

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
 Data File : BF090914.D
 Acq On : 28 Oct 2016 18:01
 Operator : UM/SJ
 Sample : H5422-05RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2-COMPRES

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-BF102616.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	4.921	245	248	258	rBV	698925	981616	5.50%	0.404%
2	5.356	283	286	289	rBV	3535782	3685118	20.64%	1.517%
3	6.407	375	378	380	rBV	3572830	4071894	22.80%	1.677%
4	6.533	386	389	391	rBV	3651210	4264372	23.88%	1.756%
5	6.762	407	409	411	rBV	931060	865563	4.85%	0.356%
6	6.922	420	423	424	rBV	2674344	3245954	18.18%	1.337%
7	7.333	456	459	461	rBV	1975275	2523804	14.13%	1.039%
8	8.076	519	524	526	rBV2	4263982	5732288	32.10%	2.360%
9	8.408	551	553	555	rBV	262752	334336	1.87%	0.138%
10	8.762	582	584	587	rVV	2291238	2183506	12.23%	0.899%
11	8.865	590	593	595	rVB	1655124	1672049	9.36%	0.688%
12	9.128	614	616	619	rBV	4197405	3817028	21.38%	1.572%
13	9.230	620	625	627	rBV	760897	1060891	5.94%	0.437%
14	9.322	630	633	636	rBV	545387	652035	3.65%	0.268%
15	9.390	636	639	641	rBV	745994	1039584	5.82%	0.428%
16	9.459	643	645	647	rBV	1027334	1466065	8.21%	0.604%
17	9.493	647	648	649	rVV	632882	452909	2.54%	0.186%
18	9.528	649	651	653	rVB	767500	765148	4.29%	0.315%
19	9.585	653	656	658	rBV2	465824	940914	5.27%	0.387%
20	9.665	661	663	665	rBV	607536	610214	3.42%	0.251%
21	9.711	665	667	669	rVB2	446887	552293	3.09%	0.227%
22	9.802	672	675	676	rBV2	1377939	1850579	10.36%	0.762%
23	9.836	676	678	680	rVB	3734907	4757811	26.65%	1.959%
24	9.916	683	685	687	rBV	348319	521636	2.92%	0.215%
25	9.962	687	689	690	rBV2	484597	445051	2.49%	0.183%
26	10.008	691	693	695	rBV	3140223	3688293	20.66%	1.519%
27	10.122	701	703	707	rBV3	522545	1448346	8.11%	0.596%
28	10.213	709	711	713	rBV2	818905	1008036	5.65%	0.415%
29	10.351	721	723	726	rBV	3197030	4381080	24.54%	1.804%
30	10.419	726	729	730	rVV	697453	1177547	6.59%	0.485%
31	10.488	732	735	736	rVV2	537752	1037634	5.81%	0.427%
32	10.511	736	737	740	rVV	1326717	1104089	6.18%	0.455%
33	10.591	742	744	746	rVV	2381690	3713453	20.80%	1.529%
34	10.636	746	748	750	rVV2	392912	625778	3.50%	0.258%

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35	10.716	754	755	759	rVB2	591874	763208	4.27%	0.314%
36	10.899	768	771	772	rBV	805360	1265852	7.09%	0.521%
37	11.048	780	784	786	rBV4	475176	1388895	7.78%	0.572%
38	11.105	786	789	791	rVV	962617	1382510	7.74%	0.569%
39	11.151	791	793	794	rVV	558734	763650	4.28%	0.314%
40	11.185	794	796	800	rVB	2027483	2415187	13.53%	0.994%
41	11.334	803	809	811	rBV	6566101	17855332	100.00%	7.352%
42	11.379	811	813	814	rVV	5311394	5378594	30.12%	2.215%
43	11.402	814	815	818	rVV	642652	629447	3.53%	0.259%
44	11.448	818	819	822	rVB2	230516	303511	1.70%	0.125%
45	11.528	822	826	828	rBV2	2829746	3420008	19.15%	1.408%
46	11.585	830	831	833	rVB2	469170	502998	2.82%	0.207%
47	11.619	833	834	837	rBV2	300103	477807	2.68%	0.197%
48	11.745	843	845	847	rBV	215860	294063	1.65%	0.121%
49	11.791	847	849	851	rVV	1868429	2843291	15.92%	1.171%
50	11.825	851	852	854	rVV	3326905	2655409	14.87%	1.093%
51	11.871	854	856	857	rVV	1441136	1336464	7.48%	0.550%
52	11.905	857	859	863	rVB2	3007754	5207192	29.16%	2.144%
53	11.974	863	865	866	rBV	302024	287290	1.61%	0.118%
54	12.088	873	875	876	rBV	1462008	1369860	7.67%	0.564%
55	12.122	876	878	880	rVB	1129317	1216379	6.81%	0.501%
56	12.236	886	888	890	rBV	432928	518297	2.90%	0.213%
57	12.271	890	891	892	rVV	408055	291591	1.63%	0.120%
58	12.339	895	897	899	rBV	731238	1247401	6.99%	0.514%
59	12.385	899	901	904	rVB4	553903	945626	5.30%	0.389%
60	12.442	904	906	909	rVB	757457	1133328	6.35%	0.467%
61	12.522	909	913	915	rBV	6218094	13505160	75.64%	5.561%
62	12.568	915	917	919	rVB2	295226	523416	2.93%	0.216%
63	12.659	922	925	926	rBV	1091504	1348350	7.55%	0.555%
64	12.739	929	932	935	rVV2	5786478	12361259	69.23%	5.090%
65	12.785	935	936	939	rVB2	974621	1042718	5.84%	0.429%
66	12.888	940	945	948	rBV3	2438056	5279414	29.57%	2.174%
67	12.957	948	951	955	rBV3	1175172	2552594	14.30%	1.051%
68	13.071	957	961	962	rVB	1908939	3132890	17.55%	1.290%
69	13.128	962	966	968	rBV	1230432	1819453	10.19%	0.749%
70	13.174	968	970	973	rVB2	1243660	1987627	11.13%	0.818%
71	13.265	976	978	979	rVB	564346	613648	3.44%	0.253%

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72	13.288	979	980	982	rBV	892014	962631	5.39%	0.396%
73	13.574	1003	1005	1009	rVB	1084007	1381032	7.73%	0.569%
74	13.688	1012	1015	1016	rBV	1198167	1869812	10.47%	0.770%
75	13.791	1022	1024	1027	rVB	1298777	1605692	8.99%	0.661%
76	13.940	1033	1037	1039	rBV2	4479238	10446797	58.51%	4.302%
77	13.974	1039	1040	1044	rVV	3998441	5090342	28.51%	2.096%
78	14.054	1044	1047	1049	rVV2	756786	1303866	7.30%	0.537%
79	14.168	1055	1057	1059	rVB2	622611	747921	4.19%	0.308%
80	14.294	1066	1068	1069	rBV	456992	654257	3.66%	0.269%
81	14.328	1069	1071	1073	rVV	1364143	1708002	9.57%	0.703%
82	14.362	1073	1074	1076	rVV	716846	612475	3.43%	0.252%
83	14.454	1080	1082	1085	rVB3	883099	1443359	8.08%	0.594%
84	14.980	1124	1128	1132	rBV	3863970	11334891	63.48%	4.667%
85	15.060	1134	1135	1137	rVB	923666	1200700	6.72%	0.494%
86	15.254	1149	1152	1155	rBV	2365101	4062737	22.75%	1.673%
87	15.323	1155	1158	1160	rVB	3862023	6436156	36.05%	2.650%
88	15.368	1160	1162	1163	rBV	911527	1190462	6.67%	0.490%
89	15.403	1163	1165	1168	rVB2	1627711	2521542	14.12%	1.038%
90	15.997	1215	1217	1225	rVB4	525636	1406930	7.88%	0.579%
91	16.397	1250	1252	1261	rVB5	601023	1827268	10.23%	0.752%
92	16.557	1262	1266	1274	rVB3	398385	1877483	10.51%	0.773%
93	16.751	1277	1283	1285	rVB	2363729	5282696	29.59%	2.175%
94	16.797	1285	1287	1291	rVB	309041	528464	2.96%	0.218%
95	16.888	1292	1295	1297	rBV	539607	1128492	6.32%	0.465%
96	16.946	1297	1300	1303	rVB2	412439	738695	4.14%	0.304%
97	17.163	1313	1319	1324	rBV	1842196	4952259	27.74%	2.039%
98	17.357	1333	1336	1344	rVB2	555749	1538559	8.62%	0.634%
99	19.220	1494	1499	1506	rVB	436276	1563623	8.76%	0.644%
100	19.391	1509	1514	1517	rBV	220578	704140	3.94%	0.290%

