

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
 Data File : BF084228.D
 Acq On : 1 Jan 2016 6:39
 Operator : UM/SJ
 Sample : G4960-05 50X
 Misc :
 ALS Vial : 39 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-BF123115.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	6.053	344	347	349	rVB2	380652	492573	4.67%	0.184%
2	6.144	353	355	359	rVV2	844150	1166382	11.05%	0.435%
3	6.202	359	360	362	rVV	405083	392756	3.72%	0.147%
4	6.236	362	363	369	rVB4	138334	424809	4.02%	0.158%
5	6.339	369	372	373	rBV	515709	598180	5.67%	0.223%
6	6.407	375	378	379	rVV2	354708	590905	5.60%	0.220%
7	6.430	379	380	384	rVV	664870	872021	8.26%	0.325%
8	6.499	384	386	387	rBV	256478	360654	3.42%	0.135%
9	6.579	390	393	394	rVV3	212474	360966	3.42%	0.135%
10	6.647	396	399	400	rVV	482914	810040	7.67%	0.302%
11	6.670	400	401	405	rVB3	486501	849712	8.05%	0.317%
12	6.762	405	409	410	rBV3	382638	599539	5.68%	0.224%
13	6.922	419	423	425	rVB2	2223964	3932616	37.26%	1.467%
14	6.967	425	427	428	rBV	581477	630135	5.97%	0.235%
15	7.024	428	432	433	rBV3	670598	1076956	10.20%	0.402%
16	7.059	433	435	436	rVV	1221798	1499167	14.20%	0.559%
17	7.082	436	437	439	rVB	456743	592631	5.61%	0.221%
18	7.139	439	442	443	rBV2	537179	804477	7.62%	0.300%
19	7.185	443	446	447	rVB	1368743	1481266	14.03%	0.553%
20	7.219	447	449	451	rVB2	705280	788067	7.47%	0.294%
21	7.299	454	456	458	rBV	1439436	1472178	13.95%	0.549%
22	7.447	465	469	470	rBV	1783703	2948058	27.93%	1.100%
23	7.482	470	472	476	rVB4	836571	1845370	17.48%	0.688%
24	7.550	476	478	480	rVB3	1362968	2240624	21.23%	0.836%
25	7.619	480	484	486	rBV3	1392214	3100024	29.37%	1.156%
26	7.710	486	492	494	rVB6	1321973	3988320	37.79%	1.488%
27	7.745	494	495	497	rBV2	402108	420627	3.99%	0.157%
28	7.813	497	501	505	rBV5	1818627	4799445	45.47%	1.790%
29	7.870	505	506	508	rVB2	1432718	1785325	16.91%	0.666%
30	7.927	508	511	513	rBV3	1371717	2585087	24.49%	0.964%
31	7.962	513	514	516	rVB2	975646	856964	8.12%	0.320%
32	8.019	516	519	521	rBV3	961832	1505784	14.27%	0.562%
33	8.065	521	523	525	rBV2	1224973	1667097	15.79%	0.622%
34	8.156	527	531	532	rBV3	1274263	3341375	31.66%	1.247%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
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35	8.190	532	534	535	rVV2	3298812	4270660	40.46%	1.593%
36	8.259	538	540	541	rVV	5714747	5121580	48.52%	1.911%
37	8.282	541	542	544	rVV2	1310273	1406790	13.33%	0.525%
38	8.350	546	548	549	rBV2	1110732	1391252	13.18%	0.519%
39	8.396	550	552	556	rVB3	1232310	1579269	14.96%	0.589%
40	8.488	556	560	562	rBV4	3037564	4789573	45.38%	1.787%
41	8.579	566	568	570	rVV2	2011559	1812322	17.17%	0.676%
42	8.625	570	572	574	rVV	6169185	6948606	65.83%	2.592%
43	8.659	574	575	577	rVB2	1913658	1440550	13.65%	0.537%
44	8.705	577	579	580	rBV	1544059	1726167	16.35%	0.644%
45	8.739	580	582	585	rVV3	1196197	2476004	23.46%	0.924%
46	8.785	585	586	589	rVV3	1436200	3386046	32.08%	1.263%
47	8.853	589	592	593	rVV3	2132903	4328112	41.00%	1.615%
48	8.888	593	595	598	rVB2	3406733	5289691	50.12%	1.973%
49	8.945	598	600	601	rBV	924777	746242	7.07%	0.278%
50	9.013	601	606	610	rVV6	2848805	7970509	75.51%	2.973%
51	9.070	610	611	613	rVV2	1017445	1884322	17.85%	0.703%
52	9.105	613	614	616	rVV2	2680129	2529314	23.96%	0.944%
53	9.139	616	617	620	rVV3	942490	1685379	15.97%	0.629%
54	9.219	622	624	626	rVV	5441223	7069175	66.97%	2.637%
55	9.253	626	627	629	rVV2	574716	923766	8.75%	0.345%
56	9.368	633	637	638	rVV2	2187031	4171620	39.52%	1.556%
57	9.425	638	642	644	rVV3	1893523	5466596	51.79%	2.039%
58	9.470	644	646	648	rVV	2453316	3077896	29.16%	1.148%
59	9.539	649	652	654	rVV2	3859485	6380067	60.45%	2.380%
60	9.619	654	659	660	rVV	4499656	9514913	90.15%	3.550%
61	9.676	662	664	667	rVV2	7019523	10532550	99.79%	3.929%
62	9.733	667	669	671	rVV	2015086	3343834	31.68%	1.247%
63	9.813	675	676	678	rVV2	1724797	2113947	20.03%	0.789%
64	9.859	678	680	682	rVB3	1828583	2123460	20.12%	0.792%
65	9.905	682	684	685	rBV2	511719	754929	7.15%	0.282%
66	9.951	685	688	689	rVV3	2912844	4524212	42.86%	1.688%
67	9.996	689	692	696	rVB4	1200611	3318488	31.44%	1.238%
68	10.053	696	697	700	rVB	2613985	3636126	34.45%	1.356%
69	10.099	700	701	703	rBV2	1156534	1823265	17.27%	0.680%
70	10.156	703	706	708	rVB2	3779479	4620137	43.77%	1.724%
71	10.213	708	711	714	rVB3	2639143	6373809	60.39%	2.378%

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72	10.271	714	716	717 rBV	3188430	3320898	31.46%	1.239%
73	10.362	722	724	727 rVB2	2335685	3621107	34.31%	1.351%
74	10.419	727	729	730 rBV2	991421	1619934	15.35%	0.604%
75	10.499	733	736	737 rBV3	1274421	2583183	24.47%	0.964%
76	10.613	743	746	747 rVB	5677336	7251398	68.70%	2.705%
77	10.648	747	749	752 rVB3	1593757	3411571	32.32%	1.273%
78	10.716	752	755	759 rBV5	1603659	4785554	45.34%	1.785%
79	10.773	759	760	763 rVB2	1502507	2221331	21.05%	0.829%
80	10.831	763	765	766 rBV	770434	1376805	13.04%	0.514%
81	10.876	766	769	772 rVB2	8987889	10555092	100.00%	3.938%
82	10.933	772	774	777 rBV3	869606	1223866	11.60%	0.457%
83	11.048	782	784	785 rVV2	1250552	1700339	16.11%	0.634%
84	11.082	785	787	789 rVV2	2136938	3282869	31.10%	1.225%
85	11.196	792	797	800 rBV5	1776959	3070578	29.09%	1.146%
86	11.334	807	809	813 rVB	4879063	6537309	61.94%	2.439%
87	11.436	816	818	822 rVV3	1763680	3207992	30.39%	1.197%
88	11.551	825	828	829 rBV2	739455	1063813	10.08%	0.397%
89	11.688	837	840	844 rVB3	1613618	2787138	26.41%	1.040%
90	11.768	844	847	851 rVB4	829676	2057890	19.50%	0.768%
91	11.939	860	862	863 rBV	876406	953458	9.03%	0.356%
92	11.962	863	864	866 rVB	1536545	1221595	11.57%	0.456%
93	12.042	869	871	876 rVB3	1170464	2269192	21.50%	0.847%
94	12.305	892	894	897 rVV4	269401	403898	3.83%	0.151%
95	12.374	898	900	901 rVV2	441893	576004	5.46%	0.215%
96	12.408	901	903	907 rVV2	768703	1378643	13.06%	0.514%
97	12.476	907	909	911 rVV	639948	931756	8.83%	0.348%
98	13.014	954	956	961 rVB2	307510	453278	4.29%	0.169%
99	14.065	1045	1048	1050 rBV	1410602	1433653	13.58%	0.535%
100	15.505	1171	1174	1177 rBV	1113375	1323699	12.54%	0.494%

