

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082915\
 Data File : BF081288.D
 Acq On : 30 Aug 2015 00:00
 Operator : UM/IZ
 Sample : G3474-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-01

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-BF081715.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.560	245	247	261	rVB	298519	419403	18.95%	2.119%
2	5.040	287	289	291	rBV	935294	936185	42.29%	4.730%
3	5.463	324	326	330	rVB	20533	22411	1.01%	0.113%
4	6.137	382	385	387	rBV	584006	620091	28.01%	3.133%
5	6.252	392	395	397	rBV	1288443	1610448	72.75%	8.136%
6	6.423	407	410	413	rVB	16534	28354	1.28%	0.143%
7	6.480	413	415	417	rBV	459512	402092	18.16%	2.031%
8	6.640	426	429	430	rBV	1324599	1501609	67.83%	7.586%
9	6.663	430	431	433	rVB	85727	60965	2.75%	0.308%
10	6.812	442	444	445	rBV	30867	24857	1.12%	0.126%
11	7.052	462	465	468	rVB	918137	1291801	58.35%	6.526%
12	7.177	475	476	478	rVB	28588	25512	1.15%	0.129%
13	7.269	481	484	485	rBV	64076	65033	2.94%	0.329%
14	7.292	485	486	488	rVB	45141	34466	1.56%	0.174%
15	7.429	495	498	499	rBV	27003	37083	1.68%	0.187%
16	7.463	499	501	503	rVB2	18322	27436	1.24%	0.139%
17	7.509	503	505	508	rBV	60773	70623	3.19%	0.357%
18	7.703	519	522	525	rBV3	15775	41424	1.87%	0.209%
19	7.772	525	528	529	rVV	513265	584632	26.41%	2.954%
20	7.795	529	530	534	rVV	113022	137988	6.23%	0.697%
21	7.909	538	540	543	rBV	26505	33509	1.51%	0.169%
22	7.966	543	545	548	rBV	56306	58949	2.66%	0.298%
23	8.012	548	549	551	rBV	38615	43725	1.98%	0.221%
24	8.160	560	562	564	rVB2	37709	45478	2.05%	0.230%
25	8.240	564	569	571	rBV	129051	151885	6.86%	0.767%
26	8.275	571	572	575	rVV	28247	39670	1.79%	0.200%
27	8.332	575	577	578	rVV	43004	45776	2.07%	0.231%
28	8.355	578	579	581	rVV	33616	45967	2.08%	0.232%
29	8.400	581	583	584	rVV	25278	26674	1.20%	0.135%
30	8.435	584	586	587	rVB	103913	103563	4.68%	0.523%
31	8.469	587	589	590	rBV2	26064	24803	1.12%	0.125%
32	8.572	595	598	600	rBV2	262892	323847	14.63%	1.636%
33	8.606	600	601	605	rVB2	32658	54481	2.46%	0.275%
34	8.686	605	608	609	rBV2	22969	29037	1.31%	0.147%

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35	8.720	609	611	613	rVV2	20106	27337	1.23%	0.138%
36	8.858	619	623	625	rBV	1650512	2213770	100.00%	11.184%
37	8.949	628	631	632	rBV2	15694	31216	1.41%	0.158%
38	8.995	632	635	636	rVV3	21987	48315	2.18%	0.244%
39	9.018	636	637	639	rVV2	32444	48765	2.20%	0.246%
40	9.052	639	640	642	rVB	55750	39342	1.78%	0.199%
41	9.109	642	645	647	rBV2	55433	90029	4.07%	0.455%
42	9.178	649	651	652	rBV	117635	116372	5.26%	0.588%
43	9.212	652	654	655	rVV2	75312	79688	3.60%	0.403%
44	9.246	655	657	659	rVV2	43227	47933	2.17%	0.242%
45	9.292	659	661	666	rVB	168605	211068	9.53%	1.066%
46	9.372	666	668	670	rVB	298496	241963	10.93%	1.222%
47	9.509	678	680	682	rBV	622856	629093	28.42%	3.178%
48	9.543	682	683	685	rVV	57859	47330	2.14%	0.239%
49	9.623	688	690	692	rVB	17667	23882	1.08%	0.121%
50	9.669	692	694	695	rBV2	29850	34740	1.57%	0.176%
51	9.715	695	698	700	rBV2	92082	106259	4.80%	0.537%
52	9.761	700	702	703	rVB	41619	48804	2.20%	0.247%
53	9.783	703	704	706	rVB2	26777	28229	1.28%	0.143%
54	9.829	706	708	710	rBV2	89834	123826	5.59%	0.626%
55	9.909	713	715	716	rBV	62493	60449	2.73%	0.305%
56	9.932	716	717	719	rVB2	43353	54979	2.48%	0.278%
57	9.978	719	721	722	rBV2	22938	25088	1.13%	0.127%
58	10.012	722	724	726	rVB3	32428	43335	1.96%	0.219%
59	10.046	726	727	729	rBV2	100834	129745	5.86%	0.655%
60	10.115	729	733	737	rBV2	131436	235785	10.65%	1.191%
61	10.183	737	739	740	rBV2	32961	37584	1.70%	0.190%
62	10.252	743	745	746	rVV2	67335	68240	3.08%	0.345%
63	10.298	746	749	751	rVB	1183424	1231593	55.63%	6.222%
64	10.343	751	753	756	rBV3	28470	44543	2.01%	0.225%
65	10.435	758	761	764	rVB3	29240	61928	2.80%	0.313%
66	10.492	764	766	768	rBV4	23756	45252	2.04%	0.229%
67	10.595	772	775	776	rBV2	29940	43267	1.95%	0.219%
68	10.629	776	778	779	rVV	55254	52922	2.39%	0.267%
69	10.846	794	797	798	rBV3	18539	38082	1.72%	0.192%
70	10.881	798	800	804	rVB2	55588	86195	3.89%	0.435%
71	10.984	806	809	811	rVV	585014	581924	26.29%	2.940%

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72	11.098	817	819	820	rBV	45803	52132	2.35%	0.263%
73	11.235	829	831	834	rVB3	34332	60643	2.74%	0.306%
74	11.304	835	837	839	rVV	28007	29910	1.35%	0.151%
75	11.475	850	852	853	rBV2	29850	32389	1.46%	0.164%
76	11.555	857	859	861	rBV	233366	264408	11.94%	1.336%
77	11.738	873	875	878	rBV4	16184	29230	1.32%	0.148%
78	11.795	878	880	882	rVB	36658	35392	1.60%	0.179%
79	12.024	898	900	901	rBV	19393	27071	1.22%	0.137%
80	12.332	924	927	930	rBV	56012	90217	4.08%	0.456%
81	12.572	945	948	950	rBV	1769713	1999317	90.31%	10.101%
82	13.475	1025	1027	1031	rBV	107651	142216	6.42%	0.718%
83	13.590	1035	1037	1040	rBV	466745	494374	22.33%	2.498%
84	14.458	1110	1113	1115	rBV	94367	96098	4.34%	0.485%
85	14.915	1150	1153	1156	rVB	358778	364637	16.47%	1.842%
86	15.361	1190	1192	1195	rBV2	17550	27355	1.24%	0.138%

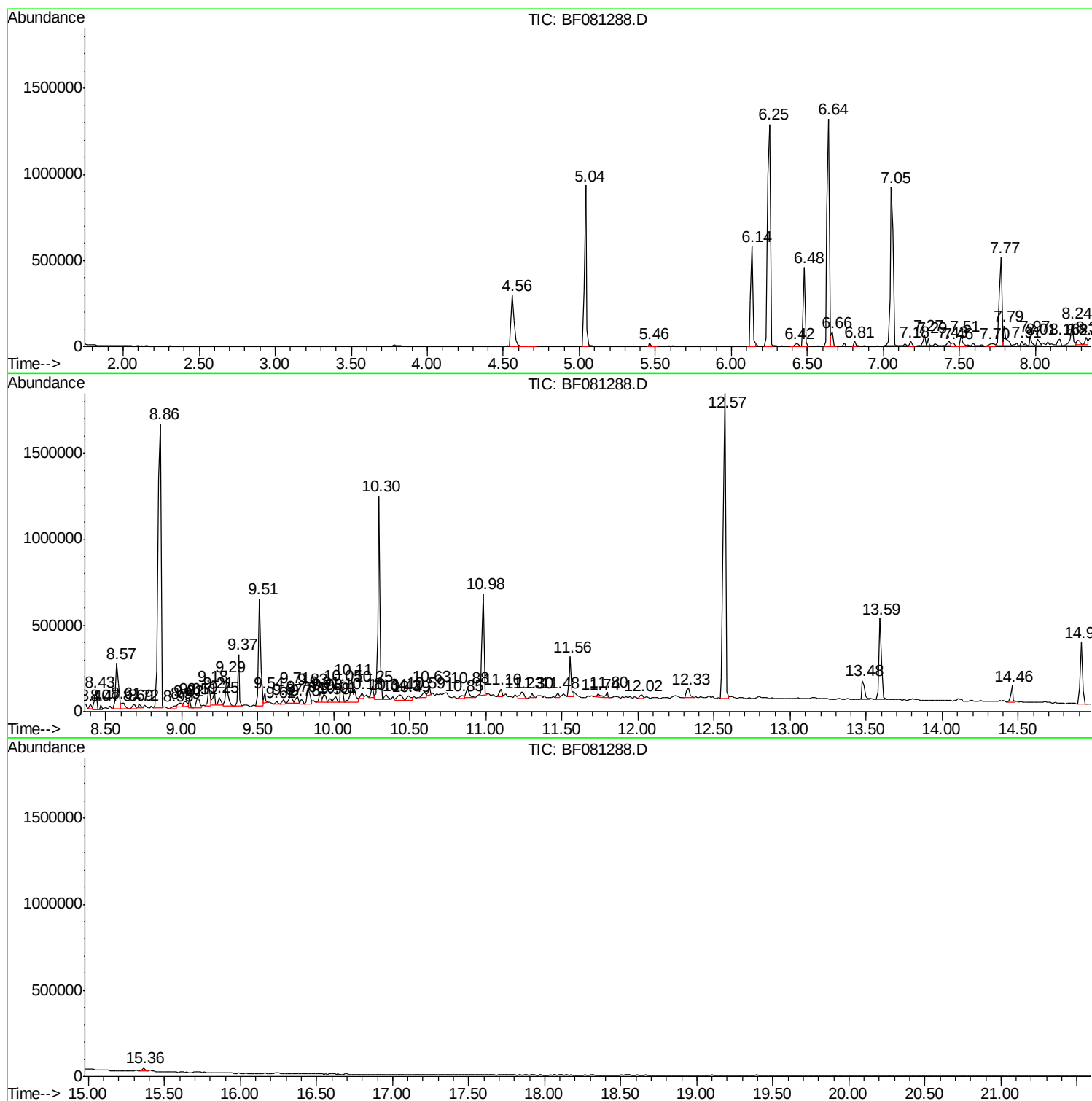
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Instrument :
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ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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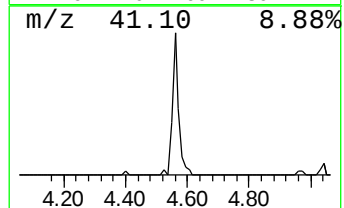
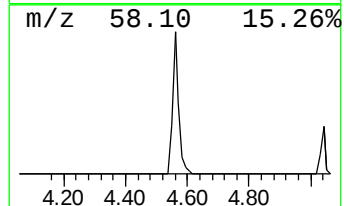
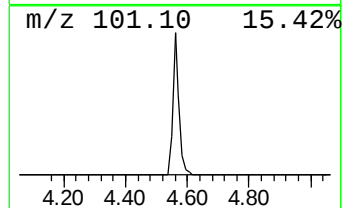
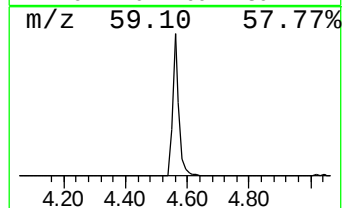
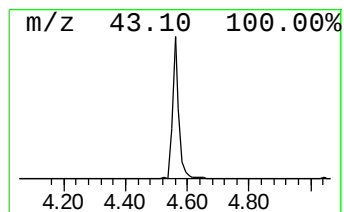
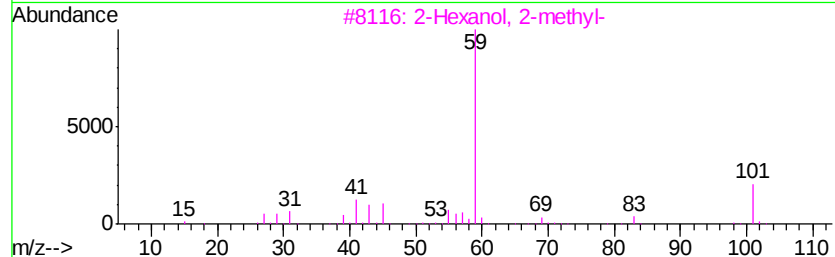
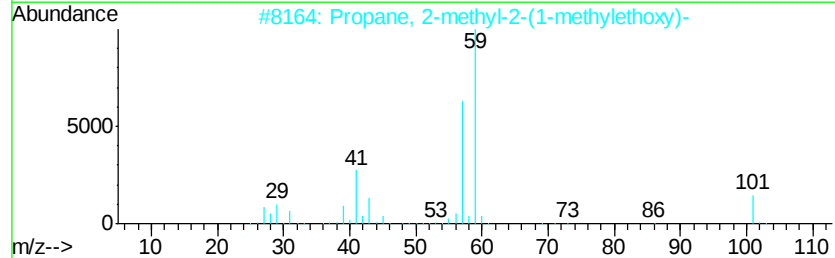
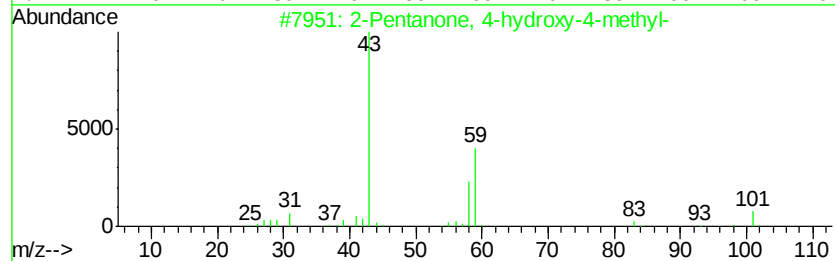
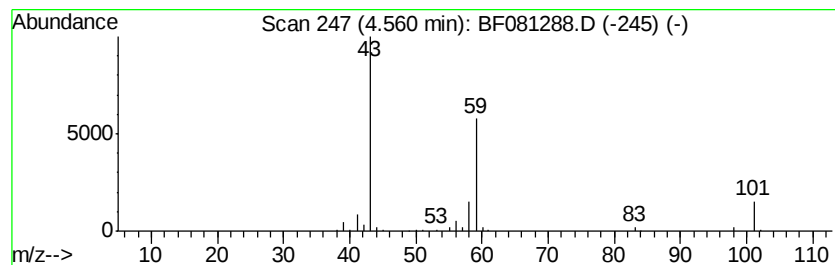
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.56	20.86 ng	419403	1,4-Dichlorobenzene-d4	6.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23