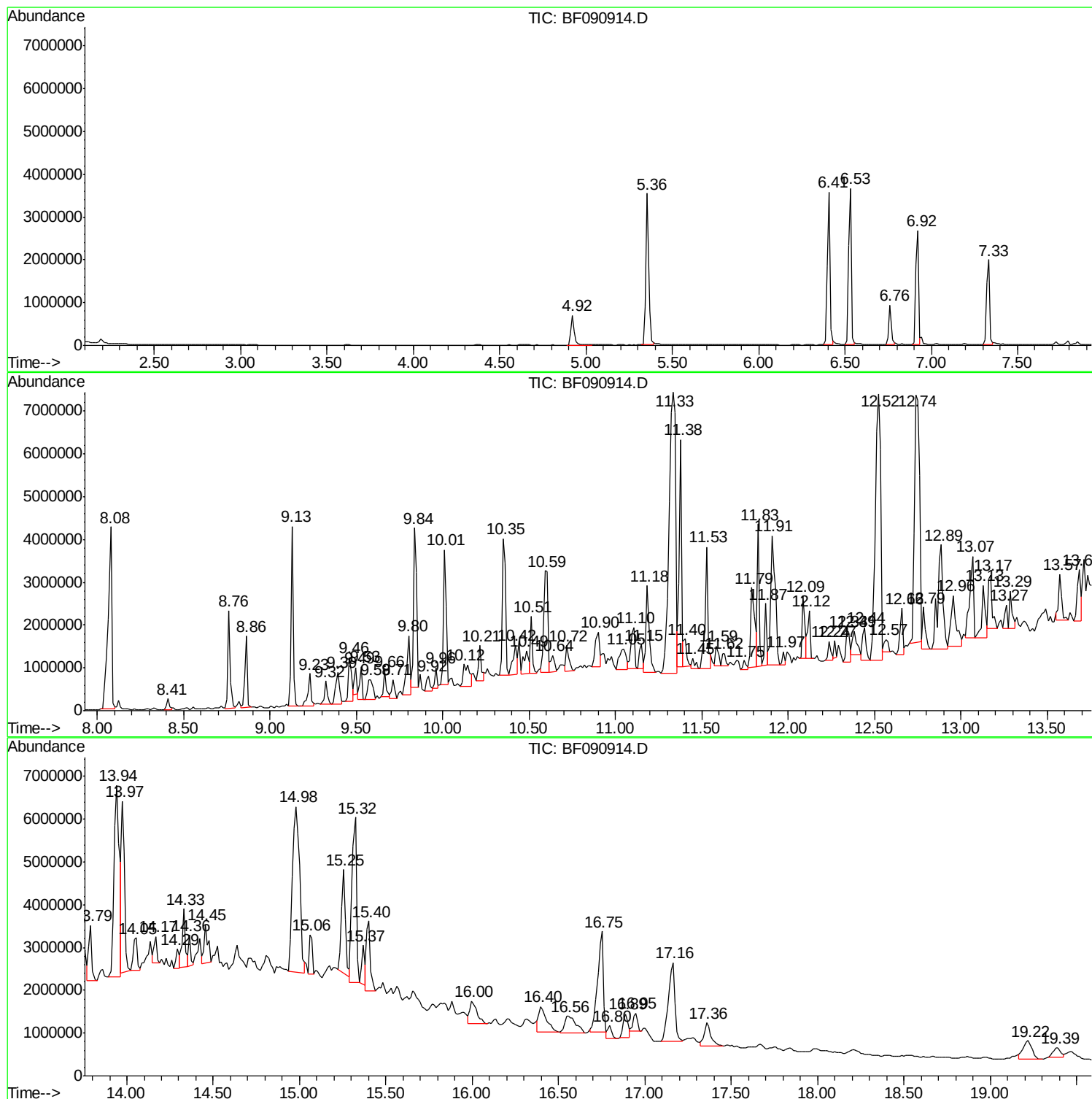
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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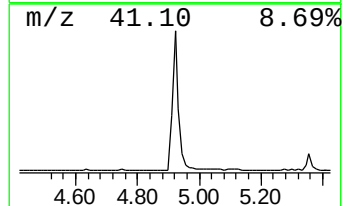
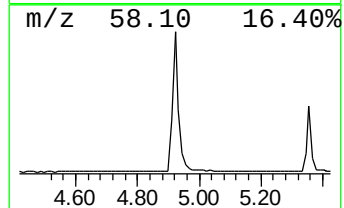
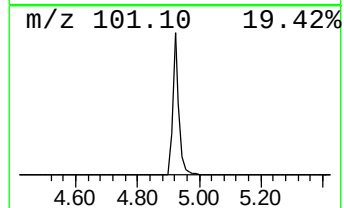
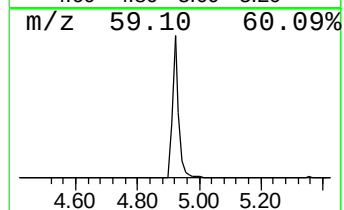
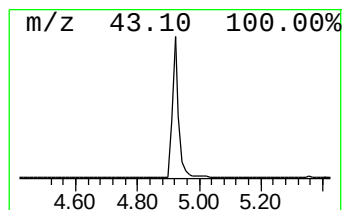
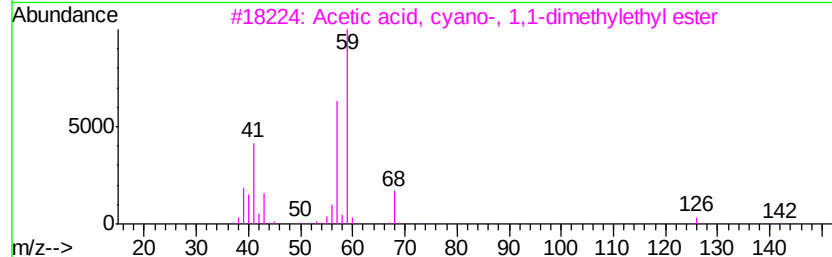
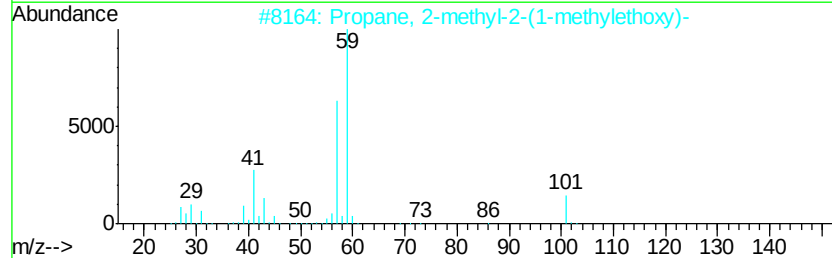
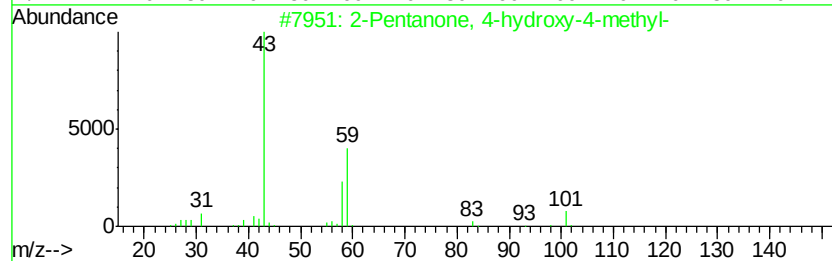
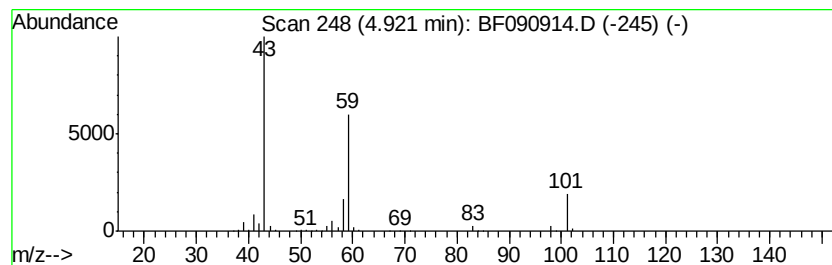
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.92	22.68 ng	981616	1,4-Dichlorobenzene-d4	6.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	28
3		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5		5-Hexen-2-one	98	C6H10O	000109-49-9	9



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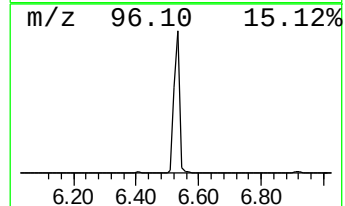
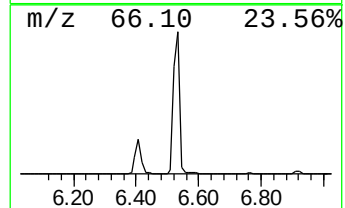
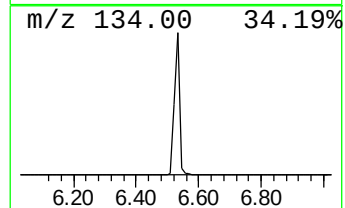
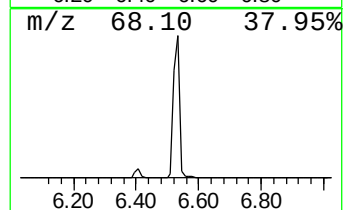
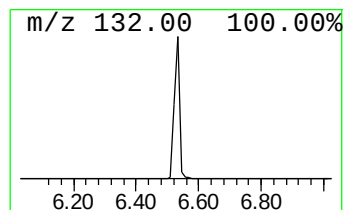
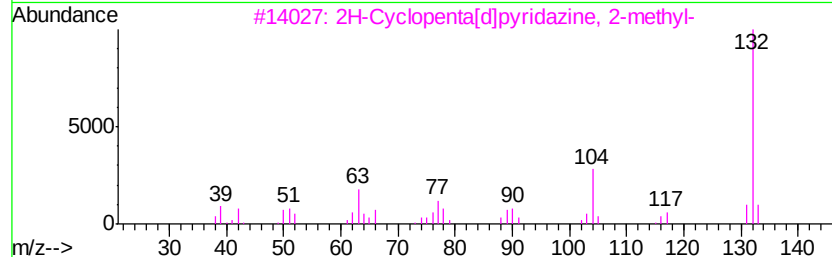
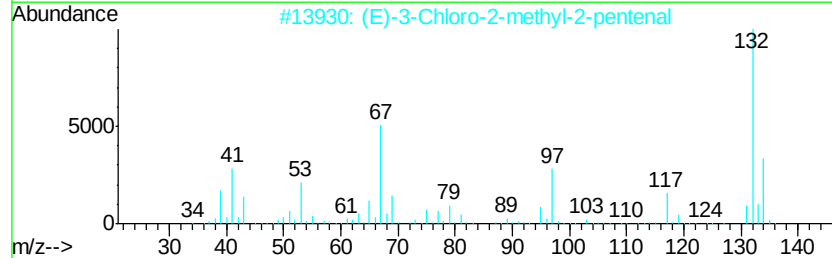
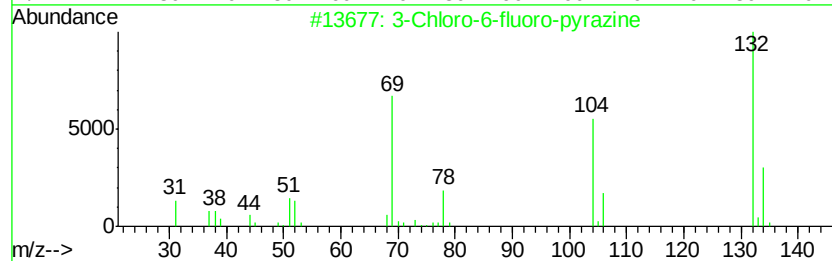
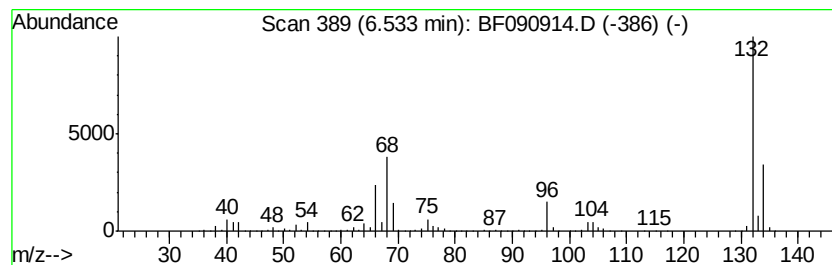
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.53 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	98.53 ng	4264370	1,4-Dichlorobenzene-d4	6.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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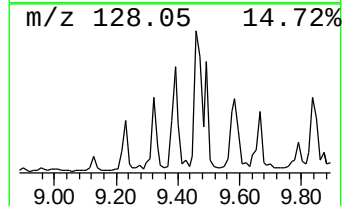
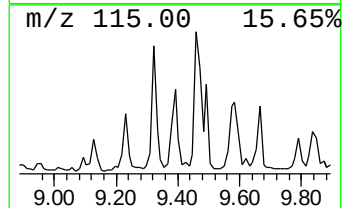
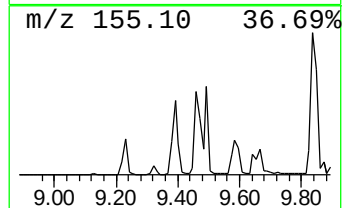
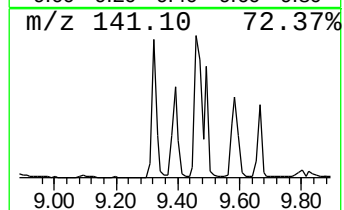
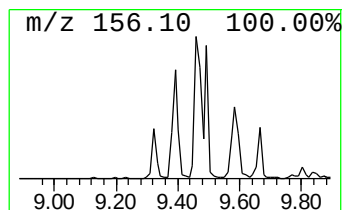
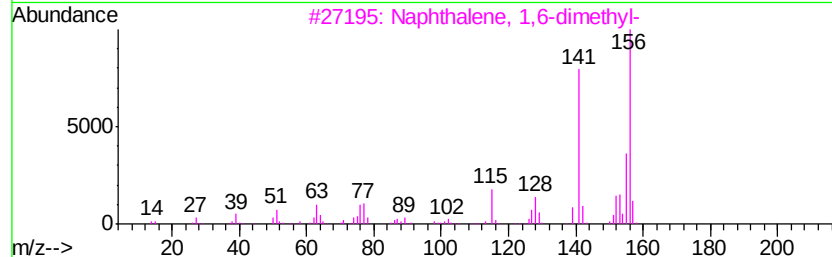
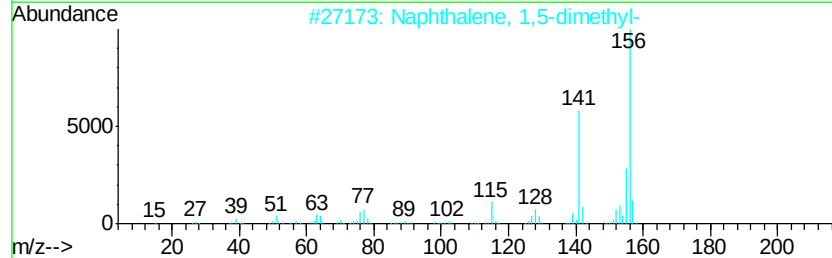
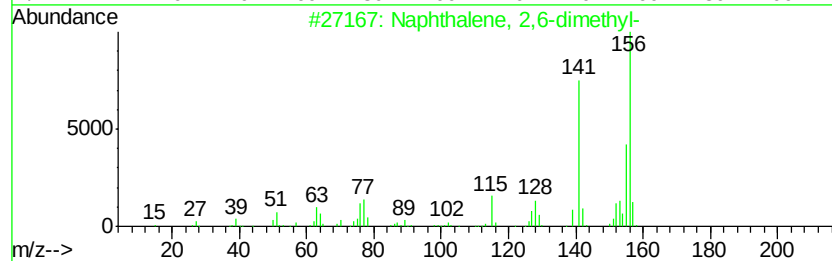
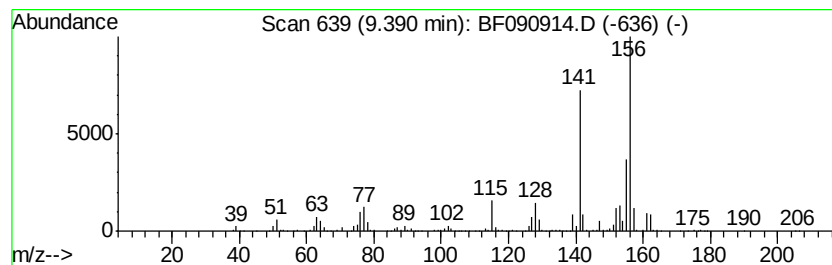
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.39	11.24 ng	1039580	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
Data File : BF090914.D
Acq On : 28 Oct 2016 18:01
Operator : UM/SJ
Sample : H5422-05RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-2-COMPRES

