

Data Path : Z:\HPCHEM1\BNA_F\Data\BF060515\
 Data File : BF079753.D
 Acq On : 6 Jun 2015 4:02
 Operator : TP/IZ
 Sample : G2464-07 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12D

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-BF060515.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	1.335	12	13	15	rVB	16124255	11117304	100.00%	9.206%
2	2.433	104	109	124	rVB2	1281026	3094046	27.83%	2.562%
3	6.102	428	430	434	rVB2	361773	389027	3.50%	0.322%
4	7.073	514	515	518	rVB2	244942	331365	2.98%	0.274%
5	7.313	534	536	538	rBV	533326	469295	4.22%	0.389%
6	7.485	550	551	553	rBV	251407	326789	2.94%	0.271%
7	7.679	566	568	569	rVB	388396	365432	3.29%	0.303%
8	7.759	572	575	577	rVB	594550	737415	6.63%	0.611%
9	8.022	595	598	603	rBV3	145506	376191	3.38%	0.312%
10	8.525	639	642	644	rBV2	672922	788236	7.09%	0.653%
11	8.559	644	645	651	rVB	548628	685499	6.17%	0.568%
12	8.810	662	667	669	rVV	7609044	7230433	65.04%	5.988%
13	8.856	669	671	673	rVB	362871	305575	2.75%	0.253%
14	9.508	725	728	730	rBV	4557642	4588161	41.27%	3.799%
15	9.611	734	737	738	rBV	2609841	3262871	29.35%	2.702%
16	9.862	755	759	760	rBV	273371	366897	3.30%	0.304%
17	9.965	766	768	770	rVB	905422	762404	6.86%	0.631%
18	10.068	770	777	780	rVB	627199	941435	8.47%	0.780%
19	10.136	780	783	785	rBV	1146185	1555142	13.99%	1.288%
20	10.205	787	789	791	rVV	1428693	1891597	17.01%	1.566%
21	10.239	791	792	794	rVV	1129503	888588	7.99%	0.736%
22	10.273	794	795	797	rVB	529222	396929	3.57%	0.329%
23	10.331	797	800	804	rBV	915566	1052629	9.47%	0.872%
24	10.422	806	808	810	rVB	2432473	2230281	20.06%	1.847%
25	10.525	815	817	819	rBV	466807	484016	4.35%	0.401%
26	10.559	819	820	821	rVV	596998	489516	4.40%	0.405%
27	10.594	821	823	825	rVV	1711893	1554126	13.98%	1.287%
28	10.662	827	829	831	rBV2	182645	296285	2.67%	0.245%
29	10.765	835	838	839	rVV2	1003725	1167236	10.50%	0.967%
30	10.799	839	841	842	rVV	397470	361466	3.25%	0.299%
31	10.868	845	847	849	rBV2	414905	675686	6.08%	0.560%
32	10.902	849	850	853	rVB	408904	378088	3.40%	0.313%
33	10.959	853	855	859	rBV3	338153	690099	6.21%	0.571%
34	11.016	859	860	862	rVV	605996	594546	5.35%	0.492%

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35	11.085	865	866	867	rVV	486606	414385	3.73%	0.343%
36	11.119	867	869	871	rVV	1688861	2192038	19.72%	1.815%
37	11.188	871	875	877	rVV3	263525	670499	6.03%	0.555%
38	11.222	877	878	880	rVV	295606	485859	4.37%	0.402%
39	11.268	880	882	884	rVV2	401460	617993	5.56%	0.512%
40	11.348	886	889	893	rVB2	736366	1154902	10.39%	0.956%
41	11.474	896	900	902	rBV3	170955	321988	2.90%	0.267%
42	11.668	912	917	918	rBV	685235	1036060	9.32%	0.858%
43	11.691	918	919	921	rVV2	295229	433634	3.90%	0.359%
44	11.748	923	924	926	rVV	281375	417576	3.76%	0.346%
45	11.816	929	930	932	rVV2	241131	301696	2.71%	0.250%
46	11.874	932	935	937	rVV	301001	509469	4.58%	0.422%
47	11.965	941	943	948	rVB	776803	850245	7.65%	0.704%
48	12.068	950	952	953	rBV	565689	662663	5.96%	0.549%
49	12.102	953	955	957	rVB	6862298	6582352	59.21%	5.451%
50	12.148	957	959	963	rBV	2508656	2399915	21.59%	1.987%
51	12.297	969	972	974	rBV2	234708	414286	3.73%	0.343%
52	12.365	976	978	979	rVV	356588	302634	2.72%	0.251%
53	12.411	979	982	984	rVV	353798	347247	3.12%	0.288%
54	12.582	995	997	999	rBV	1449294	1661510	14.95%	1.376%
55	12.617	999	1000	1002	rVB	1688861	1210702	10.89%	1.003%
56	12.662	1002	1004	1006	rBV	797287	780104	7.02%	0.646%
57	12.708	1006	1008	1011	rBV2	1867884	3071451	27.63%	2.543%
58	12.891	1022	1024	1025	rBV	762364	729084	6.56%	0.604%
59	13.051	1035	1038	1039	rBV2	325143	393395	3.54%	0.326%
60	13.085	1039	1041	1045	rVB	286367	441264	3.97%	0.365%
61	13.165	1045	1048	1050	rBV	772248	1065095	9.58%	0.882%
62	13.211	1050	1052	1055	rVV2	516346	957802	8.62%	0.793%
63	13.257	1055	1056	1061	rVB3	310715	649543	5.84%	0.538%
64	13.348	1061	1064	1066	rBV	4049848	4048004	36.41%	3.352%
65	13.451	1071	1073	1076	rVB	864943	918792	8.26%	0.761%
66	13.531	1076	1080	1082	rVB2	268701	451101	4.06%	0.374%
67	13.600	1082	1086	1089	rBV	3398240	5280507	47.50%	4.373%
68	13.645	1089	1090	1093	rVB2	219376	274480	2.47%	0.227%
69	13.737	1093	1098	1099	rBV2	464289	729074	6.56%	0.604%
70	13.840	1104	1107	1111	rBV3	411833	790424	7.11%	0.655%
71	13.965	1113	1118	1120	rVV	855823	1683162	15.14%	1.394%

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72	14.034	1122	1124	1126	rVV	907227	1050166	9.45%	0.870%
73	14.080	1126	1128	1132	rVV2	631311	918618	8.26%	0.761%
74	14.160	1132	1135	1136	rVV	586471	768867	6.92%	0.637%
75	14.194	1136	1138	1139	rVV	531341	596687	5.37%	0.494%
76	14.228	1139	1141	1146	rVB	684129	826866	7.44%	0.685%
77	14.525	1164	1167	1169	rBV3	204298	546245	4.91%	0.452%
78	14.720	1183	1184	1185	rVV	385363	267742	2.41%	0.222%
79	14.891	1196	1199	1203	rVB2	130767	297999	2.68%	0.247%
80	14.983	1205	1207	1209	rBV2	2453975	3402026	30.60%	2.817%
81	15.028	1209	1211	1213	rVB	1706149	1808818	16.27%	1.498%
82	15.131	1218	1220	1222	rVV	291952	403532	3.63%	0.334%
83	15.268	1230	1232	1235	rBV2	124878	277887	2.50%	0.230%
84	15.474	1247	1250	1253	rBV	363899	624340	5.62%	0.517%
85	15.600	1256	1261	1263	rBV3	206022	490261	4.41%	0.406%
86	15.645	1263	1265	1266	rVV	265165	325208	2.93%	0.269%
87	15.668	1266	1267	1270	rVV	386291	490348	4.41%	0.406%
88	15.725	1270	1272	1276	rVB2	155484	284382	2.56%	0.235%
89	15.920	1285	1289	1293	rVB4	98270	279274	2.51%	0.231%
90	16.354	1323	1327	1332	rBV	947579	2747051	24.71%	2.275%
91	16.491	1336	1339	1347	rVB	432705	885754	7.97%	0.733%
92	16.754	1359	1362	1366	rVB	674163	1195254	10.75%	0.990%
93	16.846	1366	1370	1374	rBV	1249290	1902500	17.11%	1.575%
94	16.926	1374	1377	1379	rVV	417208	705395	6.35%	0.584%
95	16.960	1379	1380	1385	rVB2	246212	490269	4.41%	0.406%
96	17.200	1395	1401	1407	rVB3	124605	595629	5.36%	0.493%
97	17.691	1441	1444	1450	rVB2	128561	261023	2.35%	0.216%
98	18.914	1547	1551	1558	rVB2	362729	969270	8.72%	0.803%
99	19.520	1600	1604	1617	rVB	289071	842978	7.58%	0.698%
100	19.840	1628	1632	1644	rVB	129323	407471	3.67%	0.337%