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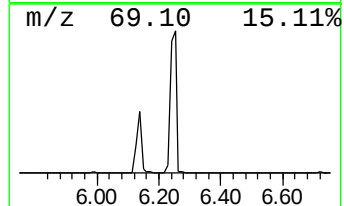
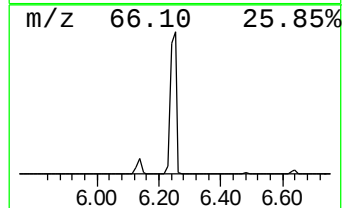
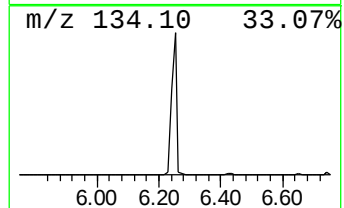
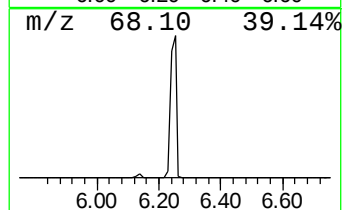
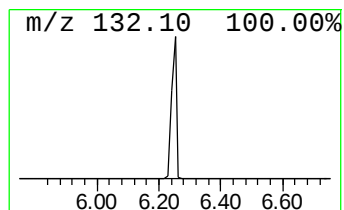
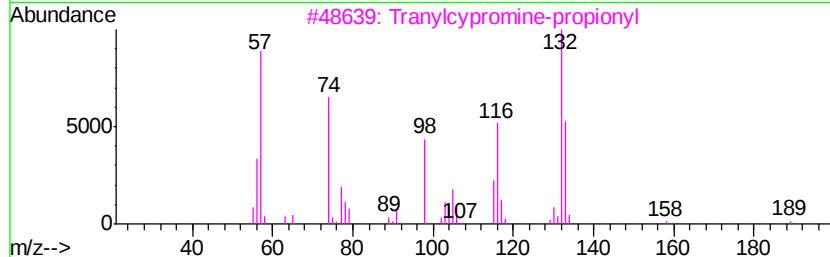
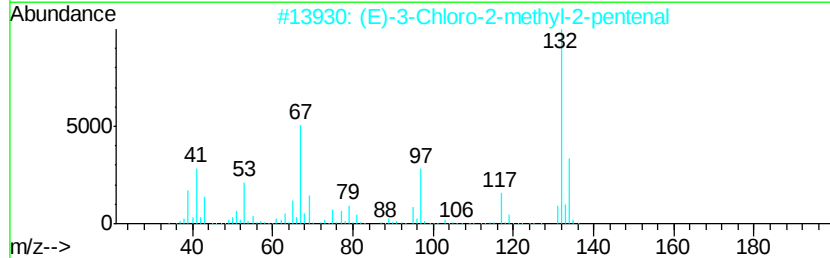
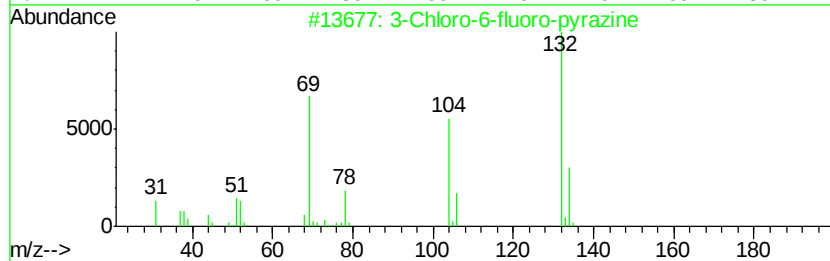
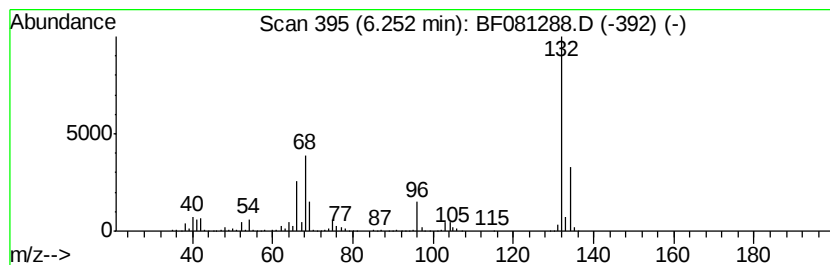
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.25 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.25	80.10 ng	1610450	1,4-Dichlorobenzene-d4	6.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4		Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
5		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9



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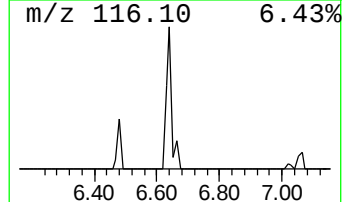
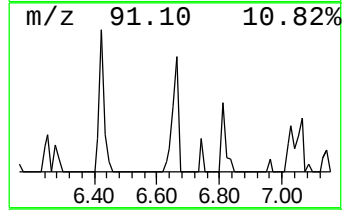
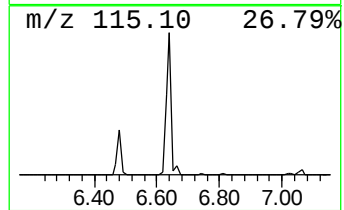
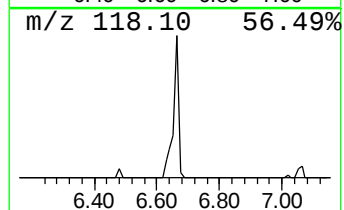
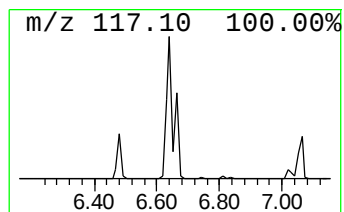
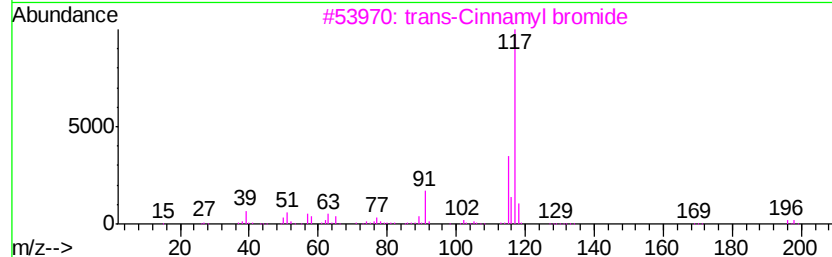
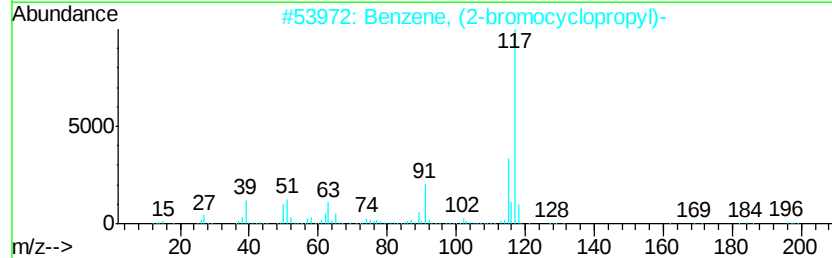
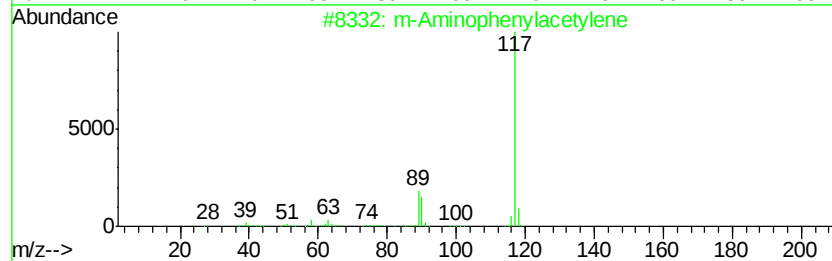
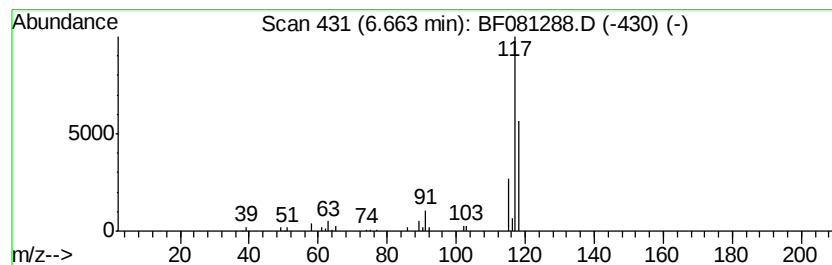
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown6.66 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	3.03 ng	60965	1,4-Dichlorobenzene-d4	6.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	m-Aminophenylacetylene	117	C8H7N	054060-30-9	37
2		Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	36
3		trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	36
4		Bicyclo[4.2.1]nona-2,4,7-triene,...	274	C15H14Se	072065-50-0	10
5		Bicyclo[4.2.1]nona-2,4,7-triene,...	274	C15H14Se	072065-43-1	9



