

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
 Data File : BF077553.D
 Acq On : 3 Mar 2015 18:48
 Operator : TP/IZ
 Sample : G1401-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-06-2-27-15

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: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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	1.527	52	56	59	rVB	313706	472545	24.63%	1.565%
2	1.698	68	71	74	rBV	265809	313499	16.34%	1.039%
3	1.836	81	83	91	rVB	87808	158935	8.28%	0.526%
4	5.013	359	361	365	rVB	82138	94517	4.93%	0.313%
5	5.527	404	406	409	rBV	693279	691378	36.03%	2.290%
6	6.213	459	466	468	rBV	32709	50425	2.63%	0.167%
7	6.567	495	497	500	rVB	33138	37910	1.98%	0.126%
8	6.796	515	517	521	rVV	509672	473084	24.66%	1.567%
9	6.945	528	530	533	rVB	1555052	1434261	74.75%	4.751%
10	7.185	546	551	553	rBV2	42959	74029	3.86%	0.245%
11	7.230	553	555	557	rVV	253299	315379	16.44%	1.045%
12	7.425	569	572	574	rBV	1418590	1428493	74.45%	4.732%
13	7.550	581	583	585	rVB	63731	59652	3.11%	0.198%
14	7.642	589	591	592	rBV2	38558	57917	3.02%	0.192%
15	7.870	607	611	612	rBV2	24469	37369	1.95%	0.124%
16	7.928	614	616	619	rVV	1328926	1288588	67.16%	4.269%
17	8.042	623	626	628	rVB3	49105	65860	3.43%	0.218%
18	8.088	628	630	632	rBV	46480	54139	2.82%	0.179%
19	8.191	637	639	641	rVB	241768	218939	11.41%	0.725%
20	8.225	641	642	646	rVB2	54583	78835	4.11%	0.261%
21	8.293	646	648	650	rBV3	24189	46125	2.40%	0.153%
22	8.362	650	654	655	rBV3	42729	102116	5.32%	0.338%
23	8.419	655	659	664	rVB4	78118	199353	10.39%	0.660%
24	8.499	664	666	668	rBV2	196491	250941	13.08%	0.831%
25	8.545	668	670	672	rVB2	59690	55799	2.91%	0.185%
26	8.591	672	674	675	rBV2	26911	35370	1.84%	0.117%
27	8.613	675	676	678	rVB2	42755	41774	2.18%	0.138%
28	8.671	678	681	683	rBV	63242	85120	4.44%	0.282%
29	8.716	683	685	686	rBV	34451	34959	1.82%	0.116%
30	8.739	686	687	688	rBV	43397	36796	1.92%	0.122%
31	8.808	691	693	695	rVB	494050	591826	30.85%	1.960%
32	8.853	695	697	698	rBV	132399	151163	7.88%	0.501%
33	8.876	698	699	702	rVB	94779	116569	6.08%	0.386%
34	8.922	702	703	707	rVB2	75610	134658	7.02%	0.446%

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35	8.991	707	709	710	rVB2	39353	45417	2.37%	0.150%
36	9.013	710	711	713	rBV	38002	43327	2.26%	0.144%
37	9.059	713	715	719	rBV2	62196	116688	6.08%	0.387%
38	9.128	719	721	722	rBV	55377	63141	3.29%	0.209%
39	9.151	722	723	729	rBV4	56431	155852	8.12%	0.516%
40	9.231	729	730	732	rBV2	49856	50292	2.62%	0.167%
41	9.299	732	736	739	rBV	144901	176666	9.21%	0.585%
42	9.402	740	745	747	rBV2	443656	611595	31.88%	2.026%
43	9.471	750	751	754	rVV3	33373	51926	2.71%	0.172%
44	9.516	754	755	757	rVV	80403	91235	4.76%	0.302%
45	9.551	757	758	760	rVV	142503	114263	5.96%	0.379%
46	9.596	760	762	764	rVV2	37948	82695	4.31%	0.274%
47	9.642	764	766	768	rVB	238547	226773	11.82%	0.751%
48	9.688	768	770	773	rBV3	55480	102232	5.33%	0.339%
49	9.825	778	782	784	rBV	922504	1170662	61.01%	3.878%
50	9.962	792	794	796	rVB2	60438	52163	2.72%	0.173%
51	9.996	796	797	800	rVB2	59186	78839	4.11%	0.261%
52	10.054	800	802	805	rBV4	76846	137974	7.19%	0.457%
53	10.122	805	808	809	rBV3	113523	164260	8.56%	0.544%
54	10.168	809	812	813	rVB	1462460	1819832	94.85%	6.028%
55	10.282	819	822	823	rBV2	38372	73310	3.82%	0.243%
56	10.339	825	827	828	rVV	121326	136372	7.11%	0.452%
57	10.408	830	833	836	rVB2	136649	309599	16.14%	1.026%
58	10.476	836	839	842	rBV	403023	639306	33.32%	2.118%
59	10.568	842	847	849	rBV	548100	995301	51.87%	3.297%
60	10.602	849	850	854	rVV2	391585	567061	29.55%	1.878%
61	10.694	854	858	859	rVV2	139032	322438	16.81%	1.068%
62	10.716	859	860	863	rVB	310526	343831	17.92%	1.139%
63	10.819	867	869	872	rVB	316329	293318	15.29%	0.972%
64	10.877	872	874	876	rBV3	58289	102047	5.32%	0.338%
65	10.991	881	884	886	rBV	482762	629132	32.79%	2.084%
66	11.128	894	896	899	rVB	161525	285194	14.86%	0.945%
67	11.185	899	901	904	rBV2	88766	131105	6.83%	0.434%
68	11.254	904	907	909	rBV3	213095	314830	16.41%	1.043%
69	11.299	909	911	912	rBV	196446	159759	8.33%	0.529%
70	11.357	912	916	917	rBV3	252261	450590	23.48%	1.493%
71	11.391	917	919	921	rVB2	186832	238805	12.45%	0.791%

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72	11.505	926	929	930	rBV	97549	176428	9.20%	0.584%
73	11.528	930	931	933	rVB2	136421	123567	6.44%	0.409%
74	11.631	935	940	942	rVB5	114408	317579	16.55%	1.052%
75	11.665	942	943	945	rVB	169610	156378	8.15%	0.518%
76	11.711	945	947	948	rBV2	102341	133850	6.98%	0.443%
77	11.757	948	951	952	rBV	205562	251923	13.13%	0.835%
78	11.848	957	959	962	rVV3	124137	239222	12.47%	0.792%
79	11.894	962	963	964	rVV	179530	139030	7.25%	0.461%
80	11.939	964	967	969	rVV	894731	1918702	100.00%	6.356%
81	11.974	969	970	973	rVB	1214415	1047214	54.58%	3.469%
82	12.019	973	974	975	rBV	67256	86804	4.52%	0.288%
83	12.099	979	981	982	rBV2	52307	84578	4.41%	0.280%
84	12.134	982	984	987	rVV2	94380	142803	7.44%	0.473%
85	12.179	987	988	990	rVB	156823	145773	7.60%	0.483%
86	12.225	990	992	994	rBV3	66992	106969	5.58%	0.354%
87	12.397	1005	1007	1008	rBV	78572	110809	5.78%	0.367%
88	12.762	1037	1039	1040	rBV	67593	73846	3.85%	0.245%
89	12.797	1040	1042	1044	rBV	163716	283728	14.79%	0.940%
90	12.831	1044	1045	1047	rVB	412021	354348	18.47%	1.174%
91	12.980	1057	1058	1060	rVB2	88844	83935	4.37%	0.278%
92	13.562	1107	1109	1110	rBV2	142149	156678	8.17%	0.519%
93	14.145	1158	1160	1162	rBV2	67090	96284	5.02%	0.319%
94	14.420	1182	1184	1189	rVB	81282	124386	6.48%	0.412%
95	14.831	1217	1220	1222	rVB	1957752	1858521	96.86%	6.157%
96	16.008	1321	1323	1331	rBV	106250	129327	6.74%	0.428%
97	16.134	1331	1334	1336	rVB	426341	519720	27.09%	1.722%
98	17.334	1436	1439	1443	rVB	44627	79814	4.16%	0.264%
99	17.917	1487	1490	1493	rVB	446711	575200	29.98%	1.905%
100	19.472	1624	1626	1627	rBV2	18586	33938	1.77%	0.112%

