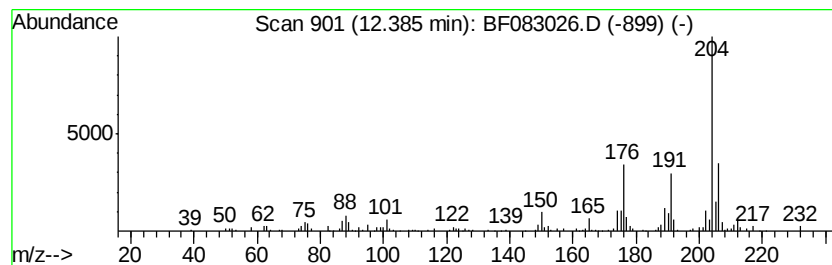
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	6.65 ng	305991	Phenanthrene-d10	11.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	58
2			Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	47
3			[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4			Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	47
5			[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
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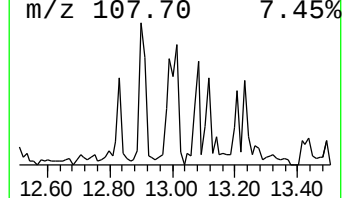
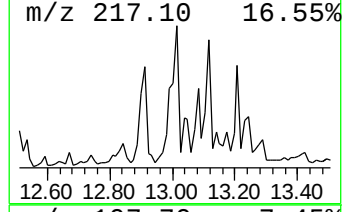
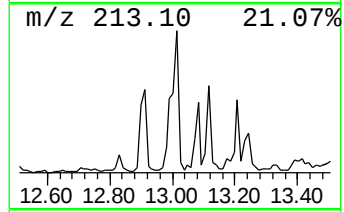
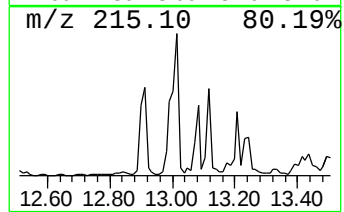
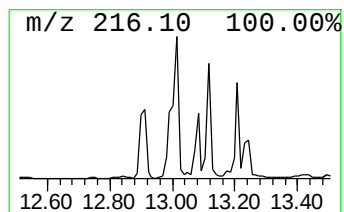
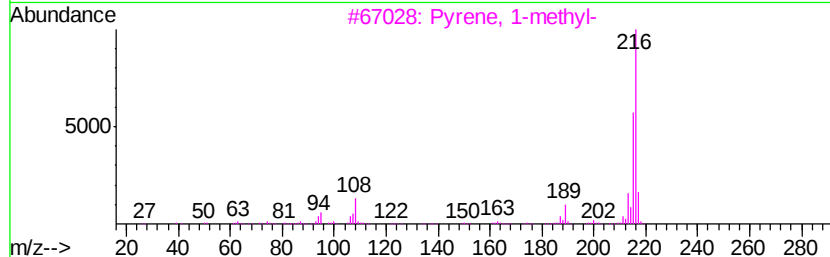
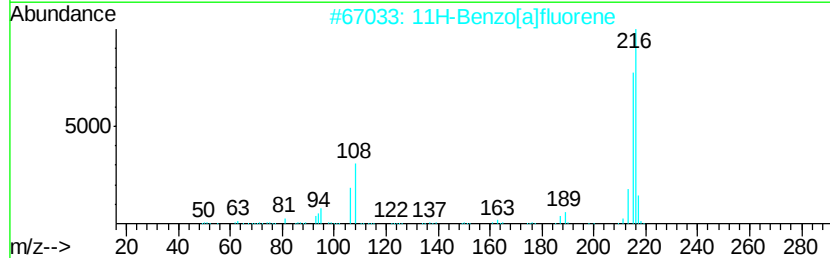
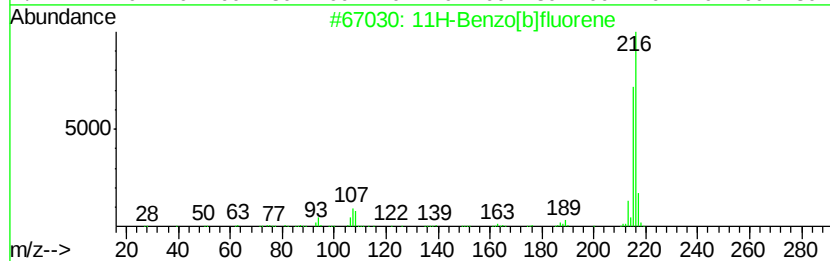
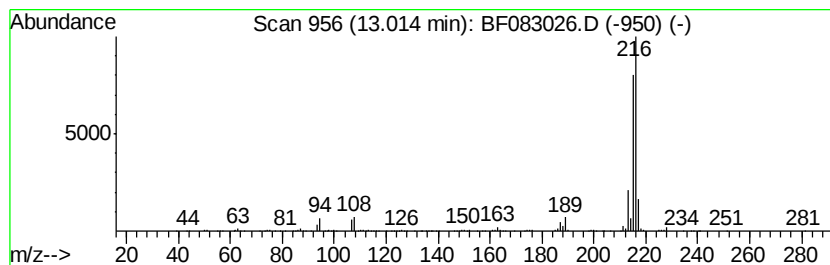