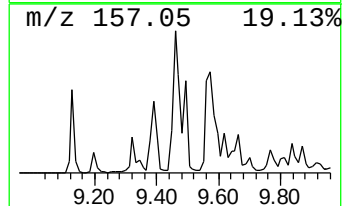
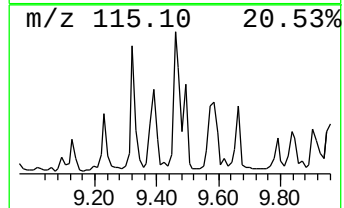
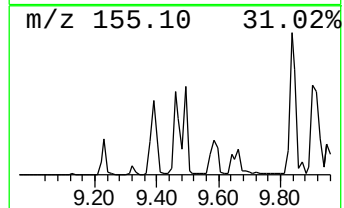
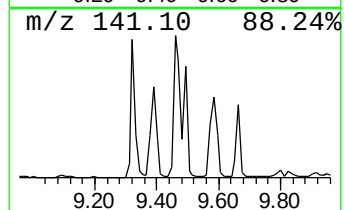
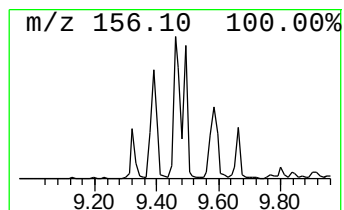
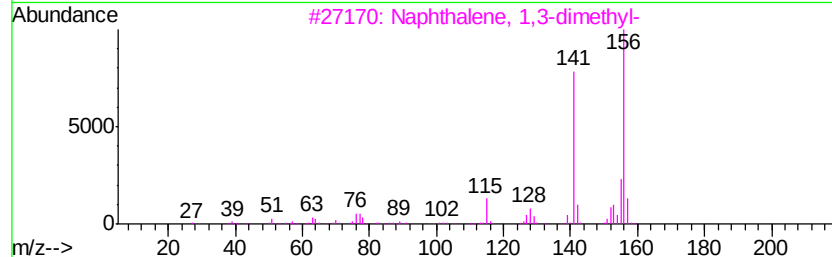
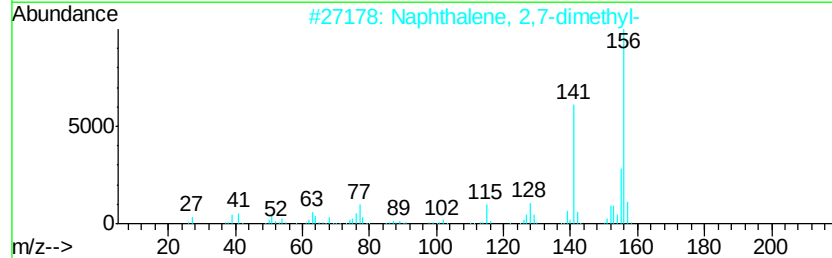
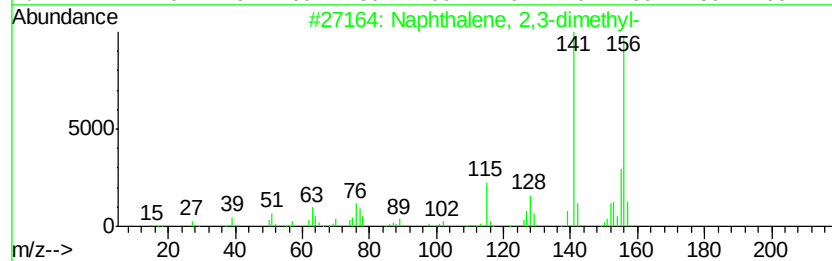
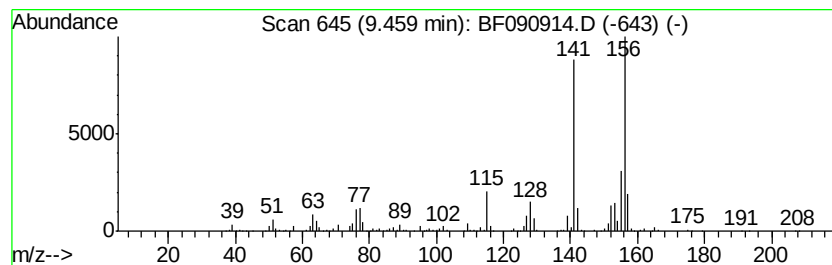
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	15.84 ng	1466070	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
Data File : BF090914.D
Acq On : 28 Oct 2016 18:01
Operator : UM/SJ
Sample : H5422-05RE
Misc :
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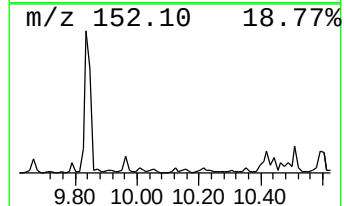
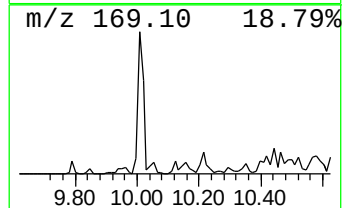
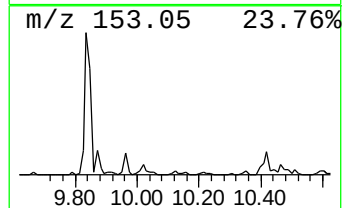
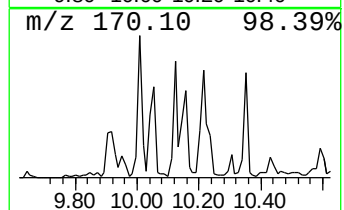
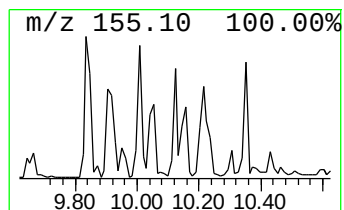
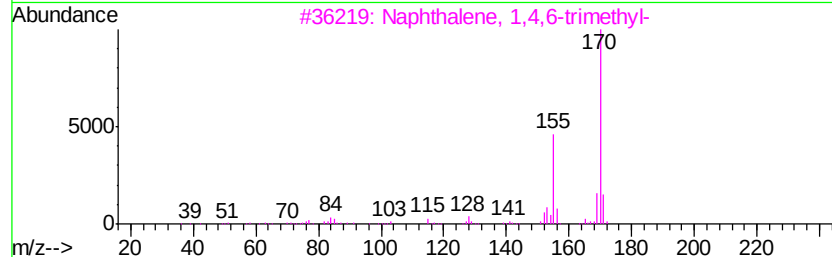
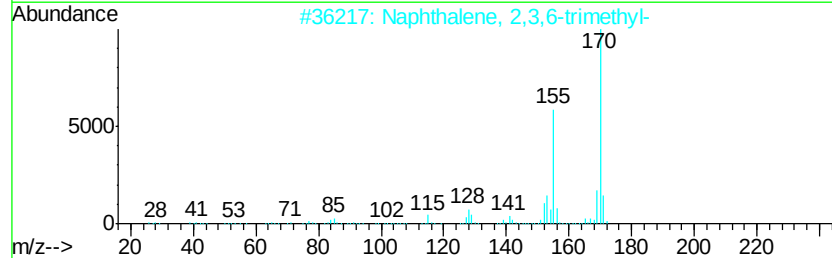
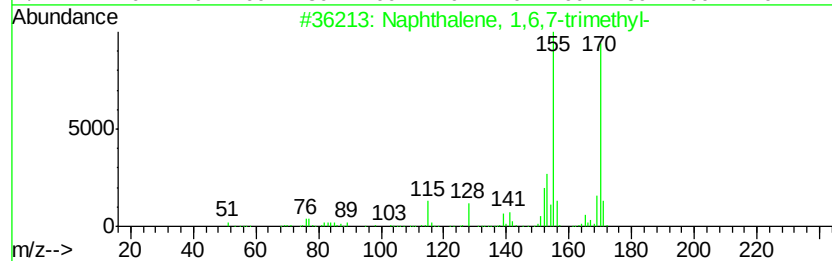
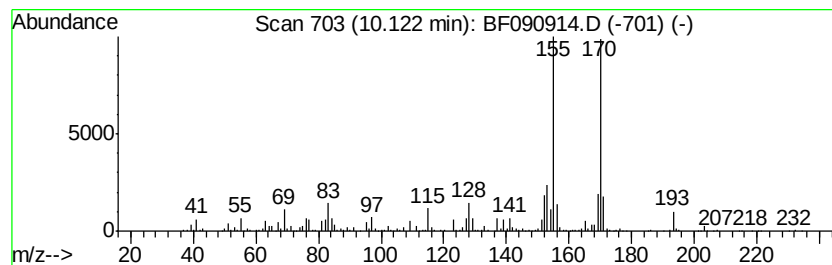
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 1,6,7-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.12	15.65 ng	1448350	Acenaphthene-d10		9.80	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene,	1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene,	2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene,	1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Azulene,	4,6,8-trimethyl-	170	C13H14	000941-81-1	94
5	Naphthalene,	1,4,5-trimethyl-	170	C13H14	002131-41-1	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
Data File : BF090914.D
Acq On : 28 Oct 2016 18:01
Operator : UM/SJ
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ClientSampleId :
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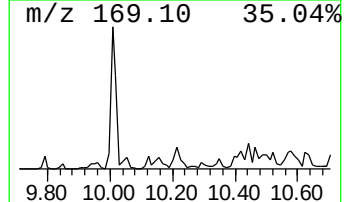
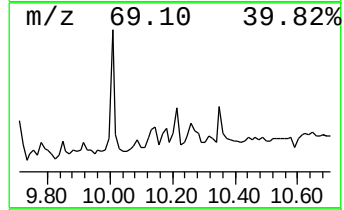
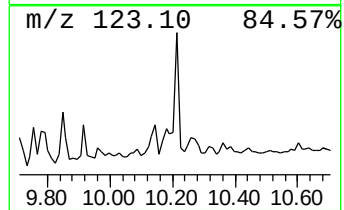
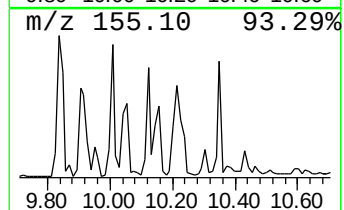
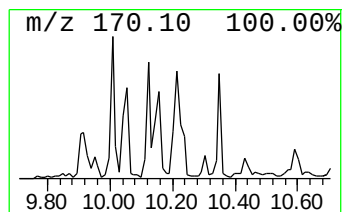
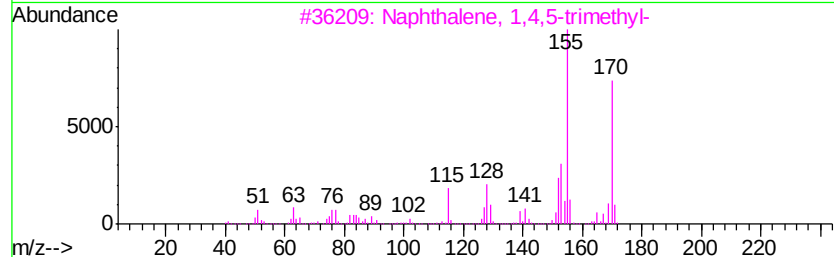
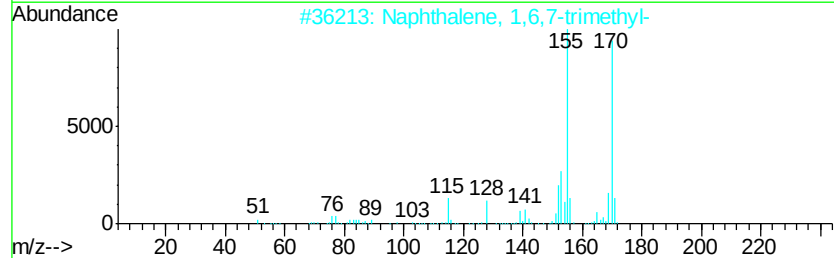
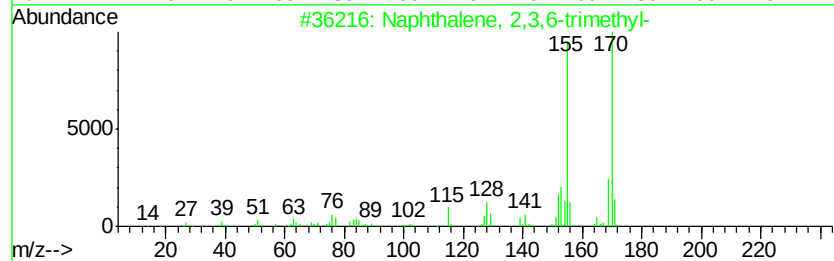
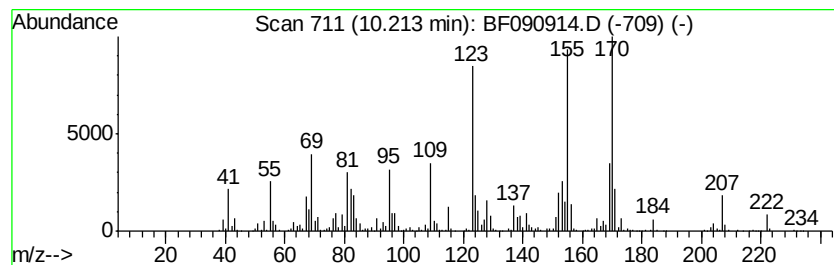
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 2,3,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	10.89 ng	1008040	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90
4		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	83
5		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	78



