

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122815\
 Data File : BF084161.D
 Acq On : 28 Dec 2015 17:49
 Operator : UM/SJ
 Sample : G4960-06 25X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-3(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	92282	111202	3.71%	0.135%
2	6.019	342	344	347	rVB	215004	234823	7.84%	0.286%
3	6.213	358	361	364	rBV2	90689	177459	5.92%	0.216%
4	6.304	368	369	373	rVB2	119584	181223	6.05%	0.221%
5	6.373	373	375	377	rBV2	100599	102032	3.41%	0.124%
6	6.442	377	381	383	rBV4	81943	125110	4.18%	0.152%
7	6.522	386	388	390	rBV3	128958	241132	8.05%	0.294%
8	6.556	390	391	394	rVB3	110371	138320	4.62%	0.169%
9	6.739	399	407	409	rBV4	91859	307892	10.28%	0.375%
10	6.784	409	411	412	rBV	242753	433137	14.46%	0.528%
11	6.807	412	413	414	rVB	330391	226648	7.57%	0.276%
12	6.842	414	416	418	rBV	134928	172186	5.75%	0.210%
13	6.933	422	424	428	rVB3	337022	597734	19.95%	0.728%
14	7.070	428	436	437	rBV4	280258	669737	22.35%	0.816%
15	7.104	437	439	440	rBV2	172622	204503	6.83%	0.249%
16	7.173	443	445	451	rVB4	350246	484642	16.18%	0.590%
17	7.264	451	453	455	rBV3	53909	128281	4.28%	0.156%
18	7.322	455	458	460	rBV2	514351	747702	24.96%	0.911%
19	7.367	460	462	465	rVB3	250011	387376	12.93%	0.472%
20	7.436	465	468	470	rVB3	307251	506306	16.90%	0.617%
21	7.505	470	474	476	rBV3	325365	658904	21.99%	0.803%
22	7.585	476	481	484	rVB4	389208	1088371	36.33%	1.326%
23	7.630	484	485	486	rBV	122241	109095	3.64%	0.133%
24	7.710	488	492	494	rBV4	360981	1000033	33.38%	1.218%
25	7.756	494	496	498	rBV3	328538	411984	13.75%	0.502%
26	7.813	498	501	502	rBV	384264	496098	16.56%	0.604%
27	7.836	502	503	506	rVB3	251548	354008	11.82%	0.431%
28	7.893	506	508	510	rBV2	294662	410735	13.71%	0.500%
29	7.939	510	512	514	rBV	226985	377645	12.61%	0.460%
30	8.065	517	523	525	rBV4	957756	2183072	72.87%	2.660%
31	8.122	527	528	529	rVV	316274	237275	7.92%	0.289%
32	8.145	529	530	531	rVB	1023037	705220	23.54%	0.859%
33	8.236	536	538	539	rBV2	230193	388815	12.98%	0.474%
34	8.282	539	542	543	rVB3	329616	423363	14.13%	0.516%

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35	8.316	543	545	546	rBV2	94752	146586	4.89%	0.179%
36	8.373	546	550	551	rVB4	495908	954927	31.87%	1.163%
37	8.396	551	552	554	rBV2	144507	223871	7.47%	0.273%
38	8.465	556	558	559	rVB	381392	474653	15.84%	0.578%
39	8.510	559	562	564	rBV	1520480	1913051	63.85%	2.331%
40	8.545	564	565	566	rVB	489193	335586	11.20%	0.409%
41	8.579	566	568	570	rBV2	562981	756833	25.26%	0.922%
42	8.670	574	576	577	rBV	307395	455774	15.21%	0.555%
43	8.773	583	585	588	rVB2	762194	1452182	48.47%	1.769%
44	8.830	588	590	591	rBV2	217565	356304	11.89%	0.434%
45	8.887	592	595	600	rVV3	1403853	2381893	79.50%	2.902%
46	8.990	600	604	605	rVV4	499156	1089039	36.35%	1.327%
47	9.025	605	607	608	rVV	254153	349643	11.67%	0.426%
48	9.059	608	610	611	rVV2	176580	247997	8.28%	0.302%
49	9.105	611	614	618	rVB2	1351530	1901473	63.47%	2.317%
50	9.253	623	627	628	rVV2	595212	1358354	45.34%	1.655%
51	9.299	628	631	634	rVV2	736004	1849828	61.74%	2.254%
52	9.345	634	635	638	rVV2	715241	1221244	40.76%	1.488%
53	9.425	638	642	644	rVV	1529348	2688915	89.75%	3.276%
54	9.493	644	648	649	rVV	1988079	2960272	98.81%	3.607%
55	9.516	649	650	653	rVV2	1274501	2624991	87.62%	3.198%
56	9.562	653	654	657	rVV	2068683	2419968	80.77%	2.948%
57	9.608	657	658	664	rVV3	976335	1924882	64.25%	2.345%
58	9.688	664	665	668	rVV2	612651	1104902	36.88%	1.346%
59	9.745	668	670	671	rVV	563552	749034	25.00%	0.913%
60	9.779	671	673	674	rVV2	239166	382865	12.78%	0.466%
61	9.825	674	677	678	rVV2	828960	1565383	52.25%	1.907%
62	9.870	679	681	682	rVV2	649667	896216	29.91%	1.092%
63	9.939	685	687	689	rVV	1075806	1519479	50.72%	1.851%
64	9.973	689	690	693	rVV3	321461	789376	26.35%	0.962%
65	10.030	693	695	697	rVV2	1326692	1881715	62.81%	2.293%
66	10.076	697	699	704	rVB3	1233547	1934719	64.58%	2.357%
67	10.145	704	705	707	rBV	775065	1142611	38.14%	1.392%
68	10.179	707	708	709	rVV	897972	741141	24.74%	0.903%
69	10.236	711	713	716	rVV2	723463	1475617	49.25%	1.798%
70	10.328	716	721	723	rVB5	474479	1174560	39.20%	1.431%
71	10.373	723	725	726	rBV2	618840	843899	28.17%	1.028%

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72	10.442	729	731	732	rVV	638714	816893	27.27%	0.995%
73	10.488	734	735	737	rVV	1782663	1716270	57.29%	2.091%
74	10.533	737	739	741	rVB2	456746	852380	28.45%	1.038%
75	10.602	741	745	748	rBV3	466522	1215501	40.57%	1.481%
76	10.762	756	759	761	rBV2	2169864	2995958	100.00%	3.650%
77	10.819	762	764	765	rVV2	333247	401241	13.39%	0.489%
78	10.888	768	770	771	rVV2	206544	298951	9.98%	0.364%
79	10.922	771	773	774	rVV	406933	660901	22.06%	0.805%
80	10.956	774	776	782	rVB3	971538	2067760	69.02%	2.519%
81	11.071	784	786	789	rVV3	462245	740119	24.70%	0.902%
82	11.162	792	794	796	rVV3	208933	255666	8.53%	0.311%
83	11.219	796	799	802	rVB2	1506331	1943864	64.88%	2.368%
84	11.333	806	809	814	rBV3	510471	1179473	39.37%	1.437%
85	11.425	815	817	820	rBV4	242004	360622	12.04%	0.439%
86	11.562	827	829	833	rVB3	439716	676645	22.59%	0.824%
87	11.642	833	836	842	rVB5	362180	822344	27.45%	1.002%
88	11.722	842	843	845	rBV	126980	146570	4.89%	0.179%
89	11.813	850	851	852	rVV	494635	448834	14.98%	0.547%
90	11.848	852	854	855	rVV	328424	414049	13.82%	0.504%
91	11.928	858	861	865	rVB3	314098	749435	25.01%	0.913%
92	12.042	869	871	873	rBV3	95304	101263	3.38%	0.123%
93	12.248	886	889	891	rVV2	96345	240688	8.03%	0.293%
94	12.294	891	893	897	rVB2	224963	393751	13.14%	0.480%
95	12.362	897	899	900	rBV	321403	297344	9.92%	0.362%
96	12.396	900	902	905	rVB2	85676	150127	5.01%	0.183%
97	12.682	925	927	931	rVB2	61851	129671	4.33%	0.158%
98	12.762	932	934	936	rVV2	61861	110321	3.68%	0.134%
99	13.939	1036	1037	1041	rBV	227030	290099	9.68%	0.353%
100	15.368	1159	1162	1168	rVB	215371	291386	9.73%	0.355%

