

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122815\
 Data File : BF084160.D
 Acq On : 28 Dec 2015 17:22
 Operator : UM/SJ
 Sample : G4960-05 25X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-300(16.0-16.5)

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-BF122415.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	5.916	333	335	338	rVB2	106056	127994	4.06%	0.149%
2	6.019	342	344	347	rVB2	238554	259047	8.21%	0.302%
3	6.213	358	361	364	rBV2	102512	200958	6.37%	0.234%
4	6.304	368	369	373	rVB2	136862	207967	6.59%	0.242%
5	6.373	373	375	377	rBV	115878	112012	3.55%	0.131%
6	6.442	377	381	383	rBV4	93487	127754	4.05%	0.149%
7	6.522	386	388	390	rBV2	143299	268705	8.52%	0.313%
8	6.556	390	391	394	rVB3	134610	154855	4.91%	0.180%
9	6.750	399	408	409	rBV5	99439	341036	10.81%	0.397%
10	6.785	409	411	412	rBV	253036	435506	13.81%	0.507%
11	6.807	412	413	414	rVB	392822	269476	8.54%	0.314%
12	6.842	414	416	418	rBV	146859	186230	5.90%	0.217%
13	6.910	418	422	423	rBV2	105212	249744	7.92%	0.291%
14	6.933	423	424	426	rVB2	289161	272478	8.64%	0.318%
15	7.070	428	436	437	rBV4	309392	754451	23.92%	0.879%
16	7.105	437	439	440	rBV2	190134	219673	6.96%	0.256%
17	7.173	443	445	451	rVB4	380578	526287	16.68%	0.613%
18	7.265	451	453	455	rBV3	61249	148457	4.71%	0.173%
19	7.322	455	458	460	rBV2	543327	815529	25.85%	0.950%
20	7.367	460	462	465	rVB3	282324	430867	13.66%	0.502%
21	7.436	465	468	470	rVB3	332760	551736	17.49%	0.643%
22	7.505	470	474	476	rBV4	353023	719052	22.80%	0.838%
23	7.585	476	481	484	rVB4	452639	1199424	38.02%	1.398%
24	7.630	484	485	486	rBV	132167	116546	3.69%	0.136%
25	7.699	488	491	494	rBV4	370821	1028307	32.60%	1.198%
26	7.756	494	496	498	rBV3	361045	467501	14.82%	0.545%
27	7.813	498	501	502	rBV	418601	539847	17.11%	0.629%
28	7.836	502	503	506	rVB3	279614	400026	12.68%	0.466%
29	7.893	506	508	510	rBV2	318241	460925	14.61%	0.537%
30	7.939	510	512	517	rBV3	246057	668064	21.18%	0.778%
31	8.065	517	523	525	rBV4	1009846	2364595	74.96%	2.755%
32	8.122	527	528	529	rVB	363511	249369	7.91%	0.291%
33	8.145	529	530	533	rVB2	1116616	1041097	33.00%	1.213%
34	8.202	533	535	536	rVB2	244952	307833	9.76%	0.359%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.236	536	538	539	rBV2	251560	413036	13.09%	0.481%
36	8.282	540	542	543	rVB2	373609	392060	12.43%	0.457%
37	8.316	543	545	546	rBV2	101825	134259	4.26%	0.156%
38	8.373	546	550	551	rVB4	573526	1026401	32.54%	1.196%
39	8.396	551	552	554	rBV2	145282	228079	7.23%	0.266%
40	8.465	556	558	559	rVB	493719	526382	16.69%	0.613%
41	8.510	559	562	564	rBV	1655327	1994014	63.21%	2.324%
42	8.545	564	565	566	rVB	535679	367476	11.65%	0.428%
43	8.579	566	568	570	rBV2	610273	834717	26.46%	0.973%
44	8.625	570	572	574	rVB2	175376	326800	10.36%	0.381%
45	8.670	574	576	577	rBV2	319473	452202	14.34%	0.527%
46	8.773	583	585	588	rVB2	856936	1553779	49.26%	1.811%
47	8.830	588	590	591	rBV2	210350	384776	12.20%	0.448%
48	8.888	592	595	600	rVV3	1431979	2521114	79.92%	2.938%
49	8.990	600	604	605	rVV3	583711	1137318	36.05%	1.325%
50	9.025	605	607	608	rVV	262448	335067	10.62%	0.390%
51	9.105	612	614	618	rVV2	1368868	1987101	62.99%	2.316%
52	9.253	623	627	628	rVV2	630498	1442586	45.73%	1.681%
53	9.299	628	631	634	rVV2	746487	2007786	63.65%	2.340%
54	9.345	634	635	639	rVV	745521	1413226	44.80%	1.647%
55	9.425	639	642	644	rVV	1574917	2711659	85.96%	3.160%
56	9.493	644	648	649	rVV	2043967	3154400	100.00%	3.676%
57	9.516	649	650	653	rVV2	1273277	2775668	87.99%	3.234%
58	9.562	653	654	657	rVV2	1967132	2655210	84.17%	3.094%
59	9.608	657	658	662	rVV2	991713	1725389	54.70%	2.011%
60	9.688	664	665	668	rVV3	601067	1187658	37.65%	1.384%
61	9.745	668	670	671	rVV	690810	817690	25.92%	0.953%
62	9.779	671	673	674	rVV2	275446	445114	14.11%	0.519%
63	9.825	674	677	679	rVV4	862991	1929718	61.18%	2.249%
64	9.871	679	681	682	rVV2	676843	985250	31.23%	1.148%
65	9.939	685	687	689	rVV	1148141	1620207	51.36%	1.888%
66	9.985	689	691	693	rVV3	337878	825298	26.16%	0.962%
67	10.031	693	695	697	rVV2	1277682	2017370	63.95%	2.351%
68	10.076	697	699	704	rVB2	1183401	2064815	65.46%	2.406%
69	10.156	704	706	707	rBV	831763	1239608	39.30%	1.444%
70	10.179	707	708	709	rVV	940702	779346	24.71%	0.908%
71	10.236	711	713	716	rVV2	724739	1568742	49.73%	1.828%

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72	10.328	716	721	723	rVB5	509212	1286484	40.78%	1.499%
73	10.373	723	725	726	rBV2	674243	881577	27.95%	1.027%
74	10.442	729	731	732	rVV	686618	850750	26.97%	0.991%
75	10.488	734	735	737	rVV	1727182	1870962	59.31%	2.180%
76	10.533	737	739	741	rVB3	489716	900885	28.56%	1.050%
77	10.602	741	745	748	rBV3	532975	1255627	39.81%	1.463%
78	10.762	756	759	761	rBV	2442527	3053186	96.79%	3.558%
79	10.819	762	764	765	rBV2	346989	338714	10.74%	0.395%
80	10.888	768	770	771	rBV	190558	222195	7.04%	0.259%
81	10.922	771	773	774	rBV	279904	419418	13.30%	0.489%
82	10.956	774	776	779	rVB3	732181	849000	26.91%	0.989%
83	11.071	784	786	789	rVV3	453232	771626	24.46%	0.899%
84	11.162	792	794	796	rVV3	195153	251953	7.99%	0.294%
85	11.219	796	799	802	rVB2	1538152	1990732	63.11%	2.320%
86	11.334	806	809	815	rBV3	498956	1210608	38.38%	1.411%
87	11.425	815	817	820	rBV4	241328	412784	13.09%	0.481%
88	11.562	827	829	833	rVB4	455644	732586	23.22%	0.854%
89	11.642	833	836	842	rVB5	361539	832808	26.40%	0.970%
90	11.722	842	843	845	rVB	132159	151887	4.82%	0.177%
91	11.814	850	851	852	rVV	498361	459319	14.56%	0.535%
92	11.848	852	854	855	rVV	343166	428300	13.58%	0.499%
93	11.928	858	861	865	rVB3	318317	762100	24.16%	0.888%
94	12.294	891	893	896	rVB2	216995	385911	12.23%	0.450%
95	12.362	896	899	900	rVV	320880	323313	10.25%	0.377%
96	12.396	900	902	905	rVB2	86093	145532	4.61%	0.170%
97	12.682	925	927	931	rVB2	66357	142675	4.52%	0.166%
98	12.762	932	934	936	rVV2	69168	114544	3.63%	0.133%
99	13.940	1036	1037	1040	rBV	217551	277736	8.80%	0.324%
100	15.368	1160	1162	1168	rVB	225482	289124	9.17%	0.337%