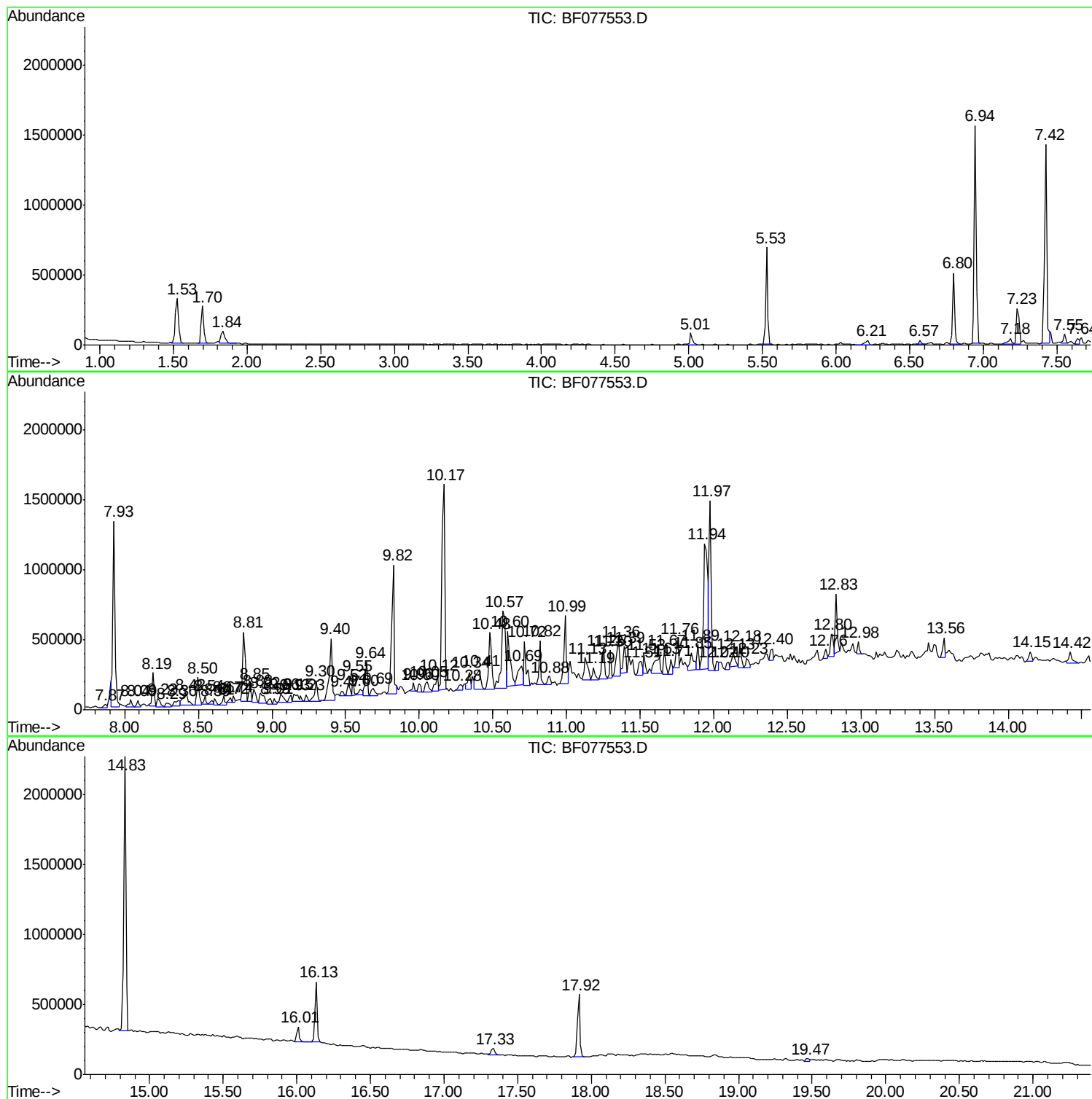
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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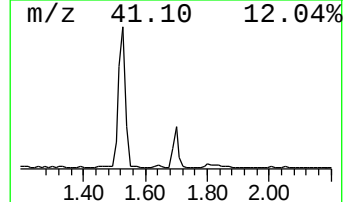
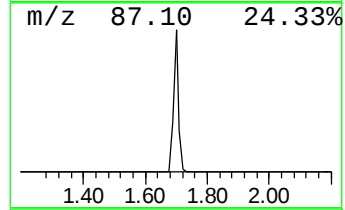
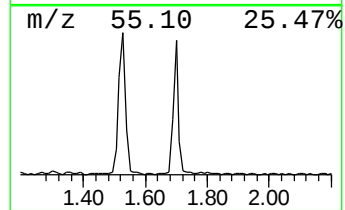
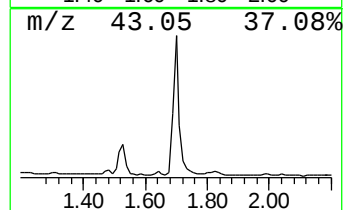
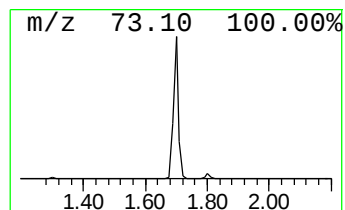
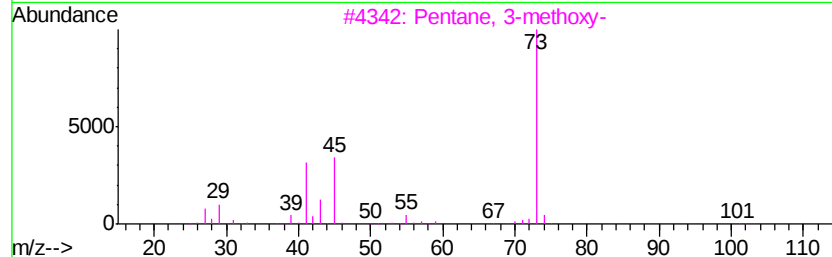
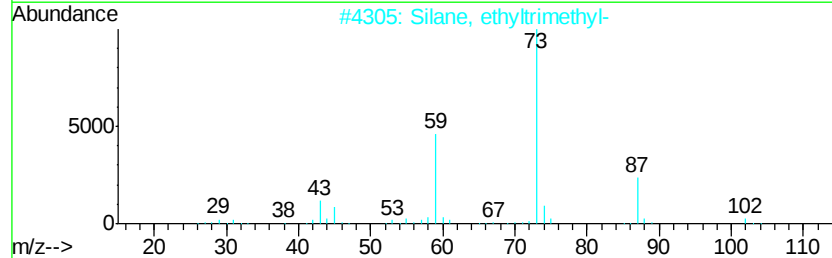
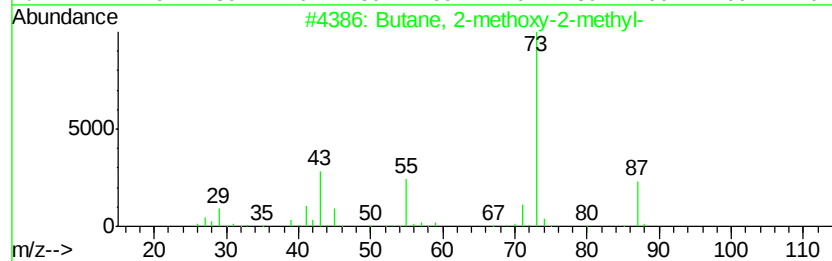
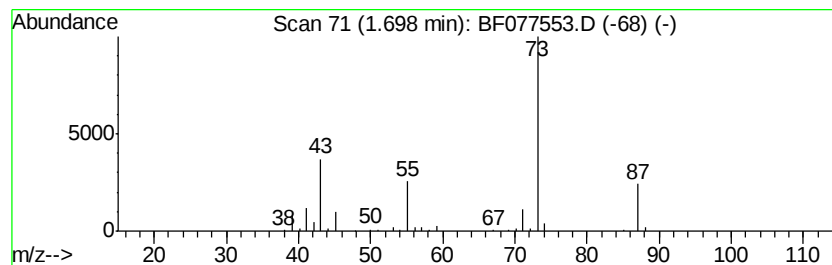
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.70	19.88 ng	313499	1,4-Dichlorobenzene-d4	7.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2		Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	36
3		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4		Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12
5		Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9



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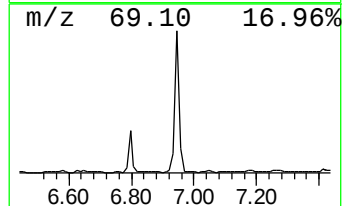
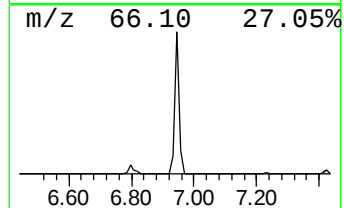
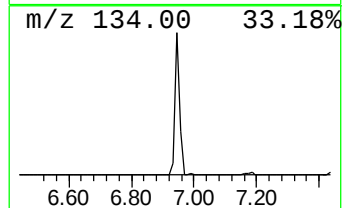
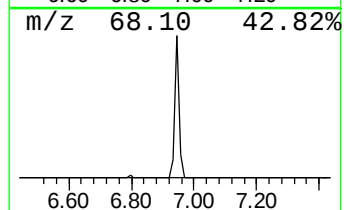
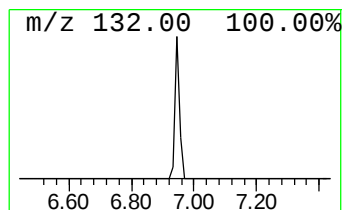
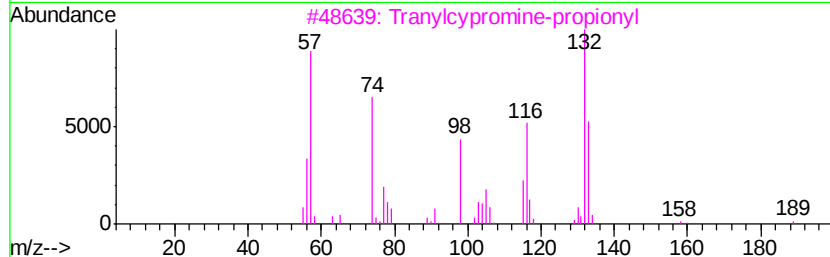
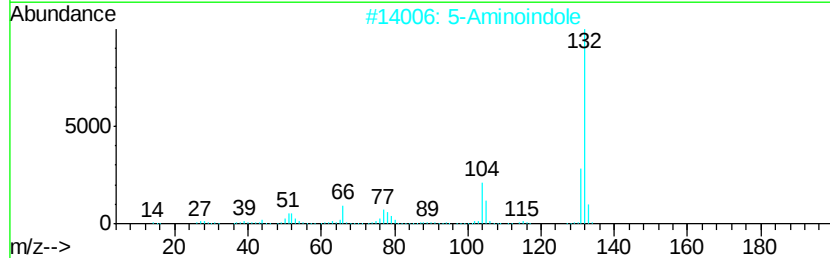
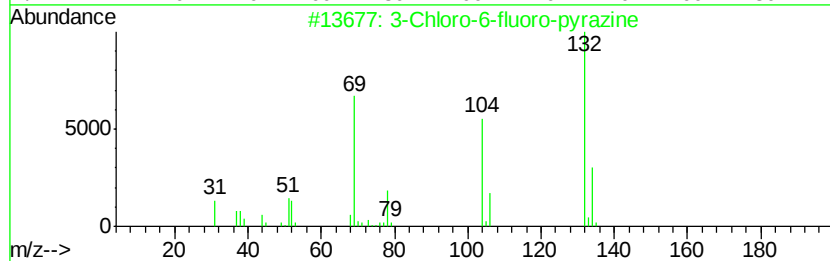
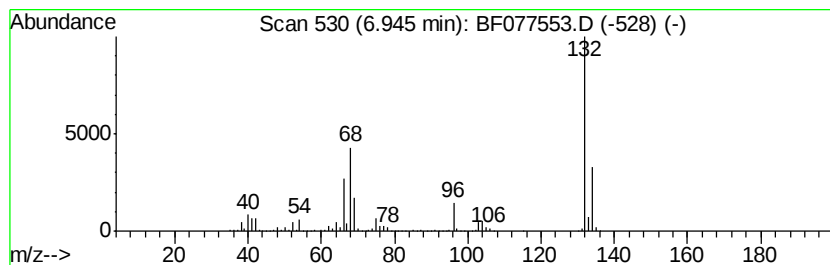
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown6.94 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.94	90.95 ng	1434260	1,4-Dichlorobenzene-d4	7.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Aminoindole	132	C8H8N2	005192-03-0	12
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	10
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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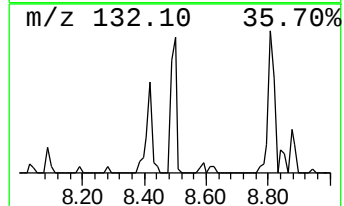
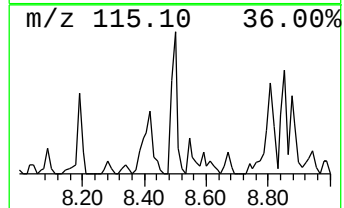
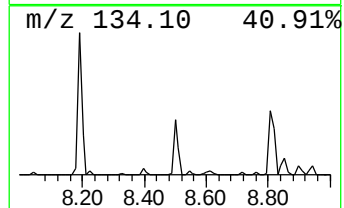
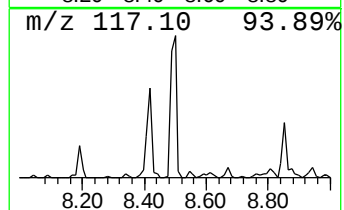
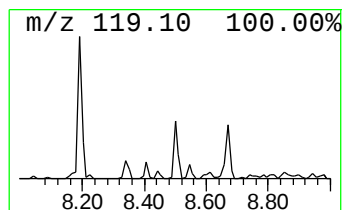
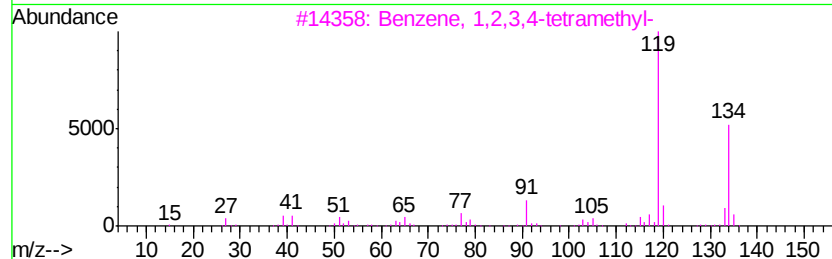
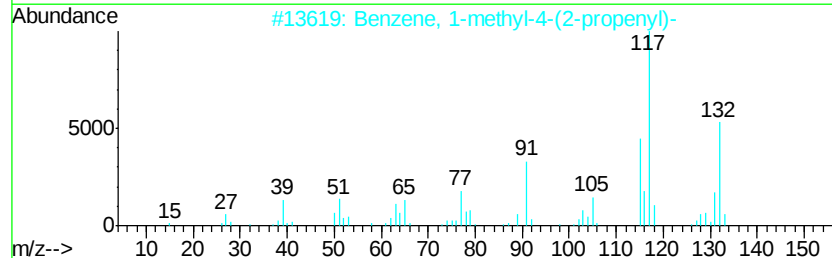
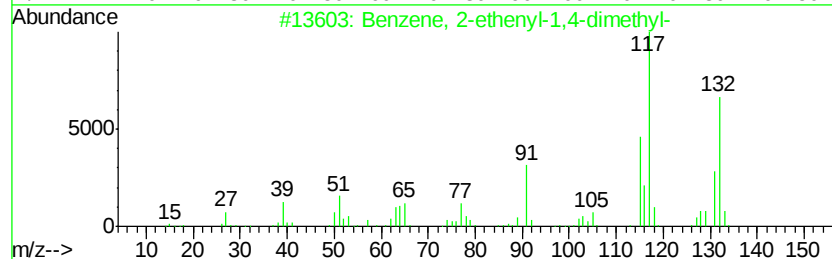
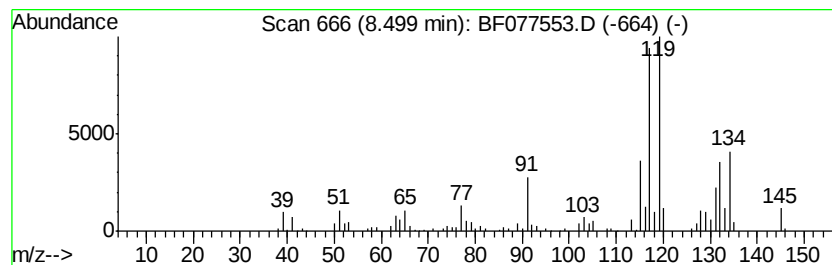
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	8.48 ng	250941	Naphthalene-d8	8.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	60
2		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	55
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	50
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	46
5		Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077553.D
Acq On : 3 Mar 2015 18:48
Operator : TP/IZ
Sample : G1401-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-06-2-27-15