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	6.08 ng	870920	Chrysene-d12	13.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3			Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5			Pyrene, 2-methyl-	216	C17H12	003442-78-2	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083026.D
Acq On : 18 Nov 2015 23:53
Operator : UM/IZ
Sample : G4436-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PM-1356

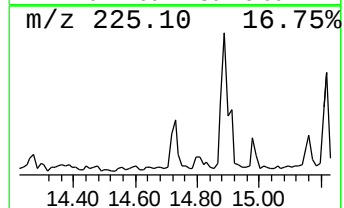
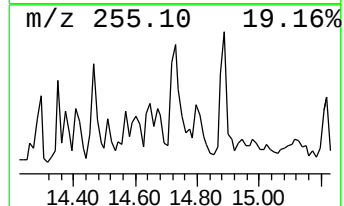
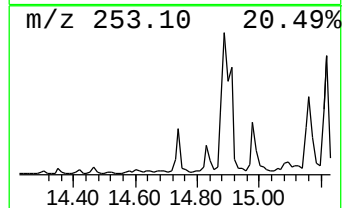
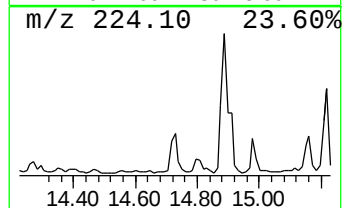
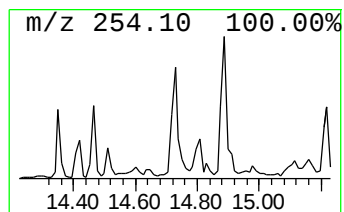
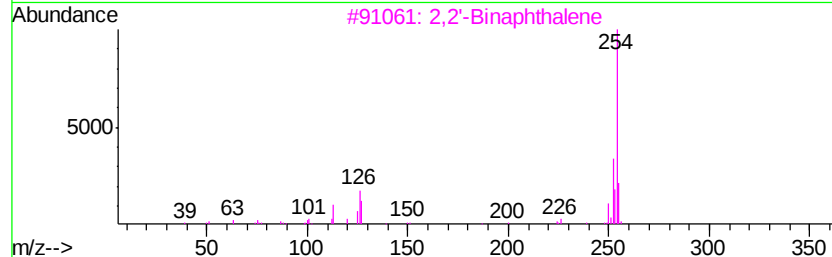
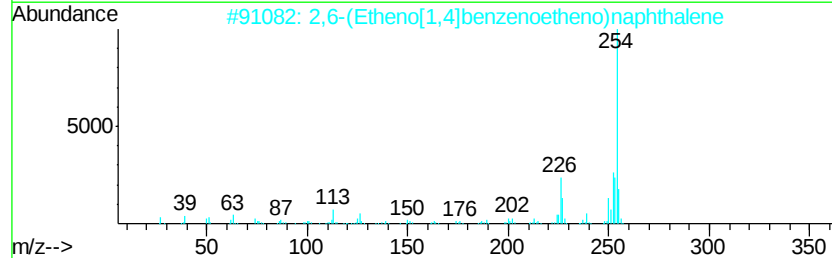
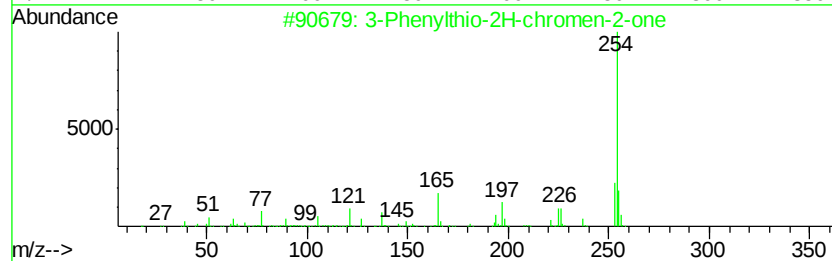
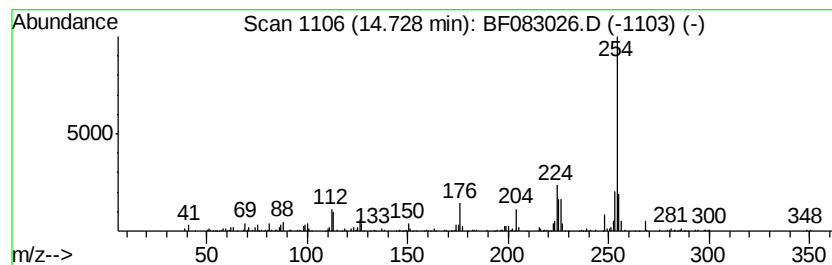
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 3-Phenylthio-2H-chromen-2-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	11.66 ng	377099	Perylene-d12	15.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	64