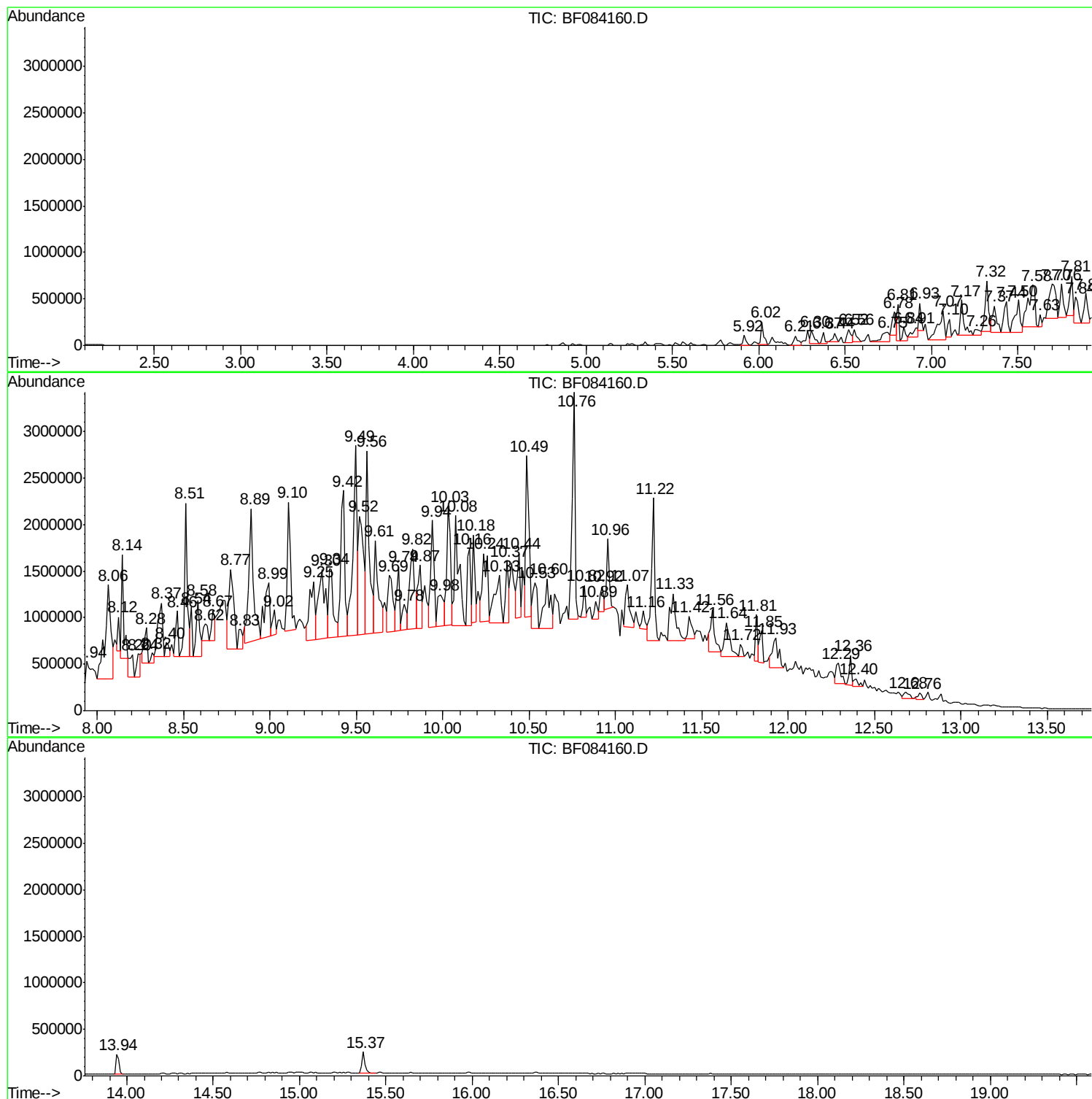
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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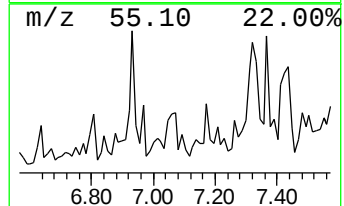
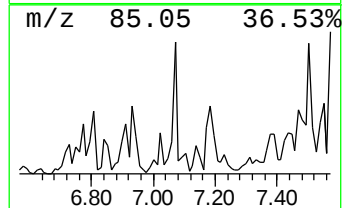
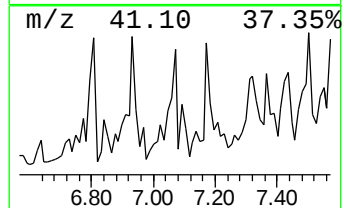
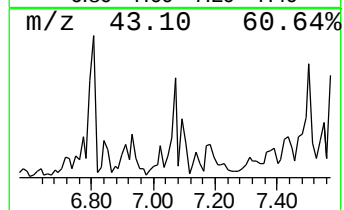
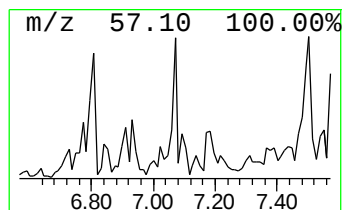
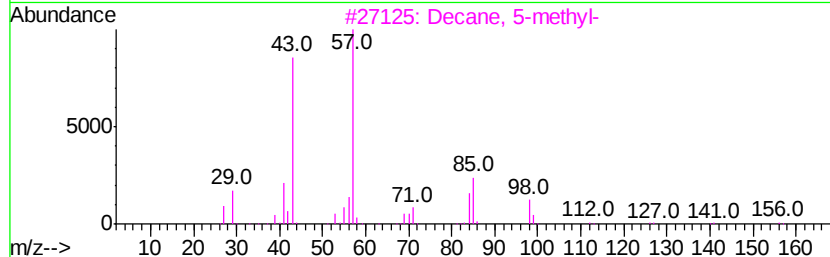
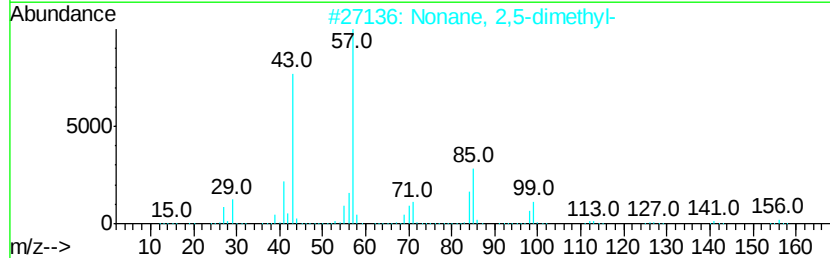
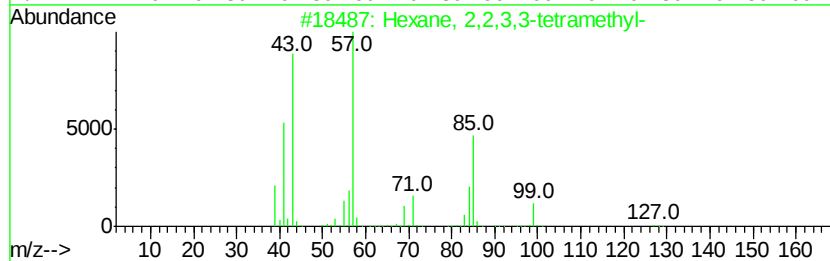
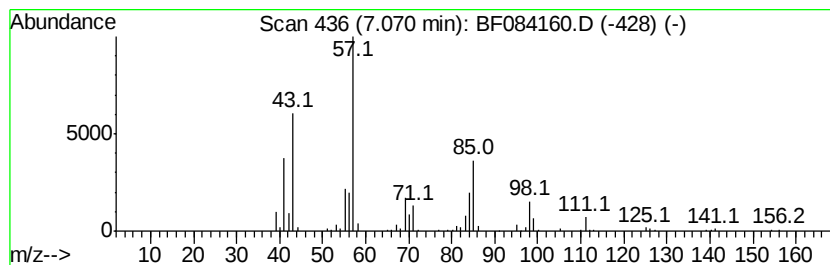
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Hexane, 2,2,3,3-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	34.65 ng	754451	1,4-Dichlorobenzene-d4	6.78

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	72
2			Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	72
3			Decane, 5-methyl-	156	C11H24	013151-35-4	64
4			Hexane, 1-(hexyloxy)-4-methyl-	200	C13H28O	074421-20-8	59
5			Heptane, 4-ethyl-	128	C9H20	002216-32-2	53



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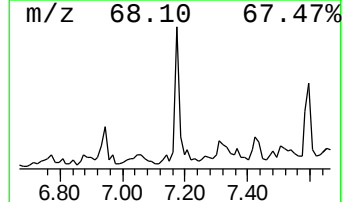
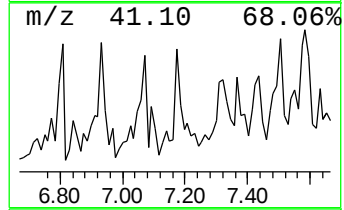
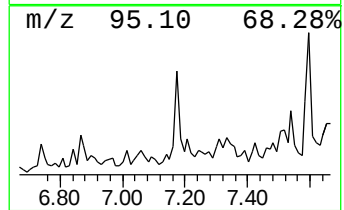
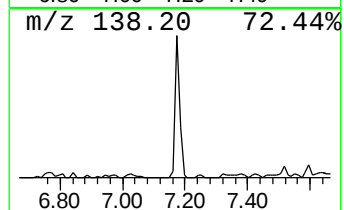
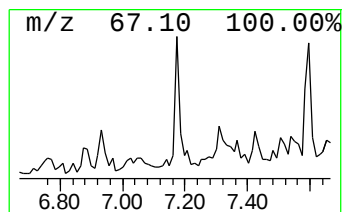
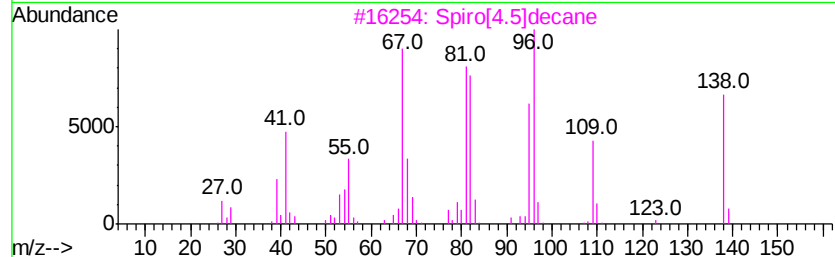
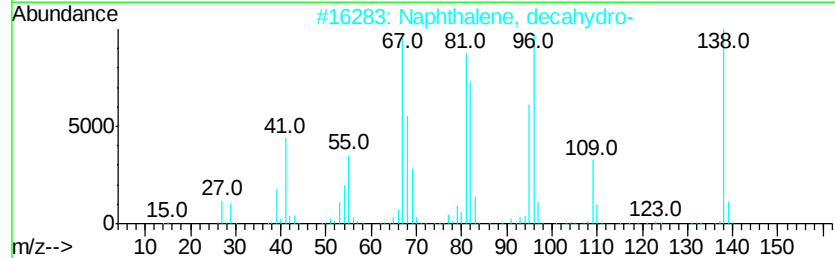
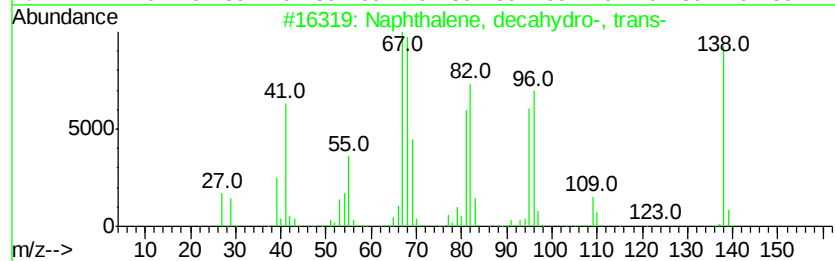
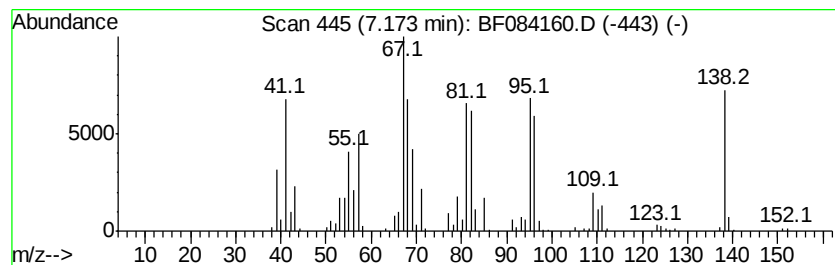
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, decahydro-, tr... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	24.17 ng	526287	1,4-Dichlorobenzene-d4	6.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	87
3		Spiro[4.5]decane	138	C10H18	000176-63-6	81
4		Spiro[4.4]nonan-2-one	138	C9H14O	034177-18-9	70
5		1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	60



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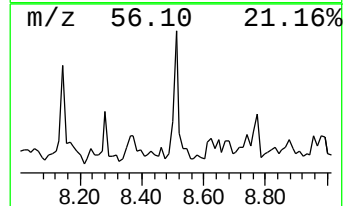
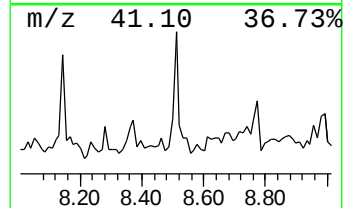
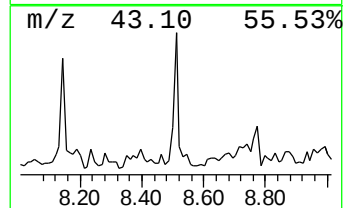
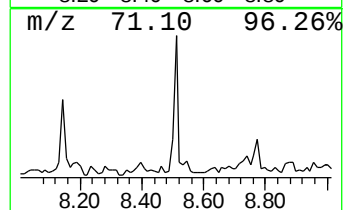
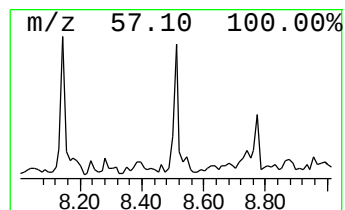
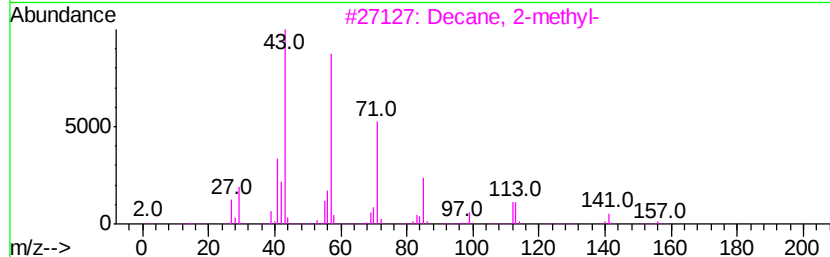
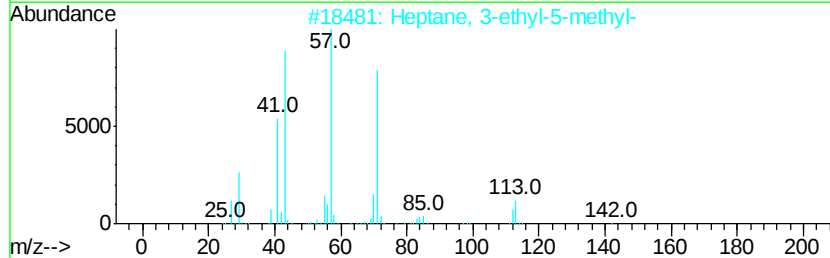
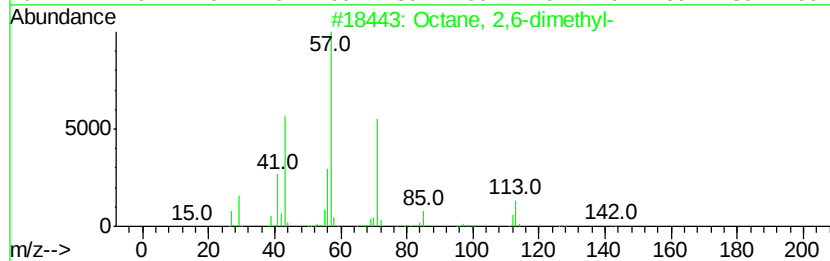
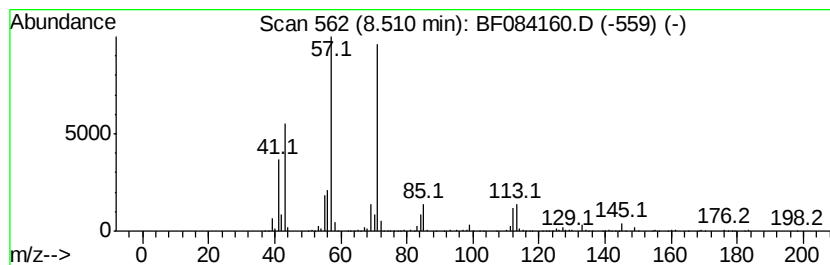
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Peak Number 3 Octane, 2,6-dimethyl- Concentration Rank 15