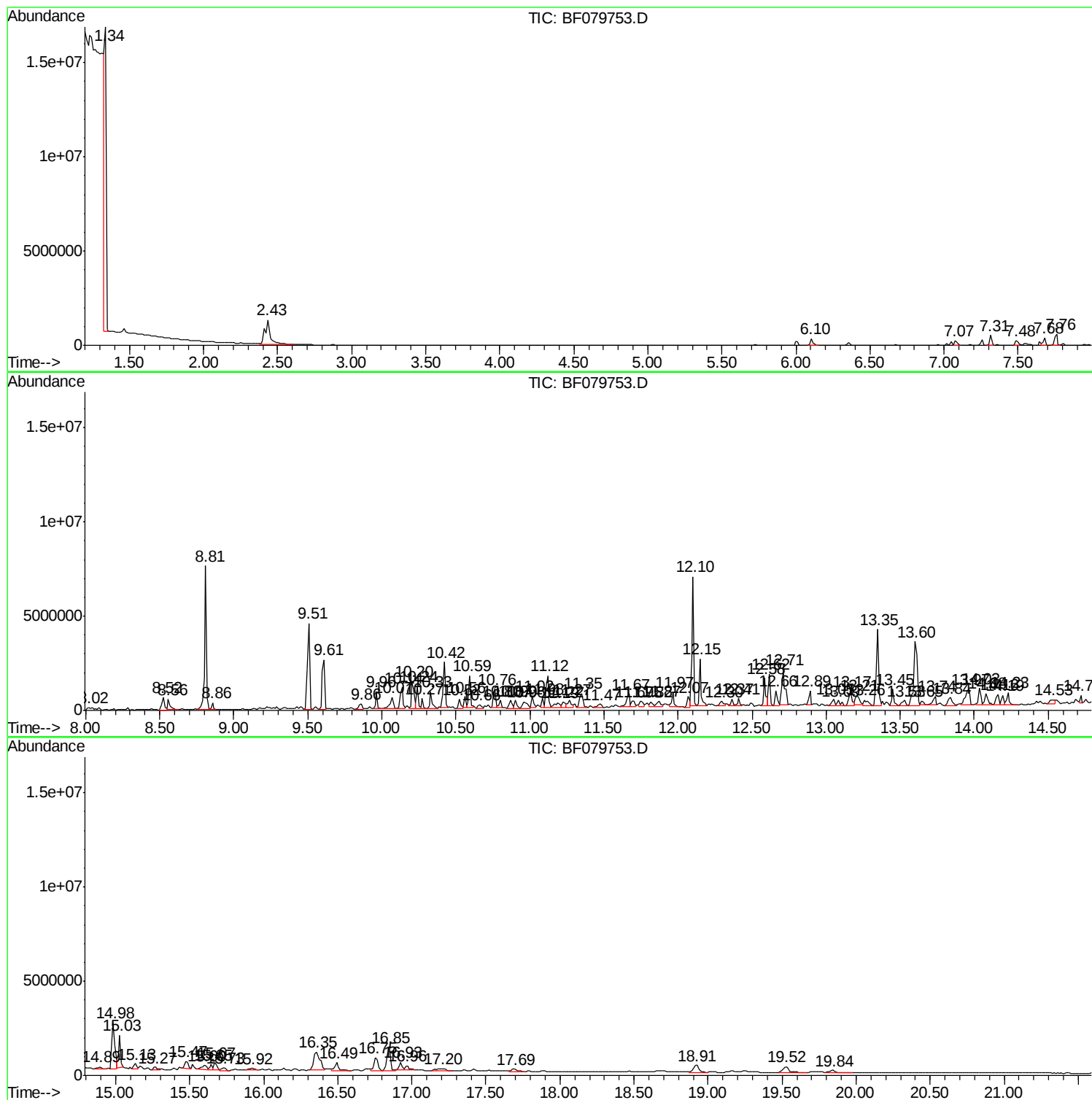
Sum of corrected areas: 120757400

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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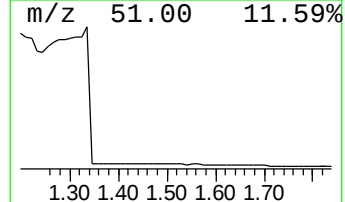
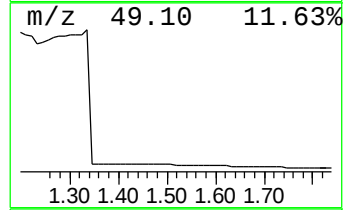
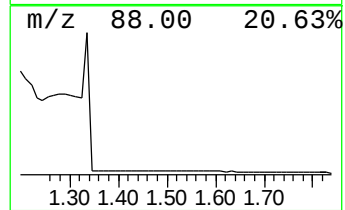
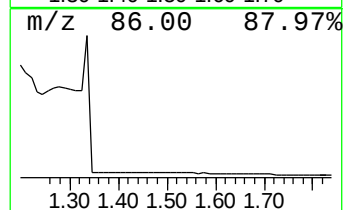
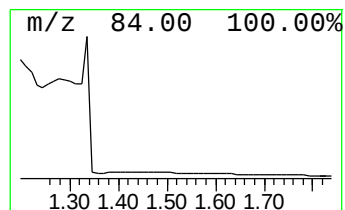
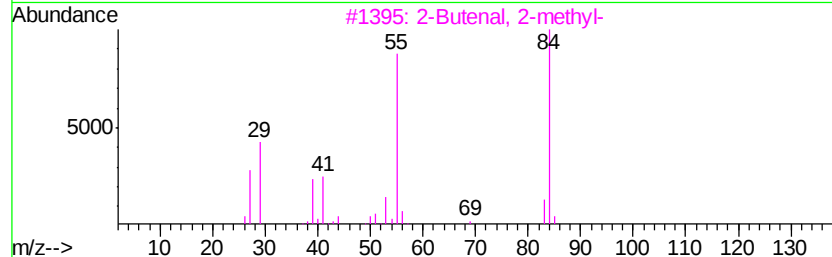
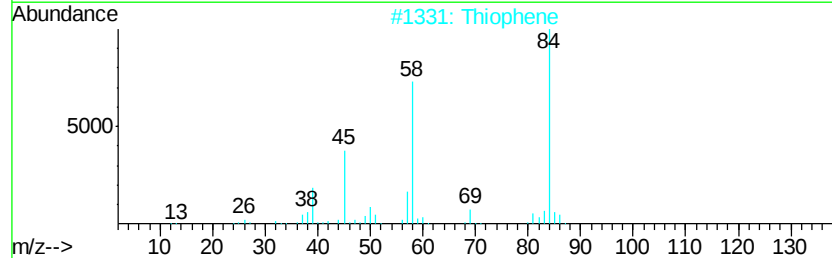
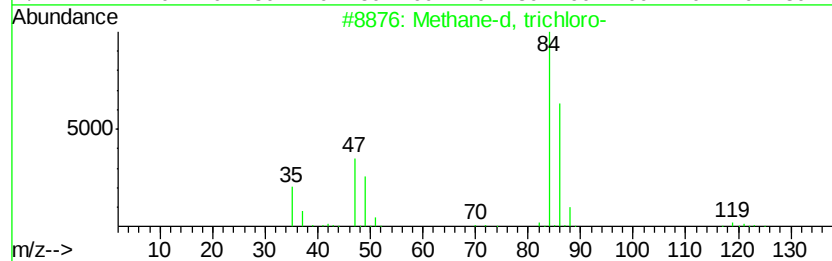
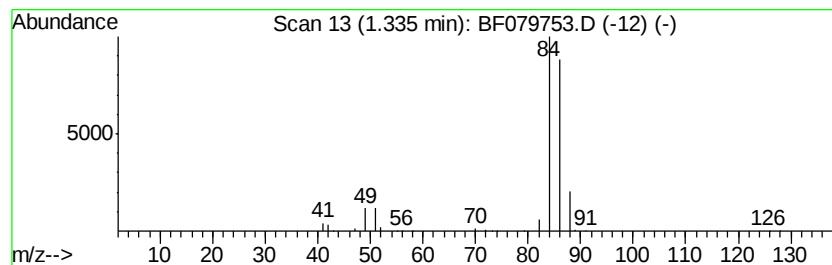
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown1.34 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.34	680.40 ng	11117300	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane-d, trichloro-	119	CDCl3	000865-49-6	9
2	Thiophene	84	C4H4S	000110-02-1	4
3	2-Butenal, 2-methyl-	84	C5H8O	001115-11-3	4
4	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	4
5	Perdeuterobenzene	84	C6D6	001076-43-3	4



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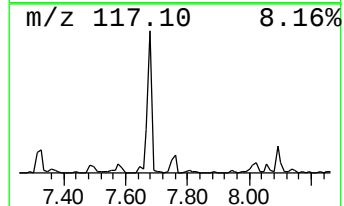
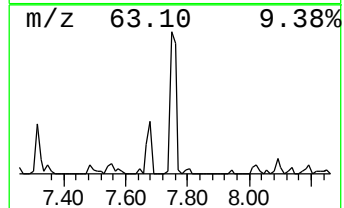
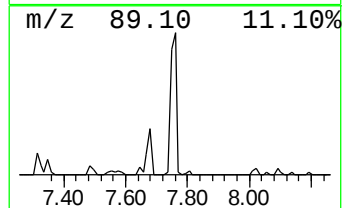
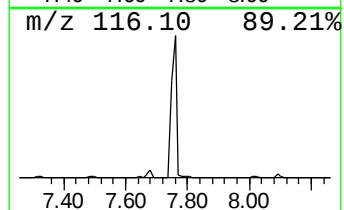
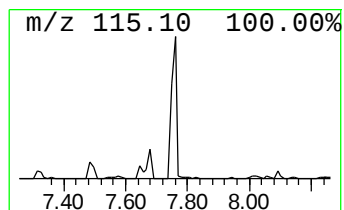
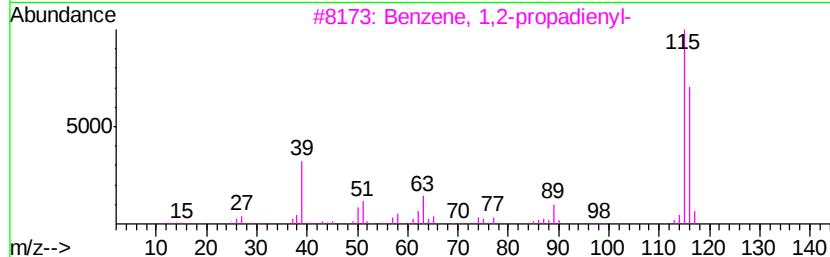
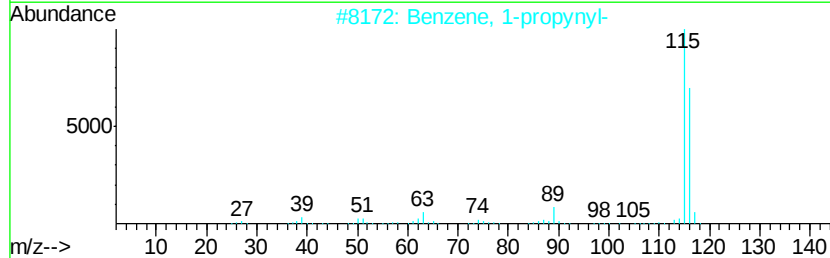
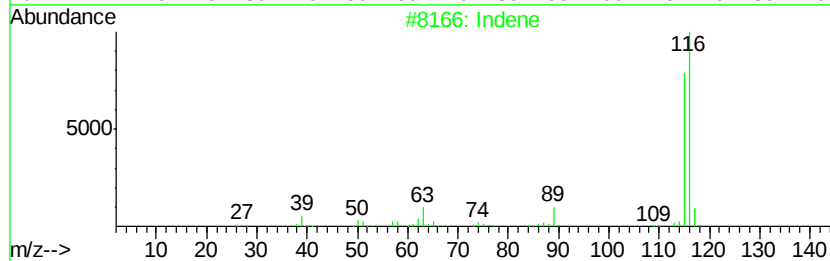
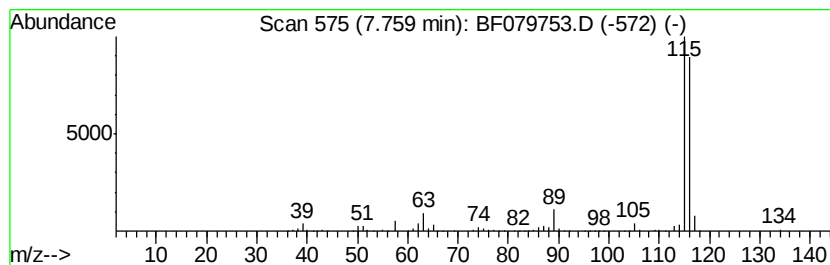
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Indene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	45.13 ng	737415	1,4-Dichlorobenzene-d4	7.50

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene		116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-		116	C9H8	000673-32-5	94
3	Benzene, 1,2-propadienyl-		116	C9H8	002327-99-3	91
4	Benzene, 1-ethynyl-4-methyl-		116	C9H8	000766-97-2	90
5	Benzene, 1-ethynyl-2-methyl-		116	C9H8	000766-47-2	90