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
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Acq On : 28 Oct 2016 18:01
Operator : UM/SJ
Sample : H5422-05RE
Misc :
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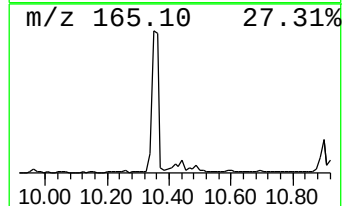
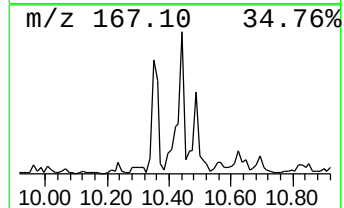
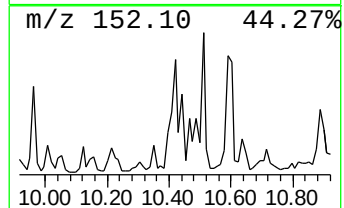
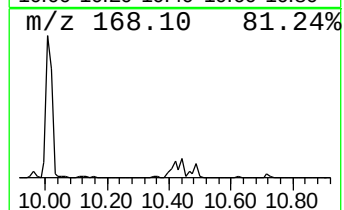
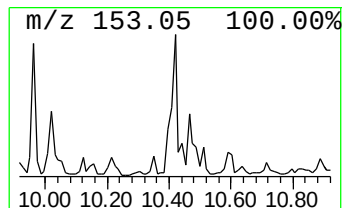
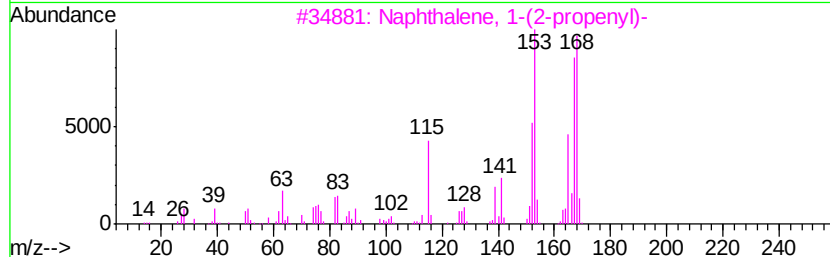
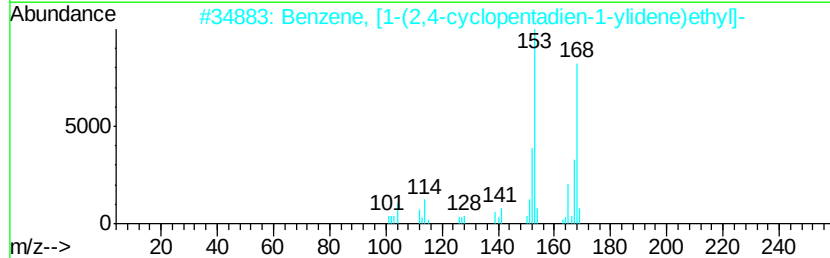
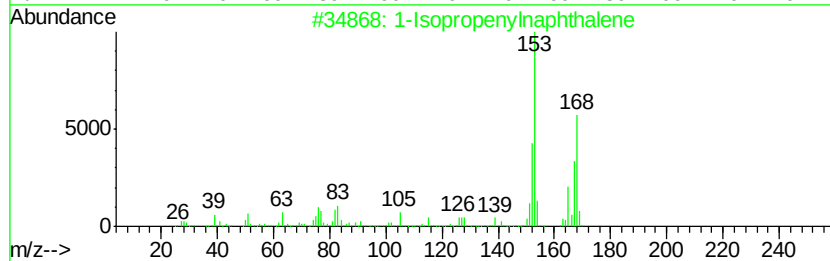
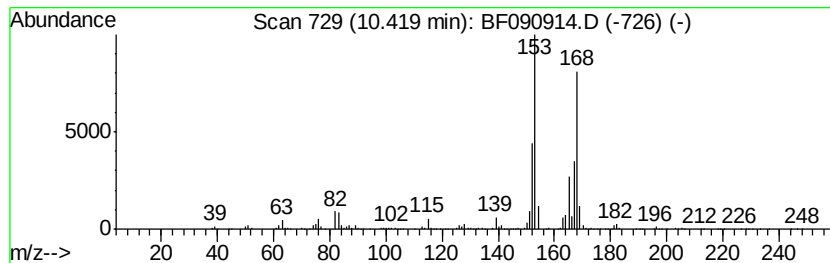
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1-Isopropenylnaphthalene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.42	12.73 ng	1177550	Acenaphthene-d10	9.80
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Isopropenylnaphthalene	168 C13H12	001855-47-6	93
2	Benzene, [1-(2,4-cyclopentadien-...	168 C13H12	002320-32-3	74
3	Naphthalene, 1-(2-propenyl)-	168 C13H12	002489-86-3	74
4	Naphthalene, 2-(1-methylethenyl)-	168 C13H12	003710-23-4	59
5	1,1'-Biphenyl, 2-methyl-	168 C13H12	000643-58-3	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
Data File : BF090914.D
Acq On : 28 Oct 2016 18:01
Operator : UM/SJ
Sample : H5422-05RE
Misc :
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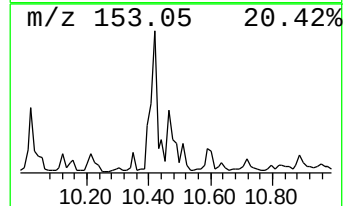
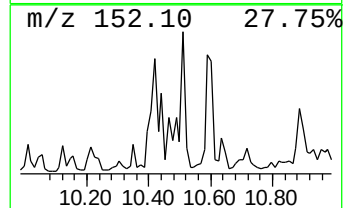
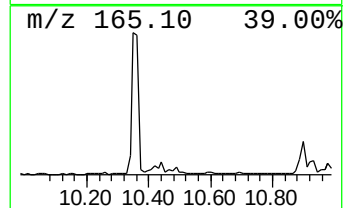
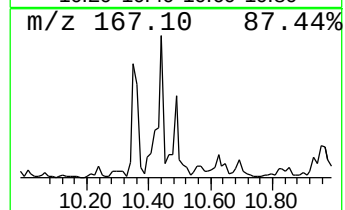
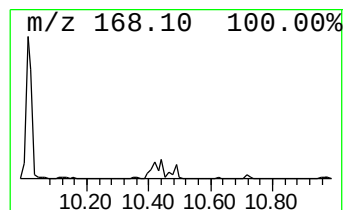
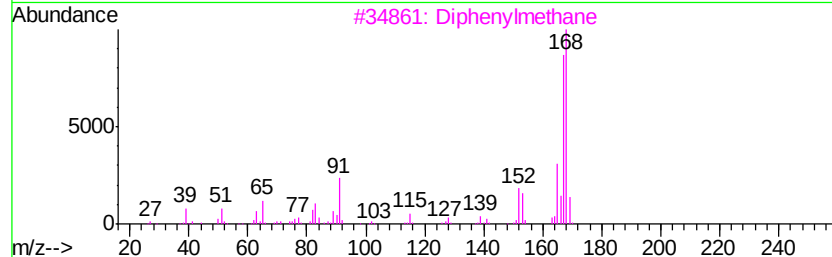
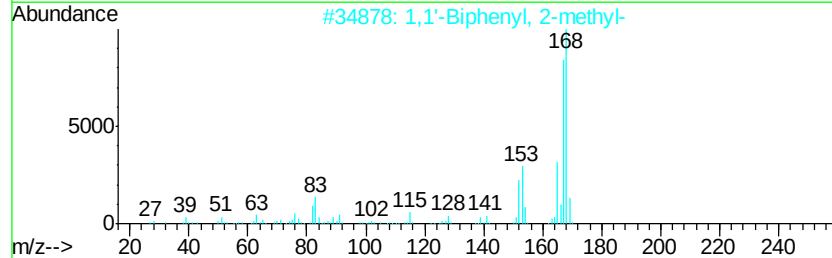
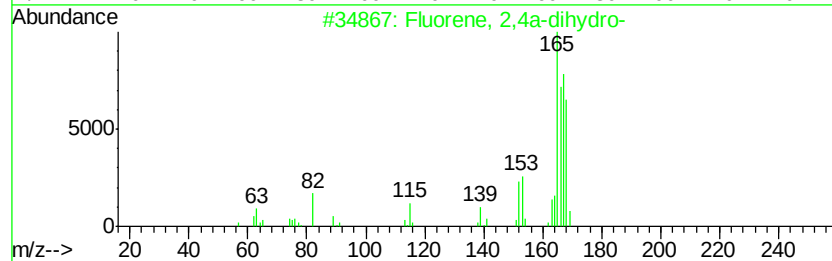
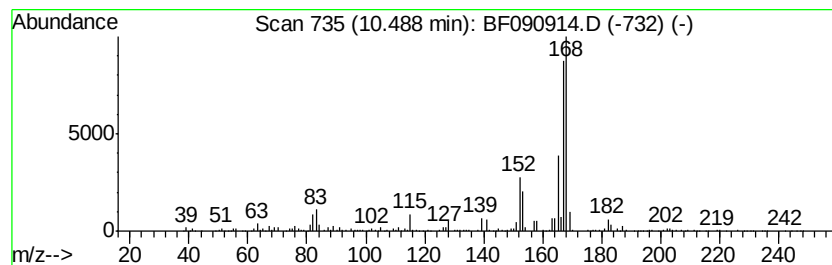
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Fluorene, 2,4a-dihydro- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	11.21 ng	1037630	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	76
2		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	76
3		Diphenylmethane	168	C13H12	000101-81-5	68
4		1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	64
5		Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
Data File : BF090914.D
Acq On : 28 Oct 2016 18:01
Operator : UM/SJ
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-2-COMPRES