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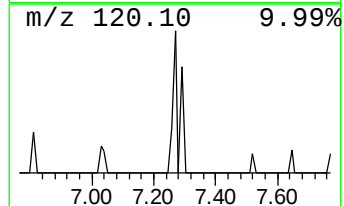
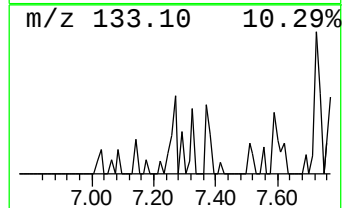
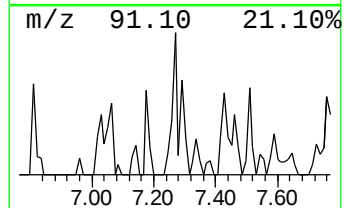
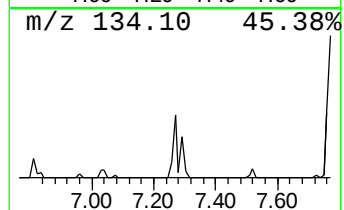
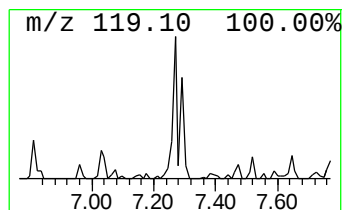
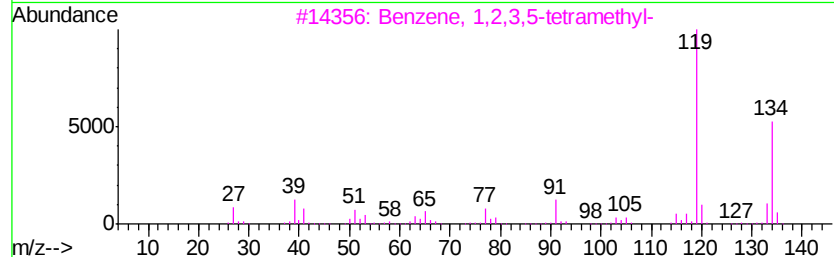
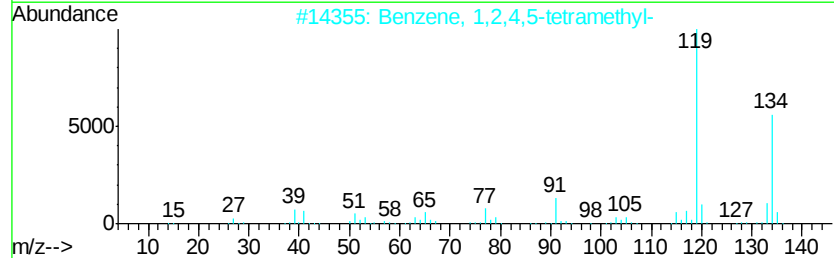
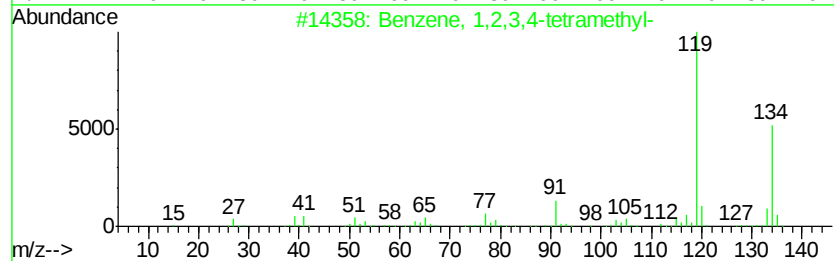
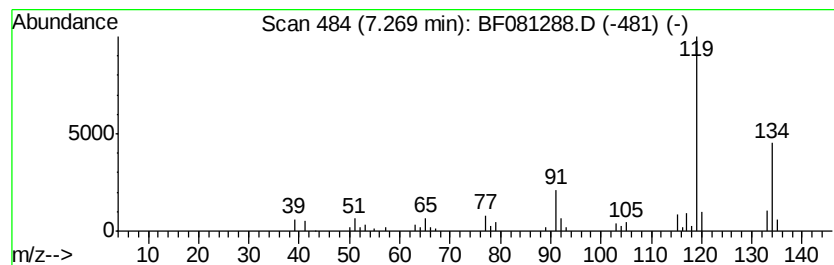
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	2.22 ng	65033	Naphthalene-d8	7.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082915\
Data File : BF081288.D
Acq On : 30 Aug 2015 00:00
Operator : UM/IZ
Sample : G3474-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

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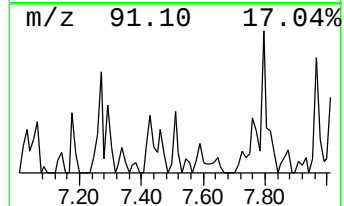
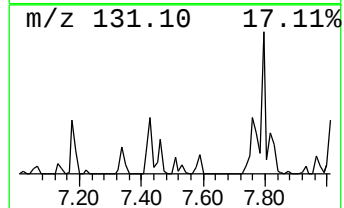
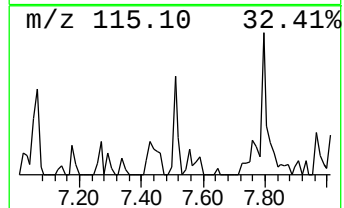
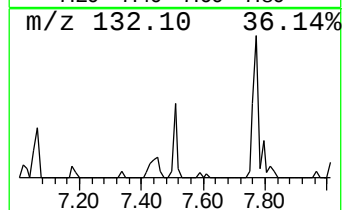
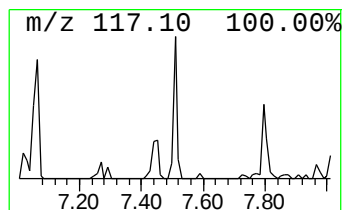
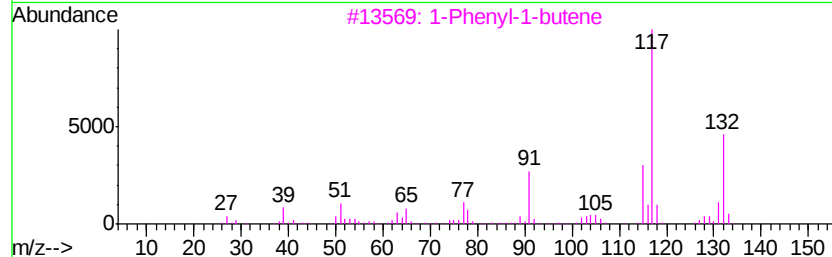
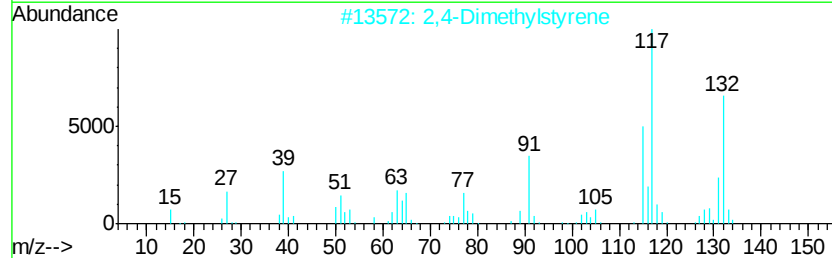
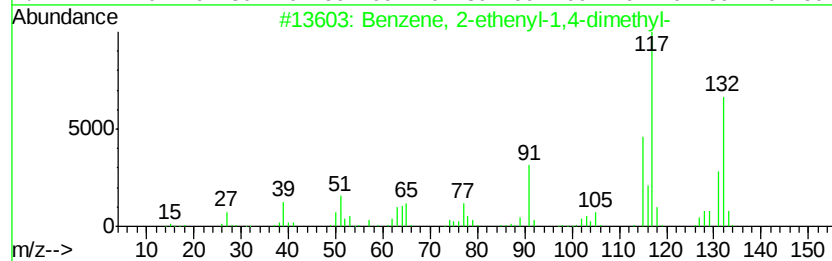
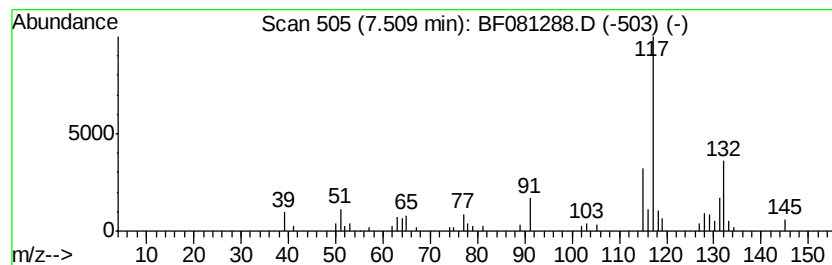
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.51	2.42 ng	70623	Naphthalene-d8	7.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2		2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
3		1-Phenyl-1-butene	132	C10H12	000824-90-8	91
4		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
5		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082915\
Data File : BF081288.D
Acq On : 30 Aug 2015 00:00
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Sample : G3474-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

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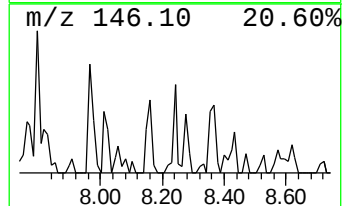
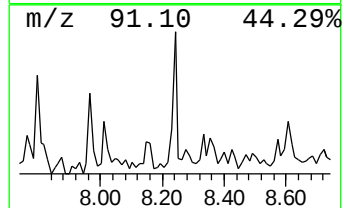
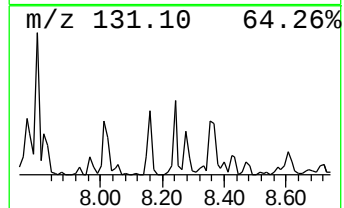
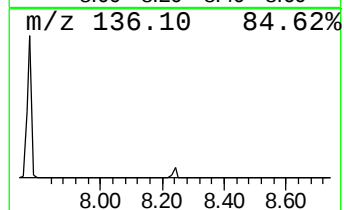
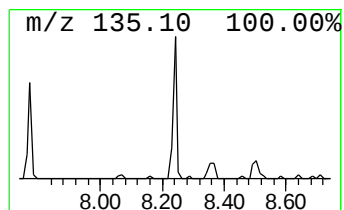
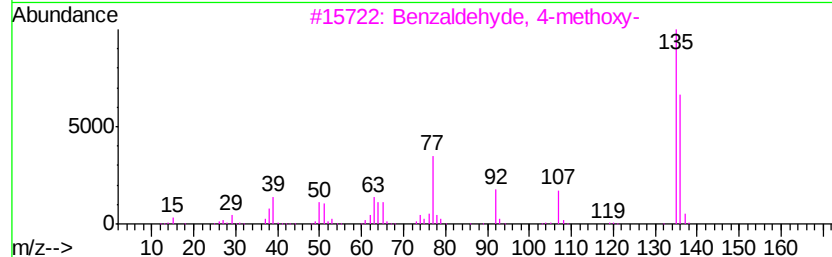
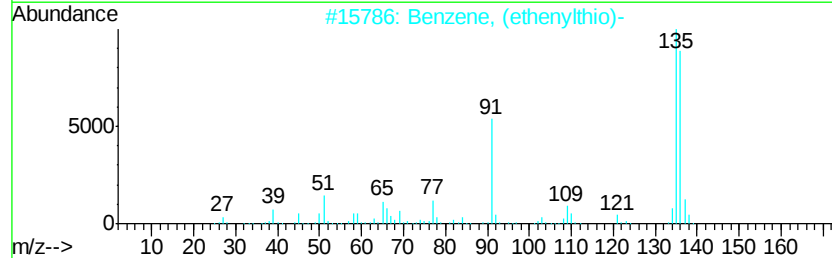
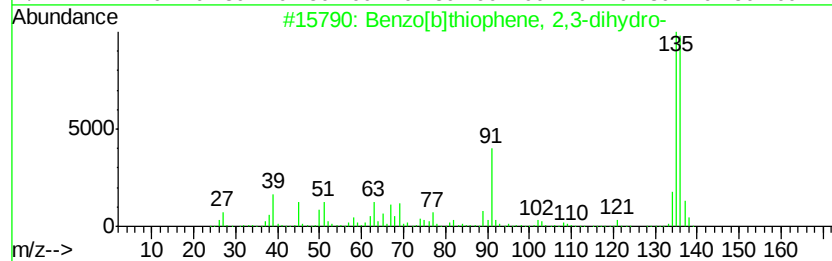
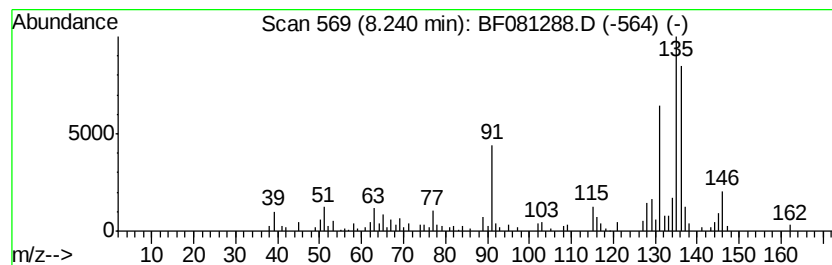
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzo[b]thiophene, 2,3-dihy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.24	5.20 ng	151885	Napthalene-d8	7.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	91
2		Benzene, (ethenylthio)-	136	C8H8S	001822-73-7	60
3		Benzaldehyde, 4-methoxy-	136	C8H8O2	000123-11-5	53
4		3-Hydroxy-4-methylbenzaldehyde	136	C8H8O2	057295-30-4	49
5		Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082915\
Data File : BF081288.D
Acq On : 30 Aug 2015 00:00
Operator : UM/IZ
Sample : G3474-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MW-01