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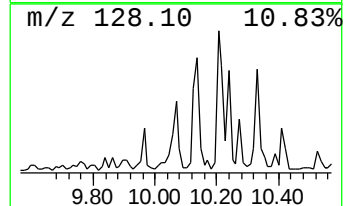
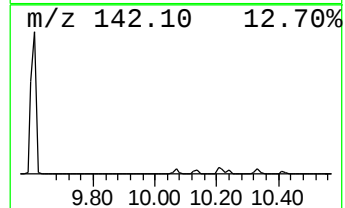
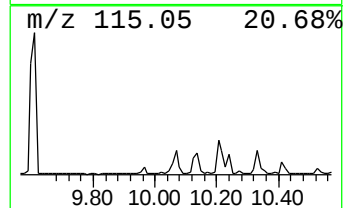
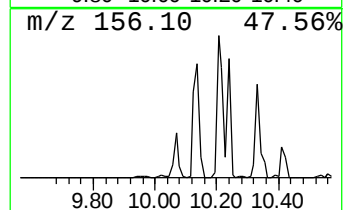
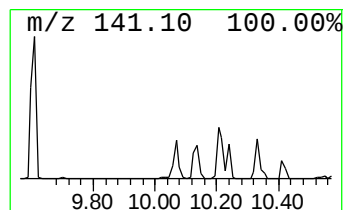
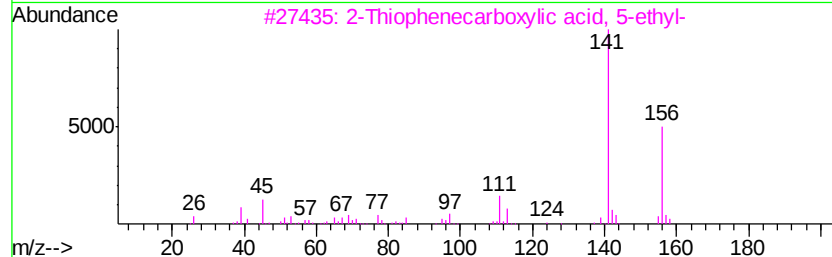
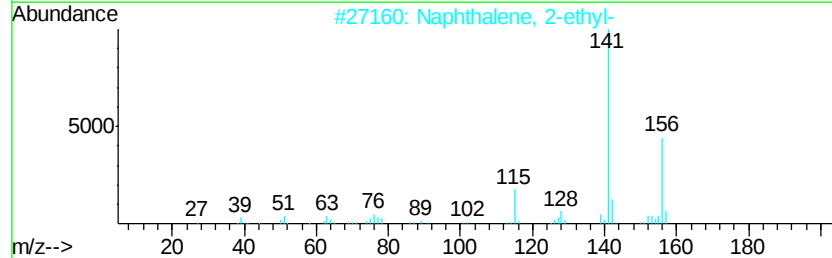
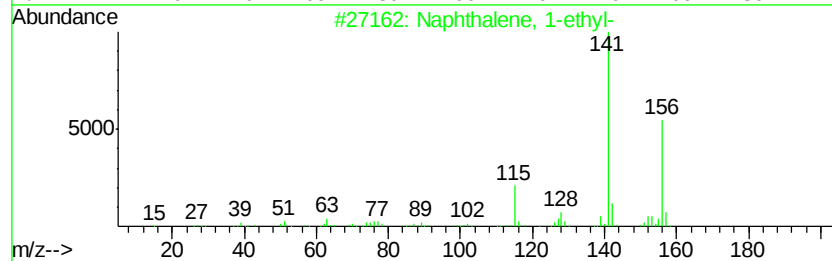
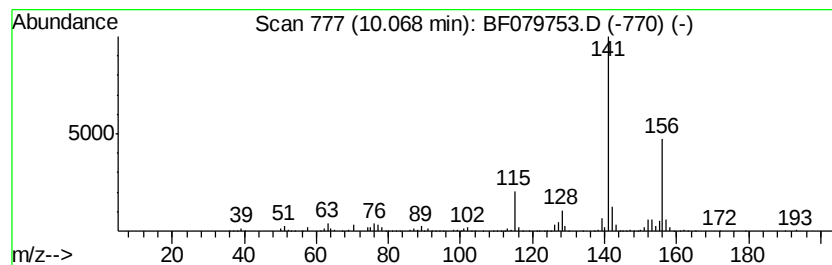
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Peak Number 5 Naphthalene, 1-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.07	38.46 ng	941435	Acenaphthene-d10	10.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3		2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
4		Butethal	212	C10H16N2O3	000077-28-1	59
5		Naphthalene, 1-propyl-	170	C13H14	002765-18-6	59



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Data File : BF079753.D
Acq On : 6 Jun 2015 4:02
Operator : TP/IZ
Sample : G2464-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-12D

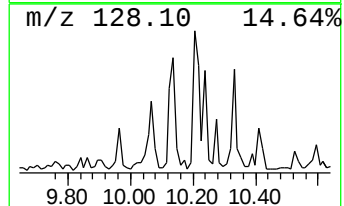
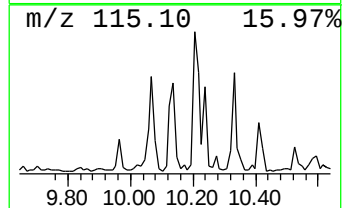
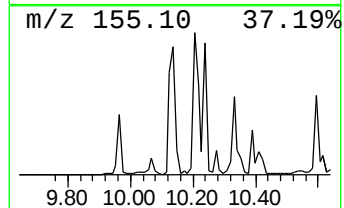
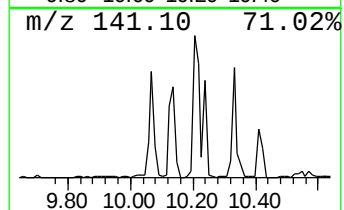
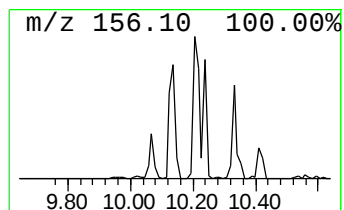
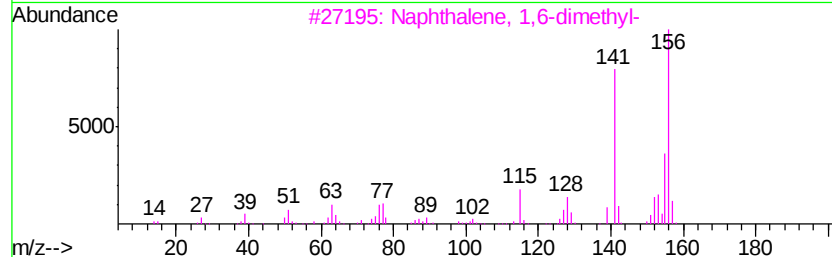
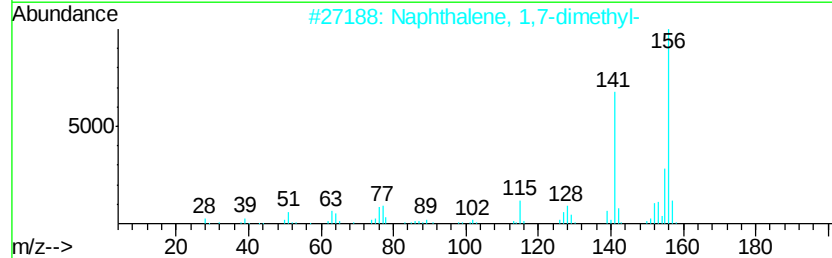
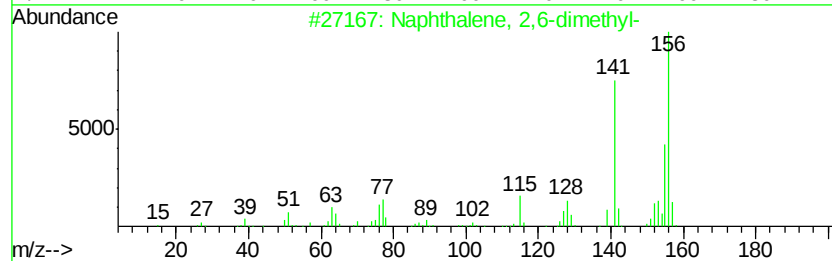
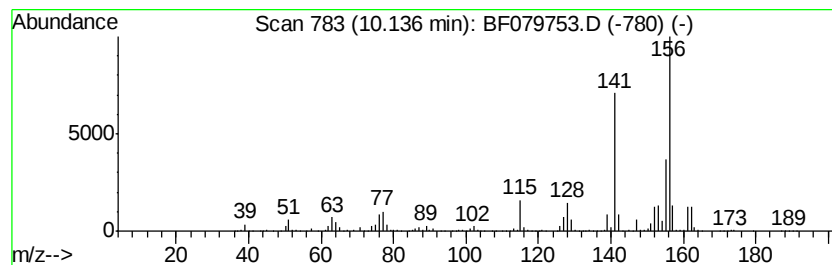
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.14	63.54 ng	1555140	Acenaphthene-d10	10.56

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



Data Path : Z:\HPCHEM1\BNA_F\Data\BF060515\
Data File : BF079753.D
Acq On : 6 Jun 2015 4:02
Operator : TP/IZ
Sample : G2464-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12D