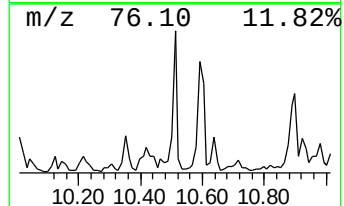
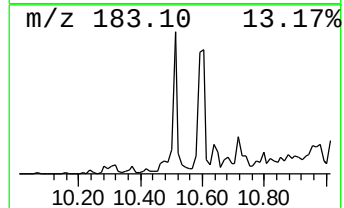
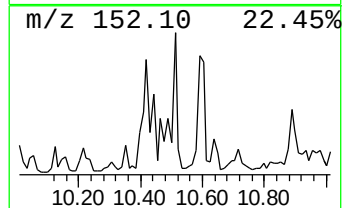
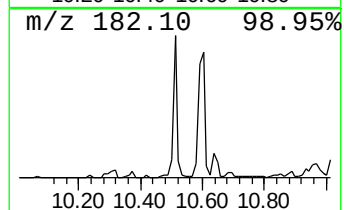
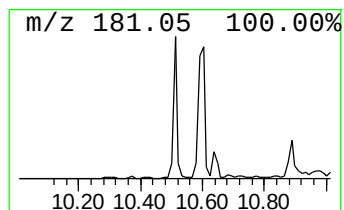
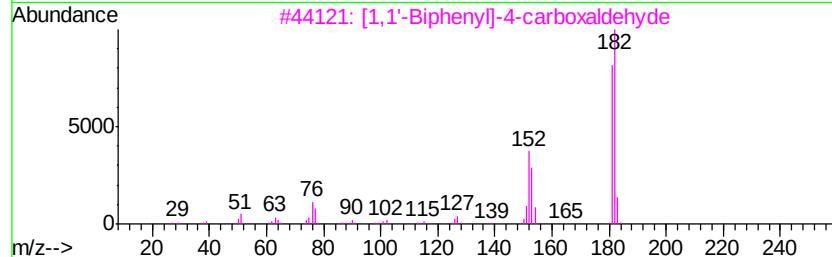
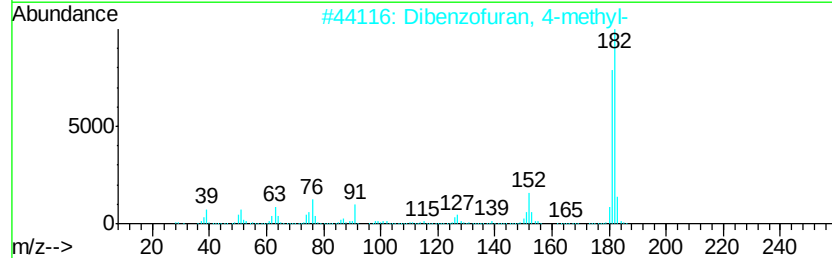
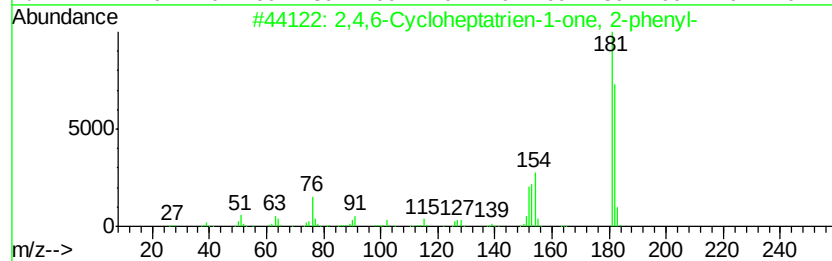
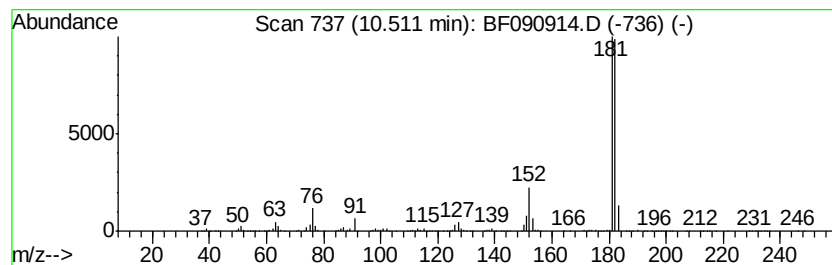
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 2,4,6-Cycloheptatrien-1-one... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	11.93 ng	1104090	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
2		Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	83
3		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
4		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5		9H-Xanthene	182	C13H10O	000092-83-1	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
Data File : BF090914.D
Acq On : 28 Oct 2016 18:01
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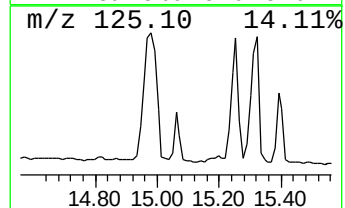
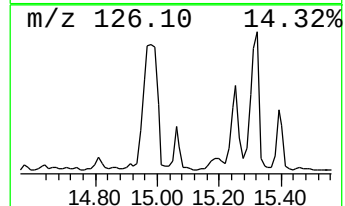
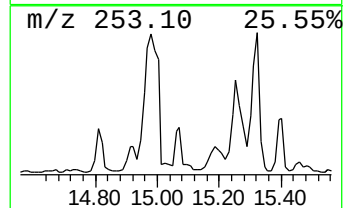
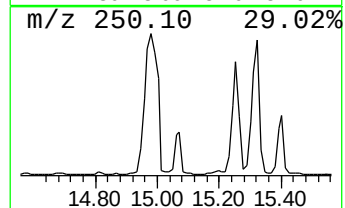
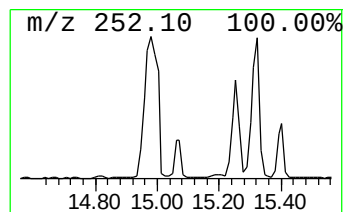
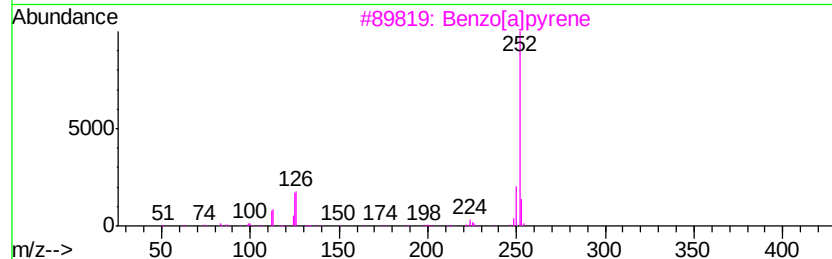
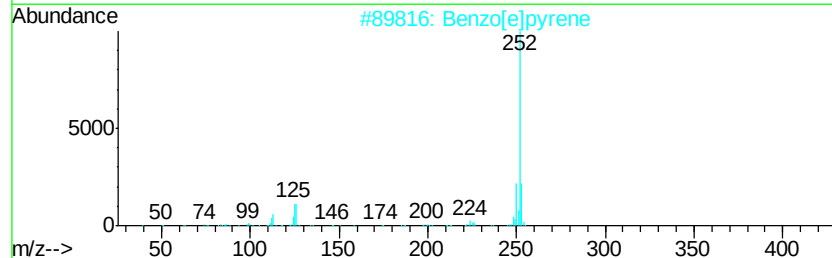
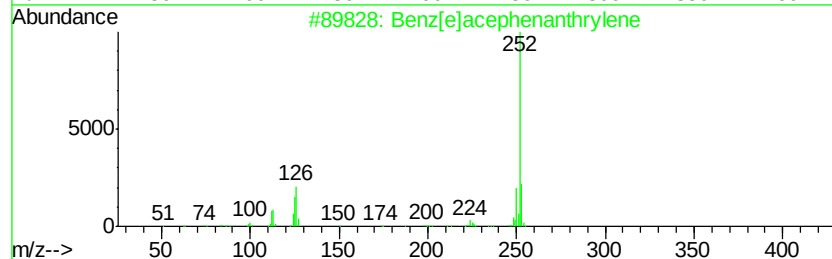
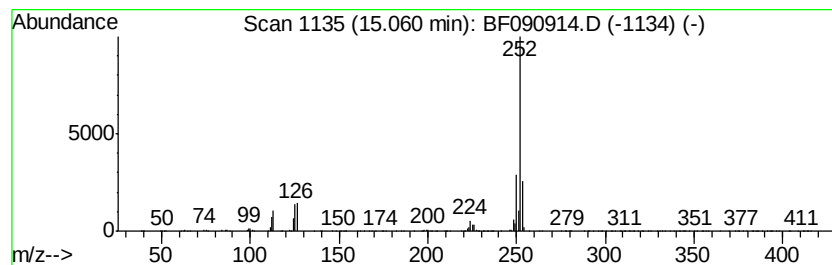
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benz[e]acephenanthrylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	20.17 ng	1200700	Perylene-d12	15.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
2		Benzo[e]pyrene	252	C20H12	000192-97-2	93
3		Benzo[a]pyrene	252	C20H12	000050-32-8	92
4		Perylene	252	C20H12	000198-55-0	89
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
Data File : BF090914.D
Acq On : 28 Oct 2016 18:01
Operator : UM/SJ
Sample : H5422-05RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-2-COMPRES

