

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
 Data File : BF084229.D
 Acq On : 1 Jan 2016 7:07
 Operator : UM/SJ
 Sample : G4960-06 50X
 Misc :
 ALS Vial : 40 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-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	337572	447299	4.17%	0.176%
2	6.144	353	355	359	rVV	770298	979831	9.14%	0.385%
3	6.236	362	363	369	rVB5	124870	375144	3.50%	0.147%
4	6.339	369	372	373	rBV	457580	544032	5.07%	0.214%
5	6.407	375	378	379	rVB2	315107	527469	4.92%	0.207%
6	6.430	379	380	384	rVB	588543	765902	7.14%	0.301%
7	6.647	396	399	400	rBV2	465687	748308	6.98%	0.294%
8	6.670	400	401	405	rVB3	440856	773715	7.21%	0.304%
9	6.761	405	409	410	rBV3	353508	545482	5.09%	0.214%
10	6.922	419	423	425	rVB2	2049364	3853350	35.93%	1.515%
11	6.967	425	427	428	rBV	544953	598410	5.58%	0.235%
12	7.024	428	432	433	rBV3	618207	987105	9.20%	0.388%
13	7.059	433	435	436	rVV	1089304	1369351	12.77%	0.538%
14	7.082	436	437	439	rVB2	405505	530735	4.95%	0.209%
15	7.139	439	442	443	rBV2	502427	754326	7.03%	0.296%
16	7.184	443	446	447	rVB	1272996	1381469	12.88%	0.543%
17	7.219	447	449	451	rVB2	673841	740545	6.90%	0.291%
18	7.299	454	456	458	rBV	1350148	1398661	13.04%	0.550%
19	7.447	465	469	470	rBV2	1679954	2786200	25.98%	1.095%
20	7.482	470	472	476	rVB4	802522	1620500	15.11%	0.637%
21	7.550	476	478	480	rVB2	1239770	2043893	19.06%	0.803%
22	7.619	480	484	486	rBV3	1248764	2787356	25.99%	1.096%