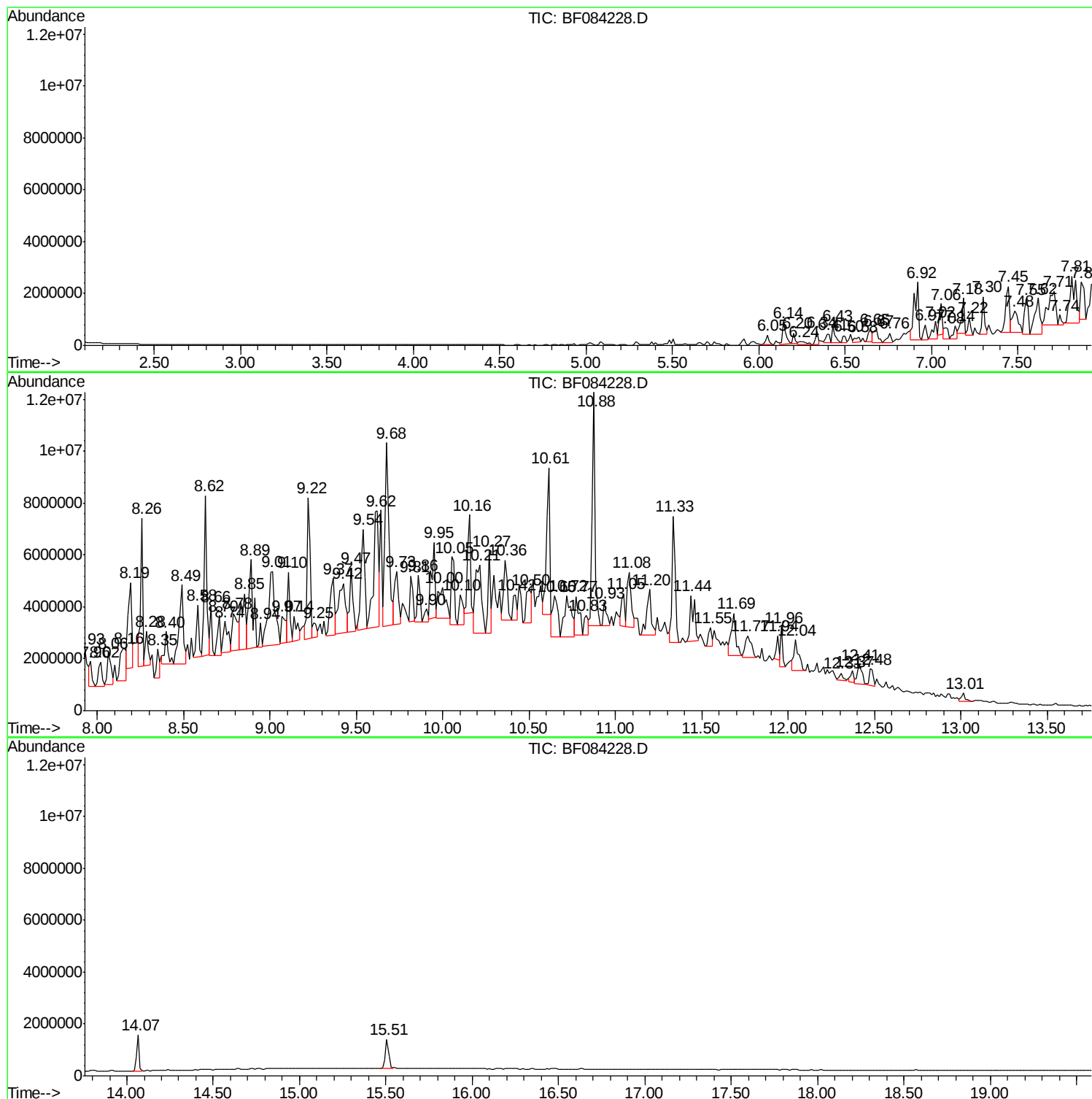
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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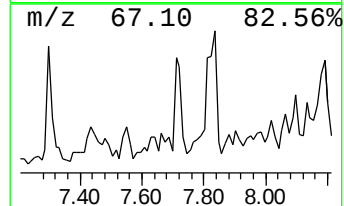
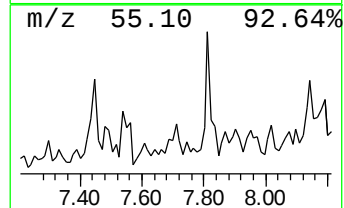
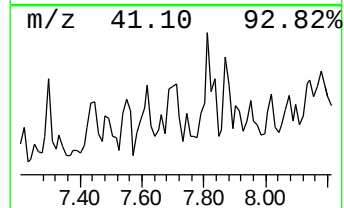
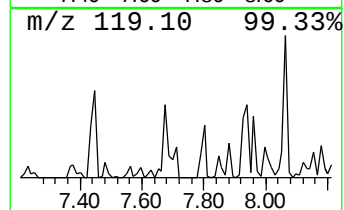
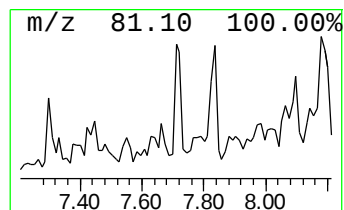
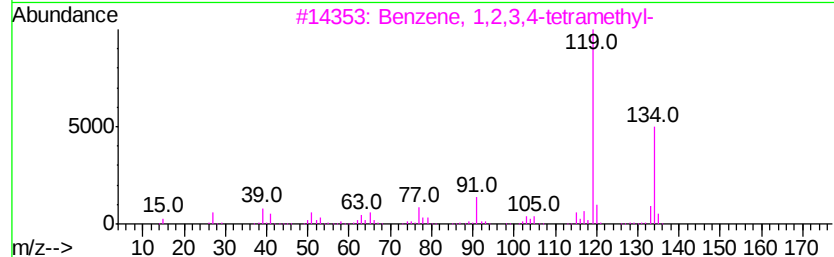
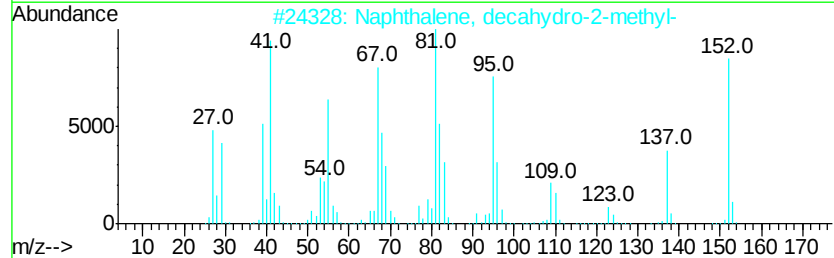
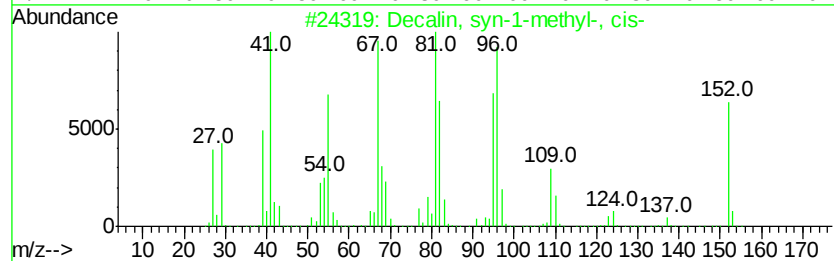
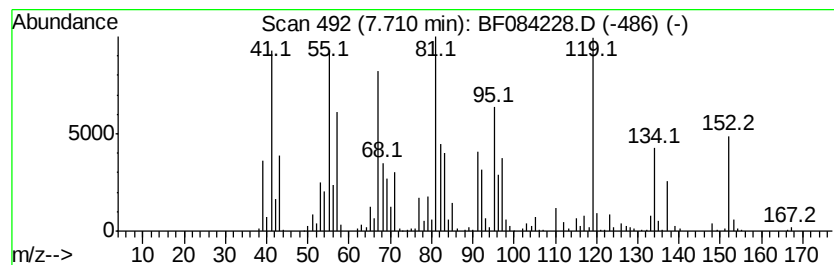
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Decalin, syn-1-methyl-, cis- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.71	18.68 ng	3988320	Naphthalene-d8	8.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	55
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	55
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	53
4		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	53
5		Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	029606-79-9	38



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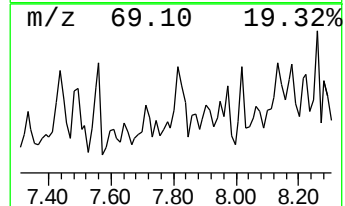
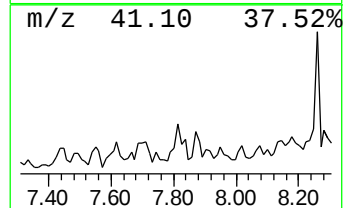
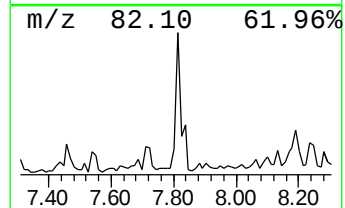
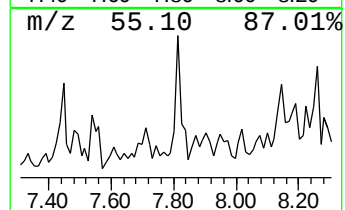
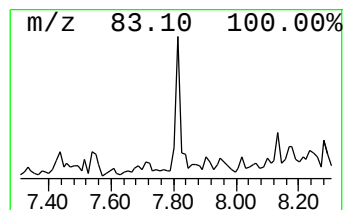
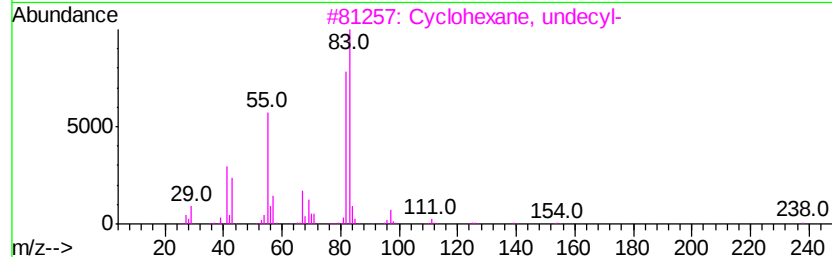
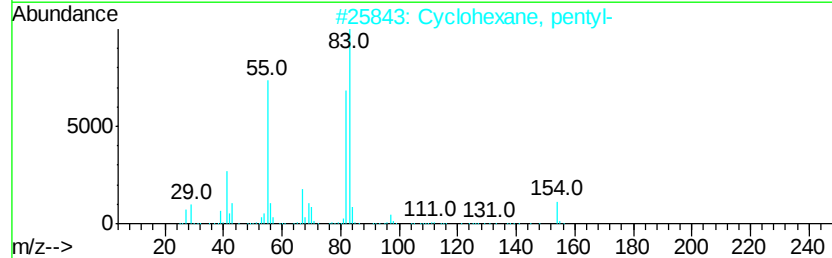
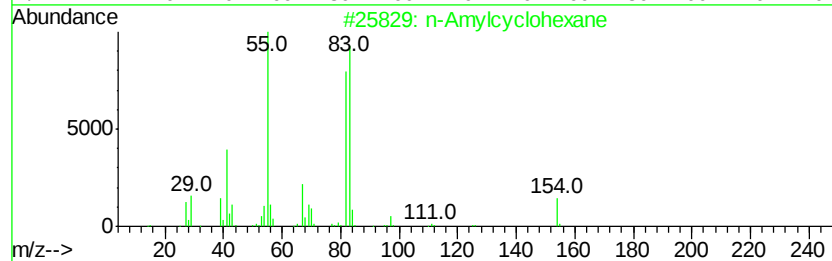
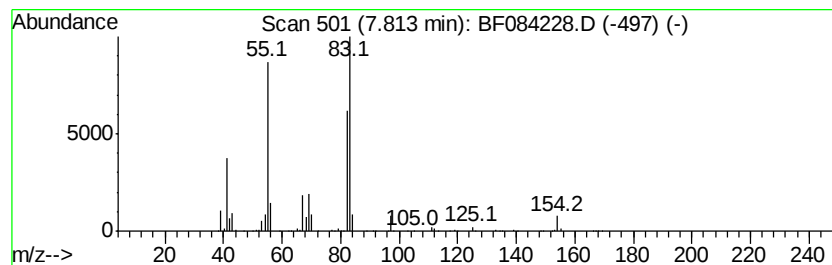
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 n-Amylcyclohexane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.81	22.48 ng	4799450	Napthalene-d8	8.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Amylcyclohexane	154	C11H22	029949-27-7	91
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	91
3		Cyclohexane, undecyl-	238	C17H34	054105-66-7	83
4		Cyclohexane, tetradecyl-	280	C20H40	001795-18-2	78
5		Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	78



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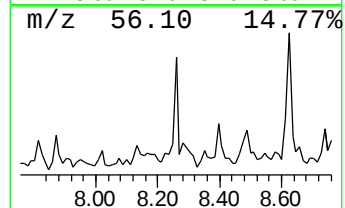
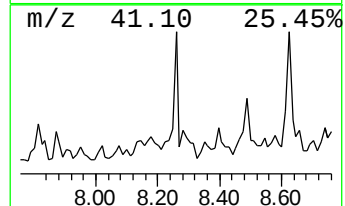
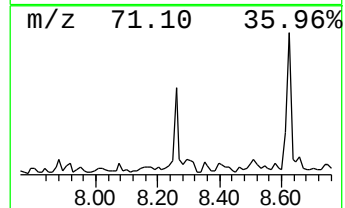
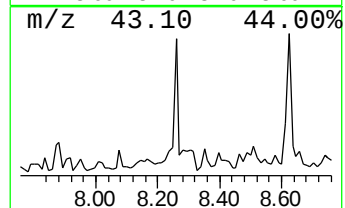
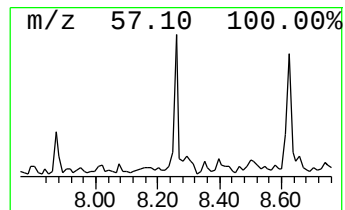
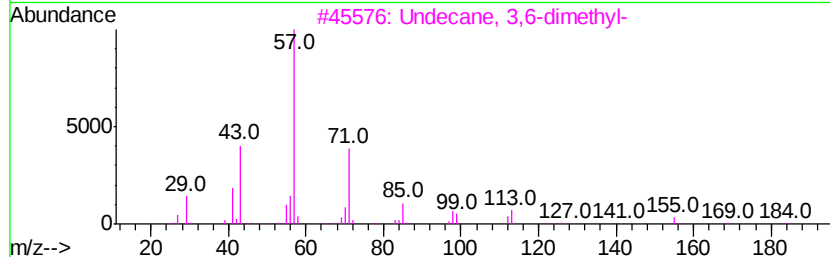
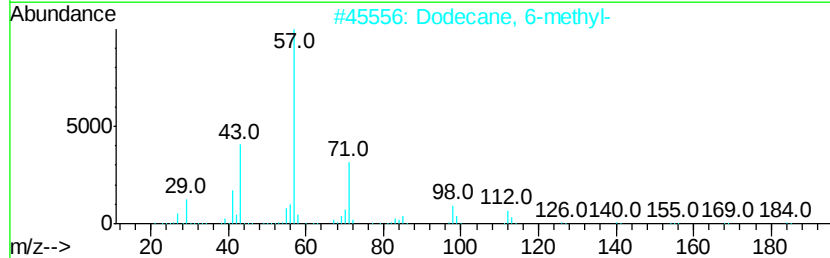
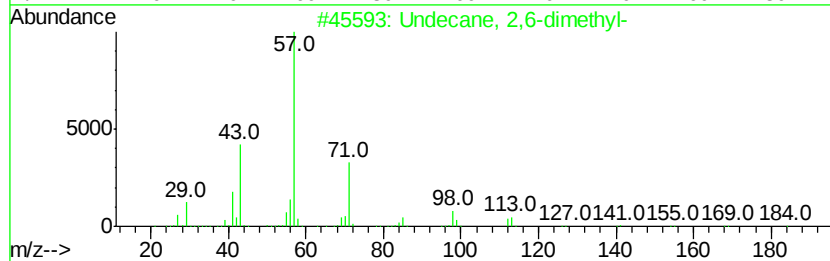
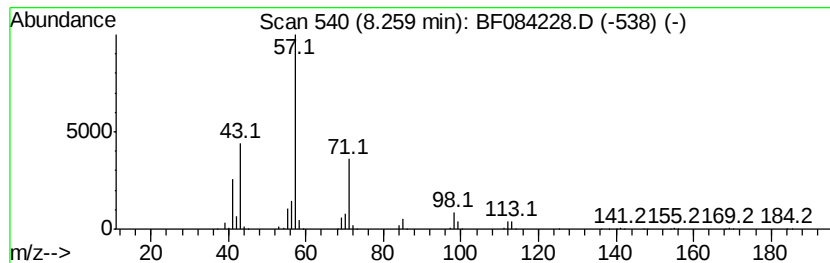
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Undecane, 2,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.26	23.99 ng	5121580	Napthalene-d8	8.19		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane,	2,6-dimethyl-	184	C13H28	017301-23-4	87
2	Dodecane,	6-methyl-	184	C13H28	006044-71-9	86
3	Undecane,	3,6-dimethyl-	184	C13H28	017301-28-9	78
4	Undecane,	2,5-dimethyl-	184	C13H28	017301-22-3	72
5	Decane,	2,5,9-trimethyl-	184	C13H28	062108-22-9	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
Data File : BF084228.D
Acq On : 1 Jan 2016 6:39
Operator : UM/SJ
Sample : G4960-05 50X
Misc :
ALS Vial : 39 Sample Multiplier: 1