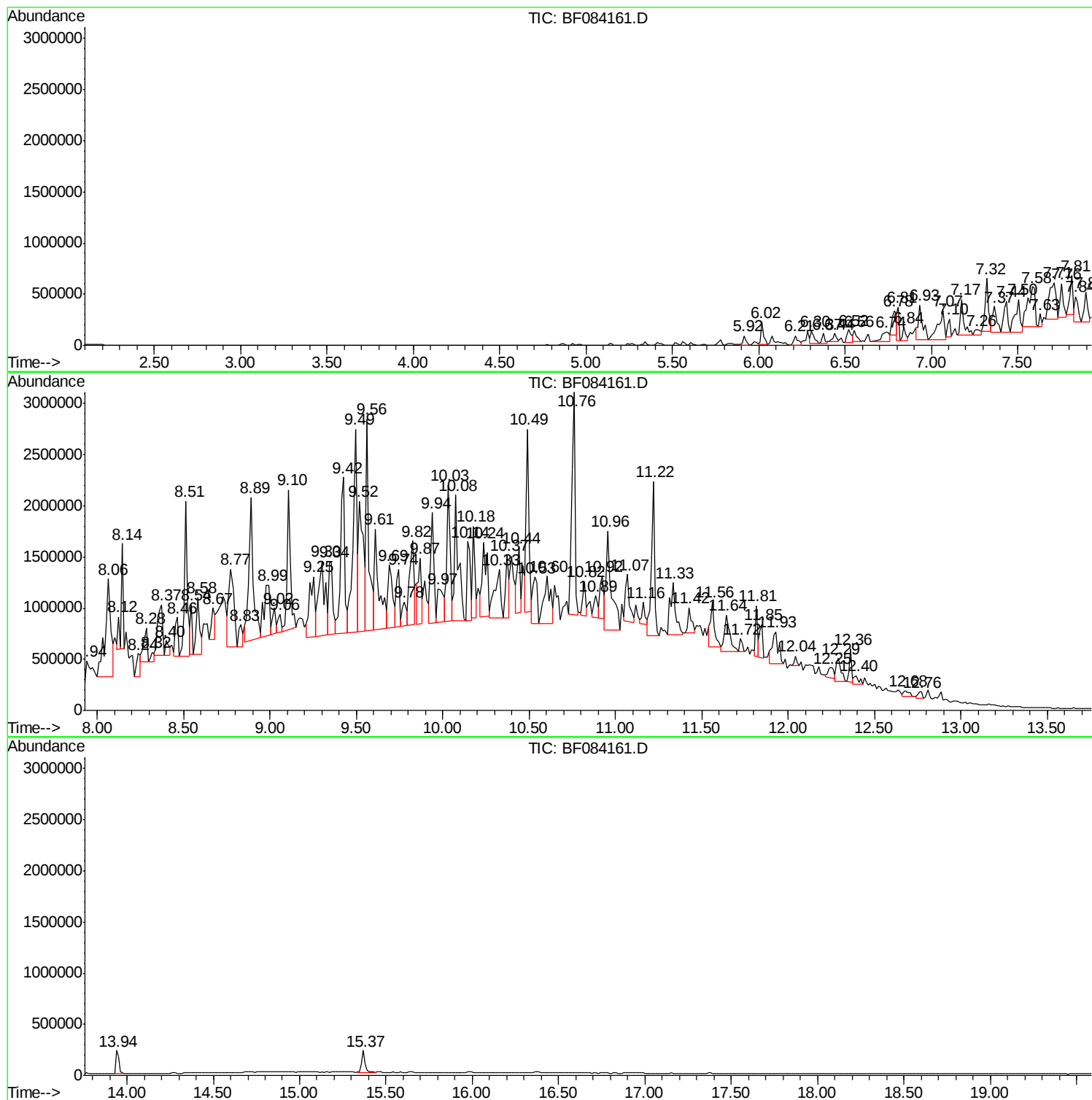
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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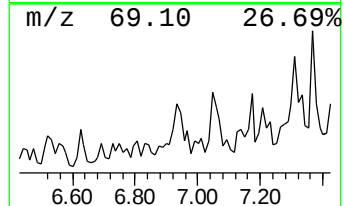
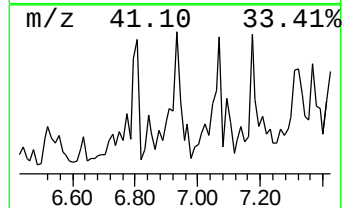
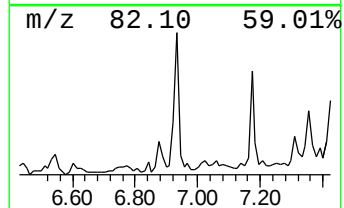
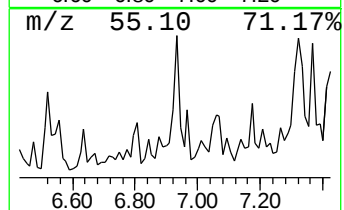
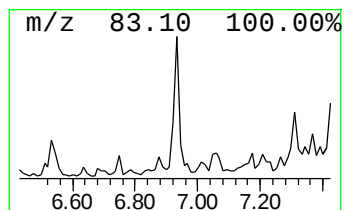
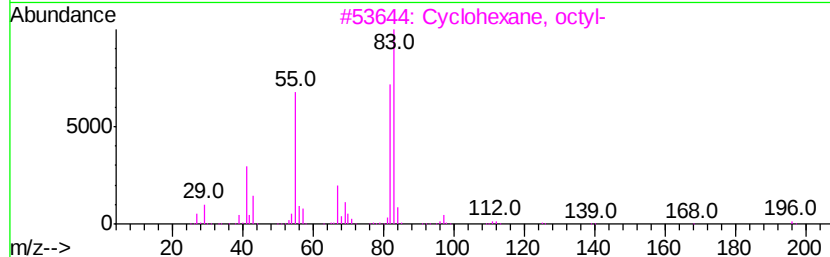
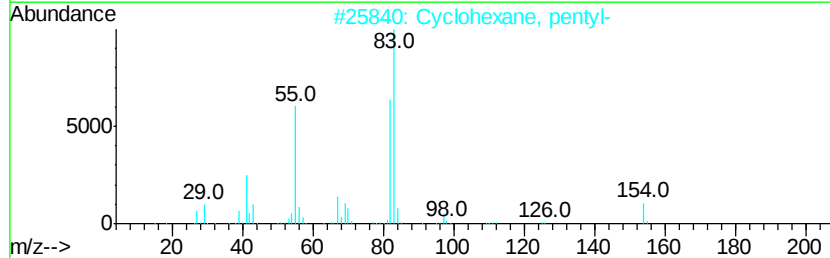
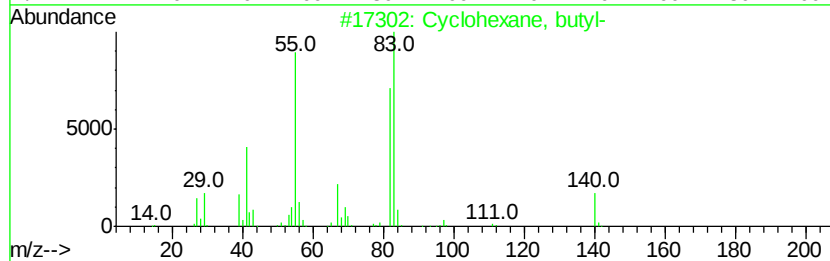
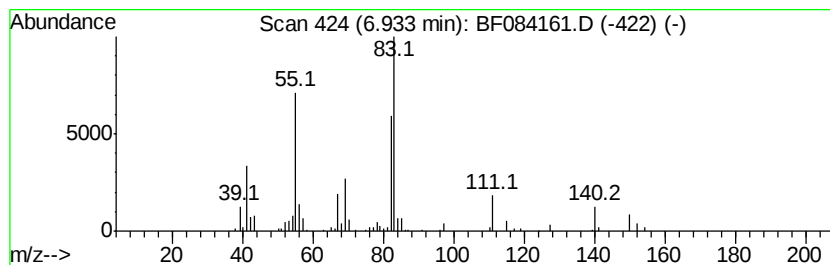
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Cyclohexane, butyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.93	27.60 ng	597734	1,4-Dichlorobenzene-d4	6.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	93
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	81
3		Cyclohexane, octyl-	196	C14H28	001795-15-9	72
4		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	64
5		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64



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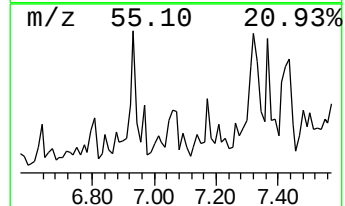
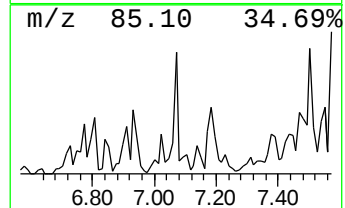
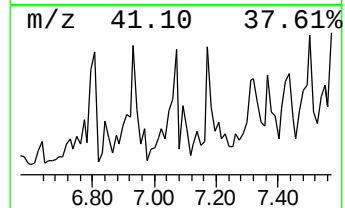
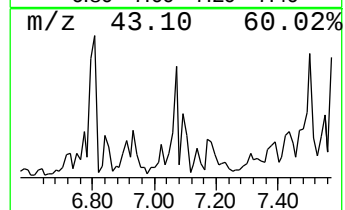
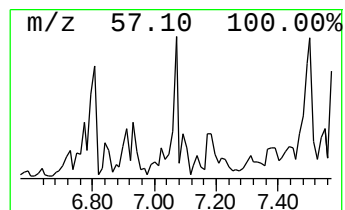
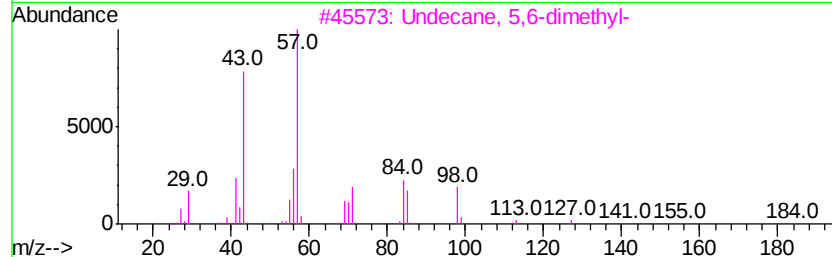
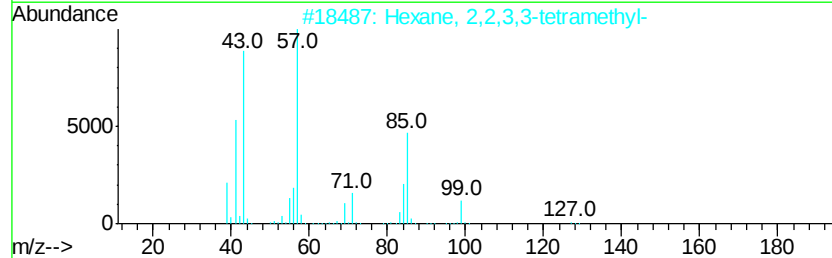
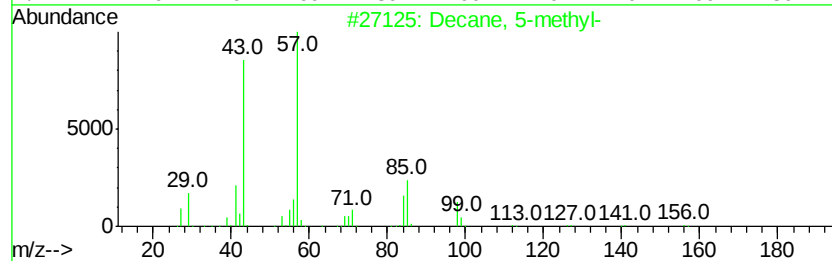
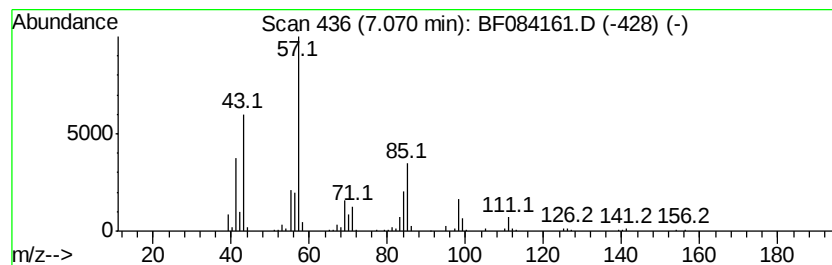
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Peak Number 2 Decane, 5-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	30.92 ng	669737	1,4-Dichlorobenzene-d4	6.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 5-methyl-	156	C11H24	013151-35-4	64
2		Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	59
3		Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	59
4		Heptane, 4-ethyl-	128	C9H20	002216-32-2	53
5		Nonane, 5-methyl-	142	C10H22	015869-85-9	53



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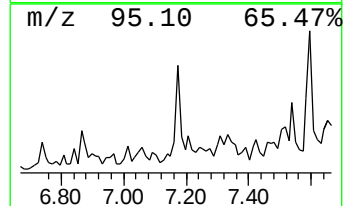
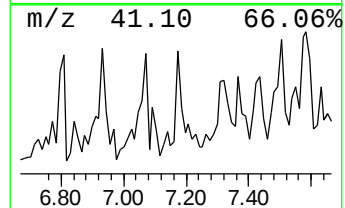
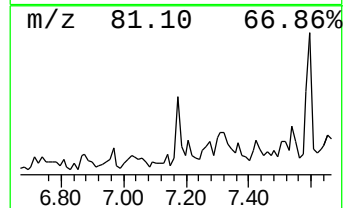
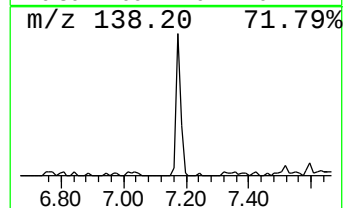
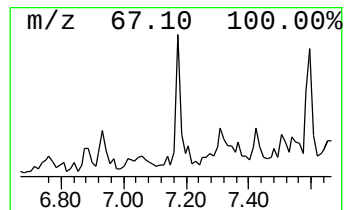
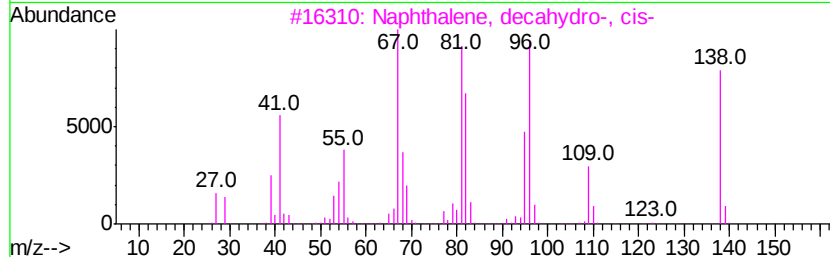
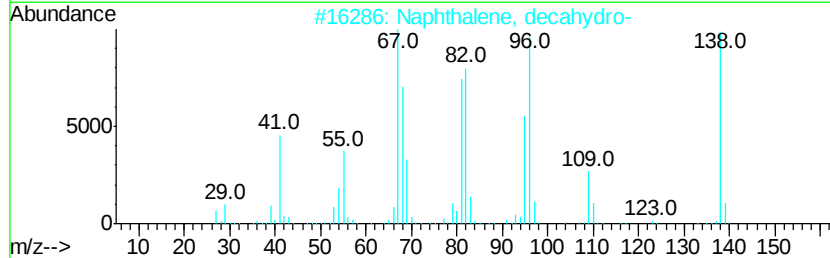
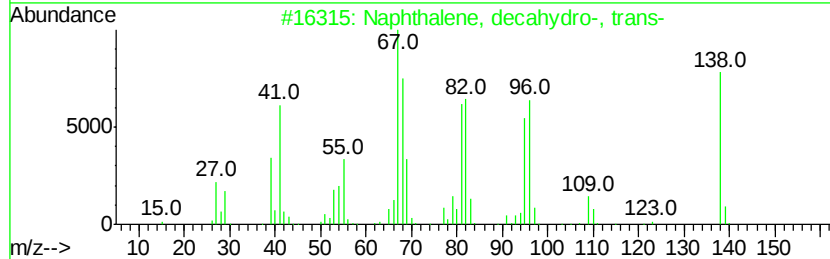
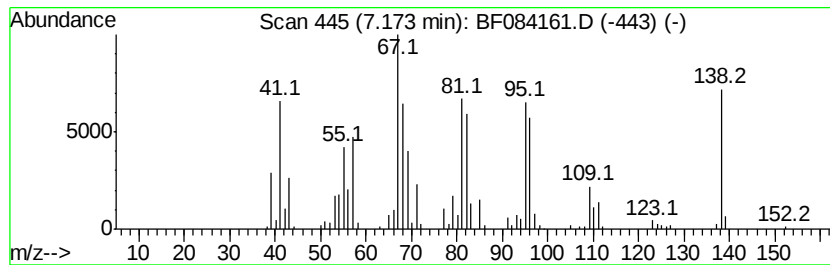
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Peak Number 3 Naphthalene, decahydro-, tr... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	22.38 ng	484642	1,4-Dichlorobenzene-d4	6.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	96
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	94
3		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	93
4		Cyclodecene	138	C10H18	003618-12-0	87
5		Spiro[4.5]decane	138	C10H18	000176-63-6	81