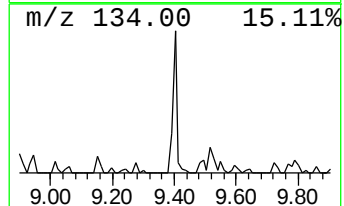
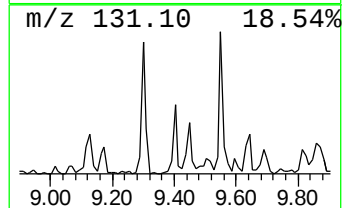
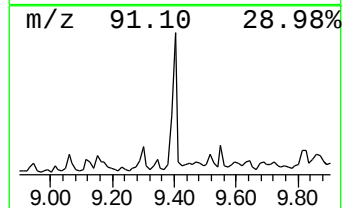
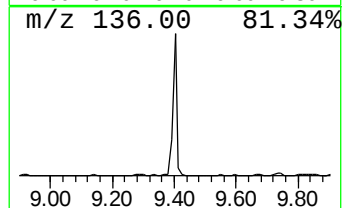
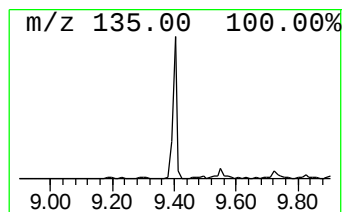
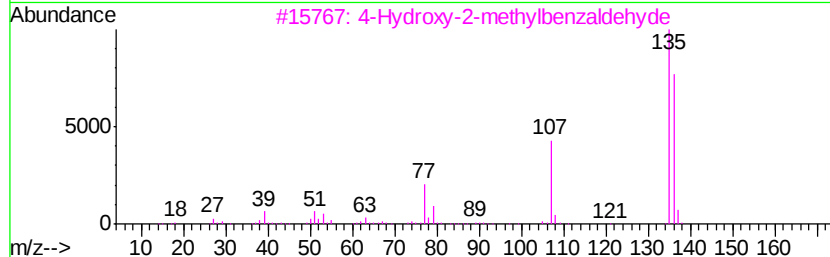
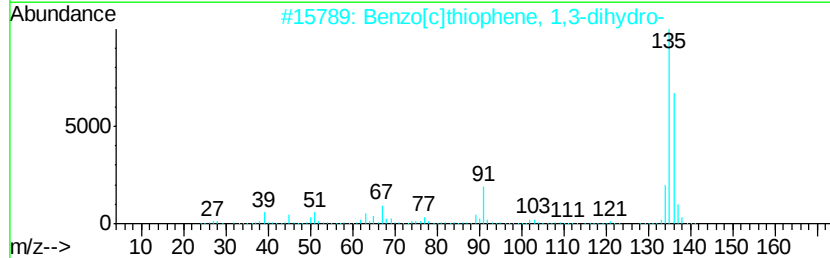
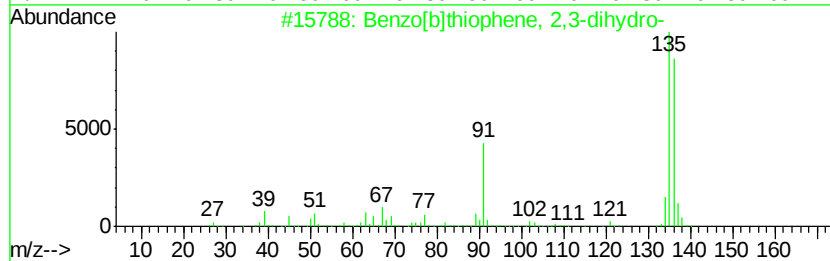
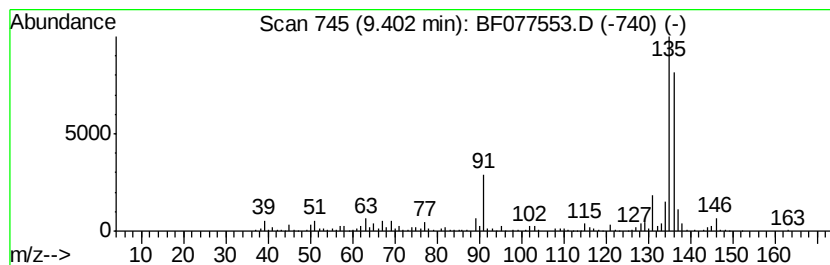
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzo[b]thiophene, 2,3-dihy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	20.67 ng	611595	Napthalene-d8	8.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	87
2		Benzo[c]thiophene, 1,3-dihydro-	136	C8H8S	002471-92-3	74
3		4-Hydroxy-2-methylbenzaldehyde	136	C8H8O2	041438-18-0	64
4		Benzene, (ethenylthio)-	136	C8H8S	001822-73-7	64
5		4-Hydroxy-3-methylbenzaldehyde	136	C8H8O2	015174-69-3	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077553.D
Acq On : 3 Mar 2015 18:48
Operator : TP/IZ
Sample : G1401-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-06-2-27-15

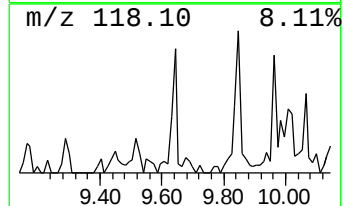
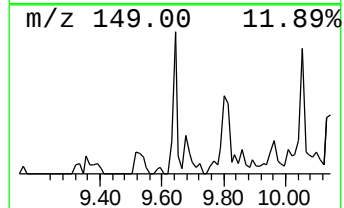
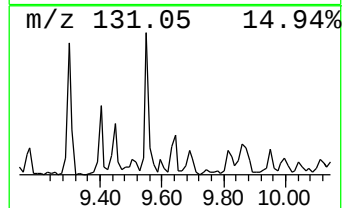
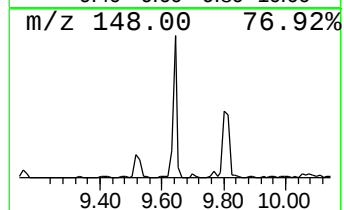
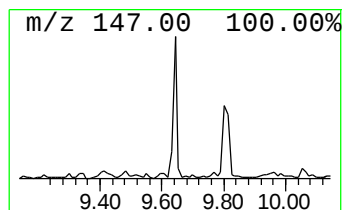
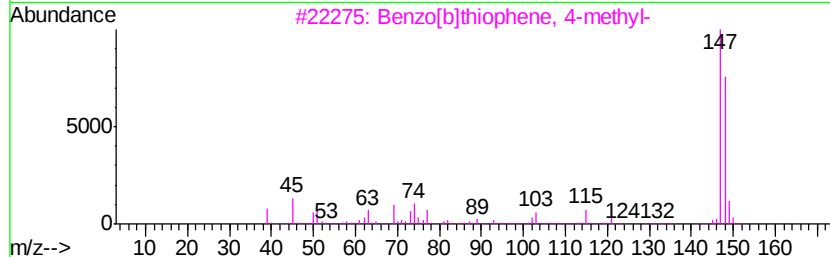
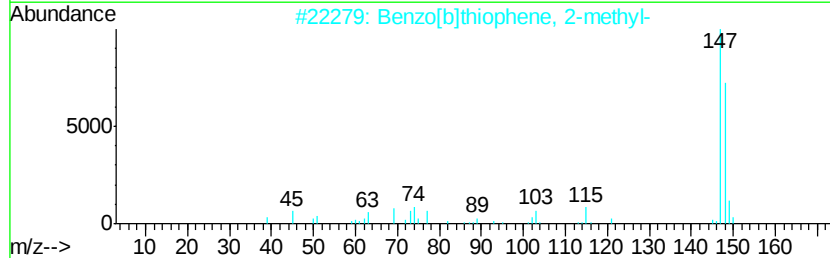
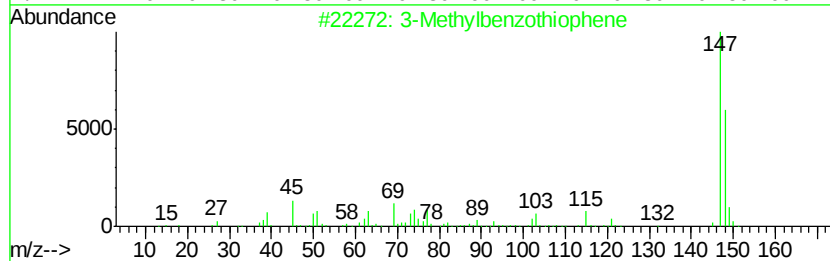
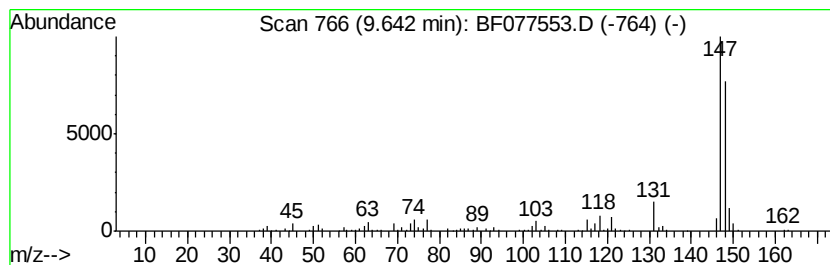
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 3-Methylbenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	7.66 ng	226773	Napthalene-d8	8.81