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

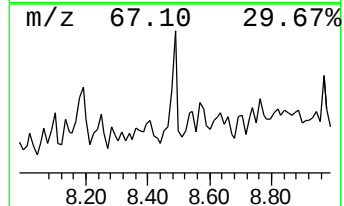
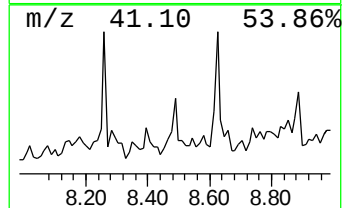
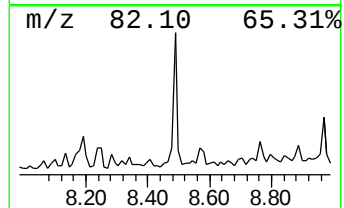
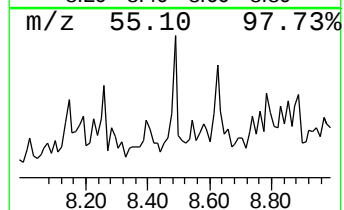
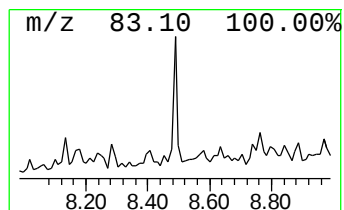
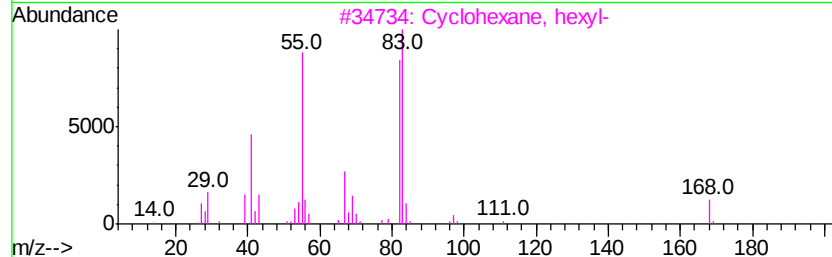
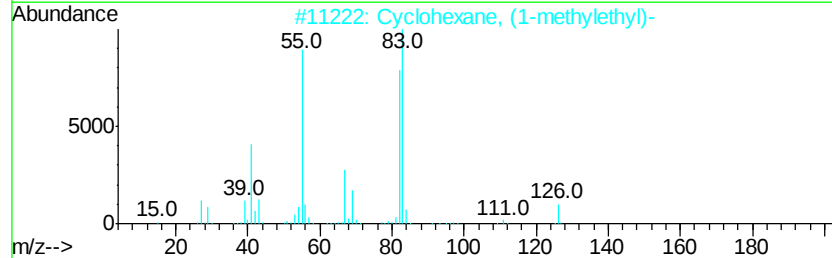
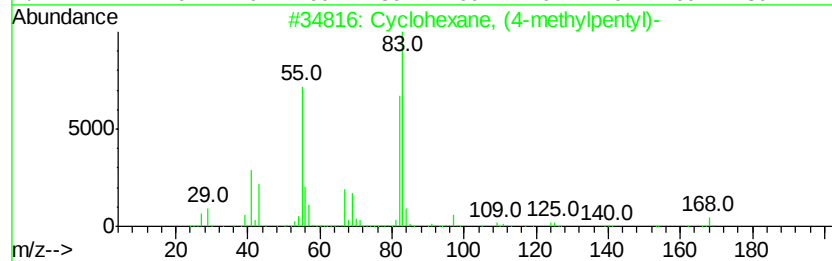
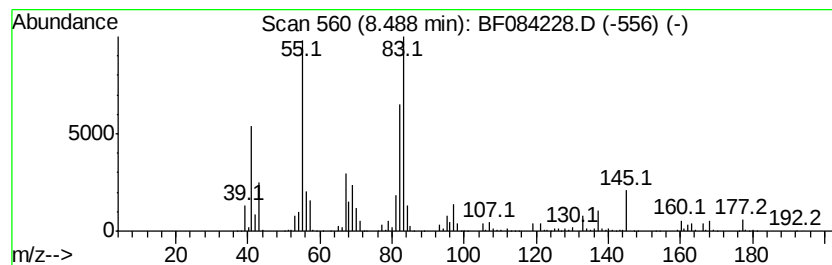
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Cyclohexane, (4-methylpentyl)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	22.43 ng	4789570	Naphthalene-d8	8.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	68
2		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64
3		Cyclohexane, hexyl-	168	C12H24	004292-75-5	64
4		Cyclohexane, butyl-	140	C10H20	001678-93-9	59
5		Cyclohexane, ethyl-	112	C8H16	001678-91-7	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
Data File : BF084228.D
Acq On : 1 Jan 2016 6:39
Operator : UM/SJ
Sample : G4960-05 50X
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Instrument :
BNA_F
ClientSampleId :
PJ-SB-300(16.0-16.5)

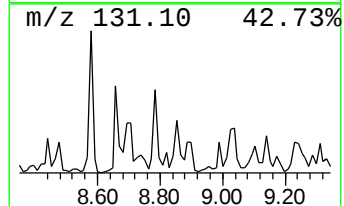
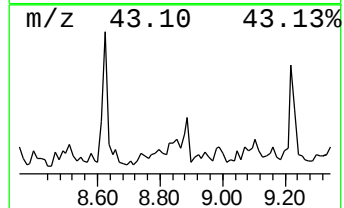
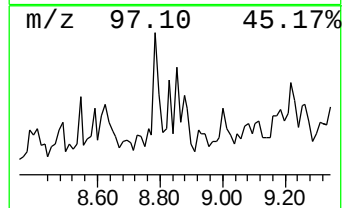
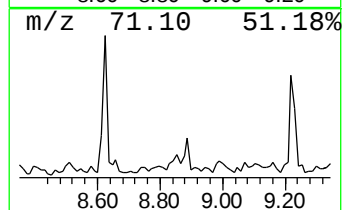
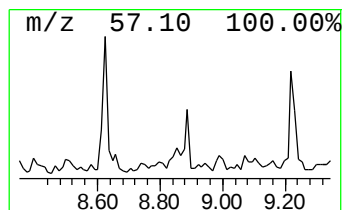
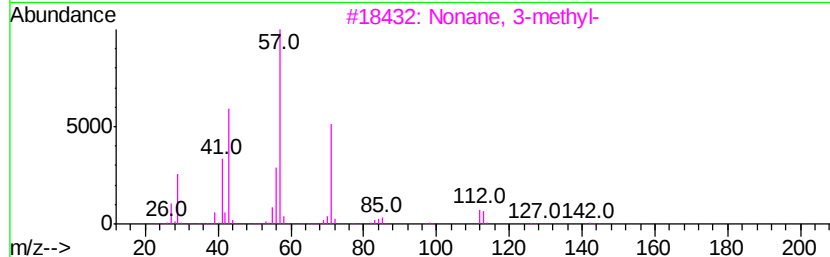
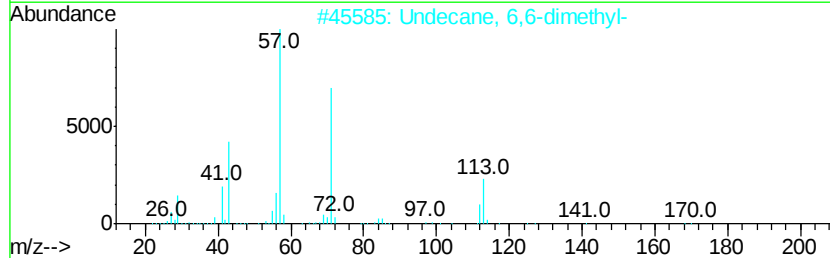
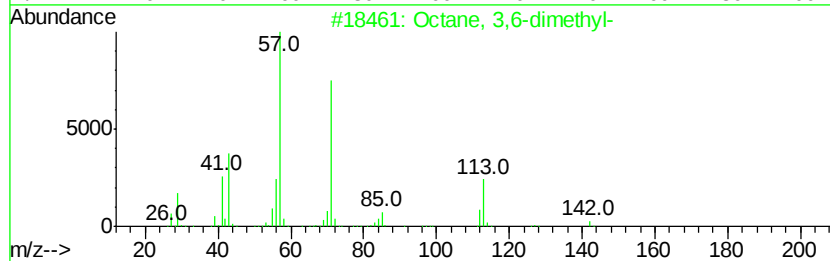
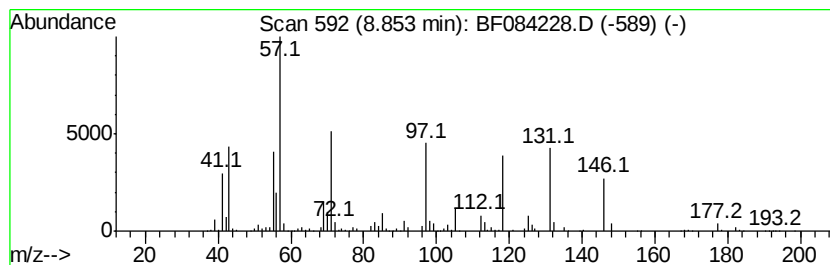
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown8.85 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	20.27 ng	4328110	Napthalene-d8	8.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	22
2		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	22
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	22
4		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	14
5		Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	14



Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
Data File : BF084228.D
Acq On : 1 Jan 2016 6:39
Operator : UM/SJ
Sample : G4960-05 50X
Misc :
ALS Vial : 39 Sample Multiplier: 1