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Operator : UM/SJ
Sample : G4960-06 25X
Misc :
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Instrument :
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ClientSampleId :
PJ-SB-3(16.0-16.5)

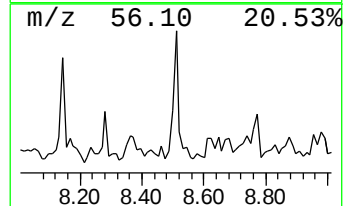
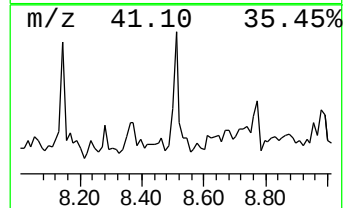
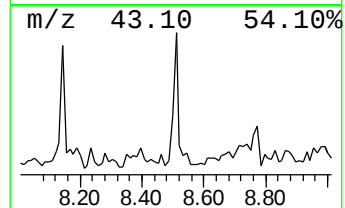
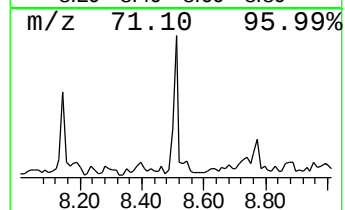
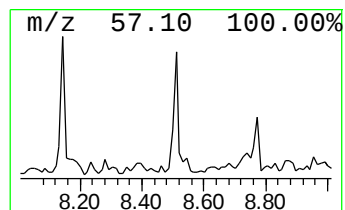
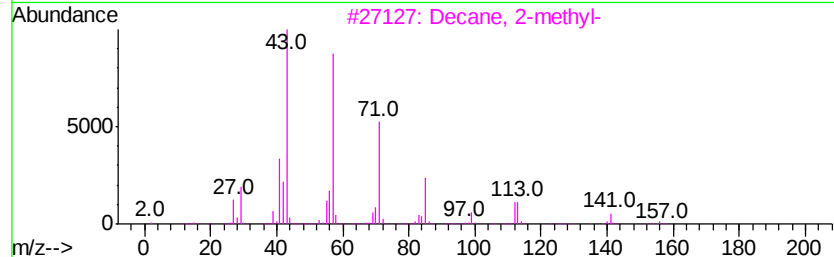
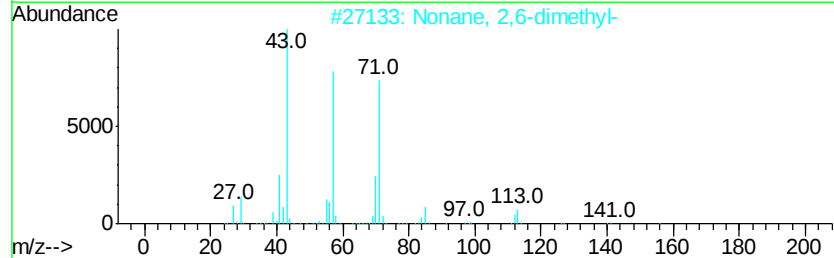
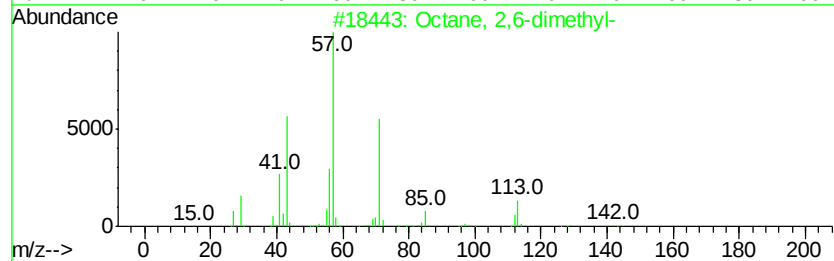
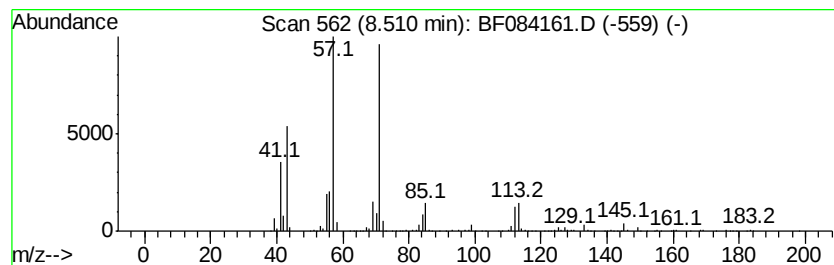
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Octane, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	17.53 ng	1913050	Naphthalene-d8	8.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
2		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	72
3		Decane, 2-methyl-	156	C11H24	006975-98-0	72
4		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	64
5		Octane, 2-bromo-	192	C8H17Br	000557-35-7	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122815\
Data File : BF084161.D
Acq On : 28 Dec 2015 17:49
Operator : UM/SJ
Sample : G4960-06 25X
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ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PJ-SB-3(16.0-16.5)

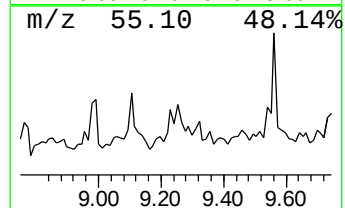
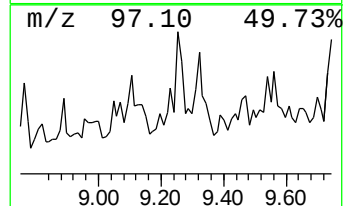
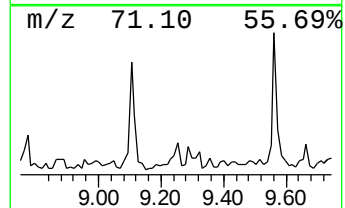
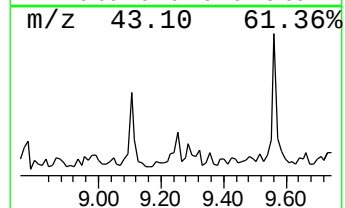
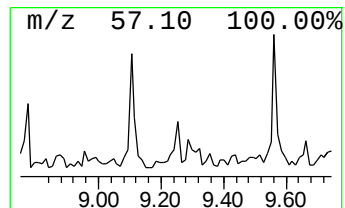
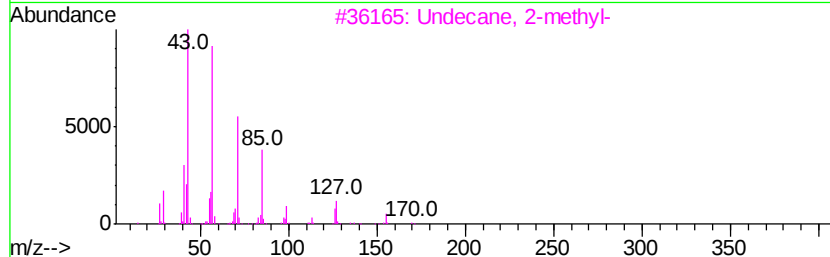
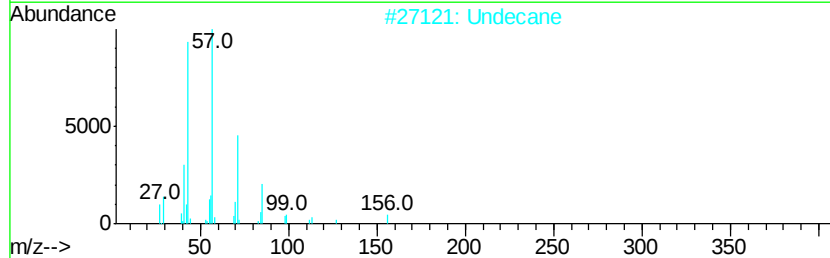
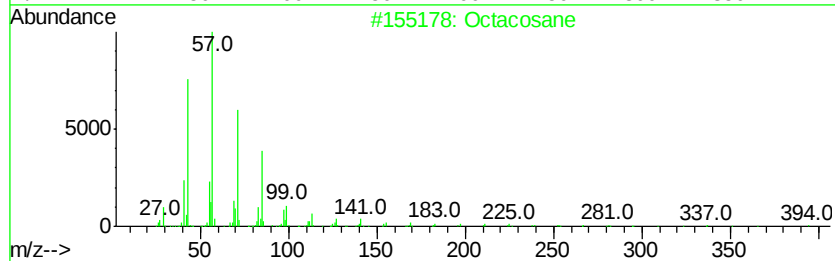
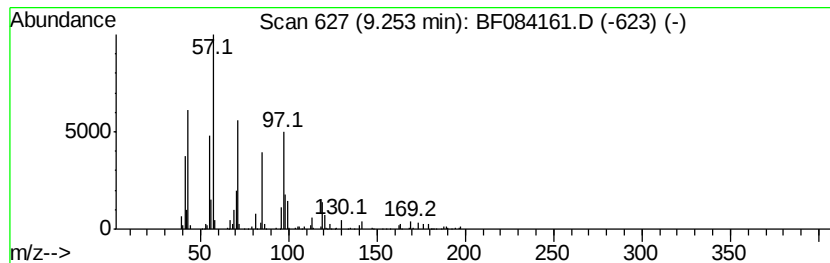
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown9.25 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	17.35 ng	1358350	Acenaphthene-d10	9.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	49
2		Undecane	156	C11H24	001120-21-4	47
3		Undecane, 2-methyl-	170	C12H26	007045-71-8	46
4		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	45
5		Dodecane, 2-methyl-	184	C13H28	001560-97-0	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122815\
Data File : BF084161.D
Acq On : 28 Dec 2015 17:49
Operator : UM/SJ
Sample : G4960-06 25X
Misc :
ALS Vial : 8 Sample Multiplier: 1