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Methylbenzothiophene	148	C9H8S	001455-18-1	87
2		Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	87
3		Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	83
4		Pyridine, 4-(1-pyrrolidinyl)-	148	C9H12N2	002456-81-7	72
5		Pyrrole-3-carbonitrile, 5-formyl...	148	C8H8N2O	032487-71-1	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077553.D
Acq On : 3 Mar 2015 18:48
Operator : TP/IZ
Sample : G1401-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MW-06-2-27-15

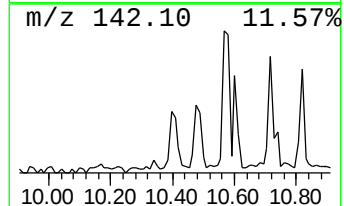
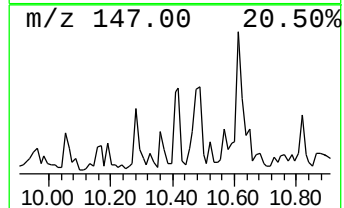
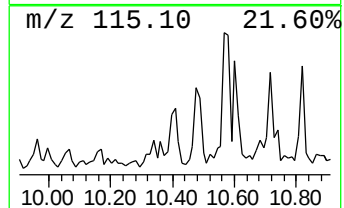
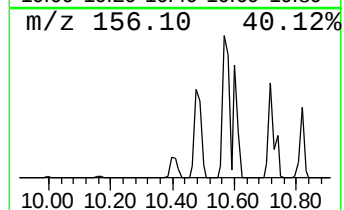
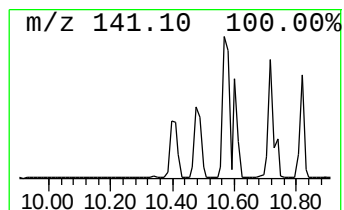
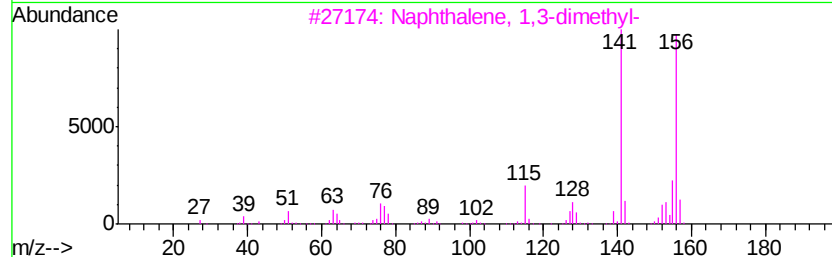
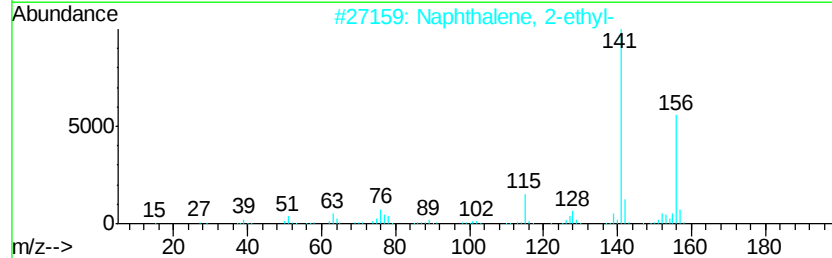
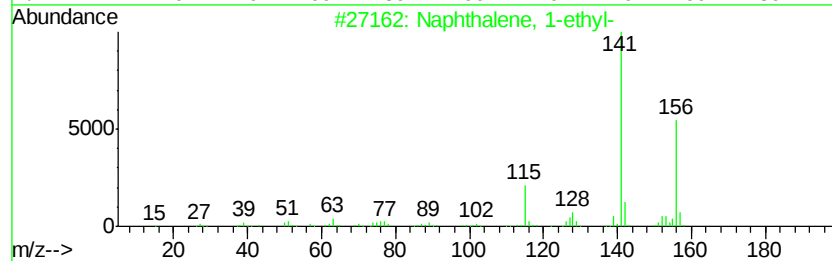
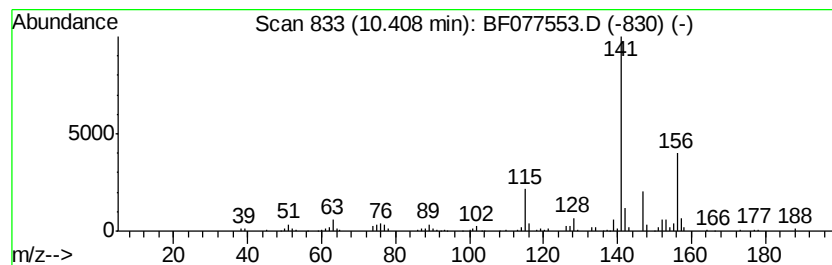
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 1-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.41	9.84 ng	309599	Acenaphthene-d10	10.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
2			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	81
3			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	72
4			2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	58
5			2',5'-Difluoroacetophenone	156	C8H6F2O	001979-36-8	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030315\
Data File : BF077553.D
Acq On : 3 Mar 2015 18:48
Operator : TP/IZ
Sample : G1401-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

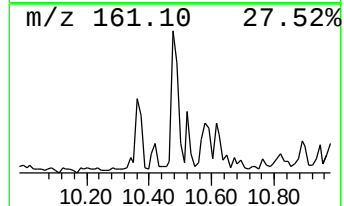
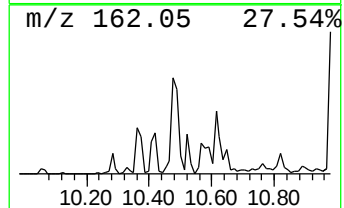
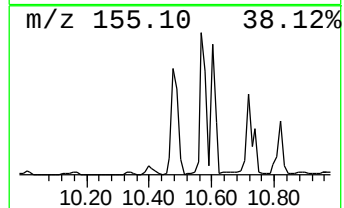
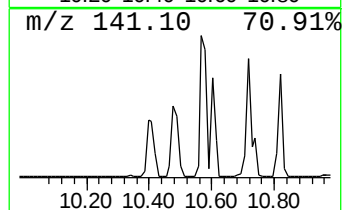
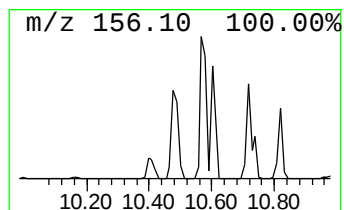
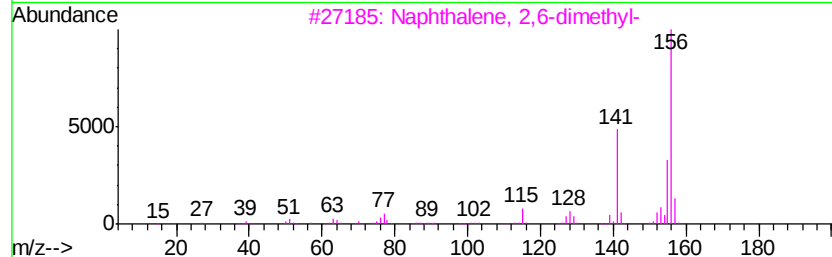
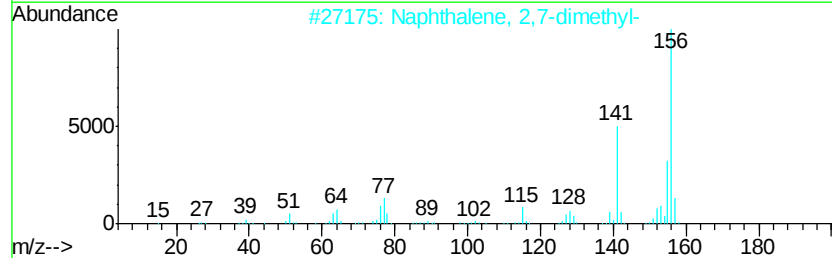
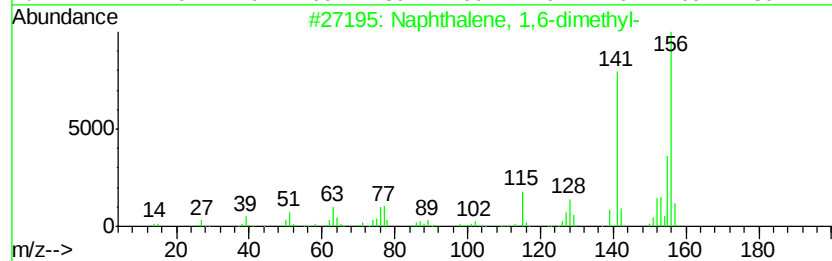
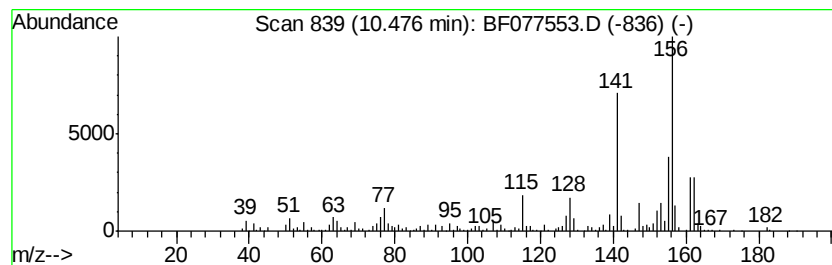
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ClientSampleId :
MW-06-2-27-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 1,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.48	20.32 ng	639306	Acenaphthene-d10	10.99
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 96
2		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 96
3		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 95
4		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 93
5		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030315\
Data File : BF077553.D
Acq On : 3 Mar 2015 18:48
Operator : TP/IZ
Sample : G1401-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-06-2-27-15

