

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032015\
 Data File : BF077882.D
 Acq On : 21 Mar 2015 1:11
 Operator : TP/IZ
 Sample : G1589-01
 Misc : W
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1

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-BF031115.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	1.401	41	45	49	rVB	173297	325796	8.59%	0.430%
2	1.573	57	60	63	rVB	232074	296104	7.81%	0.391%
3	5.413	394	396	399	rBV	389891	394699	10.41%	0.521%
4	6.705	505	509	510	rBV	257387	297834	7.86%	0.393%
5	6.842	519	521	523	rVV	718998	810560	21.38%	1.069%
6	7.128	543	546	548	rBV	282909	290241	7.66%	0.383%
7	7.310	559	562	568	rVB	867113	998252	26.33%	1.317%
8	7.493	575	578	579	rVB2	98835	198443	5.23%	0.262%
9	7.528	579	581	583	rBV	263643	291564	7.69%	0.385%
10	7.619	586	589	593	rVB3	176071	409369	10.80%	0.540%
11	7.825	601	607	608	rBV2	597672	954284	25.17%	1.259%
12	7.939	615	617	619	rVB	212460	253855	6.70%	0.335%
13	7.973	619	620	623	rBV2	128349	191920	5.06%	0.253%
14	8.088	627	630	631	rVB3	234772	295061	7.78%	0.389%
15	8.122	631	633	635	rBV	445424	597059	15.75%	0.788%
16	8.248	640	644	647	rBV2	322417	678198	17.89%	0.895%
17	8.305	647	649	651	rVB	246612	268582	7.08%	0.354%
18	8.351	651	653	654	rBV2	226962	310980	8.20%	0.410%
19	8.385	654	656	659	rVB2	600210	820546	21.64%	1.082%
20	8.442	659	661	663	rVB2	330038	450859	11.89%	0.595%
21	8.488	663	665	669	rBV3	500048	911648	24.05%	1.203%
22	8.568	669	672	675	rBV2	131495	262849	6.93%	0.347%
23	8.705	678	684	686	rBV2	806378	1608116	42.42%	2.121%
24	8.819	693	694	698	rVB2	867607	937621	24.73%	1.237%
25	8.945	703	705	710	rBV4	309571	678763	17.90%	0.895%
26	9.059	713	715	716	rVB2	181266	245205	6.47%	0.323%
27	9.093	716	718	719	rBV	301342	401914	10.60%	0.530%
28	9.128	719	721	723	rVB2	287895	522141	13.77%	0.689%
29	9.173	723	725	726	rBV	483909	594546	15.68%	0.784%
30	9.265	731	733	737	rBV3	1038904	1828661	48.24%	2.412%
31	9.333	737	739	741	rBV	448155	467629	12.34%	0.617%
32	9.391	741	744	747	rVB4	202046	424305	11.19%	0.560%
33	9.482	747	752	754	rBV4	415678	1082916	28.57%	1.429%
34	9.528	754	756	758	rVV2	359335	425391	11.22%	0.561%

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35	9.585	758	761	764	rVB3	647012	1335779	35.24%	1.762%
36	9.711	768	772	773	rBV2	958361	1216944	32.10%	1.605%
37	9.779	776	778	779	rVB2	233950	296803	7.83%	0.392%
38	9.859	779	785	786	rBV5	609197	1471979	38.83%	1.942%
39	9.893	786	788	790	rVB3	369394	470717	12.42%	0.621%
40	9.928	790	791	794	rVB3	208952	275989	7.28%	0.364%
41	10.019	794	799	801	rBV2	1565412	2270529	59.89%	2.995%
42	10.054	801	802	803	rVB	1207451	827708	21.83%	1.092%
43	10.134	807	809	810	rBV2	390533	432519	11.41%	0.571%
44	10.191	813	814	816	rBV2	306289	452522	11.94%	0.597%
45	10.236	816	818	819	rVV	522256	515646	13.60%	0.680%
46	10.282	819	822	825	rVB2	431985	698298	18.42%	0.921%
47	10.374	828	830	832	rBV	1069860	1837808	48.48%	2.424%
48	10.465	835	838	839	rBV	1703174	2000724	52.78%	2.639%
49	10.499	839	841	845	rVB2	1294749	2130239	56.19%	2.810%
50	10.579	845	848	853	rVB3	1431444	3790979	100.00%	5.001%
51	10.705	857	859	861	rVB3	643229	723733	19.09%	0.955%
52	10.762	863	864	866	rVB2	466354	561179	14.80%	0.740%
53	10.808	866	868	870	rBV2	223441	319990	8.44%	0.422%
54	10.842	870	871	872	rBV	207037	266644	7.03%	0.352%
55	10.876	872	874	876	rVV2	711583	761835	20.10%	1.005%
56	11.025	884	887	889	rVB	704958	1285957	33.92%	1.696%
57	11.071	889	891	892	rVB2	391956	402265	10.61%	0.531%
58	11.139	894	897	899	rVV2	1094978	1743074	45.98%	2.299%
59	11.185	899	901	903	rVB2	783425	1234470	32.56%	1.628%
60	11.242	903	906	908	rBV4	605847	780531	20.59%	1.030%
61	11.277	908	909	911	rBV	662395	996423	26.28%	1.314%
62	11.311	911	912	914	rVB2	571248	692595	18.27%	0.914%
63	11.391	916	919	922	rBV4	751032	1579820	41.67%	2.084%
64	11.505	926	929	932	rVB4	262300	680776	17.96%	0.898%
65	11.551	932	933	935	rVB2	695244	682471	18.00%	0.900%
66	11.597	935	937	939	rBV	700728	1083592	28.58%	1.429%
67	11.631	939	940	944	rVB2	359851	667246	17.60%	0.880%
68	11.745	945	950	952	rBV2	1364088	2067245	54.53%	2.727%
69	11.859	957	960	963	rVB3	755113	1590682	41.96%	2.098%
70	11.917	963	965	966	rBV	346489	486232	12.83%	0.641%
71	11.985	969	971	972	rBV	227077	286637	7.56%	0.378%

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72	12.019	972	974	976	rVV	458302	442882	11.68%	0.584%
73	12.077	976	979	981	rVV	2331053	2859359	75.43%	3.772%
74	12.111	981	982	986	rVB2	438708	636632	16.79%	0.840%
75	12.179	986	988	989	rBV2	155696	224666	5.93%	0.296%
76	12.237	991	993	995	rVV2	400901	645611	17.03%	0.852%
77	12.271	995	996	998	rVV2	572751	822372	21.69%	1.085%
78	12.339	1000	1002	1004	rVB2	436520	524216	13.83%	0.692%
79	12.408	1006	1008	1011	rVB3	241926	431160	11.37%	0.569%
80	12.648	1027	1029	1032	rVB	1267075	1564759	41.28%	2.064%
81	12.717	1032	1035	1036	rBV2	340807	489358	12.91%	0.646%
82	12.785	1039	1041	1043	rVB3	253509	356084	9.39%	0.470%
83	12.865	1046	1048	1050	rBV2	277965	335497	8.85%	0.443%
84	13.025	1059	1062	1065	rBV4	166146	462357	12.20%	0.610%
85	13.082	1065	1067	1069	rVV2	348210	450154	11.87%	0.594%
86	13.128	1069	1071	1073	rVV2	292424	441506	11.65%	0.582%
87	13.197	1075	1077	1079	rVB2	200008	262815	6.93%	0.347%
88	13.345	1087	1090	1091	rBV	412116	657623	17.35%	0.868%
89	13.368	1091	1092	1096	rVB	465376	690461	18.21%	0.911%
90	13.471	1099	1101	1103	rBV	360776	471037	12.43%	0.621%
91	13.631	1113	1115	1117	rVB	190763	221920	5.85%	0.293%
92	13.940	1140	1142	1143	rVV	203296	269533	7.11%	0.356%
93	14.031	1147	1150	1151	rVV	305538	525439	13.86%	0.693%
94	14.065	1151	1153	1157	rVB3	234300	465797	12.29%	0.614%
95	14.705	1206	1209	1211	rVB	1257957	1344673	35.47%	1.774%
96	15.871	1309	1311	1318	rVB2	170259	243991	6.44%	0.322%
97	15.986	1318	1321	1323	rBV	394598	478693	12.63%	0.631%
98	17.129	1419	1421	1424	rBV	353128	398530	10.51%	0.526%
99	17.677	1467	1469	1472	rBV	399932	448816	11.84%	0.592%
100	18.969	1577	1582	1593	rVB2	42709	194857	5.14%	0.257%