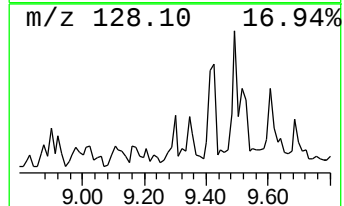
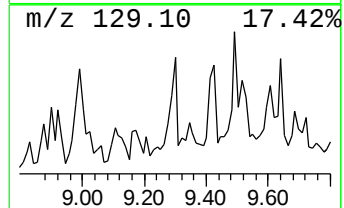
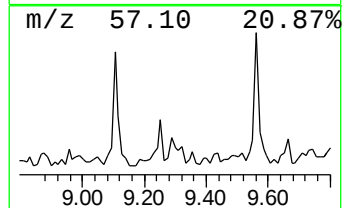
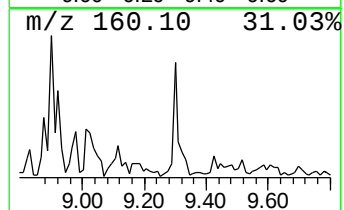
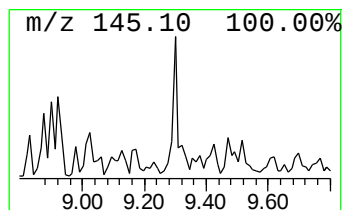
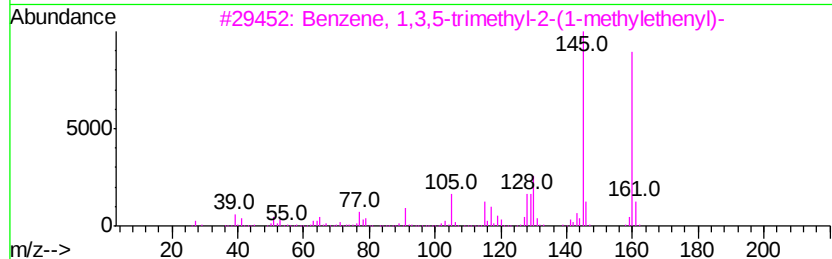
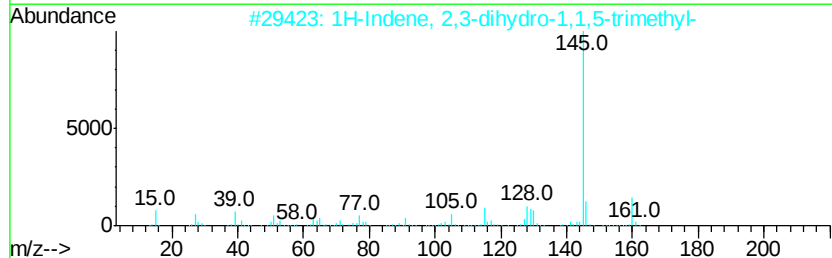
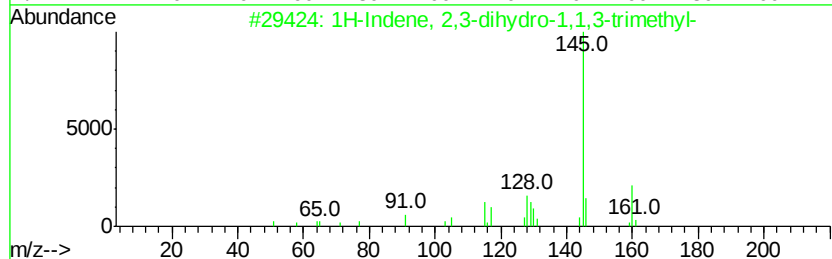
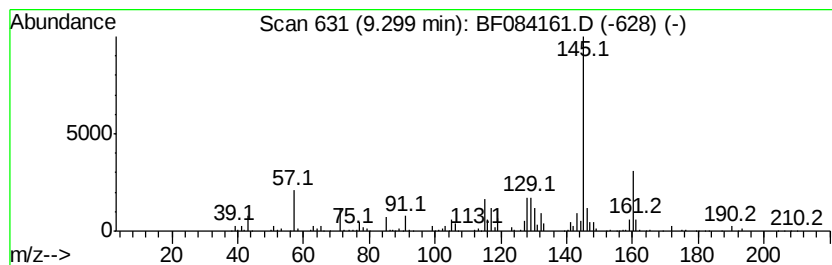
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.		
9.30	23.63 ng	1849830	Acenaphthene-d10	9.82		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16		002613-76-5	94
2	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16		040650-41-7	91
3	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16		014679-13-1	90
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16		021693-54-9	90
5	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16		054340-85-1	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122815\
Data File : BF084161.D
Acq On : 28 Dec 2015 17:49
Operator : UM/SJ
Sample : G4960-06 25X
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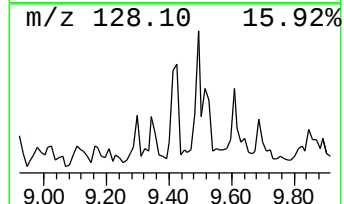
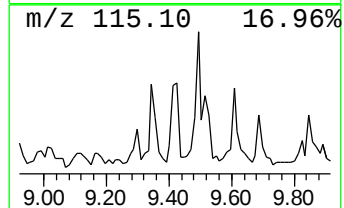
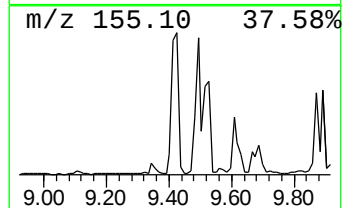
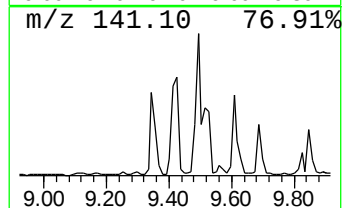
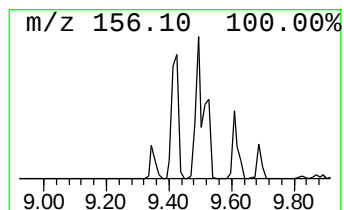
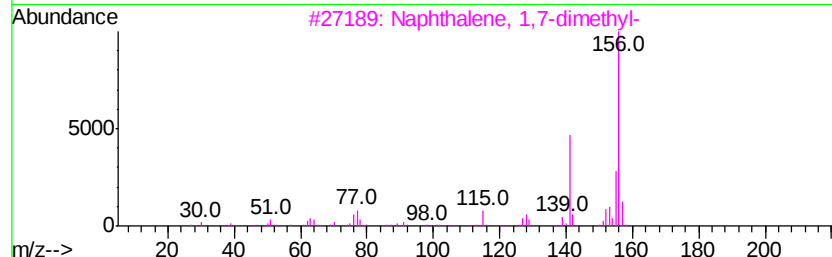
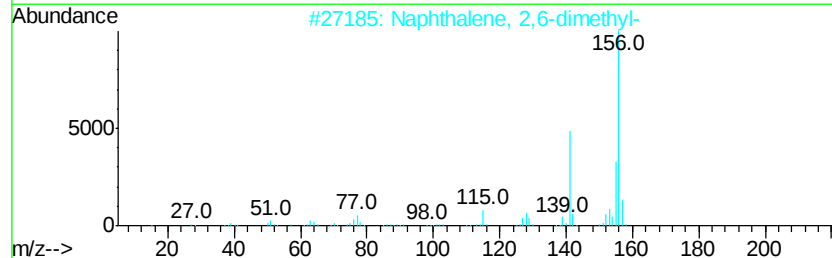
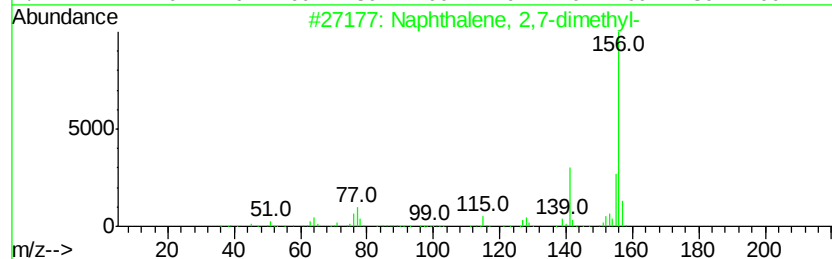
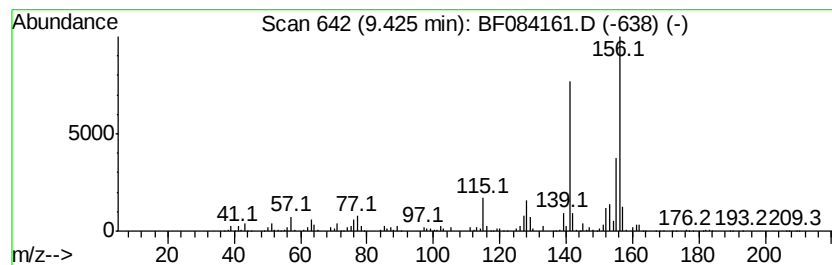
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.42	34.35 ng	2688920	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, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122815\
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Sample : G4960-06 25X
Misc :
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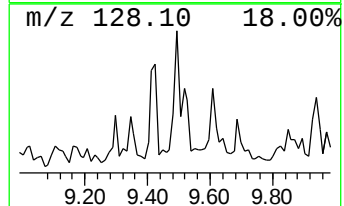
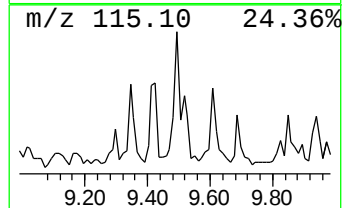
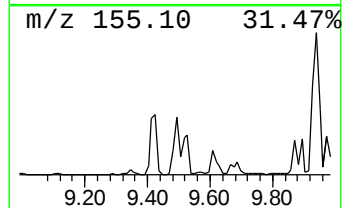
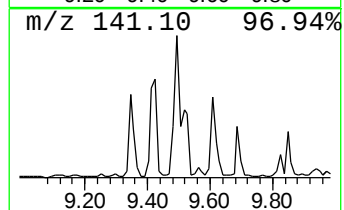
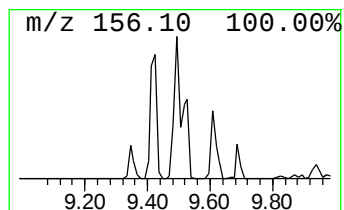
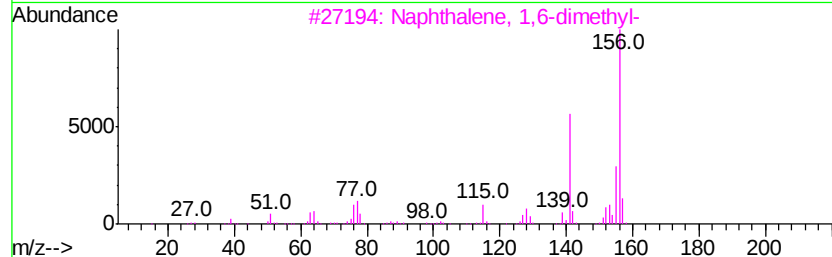
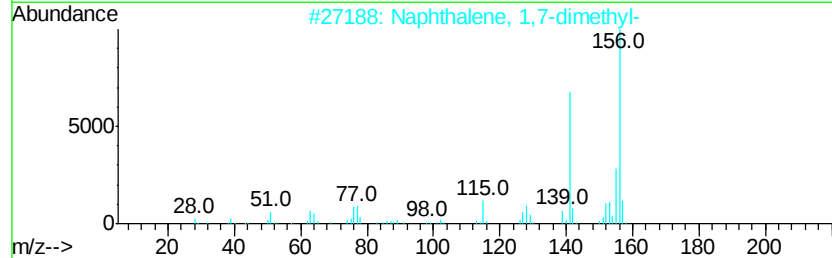
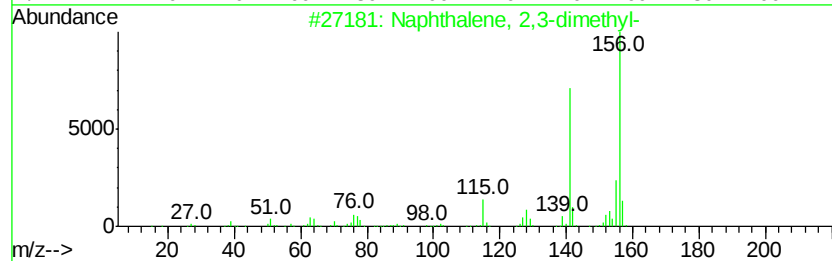
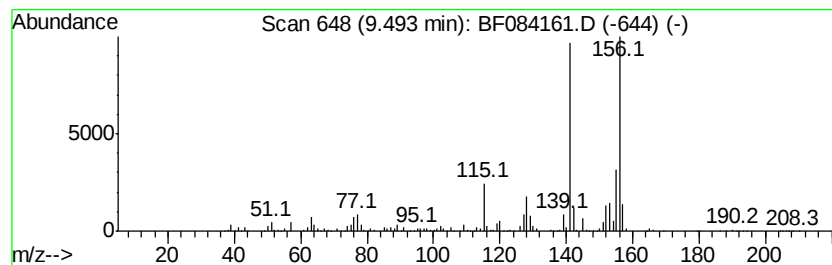
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	37.82 ng	2960270	Acenaphthene-d10	9.82
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
2		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97
3		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
4		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 96
5		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122815\
Data File : BF084161.D
Acq On : 28 Dec 2015 17:49
Operator : UM/SJ
Sample : G4960-06 25X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PJ-SB-3(16.0-16.5)