2		2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	58
3		2,2'-Binaphthalene	254	C20H14	000612-78-2	58
4		3-Hydroxy-1-methoxyanthraquinone	254	C15H10O4	028504-24-7	53
5		9,10-Anthracenedione, 1-hydroxy-...	254	C15H10O4	024094-45-9	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083026.D
Acq On : 18 Nov 2015 23:53
Operator : UM/IZ
Sample : G4436-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PM-1356

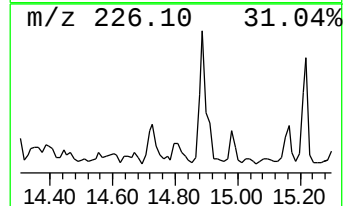
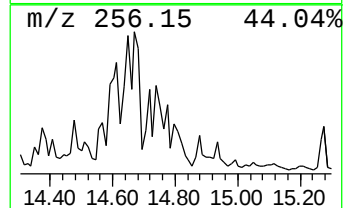
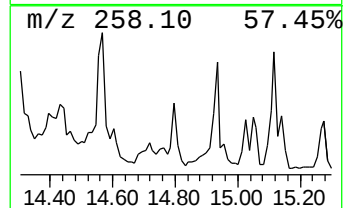
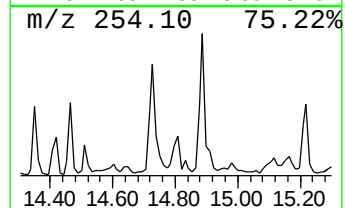
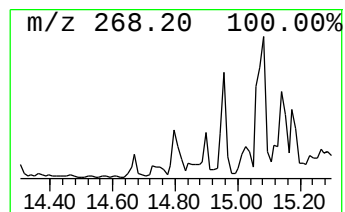
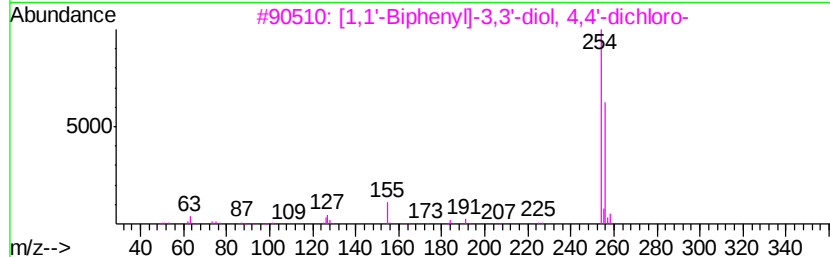
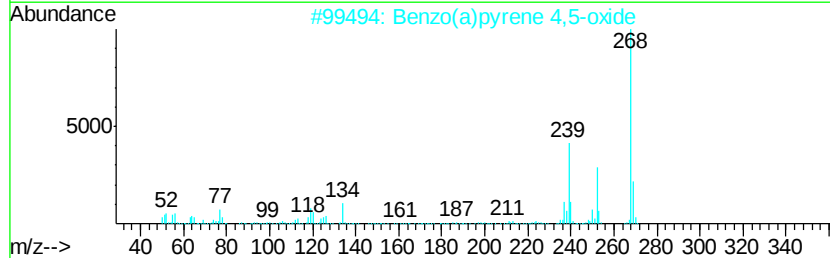
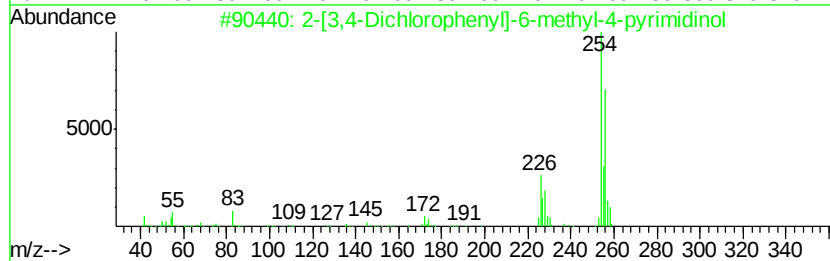
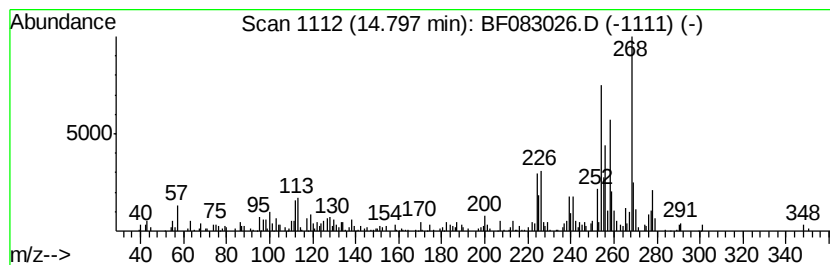
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown14.80 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	6.03 ng	195172	Perylene-d12	15.28