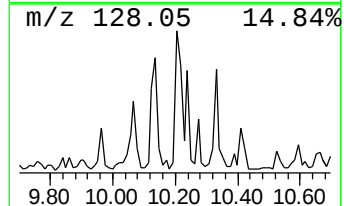
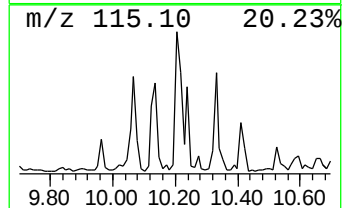
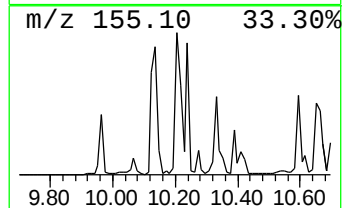
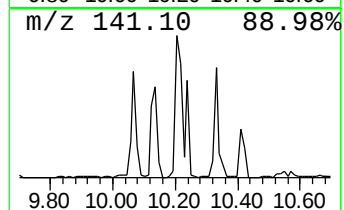
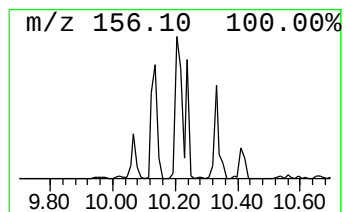
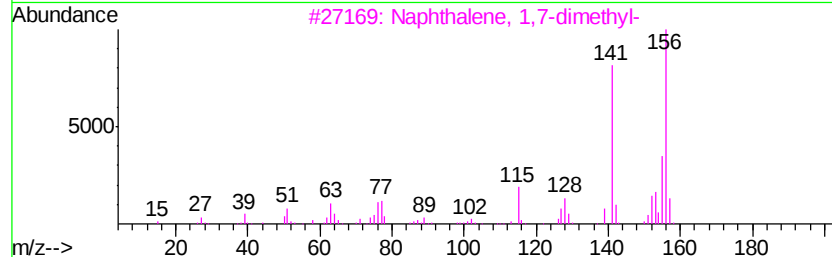
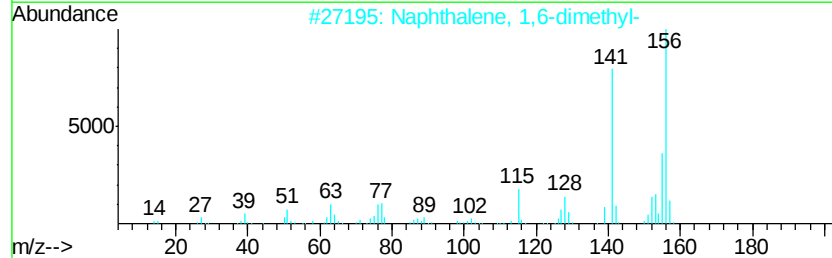
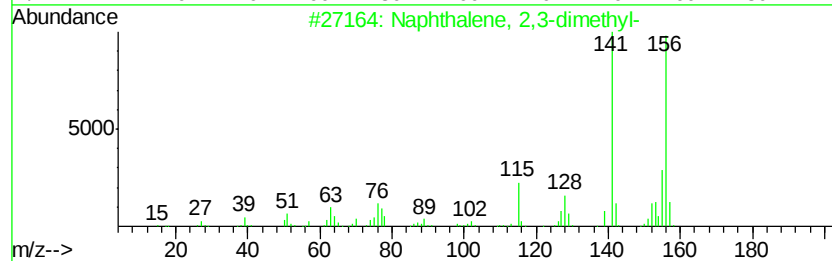
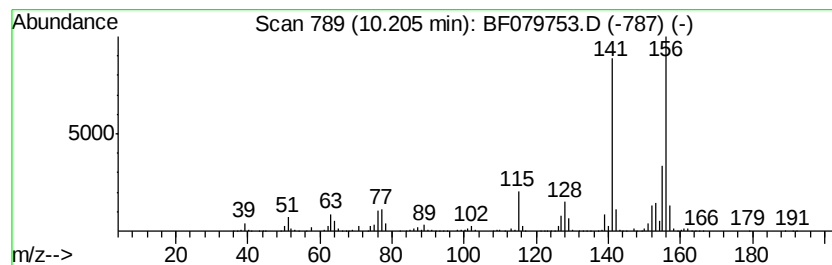
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	77.28 ng	1891600	Acenaphthene-d10	10.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97



Data Path : Z:\HPCHEM1\BNA_F\Data\BF060515\
Data File : BF079753.D
Acq On : 6 Jun 2015 4:02
Operator : TP/IZ
Sample : G2464-07 5X
Misc :
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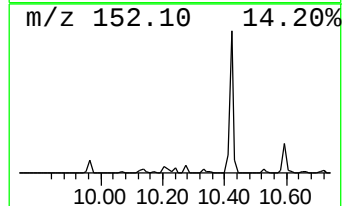
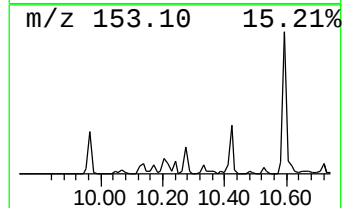
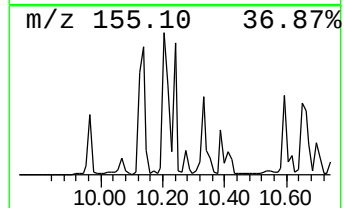
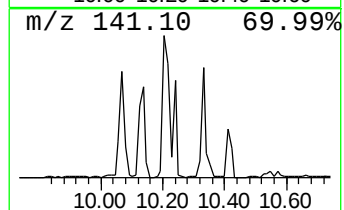
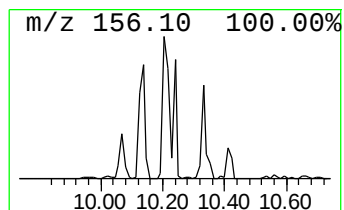
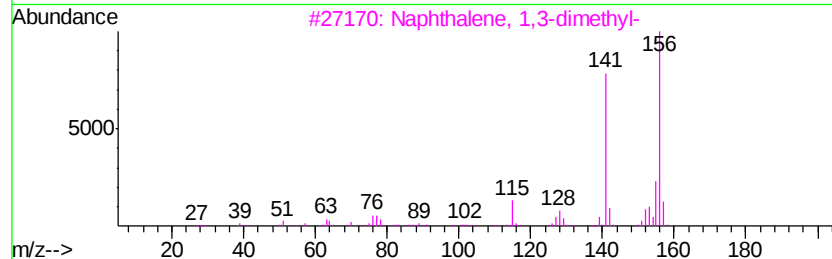
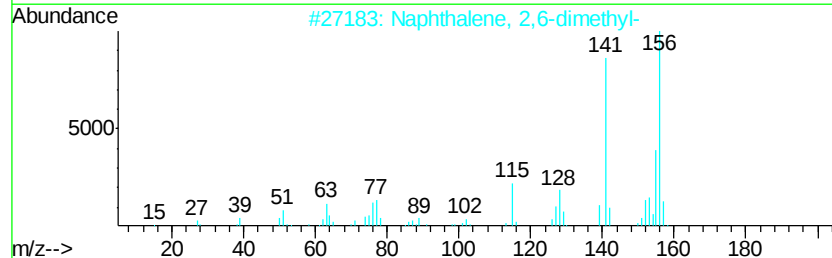
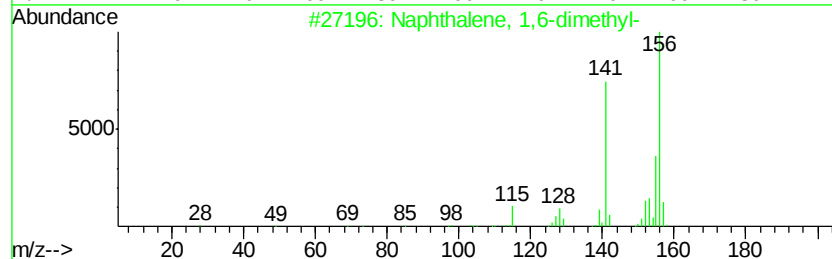
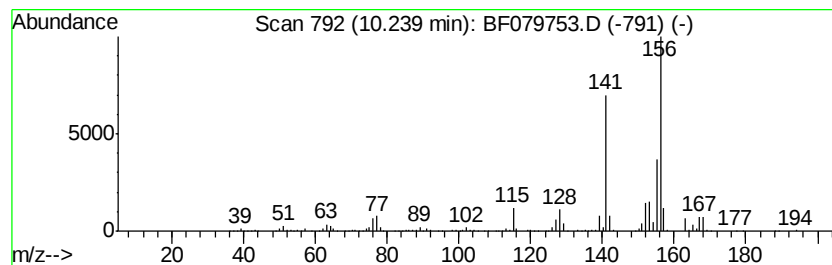
Instrument :
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ClientSampleId :
SB-12D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 1,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.24	36.30 ng	888588	Acenaphthene-d10		10.56
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95



Data Path : Z:\HPCHEM1\BNA_F\Data\BF060515\
Data File : BF079753.D
Acq On : 6 Jun 2015 4:02
Operator : TP/IZ
Sample : G2464-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12D

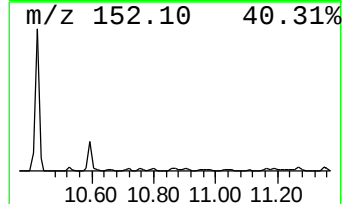
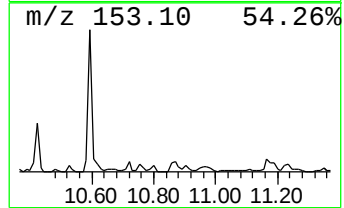
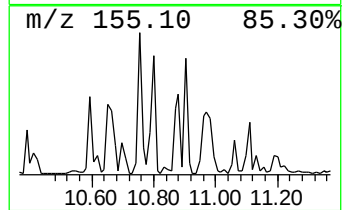
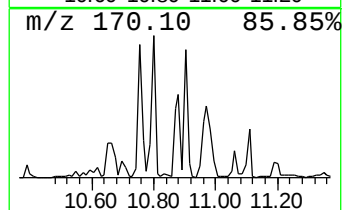
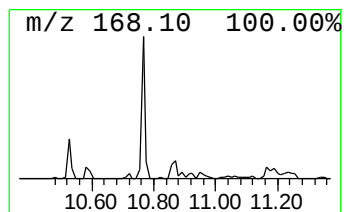
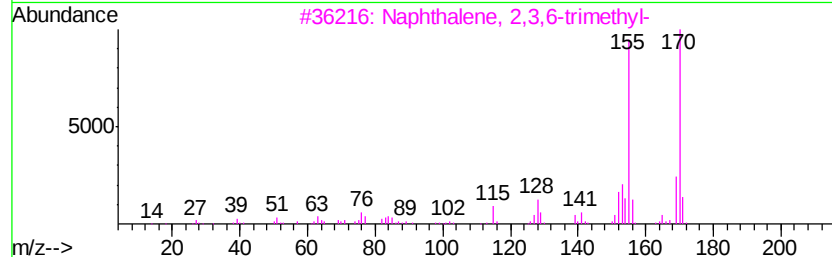
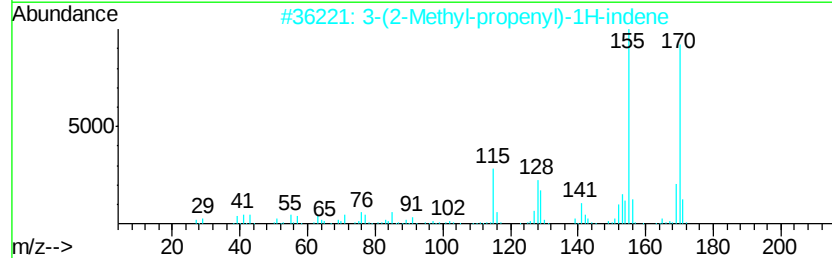
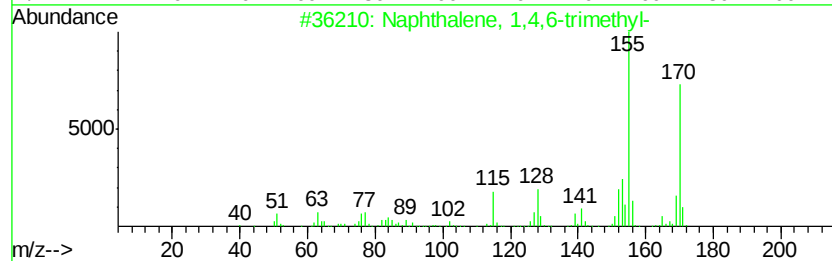
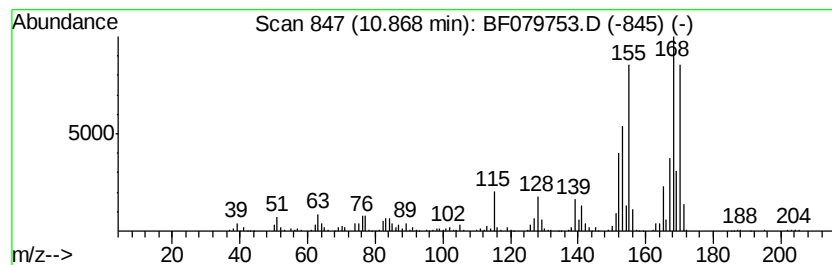
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 1,4,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	27.61 ng	675686	Acenaphthene-d10	10.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	90
2			3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	64
3			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	55
4			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	50
5			Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	49