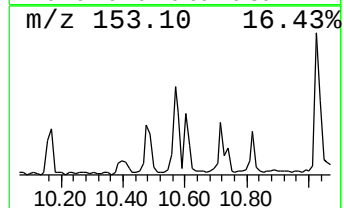
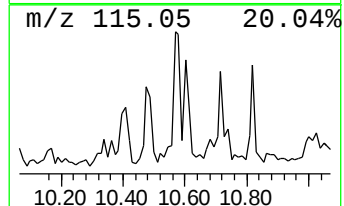
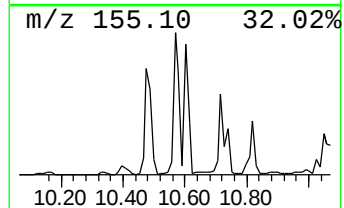
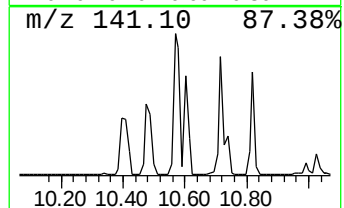
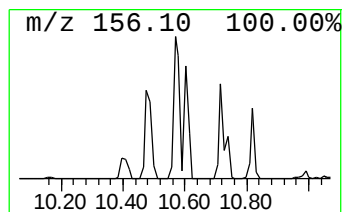
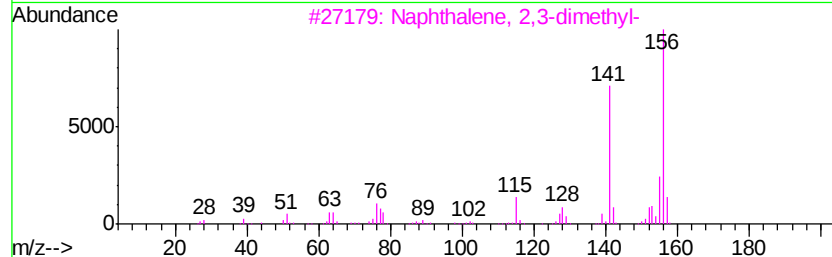
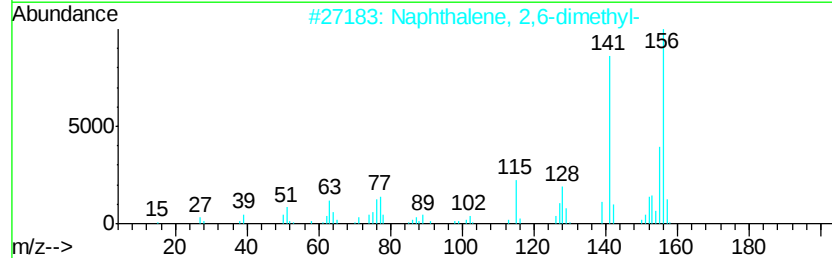
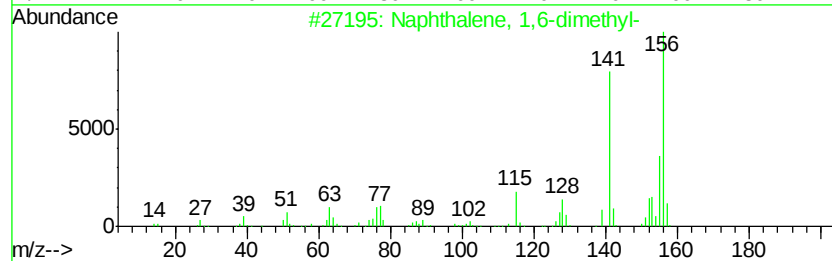
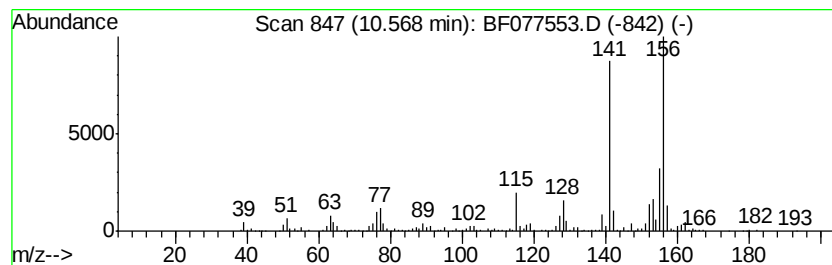
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	31.64 ng	995301	Acenaphthene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077553.D
Acq On : 3 Mar 2015 18:48
Operator : TP/IZ
Sample : G1401-07
Misc :
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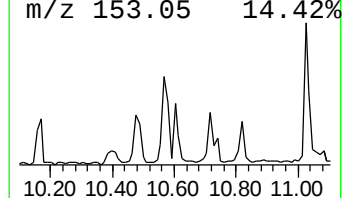
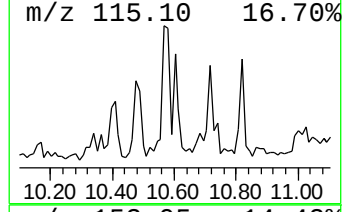
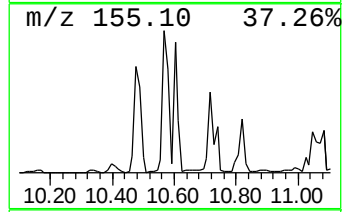
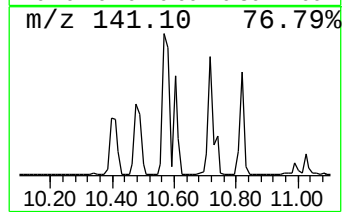
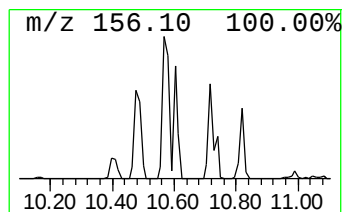
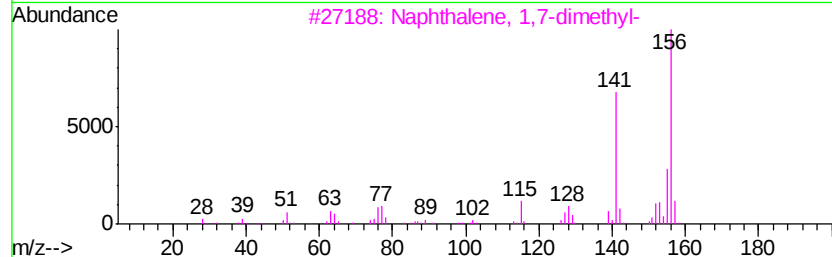
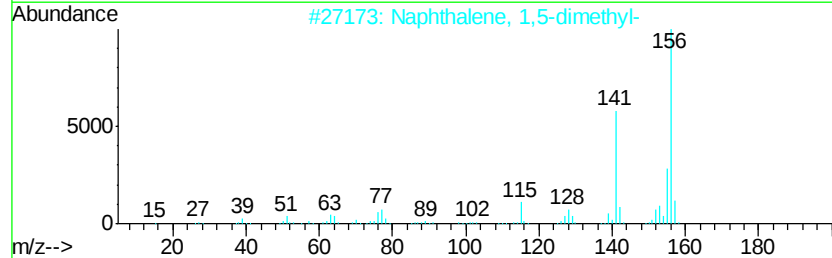
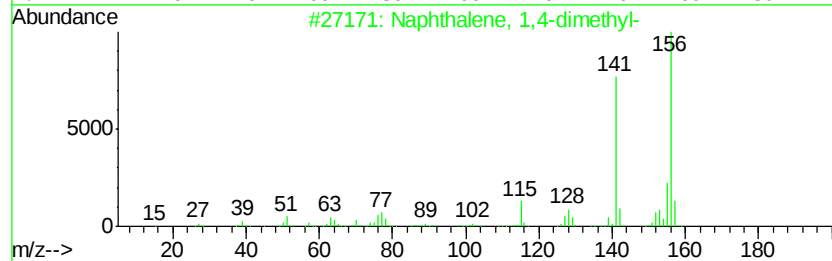
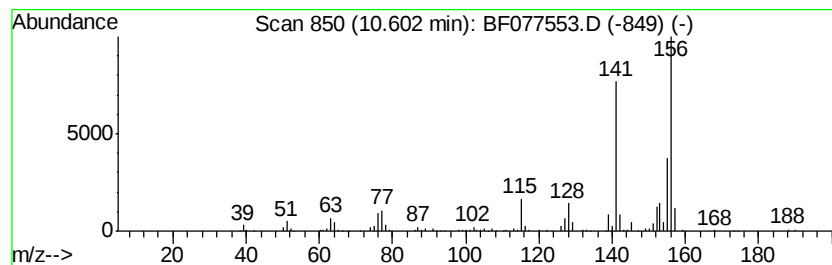
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.60	18.03 ng	567061	Acenaphthene-d10		10.99
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077553.D
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MW-06-2-27-15