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8.51	16.87 ng	1994010	Naphthalene-d8	8.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
2		Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	72
3		Decane, 2-methyl-	156	C11H24	006975-98-0	72
4		Decane, 4-methyl-	156	C11H24	002847-72-5	64
5		Octane, 2-bromo-	192	C8H17Br	000557-35-7	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122815\
Data File : BF084160.D
Acq On : 28 Dec 2015 17:22
Operator : UM/SJ
Sample : G4960-05 25X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PJ-SB-300(16.0-16.5)

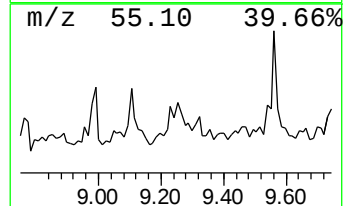
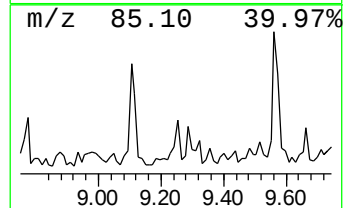
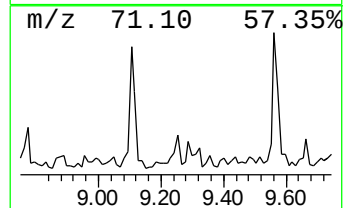
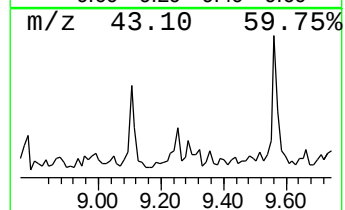
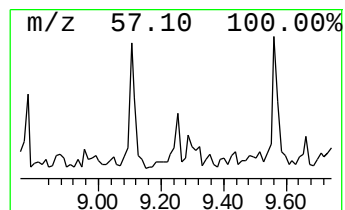
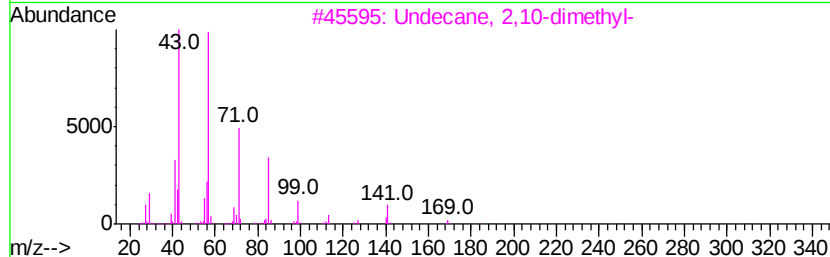
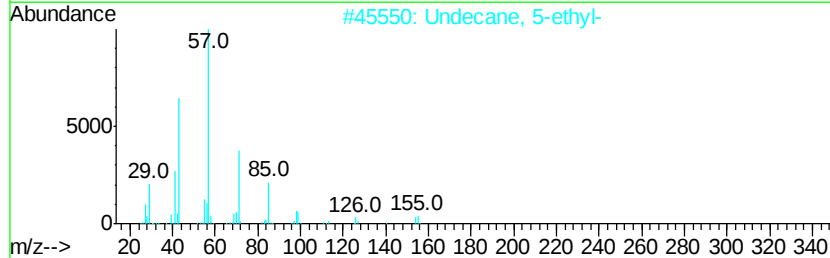
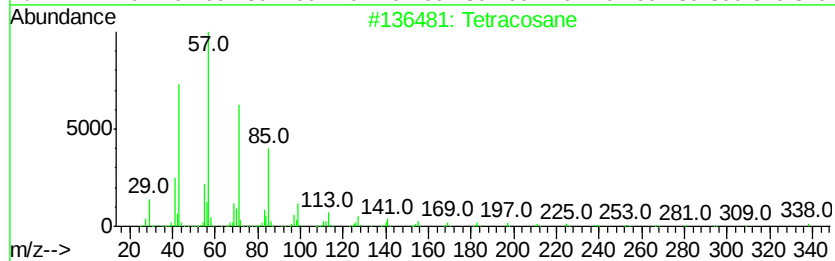
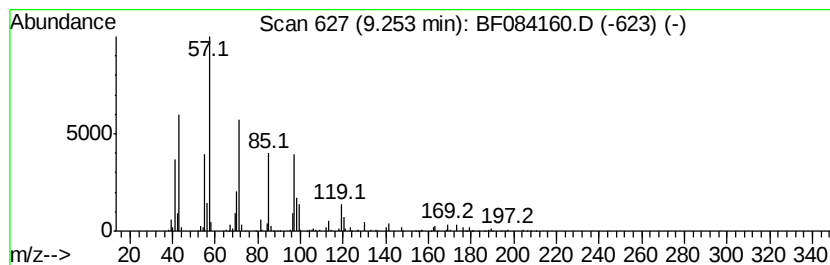
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown9.25 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	14.95 ng	1442590	Acenaphthene-d10	9.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	49
2		Undecane, 5-ethyl-	184	C13H28	017453-94-0	47
3		Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	43
4		Dodecane, 2-methyl-	184	C13H28	001560-97-0	43
5		Undecane, 2-methyl-	170	C12H26	007045-71-8	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122815\
Data File : BF084160.D
Acq On : 28 Dec 2015 17:22
Operator : UM/SJ
Sample : G4960-05 25X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PJ-SB-300(16.0-16.5)

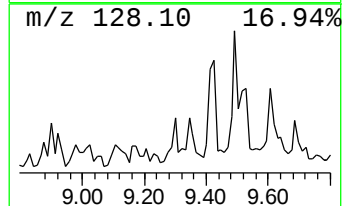
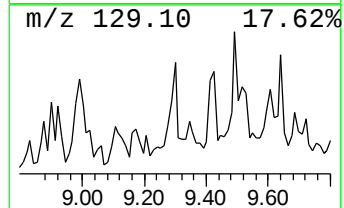
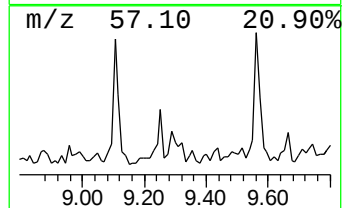
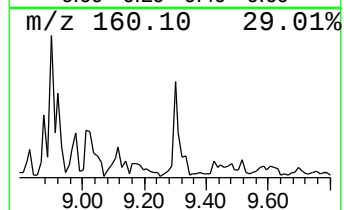
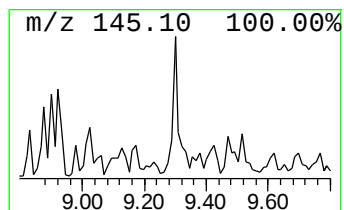
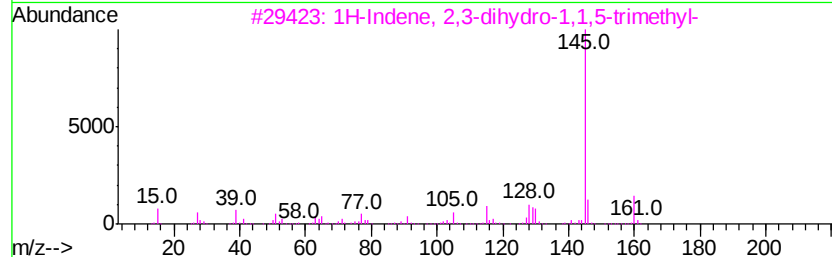
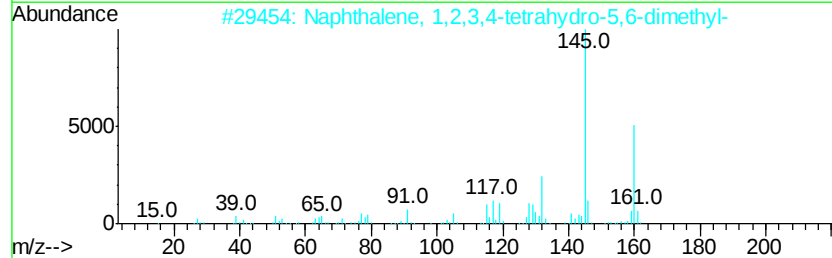
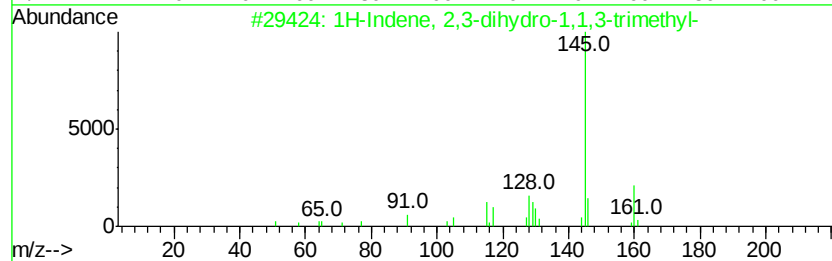
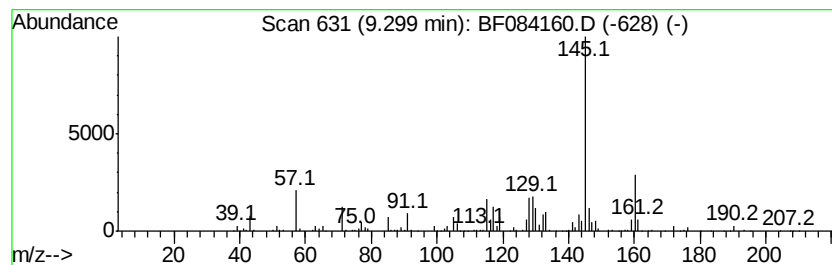
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	20.81 ng	2007790	Acenaphthene-d10	9.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	94
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	91
3		1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	87
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	87
5		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122815\
Data File : BF084160.D
Acq On : 28 Dec 2015 17:22
Operator : UM/SJ
Sample : G4960-05 25X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PJ-SB-300(16.0-16.5)