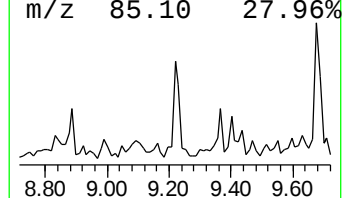
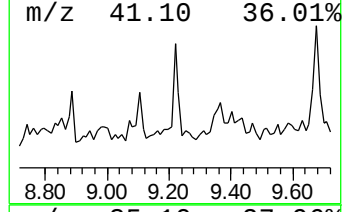
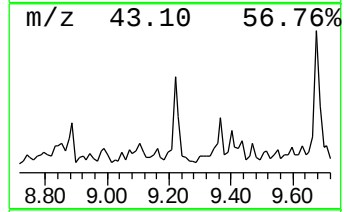
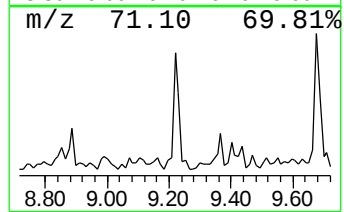
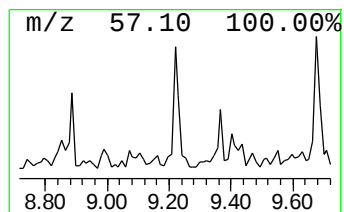
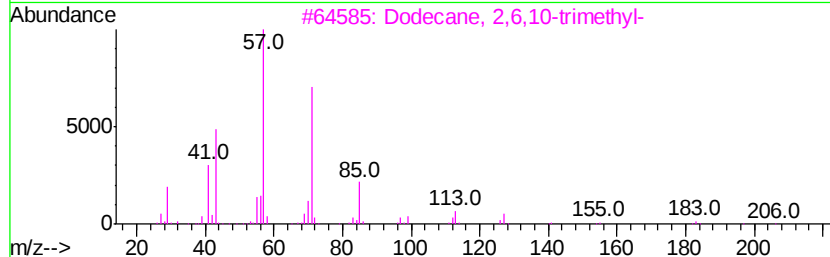
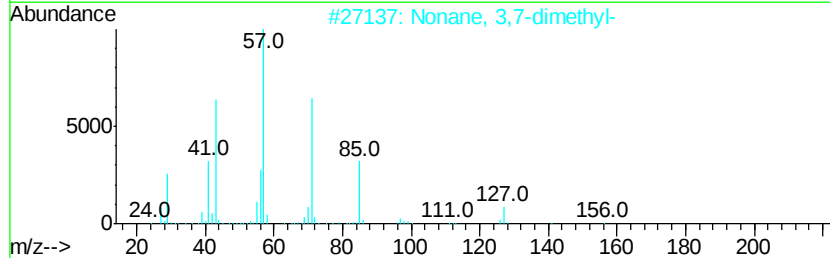
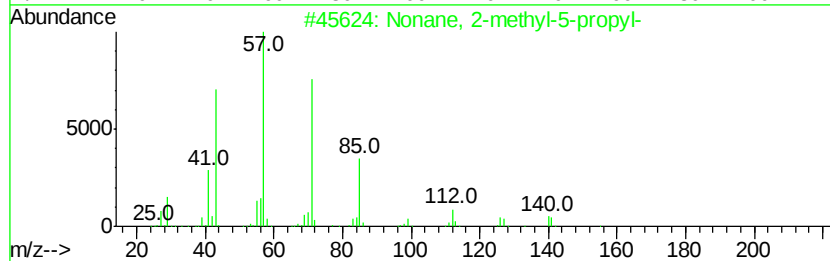
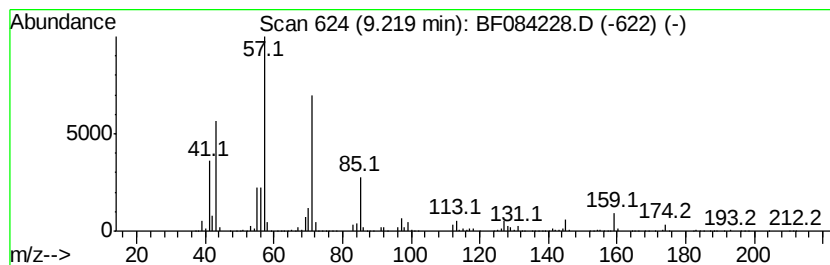
Instrument :
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ClientSampleId :
PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Nonane, 2-methyl-5-propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	31.25 ng	7069180	Acenaphthene-d10	9.95
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonane, 2-methyl-5-propyl-	184 C13H28	031081-17-1	59
2	Nonane, 3,7-dimethyl-	156 C11H24	017302-32-8	58
3	Dodecane, 2,6,10-trimethyl-	212 C15H32	003891-98-3	53
4	Dodecane, 2,7,10-trimethyl-	212 C15H32	074645-98-0	49
5	Nonane, 5-butyl-	184 C13H28	017312-63-9	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
Data File : BF084228.D
Acq On : 1 Jan 2016 6:39
Operator : UM/SJ
Sample : G4960-05 50X
Misc :
ALS Vial : 39 Sample Multiplier: 1

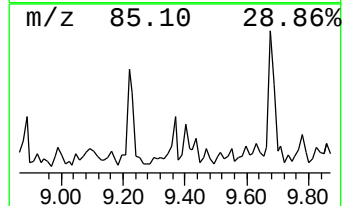
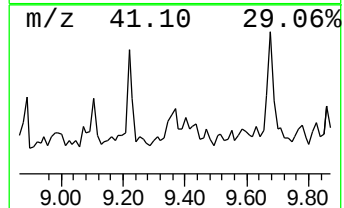
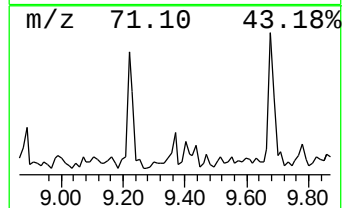
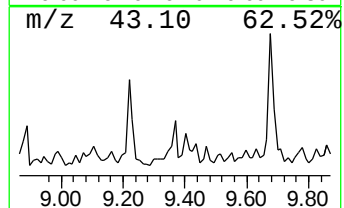
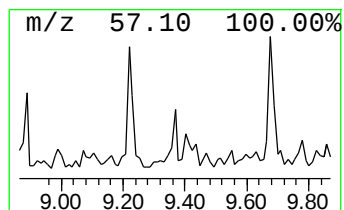
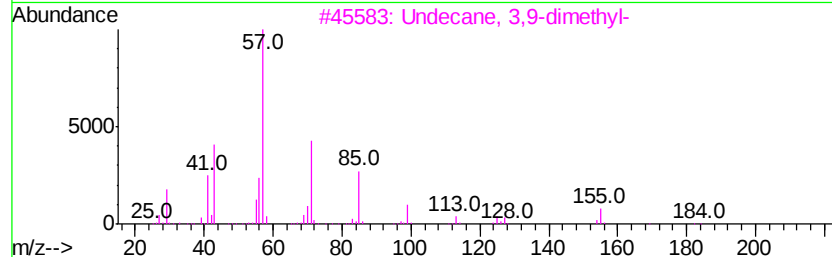
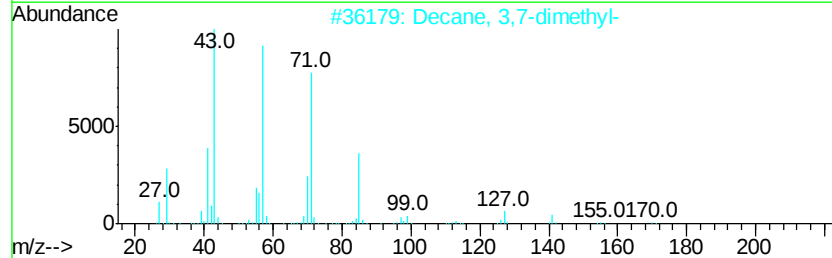
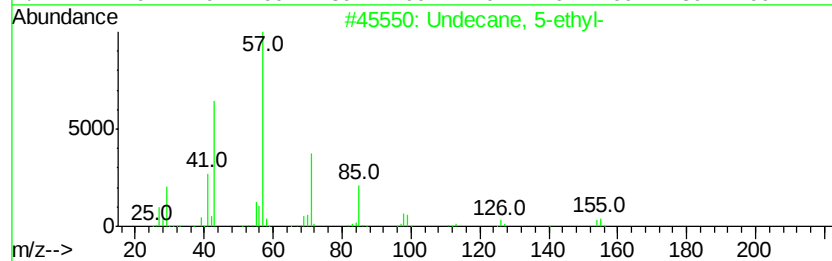
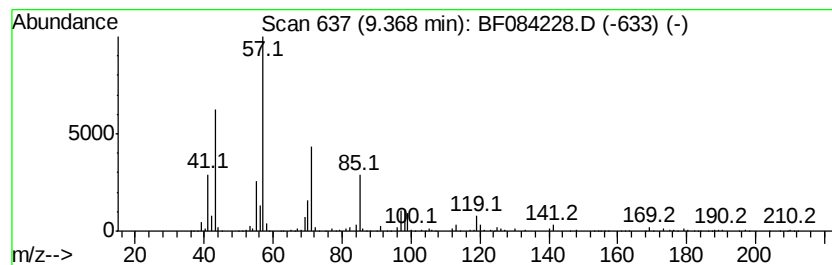
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PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Undecane, 5-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.		
9.37	18.44 ng	4171620	Acenaphthene-d10	9.95		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5-ethyl-		184	C13H28	017453-94-0	64
2	Decane, 3,7-dimethyl-		170	C12H26	017312-54-8	58
3	Undecane, 3,9-dimethyl-		184	C13H28	017301-31-4	53
4	Dodecane, 3-methyl-		184	C13H28	017312-57-1	53
5	Eicosane		282	C20H42	000112-95-8	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
Data File : BF084228.D
Acq On : 1 Jan 2016 6:39
Operator : UM/SJ
Sample : G4960-05 50X
Misc :
ALS Vial : 39 Sample Multiplier: 1

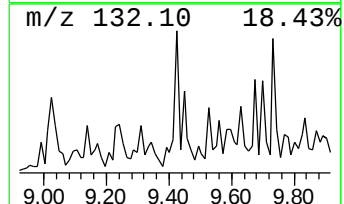
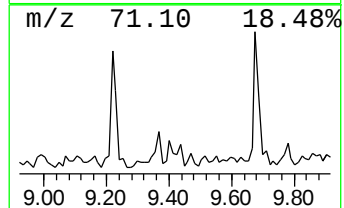
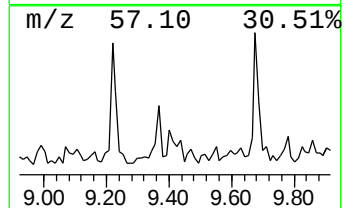
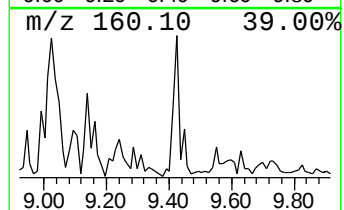
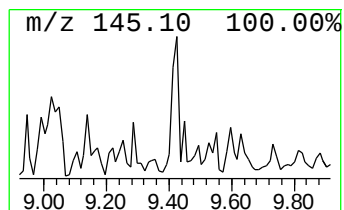
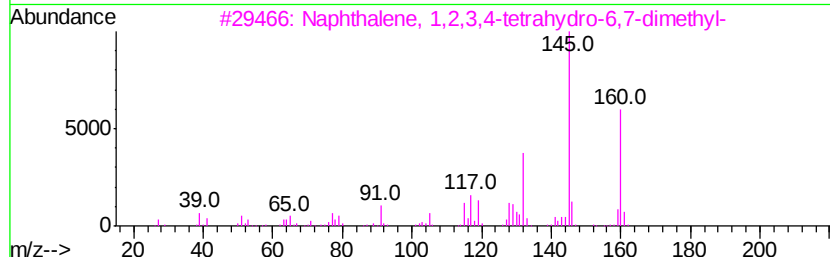
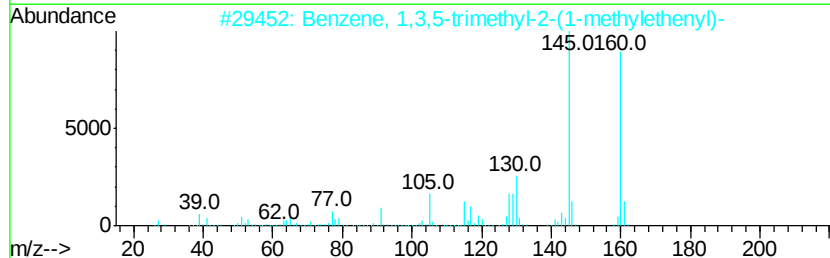
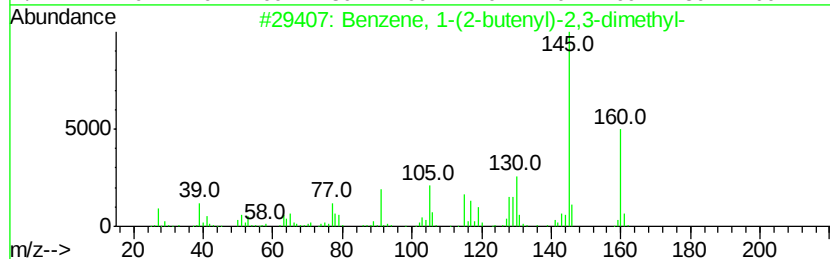
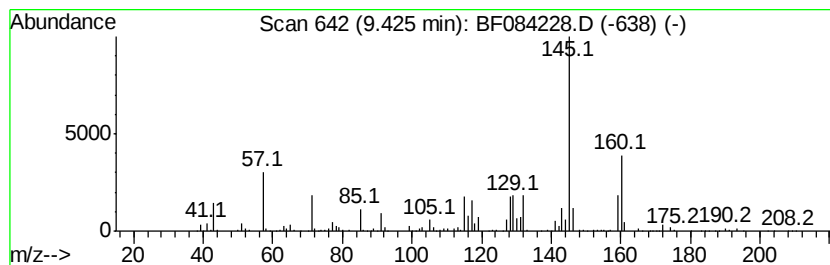
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzene, 1-(2-butenyl)-2,3-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	24.17 ng	5466600	Acenaphthene-d10	9.95
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-(2-butenyl)-2,3-dimet...	160 C12H16	054340-85-1 91
2		Benzene, 1,3,5-trimethyl-2-(1-me...	160 C12H16	014679-13-1 91
3		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	001076-61-5 87
4		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	004175-54-6 87
5		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	021564-91-0 87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
Data File : BF084228.D
Acq On : 1 Jan 2016 6:39
Operator : UM/SJ
Sample : G4960-05 50X
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ClientSampleId :
PJ-SB-300(16.0-16.5)