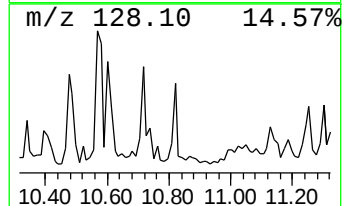
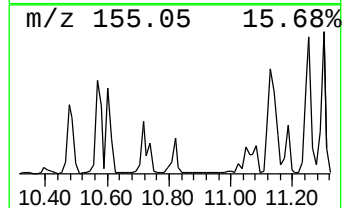
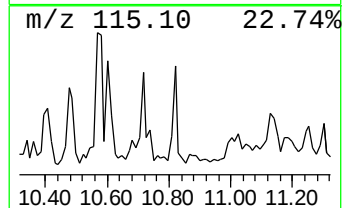
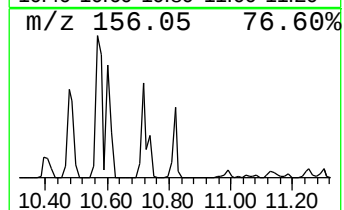
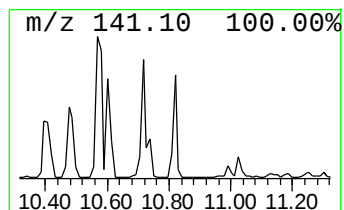
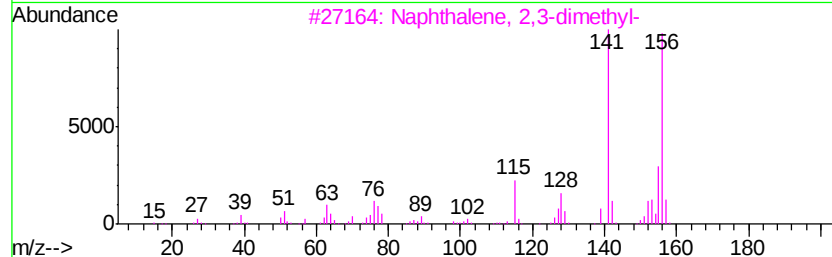
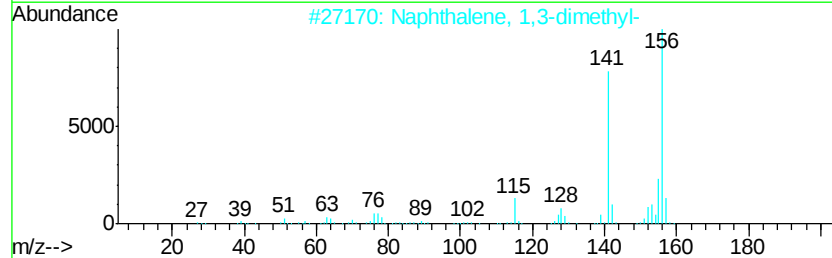
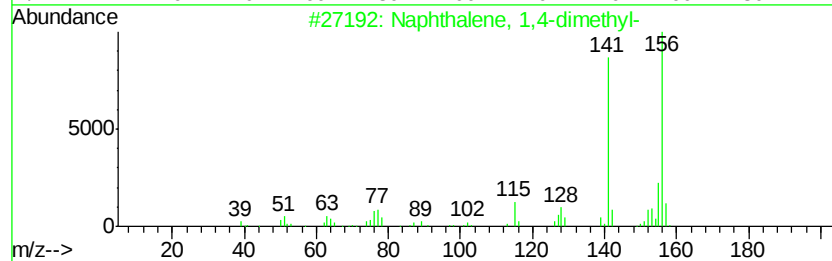
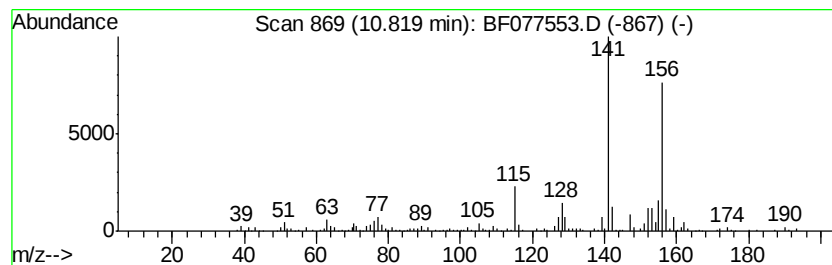
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 1,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	9.32 ng	293318	Acenaphthene-d10	10.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	93
5			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030315\
Data File : BF077553.D
Acq On : 3 Mar 2015 18:48
Operator : TP/IZ
Sample : G1401-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-06-2-27-15

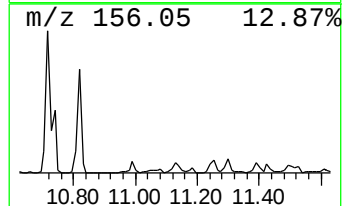
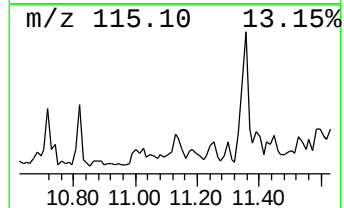
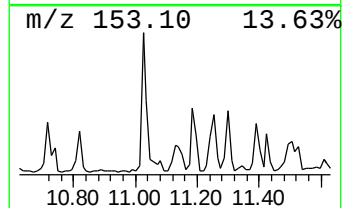
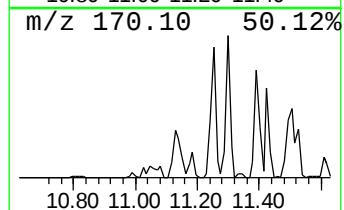
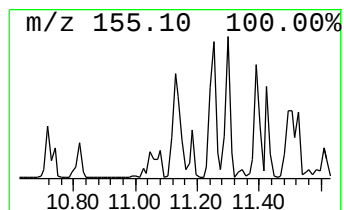
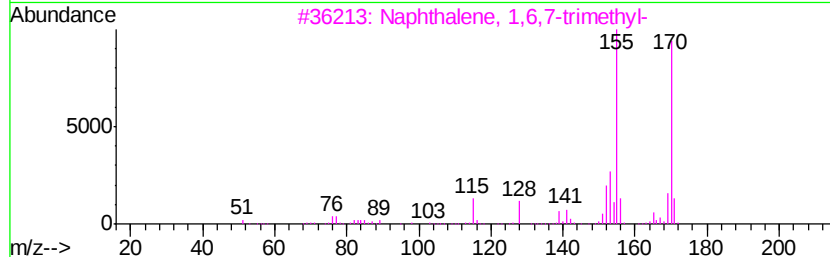
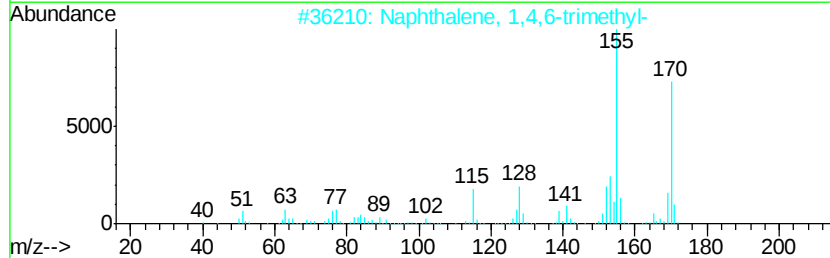
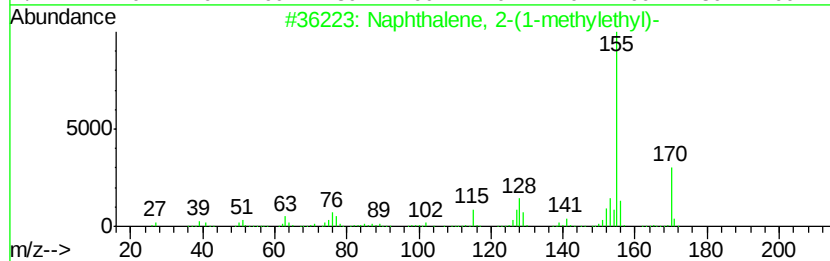
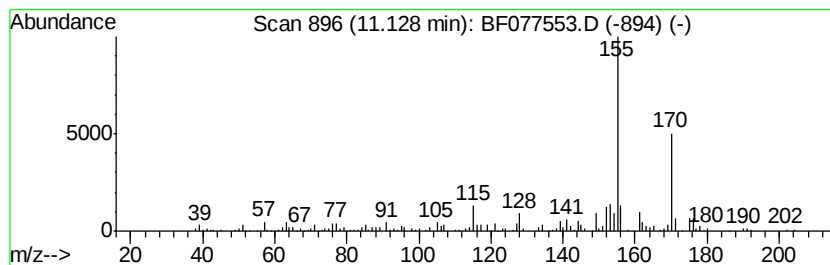
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 2-(1-methyleth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	9.07 ng	285194	Acenaphthene-d10	10.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
2			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	64
3			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	64
4			2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	62
5			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077553.D
Acq On : 3 Mar 2015 18:48
Operator : TP/IZ
Sample : G1401-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-06-2-27-15

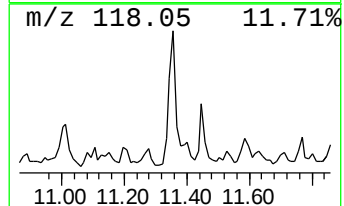
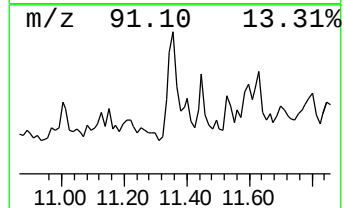
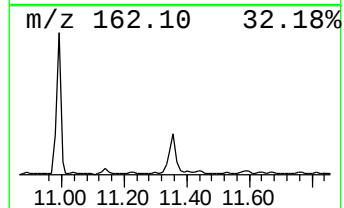
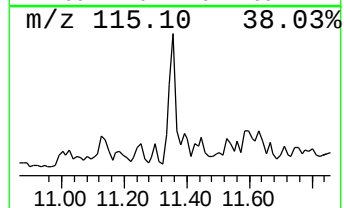
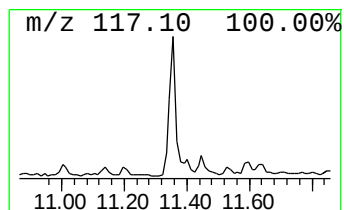
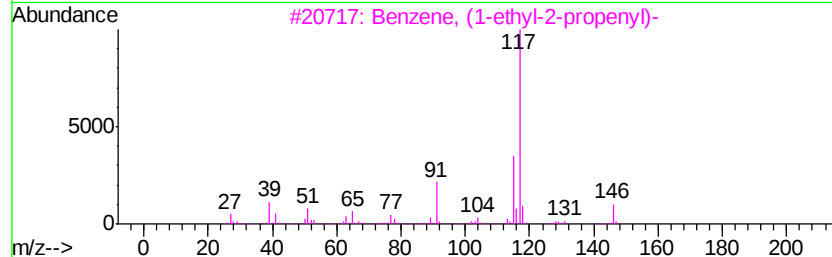
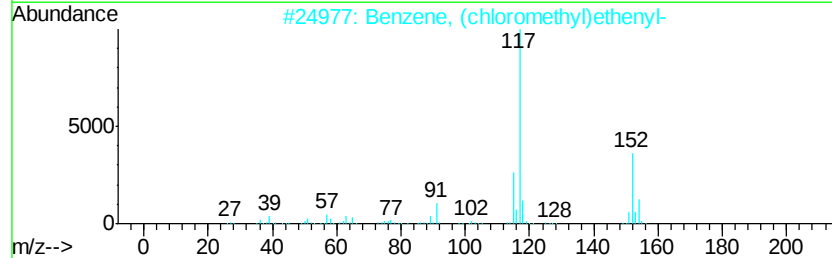
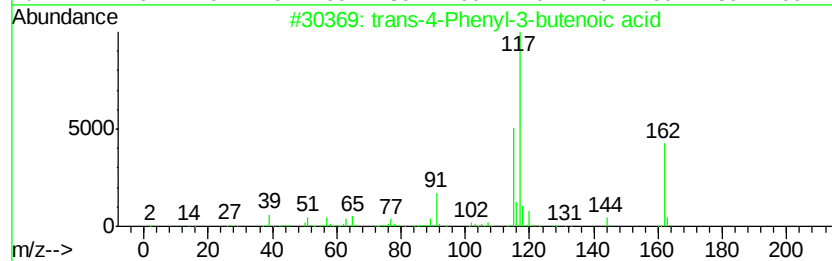
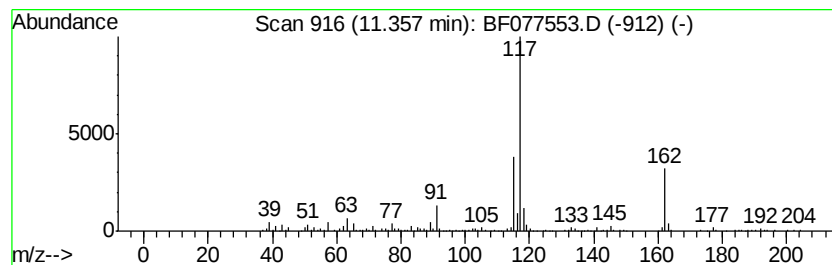
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 trans-4-Phenyl-3-butenic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	14.32 ng	450590	Acenaphthene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-4-Phenyl-3-butenic acid	162	C10H10O2	001914-58-5	93
2		Benzene, (chloromethyl)ethenyl-	152	C9H9Cl	030030-25-2	64
3		Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	64
4		3-Butenoic acid, 4-phenyl-	162	C10H10O2	002243-53-0	62
5		Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030315\
Data File : BF077553.D
Acq On : 3 Mar 2015 18:48
Operator : TP/IZ
Sample : G1401-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-06-2-27-15