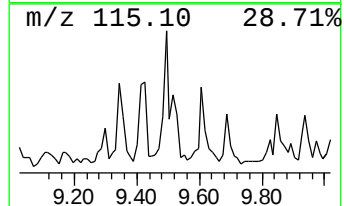
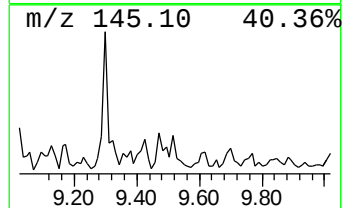
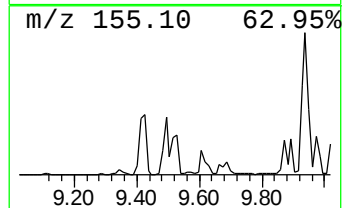
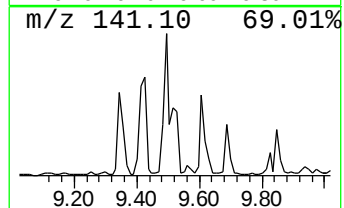
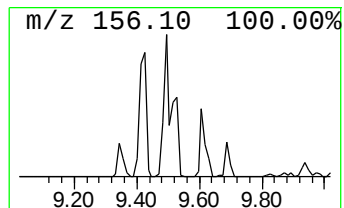
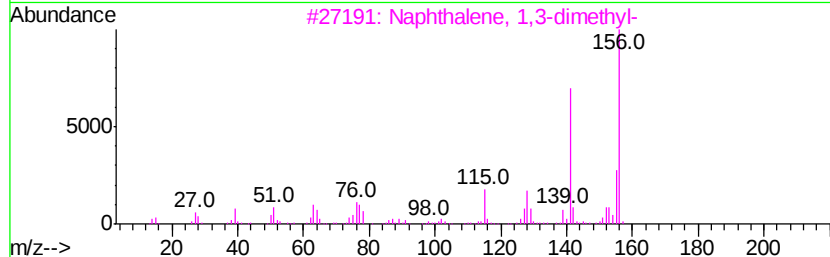
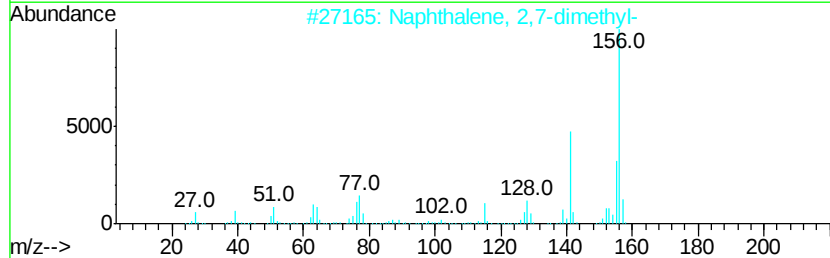
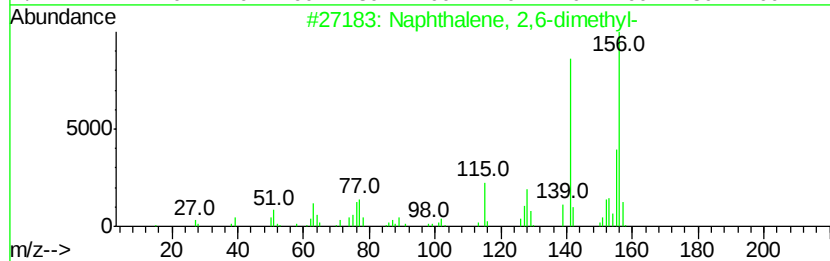
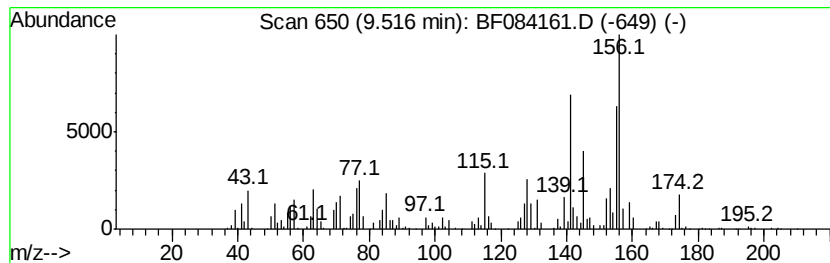
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	33.54 ng	2624990	Acenaphthene-d10	9.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	87
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	83
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	78
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	60
5		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	60



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122815\
Data File : BF084161.D
Acq On : 28 Dec 2015 17:49
Operator : UM/SJ
Sample : G4960-06 25X
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ALS Vial : 8 Sample Multiplier: 1

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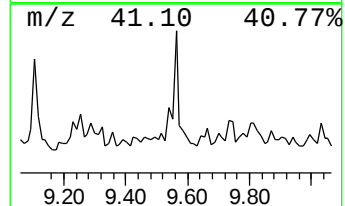
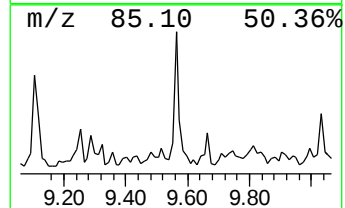
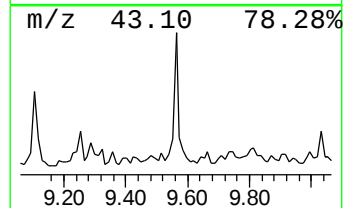
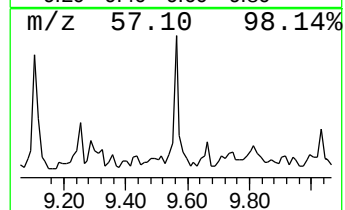
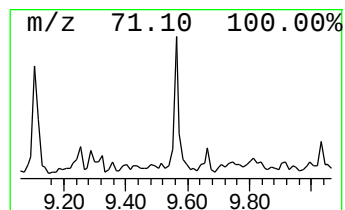
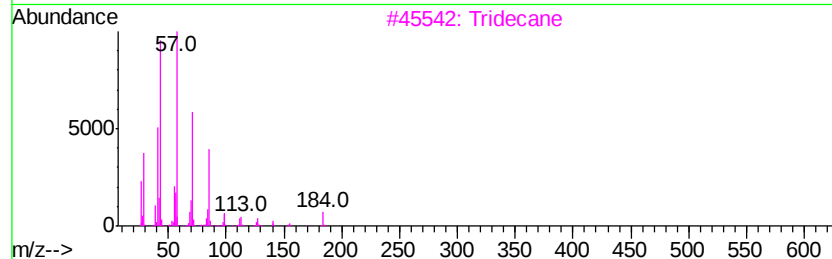
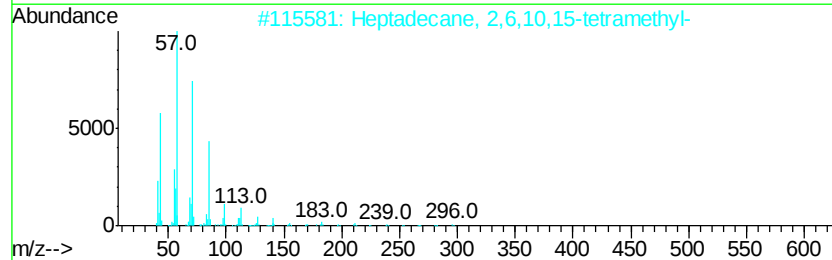
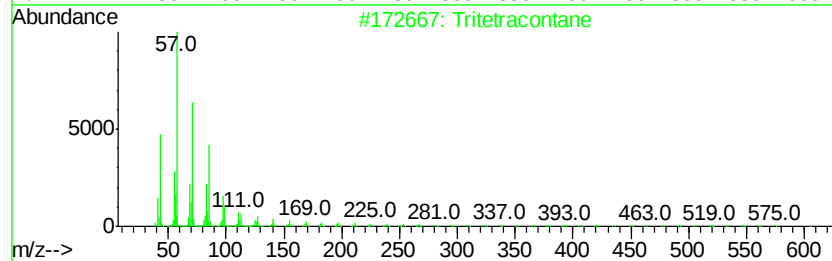
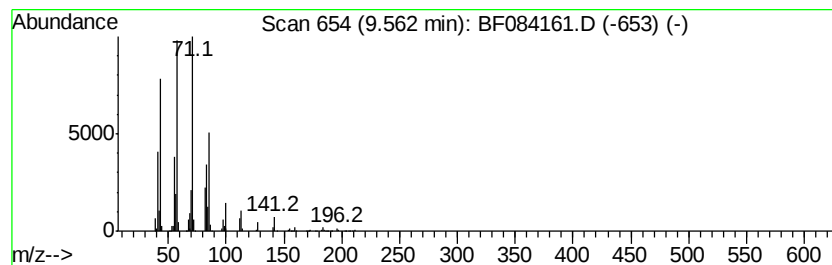
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Tritetracontane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	30.92 ng	2419970	Acenaphthene-d10	9.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tritetracontane	605	C43H88	007098-21-7	72
2		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	68
3		Tridecane	184	C13H28	000629-50-5	60
4		Decane, 5-propyl-	184	C13H28	017312-62-8	58
5		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122815\
Data File : BF084161.D
Acq On : 28 Dec 2015 17:49
Operator : UM/SJ
Sample : G4960-06 25X
Misc :
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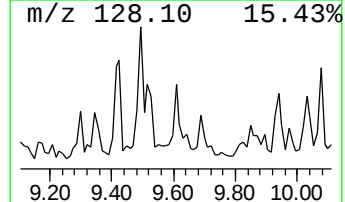
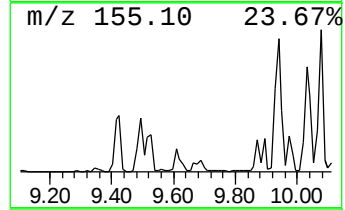
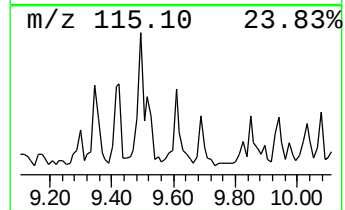
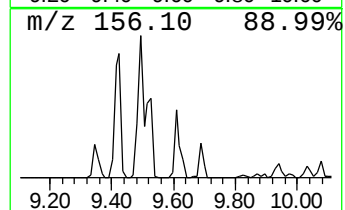
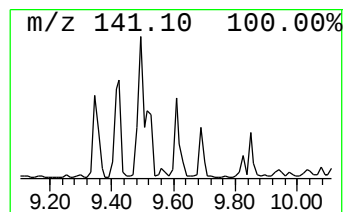
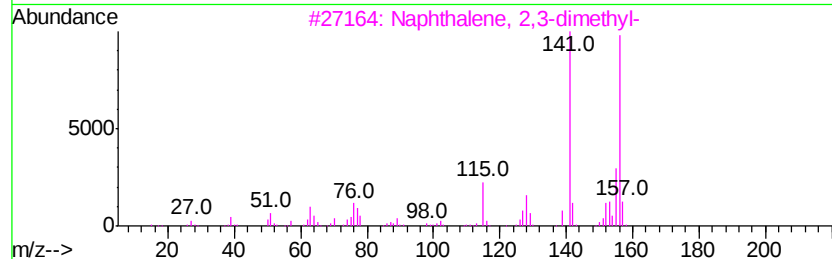
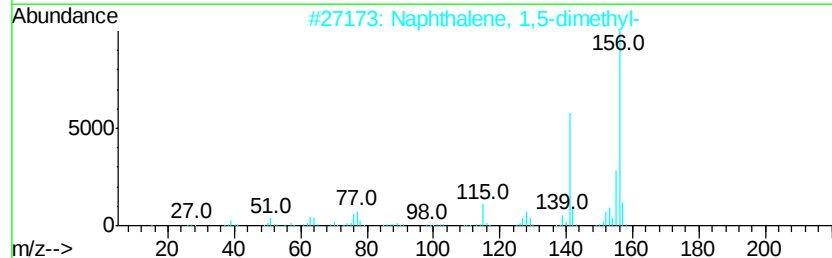
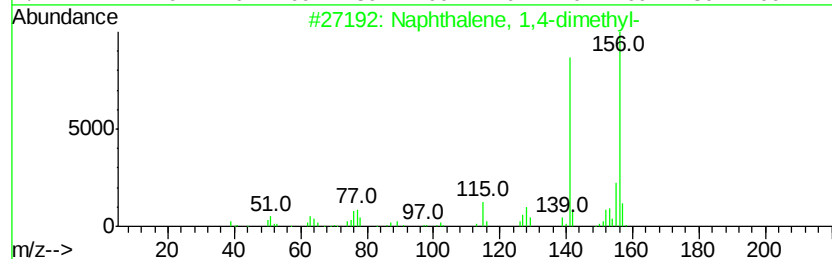
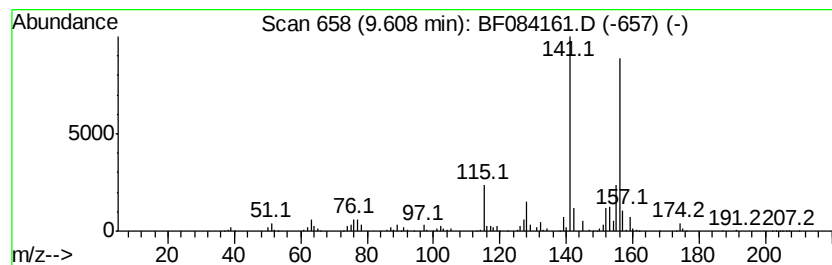
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PJ-SB-3(16.0-16.5)