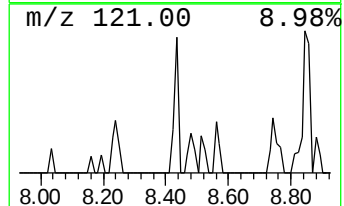
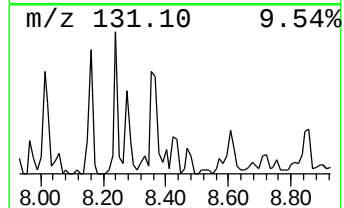
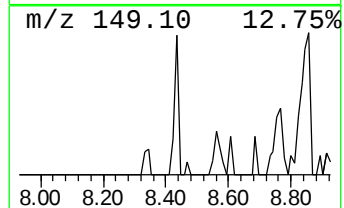
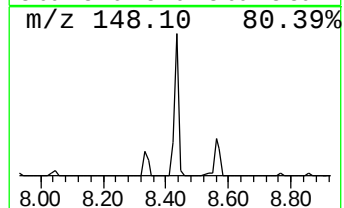
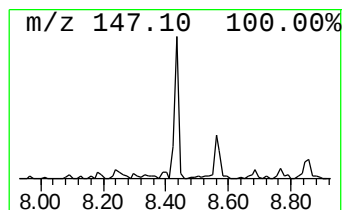
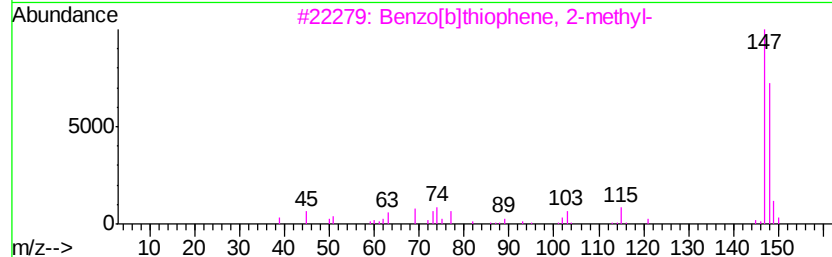
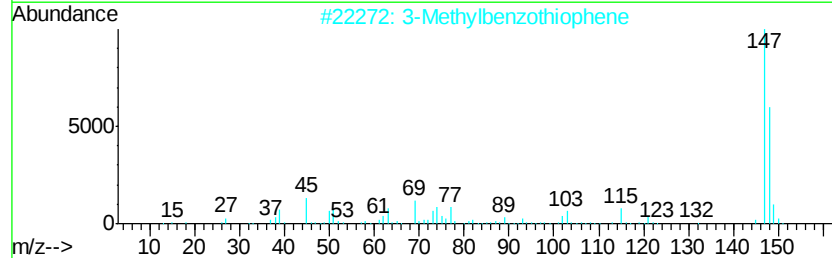
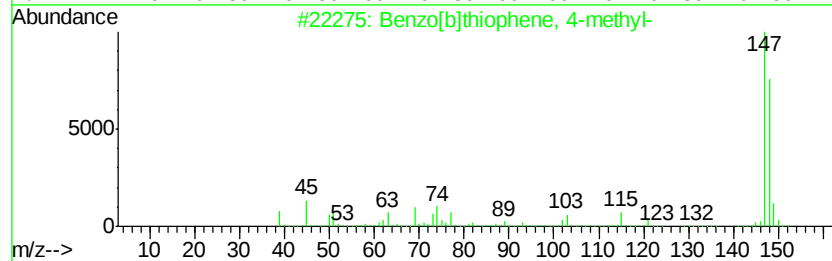
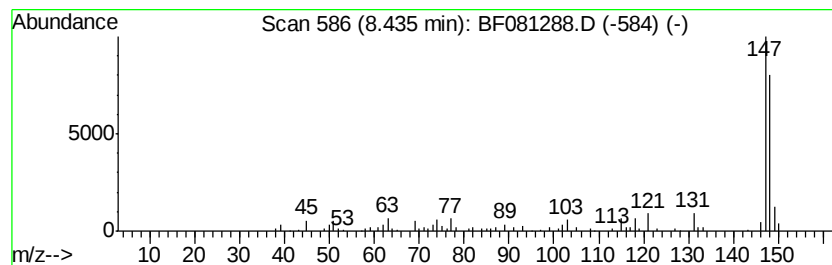
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzo[b]thiophene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	3.54 ng	103563	Napthalene-d8	7.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	90
2		3-Methylbenzothiophene	148	C9H8S	001455-18-1	90
3		Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	87
4		Benzaldehyde, 2,4,6-trimethyl-	148	C10H12O	000487-68-3	86
5		Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082915\
Data File : BF081288.D
Acq On : 30 Aug 2015 00:00
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Sample : G3474-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

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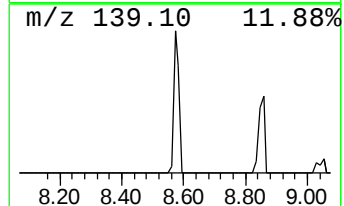
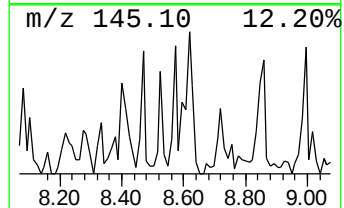
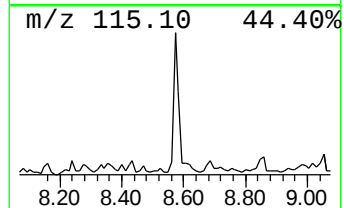
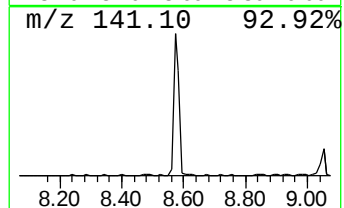
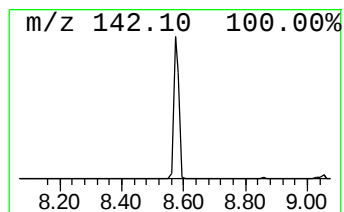
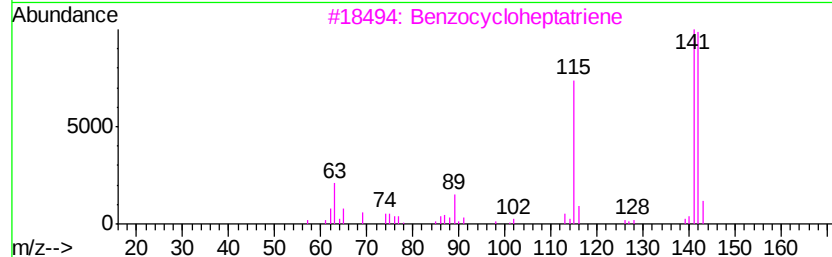
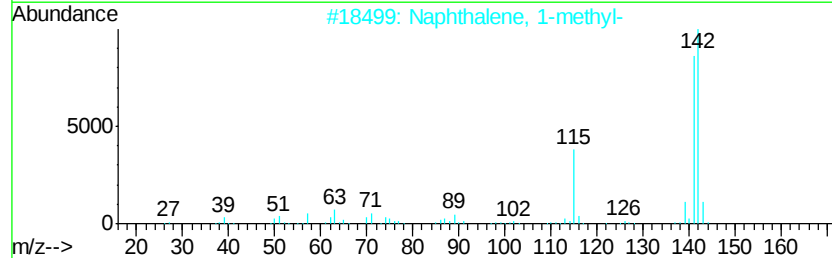
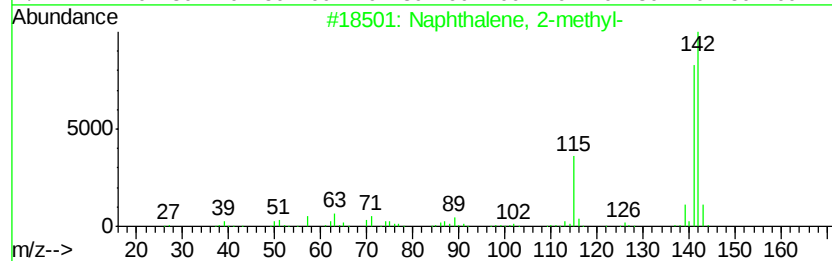
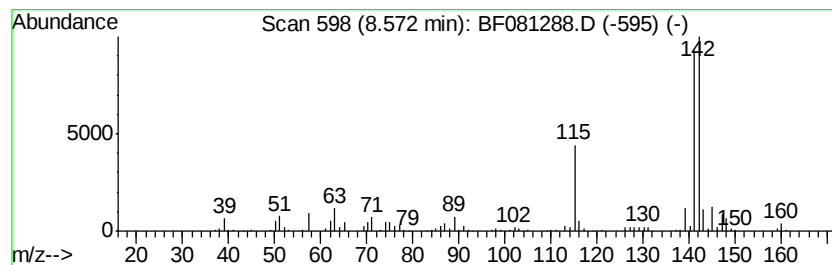
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	11.08 ng	323847	Naphthalene-d8	7.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		Benzocycloheptatriene	142	C11H10	000264-09-5	93
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082915\
Data File : BF081288.D
Acq On : 30 Aug 2015 00:00
Operator : UM/IZ
Sample : G3474-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

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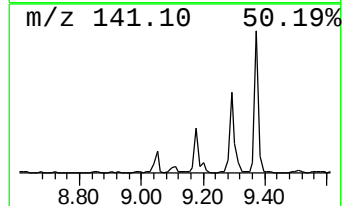
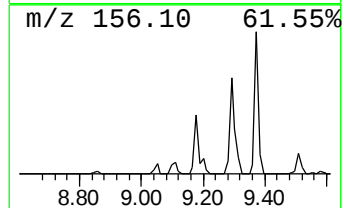
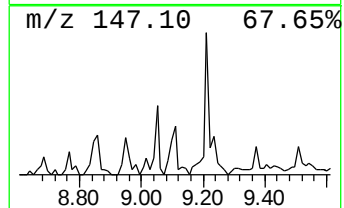
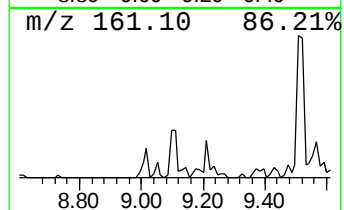
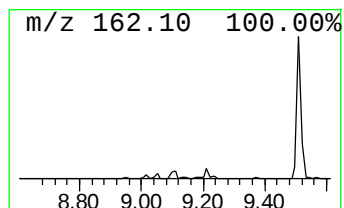
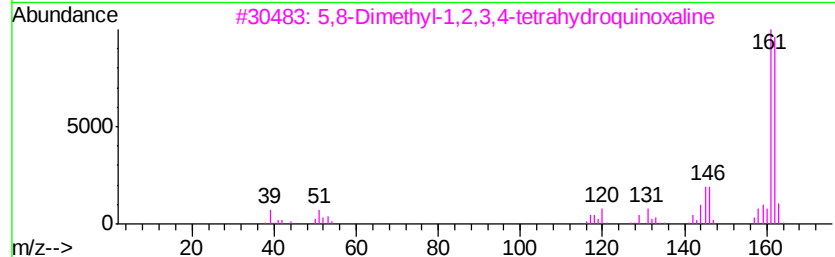
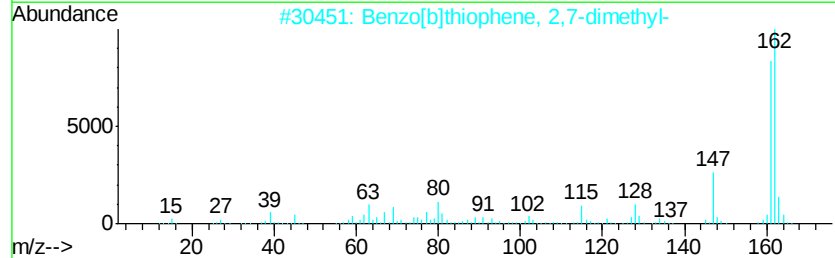
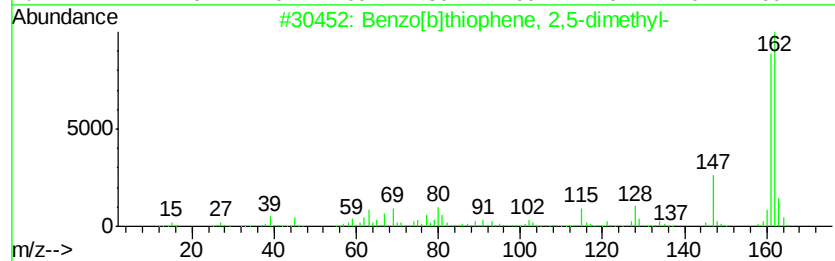
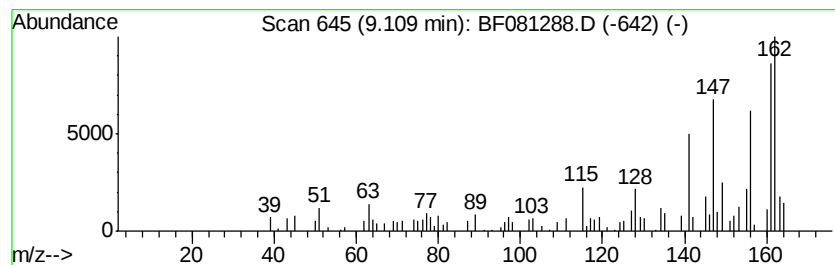
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzo[b]thiophene, 2,5-dime... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.11	2.86 ng	90029	Acenaphthene-d10	9.51