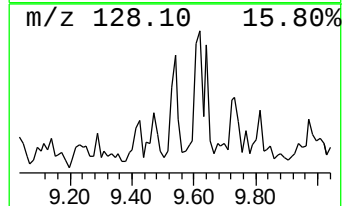
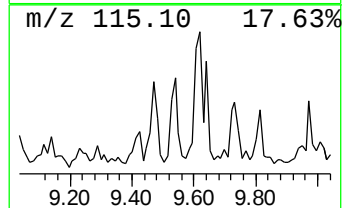
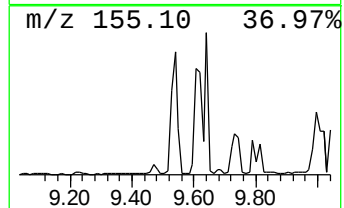
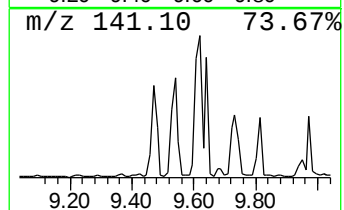
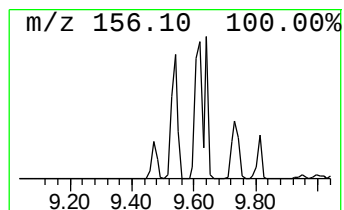
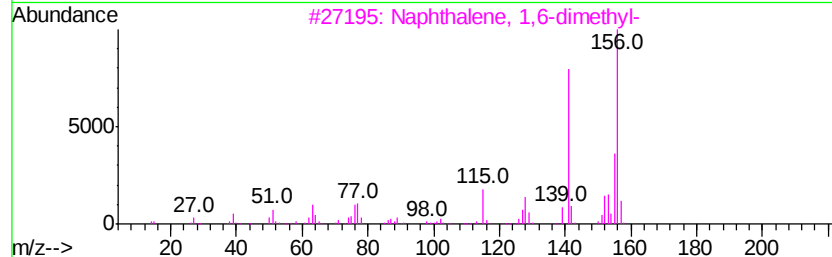
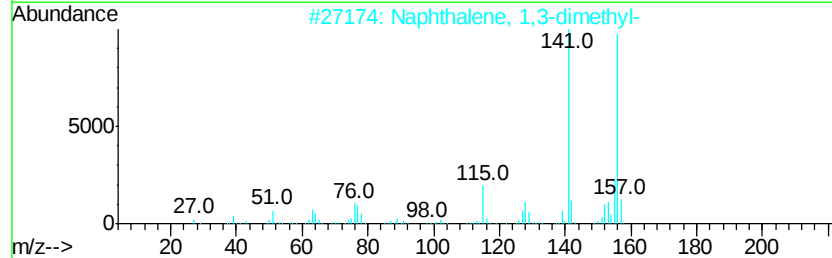
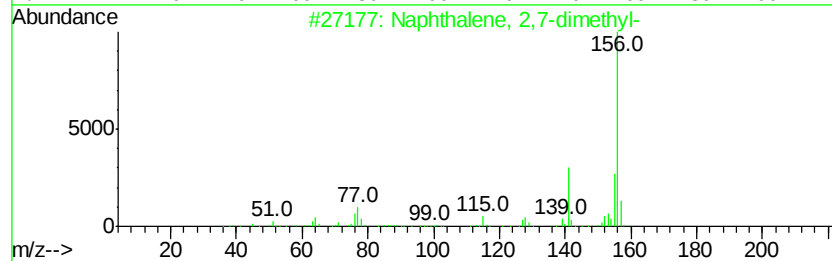
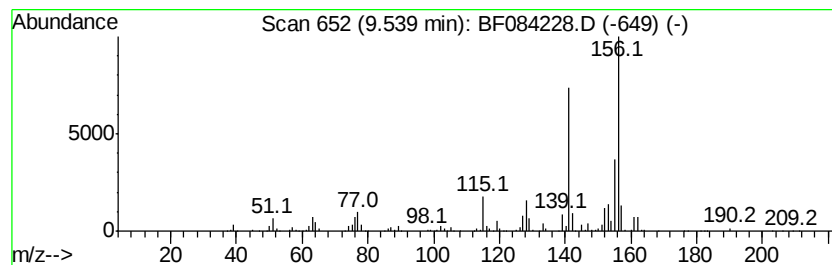
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	28.20 ng	6380070	Acenaphthene-d10	9.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
Data File : BF084228.D
Acq On : 1 Jan 2016 6:39
Operator : UM/SJ
Sample : G4960-05 50X
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ALS Vial : 39 Sample Multiplier: 1

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

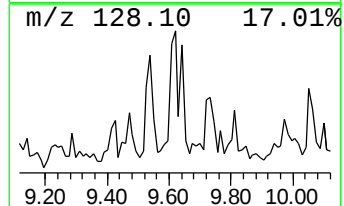
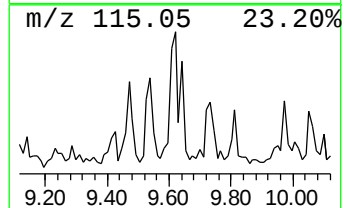
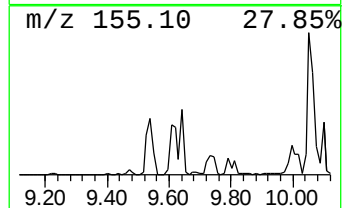
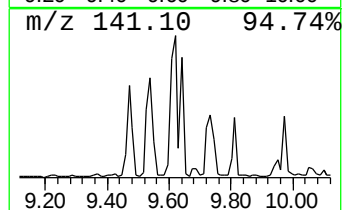
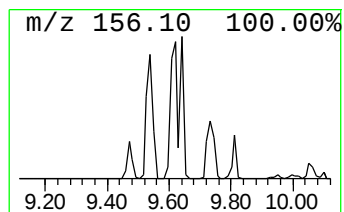
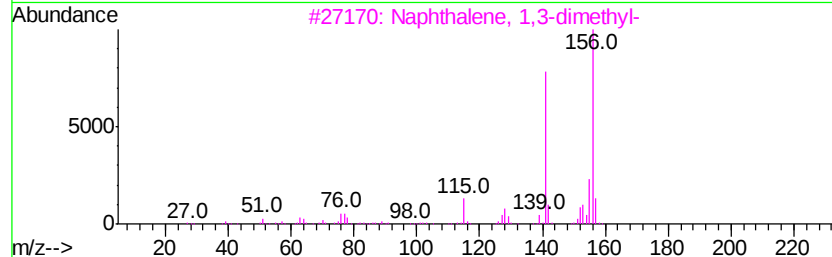
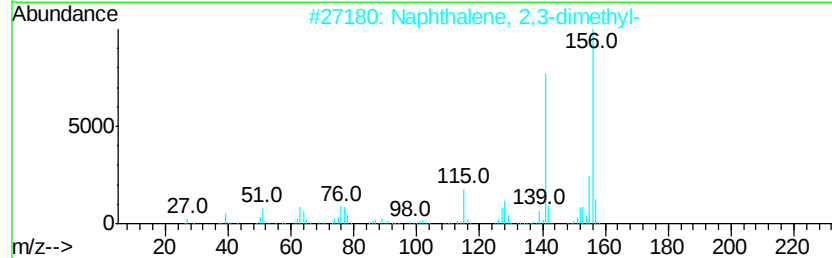
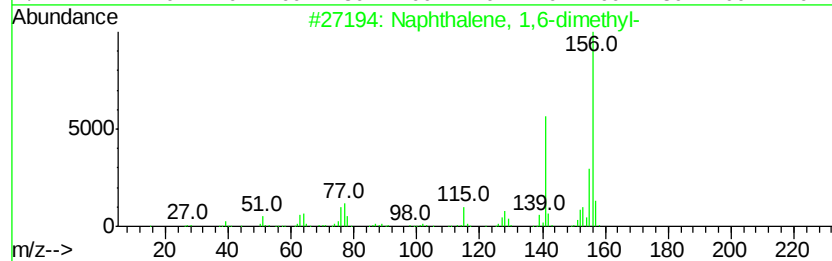
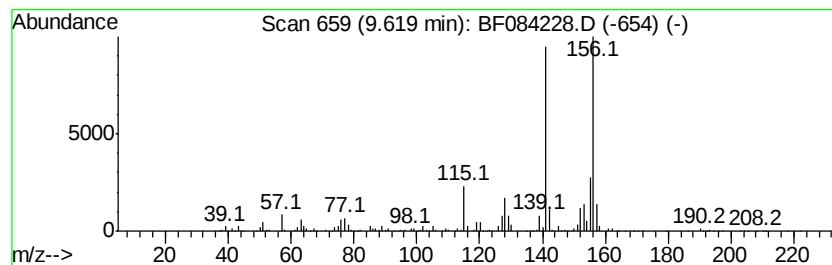
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 1,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	42.06 ng	9514910	Acenaphthene-d10	9.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
Data File : BF084228.D
Acq On : 1 Jan 2016 6:39
Operator : UM/SJ
Sample : G4960-05 50X
Misc :
ALS Vial : 39 Sample Multiplier: 1