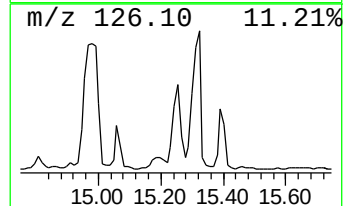
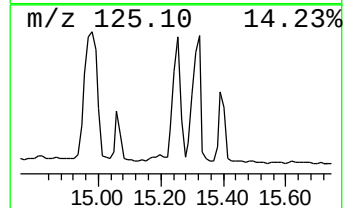
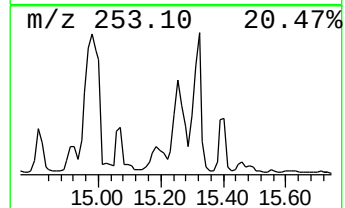
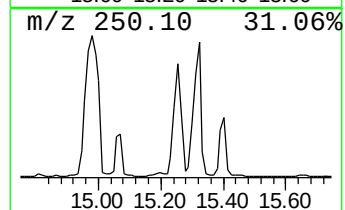
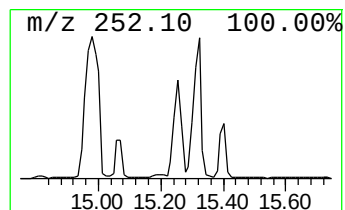
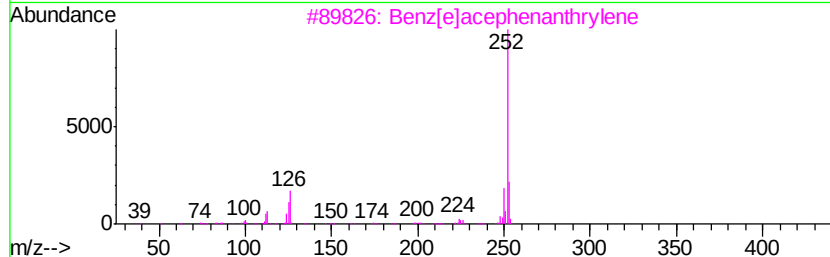
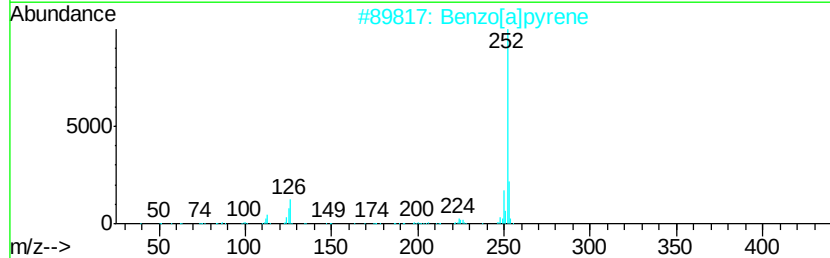
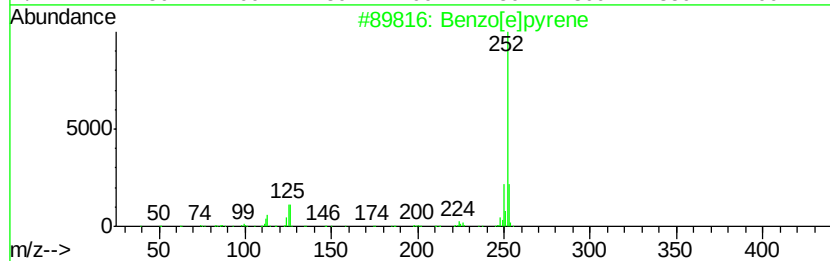
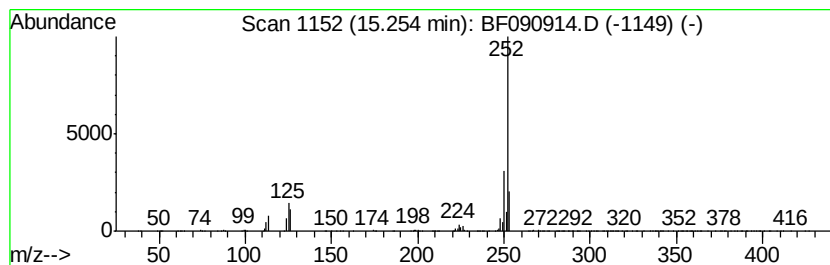
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	68.25 ng	4062740	Perylene-d12	15.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[a]pyrene	252	C20H12	000050-32-8	96
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
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Acq On : 28 Oct 2016 18:01
Operator : UM/SJ
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ClientSampleId :
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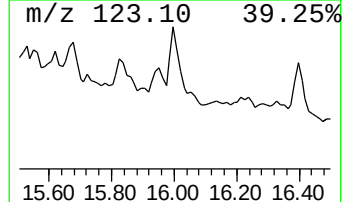
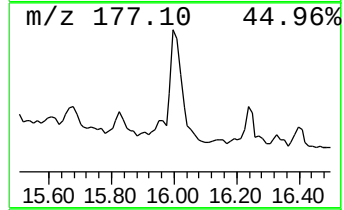
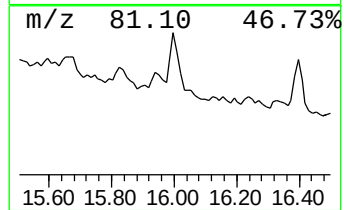
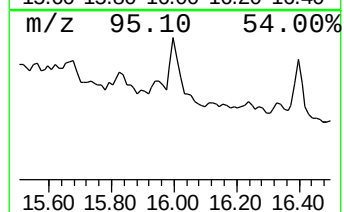
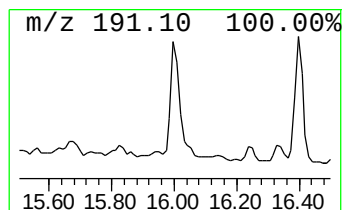
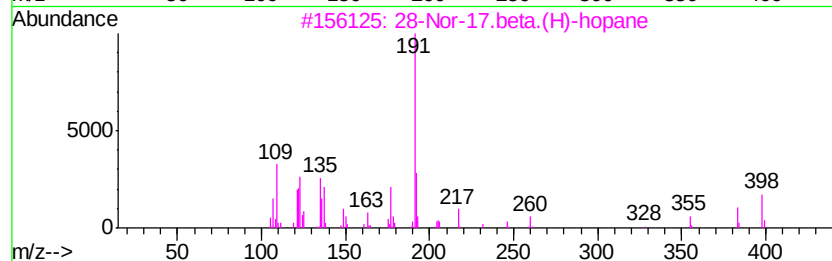
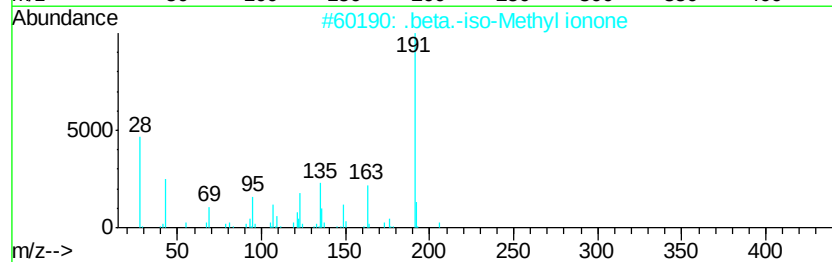
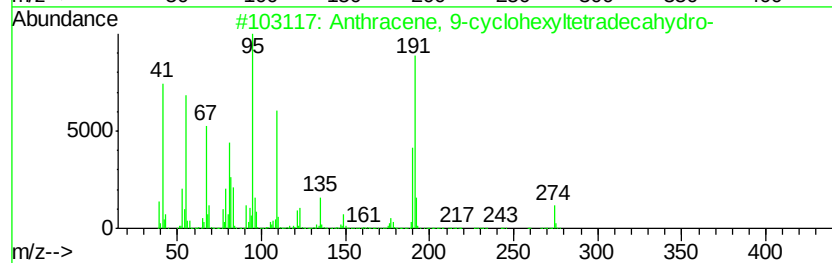
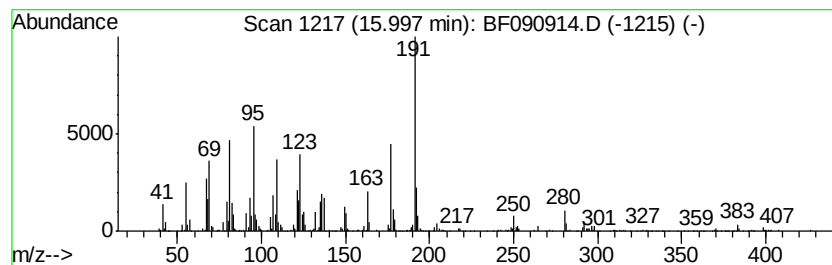
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown16.00 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	23.64 ng	1406930	Perylene-d12	15.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	43
2		.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	40
3		28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	38
4		Anthracene, 9-dodecyltetradeca...	360	C26H48	055401-75-7	37
5		5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
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Sample : H5422-05RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

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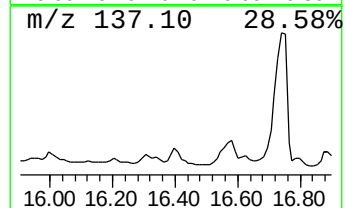
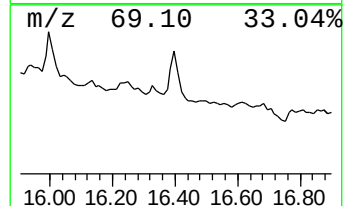
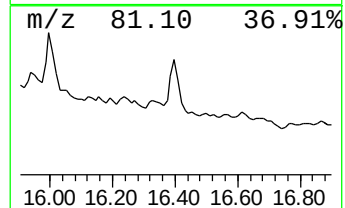
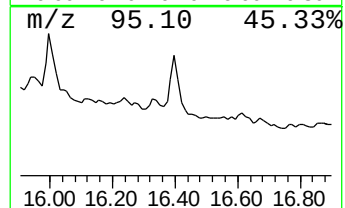
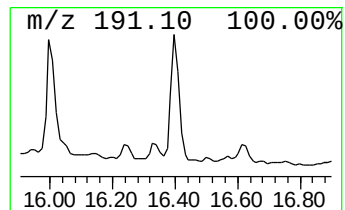
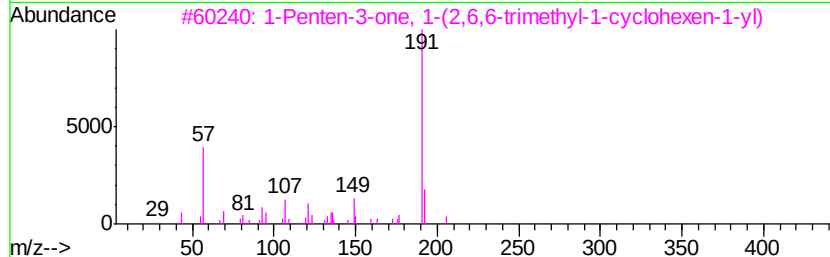
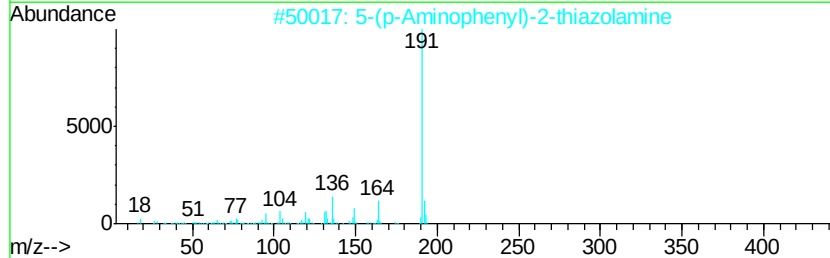
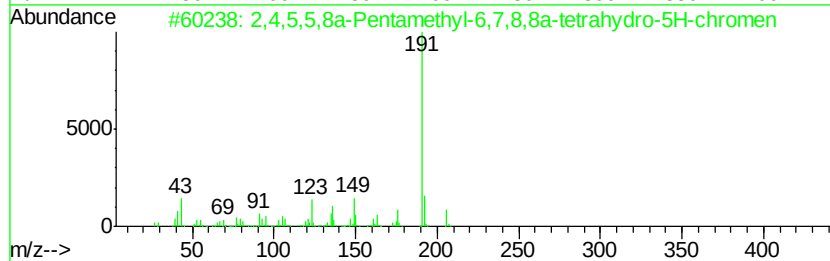
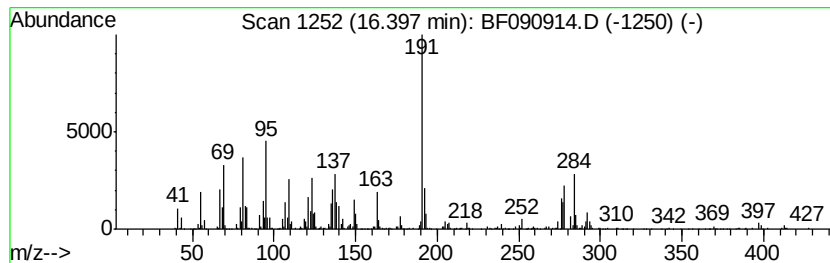
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown16.40 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	30.70 ng	1827270	Perylene-d12	15.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	38		
2	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	35		
3	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	30		
4	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	27		
5	2-(2-((2-Chloro-6-fluorobenzyl)s...	334	C17H16ClFN2S	1000298-18-2	25		