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]thiophene, 2,5-dimethyl-	162	C10H10S	016587-48-7	46
2			Benzo[b]thiophene, 2,7-dimethyl-	162	C10H10S	016587-40-9	46
3			5,8-Dimethyl-1,2,3,4-tetrahydroq...	162	C10H14N2	066102-39-4	38
4			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	35
5			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082915\
Data File : BF081288.D
Acq On : 30 Aug 2015 00:00
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Misc :
ALS Vial : 18 Sample Multiplier: 1

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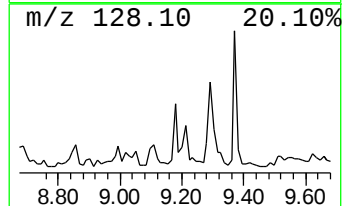
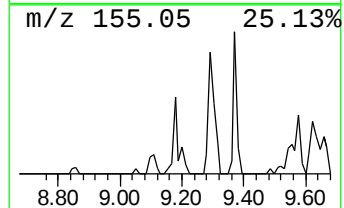
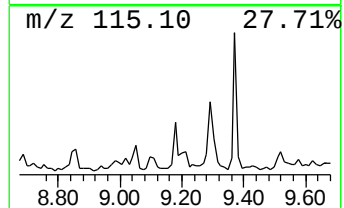
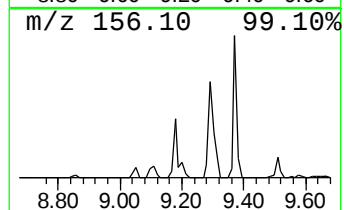
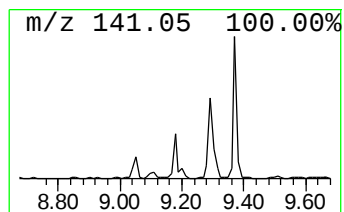
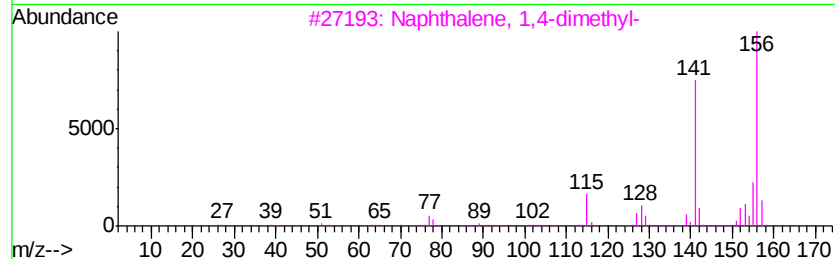
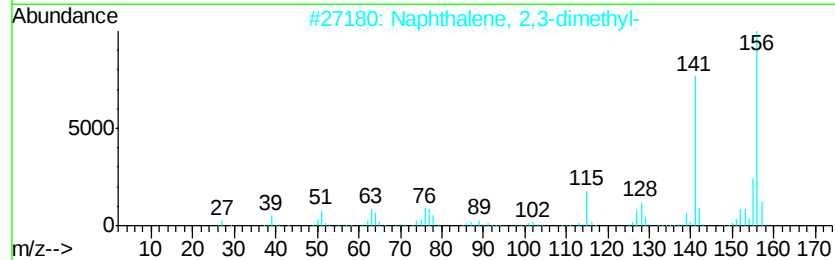
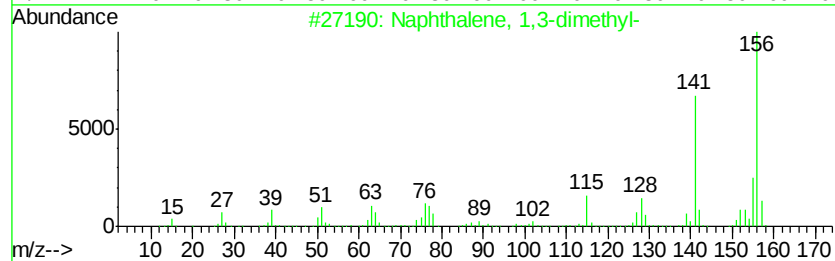
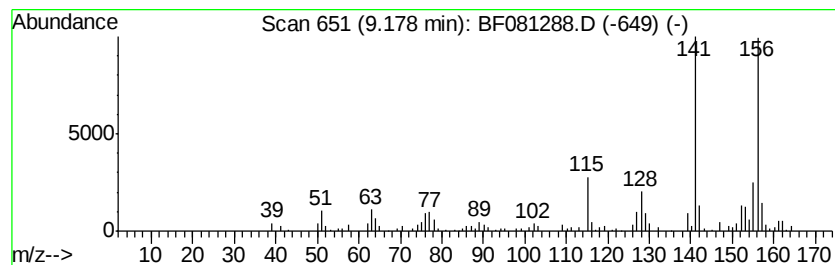
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 1,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	3.70 ng	116372	Acenaphthene-d10	9.51

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082915\
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Acq On : 30 Aug 2015 00:00
Operator : UM/IZ
Sample : G3474-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-01

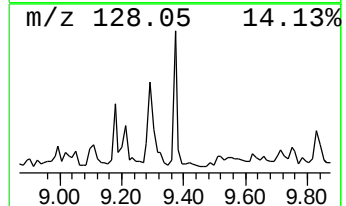
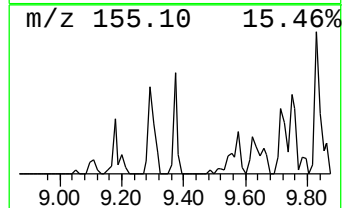
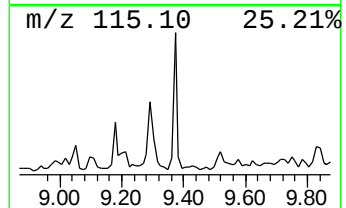
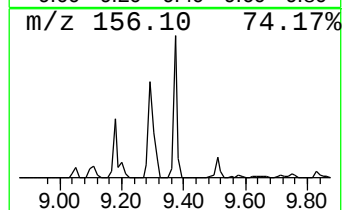
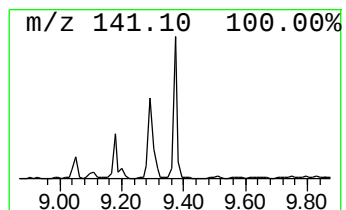
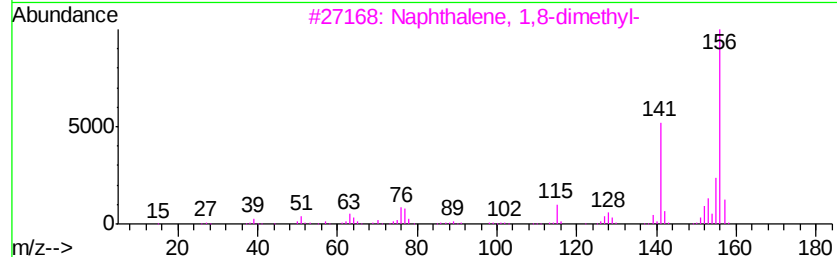
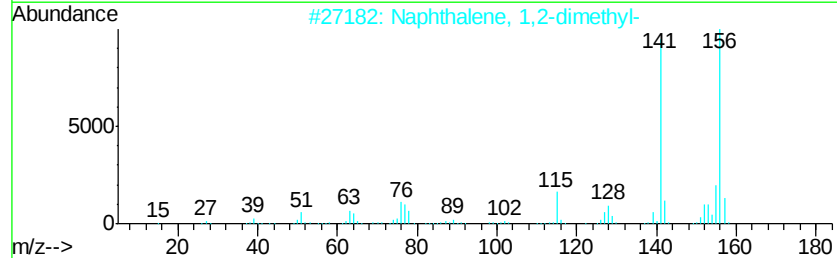
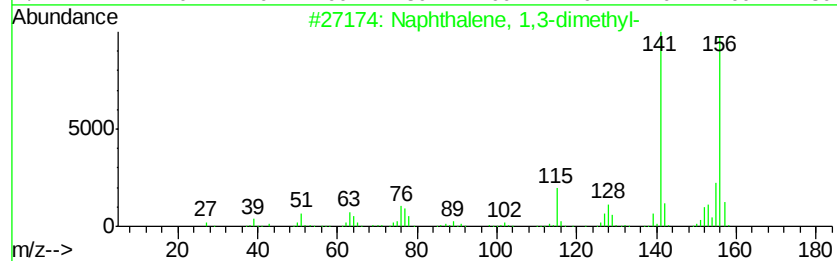
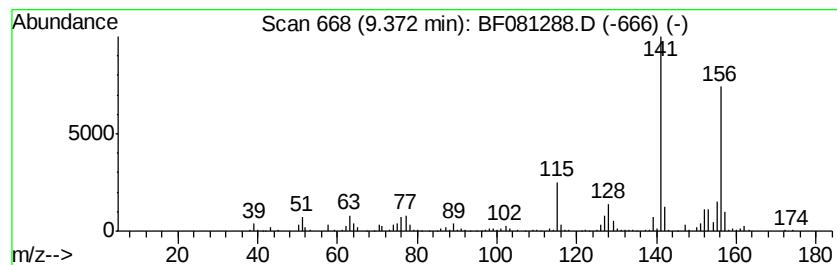
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 1,2-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	7.69 ng	241963	Acenaphthene-d10	9.51

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
3			Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96
4			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082915\
Data File : BF081288.D
Acq On : 30 Aug 2015 00:00
Operator : UM/IZ
Sample : G3474-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-01