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2	-[3,4-Dichlorophenyl]-6-methyl-...	254	C11H8Cl2N2O	1000253-43-7	30	
2		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	30	
3		[1,1'-Biphenyl]-3,3'-diol, 4,4'-...	254	C12H8Cl2O2	053905-37-6	22	
4		1-Hydroxy-3-methoxy-6-methylanth...	268	C16H12O4	022225-63-4	20	
5		9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	18	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083026.D
Acq On : 18 Nov 2015 23:53
Operator : UM/IZ
Sample : G4436-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

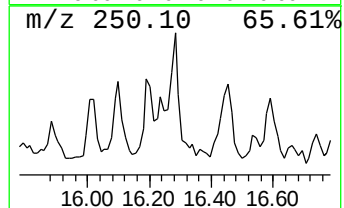
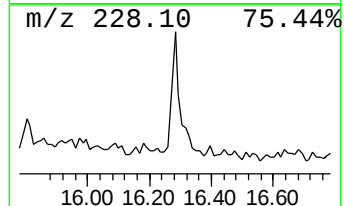
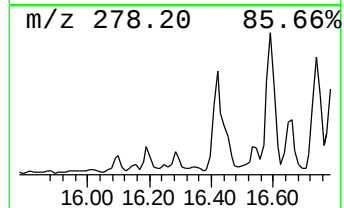
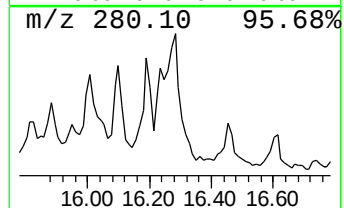
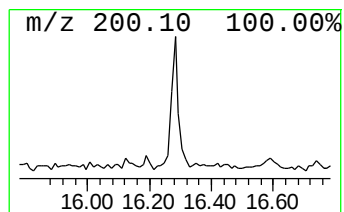
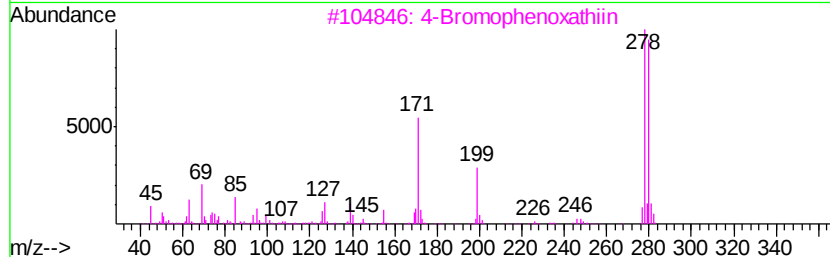
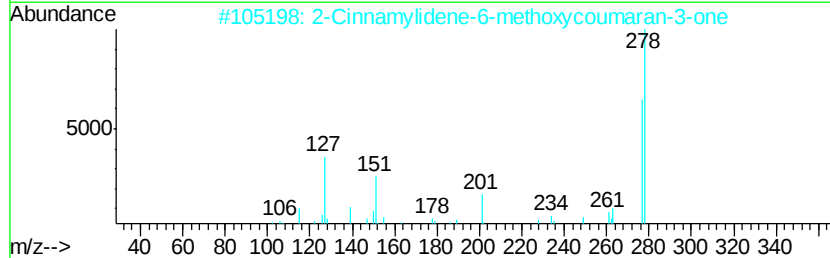
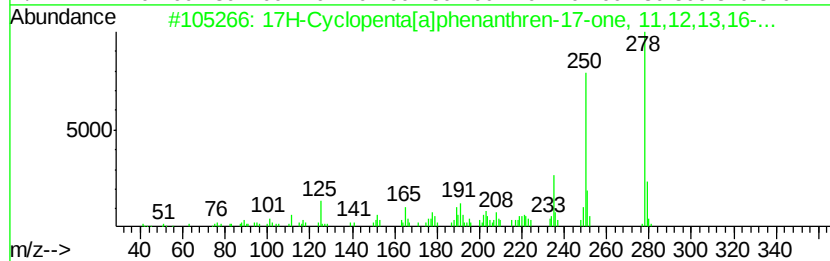