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
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Operator : UM/SJ
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Misc :
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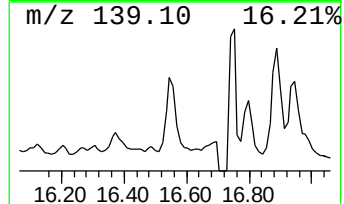
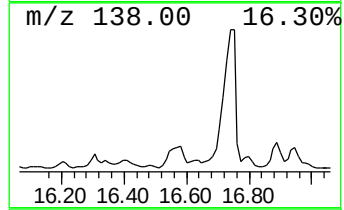
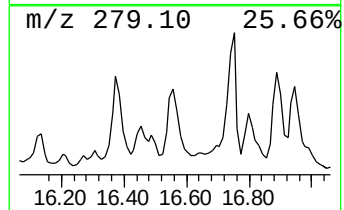
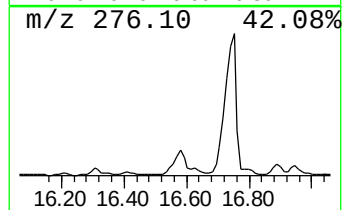
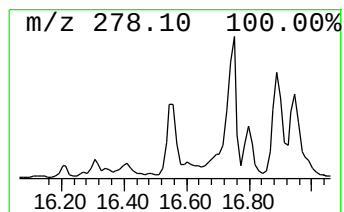
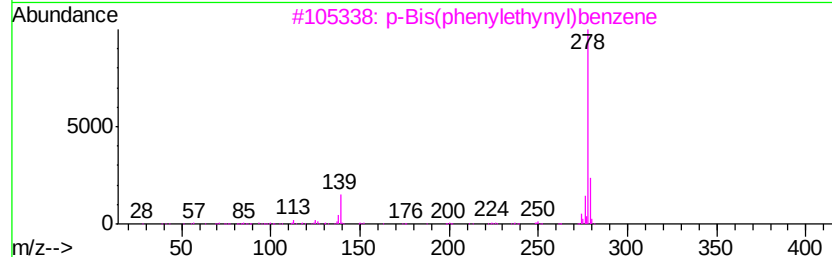
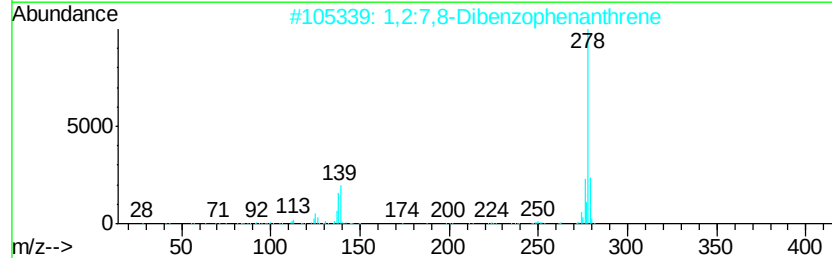
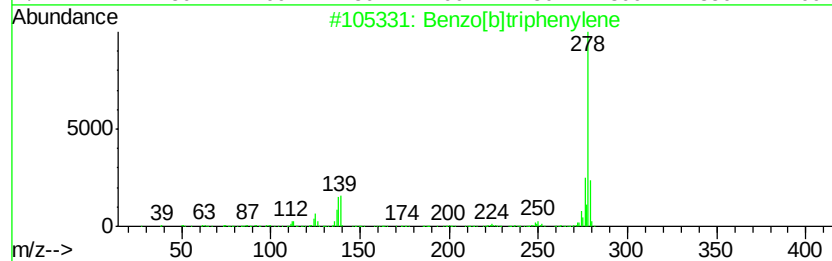
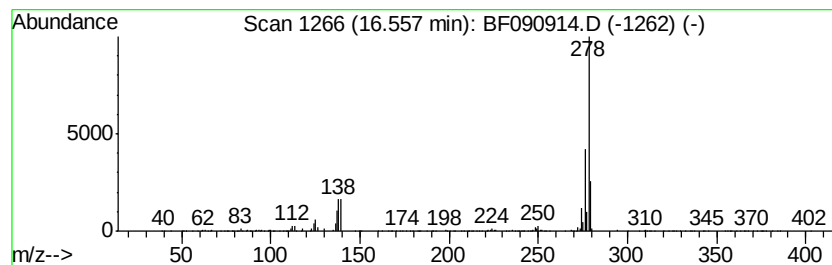
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzo[b]triphenylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	31.54 ng	1877480	Perylene-d12	15.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	86
3		p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	64
4		Pentaphene	278	C22H14	000222-93-5	64
5		Pyrene, 1-phenyl-	278	C22H14	005101-27-9	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
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Operator : UM/SJ
Sample : H5422-05RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

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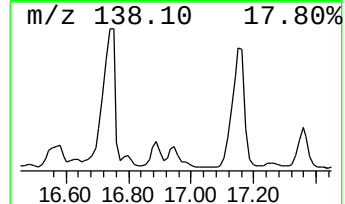
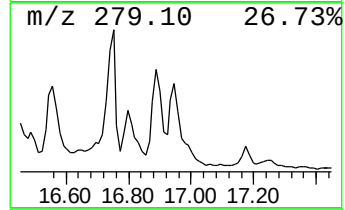
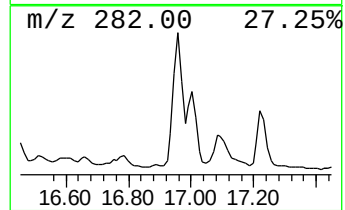
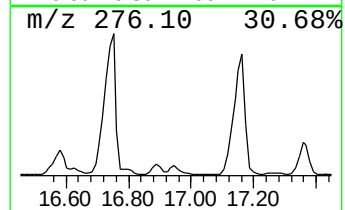
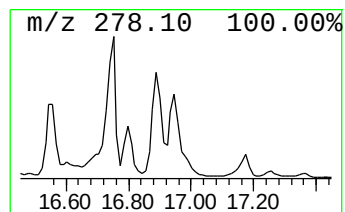
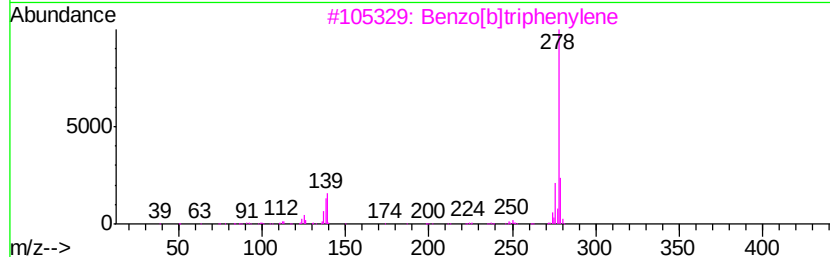
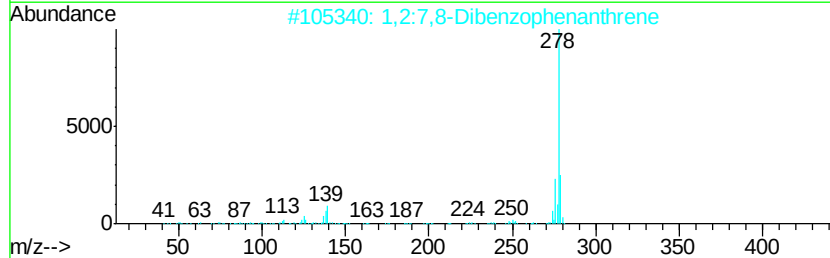
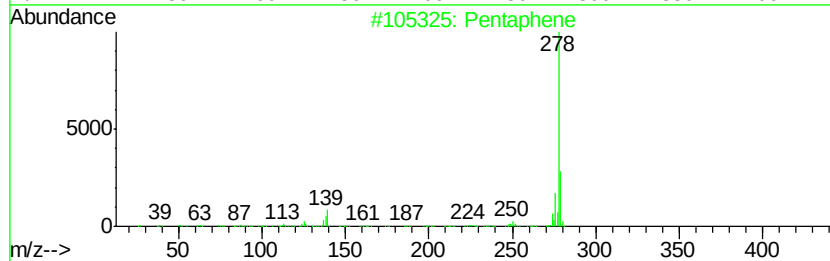
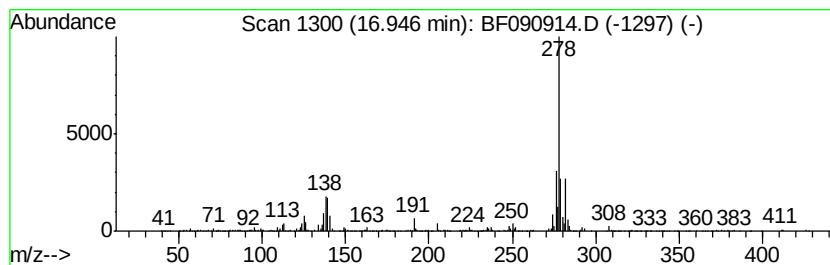
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Pentaphene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	12.41 ng	738695	Perylene-d12	15.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentaphene	278	C22H14	000222-93-5	96
2		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	96
3		Benzo[b]triphenylene	278	C22H14	000215-58-7	96
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
5		Pentacene	278	C22H14	000135-48-8	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
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Misc :
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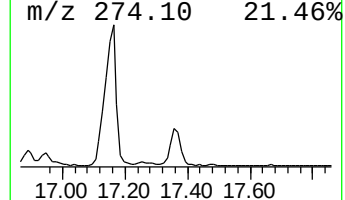
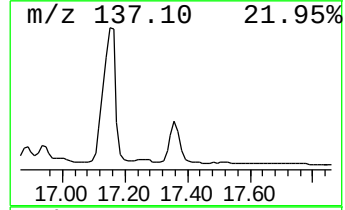
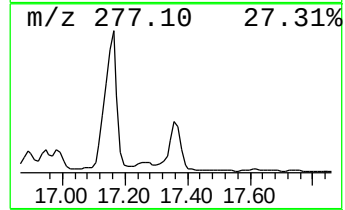
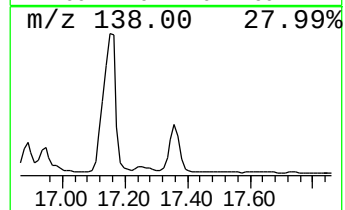
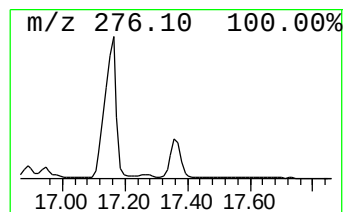
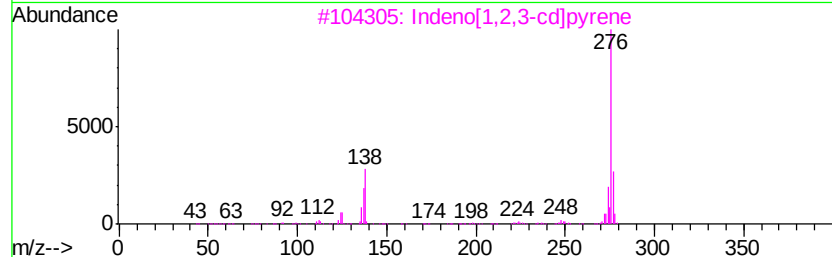
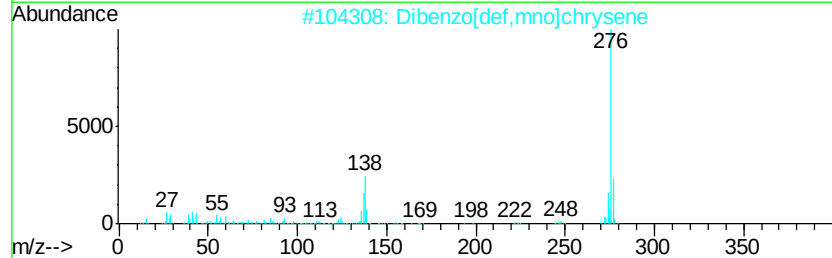
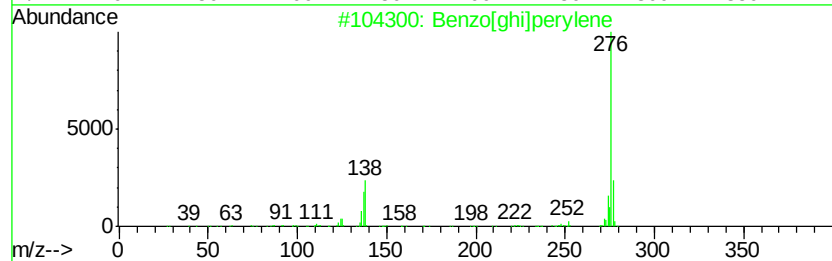
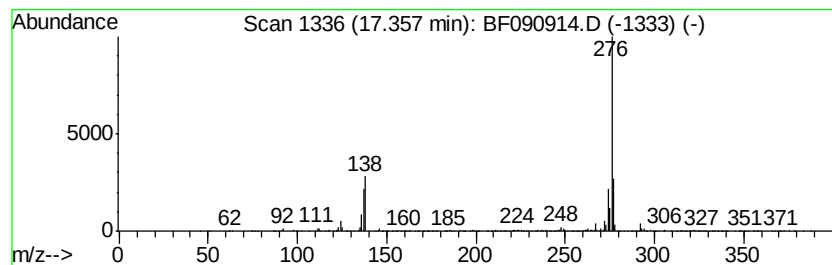
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[ghi]perylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.36	25.85 ng	1538560	Perylene-d12	15.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[ghi]perylene	276	C22H12	000191-24-2	98
2		Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	97
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	90
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	64
5		6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	50