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

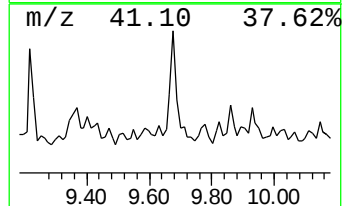
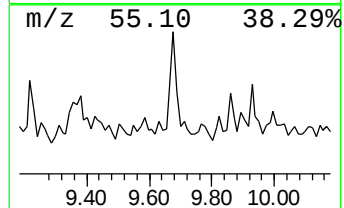
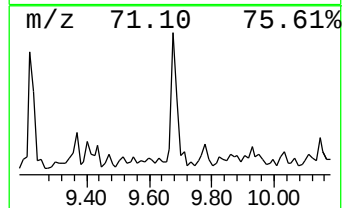
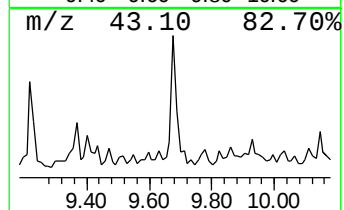
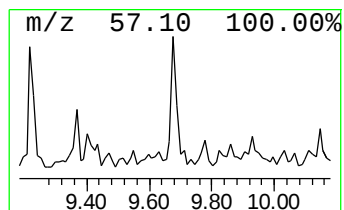
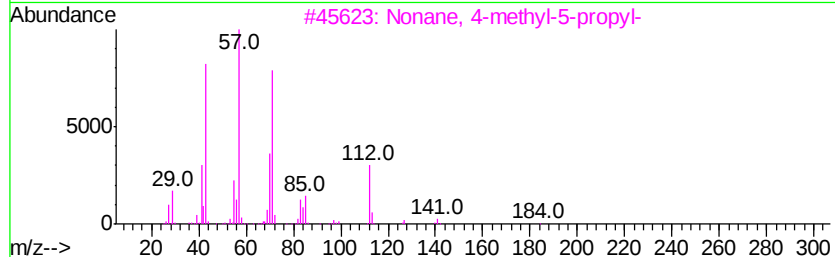
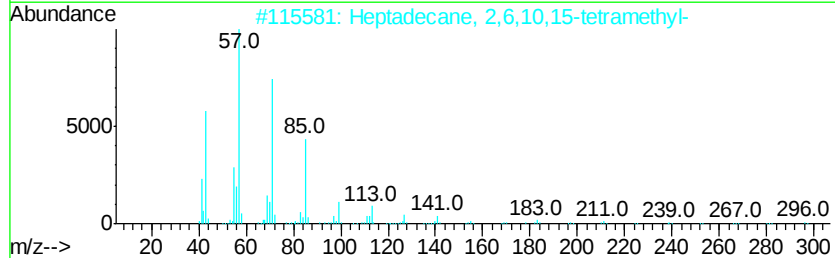
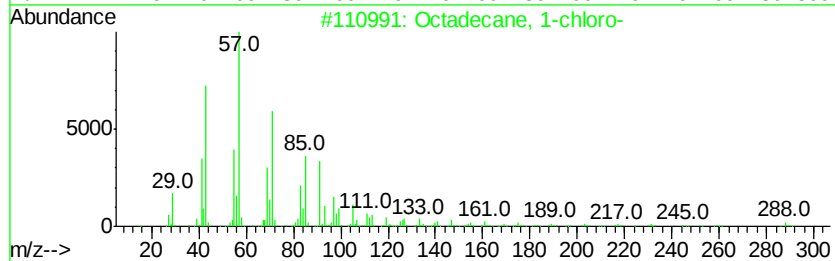
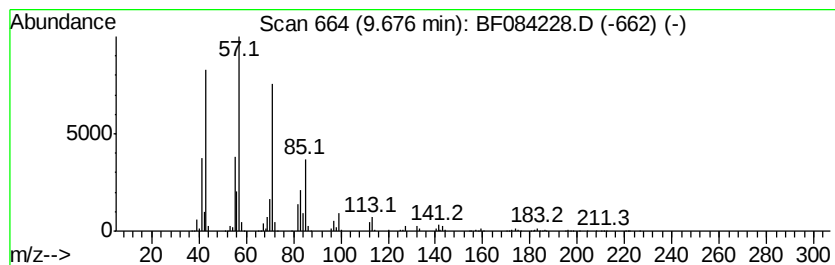
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Octadecane, 1-chloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.68	46.56 ng	10532600	Acenaphthene-d10	9.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	83
2			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
3			Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	76
4			Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	76
5			Pentadecane	212	C15H32	000629-62-9	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
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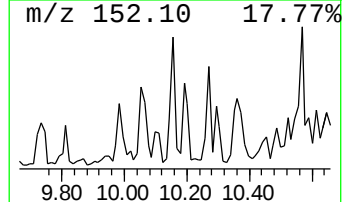
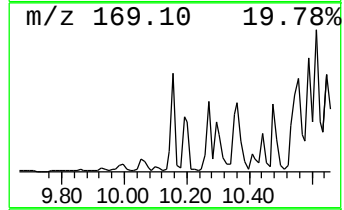
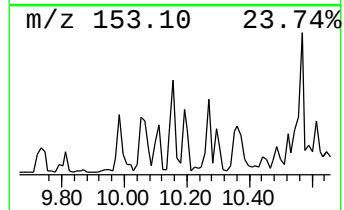
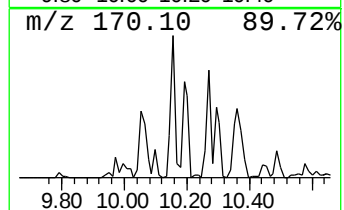
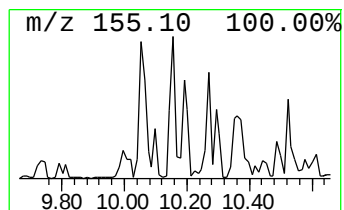
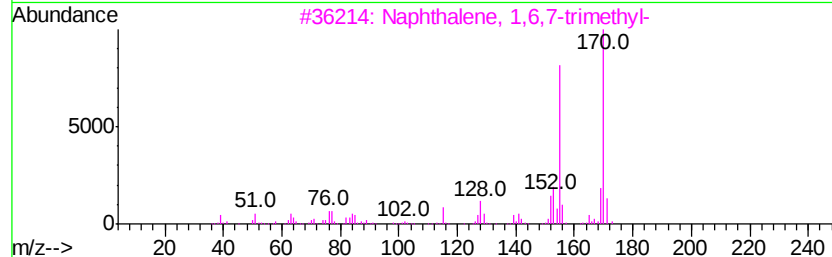
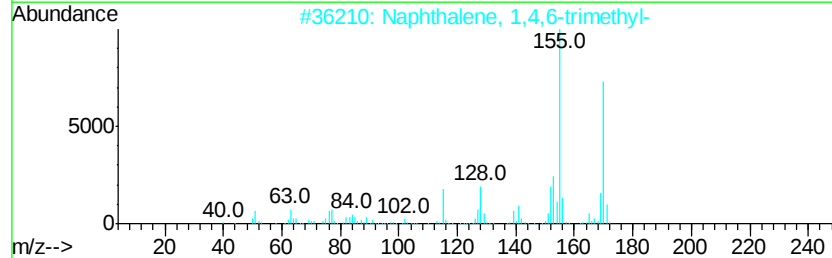
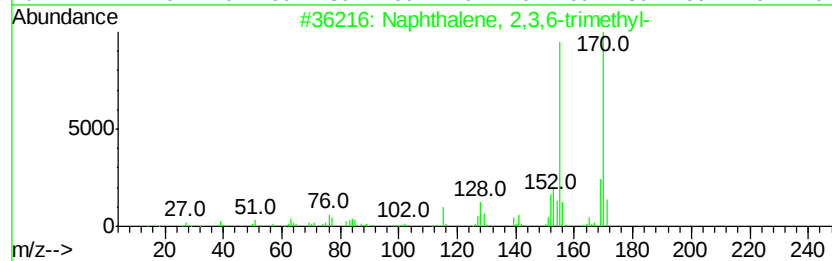
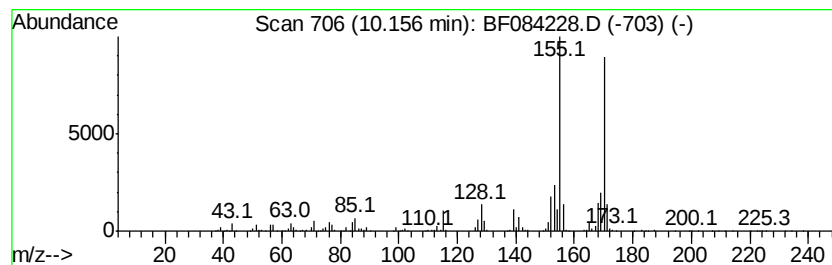
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 2,3,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.16	20.42 ng	4620140	Acenaphthene-d10	9.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
4	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	93
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
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Sample : G4960-05 50X
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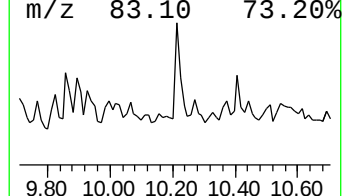
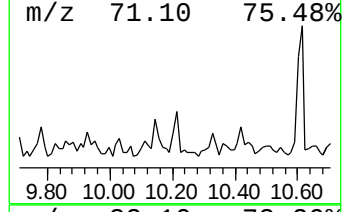
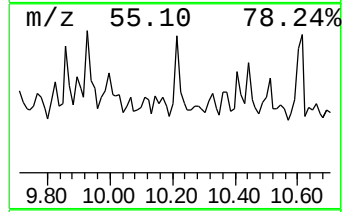
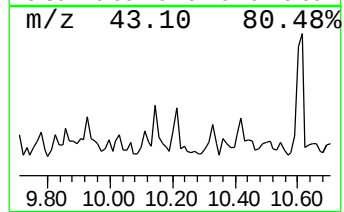
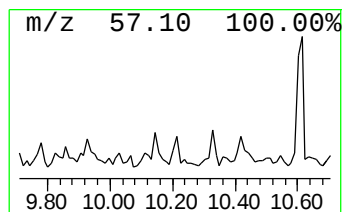
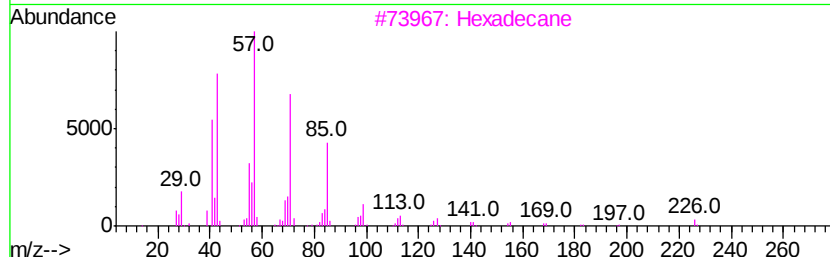
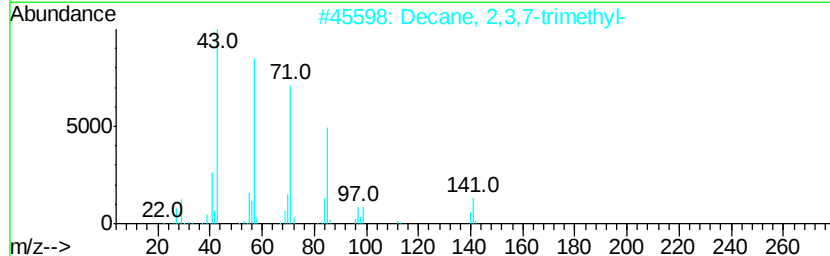
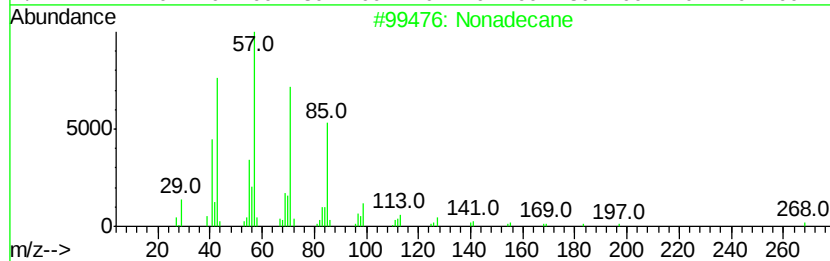
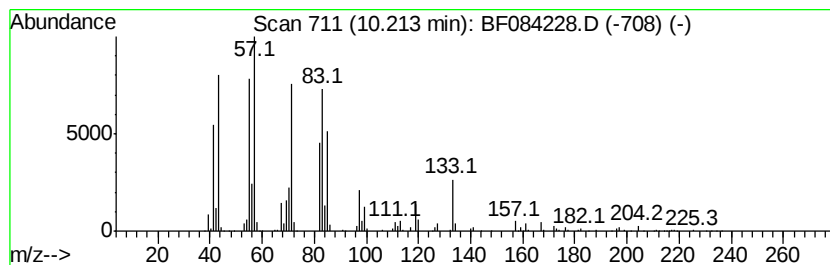
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown10.21 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.21	28.18 ng	6373810	Acenaphthene-d10	9.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	38
2	Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	38
3	Hexadecane	226	C16H34	000544-76-3	38
4	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	38
5	Tridecane	184	C13H28	000629-50-5	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
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Sample : G4960-05 50X
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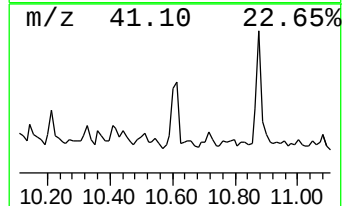
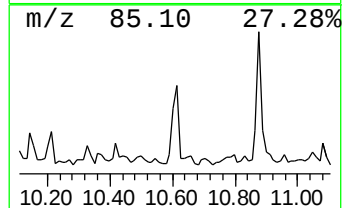
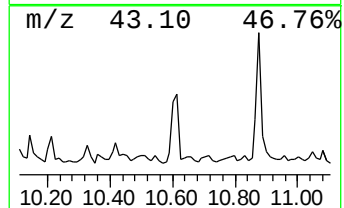
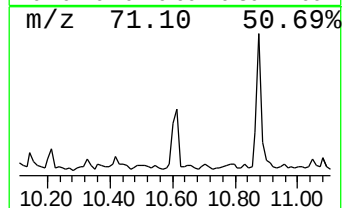
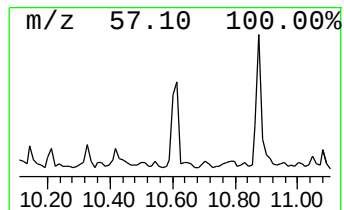
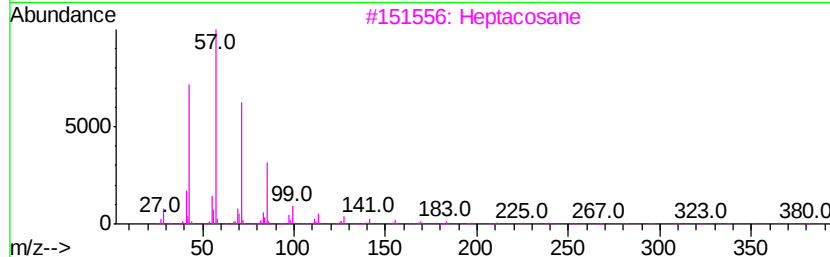
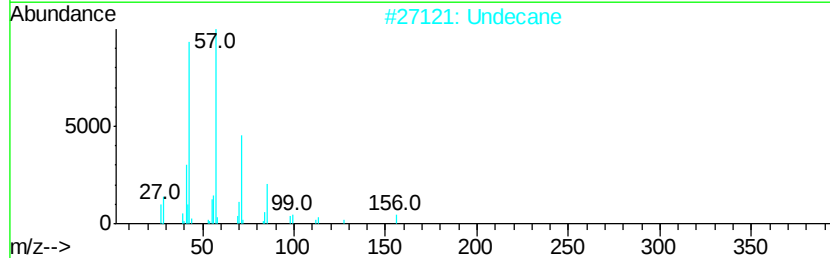
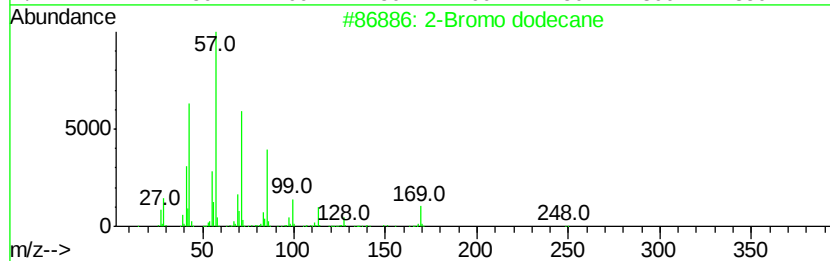
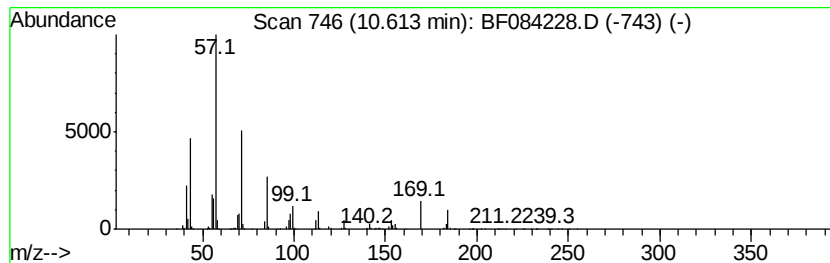
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 2-Bromo dodecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.61	32.06 ng	7251400	Acenaphthene-d10	9.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Bromo dodecane	248	C12H25Br	013187-99-0	72
2		Undecane	156	C11H24	001120-21-4	68
3		Heptacosane	380	C27H56	000593-49-7	64
4		Tetracosane	338	C24H50	000646-31-1	58
5		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
Data File : BF084228.D
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Sample : G4960-05 50X
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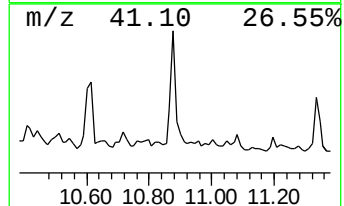
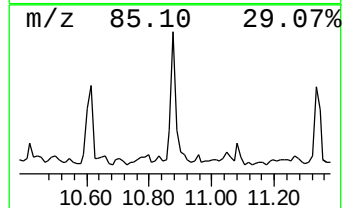
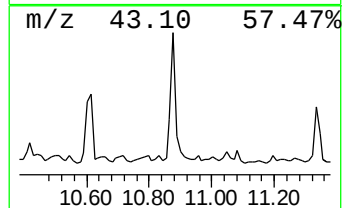
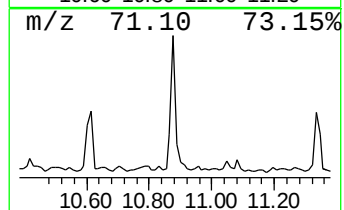
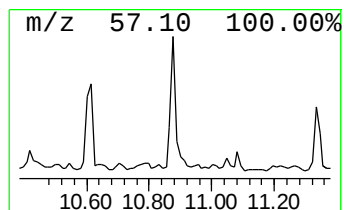
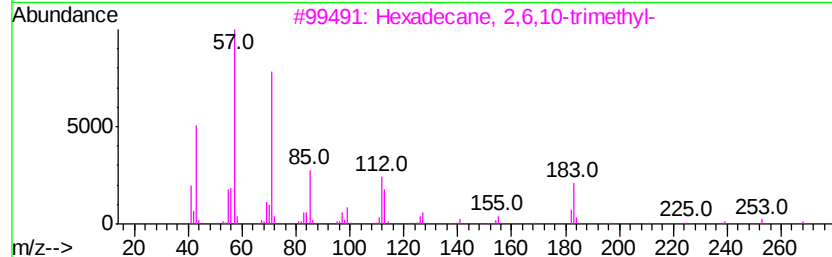
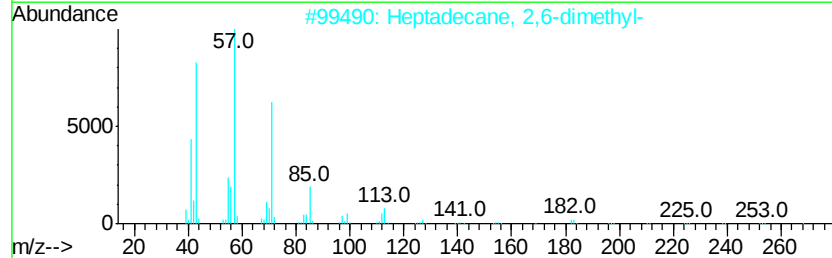
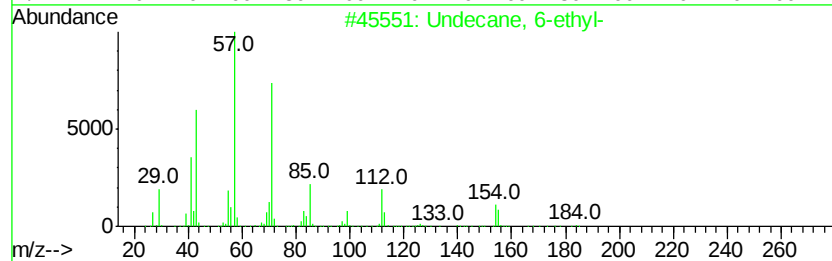
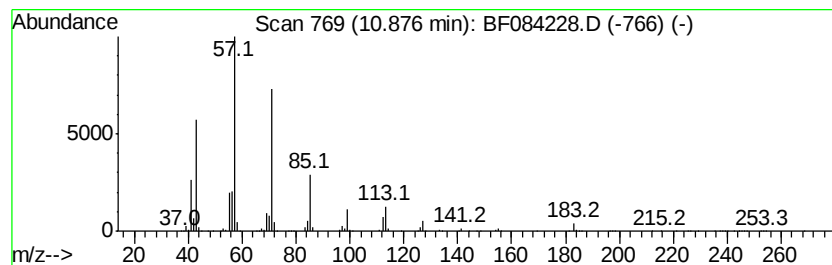
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Undecane, 6-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	65.81 ng	10555100	Phenanthrene-d10	11.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 6-ethyl-	184	C13H28	017312-60-6	87
2		Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	86
3		Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	83
4		Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	83
5		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
Data File : BF084228.D
Acq On : 1 Jan 2016 6:39
Operator : UM/SJ
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PJ-SB-300(16.0-16.5)