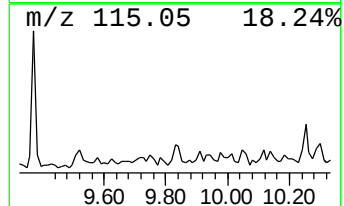
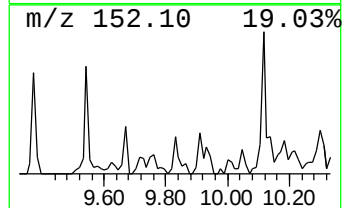
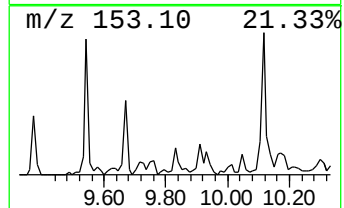
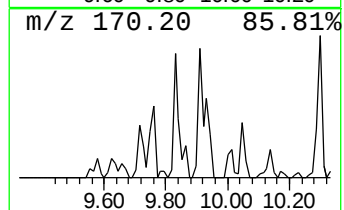
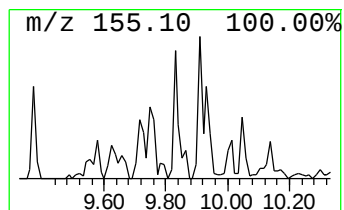
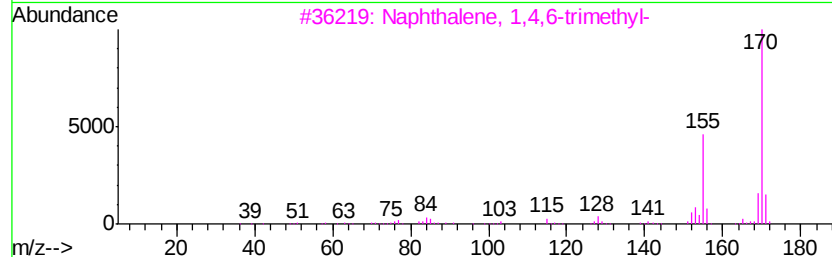
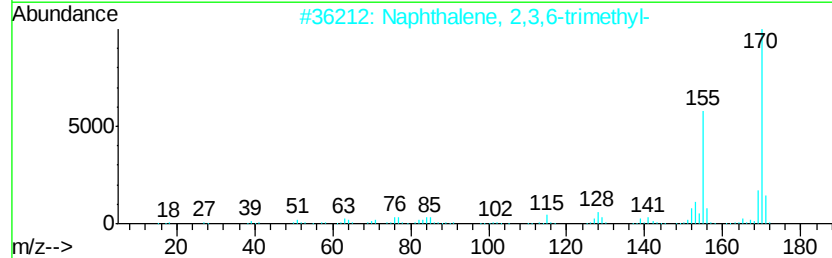
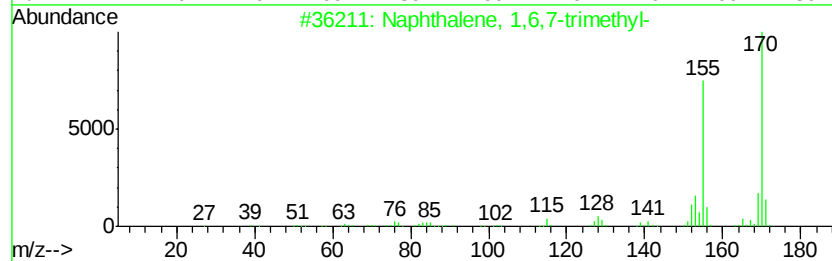
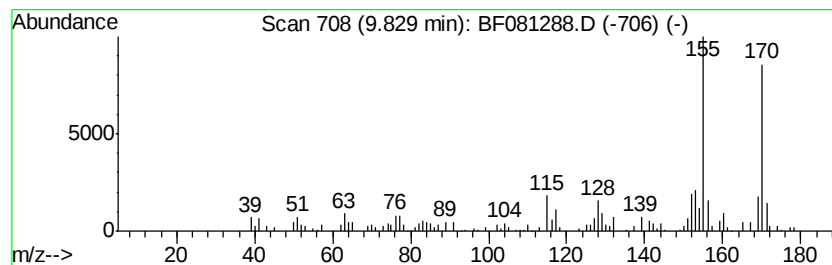
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 1,6,7-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	3.94 ng	123826	Acenaphthene-d10	9.51

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
5			Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082915\
Data File : BF081288.D
Acq On : 30 Aug 2015 00:00
Operator : UM/IZ
Sample : G3474-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

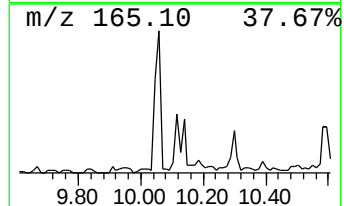
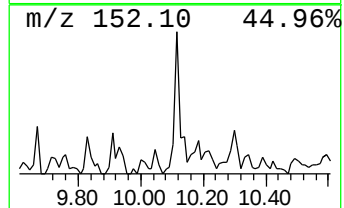
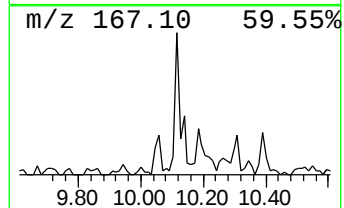
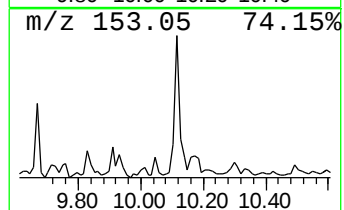
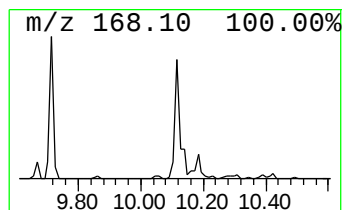
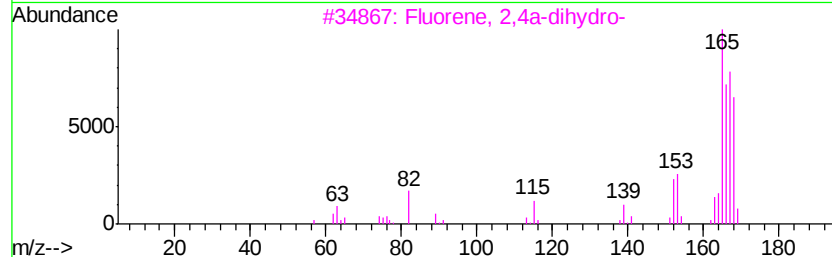
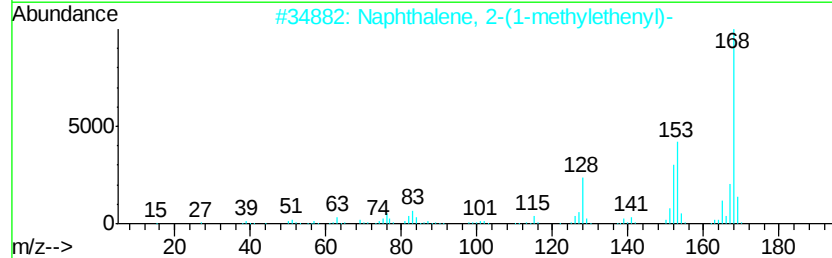
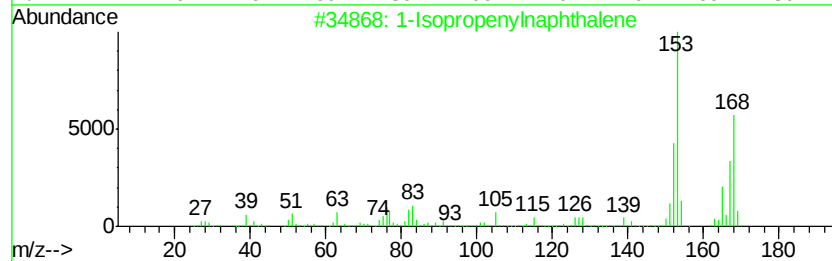
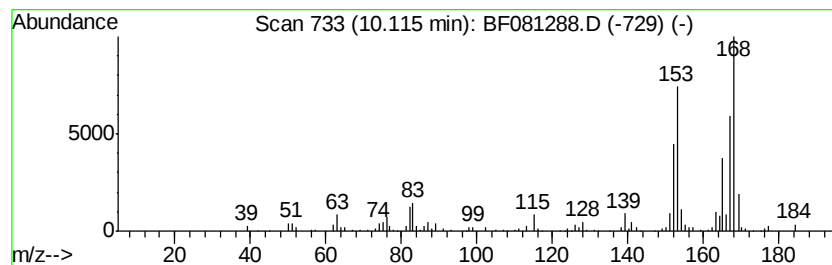
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1-Isopropenylnaphthalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.11	7.50 ng	235785	Acenaphthene-d10	9.51	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	74
2	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	64
3	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	59
4	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	58
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	55



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082915\
Data File : BF081288.D
Acq On : 30 Aug 2015 00:00
Operator : UM/IZ
Sample : G3474-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

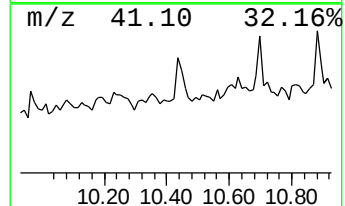
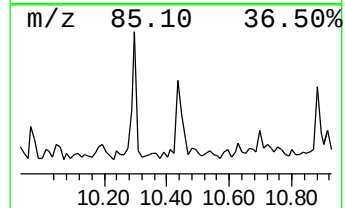
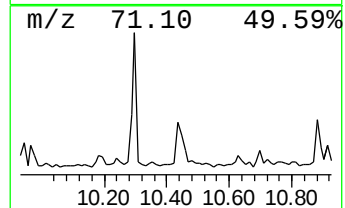
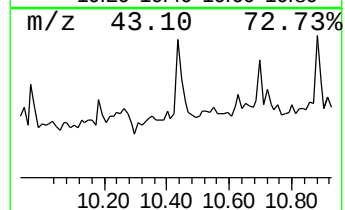
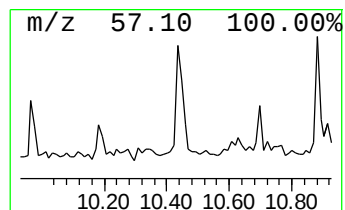
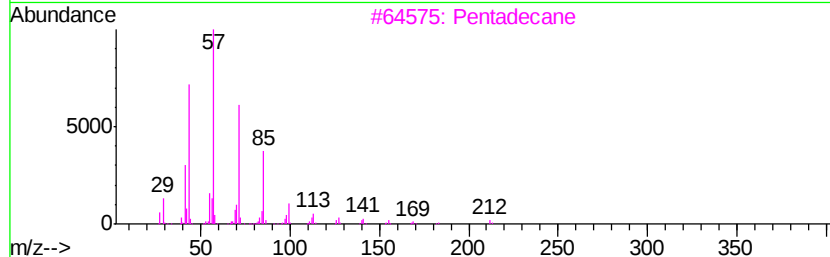
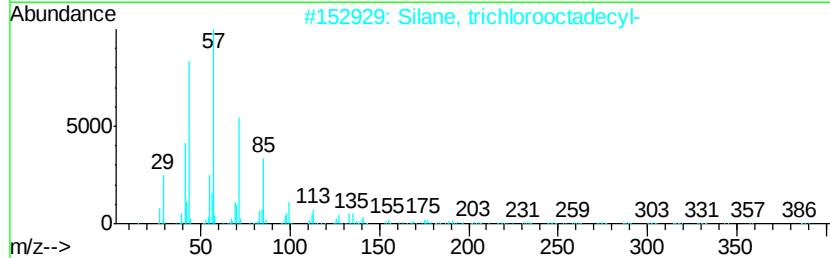
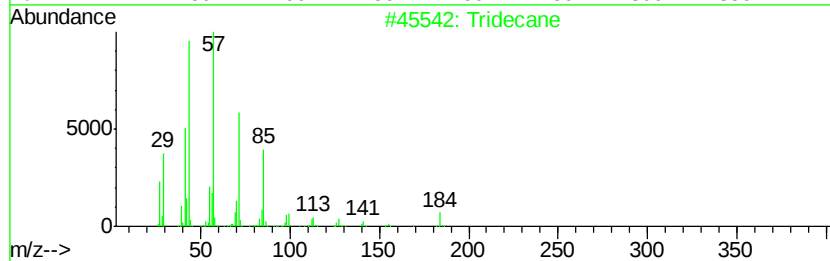
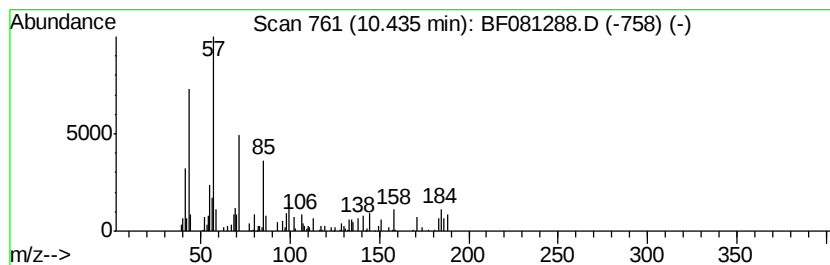
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Tridecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	2.13 ng	61928	Phenanthrene-d10	10.98
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Tridecane	184 C13H28	000629-50-5	68
2	Silane, trichlorooctadecyl-	386 C18H37Cl3Si	000112-04-9	53
3	Pentadecane	212 C15H32	000629-62-9	50
4	Octacosane	394 C28H58	000630-02-4	50
5	5,5-Dibutylnonane	240 C17H36	006008-17-9	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082915\
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Acq On : 30 Aug 2015 00:00
Operator : UM/IZ
Sample : G3474-01
Misc :
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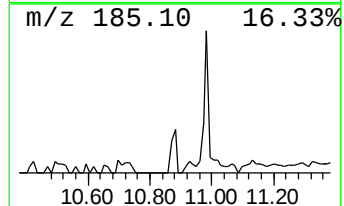
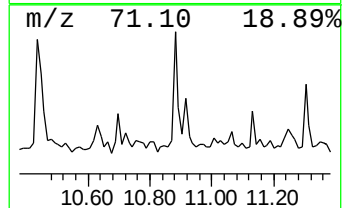
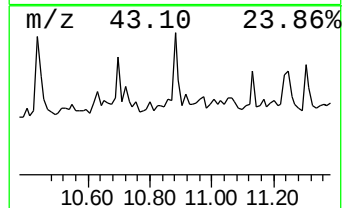
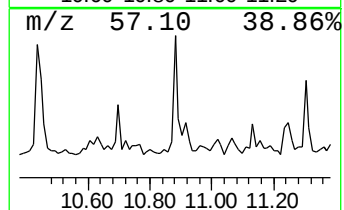
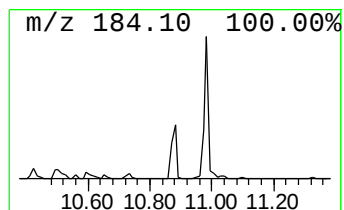
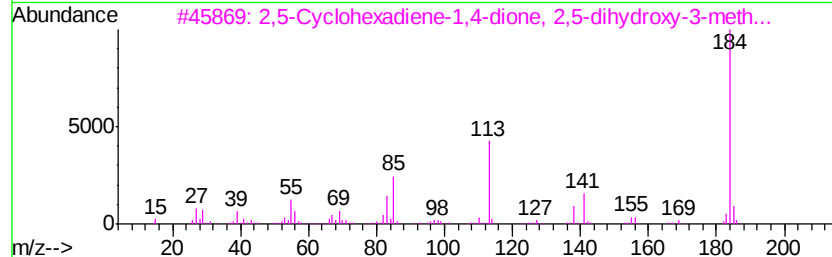
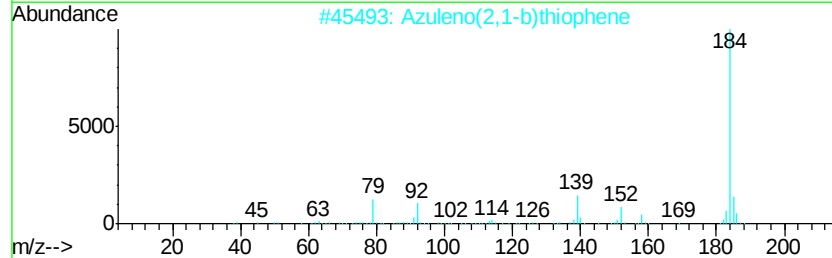
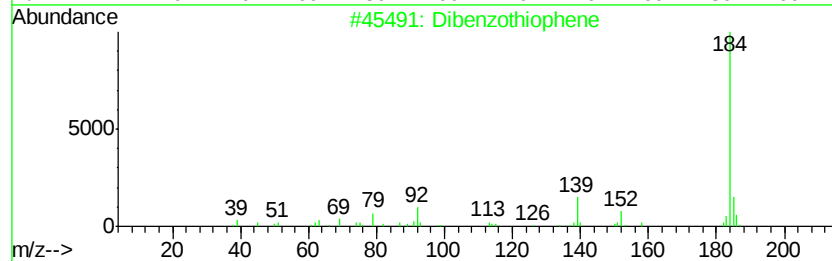
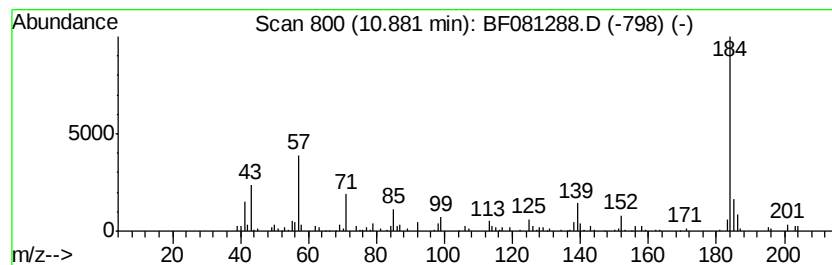
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	2.96 ng	86195	Phenanthrene-d10	10.98
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dibenzothiophene	184 C12H8S	000132-65-0 87
2		Azuleno(2,1-b)thiophene	184 C12H8S	000248-13-5 80
3		2,5-Cyclohexadiene-1,4-dione, 2,...	184 C8H8O5	000085-23-4 72
4		1,1'-Biphenyl, 2-methoxy-	184 C13H12O	000086-26-0 64
5		Thieno[2,3-d]thiazole, 2-amino-4...	184 C7H8N2S2	054489-97-3 59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082915\
Data File : BF081288.D
Acq On : 30 Aug 2015 00:00
Operator : UM/IZ
Sample : G3474-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-01