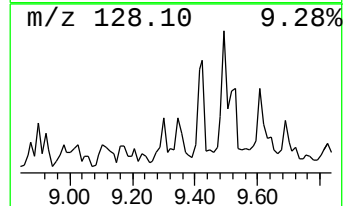
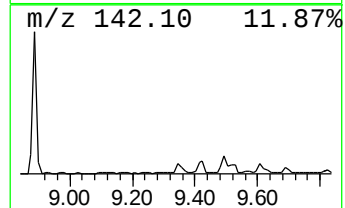
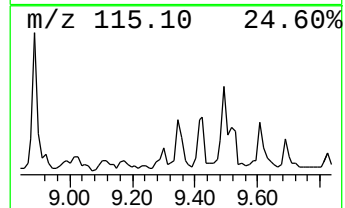
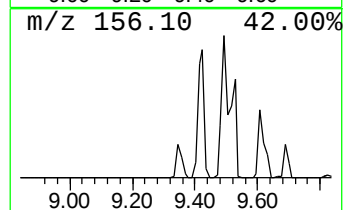
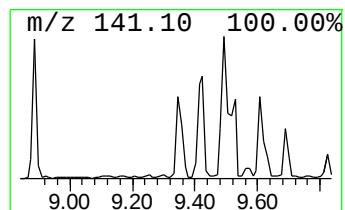
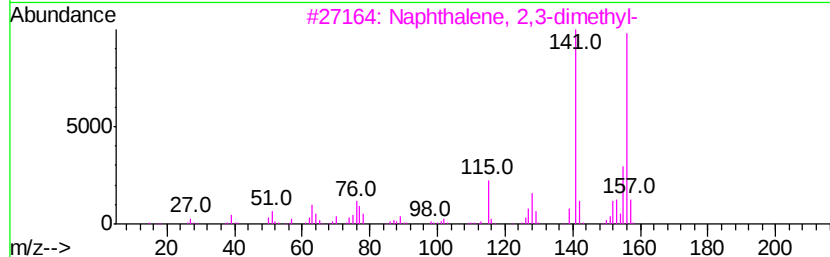
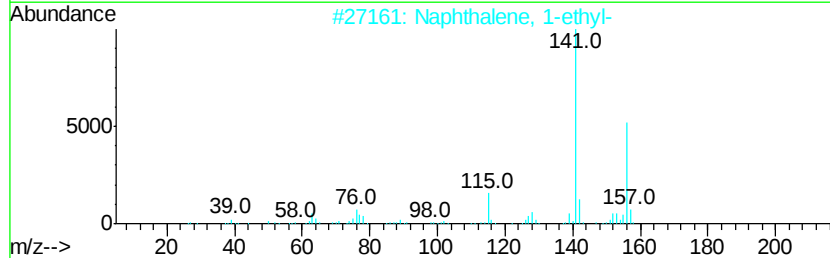
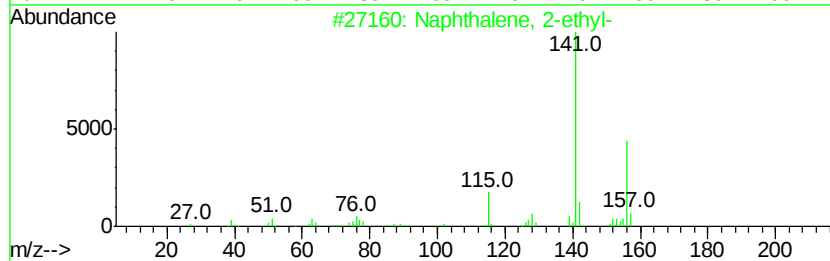
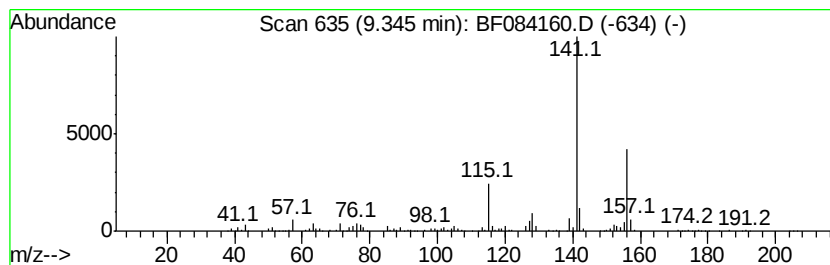
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 2-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	14.65 ng	1413230	Acenaphthene-d10	9.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
2		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	72
4		Butethal	212	C10H16N2O3	000077-28-1	59
5		2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122815\
Data File : BF084160.D
Acq On : 28 Dec 2015 17:22
Operator : UM/SJ
Sample : G4960-05 25X
Misc :
ALS Vial : 7 Sample Multiplier: 1

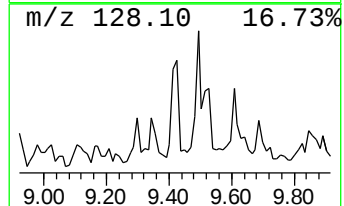
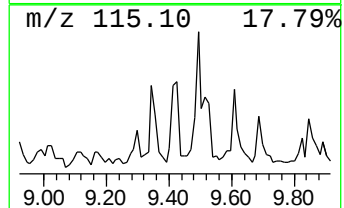
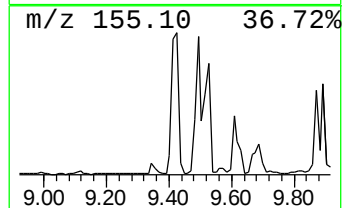
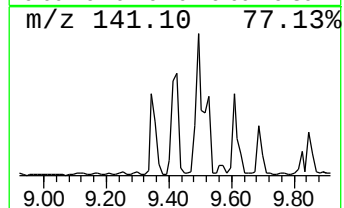
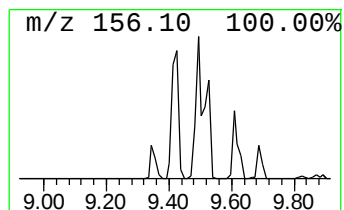
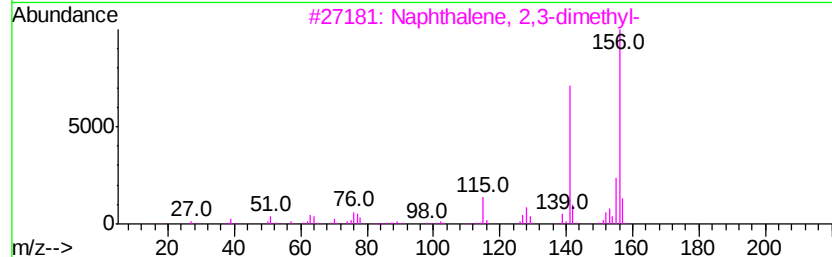
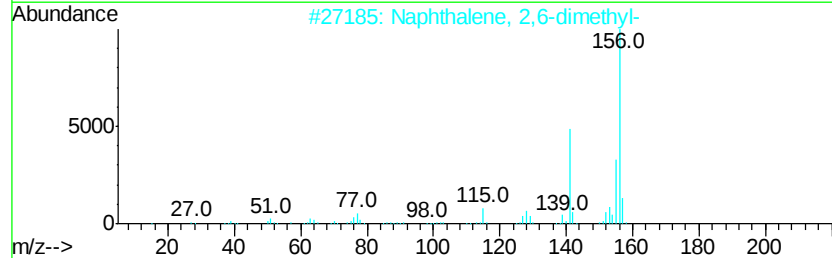
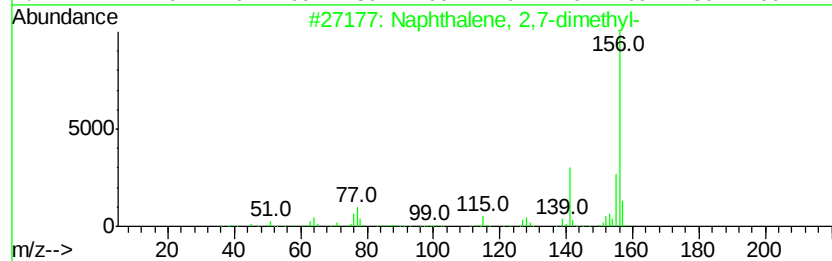
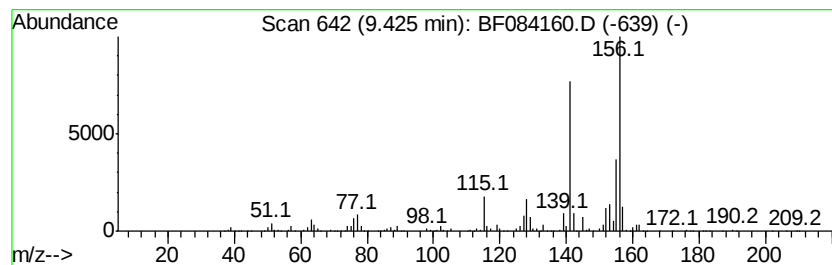
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ClientSampleId :
PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2,7-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.42	28.10 ng	2711660	Acenaphthene-d10	9.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122815\
Data File : BF084160.D
Acq On : 28 Dec 2015 17:22
Operator : UM/SJ
Sample : G4960-05 25X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PJ-SB-300(16.0-16.5)

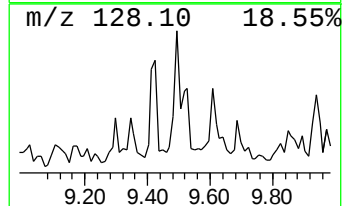
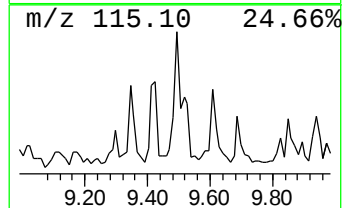
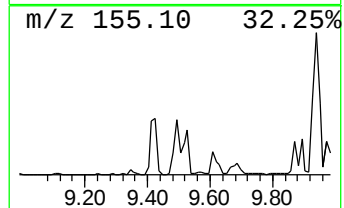
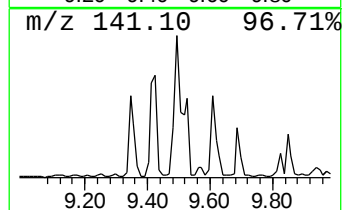
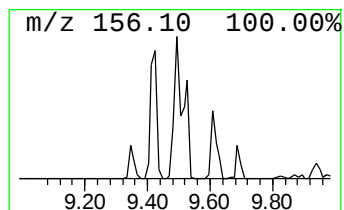
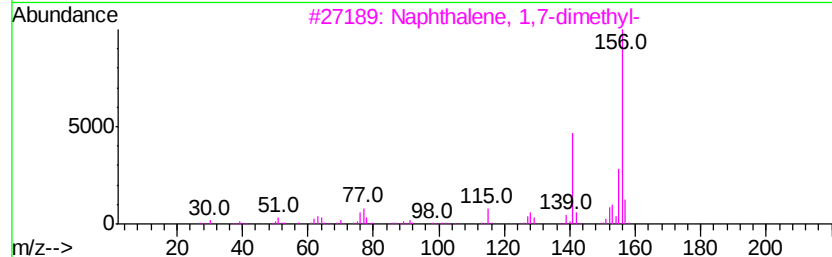
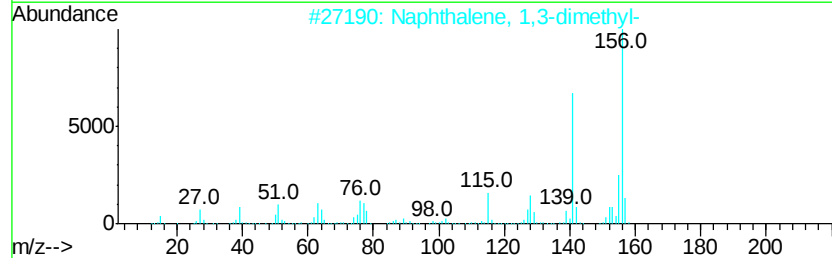
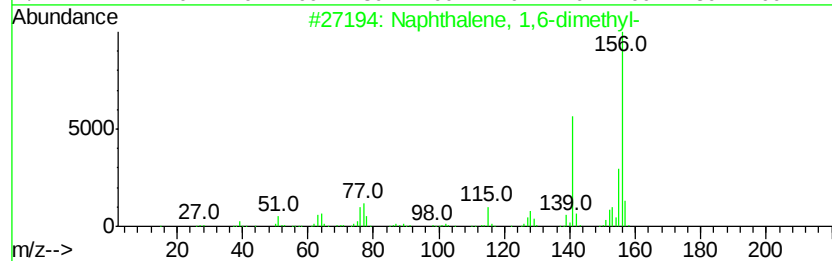
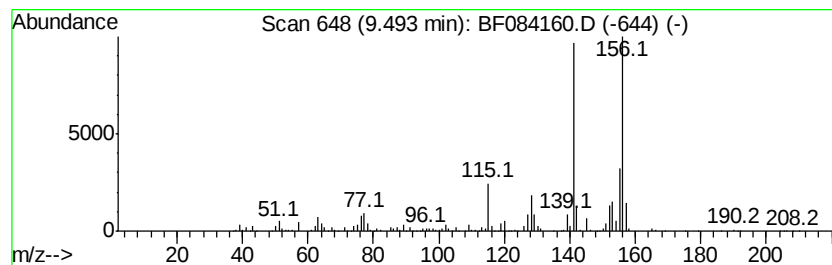
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	32.69 ng	3154400	Acenaphthene-d10	9.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122815\
Data File : BF084160.D
Acq On : 28 Dec 2015 17:22
Operator : UM/SJ
Sample : G4960-05 25X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PJ-SB-300(16.0-16.5)