23	7.710	486	492	494	rVB4	1193749	3760824	35.06%	1.478%
24	7.744	494	495	497	rBV2	401346	398057	3.71%	0.156%
25	7.813	497	501	505	rBV5	1659342	4621953	43.09%	1.817%
26	7.870	505	506	508	rVB2	1312758	1641673	15.31%	0.645%
27	7.927	508	511	513	rBV3	1263532	2405485	22.43%	0.945%
28	8.019	516	519	521	rBV3	880605	1375615	12.83%	0.541%
29	8.064	521	523	525	rBV2	1149104	1569556	14.63%	0.617%
30	8.099	525	526	527	rVB	568707	390133	3.64%	0.153%
31	8.156	527	531	532	rBV3	1162206	3072370	28.64%	1.208%
32	8.190	532	534	535	rVV2	3221173	4075533	38.00%	1.602%
33	8.259	538	540	541	rVV	5195004	4656394	43.41%	1.830%
34	8.282	541	542	544	rVV2	1155703	1125623	10.49%	0.442%

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35	8.350	546	548	549	rBV2	1018761	1282696	11.96%	0.504%
36	8.396	550	552	556	rVB3	1113048	1355834	12.64%	0.533%
37	8.487	556	560	562	rBV5	2887974	4345338	40.51%	1.708%
38	8.579	566	568	570	rBV2	1874600	1760751	16.42%	0.692%
39	8.625	570	572	574	rVV	5637683	6309211	58.82%	2.480%
40	8.659	574	575	577	rVB2	1837724	1404792	13.10%	0.552%
41	8.705	577	579	580	rBV	1453363	1685234	15.71%	0.662%
42	8.739	580	582	585	rBV3	1132630	2330338	21.73%	0.916%
43	8.785	585	586	588	rVV2	1272467	2286210	21.31%	0.899%
44	8.853	588	592	593	rVV3	1920558	4436677	41.36%	1.744%
45	8.887	593	595	598	rVB2	3244437	5176770	48.26%	2.035%
46	8.945	598	600	601	rBV	937323	788704	7.35%	0.310%
47	9.002	601	605	610	rBV7	2837978	7637520	71.21%	3.002%
48	9.070	610	611	612	rBV	963032	1211266	11.29%	0.476%