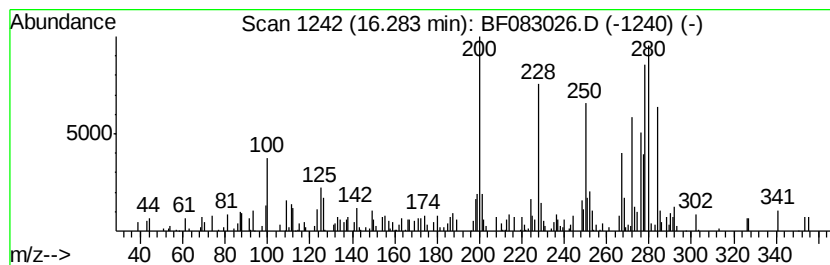
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown16.28 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.28	6.39 ng	206641	Perylene-d12	15.28		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	17H-Cyclopenta[a]phenanthren-17-...	278	C19H18O2	056614-59-6	25	
2	2-Cinnamylidene-6-methoxycoumara...	278	C18H14O3	077765-15-2	11	
3	4-Bromophenoxathiin	278	C12H7BrOS	105906-37-4	10	
4	Naphtho[2,3-d]thiazol-2-amine, 4...	278	C11H7BrN2S	1000270-99-8	10	
5	Bicyclo[4.1.0]hepta-1,3,5-triene...	278	C19H12F2	052326-84-8	10	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083026.D
Acq On : 18 Nov 2015 23:53
Operator : UM/IZ
Sample : G4436-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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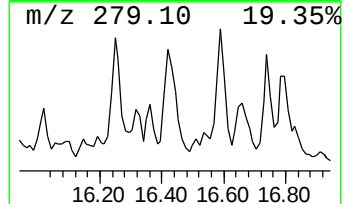
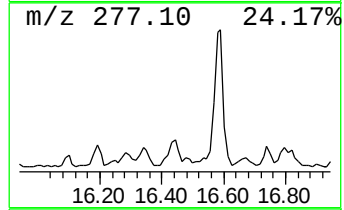
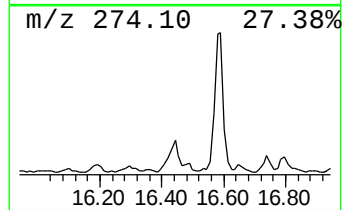