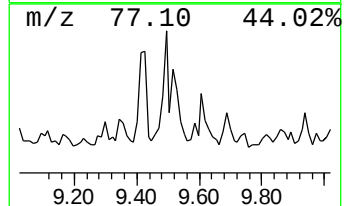
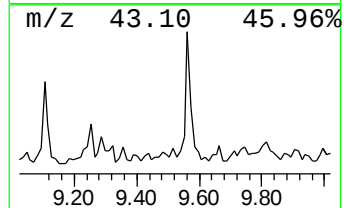
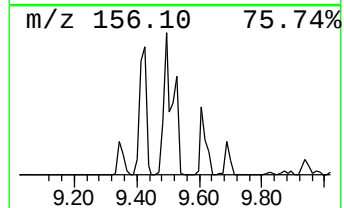
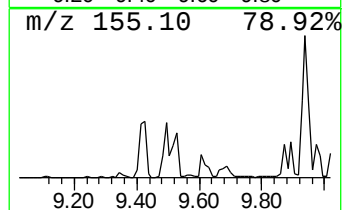
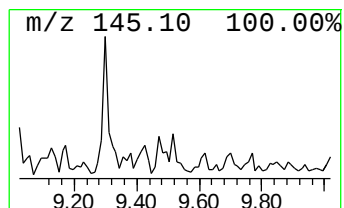
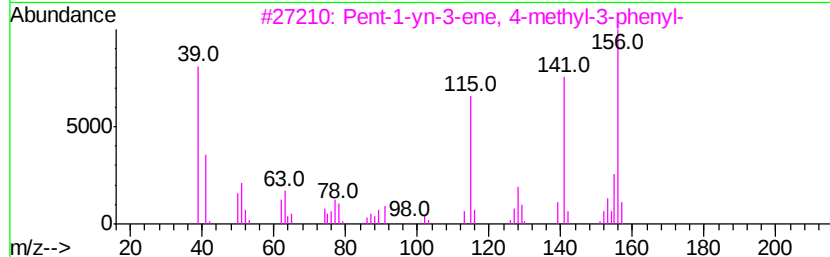
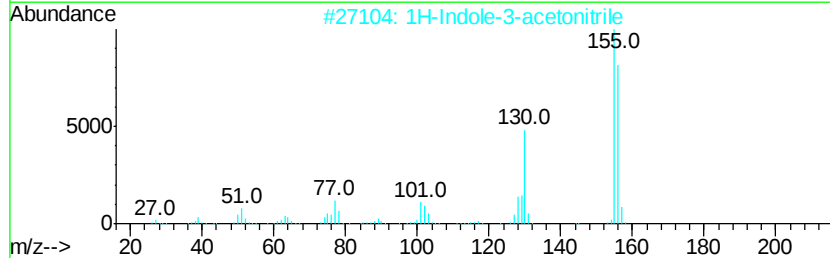
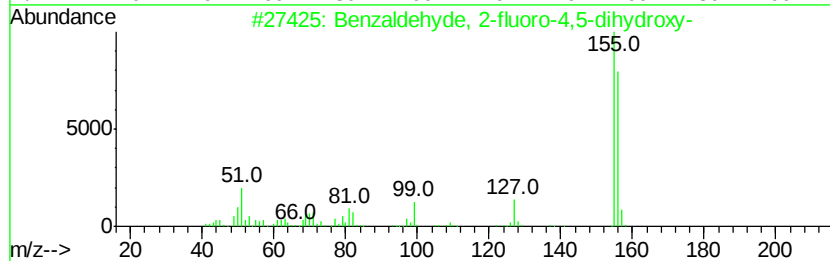
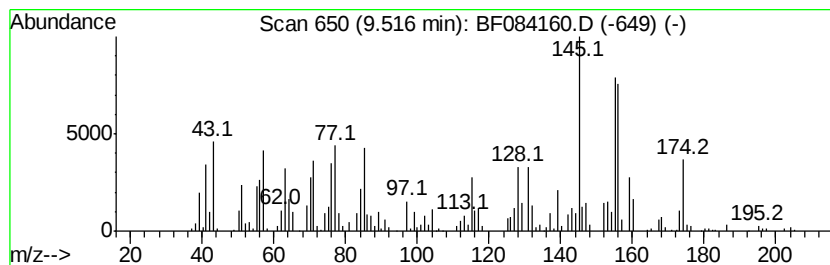
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown9.52 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	28.77 ng	2775670	Acenaphthene-d10	9.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzaldehyde, 2-fluoro-4,5-dihyd...	156	C7H5F03	071144-36-0	30
2		1H-Indole-3-acetonitrile	156	C10H8N2	000771-51-7	30
3		Pent-1-yn-3-ene, 4-methyl-3-phenyl-	156	C12H12	065050-80-8	25
4		Benzaldehyde, 5-chloro-2-hydroxy-	156	C7H5Cl02	000635-93-8	18
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001985-59-7	15



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122815\
Data File : BF084160.D
Acq On : 28 Dec 2015 17:22
Operator : UM/SJ
Sample : G4960-05 25X
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ALS Vial : 7 Sample Multiplier: 1

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ClientSampleId :
PJ-SB-300(16.0-16.5)

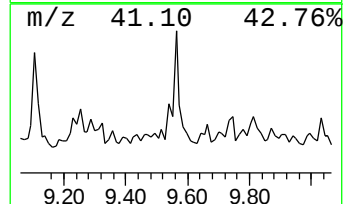
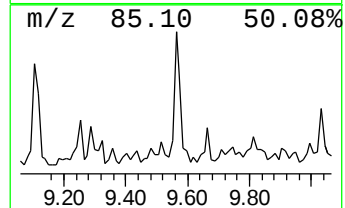
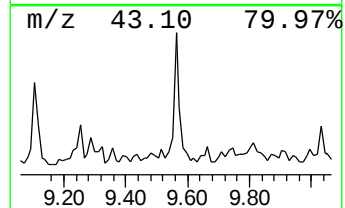
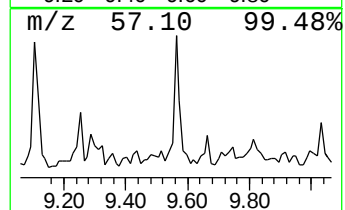
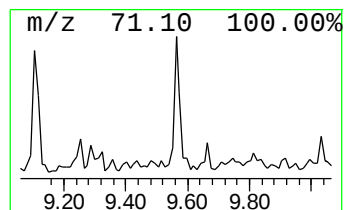
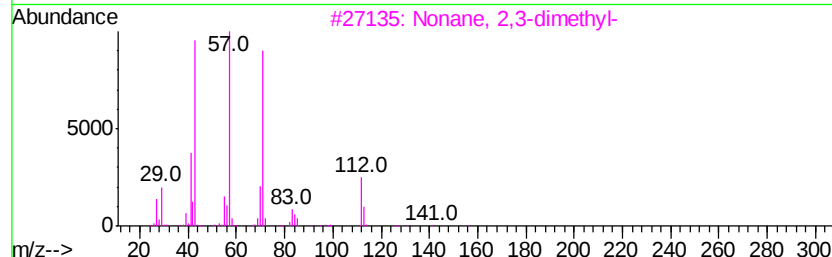
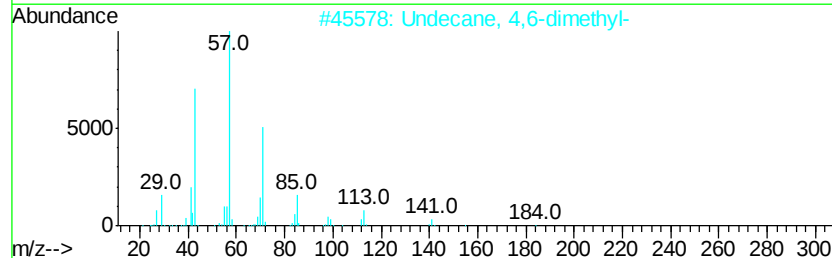
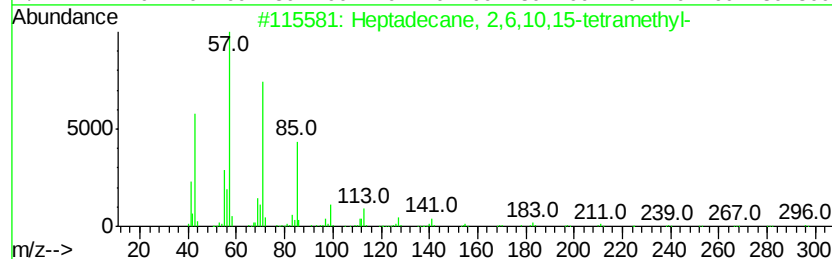
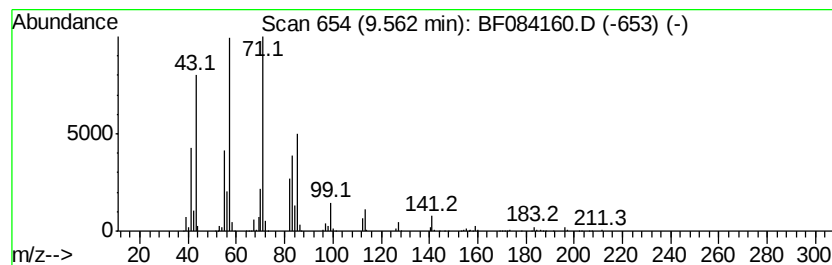
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Heptadecane, 2,6,10,15-tetr... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	27.52 ng	2655210	Acenaphthene-d10	9.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	62
2		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	53
3		Nonane, 2,3-dimethyl-	156	C11H24	002884-06-2	49
4		Tetradecane	198	C14H30	000629-59-4	49
5		Hexadecane	226	C16H34	000544-76-3	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122815\
Data File : BF084160.D
Acq On : 28 Dec 2015 17:22
Operator : UM/SJ
Sample : G4960-05 25X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PJ-SB-300(16.0-16.5)