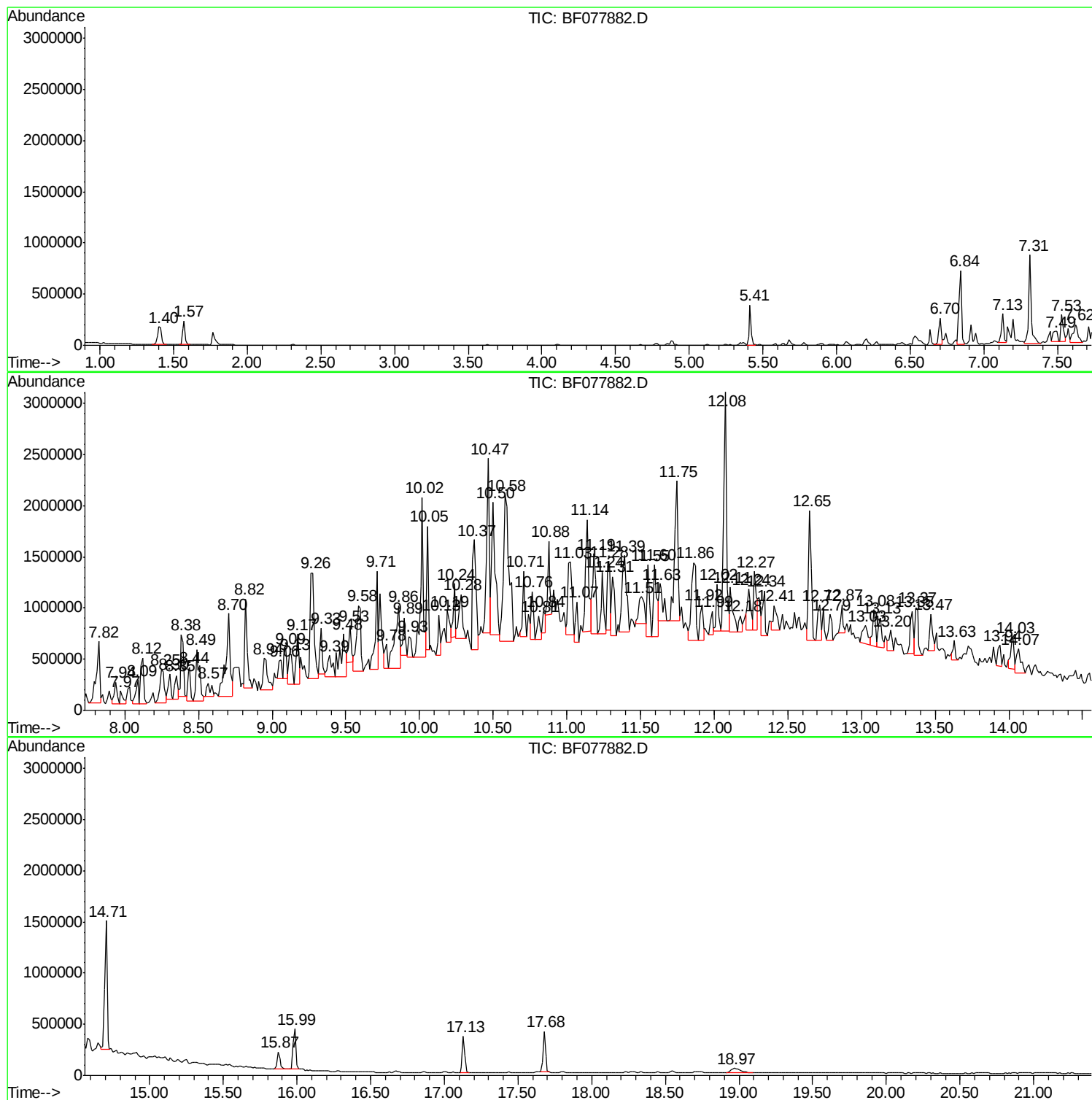
Sum of corrected areas: 75805289

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.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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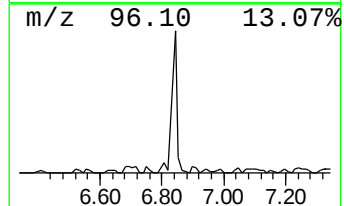
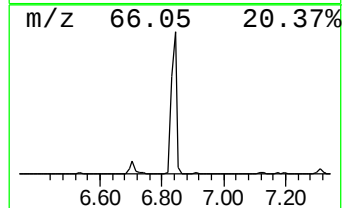
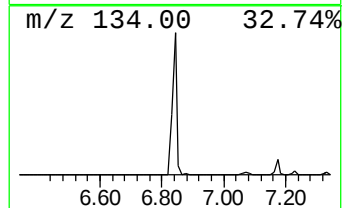
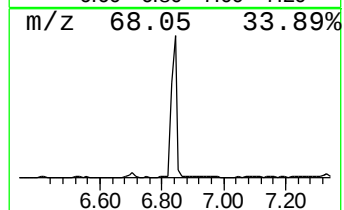
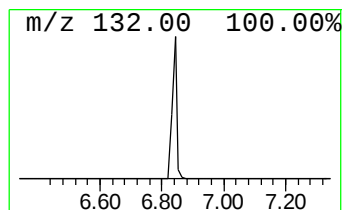
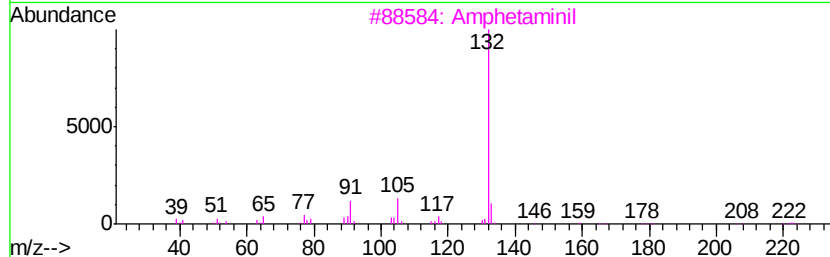
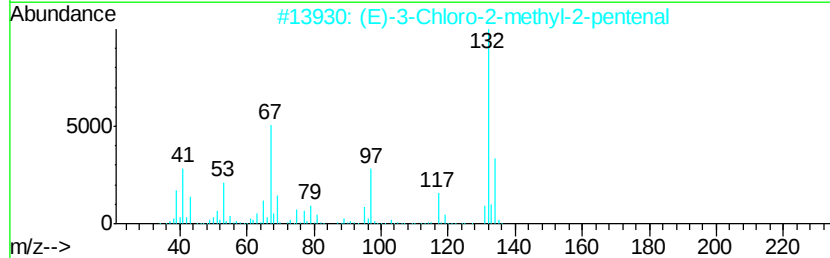
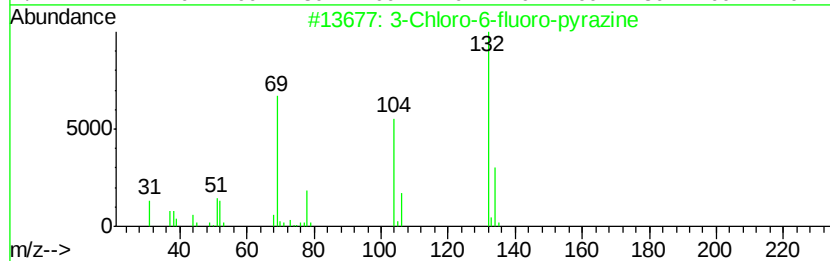
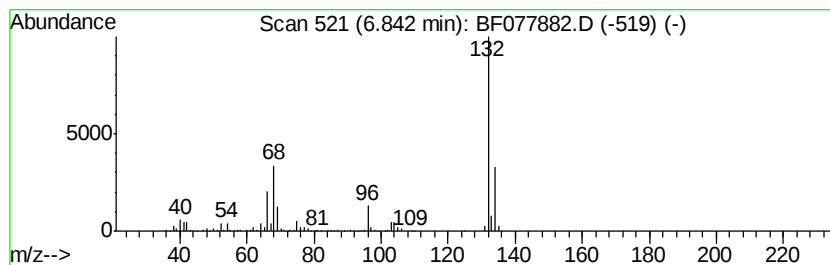
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.84 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.84	55.85 ng	810560	1,4-Dichlorobenzene-d4	7.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3		Amphetaminil	250	C17H18N2	017590-01-1	12
4		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5		Xenon	132	Xe	007440-63-3	9



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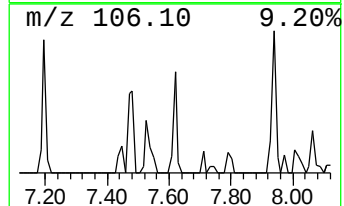
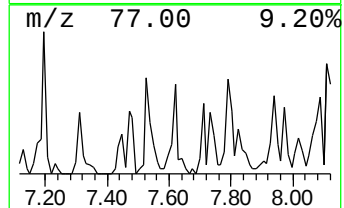
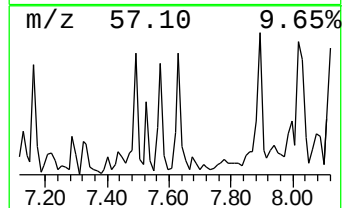
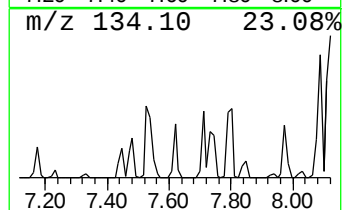
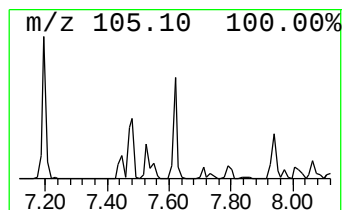
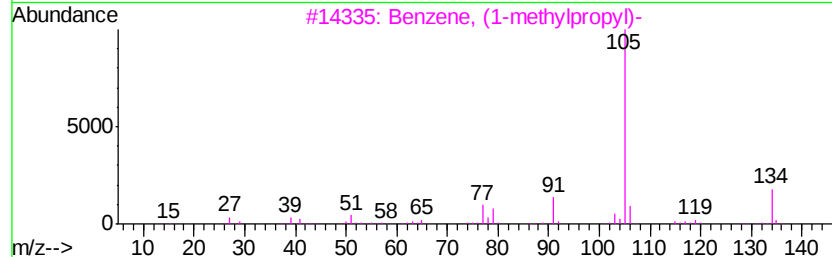
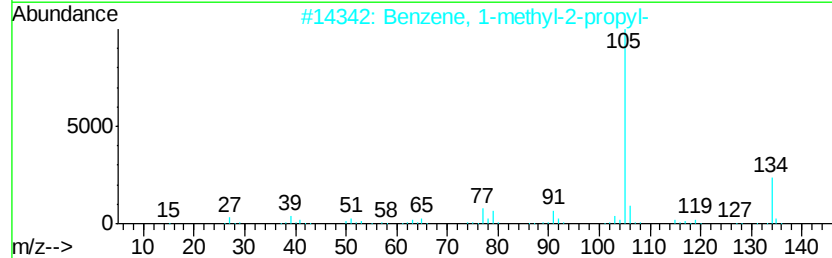
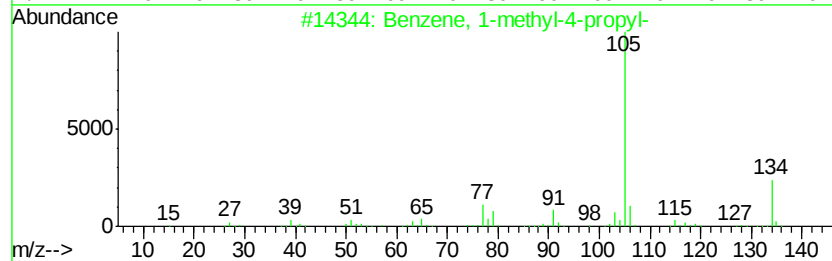
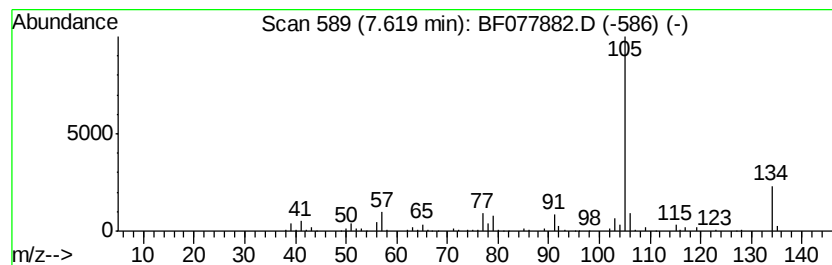
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 1-methyl-4-propyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	28.21 ng	409369	1,4-Dichlorobenzene-d4	7.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	93
3		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87
4		Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	72
5		2-Tolyloxirane	134	C9H10O	002783-26-8	58



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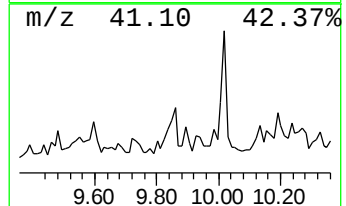
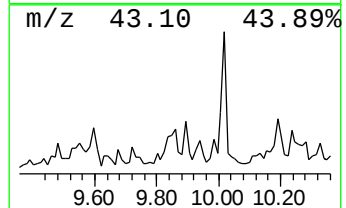
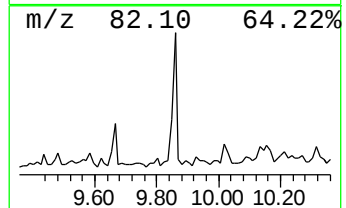
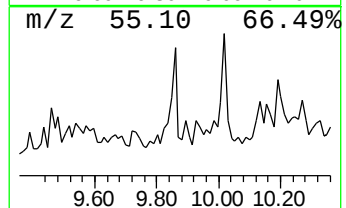
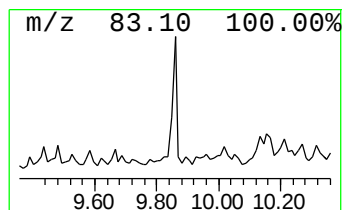
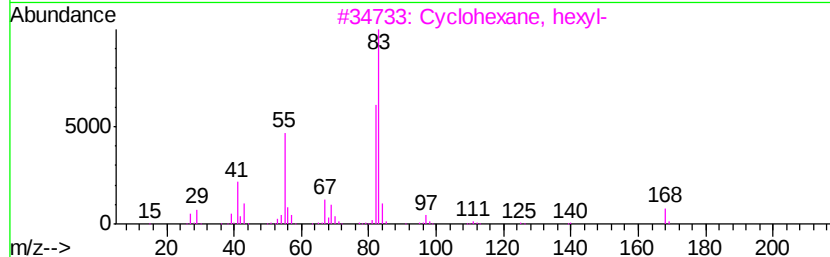
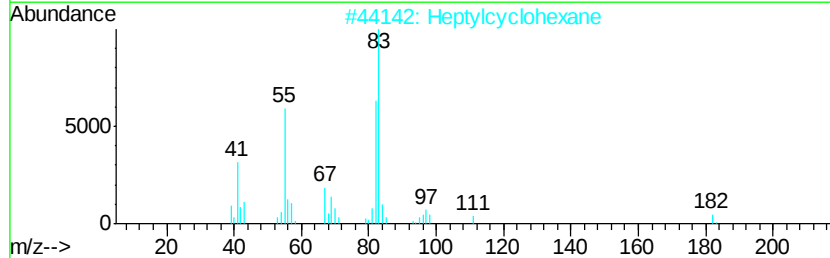
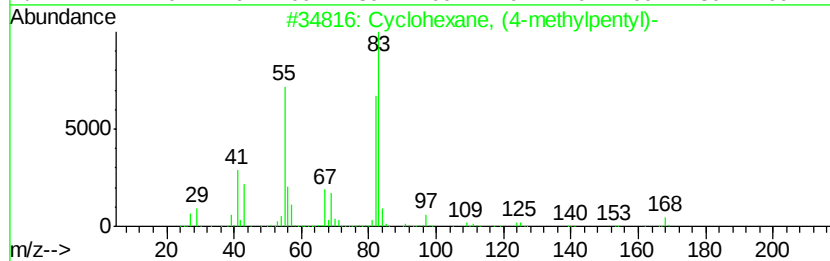
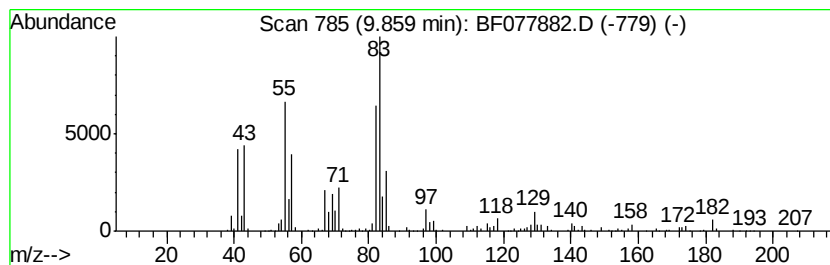
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Peak Number 4 Cyclohexane, (4-methylpentyl)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	38.64 ng	1471980	Acenaphthene-d10	10.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	64
2		Heptylcyclohexane	182	C13H26	005617-41-4	64
3		Cyclohexane, hexyl-	168	C12H24	004292-75-5	53
4		Cyclohexane, undecyl-	238	C17H34	054105-66-7	53
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	52