49	9.105	612	614	616	rVV3	2426633	2642060	24.63%	1.038%
50	9.139	616	617	620	rVV3	768610	1279331	11.93%	0.503%
51	9.219	622	624	626	rVV	4880293	6591030	61.45%	2.591%
52	9.253	626	627	629	rVV2	430693	634326	5.91%	0.249%
53	9.367	633	637	638	rBV2	2172571	4020346	37.48%	1.580%
54	9.425	638	642	644	rVV3	1697032	4838035	45.11%	1.902%
55	9.470	644	646	648	rVB	2244339	2765494	25.78%	1.087%
56	9.539	648	652	654	rBV2	3811388	6506949	60.67%	2.557%
57	9.607	654	658	660	rBV	4458961	9134307	85.16%	3.590%
58	9.676	662	664	667	rVV2	6839743	9968234	92.94%	3.918%
59	9.733	667	669	671	rVV	1924320	3024679	28.20%	1.189%
60	9.813	675	676	678	rVB2	1594346	1845684	17.21%	0.725%
61	9.859	678	680	682	rVB3	1861715	2109905	19.67%	0.829%
62	9.905	682	684	685	rBV2	495807	866502	8.08%	0.341%
63	9.950	685	688	689	rVV3	3010062	4325168	40.32%	1.700%
64	9.996	689	692	696	rVB4	1191541	3186418	29.71%	1.252%
65	10.053	696	697	700	rVB	2512708	3586036	33.43%	1.409%
66	10.099	700	701	703	rBV2	1186838	1816371	16.93%	0.714%
67	10.156	703	706	708	rVB2	3677482	4434459	41.34%	1.743%
68	10.213	708	711	714	rVB3	2552904	6264745	58.41%	2.462%
69	10.270	714	716	717	rBV	3141512	3370382	31.42%	1.325%
70	10.362	722	724	727	rVB	2284818	3431117	31.99%	1.349%
71	10.419	727	729	730	rBV2	926470	1478591	13.79%	0.581%

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72	10.499	733	736	737	rBV3	1351559	2730192	25.45%	1.073%
73	10.613	743	746	747	rVB	5525860	7298952	68.05%	2.869%