Data Path : Z:\HPCHEM1\BNA_F\Data\BF060515\
Data File : BF079753.D
Acq On : 6 Jun 2015 4:02
Operator : TP/IZ
Sample : G2464-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-12D

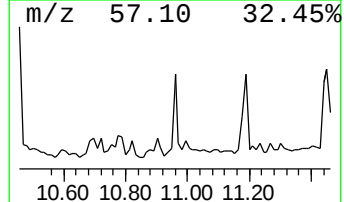
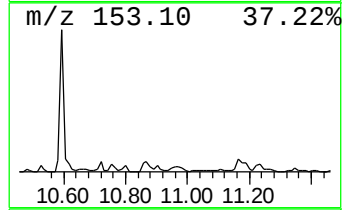
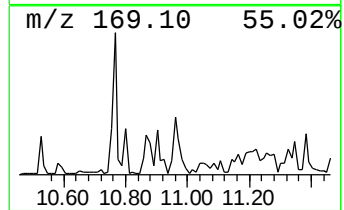
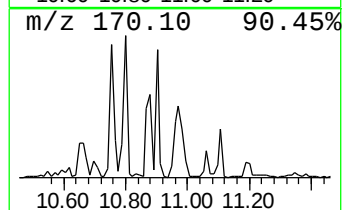
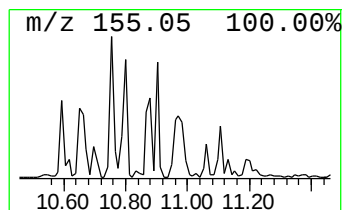
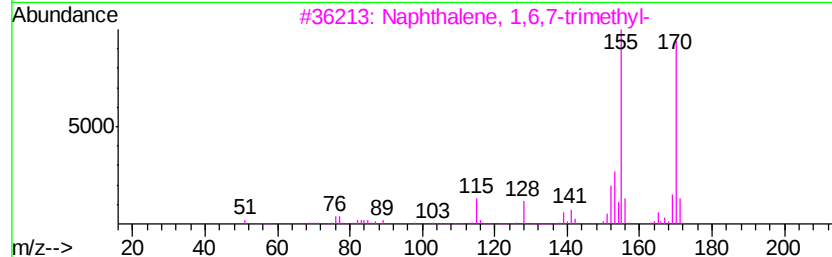
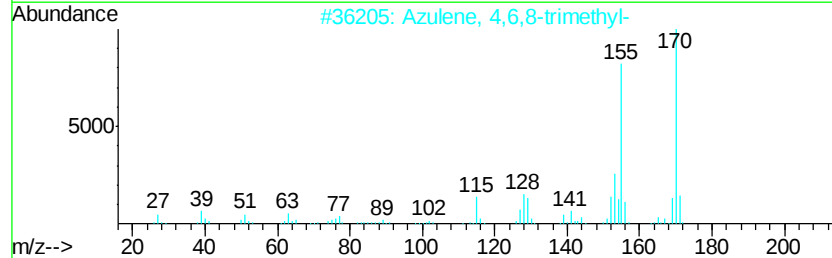
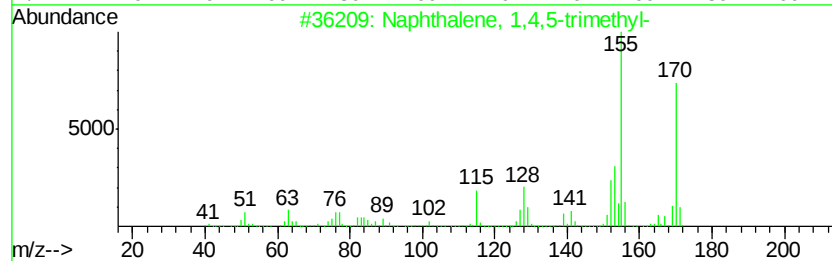
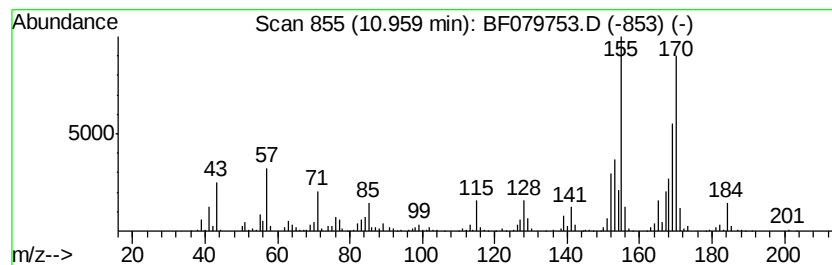
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 1,4,5-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	28.20 ng	690099	Acenaphthene-d10	10.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	83
2		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	70
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	70
4		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	64
5		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	64



Data Path : Z:\HPCHEM1\BNA_F\Data\BF060515\
Data File : BF079753.D
Acq On : 6 Jun 2015 4:02
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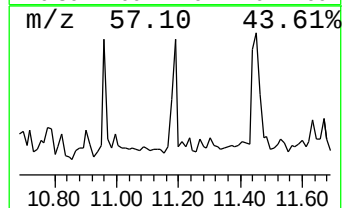
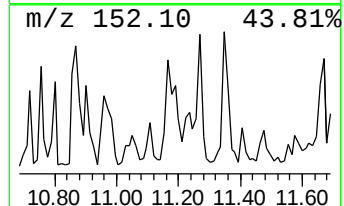
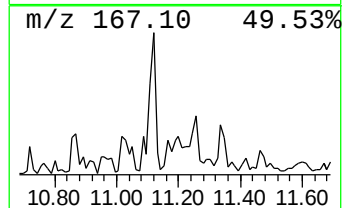
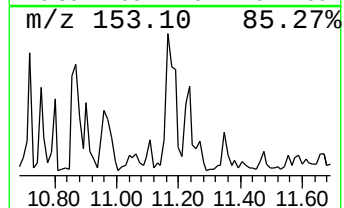
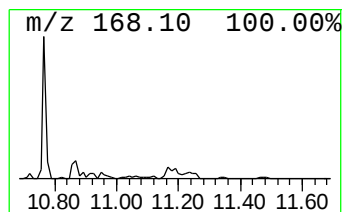
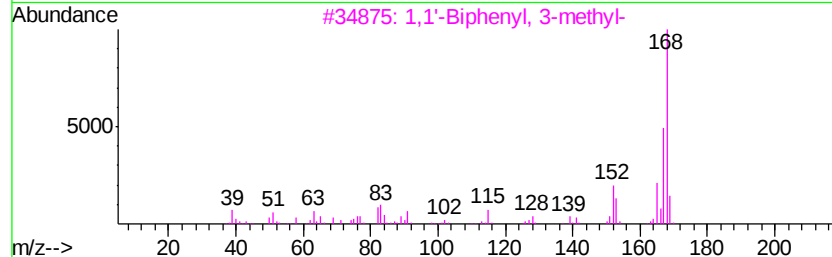
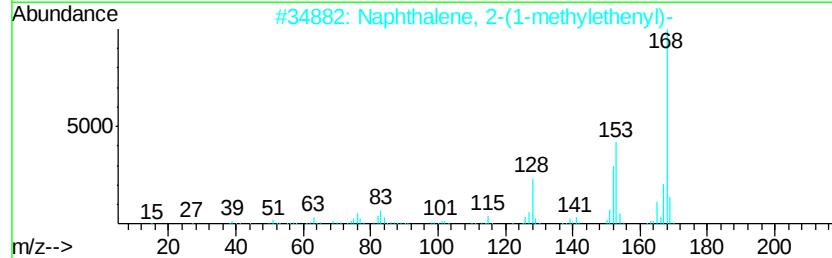
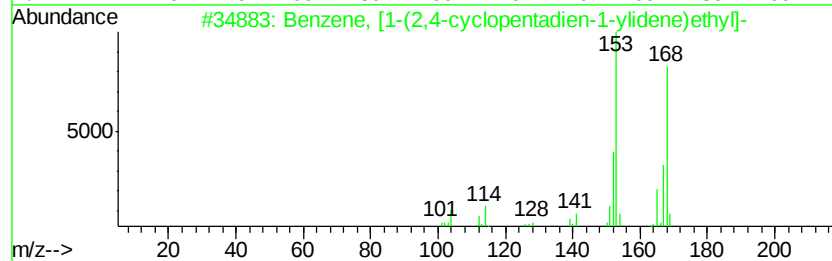
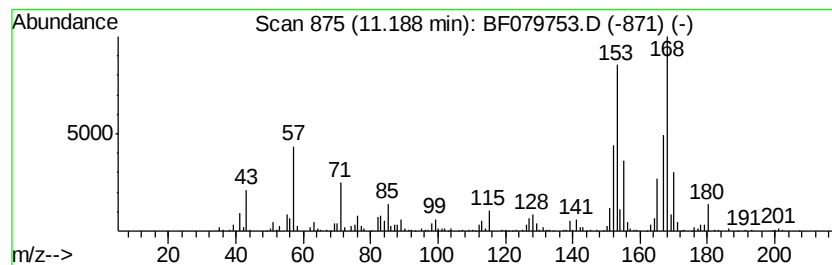
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzene, [1-(2,4-cyclopenta... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	27.39 ng	670499	Acenaphthene-d10	10.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	53
2		Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	47
3		1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	46
4		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	43
5		1-Isopropenylnaphthalene	168	C13H12	001855-47-6	43