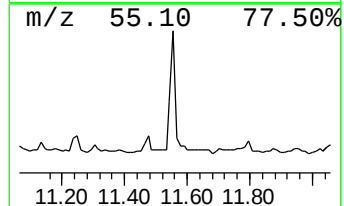
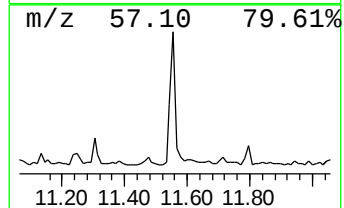
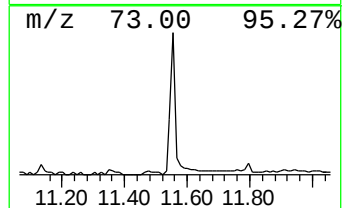
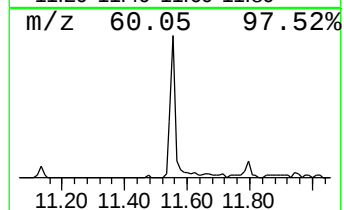
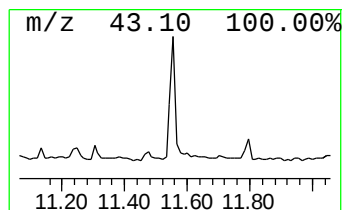
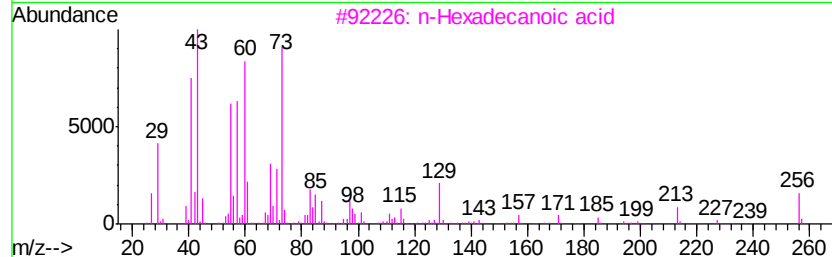
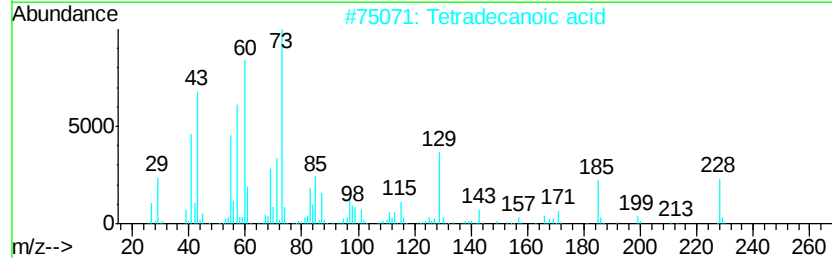
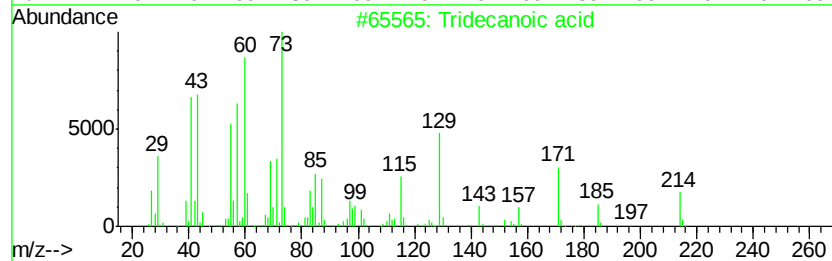
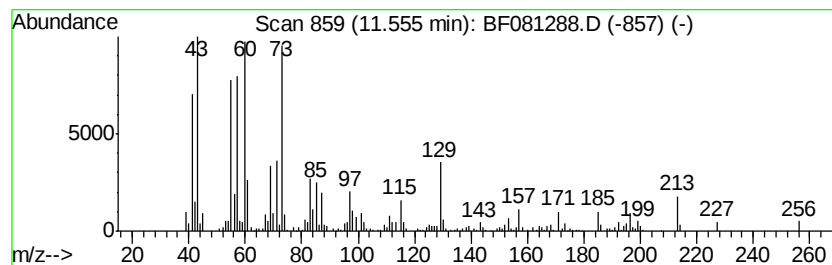
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Tridecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	9.09 ng	264408	Phenanthrene-d10	10.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecanoic acid	214	C13H26O2	000638-53-9	93
2		Tetradecanoic acid	228	C14H28O2	000544-63-8	83
3		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
4		Pentadecanoic acid	242	C15H30O2	001002-84-2	80
5		Undecanoic acid	186	C11H22O2	000112-37-8	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082915\
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Acq On : 30 Aug 2015 00:00
Operator : UM/IZ
Sample : G3474-01
Misc :
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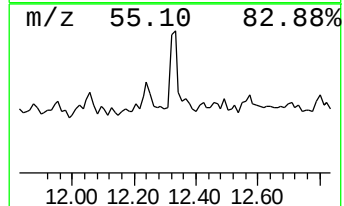
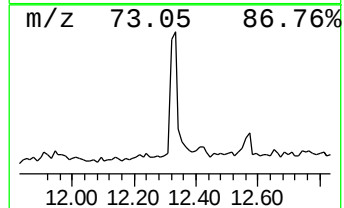
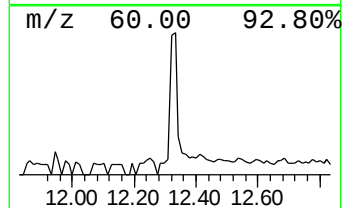
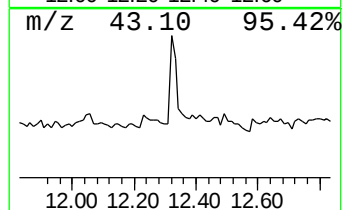
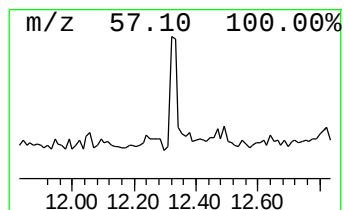
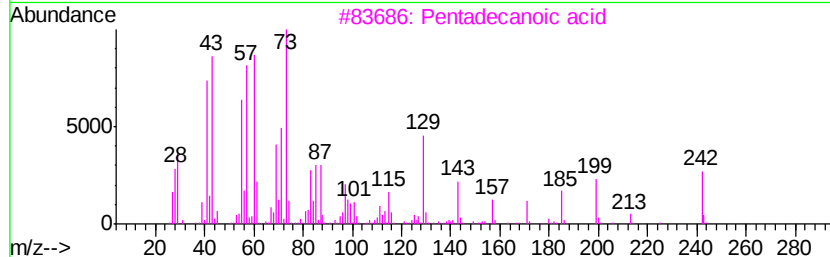
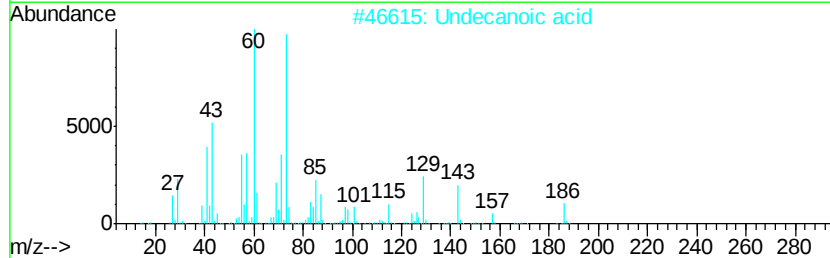
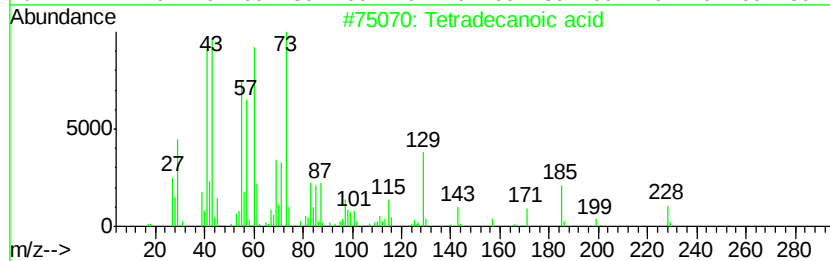
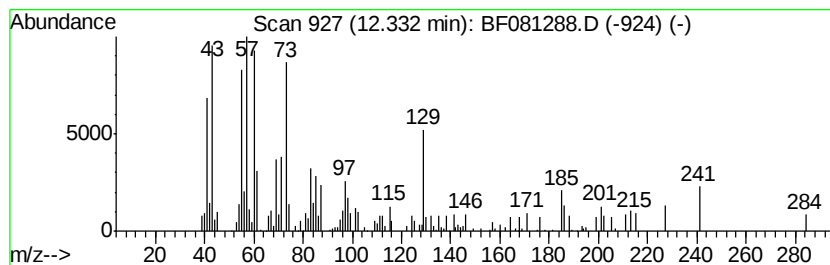
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Tetradecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.33	3.65 ng	90217	Chrysene-d12		13.59
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
2	Undecanoic acid	186	C11H22O2	000112-37-8	70
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	50
5	Tridecanoic acid	214	C13H26O2	000638-53-9	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082915\
Data File : BF081288.D
Acq On : 30 Aug 2015 00:00
Operator : UM/IZ
Sample : G3474-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-01