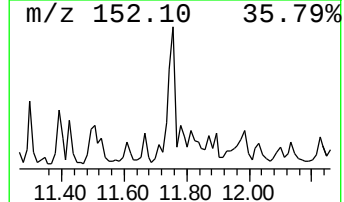
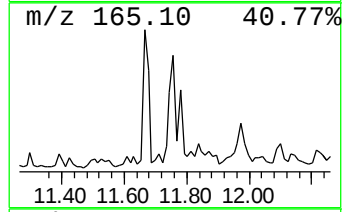
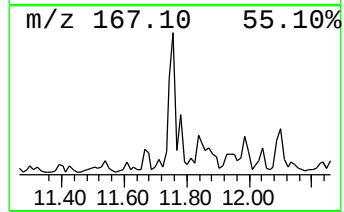
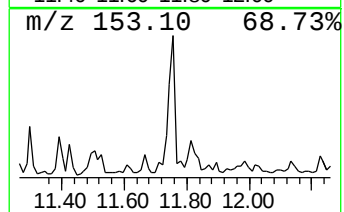
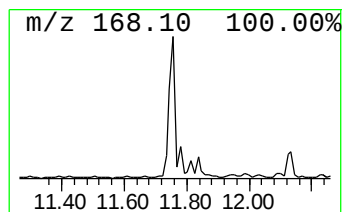
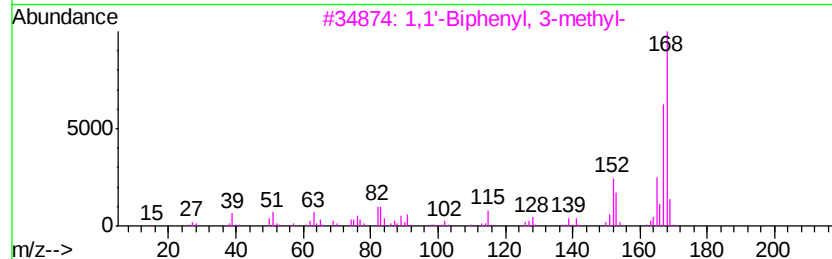
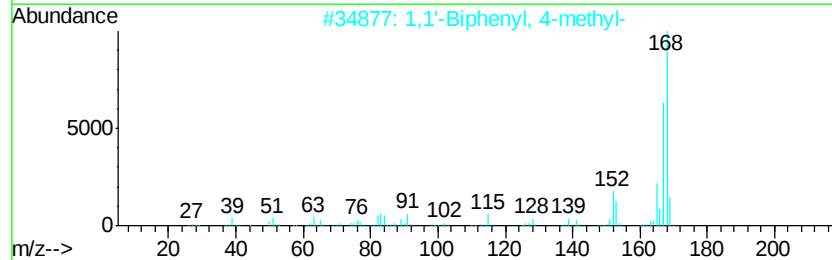
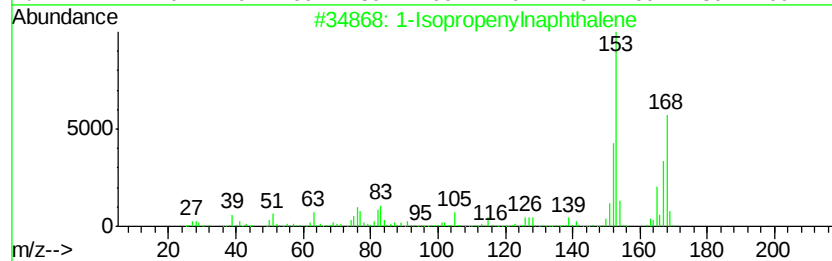
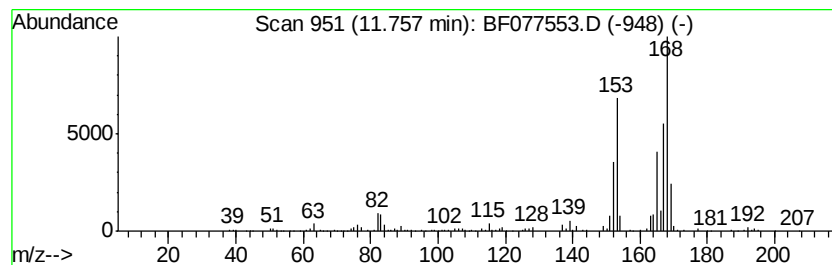
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1-Isopropenylnaphthalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	8.01 ng	251923	Acenaphthene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	59
2		1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	52
3		1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	52
4		Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	50
5		N-Nitrosodiphenylamine	198	C12H10N2O	000086-30-6	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030315\
Data File : BF077553.D
Acq On : 3 Mar 2015 18:48
Operator : TP/IZ
Sample : G1401-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-06-2-27-15

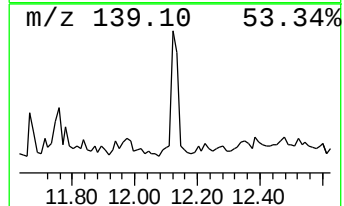
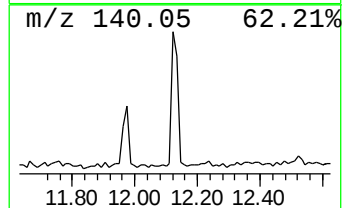
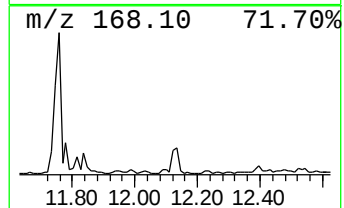
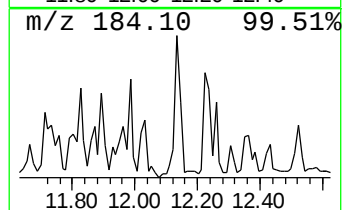
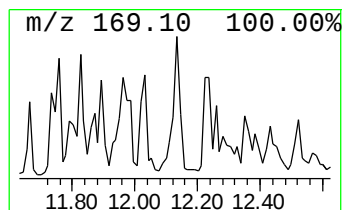
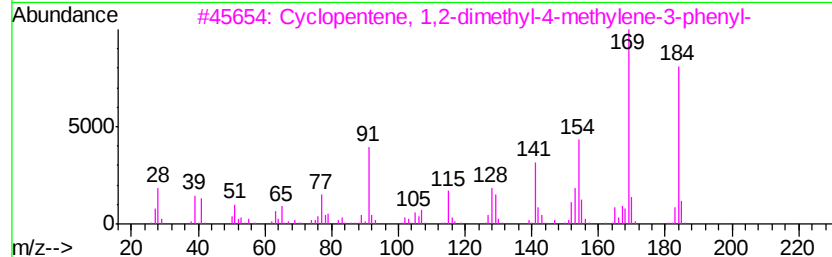
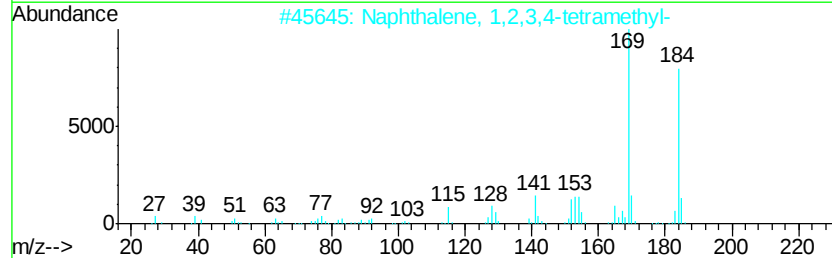
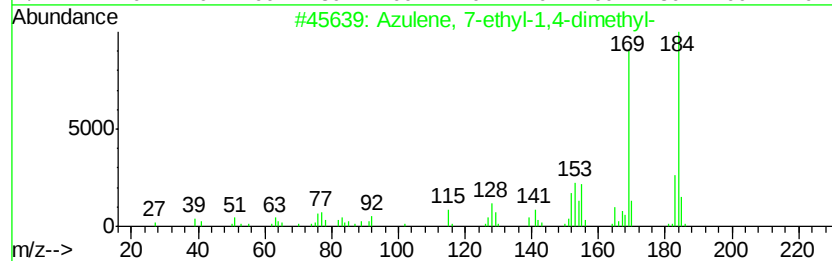
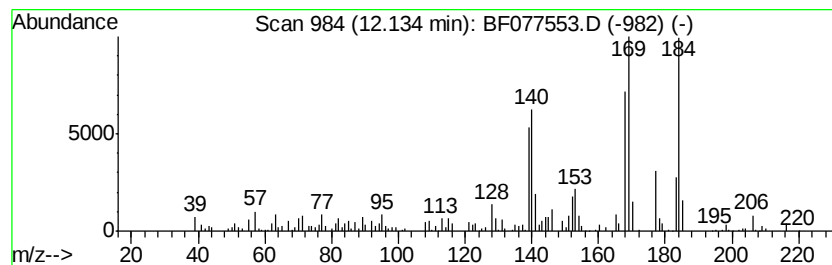
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Azulene, 7-ethyl-1,4-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	8.06 ng	142803	Phenanthrene-d10	12.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	60
2		Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	50
3		Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	46
4		3,4-Dimethoxy-6-methylpyrocatechol	184	C9H12O4	054826-79-8	43
5		Silane, tetra-1-propynyl-	184	C12H12Si	020143-21-9	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030315\
Data File : BF077553.D
Acq On : 3 Mar 2015 18:48
Operator : TP/IZ
Sample : G1401-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-06-2-27-15