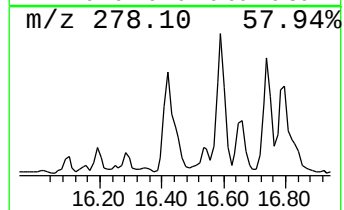
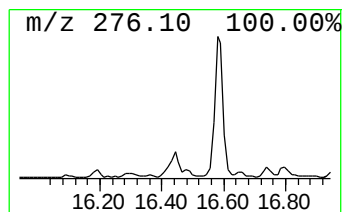
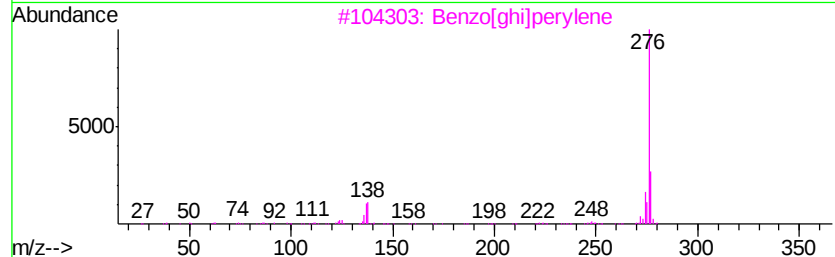
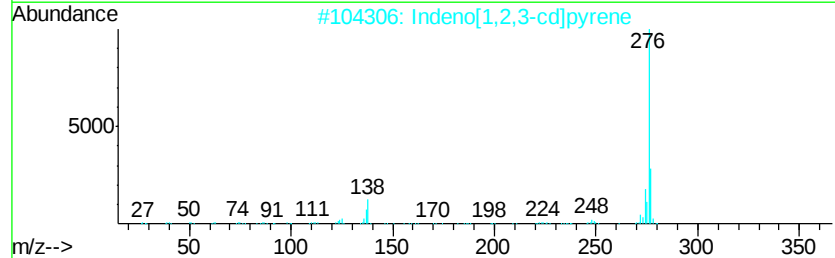
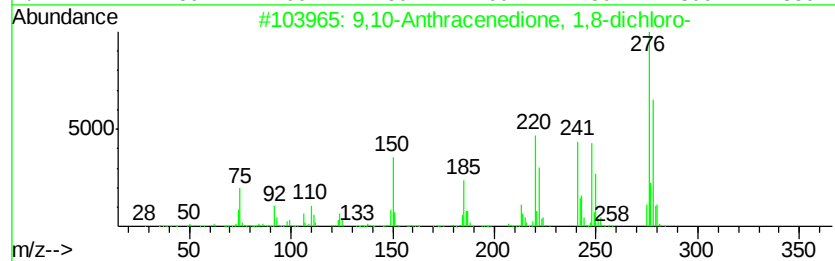
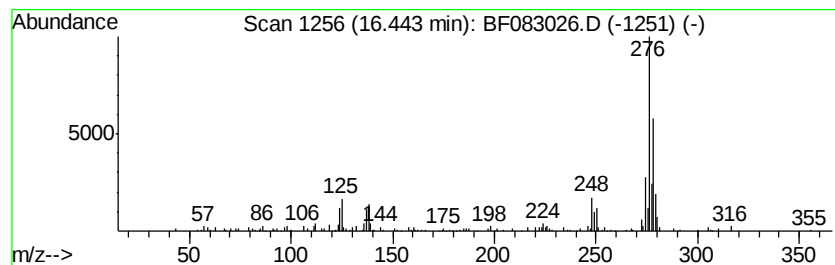
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 9,10-Anthracenedione, 1,8-d... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	8.16 ng	263903	Perylene-d12	15.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione, 1,8-dichloro-	276	C14H6Cl2O2	000082-43-9	64
2		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	50
3		Benzo[ghi]perylene	276	C22H12	000191-24-2	45
4		2-Thiophenecarbaldehyde, 5-[5-(t...	276	C13H8OS3	1000217-28-5	43
5		12H-Benzothieno[2,3-d]pyrido[1,2...	276	C14H16N2S2	102254-63-7	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
 Data File : BF083026.D
 Acq On : 18 Nov 2015 23:53
 Operator : UM/IZ