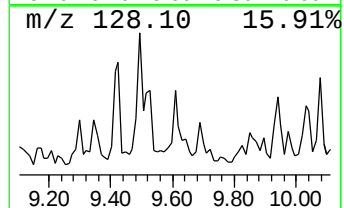
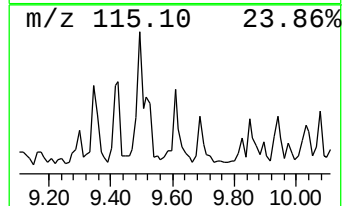
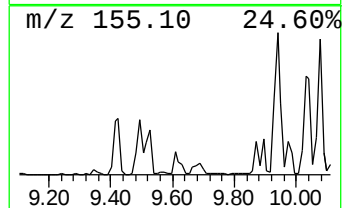
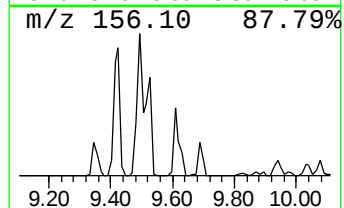
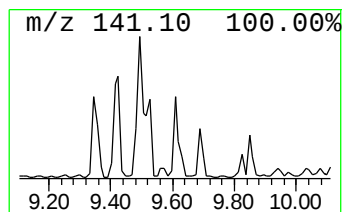
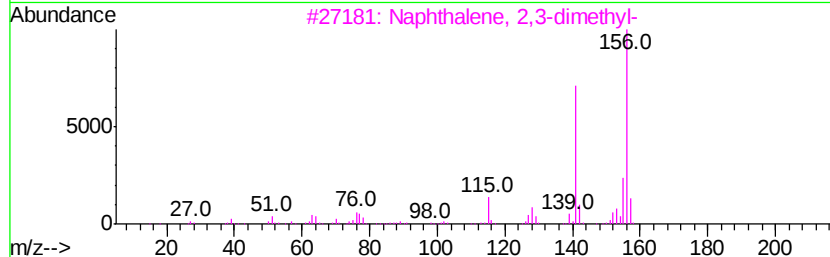
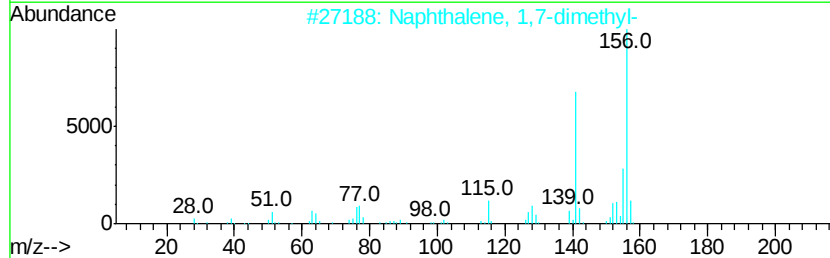
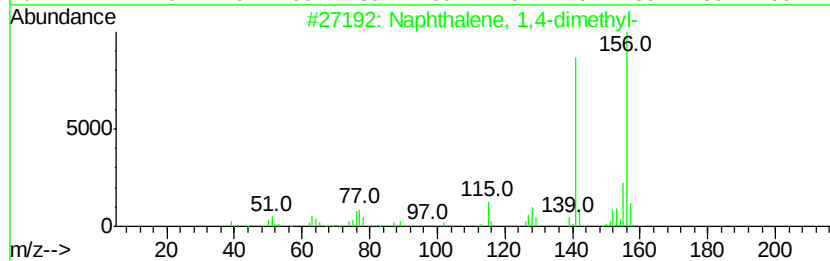
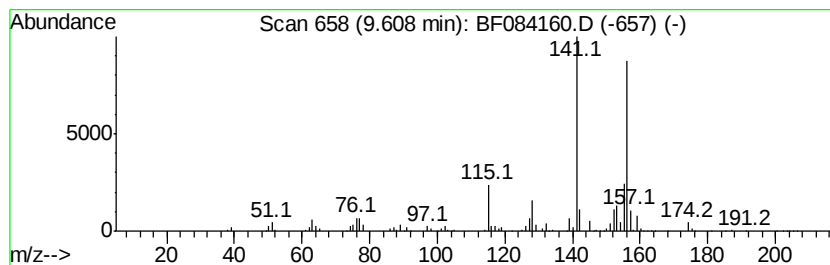
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 1,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	17.88 ng	1725390	Acenaphthene-d10	9.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
5		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122815\
Data File : BF084160.D
Acq On : 28 Dec 2015 17:22
Operator : UM/SJ
Sample : G4960-05 25X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PJ-SB-300(16.0-16.5)

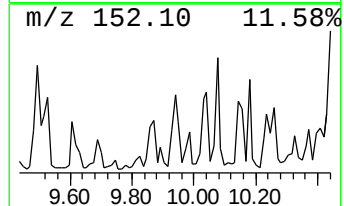
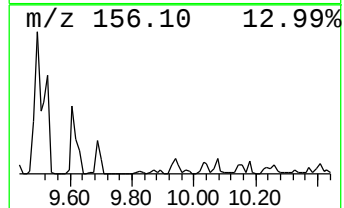
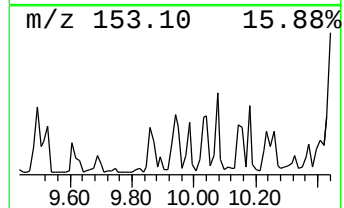
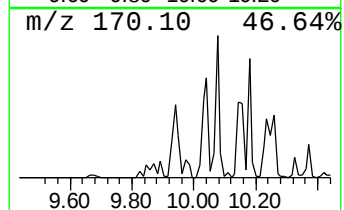
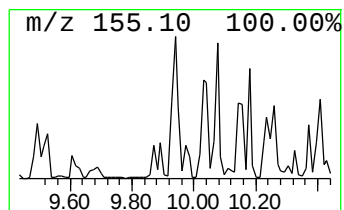
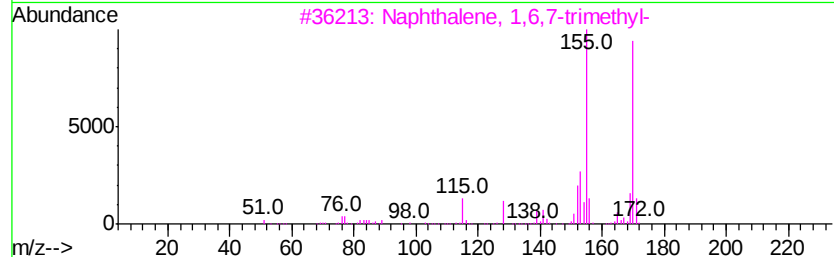
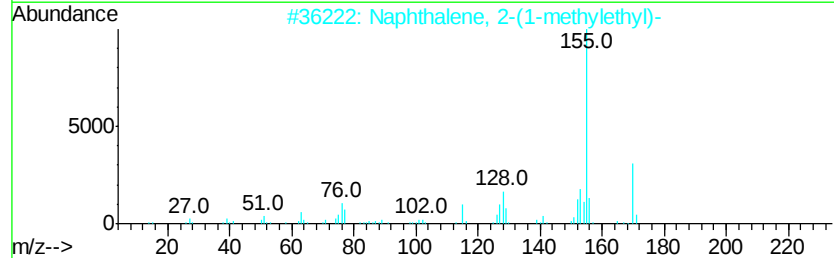
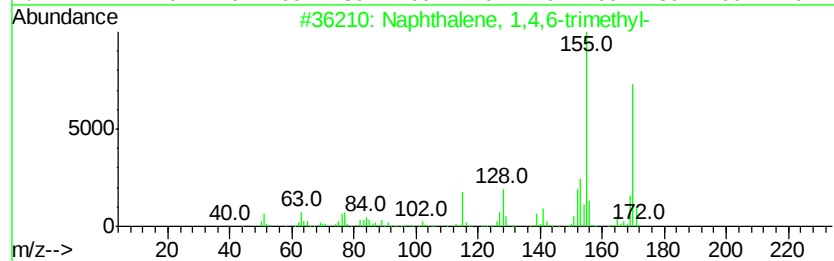
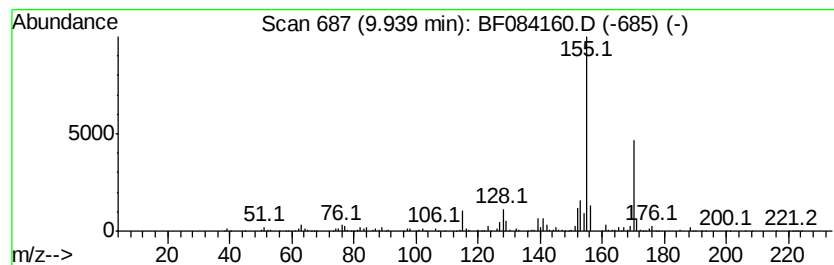
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 1,4,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.94	16.79 ng	1620210	Acenaphthene-d10	9.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
2		Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	89
4		Naphthalene, 1-(1-methylethyl)-	170	C13H14	006158-45-8	76
5		2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	74



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122815\
Data File : BF084160.D
Acq On : 28 Dec 2015 17:22
Operator : UM/SJ
Sample : G4960-05 25X
Misc :
ALS Vial : 7 Sample Multiplier: 1