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\
Data File : BF077882.D
Acq On : 21 Mar 2015 1:11
Operator : TP/IZ
Sample : G1589-01
Misc : W
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-1

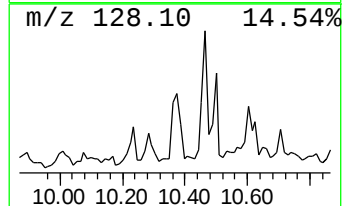
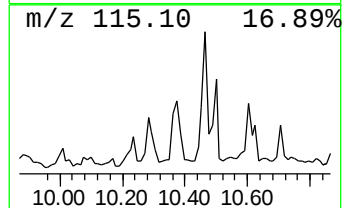
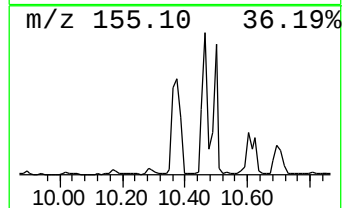
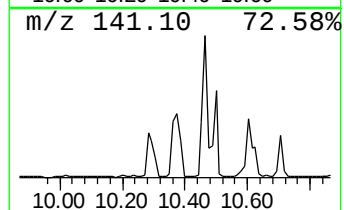
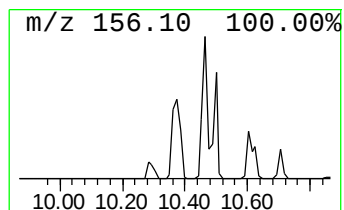
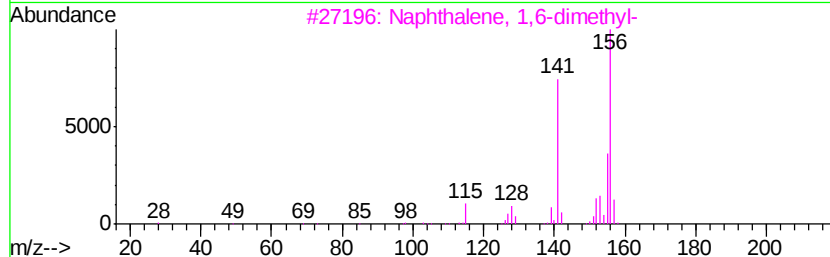
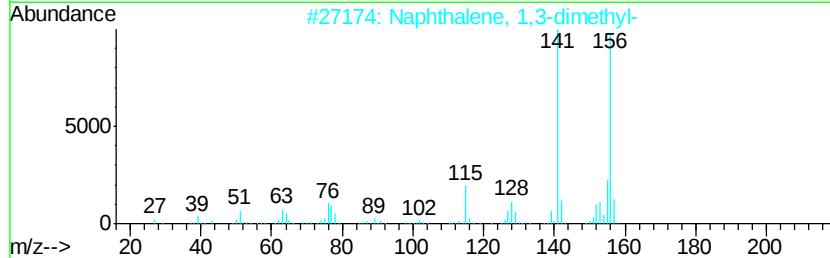
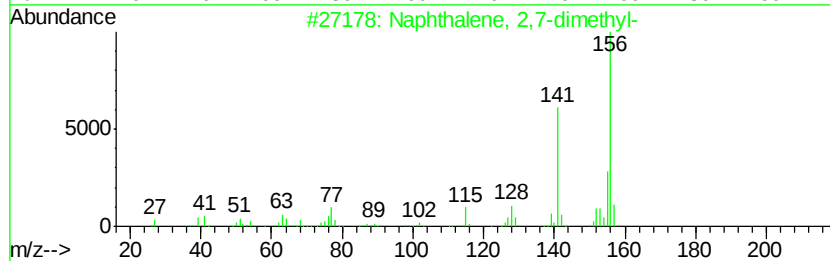
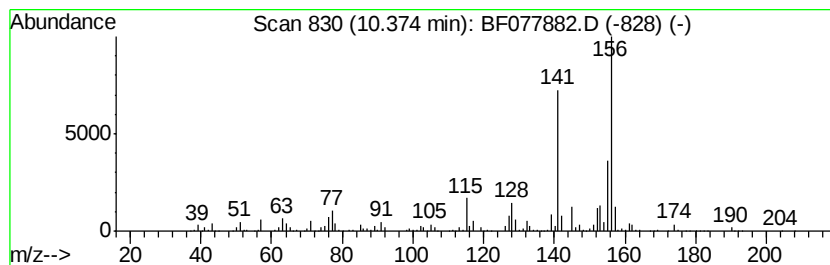
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.37	48.25 ng	1837810	Acenaphthene-d10	10.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\
Data File : BF077882.D
Acq On : 21 Mar 2015 1:11
Operator : TP/IZ
Sample : G1589-01
Misc : W
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-1

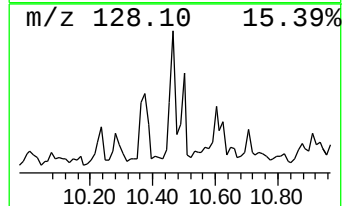
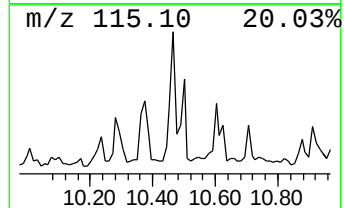
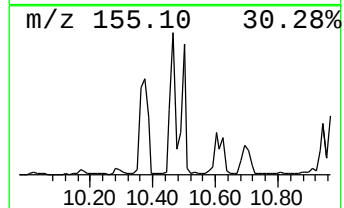
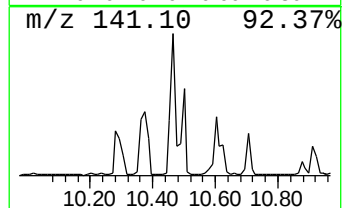
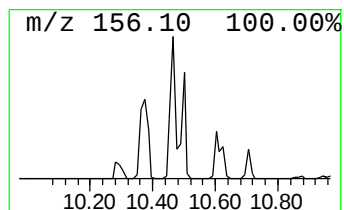
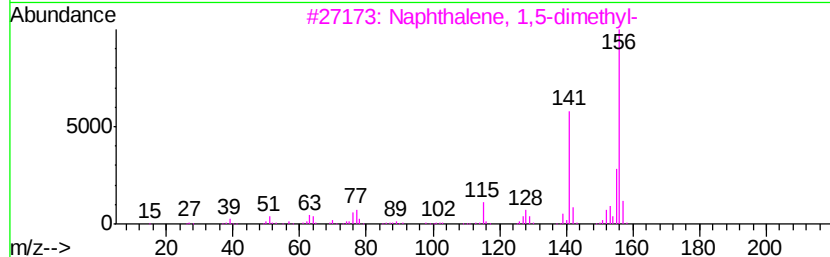
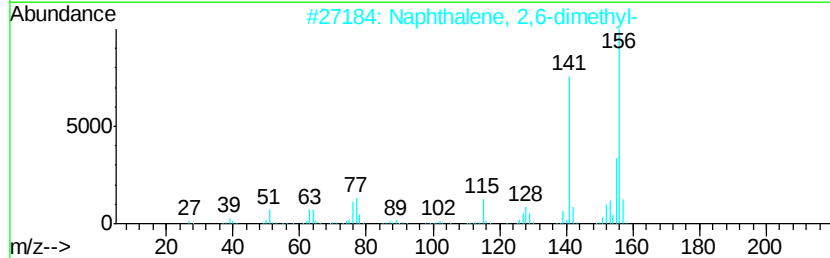
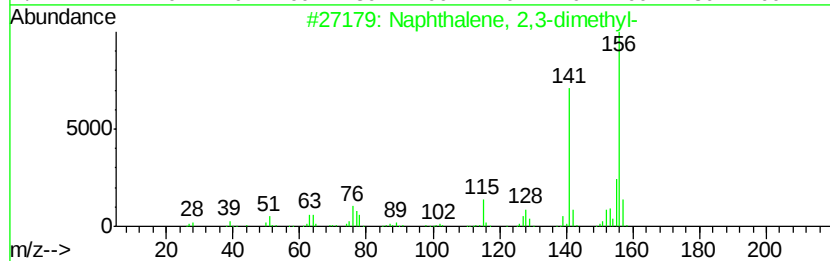
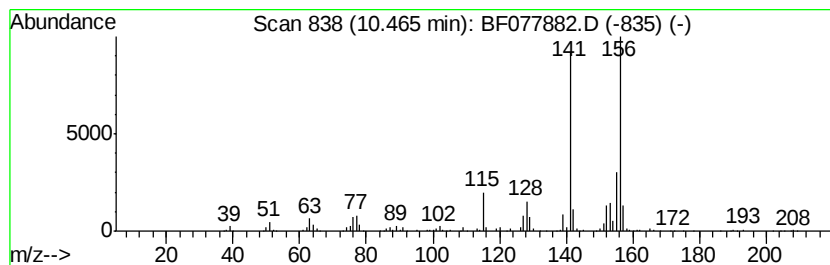
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	52.52 ng	2000720	Acenaphthene-d10	10.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\
Data File : BF077882.D
Acq On : 21 Mar 2015 1:11
Operator : TP/IZ
Sample : G1589-01
Misc : W
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-1