Data Path : Z:\HPCHEM1\BNA_F\Data\BF060515\
Data File : BF079753.D
Acq On : 6 Jun 2015 4:02
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Misc :
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ClientSampleId :
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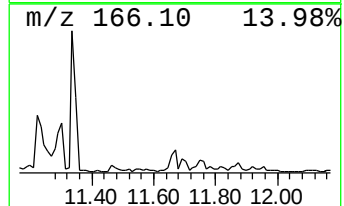
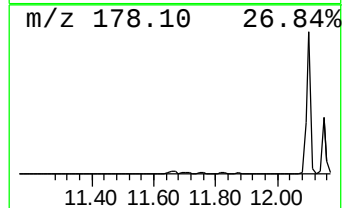
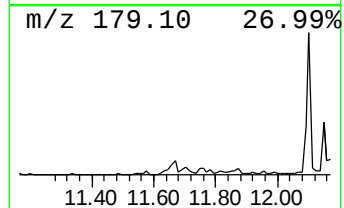
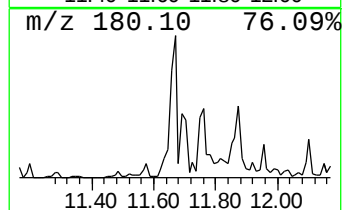
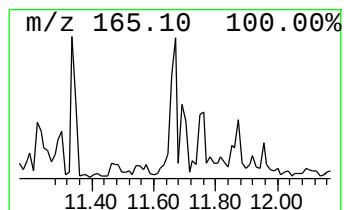
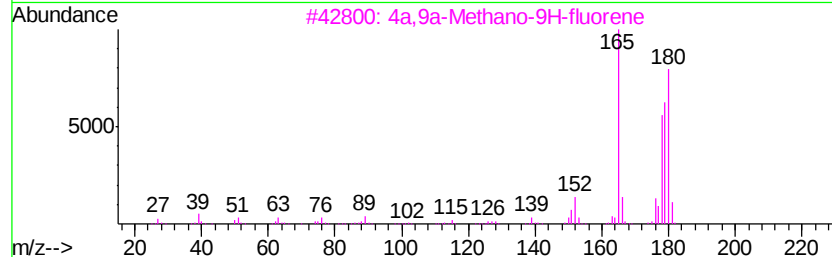
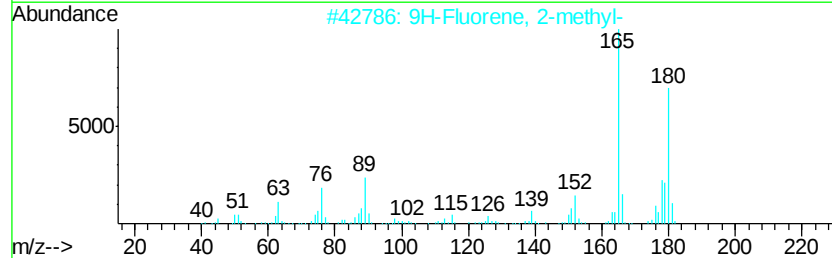
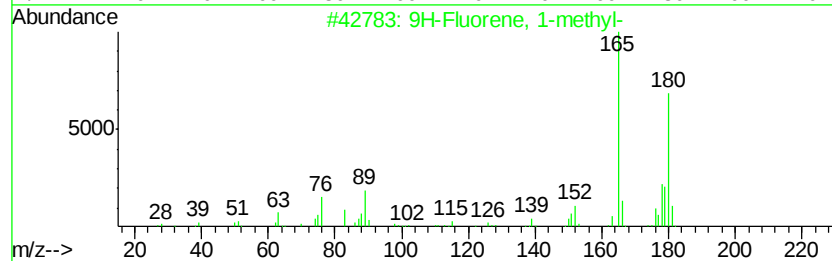
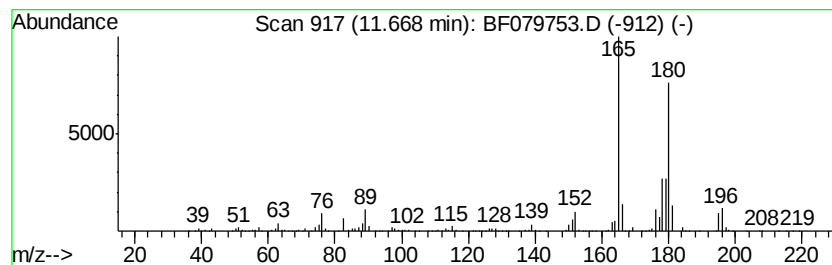
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9H-Fluorene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	31.27 ng	1036060	Phenanthrene-d10	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
3		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
4		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	81
5		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76



Data Path : Z:\HPCHEM1\BNA_F\Data\BF060515\
Data File : BF079753.D
Acq On : 6 Jun 2015 4:02
Operator : TP/IZ
Sample : G2464-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12D

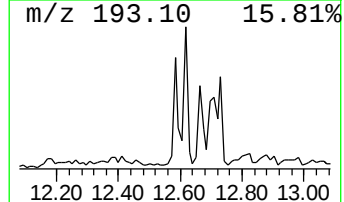
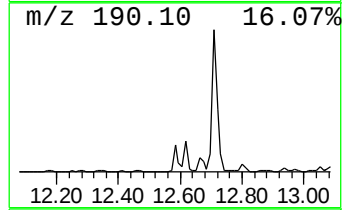
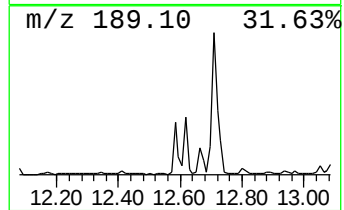
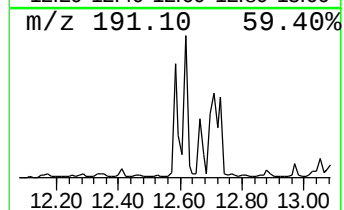
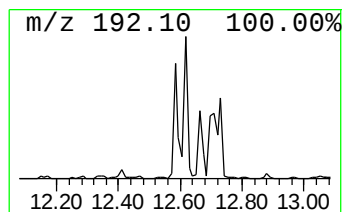
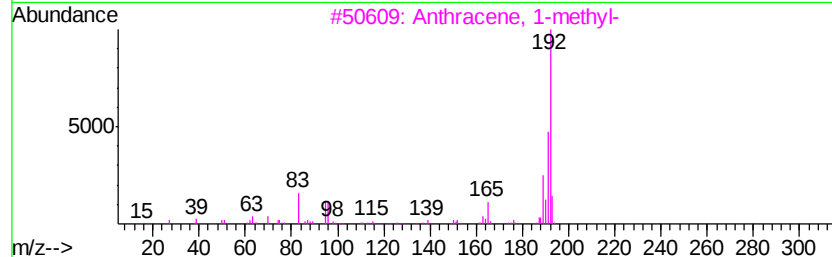
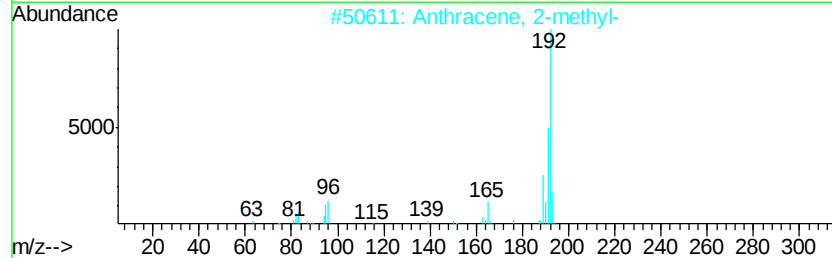
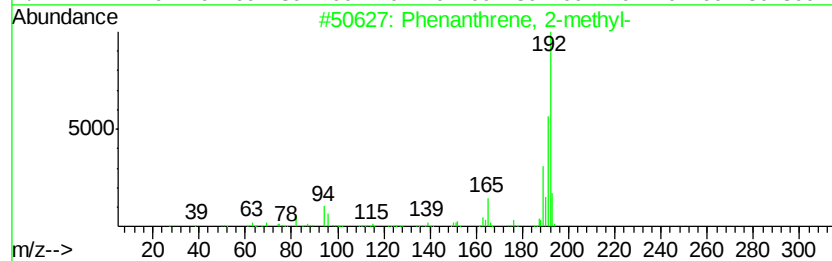
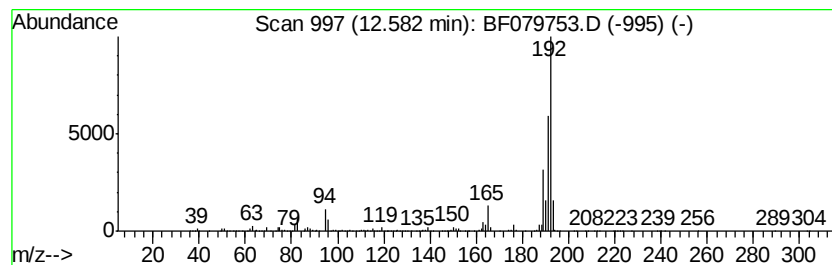
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	50.15 ng	1661510	Phenanthrene-d10	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90



Data Path : Z:\HPCHEM1\BNA_F\Data\BF060515\
Data File : BF079753.D
Acq On : 6 Jun 2015 4:02
Operator : TP/IZ
Sample : G2464-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12D

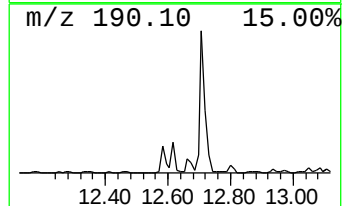
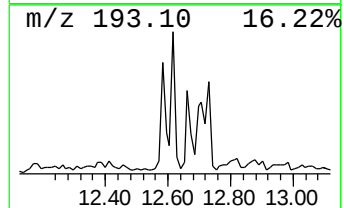
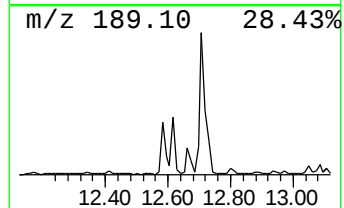
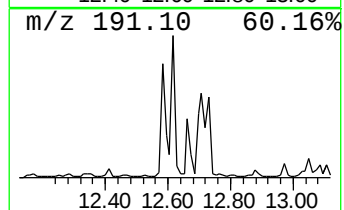
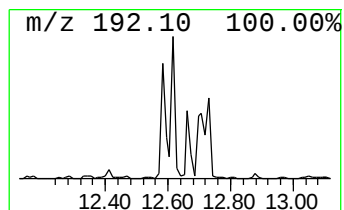
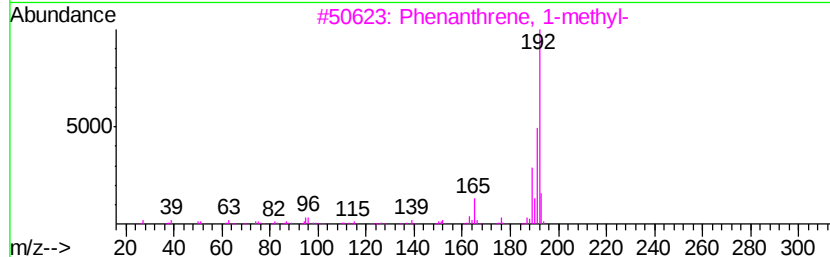
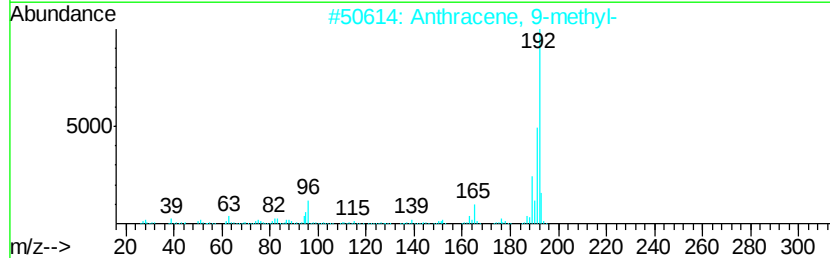
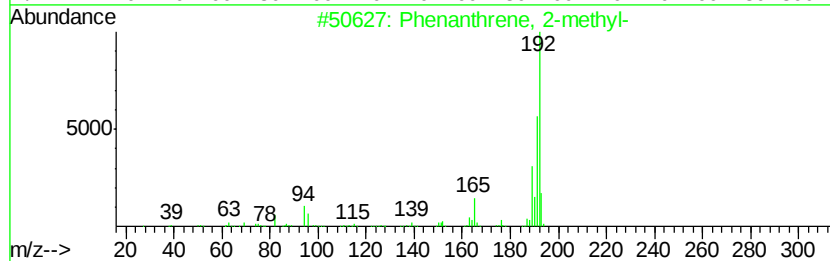
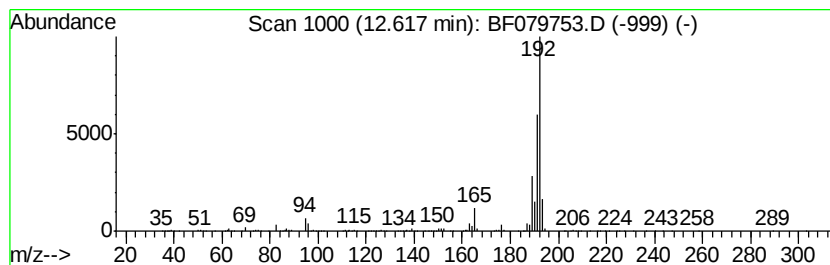
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown12.62 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	36.54 ng	1210700	Phenanthrene-d10	12.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91