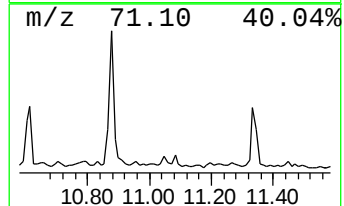
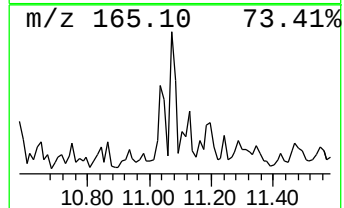
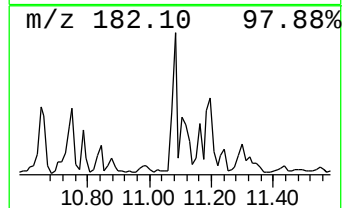
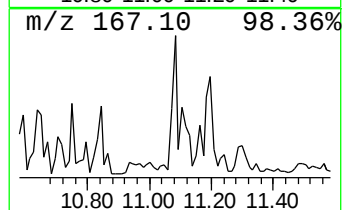
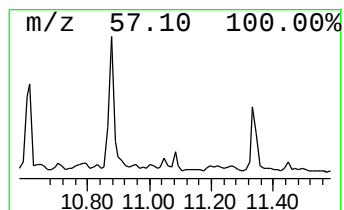
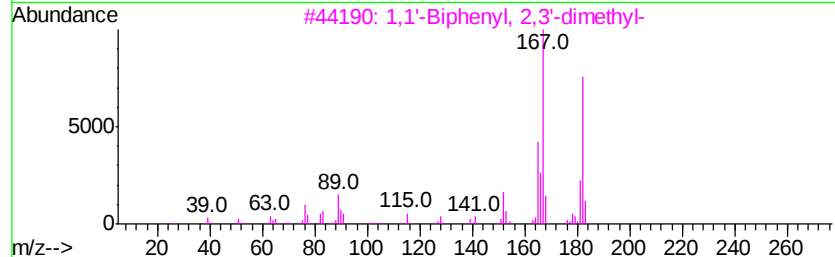
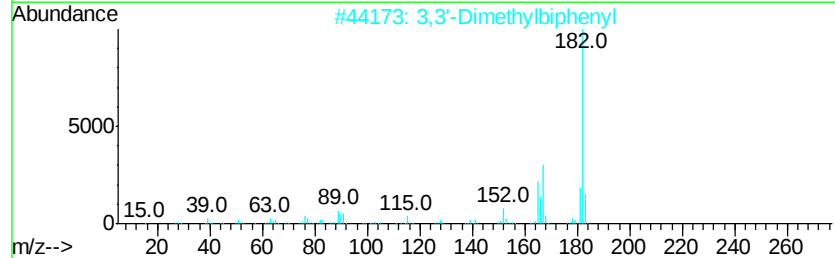
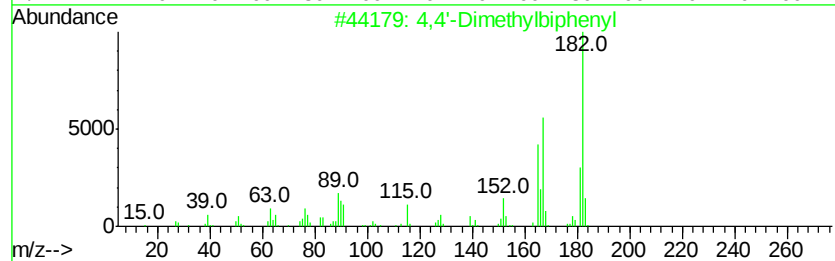
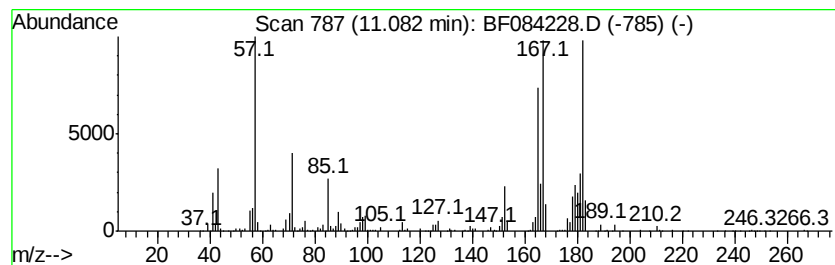
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 4,4'-Dimethylbiphenyl Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	20.47 ng	3282870	Phenanthrene-d10	11.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	89
2		3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	64
3		1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	60
4		2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	55
5		Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	55