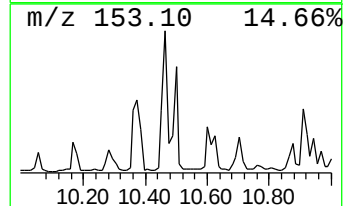
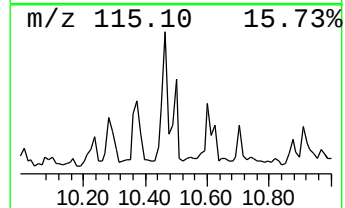
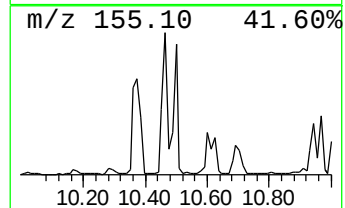
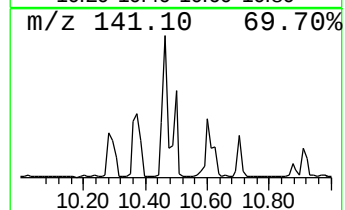
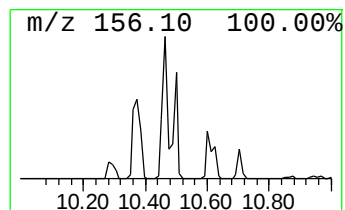
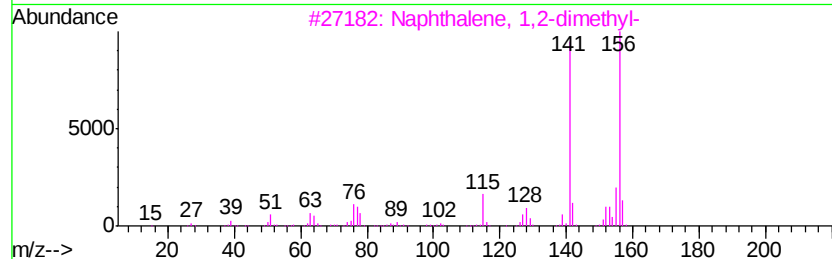
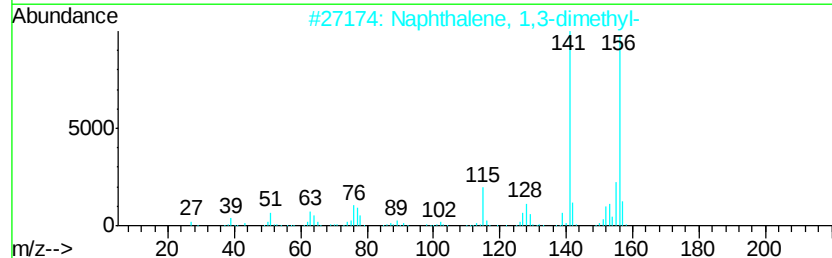
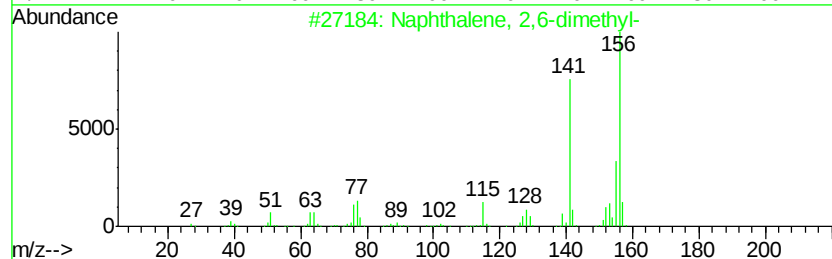
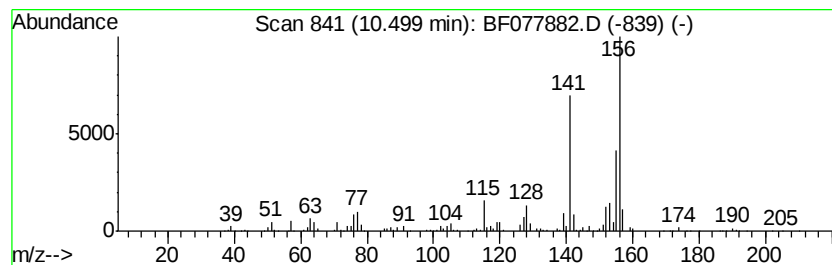
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	55.92 ng	2130240	Acenaphthene-d10	10.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
4		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\
Data File : BF077882.D
Acq On : 21 Mar 2015 1:11
Operator : TP/IZ
Sample : G1589-01
Misc : W
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-1

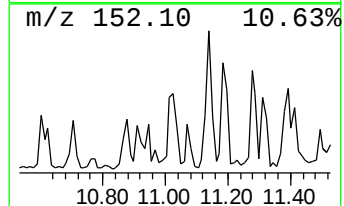
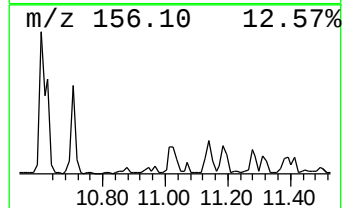
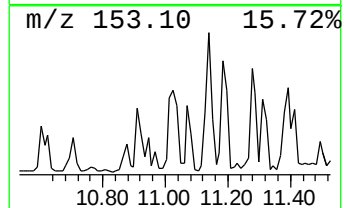
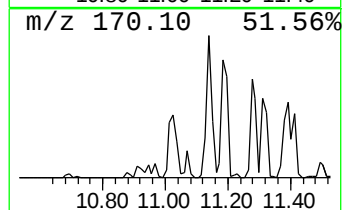
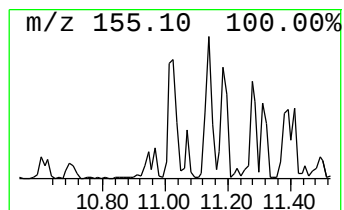
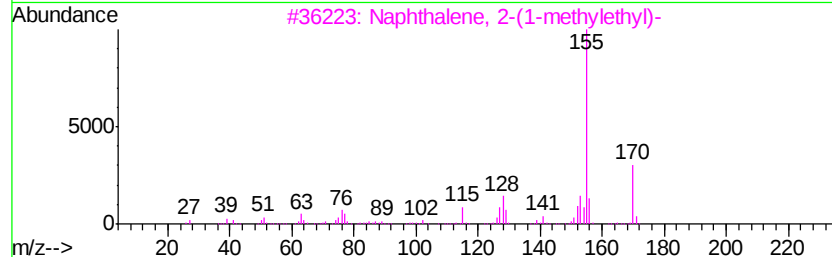
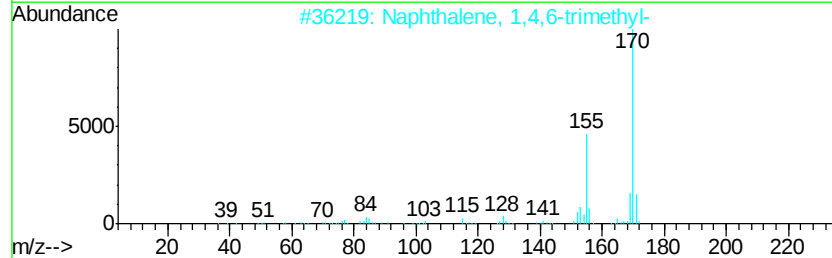
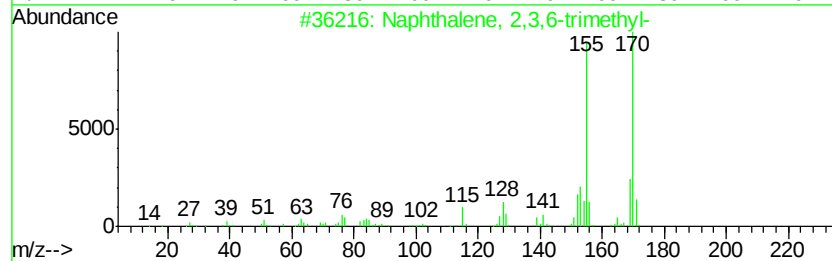
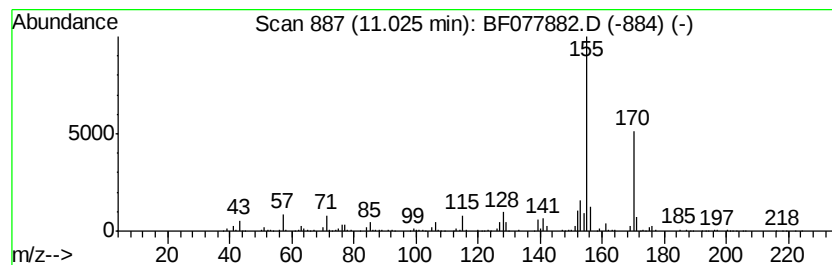
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	33.76 ng	1285960	Acenaphthene-d10	10.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
3		Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
4		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	76
5		Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\
Data File : BF077882.D
Acq On : 21 Mar 2015 1:11
Operator : TP/IZ
Sample : G1589-01
Misc : W
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-1

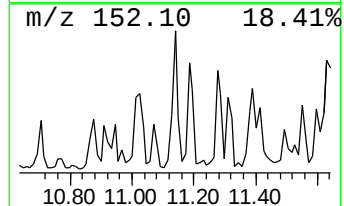
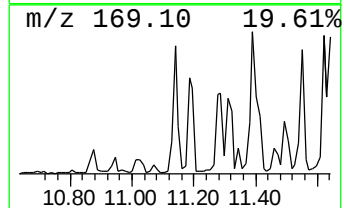
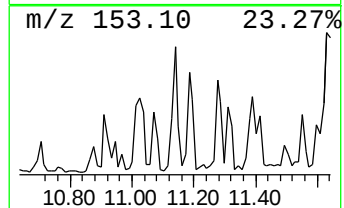
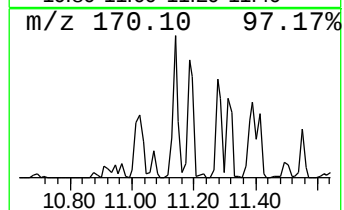
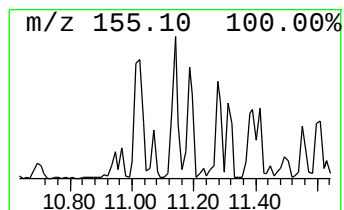
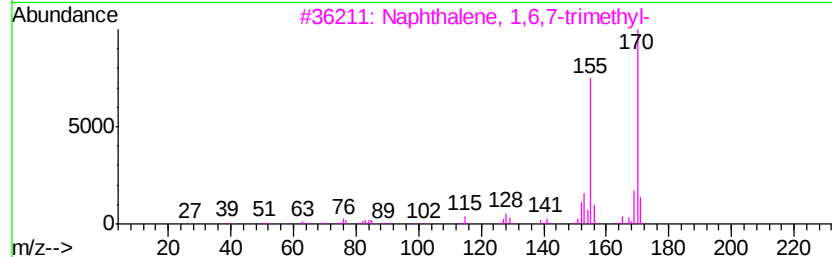
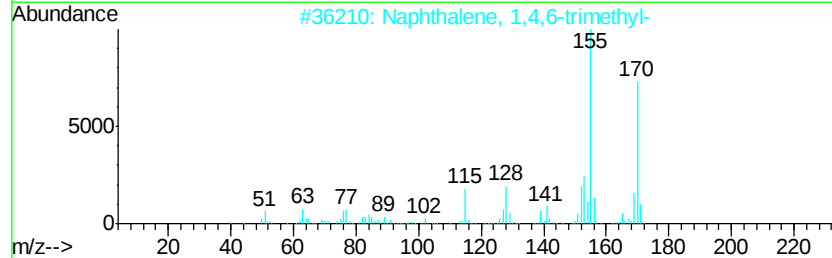
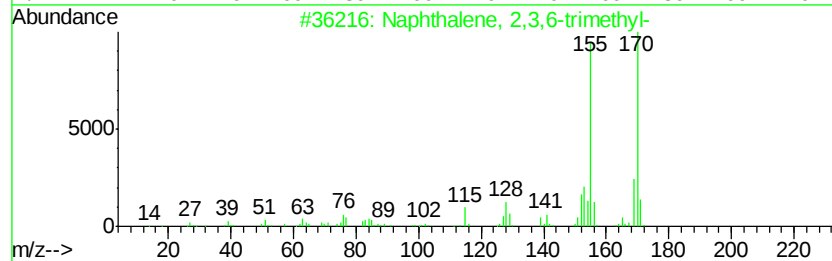
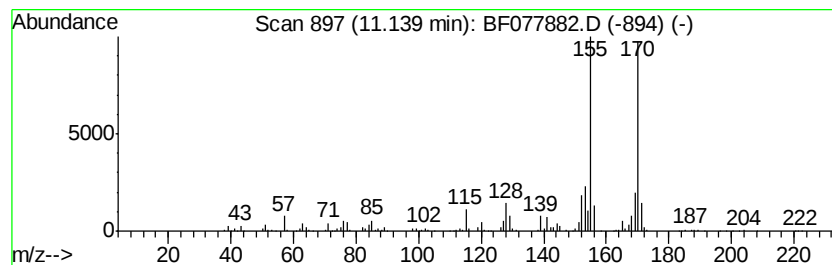
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 1,4,6-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	45.76 ng	1743070	Acenaphthene-d10	10.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\
Data File : BF077882.D
Acq On : 21 Mar 2015 1:11
Operator : TP/IZ
Sample : G1589-01
Misc : W
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-1