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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 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	24.59 ng	1924880	Acenaphthene-d10	9.82
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 96
2		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 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, 1,8-dimethyl-	156 C12H12	000569-41-5 93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122815\
Data File : BF084161.D
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Operator : UM/SJ
Sample : G4960-06 25X
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ALS Vial : 8 Sample Multiplier: 1

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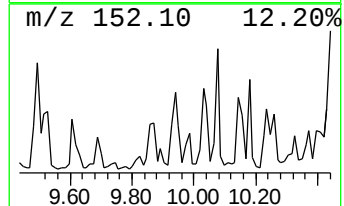
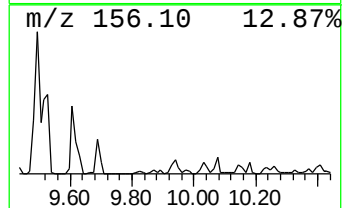
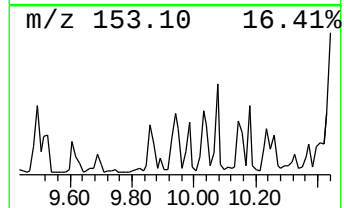
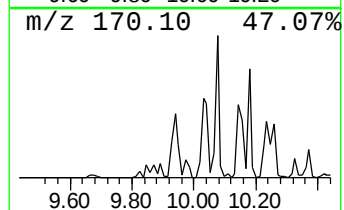
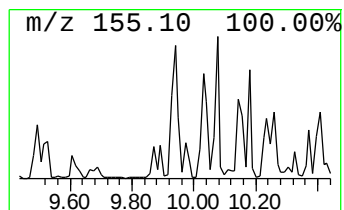
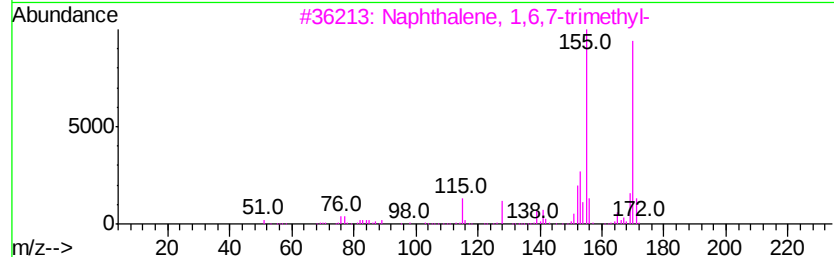
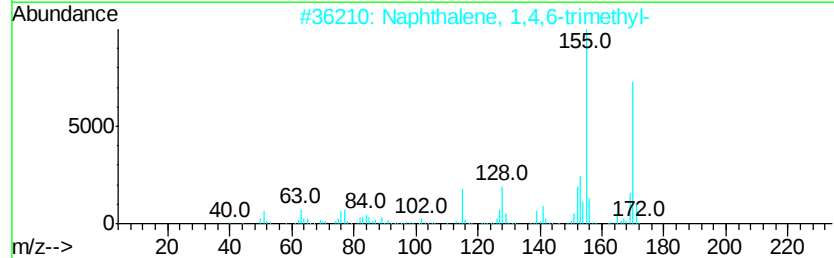
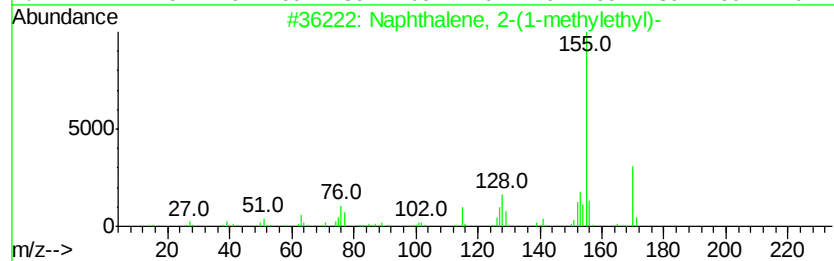
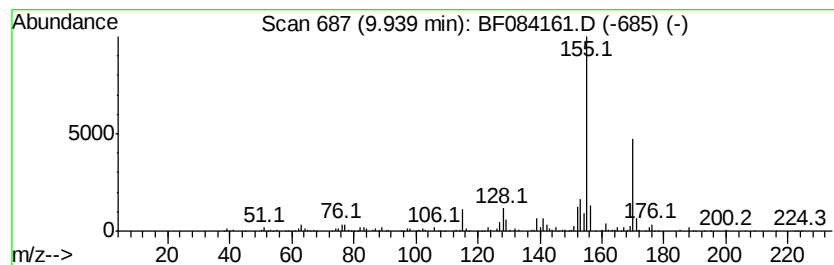
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2-(1-methyleth... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.94	19.41 ng	1519480	Acenaphthene-d10	9.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	86
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
4		2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	74
5		1'-Acetonaphthone	170	C12H10O	000941-98-0	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122815\
Data File : BF084161.D
Acq On : 28 Dec 2015 17:49
Operator : UM/SJ
Sample : G4960-06 25X
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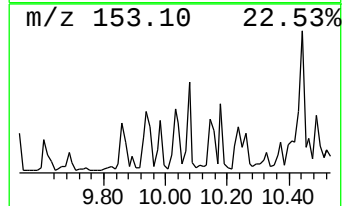
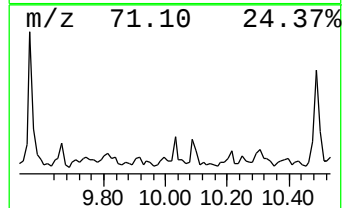
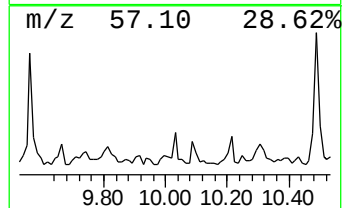
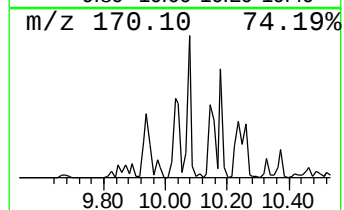
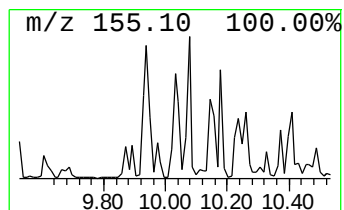
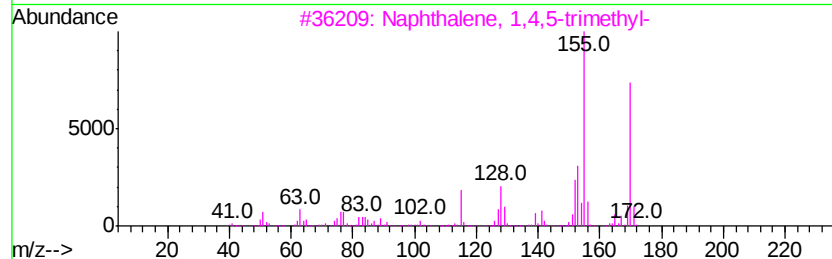
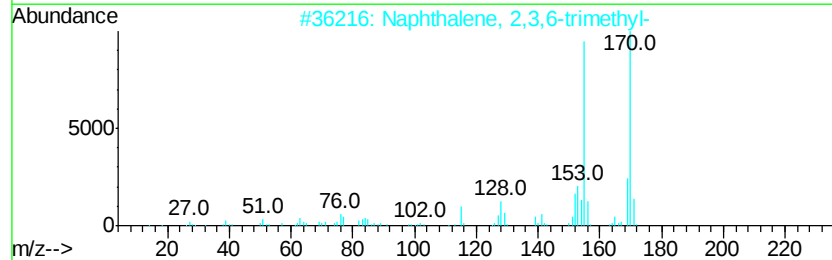
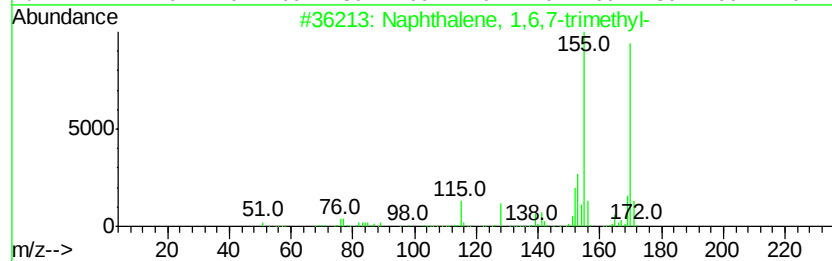
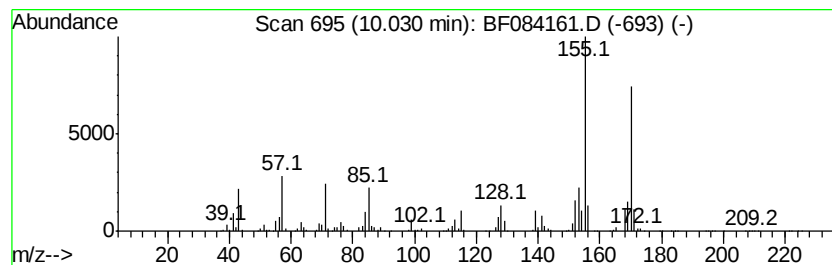
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 1,6,7-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.03	24.04 ng	1881720	Acenaphthene-d10	9.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
4		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
5		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122815\
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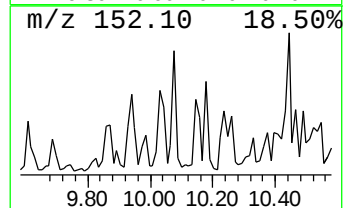
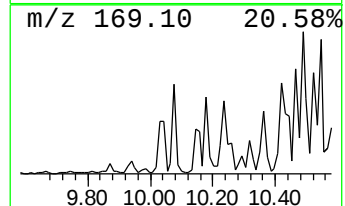
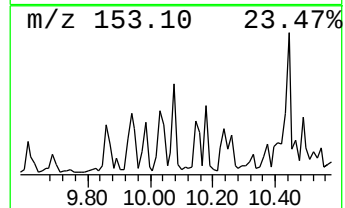
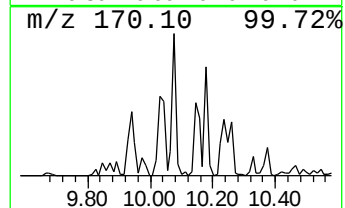
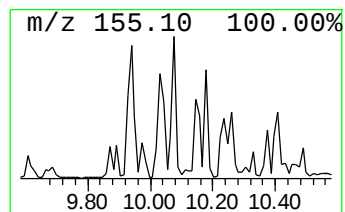
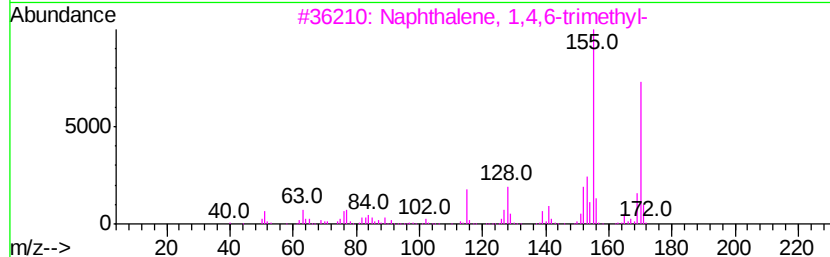
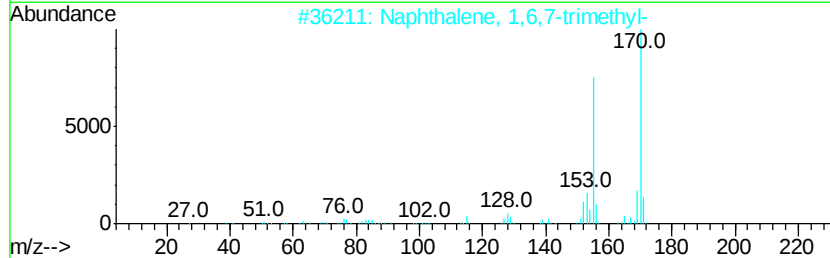
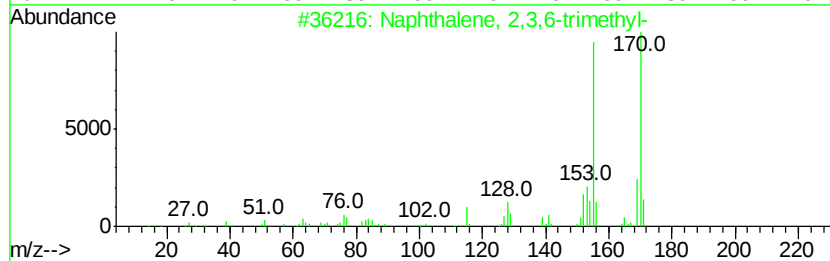
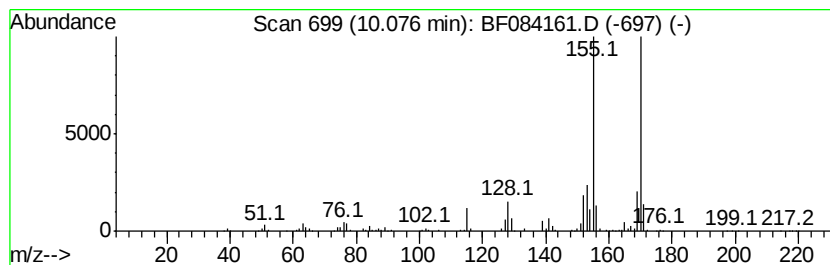
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 2,3,6-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	24.72 ng	1934720	Acenaphthene-d10	9.82
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3,6-trimethyl-	170 C13H14	000829-26-5 98
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 : G4960-06 25X
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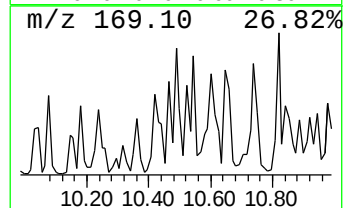
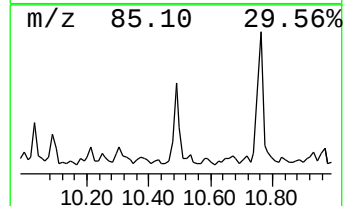
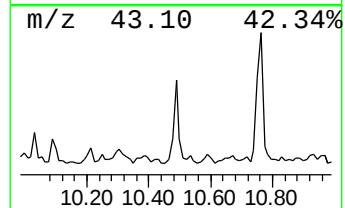
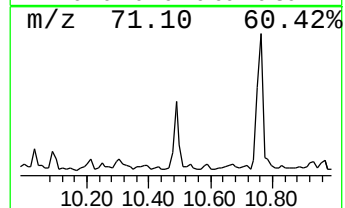
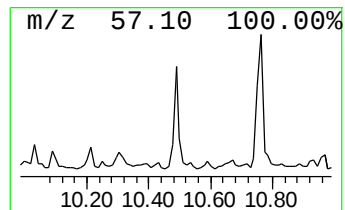
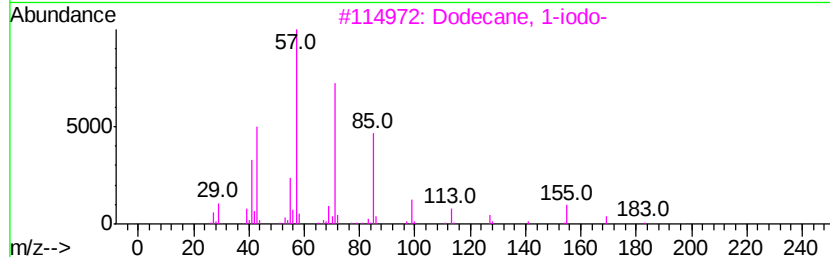
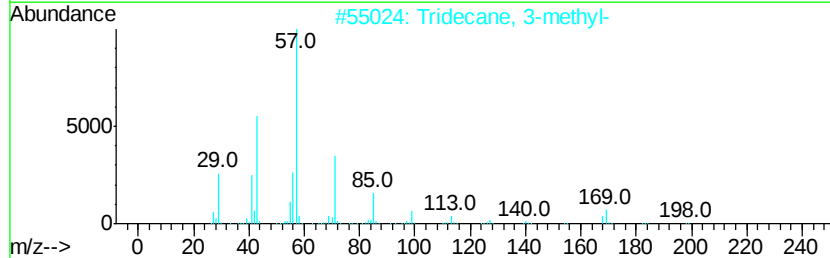
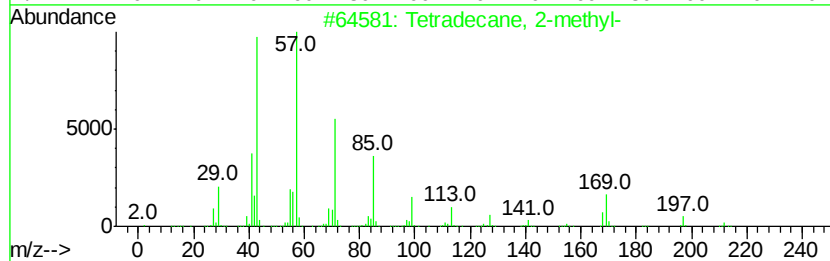
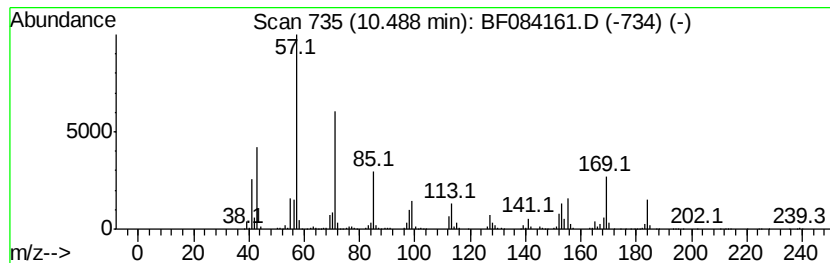
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Tetradecane, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.49	21.93 ng	1716270	Acenaphthene-d10	9.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	50
2	Tridecane, 3-methyl-	198	C14H30	006418-41-3	47
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	43
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	43
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122815\
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ClientSampleId :
PJ-SB-3(16.0-16.5)