Data Path : Z:\HPCHEM1\BNA_F\Data\BF060515\
Data File : BF079753.D
Acq On : 6 Jun 2015 4:02
Operator : TP/IZ
Sample : G2464-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12D

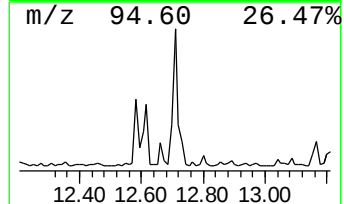
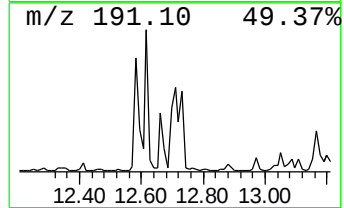
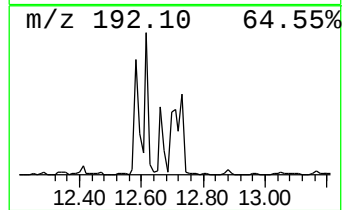
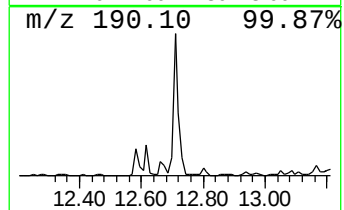
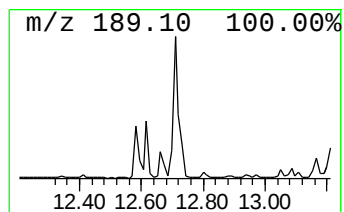
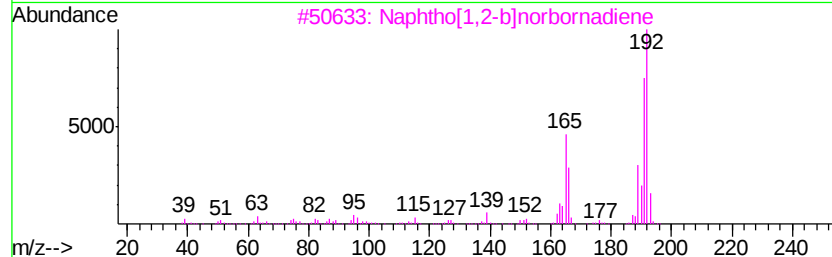
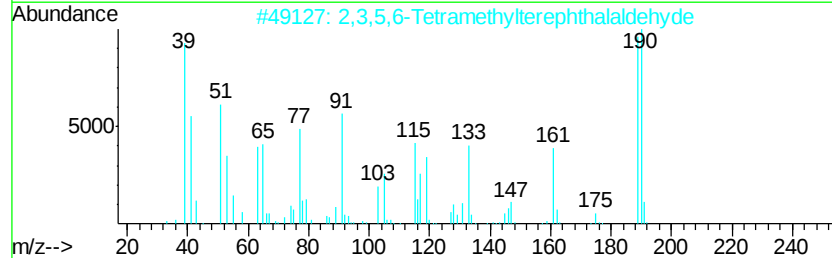
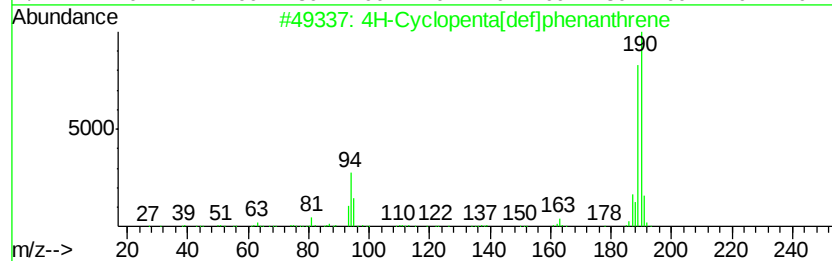
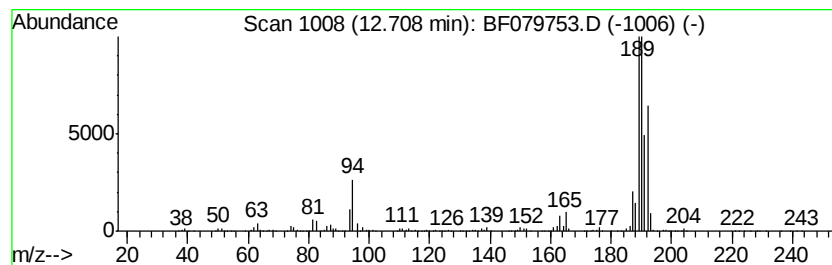
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	92.70 ng	3071450	Phenanthrene-d10	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3		Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	20
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	18
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	15



Data Path : Z:\HPCHEM1\BNA_F\Data\BF060515\
Data File : BF079753.D
Acq On : 6 Jun 2015 4:02
Operator : TP/IZ
Sample : G2464-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

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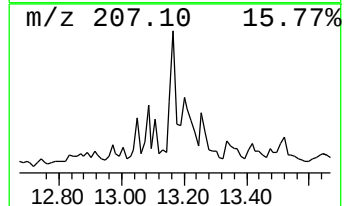
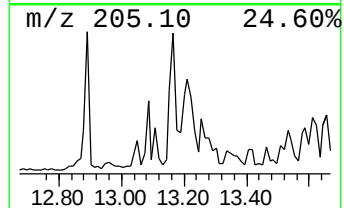
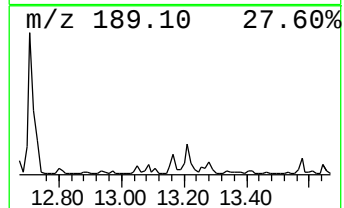
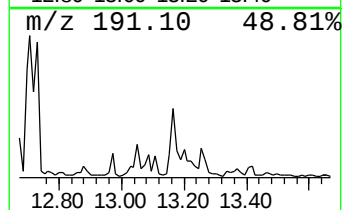
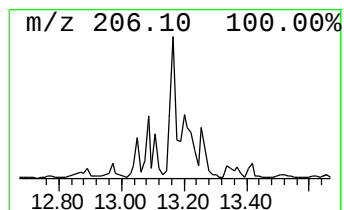
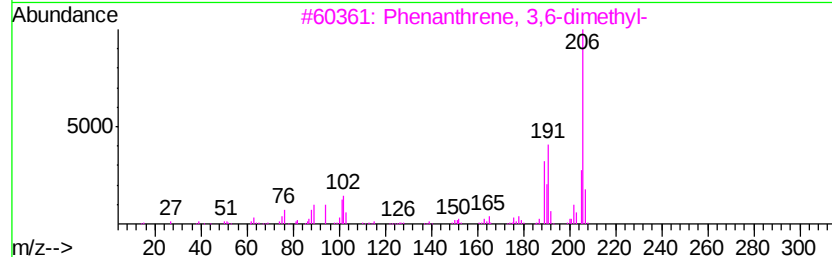
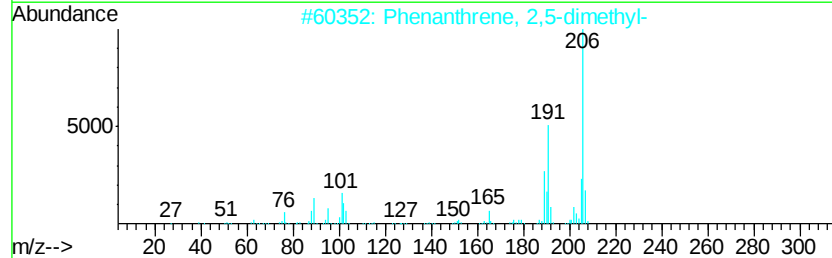
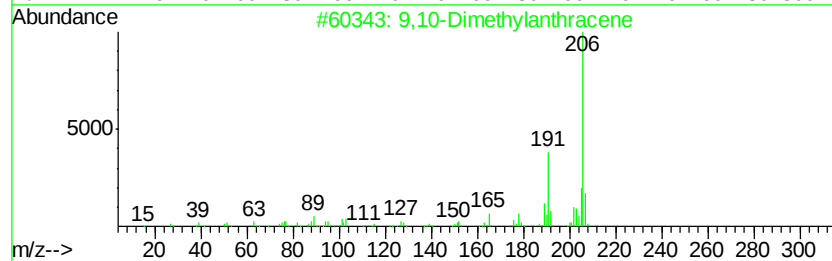
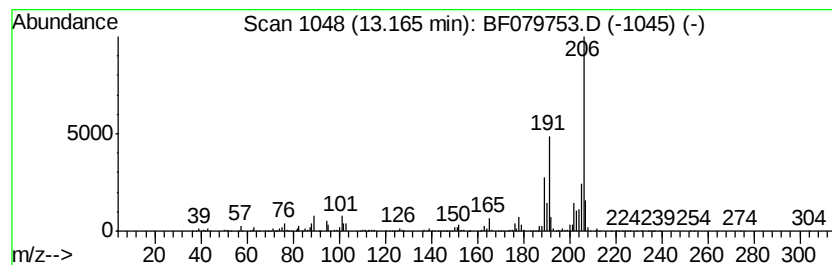
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 9,10-Dimethylantracene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	32.15 ng	1065100	Phenanthrene-d10	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	94
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4		di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87