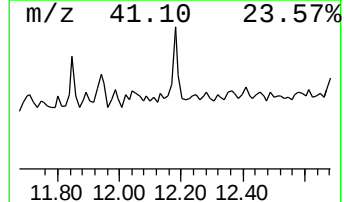
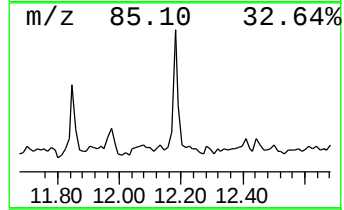
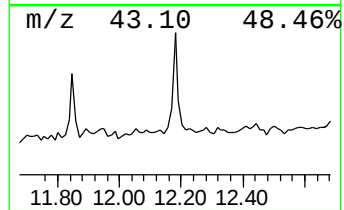
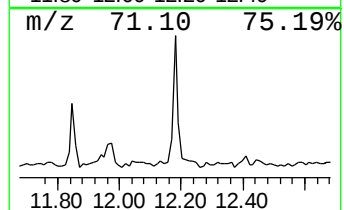
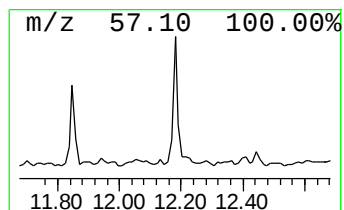
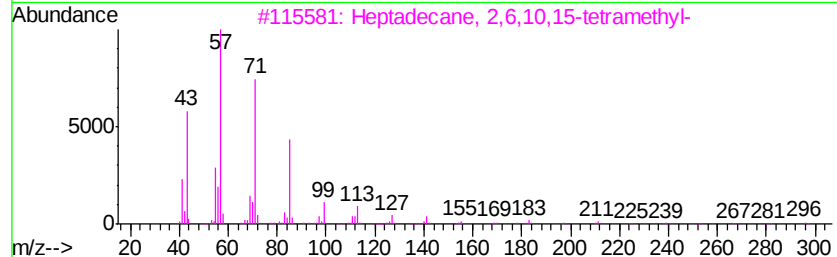
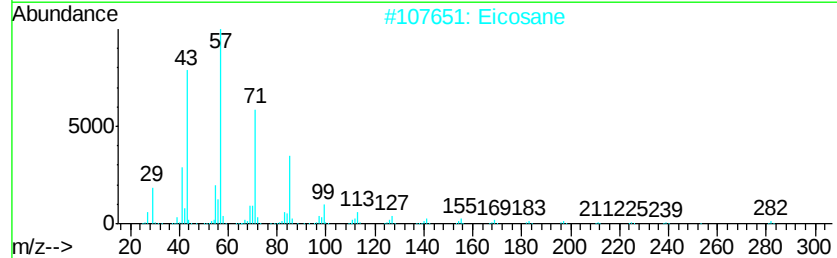
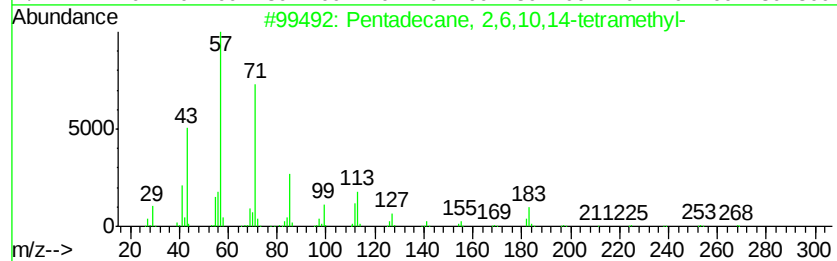
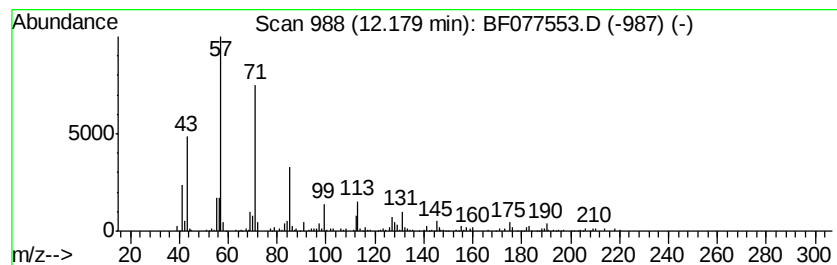
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Pentadecane, 2,6,10,14-tetr... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	8.23 ng	145773	Phenanthrene-d10	12.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	72
2		Eicosane	282	C20H42	000112-95-8	64
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64
4		Decane, 3-methyl-	156	C11H24	013151-34-3	58
5		Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
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Acq On : 3 Mar 2015 18:48
Operator : TP/IZ
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-06-2-27-15

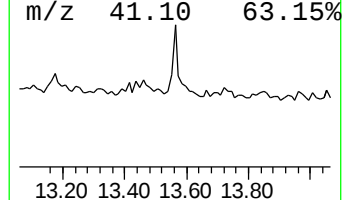
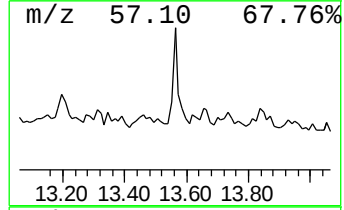
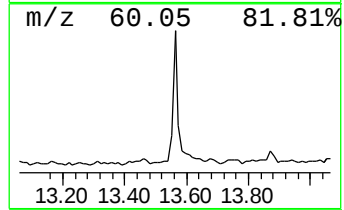
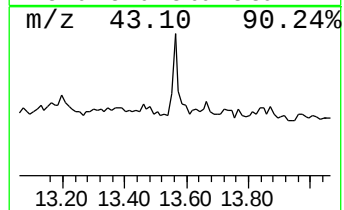
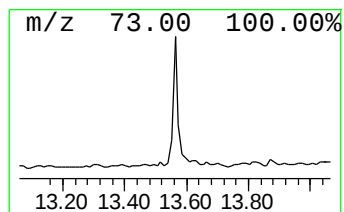
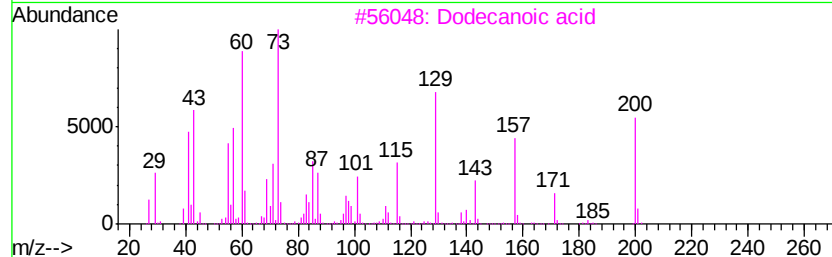
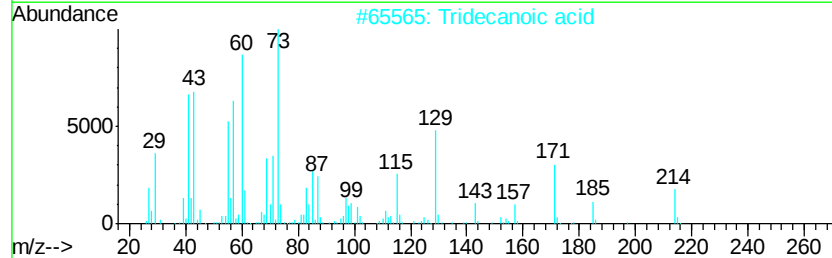
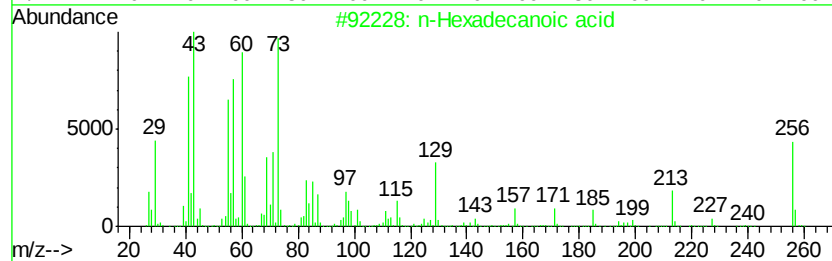
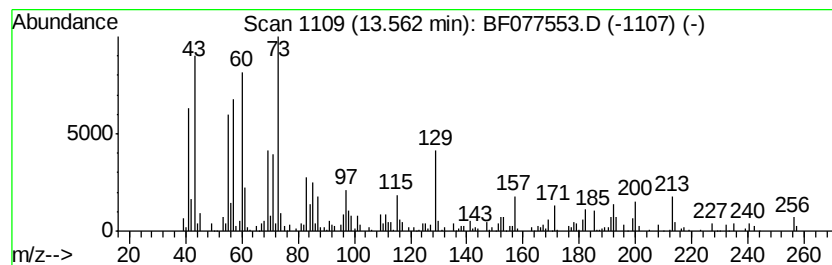
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 n-Hexadecanoic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	8.84 ng	156678	Phenanthrene-d10	12.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2		Tridecanoic acid	214	C13H26O2	000638-53-9	89
3		Dodecanoic acid	200	C12H24O2	000143-07-7	86
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5		Pentadecanoic acid	242	C15H30O2	001002-84-2	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030315\
 Data File : BF077553.D
 Acq On : 3 Mar 2015 18:48
 Operator : TP/IZ
 Sample : G1401-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-06-2-27-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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
Butane, 2-methoxy...	1.70	19.9	ng	313499	1	7.24	315379	20.0
unknown6.94	6.94	91.0	ng	1434260	1	7.24	315379	20.0
Benzene, 2-etheny...	8.50	8.5	ng	250941	2	8.81	591826	20.0
Benzo[b]thiophene...	9.40	20.7	ng	611595	2	8.81	591826	20.0
3-Methylbenzothio...	9.64	7.7	ng	226773	2	8.81	591826	20.0
Naphthalene, 1-et...	10.41	9.8	ng	309599	3	10.99	629132	20.0
Naphthalene, 1,6-...	10.48	20.3	ng	639306	3	10.99	629132	20.0
Naphthalene, 2,6-...	10.57	31.6	ng	995301	3	10.99	629132	20.0
Naphthalene, 1,4-...	10.60	18.0	ng	567061	3	10.99	629132	20.0
Naphthalene, 1,3-...	10.82	9.3	ng	293318	3	10.99	629132	20.0
Naphthalene, 2-(1...	11.13	9.1	ng	285194	3	10.99	629132	20.0
trans-4-Phenyl-3-...	11.36	14.3	ng	450590	3	10.99	629132	20.0
1-Isopropenylnaph...	11.76	8.0	ng	251923	3	10.99	629132	20.0
Azulene, 7-ethyl-...	12.13	8.1	ng	142803	4	12.83	354348	20.0
Pentadecane, 2,6,...	12.18	8.2	ng	145773	4	12.83	354348	20.0
n-Hexadecanoic acid	13.56	8.8	ng	156678	4	12.83	354348	20.0