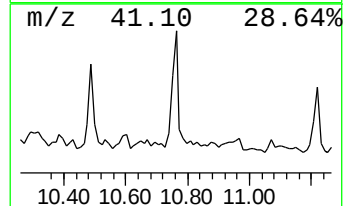
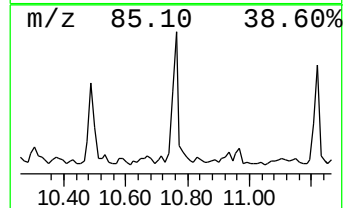
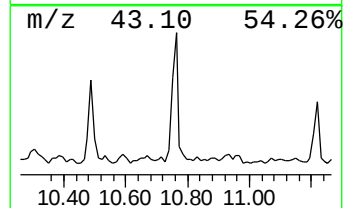
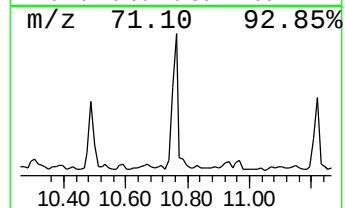
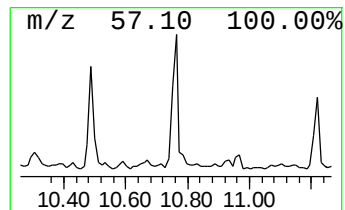
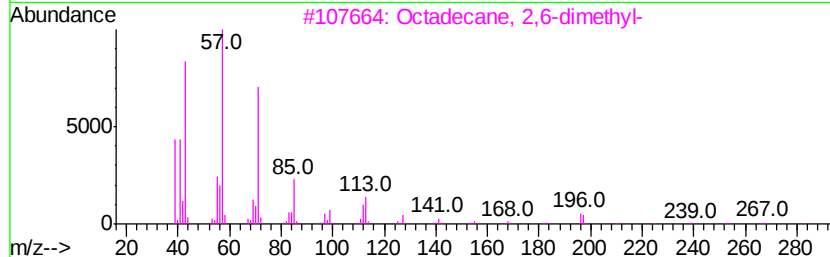
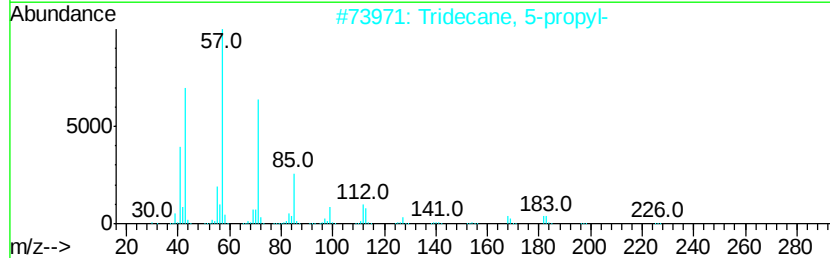
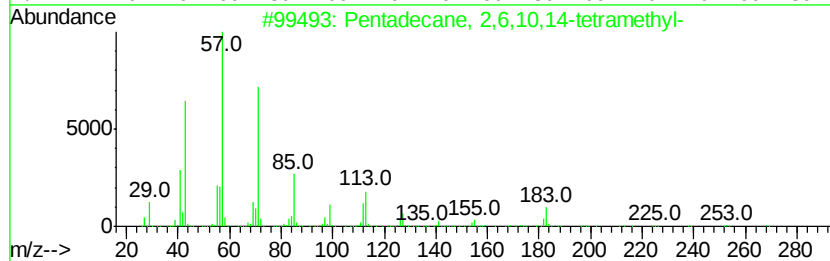
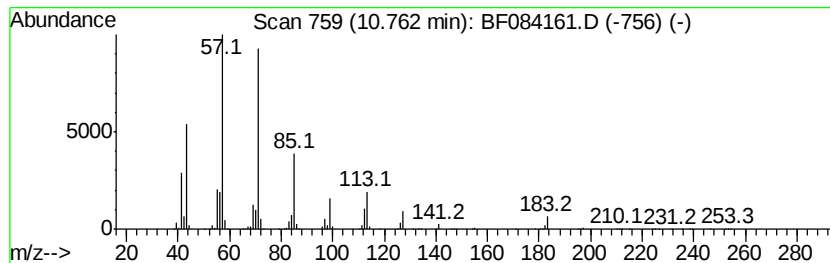
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	50.80 ng	2995960	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	80
2		Tridecane, 5-propyl-	226	C16H34	055045-11-9	76
3		Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	64
4		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	64
5		Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122815\
Data File : BF084161.D
Acq On : 28 Dec 2015 17:49
Operator : UM/SJ
Sample : G4960-06 25X
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ALS Vial : 8 Sample Multiplier: 1