74	10.648	747	749	752	rVB3	1596581	3467668	32.33%	1.363%
75	10.716	752	755	759	rBV5	1702548	4952235	46.17%	1.946%
76	10.773	759	760	763	rVB2	1448296	2172786	20.26%	0.854%
77	10.830	763	765	766	rBV2	796980	1403001	13.08%	0.551%
78	10.876	766	769	773	rVB2	8913267	10725923	100.00%	4.216%
79	10.933	773	774	777	rBV3	941657	1275395	11.89%	0.501%
80	11.048	782	784	785	rVB2	1024686	1239730	11.56%	0.487%
81	11.082	785	787	789	rBV2	2079889	2655626	24.76%	1.044%
82	11.196	795	797	800	rBV3	1609766	1960814	18.28%	0.771%
83	11.333	807	809	812	rVB	4655534	6856098	63.92%	2.695%
84	11.436	816	818	822	rVV3	2121679	3659725	34.12%	1.438%
85	11.551	825	828	829	rBV2	737472	1029093	9.59%	0.404%
86	11.688	838	840	844	rVB2	1742592	2464353	22.98%	0.969%
87	11.768	844	847	851	rVB4	876520	2063089	19.23%	0.811%
88	11.848	853	854	856	rVB	550470	392212	3.66%	0.154%
89	11.939	860	862	863	rBV	1067296	943365	8.80%	0.371%
90	12.042	869	871	876	rVB3	1261330	2585477	24.10%	1.016%
91	12.168	880	882	883	rVV2	453776	449465	4.19%	0.177%
92	12.202	883	885	886	rVB	367257	361649	3.37%	0.142%
93	12.305	892	894	897	rVV4	311284	473199	4.41%	0.186%
94	12.373	898	900	902	rVV2	534488	803017	7.49%	0.316%
95	12.408	902	903	908	rVV2	875877	1489741	13.89%	0.586%
96	12.488	908	910	911	rVV	767866	1028388	9.59%	0.404%
97	12.568	915	917	919	rVB	345675	351410	3.28%	0.138%
98	13.014	954	956	961	rVB3	360373	592091	5.52%	0.233%
99	14.065	1045	1048	1050	rBV	1796546	1730341	16.13%	0.680%