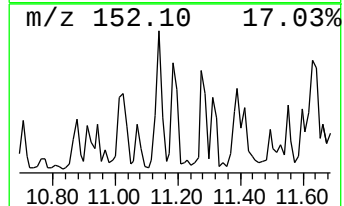
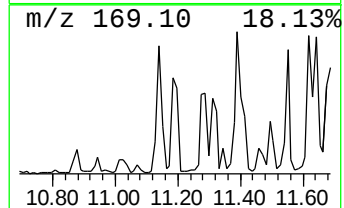
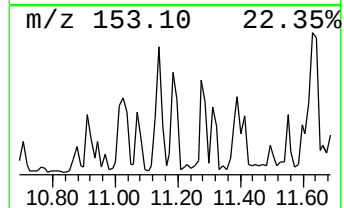
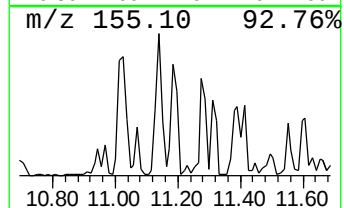
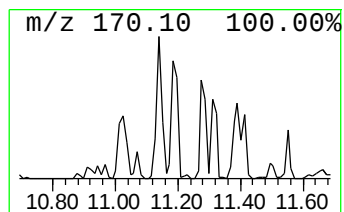
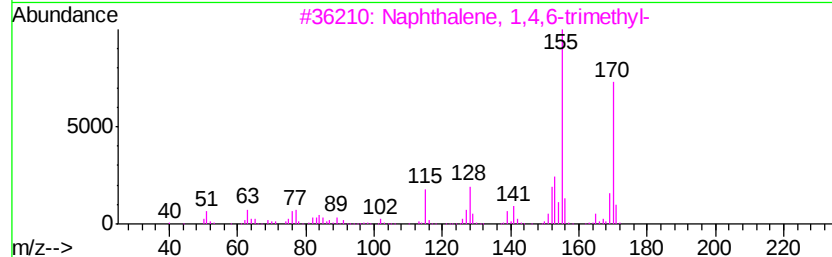
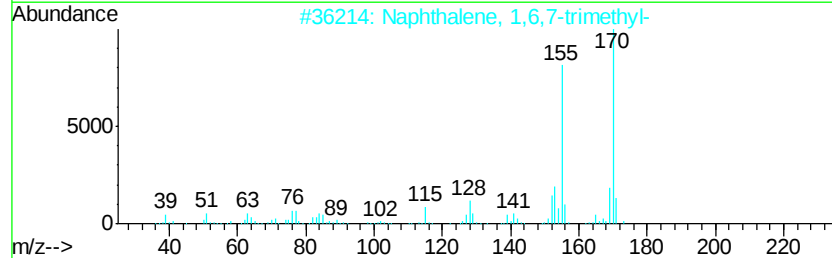
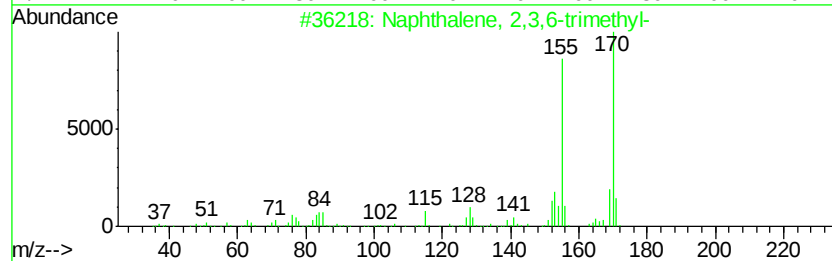
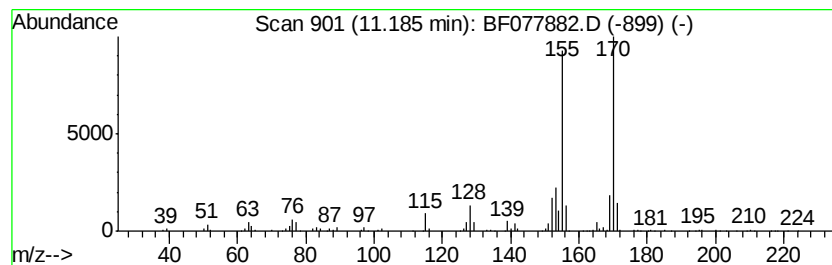
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 1,6,7-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	32.41 ng	1234470	Acenaphthene-d10	10.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\
Data File : BF077882.D
Acq On : 21 Mar 2015 1:11
Operator : TP/IZ
Sample : G1589-01
Misc : W
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
MW-1

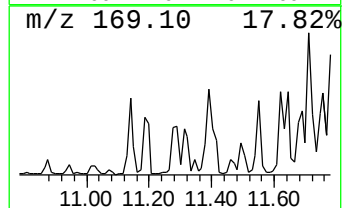
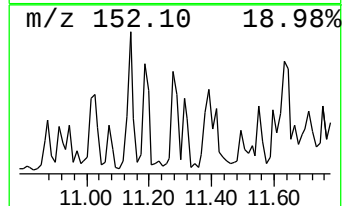
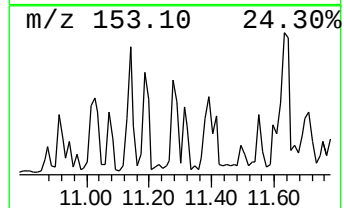
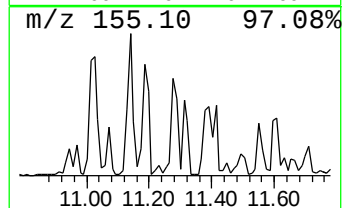
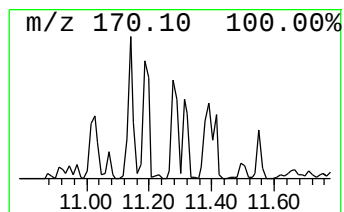
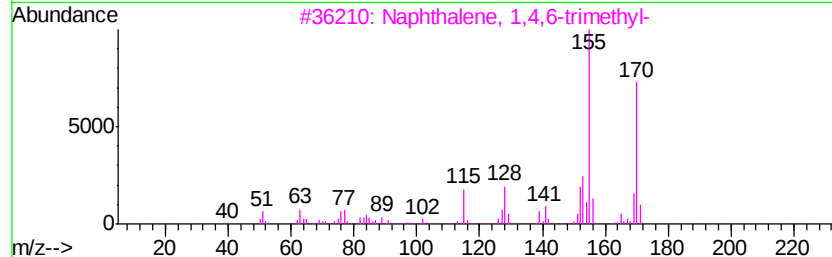
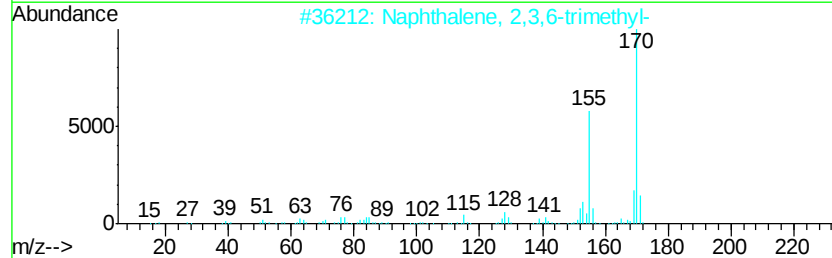
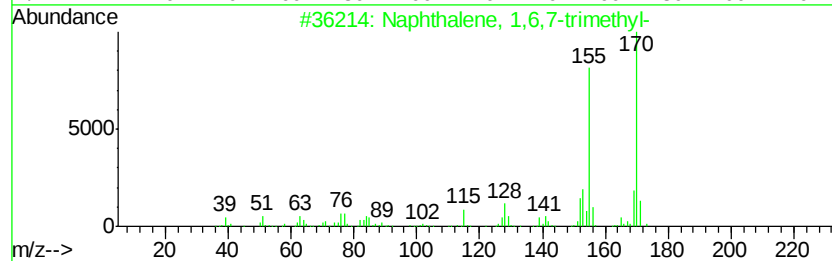
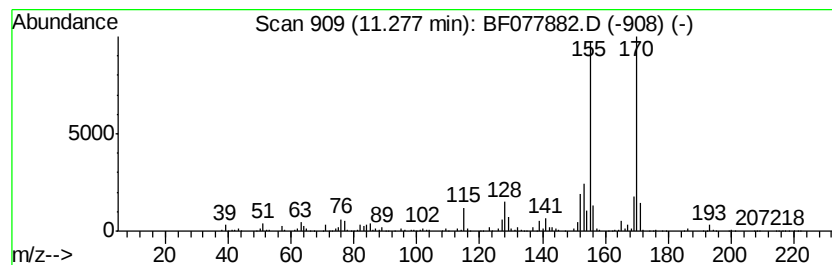
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 1,4,5-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	26.16 ng	996423	Acenaphthene-d10	10.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
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		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
5		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\
Data File : BF077882.D
Acq On : 21 Mar 2015 1:11
Operator : TP/IZ
Sample : G1589-01
Misc : W
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-1

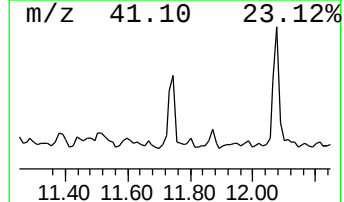
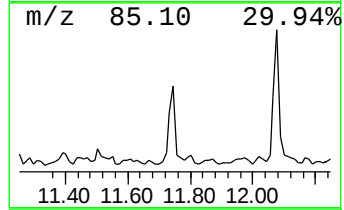
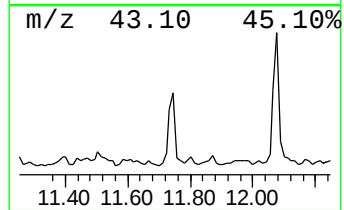
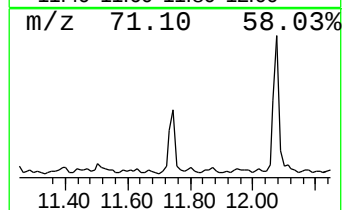
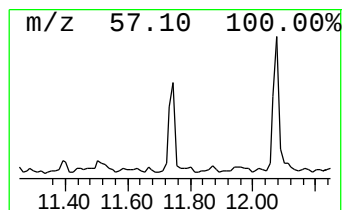
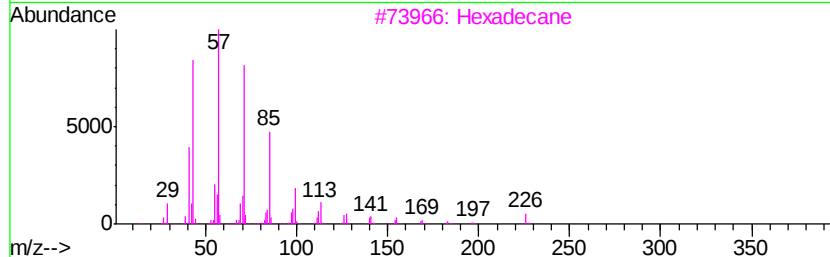
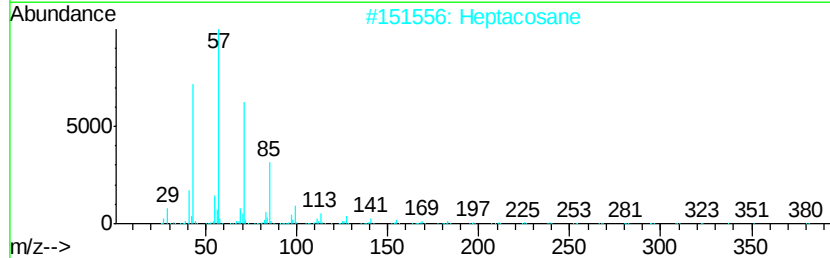
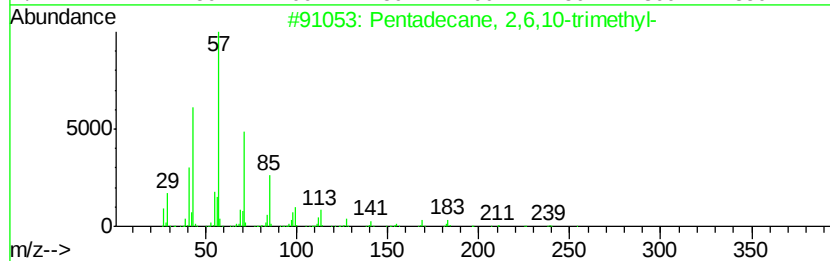
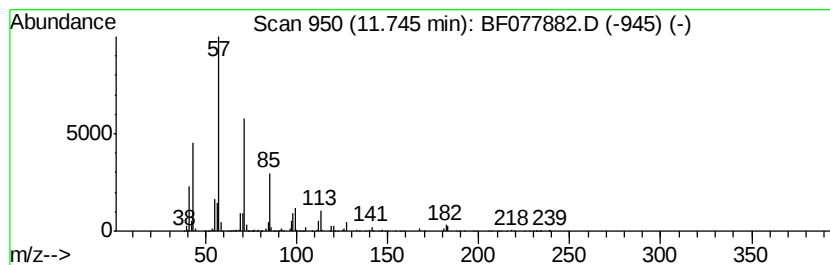
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pentadecane, 2,6,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	54.27 ng	2067250	Acenaphthene-d10	10.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	90
2		Heptacosane	380	C27H56	000593-49-7	86
3		Hexadecane	226	C16H34	000544-76-3	80
4		2-Bromo dodecane	248	C12H25Br	013187-99-0	78
5		Eicosane	282	C20H42	000112-95-8	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032015\
Data File : BF077882.D
Acq On : 21 Mar 2015 1:11
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Sample : G1589-01
Misc : W
ALS Vial : 18 Sample Multiplier: 1