Data Path : Z:\HPCHEM1\BNA_F\Data\BF060515\
Data File : BF079753.D
Acq On : 6 Jun 2015 4:02
Operator : TP/IZ
Sample : G2464-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12D

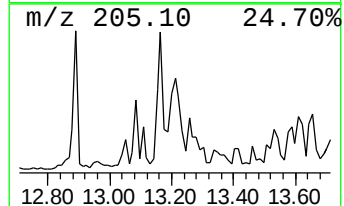
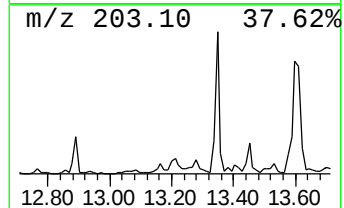
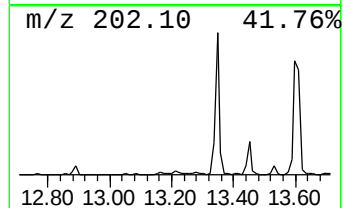
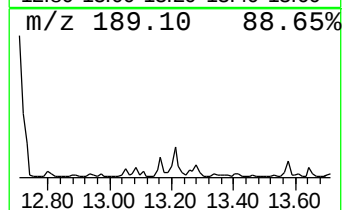
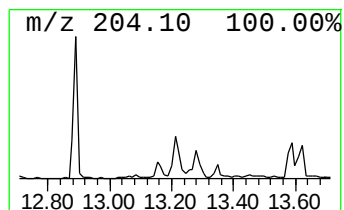
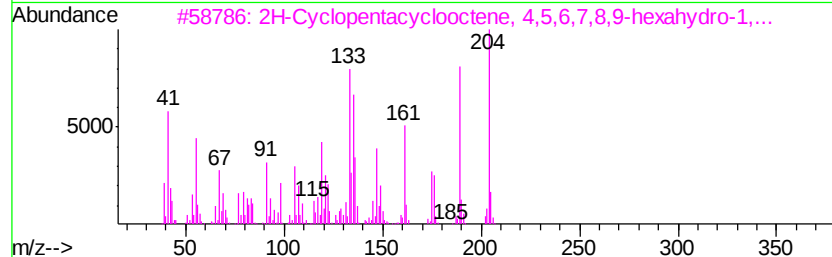
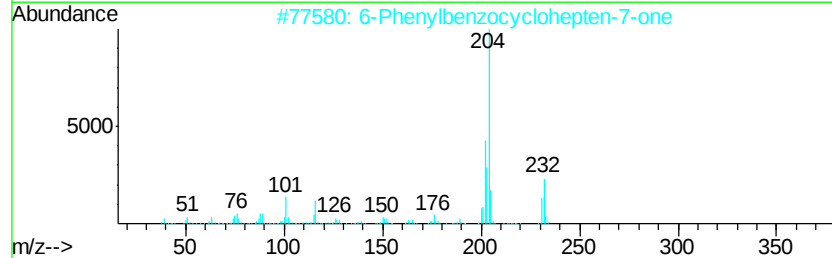
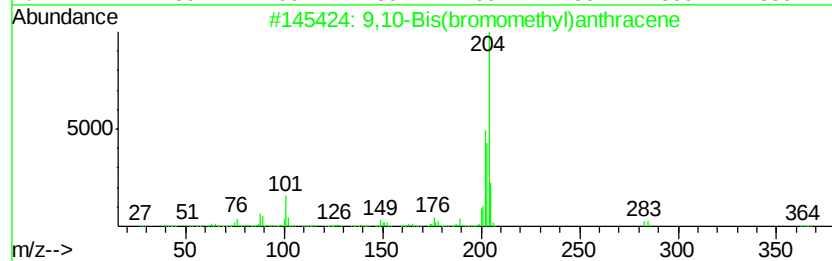
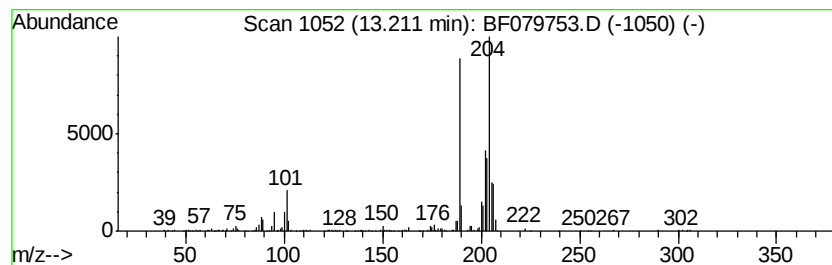
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown13.21 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	28.91 ng	957802	Phenanthrene-d10	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
2		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	47
3		2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	46
4		9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	42



Data Path : Z:\HPCHEM1\BNA_F\Data\BF060515\
Data File : BF079753.D
Acq On : 6 Jun 2015 4:02
Operator : TP/IZ
Sample : G2464-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12D

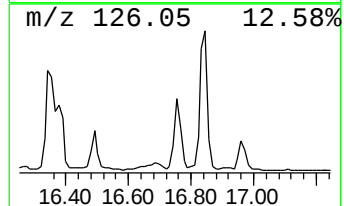
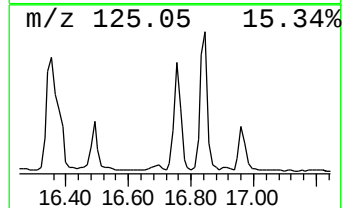
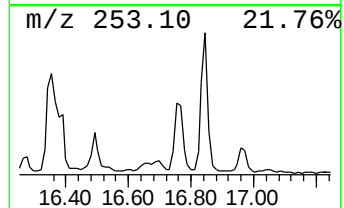
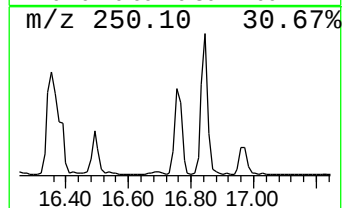
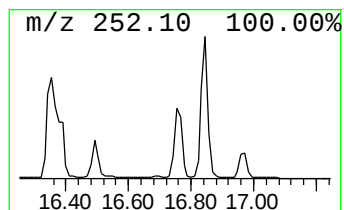
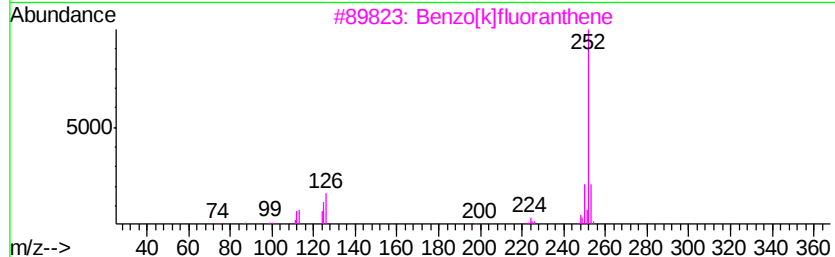
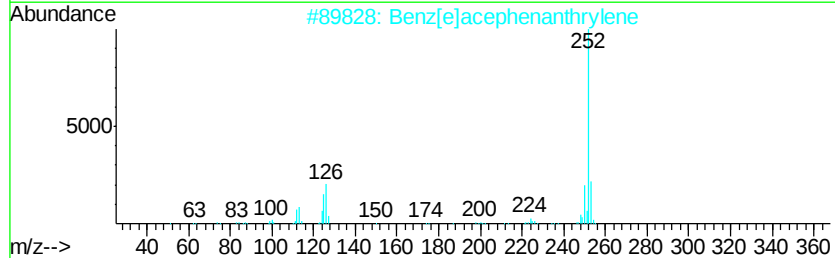
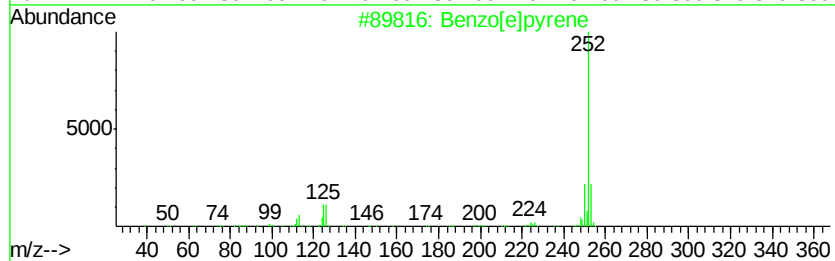
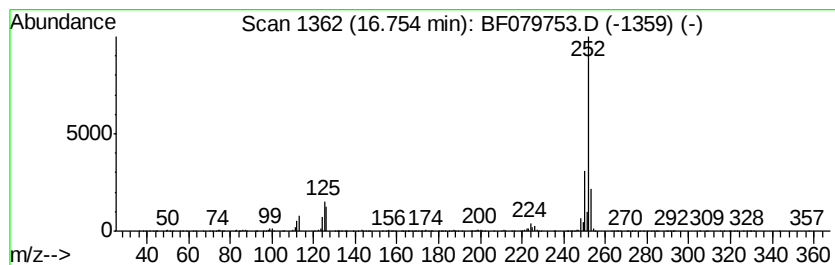
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	33.89 ng	1195250	Perylene-d12	16.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4		Perylene	252	C20H12	000198-55-0	94
5		Benzo[a]pyrene	252	C20H12	000050-32-8	93



Data Path : Z:\HPCHEM1\BNA_F\Data\BF060515\
 Data File : BF079753.D
 Acq On : 6 Jun 2015 4:02
 Operator : TP/IZ
 Sample : G2464-07 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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					#	RT	Resp	Conc
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Indene	7.76	45.1	ng	737415	1	7.50	326789	20.0
Naphthalene, 1-et...	10.07	38.5	ng	941435	3	10.56	489516	20.0
Naphthalene, 2,6-...	10.14	63.5	ng	1555140	3	10.56	489516	20.0
Naphthalene, 2,3-...	10.20	77.3	ng	1891600	3	10.56	489516	20.0
Naphthalene, 1,6-...	10.24	36.3	ng	888588	3	10.56	489516	20.0
Naphthalene, 1,4,...	10.87	27.6	ng	675686	3	10.56	489516	20.0
Naphthalene, 1,4,...	10.96	28.2	ng	690099	3	10.56	489516	20.0
Benzene, [1-(2,4-...	11.19	27.4	ng	670499	3	10.56	489516	20.0
9H-Fluorene, 1-me...	11.67	31.3	ng	1036060	4	12.07	662663	20.0
Phenanthrene, 2-m...	12.58	50.1	ng	1661510	4	12.07	662663	20.0
unknown12.62	12.62	36.5	ng	1210700	4	12.07	662663	20.0
4H-Cyclopenta[def...	12.71	92.7	ng	3071450	4	12.07	662663	20.0
9,10-Dimethylanth...	13.17	32.1	ng	1065100	4	12.07	662663	20.0
unknown13.21	13.21	28.9	ng	957802	4	12.07	662663	20.0
Benzo[e]pyrene	16.75	33.9	ng	1195250	6	16.93	705395	20.0