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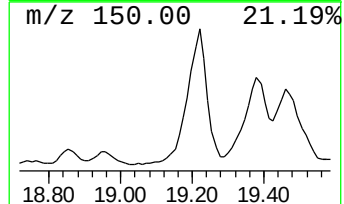
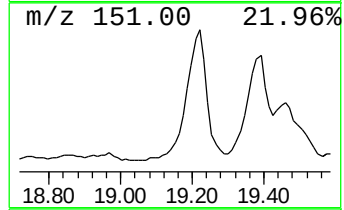
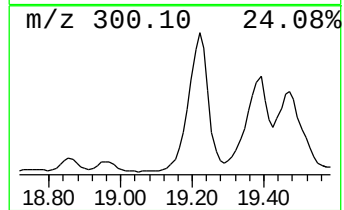
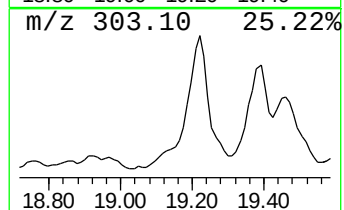
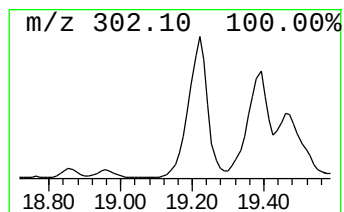
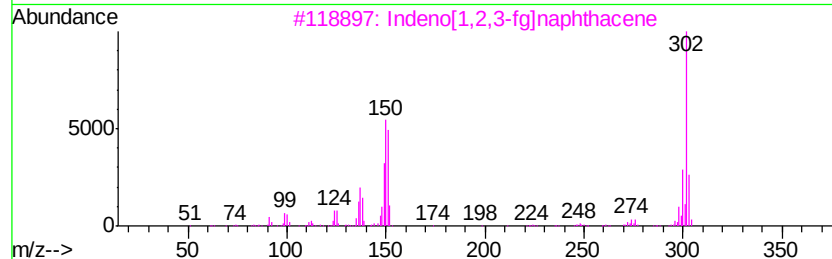
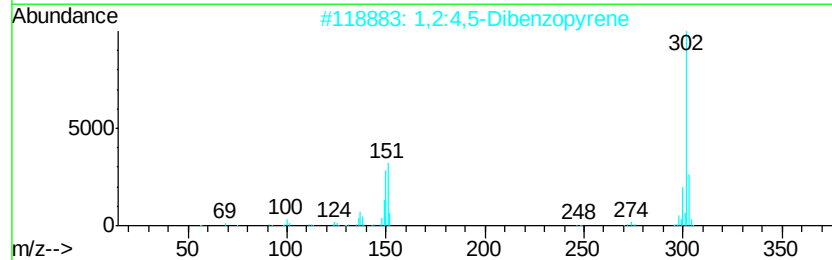
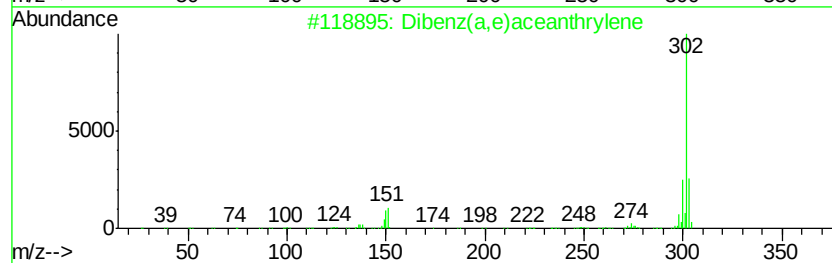
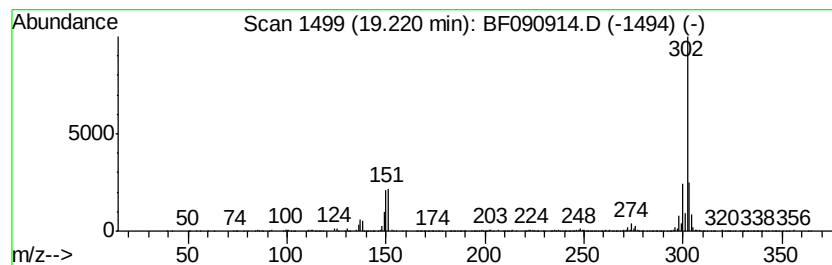
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Dibenz(a,e)aceanthrylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	26.27 ng	1563620	Perylene-d12	15.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	97
2		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	97
3		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	96
4		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	94
5		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
Data File : BF090914.D
Acq On : 28 Oct 2016 18:01
Operator : UM/SJ
Sample : H5422-05RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-2-COMPRES

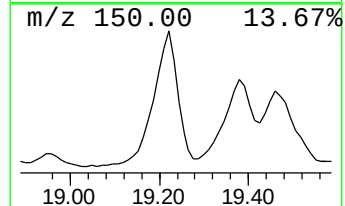
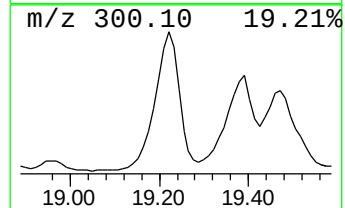
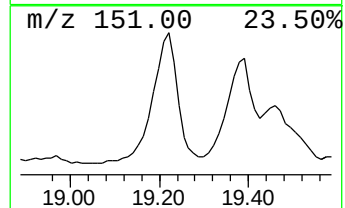
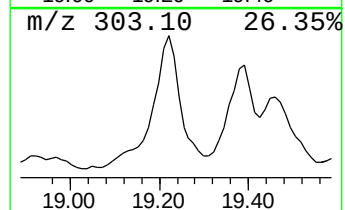
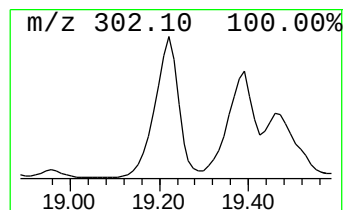
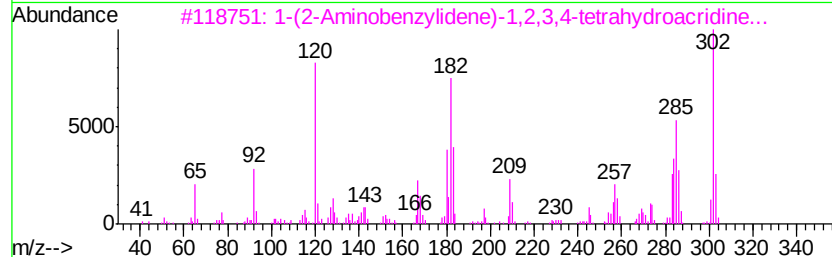
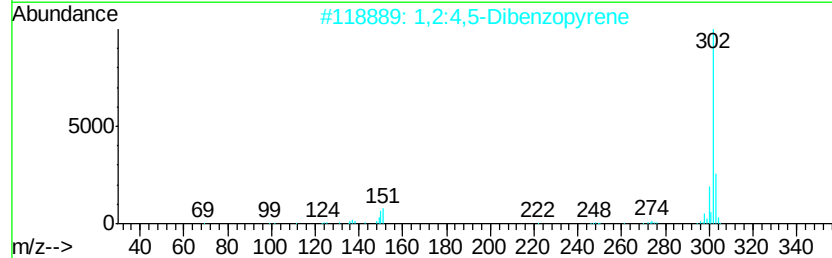
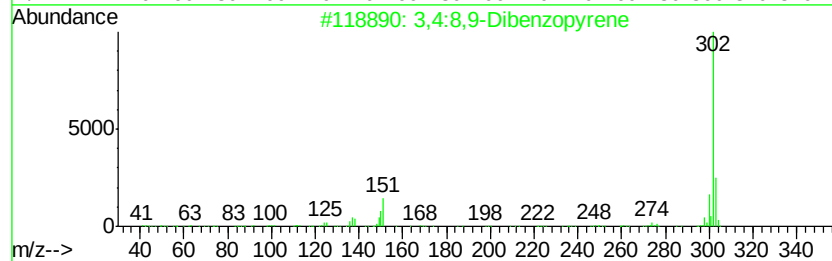
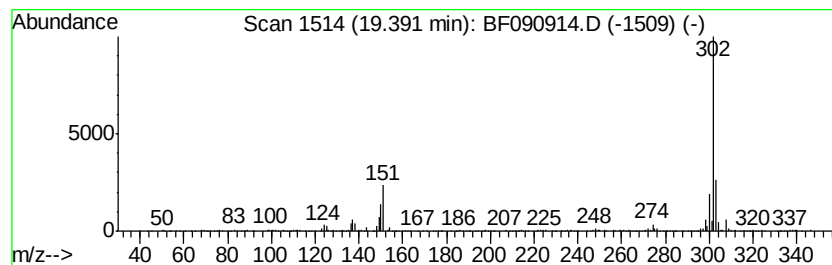
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 3,4:8,9-Dibenzopyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	11.83 ng	704140	Perylene-d12	15.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	98
2		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	98
3		1-(2-Aminobenzylidene)-1,2,3,4-t...	302	C20H18N2O	1000110-40-2	91
4		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	90
5		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
 Data File : BF090914.D
 Acq On : 28 Oct 2016 18:01
 Operator : UM/SJ
 Sample : H5422-05RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2-COMPRES

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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...	4.92	22.7	ng	981616	1	6.76	865563	20.0
unknown6.53	6.53	98.5	ng	4264370	1	6.76	865563	20.0
Naphthalene, 2,6-...	9.39	11.2	ng	1039580	3	9.80	1850580	20.0
Naphthalene, 2,3-...	9.46	15.8	ng	1466070	3	9.80	1850580	20.0
Naphthalene, 1,6,...	10.12	15.7	ng	1448350	3	9.80	1850580	20.0
Naphthalene, 2,3,...	10.21	10.9	ng	1008040	3	9.80	1850580	20.0
1-Isopropenyl naph...	10.42	12.7	ng	1177550	3	9.80	1850580	20.0
Fluorene, 2,4a-di...	10.49	11.2	ng	1037630	3	9.80	1850580	20.0
2,4,6-Cycloheptat...	10.51	11.9	ng	1104090	3	9.80	1850580	20.0
Benz[e]acephenant...	15.06	20.2	ng	1200700	6	15.37	1190460	20.0
Benzo[e]pyrene	15.25	68.3	ng	4062740	6	15.37	1190460	20.0
unknown16.00	16.00	23.6	ng	1406930	6	15.37	1190460	20.0
unknown16.40	16.40	30.7	ng	1827270	6	15.37	1190460	20.0
Benzo[b]triphenylene	16.56	31.5	ng	1877480	6	15.37	1190460	20.0
Pentaphene	16.95	12.4	ng	738695	6	15.37	1190460	20.0
Benzo[ghi]perylene	17.36	25.9	ng	1538560	6	15.37	1190460	20.0
Dibenz(a,e)aceant...	19.22	26.3	ng	1563620	6	15.37	1190460	20.0
3,4:8,9-Dibenzopy...	19.39	11.8	ng	704140	6	15.37	1190460	20.0