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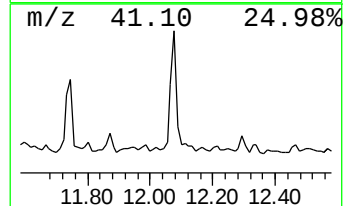
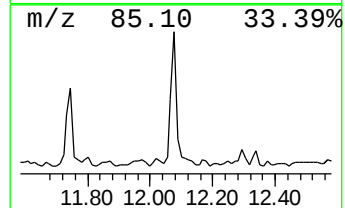
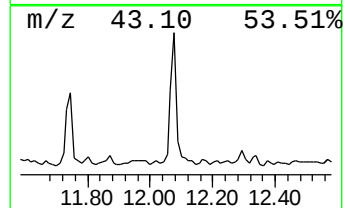
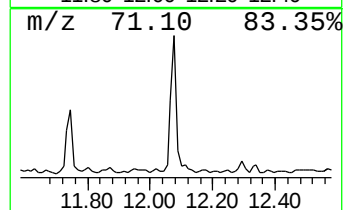
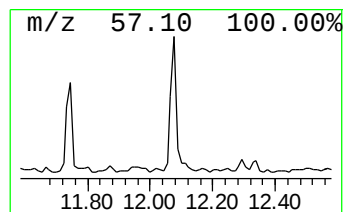
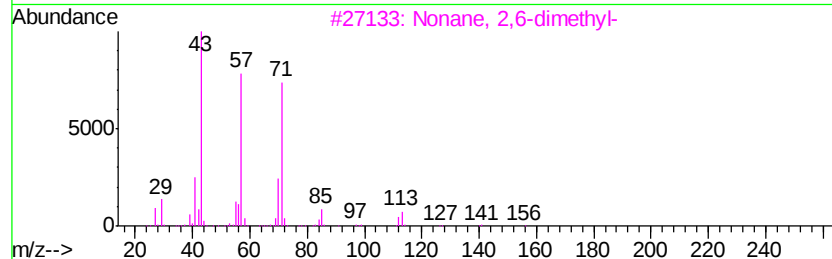
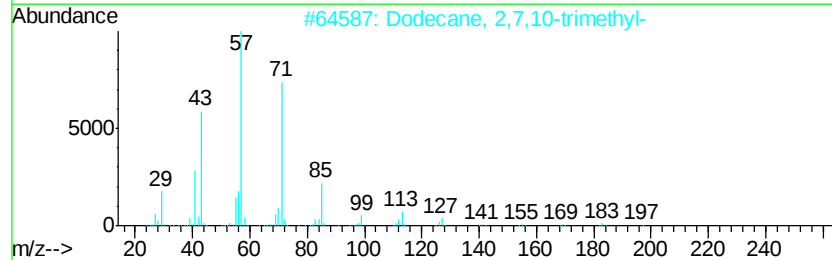
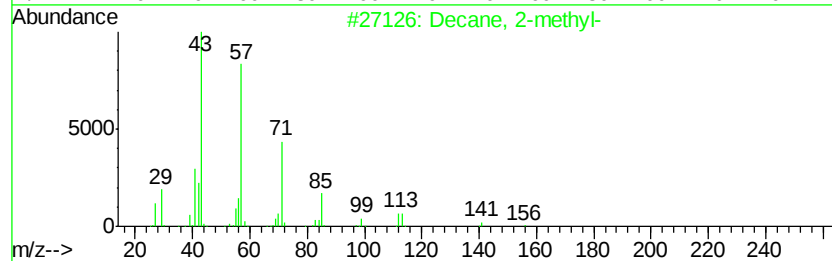
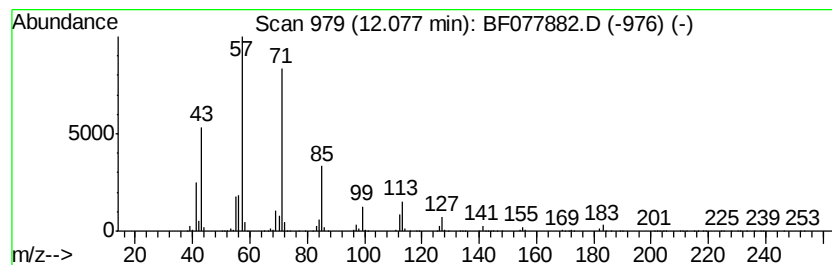
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Decane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	116.86 ng	2859360	Phenanthrene-d10	12.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2-methyl-	156	C11H24	006975-98-0	86
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	78
3		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	72
4		Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	72
5		Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\
Data File : BF077882.D
Acq On : 21 Mar 2015 1:11
Operator : TP/IZ
Sample : G1589-01
Misc : W
ALS Vial : 18 Sample Multiplier: 1

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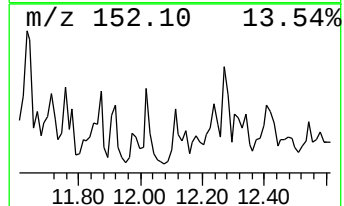
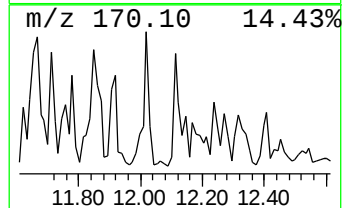
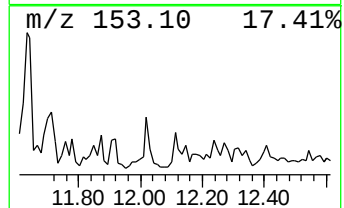
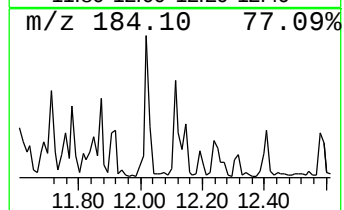
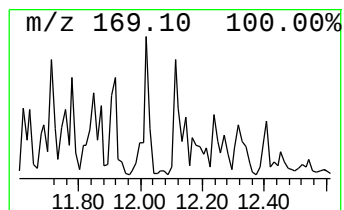
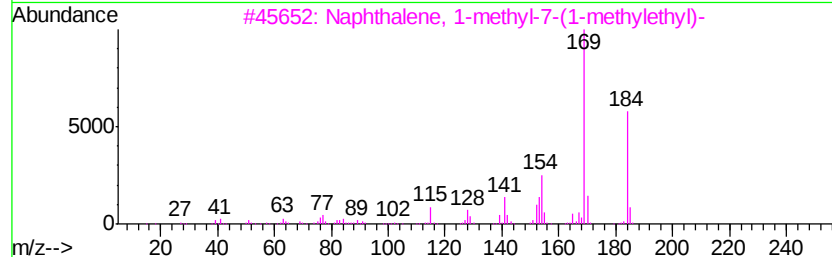
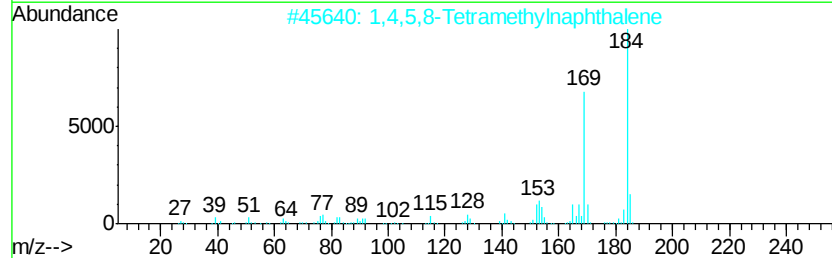
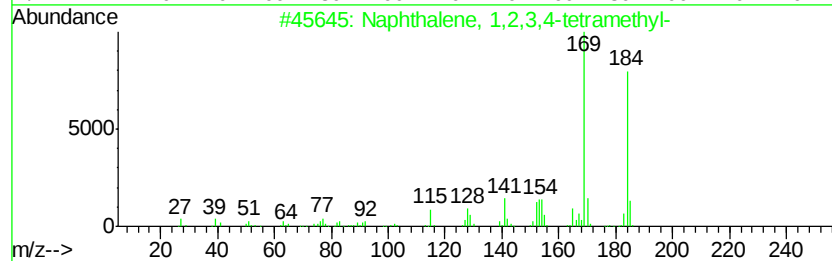
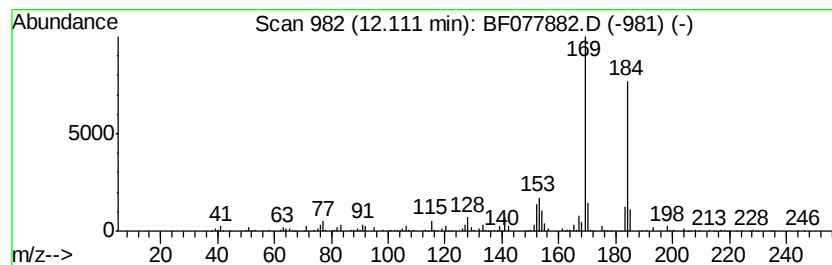
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 1,2,3,4-tetram... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	26.02 ng	636632	Phenanthrene-d10	12.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	94
2		1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	90
3		Naphthalene, 1-methyl-7-(1-methyl-...	184	C14H16	000490-65-3	90
4		Phenol, 3,4,5-trimethoxy-	184	C9H12O4	000642-71-7	80
5		Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032015\
Data File : BF077882.D
Acq On : 21 Mar 2015 1:11
Operator : TP/IZ
Sample : G1589-01
Misc : W
ALS Vial : 18 Sample Multiplier: 1