 Sample : G4436-03 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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...	4.86	11.6	ng	427826	1	6.73	740820	20.0
Phenol, 3-(2-phen...	11.01	5.1	ng	235788	4	11.24	920106	20.0
Phenanthrene, 2-m...	11.75	5.8	ng	264762	4	11.24	920106	20.0
Phenanthrene, 1-m...	11.78	9.0	ng	412884	4	11.24	920106	20.0
4H-Cyclopenta[def...	11.86	17.1	ng	786435	4	11.24	920106	20.0
Naphthalene, 2-ph...	12.04	6.2	ng	283676	4	11.24	920106	20.0
di-p-Tolylacetylene	12.29	10.3	ng	472468	4	11.24	920106	20.0
unknown12.34	12.34	6.2	ng	285951	4	11.24	920106	20.0
Cyclopenta(def)ph...	12.39	6.7	ng	305991	4	11.24	920106	20.0
11H-Benzo[b]fluorene	13.01	6.1	ng	870920	5	13.88	2864210	20.0
3-Phenylthio-2H-c...	14.73	11.7	ng	377099	6	15.28	646814	20.0
unknown14.80	14.80	6.0	ng	195172	6	15.28	646814	20.0
unknown16.28	16.28	6.4	ng	206641	6	15.28	646814	20.0
9,10-Anthracenedi...	16.44	8.2	ng	263903	6	15.28	646814	20.0