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ClientSampleId :
PJ-SB-3(16.0-16.5)

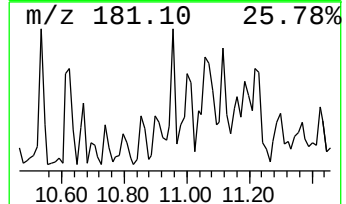
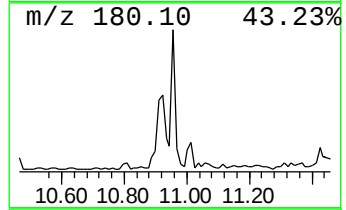
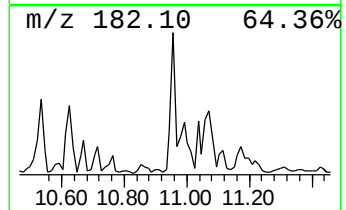
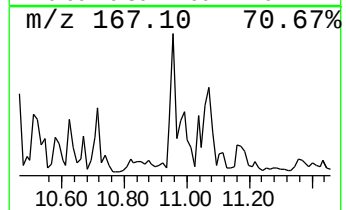
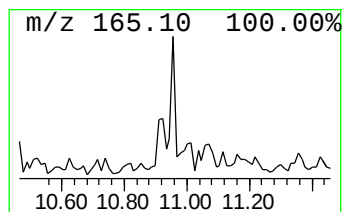
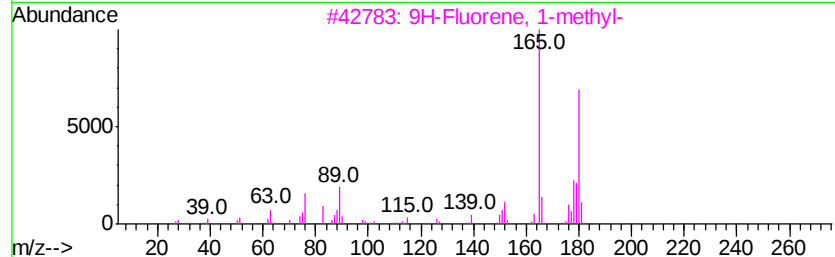
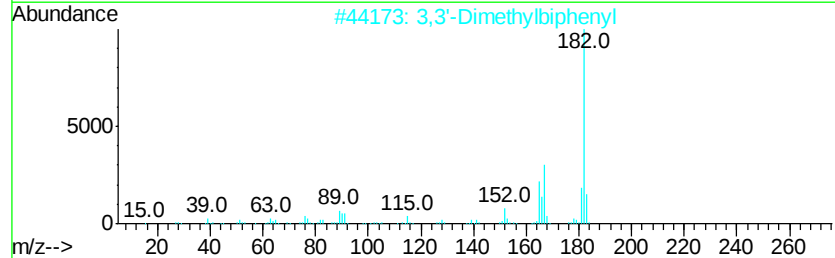
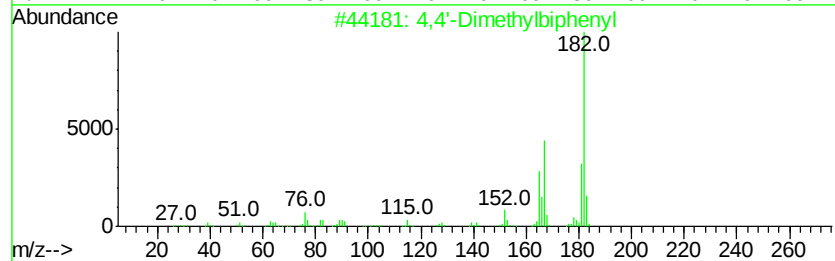
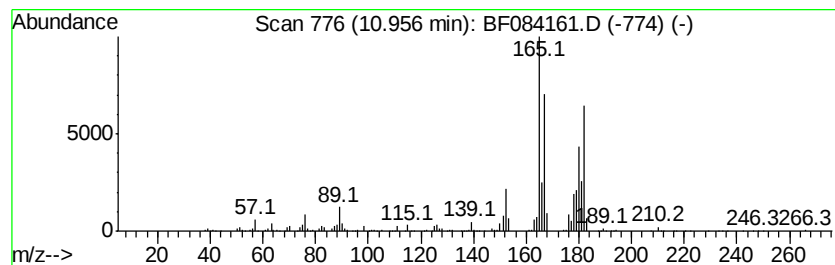
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 4,4'-Dimethylbiphenyl Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	35.06 ng	2067760	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	64
2		3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	60
3		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	50
4		Pentacyclo[6.4.0.1(1,8).1(2,7)]t...	180	C14H12	086120-84-5	50
5		1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122815\
Data File : BF084161.D
Acq On : 28 Dec 2015 17:49
Operator : UM/SJ
Sample : G4960-06 25X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PJ-SB-3(16.0-16.5)

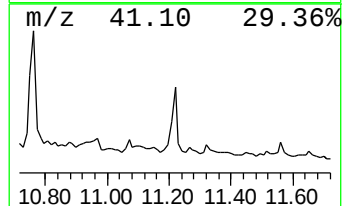
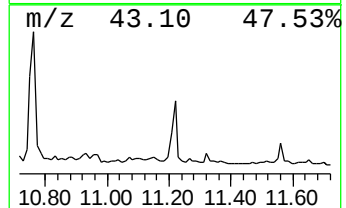
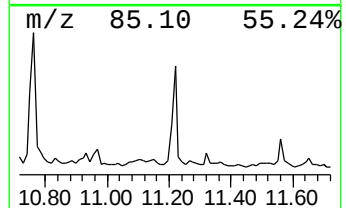
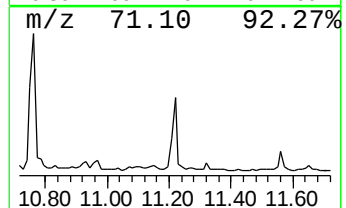
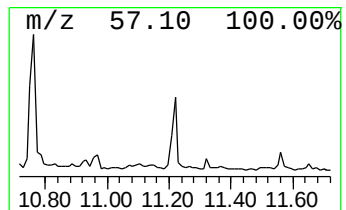
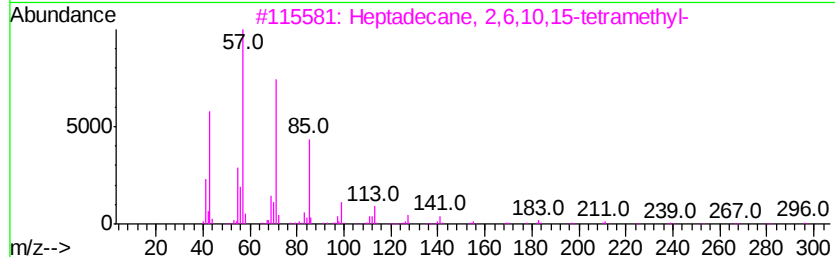
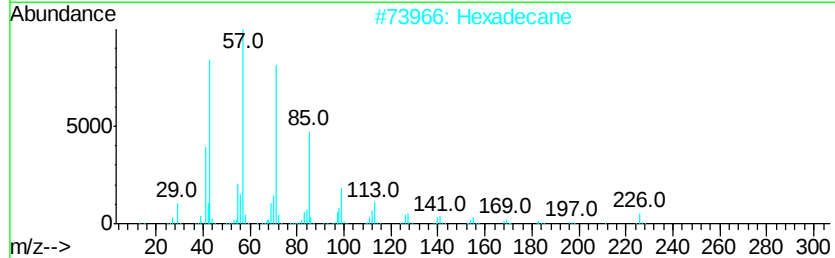
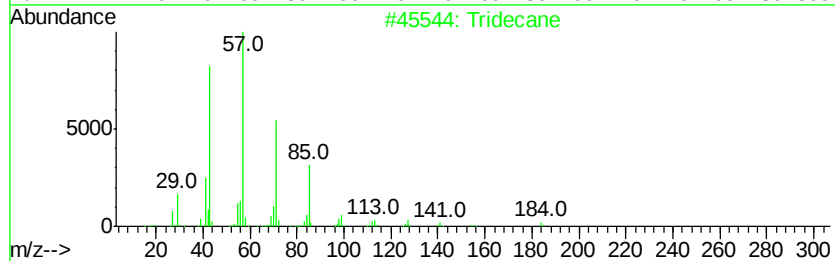
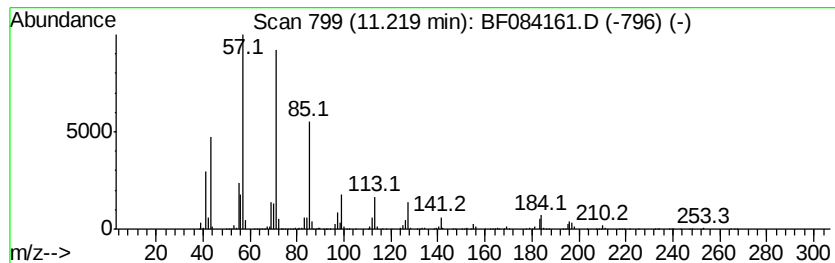
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Tridecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	32.96 ng	1943860	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		Decane, 3-methyl-	156	C11H24	013151-34-3	81
5		Tridecane, 7-methyl-	198	C14H30	026730-14-3	78



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122815\
 Data File : BF084161.D
 Acq On : 28 Dec 2015 17:49
 Operator : UM/SJ
 Sample : G4960-06 25X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-3(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
Cyclohexane, butyl-	6.93	27.6	ng	597734	1	6.78	433137	20.0
Decane, 5-methyl-	7.07	30.9	ng	669737	1	6.78	433137	20.0
Naphthalene, deca...	7.17	22.4	ng	484642	1	6.78	433137	20.0
Octane, 2,6-dimet...	8.51	17.5	ng	1913050	2	8.08	2183070	20.0
unknown9.25	9.25	17.4	ng	1358350	3	9.82	1565380	20.0
1H-Indene, 2,3-di...	9.30	23.6	ng	1849830	3	9.82	1565380	20.0
Naphthalene, 2,7-...	9.42	34.4	ng	2688920	3	9.82	1565380	20.0
Naphthalene, 2,3-...	9.49	37.8	ng	2960270	3	9.82	1565380	20.0
Naphthalene, 2,6-...	9.52	33.5	ng	2624990	3	9.82	1565380	20.0
Tritetracontane	9.56	30.9	ng	2419970	3	9.82	1565380	20.0
Naphthalene, 1,4-...	9.61	24.6	ng	1924880	3	9.82	1565380	20.0
Naphthalene, 2-(1...	9.94	19.4	ng	1519480	3	9.82	1565380	20.0
Naphthalene, 1,6,...	10.03	24.0	ng	1881720	3	9.82	1565380	20.0
Naphthalene, 2,3,...	10.08	24.7	ng	1934720	3	9.82	1565380	20.0
Tetradecane, 2-me...	10.49	21.9	ng	1716270	3	9.82	1565380	20.0
Pentadecane, 2,6,...	10.76	50.8	ng	2995960	4	11.31	1179470	20.0
4,4'-Dimethylbiph...	10.96	35.1	ng	2067760	4	11.31	1179470	20.0
Tridecane	11.22	33.0	ng	1943860	4	11.31	1179470	20.0