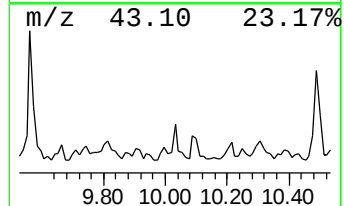
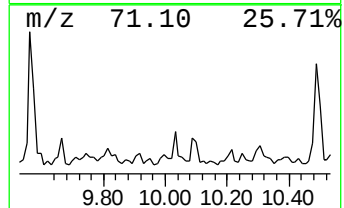
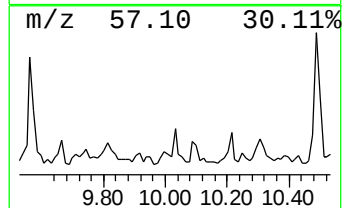
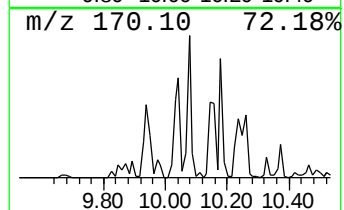
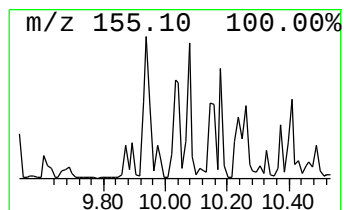
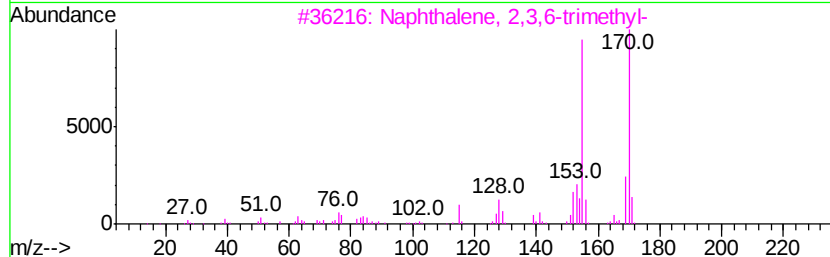
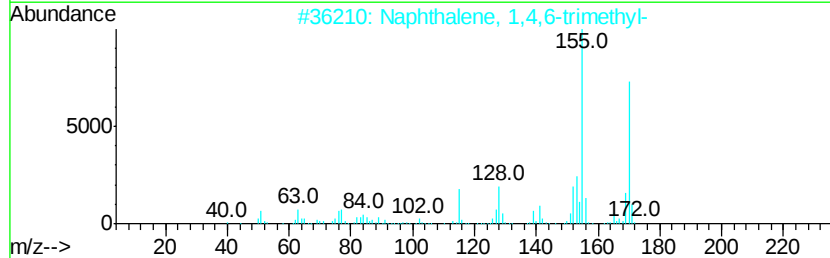
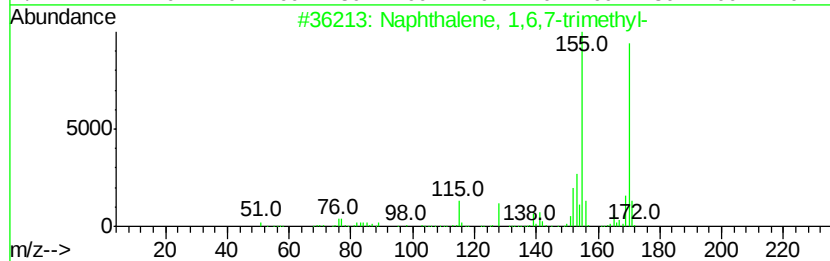
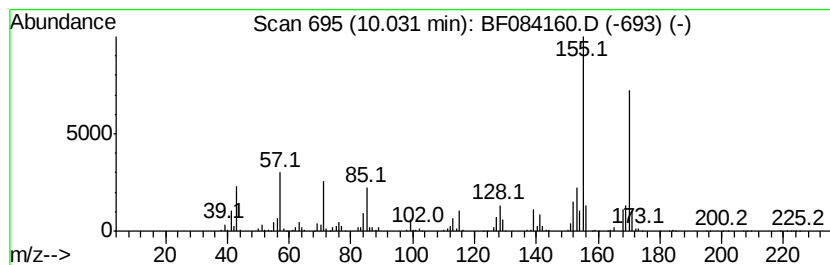
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 1,6,7-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.03	20.91 ng	2017370	Acenaphthene-d10	9.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122815\
Data File : BF084160.D
Acq On : 28 Dec 2015 17:22
Operator : UM/SJ
Sample : G4960-05 25X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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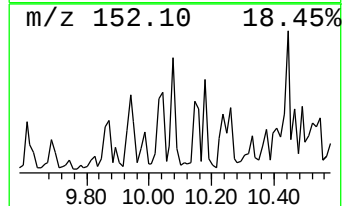
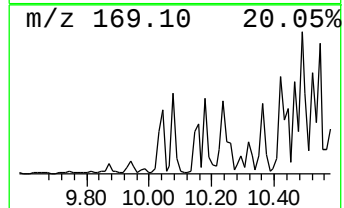
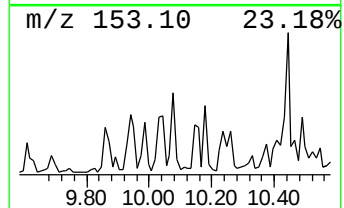
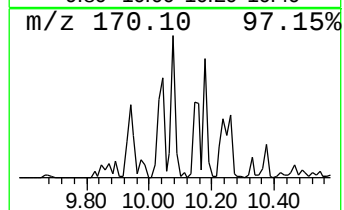
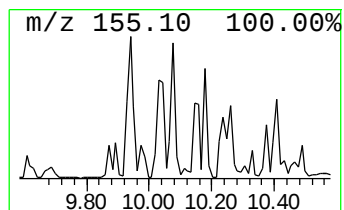
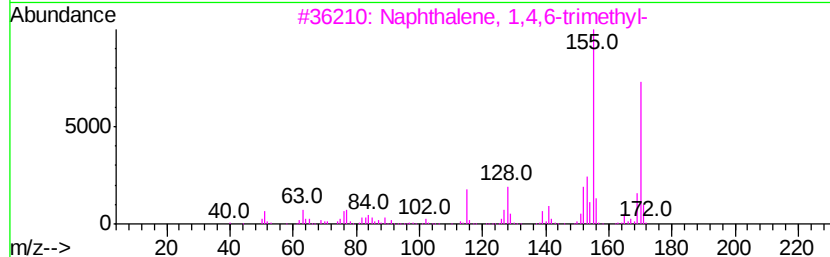
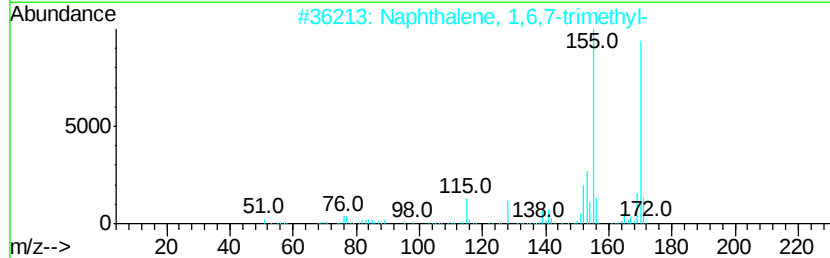
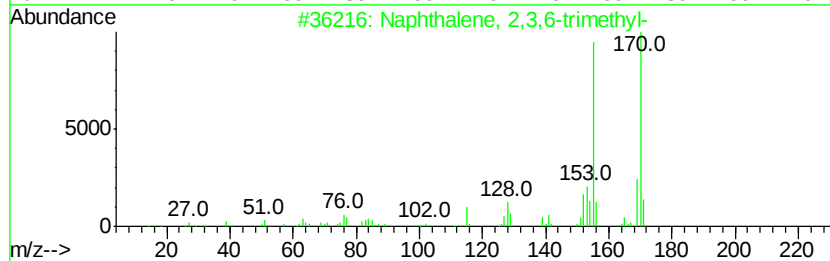
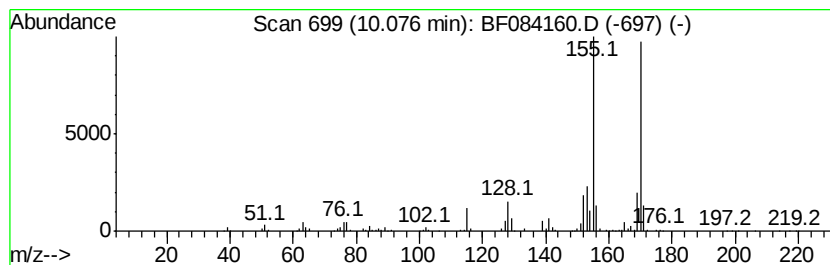
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 2,3,6-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	21.40 ng	2064820	Acenaphthene-d10	9.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122815\
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Sample : G4960-05 25X
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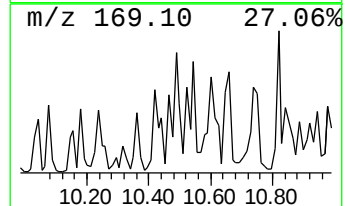
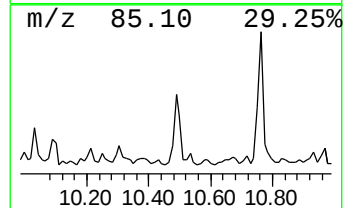
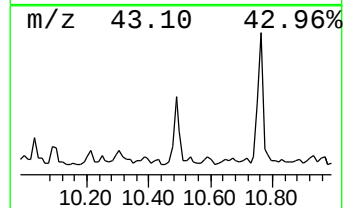
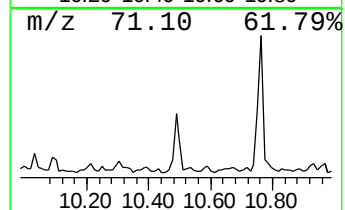
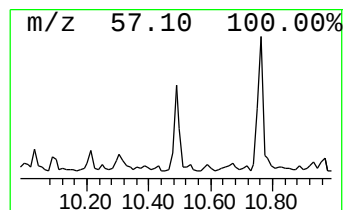
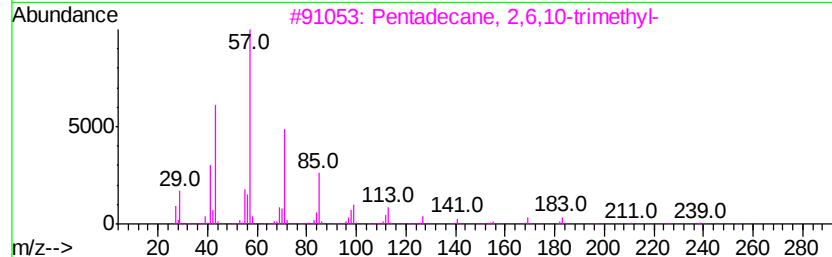
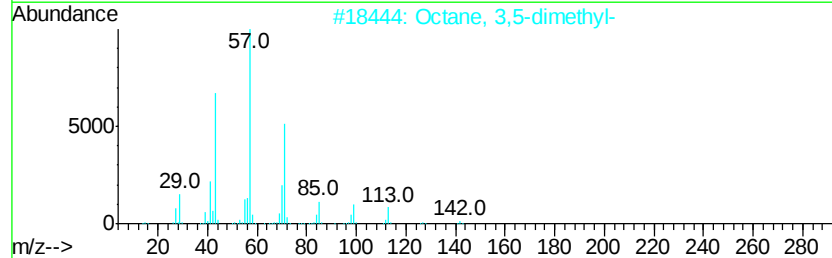
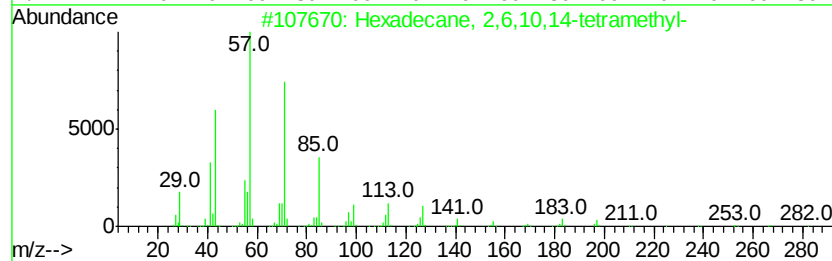
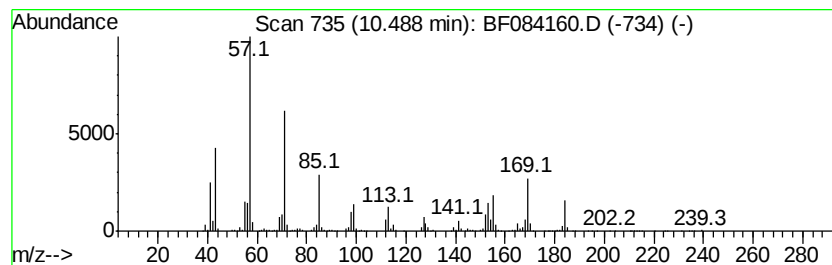
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown10.49 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.49	19.39 ng	1870960	Acenaphthene-d10	9.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	46
2	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	43
3	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	43
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	43
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122815\
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Acq On : 28 Dec 2015 17:22
Operator : UM/SJ
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Misc :
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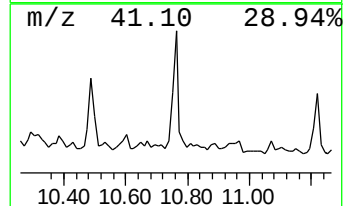
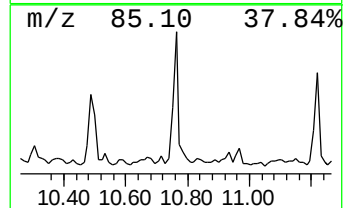
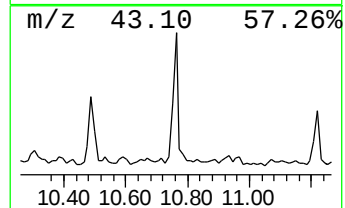
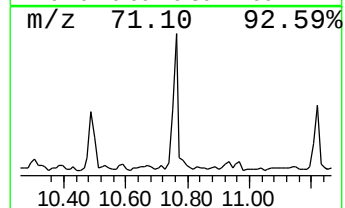
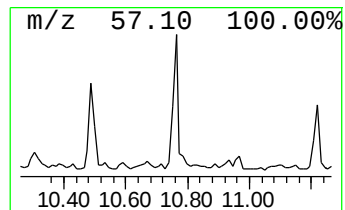
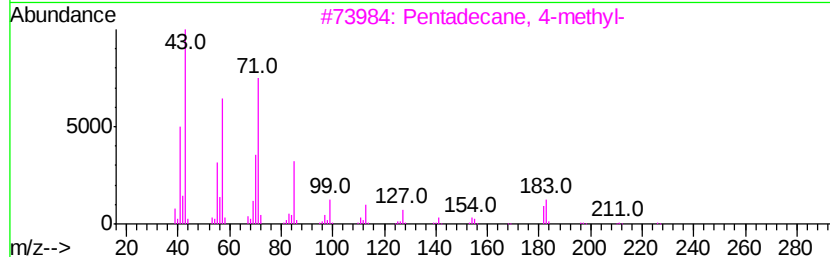
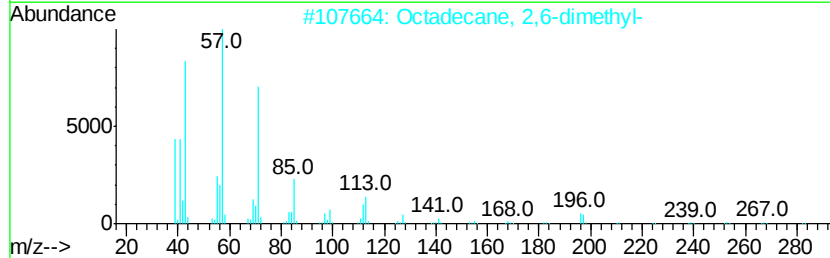
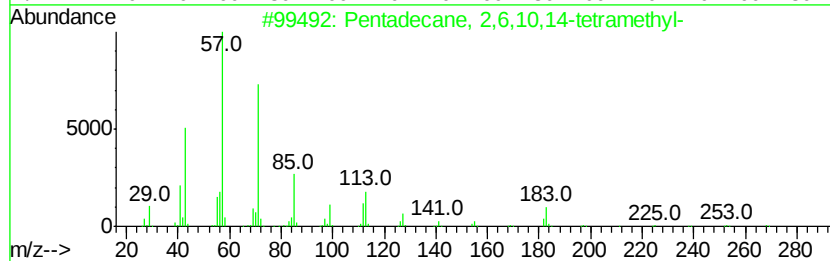
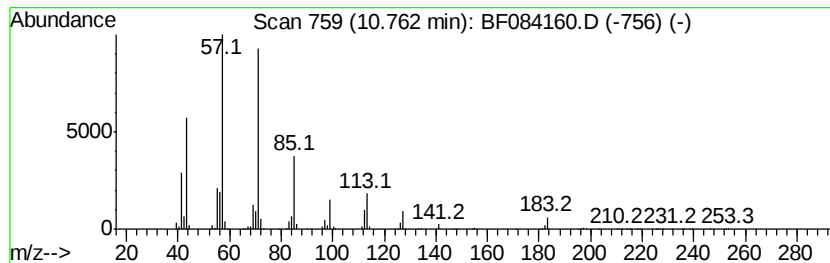
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ClientSampleId :
PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Pentadecane, 2,6,10,14-tetr... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.76	50.44 ng	3053190	Phenanthrene-d10	11.31		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	86
2		Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	83
3		Pentadecane, 4-methyl-	226	C16H34	002801-87-8	72
4		Tridecane, 4-methyl-	198	C14H30	026730-12-1	64
5		Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122815\
Data File : BF084160.D
Acq On : 28 Dec 2015 17:22
Operator : UM/SJ
Sample : G4960-05 25X
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ALS Vial : 7 Sample Multiplier: 1