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
Data File : BF084228.D
Acq On : 1 Jan 2016 6:39
Operator : UM/SJ
Sample : G4960-05 50X
Misc :
ALS Vial : 39 Sample Multiplier: 1

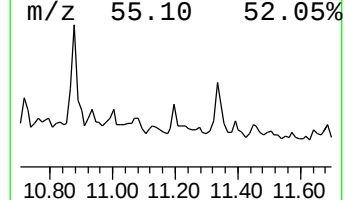
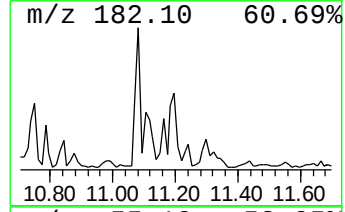
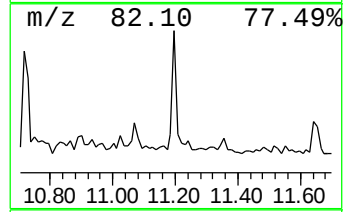
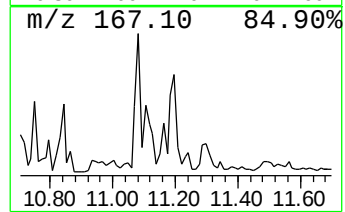
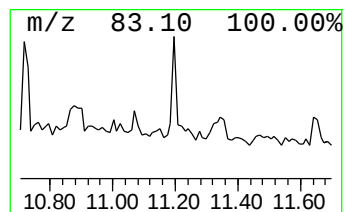
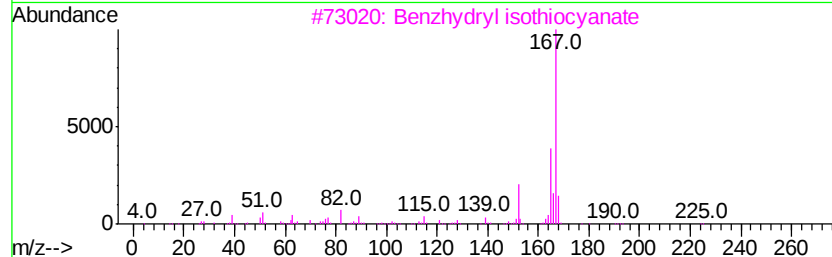
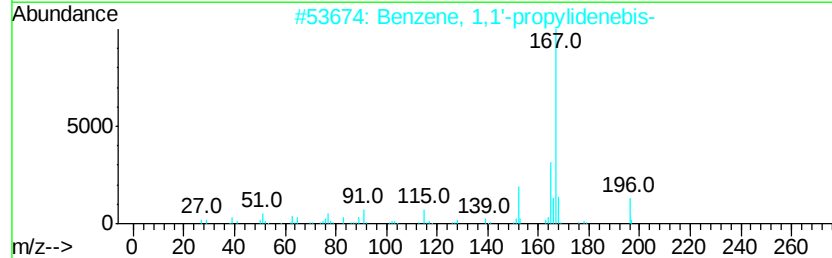
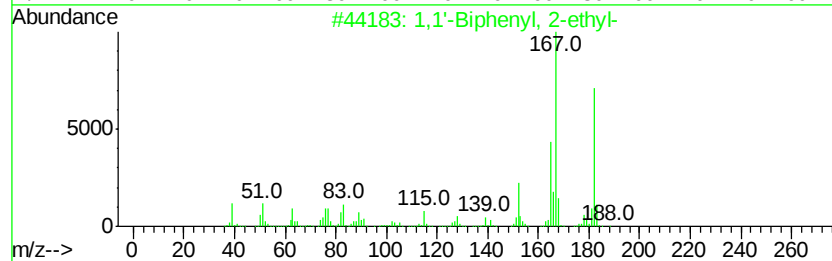
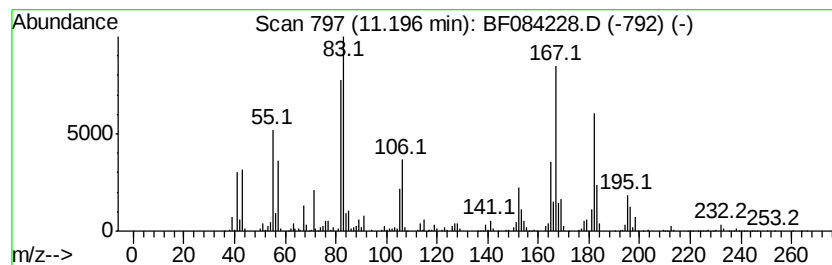
Instrument :
BNA_F
ClientSampleId :
PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1,1'-Biphenyl, 2-ethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.20	19.14 ng	3070580	Phenanthrene-d10	11.44	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	83
2	Benzene, 1,1'-propylidenebis-	196	C15H16	001530-03-6	78
3	Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	64
4	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	42
5	Benzene, 1-methyl-2-(phenylmethyl)-	182	C14H14	000713-36-0	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
Data File : BF084228.D
Acq On : 1 Jan 2016 6:39
Operator : UM/SJ
Sample : G4960-05 50X
Misc :
ALS Vial : 39 Sample Multiplier: 1

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

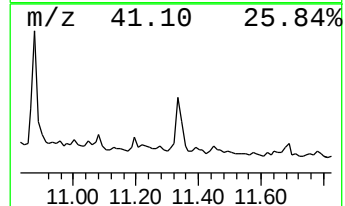
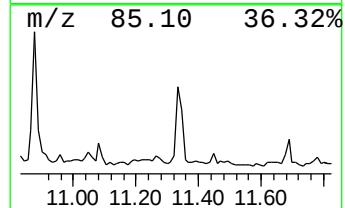
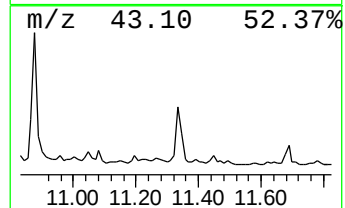
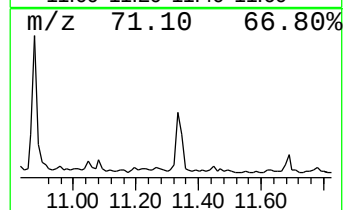
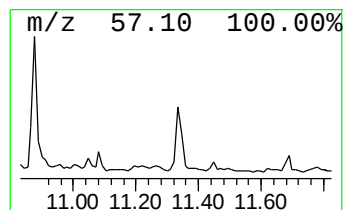
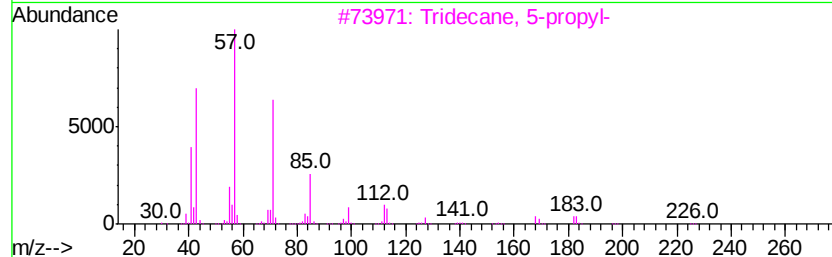
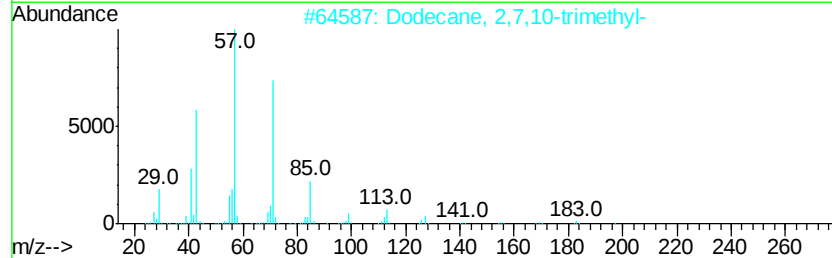
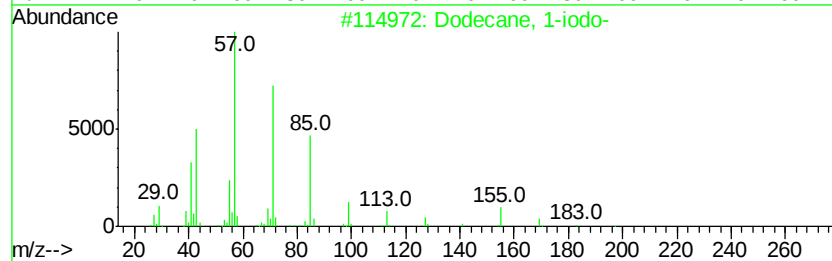
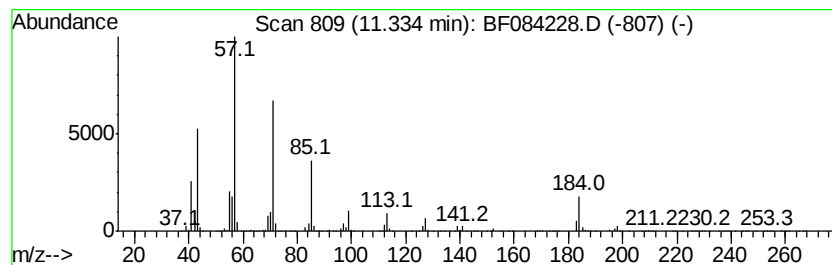
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dodecane, 1-iodo- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	40.76 ng	6537310	Phenanthrene-d10	11.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
3		Tridecane, 5-propyl-	226	C16H34	055045-11-9	72
4		Heptacosane	380	C27H56	000593-49-7	64
5		Tetradecane	198	C14H30	000629-59-4	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
 Data File : BF084228.D
 Acq On : 1 Jan 2016 6:39
 Operator : UM/SJ
 Sample : G4960-05 50X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

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

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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
Decalin, syn-1-me...	7.71	18.7	ng	3988320	2	8.19	4270660	20.0
n-Amylcyclohexane	7.81	22.5	ng	4799450	2	8.19	4270660	20.0
Undecane, 2,6-dim...	8.26	24.0	ng	5121580	2	8.19	4270660	20.0
Cyclohexane, (4-m...	8.49	22.4	ng	4789570	2	8.19	4270660	20.0
unknown8.85	8.85	20.3	ng	4328110	2	8.19	4270660	20.0
Nonane, 2-methyl-...	9.22	31.3	ng	7069180	3	9.95	4524210	20.0
Undecane, 5-ethyl-	9.37	18.4	ng	4171620	3	9.95	4524210	20.0
Benzene, 1-(2-but...	9.42	24.2	ng	5466600	3	9.95	4524210	20.0
Naphthalene, 2,7-...	9.54	28.2	ng	6380070	3	9.95	4524210	20.0
Naphthalene, 1,6-...	9.62	42.1	ng	9514910	3	9.95	4524210	20.0
Octadecane, 1-chl...	9.68	46.6	ng	10532600	3	9.95	4524210	20.0
Naphthalene, 2,3,...	10.16	20.4	ng	4620140	3	9.95	4524210	20.0
unknown10.21	10.21	28.2	ng	6373810	3	9.95	4524210	20.0
2-Bromo dodecane	10.61	32.1	ng	7251400	3	9.95	4524210	20.0
Undecane, 6-ethyl-	10.88	65.8	ng	10555100	4	11.44	3207990	20.0
4,4'-Dimethylbiph...	11.08	20.5	ng	3282870	4	11.44	3207990	20.0
1,1'-Biphenyl, 2-...	11.20	19.1	ng	3070580	4	11.44	3207990	20.0
Dodecane, 1-iodo-	11.33	40.8	ng	6537310	4	11.44	3207990	20.0