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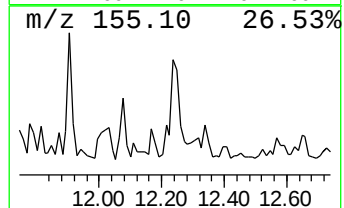
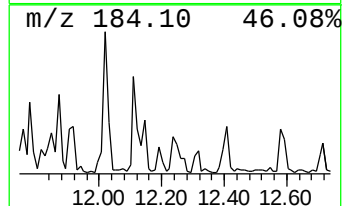
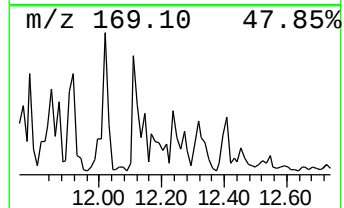
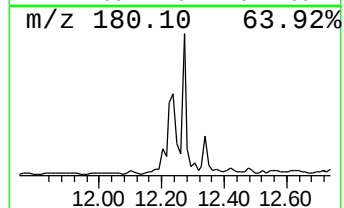
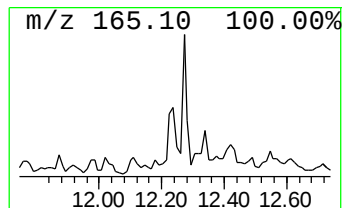
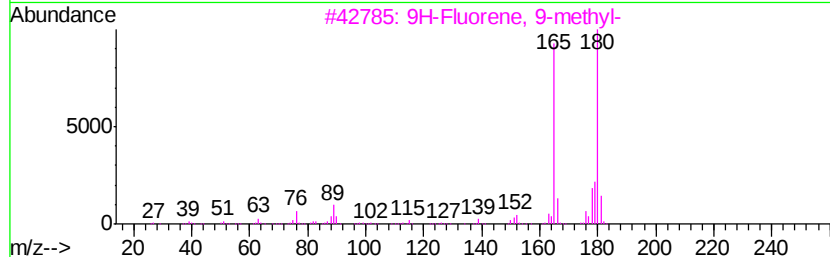
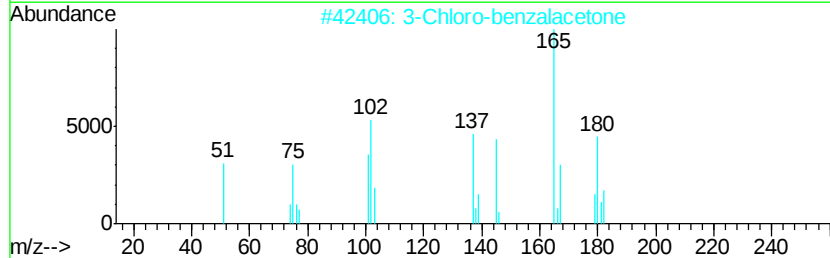
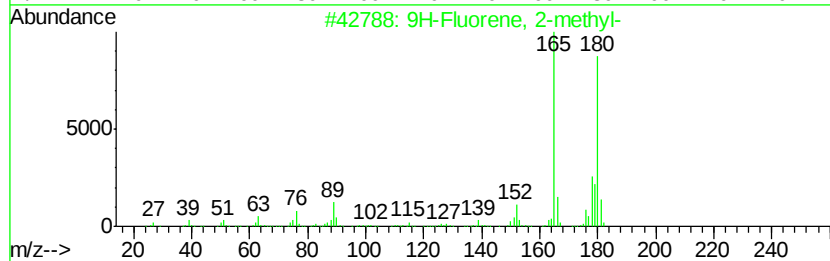
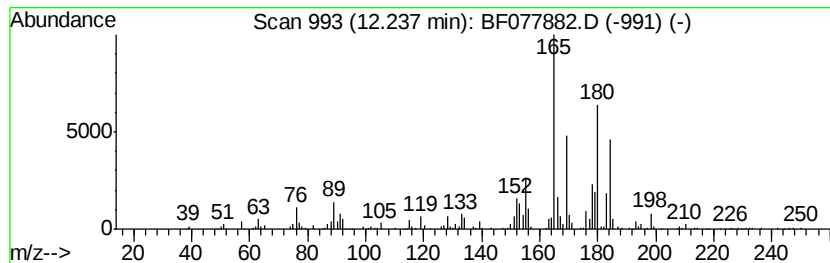
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	26.39 ng	645611	Phenanthrene-d10	12.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	60
2		3-Chloro-benzalacetone	180	C10H9ClO	1000146-90-5	46
3		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	46
4		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	46
5		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\
Data File : BF077882.D
Acq On : 21 Mar 2015 1:11
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Sample : G1589-01
Misc : W
ALS Vial : 18 Sample Multiplier: 1

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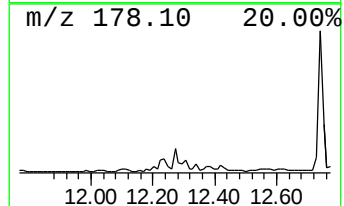
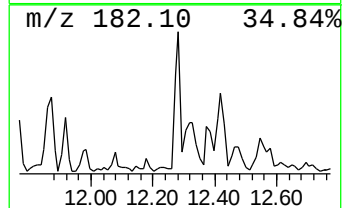
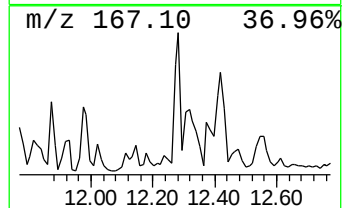
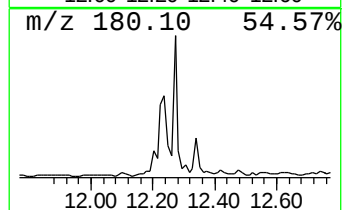
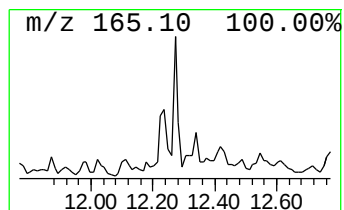
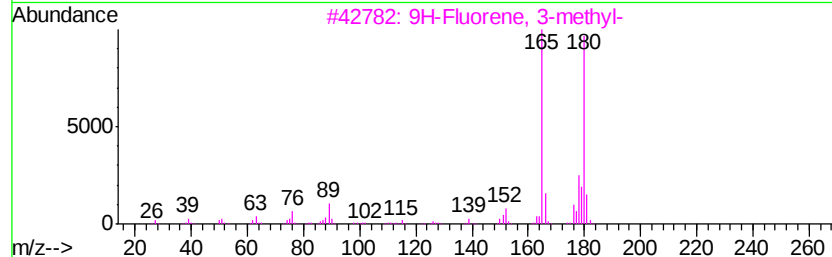
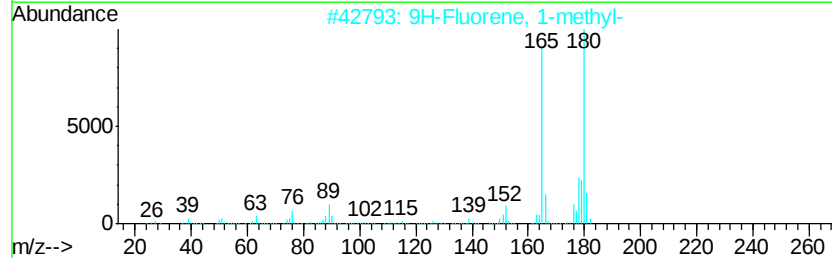
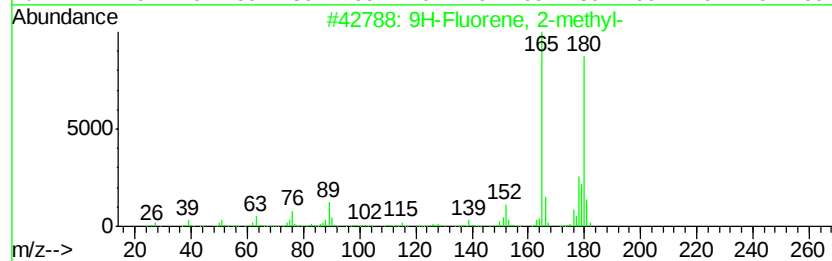
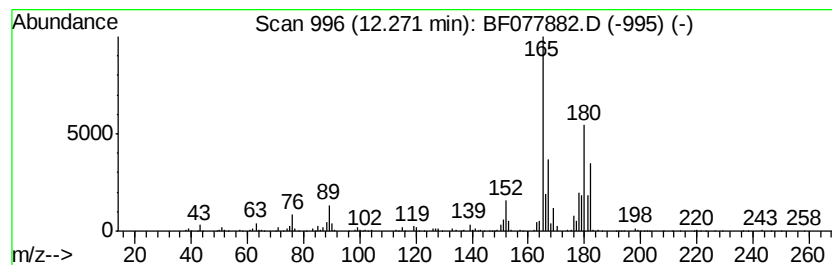
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 9H-Fluorene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	33.61 ng	822372	Phenanthrene-d10	12.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	70
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	64
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	62
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	60
5		3-Chloro-benzalacetone	180	C10H9ClO	1000146-90-5	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032015\
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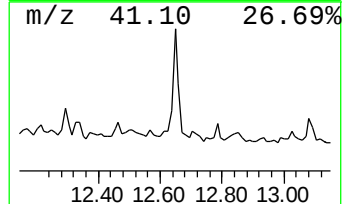
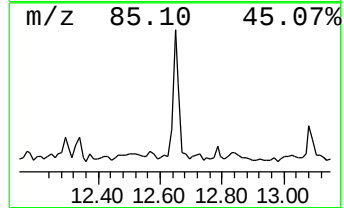
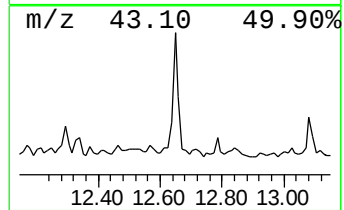
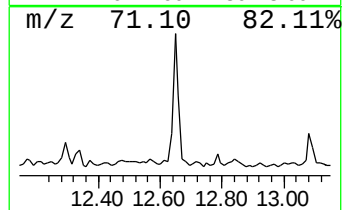
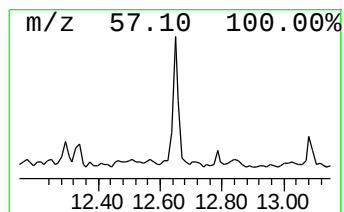
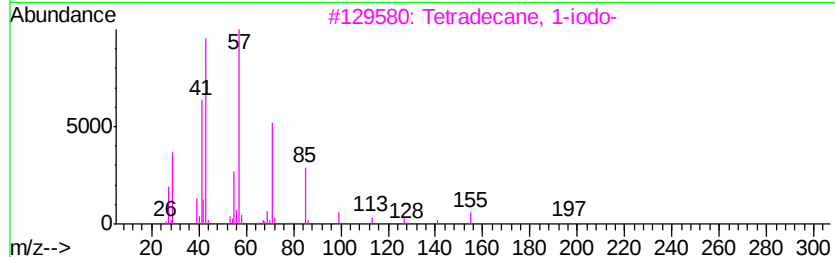
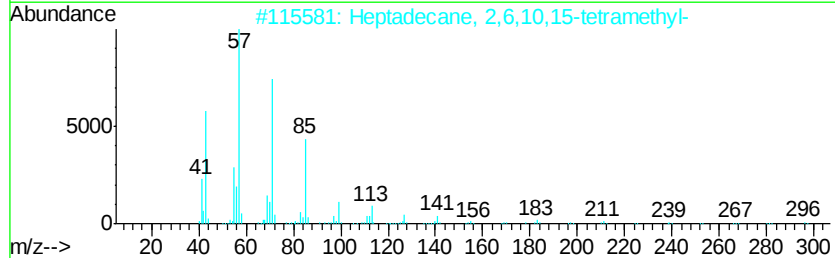
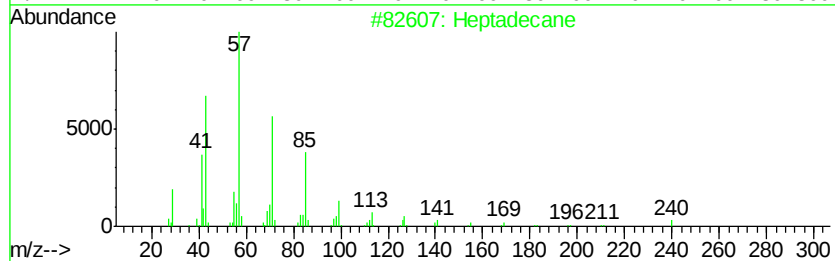
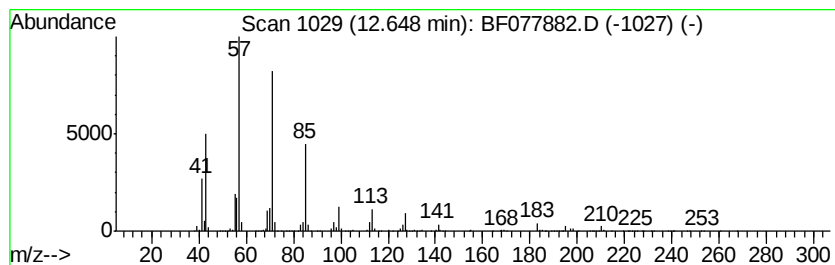
Instrument :
BNA_F
ClientSampleId :
MW-1