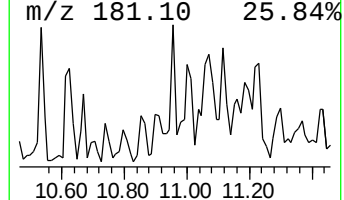
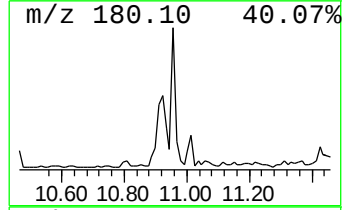
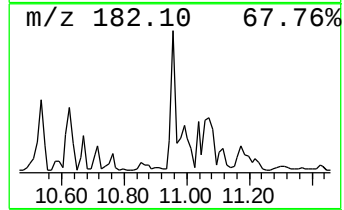
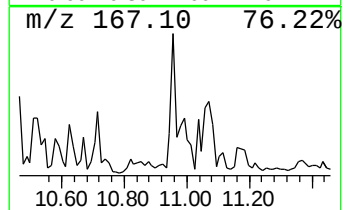
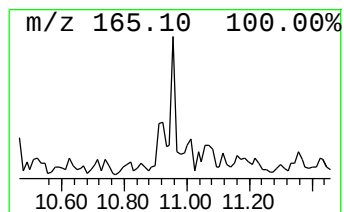
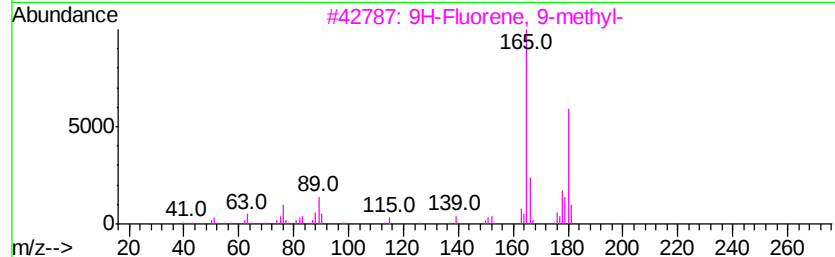
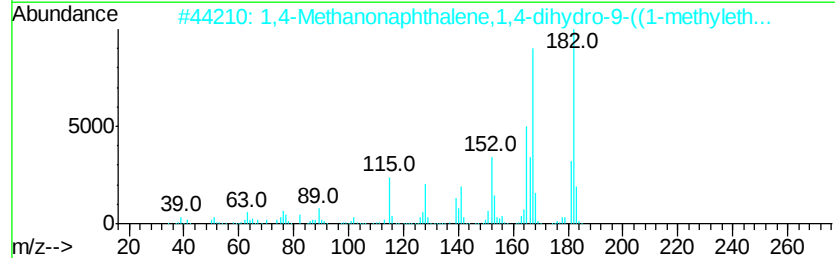
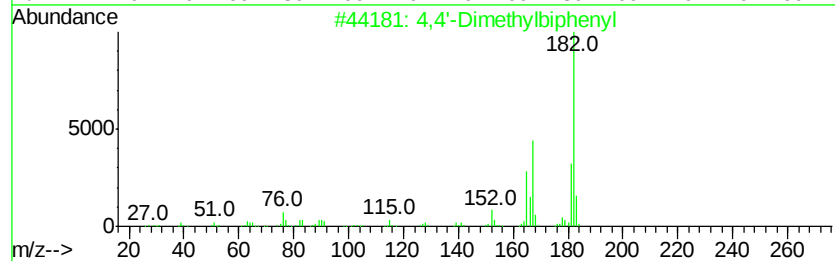
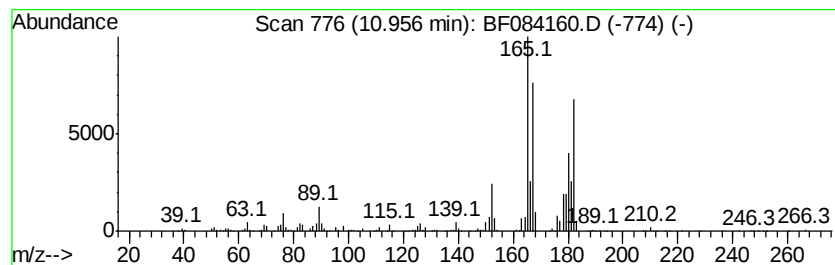
Instrument :
BNA_F
ClientSampleId :
PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 4,4'-Dimethylbiphenyl Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.96	14.03 ng	849000	Phenanthrene-d10	11.31	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	62
2	1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	49
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	46
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	46
5	1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122815\
Data File : BF084160.D
Acq On : 28 Dec 2015 17:22
Operator : UM/SJ
Sample : G4960-05 25X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PJ-SB-300(16.0-16.5)

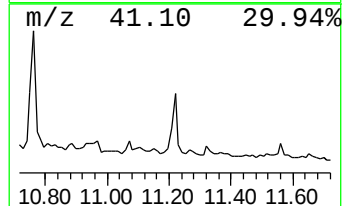
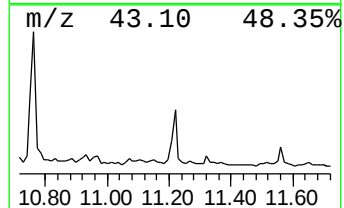
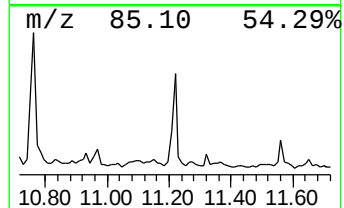
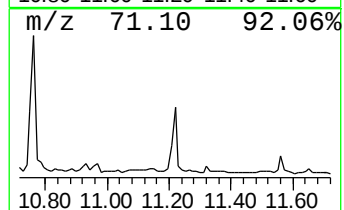
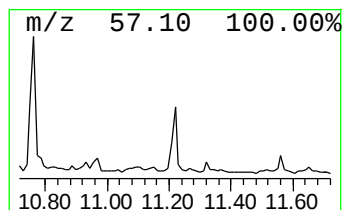
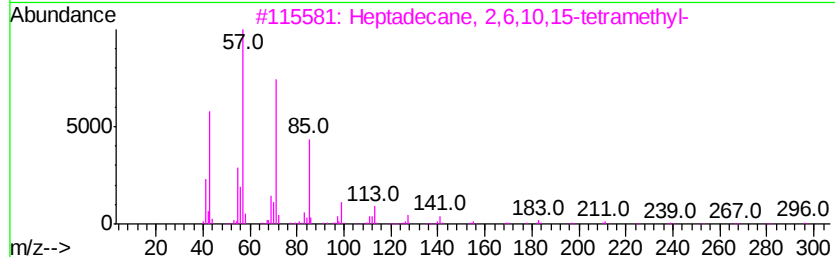
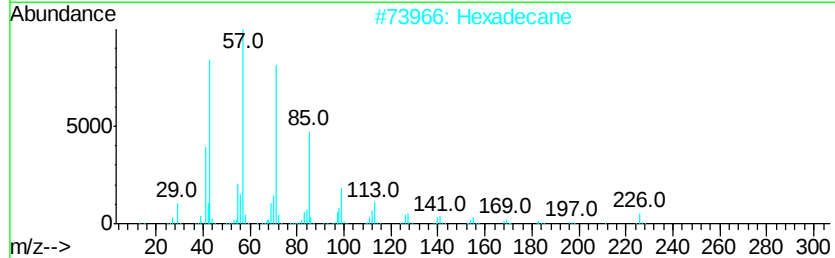
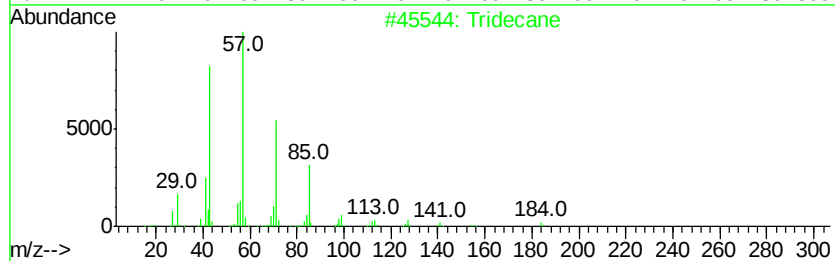
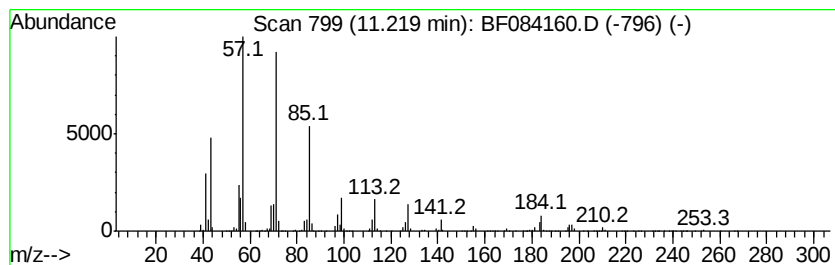
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Tridecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	32.89 ng	1990730	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	91
2		Hexadecane	226	C16H34	000544-76-3	87
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
4		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	86
5		Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122815\
 Data File : BF084160.D
 Acq On : 28 Dec 2015 17:22
 Operator : UM/SJ
 Sample : G4960-05 25X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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
Hexane, 2,2,3,3-t...	7.07	34.6	ng	754451	1	6.78	435506	20.0
Naphthalene, deca...	7.17	24.2	ng	526287	1	6.78	435506	20.0
Octane, 2,6-dimet...	8.51	16.9	ng	1994010	2	8.08	2364600	20.0
unknown9.25	9.25	14.9	ng	1442590	3	9.82	1929720	20.0
1H-Indene, 2,3-di...	9.30	20.8	ng	2007790	3	9.82	1929720	20.0
Naphthalene, 2-et...	9.34	14.7	ng	1413230	3	9.82	1929720	20.0
Naphthalene, 2,7-...	9.42	28.1	ng	2711660	3	9.82	1929720	20.0
Naphthalene, 1,6-...	9.49	32.7	ng	3154400	3	9.82	1929720	20.0
unknown9.52	9.52	28.8	ng	2775670	3	9.82	1929720	20.0
Heptadecane, 2,6,...	9.56	27.5	ng	2655210	3	9.82	1929720	20.0
Naphthalene, 1,4-...	9.61	17.9	ng	1725390	3	9.82	1929720	20.0
Naphthalene, 1,4,...	9.94	16.8	ng	1620210	3	9.82	1929720	20.0
Naphthalene, 1,6,...	10.03	20.9	ng	2017370	3	9.82	1929720	20.0
Naphthalene, 2,3,...	10.08	21.4	ng	2064820	3	9.82	1929720	20.0
unknown10.49	10.49	19.4	ng	1870960	3	9.82	1929720	20.0
Pentadecane, 2,6,...	10.76	50.4	ng	3053190	4	11.31	1210610	20.0
4,4'-Dimethylbiph...	10.96	14.0	ng	849000	4	11.31	1210610	20.0
Tridecane	11.22	32.9	ng	1990730	4	11.31	1210610	20.0