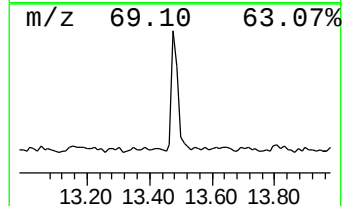
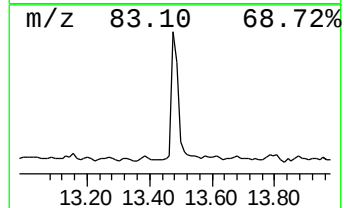
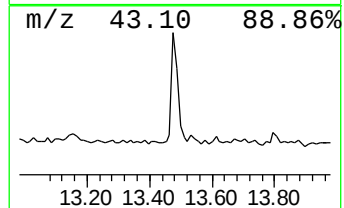
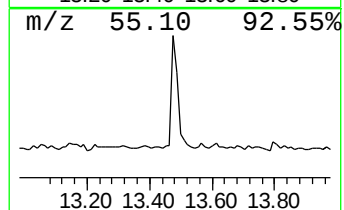
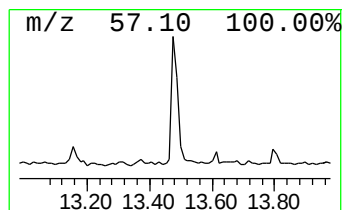
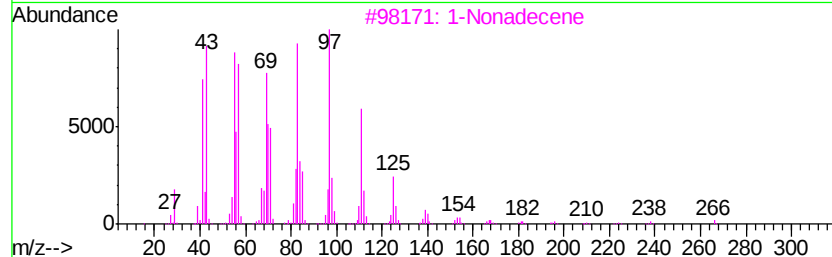
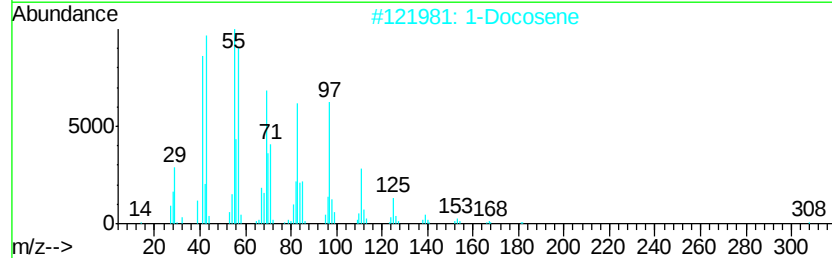
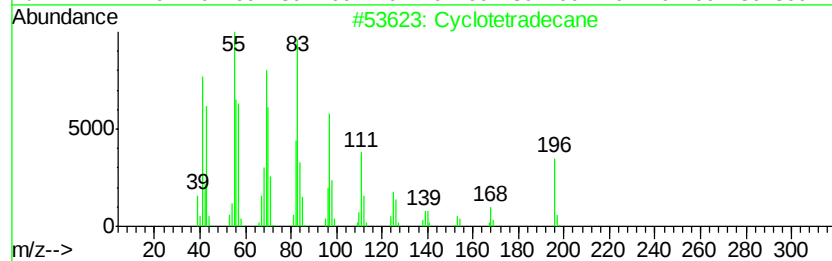
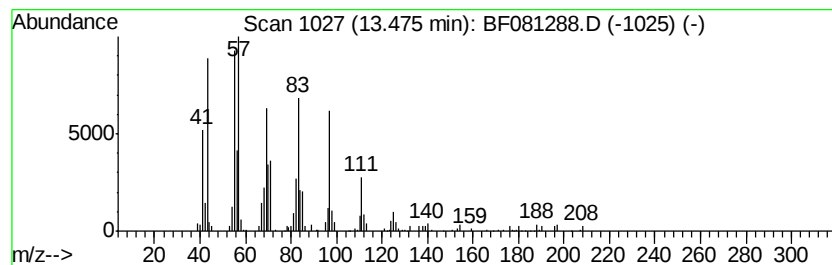
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Cyclotetradecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	5.75 ng	142216	Chrysene-d12	13.59

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclotetradecane	196	C14H28	000295-17-0	95
2			1-Docosene	308	C22H44	001599-67-3	93
3			1-Nonadecene	266	C19H38	018435-45-5	91
4			3-Eicosene, (E)-	280	C20H40	074685-33-9	91
5			Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082915\
Data File : BF081288.D
Acq On : 30 Aug 2015 00:00
Operator : UM/IZ
Sample : G3474-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

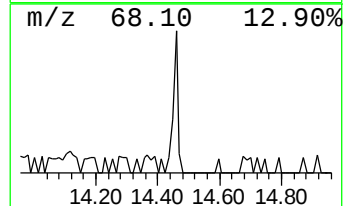
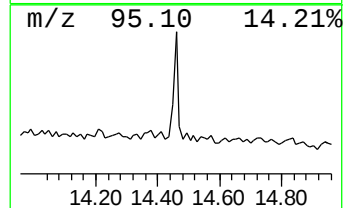
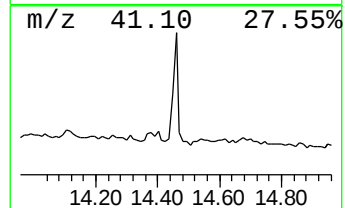
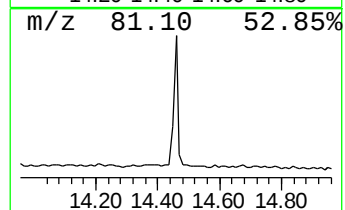
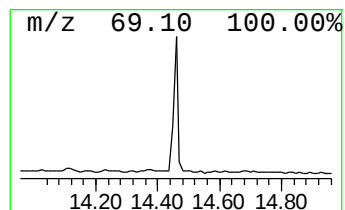
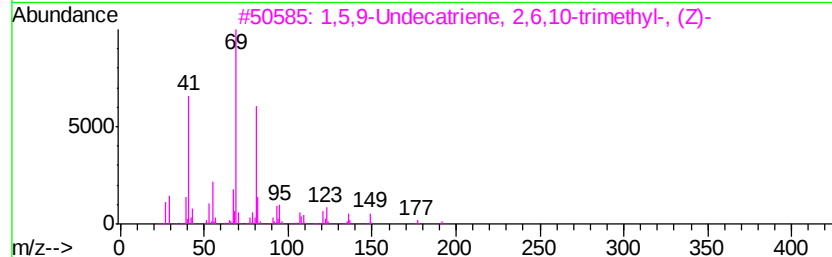
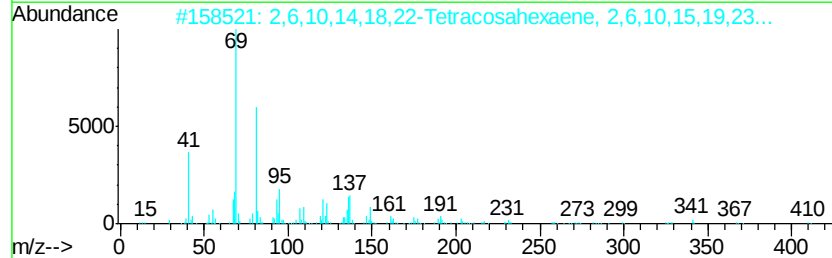
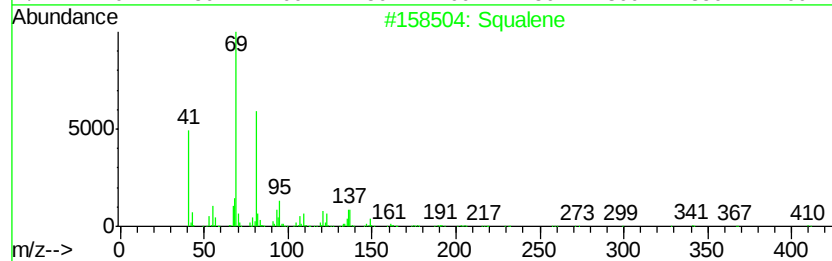
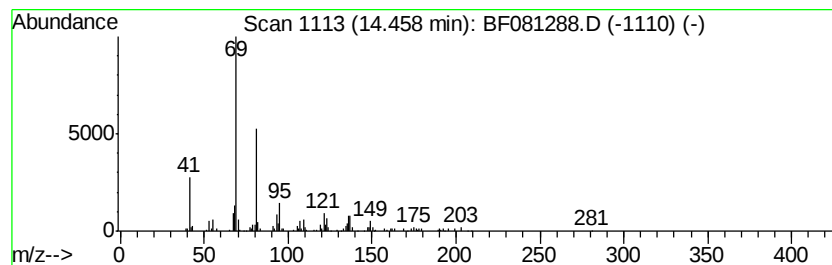
Instrument :
BNA_F
ClientSampleId :
MW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Squalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	5.27 ng	96098	Perylene-d12	14.92
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Squalene	410 C30H50	007683-64-9	91
2	2,6,10,14,18,22-Tetracosahexaene...	410 C30H50	000111-02-4	90
3	1,5,9-Undecatriene, 2,6,10-trime...	192 C14H24	062951-96-6	83
4	Docosa-2,6,10,14,18-pentaen-22-a...	384 C27H44O	1000163-04-7	78
5	7,11-Dimethyldodeca-2,6,10-trien...	208 C14H24O	125529-10-4	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082915\
 Data File : BF081288.D
 Acq On : 30 Aug 2015 00:00
 Operator : UM/IZ
 Sample : G3474-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.56	20.9	ng	419403	1	6.48	402092	20.0
unknown6.25	6.25	80.1	ng	1610450	1	6.48	402092	20.0
unknown6.66	6.66	3.0	ng	60965	1	6.48	402092	20.0
Benzene, 1,2,3,4-...	7.27	2.2	ng	65033	2	7.77	584632	20.0
Benzene, 2-etheny...	7.51	2.4	ng	70623	2	7.77	584632	20.0
Benzo[b]thiophene...	8.24	5.2	ng	151885	2	7.77	584632	20.0
Benzo[b]thiophene...	8.43	3.5	ng	103563	2	7.77	584632	20.0
Naphthalene, 2-me...	8.57	11.1	ng	323847	2	7.77	584632	20.0
Benzo[b]thiophene...	9.11	2.9	ng	90029	3	9.51	629093	20.0
Naphthalene, 1,3-...	9.18	3.7	ng	116372	3	9.51	629093	20.0
Naphthalene, 1,2-...	9.37	7.7	ng	241963	3	9.51	629093	20.0
Naphthalene, 1,6,...	9.83	3.9	ng	123826	3	9.51	629093	20.0
1-Isopropenyl naph...	10.11	7.5	ng	235785	3	9.51	629093	20.0
Tridecane	10.43	2.1	ng	61928	4	10.98	581924	20.0
Dibenzothiophene	10.88	3.0	ng	86195	4	10.98	581924	20.0
Tridecanoic acid	11.56	9.1	ng	264408	4	10.98	581924	20.0
Tetradecanoic acid	12.33	3.6	ng	90217	5	13.59	494374	20.0
Cyclotetradecane	13.48	5.8	ng	142216	5	13.59	494374	20.0
Squalene	14.46	5.3	ng	96098	6	14.92	364637	20.0