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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 Heptadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	63.95 ng	1564760	Phenanthrene-d10	12.72
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heptadecane	240 C17H36	000629-78-7	90
2	Heptadecane, 2,6,10,15-tetramethyl-	296 C21H44	054833-48-6	86
3	Tetradecane, 1-iodo-	324 C14H29I	019218-94-1	83
4	Tritetracontane	605 C43H88	007098-21-7	83
5	Dodecane, 2,7,10-trimethyl-	212 C15H32	074645-98-0	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\
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Acq On : 21 Mar 2015 1:11
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Misc : W
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MW-1

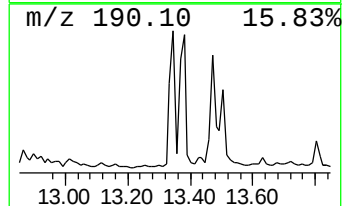
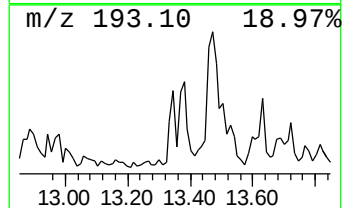
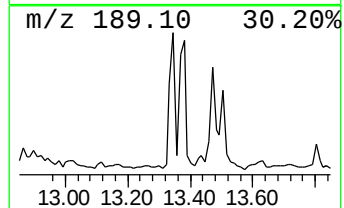
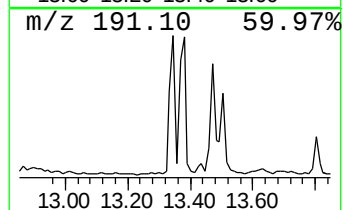
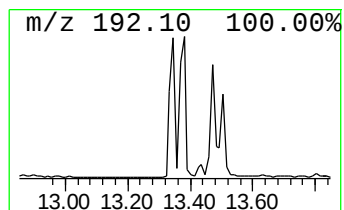
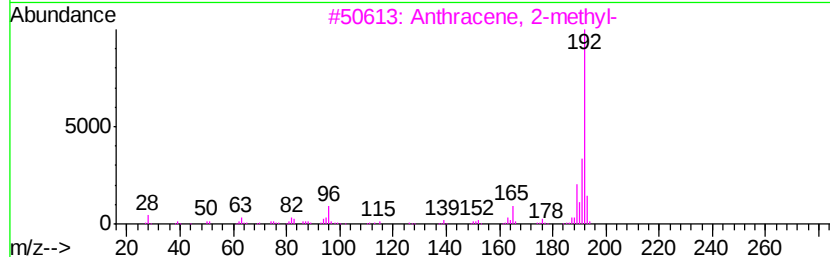
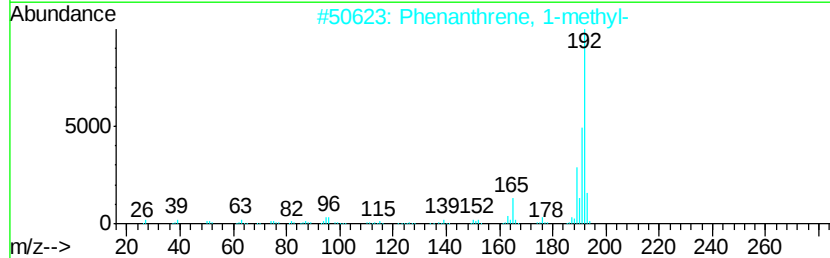
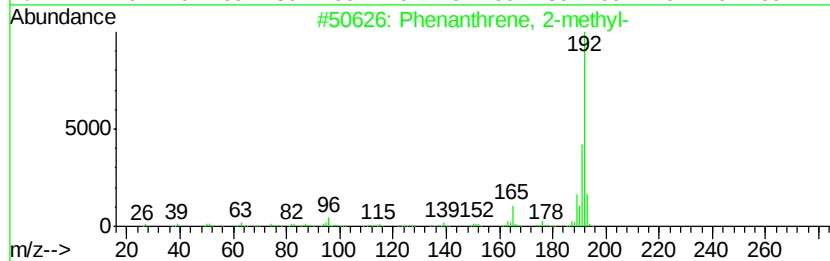
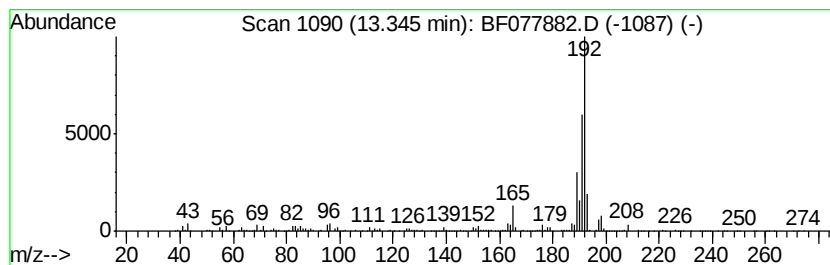
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	26.88 ng	657623	Phenanthrene-d10	12.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\
Data File : BF077882.D
Acq On : 21 Mar 2015 1:11
Operator : TP/IZ
Sample : G1589-01
Misc : W
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-1

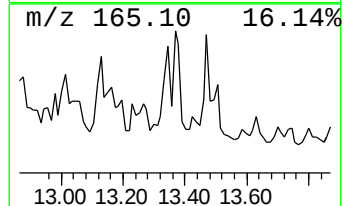
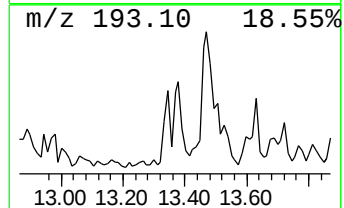
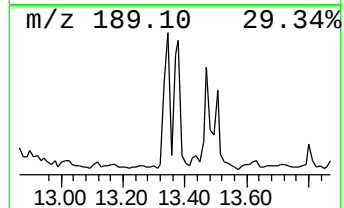
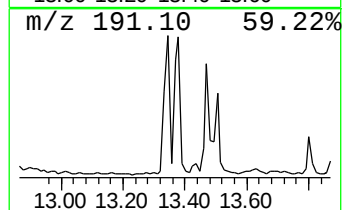
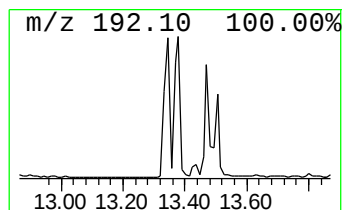
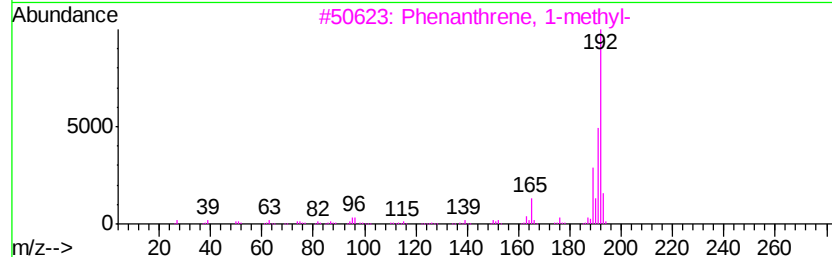
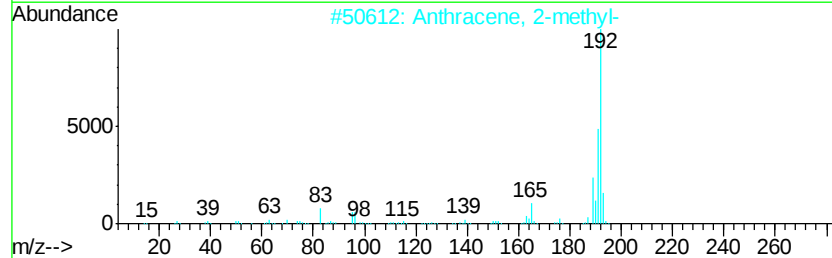
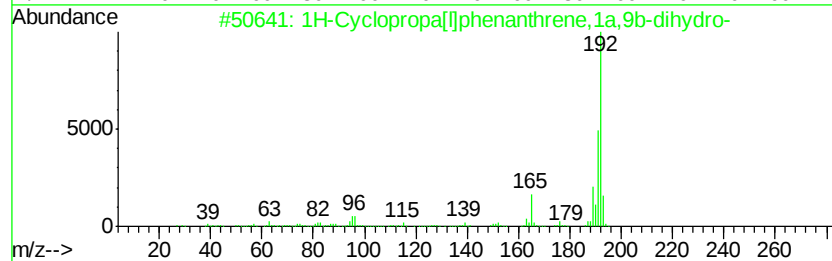
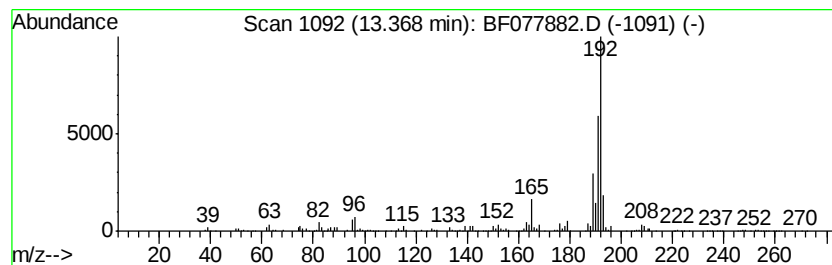
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	28.22 ng	690461	Phenanthrene-d10	12.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	97
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032015\
 Data File : BF077882.D
 Acq On : 21 Mar 2015 1:11
 Operator : TP/IZ
 Sample : G1589-01
 Misc : W
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.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
unknown6.84	6.84	55.9	ng	810560	1	7.13	290241	20.0
Benzene, 1-methyl...	7.62	28.2	ng	409369	1	7.13	290241	20.0
Cyclohexane, (4-m...	9.86	38.6	ng	1471980	3	10.88	761835	20.0
Naphthalene, 2,7-...	10.37	48.3	ng	1837810	3	10.88	761835	20.0
Naphthalene, 2,3-...	10.47	52.5	ng	2000720	3	10.88	761835	20.0
Naphthalene, 2,6-...	10.50	55.9	ng	2130240	3	10.88	761835	20.0
Naphthalene, 2,3,...	11.03	33.8	ng	1285960	3	10.88	761835	20.0
Naphthalene, 1,4,...	11.14	45.8	ng	1743070	3	10.88	761835	20.0
Naphthalene, 1,6,...	11.19	32.4	ng	1234470	3	10.88	761835	20.0
Naphthalene, 1,4,...	11.28	26.2	ng	996423	3	10.88	761835	20.0
Pentadecane, 2,6,...	11.75	54.3	ng	2067250	3	10.88	761835	20.0
Decane, 2-methyl-	12.08	116.9	ng	2859360	4	12.72	489358	20.0
Naphthalene, 1,2,...	12.11	26.0	ng	636632	4	12.72	489358	20.0
9H-Fluorene, 2-me...	12.24	26.4	ng	645611	4	12.72	489358	20.0
9H-Fluorene, 1-me...	12.27	33.6	ng	822372	4	12.72	489358	20.0
Heptadecane	12.65	64.0	ng	1564760	4	12.72	489358	20.0
Phenanthrene, 2-m...	13.35	26.9	ng	657623	4	12.72	489358	20.0
1H-Cyclopropa[1]p...	13.37	28.2	ng	690461	4	12.72	489358	20.0