100	15.505	1171	1174	1177	rBV	1197033	1491130	13.90%	0.586%

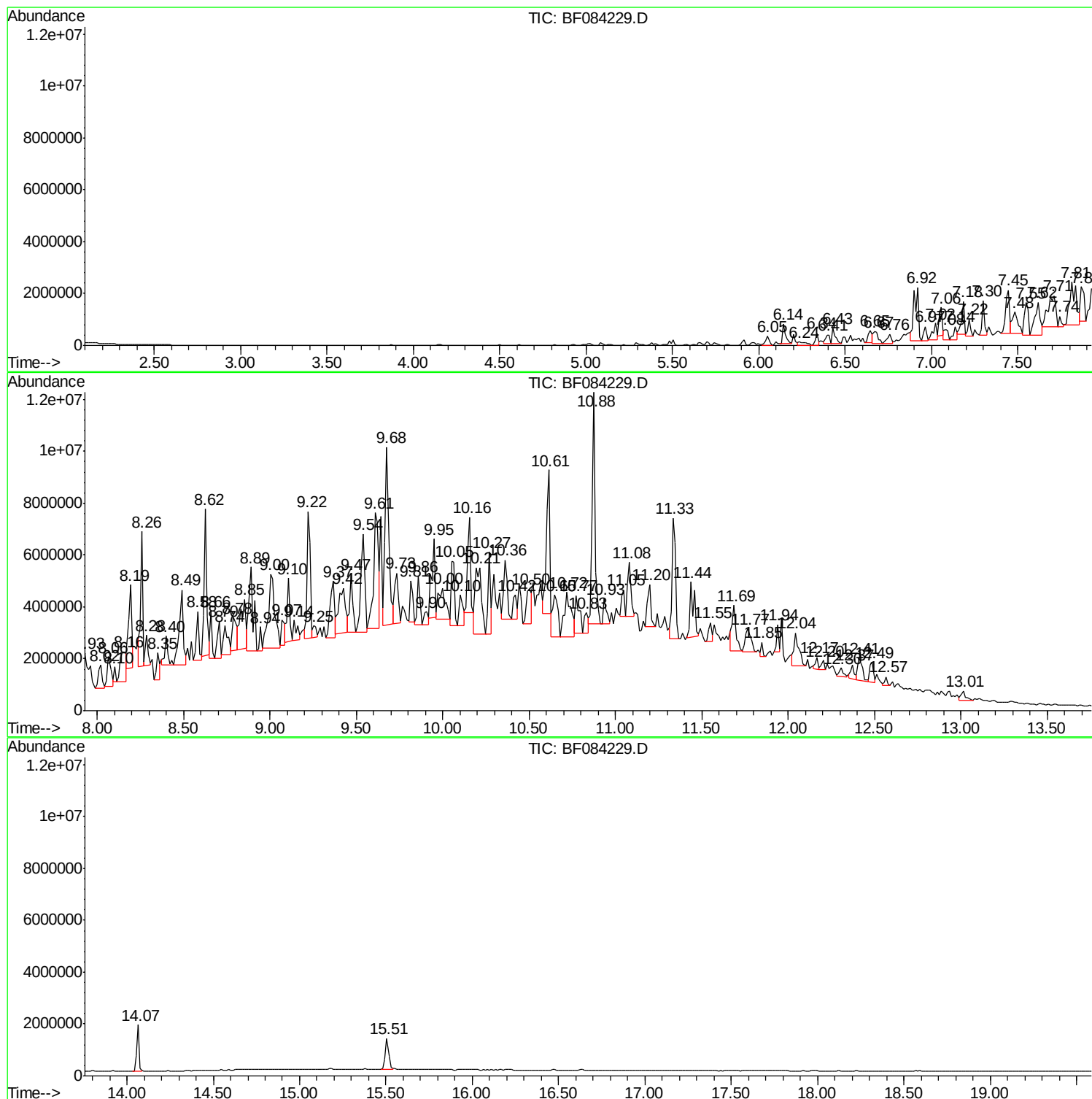
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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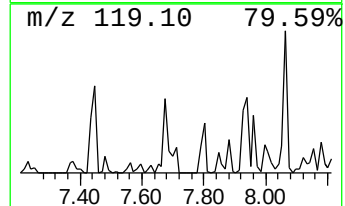
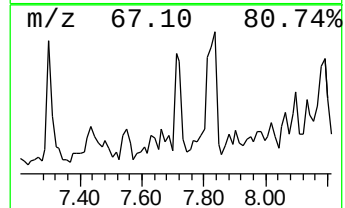
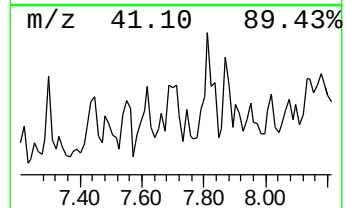
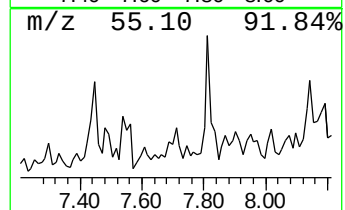
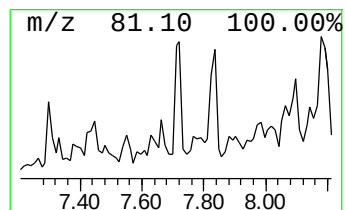
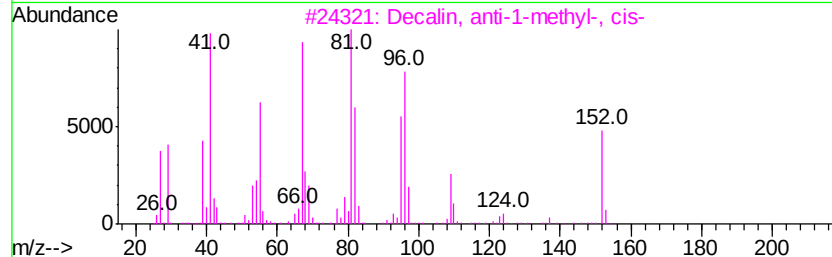
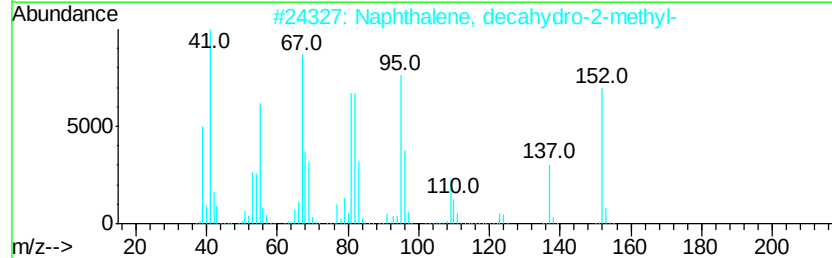
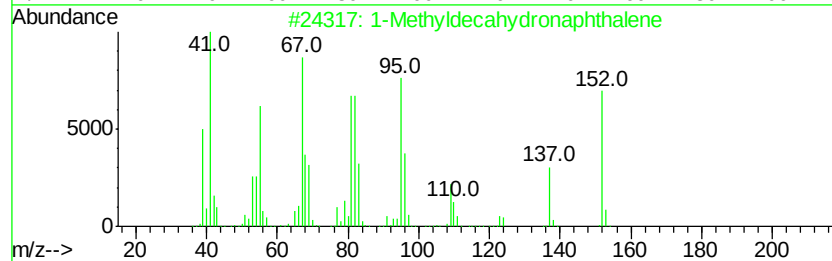
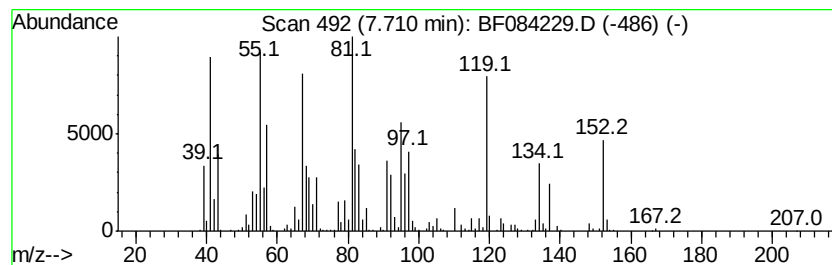
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 1-Methyldecahydronaphthalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.71	18.46 ng	3760820	Naphthalene-d8	8.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	74
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	74
3		Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	55
4		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	53
5		Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	50



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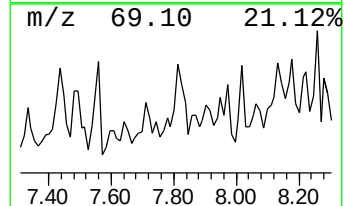
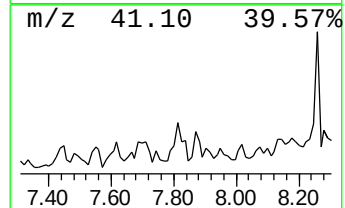
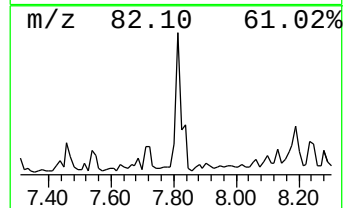
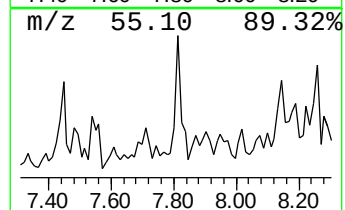
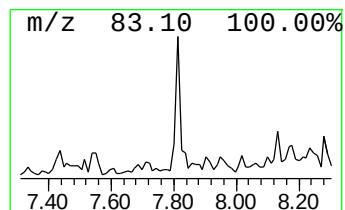
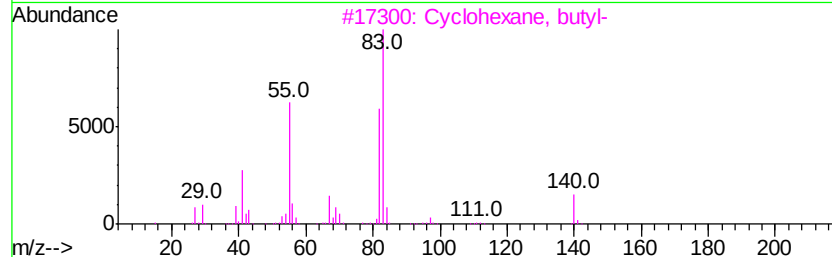
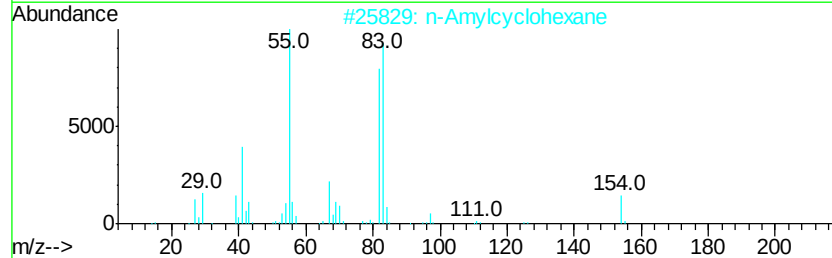
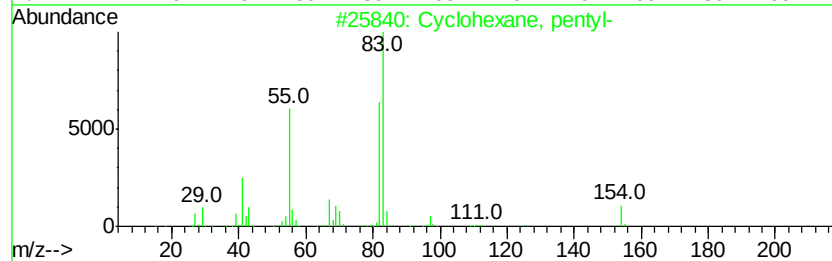
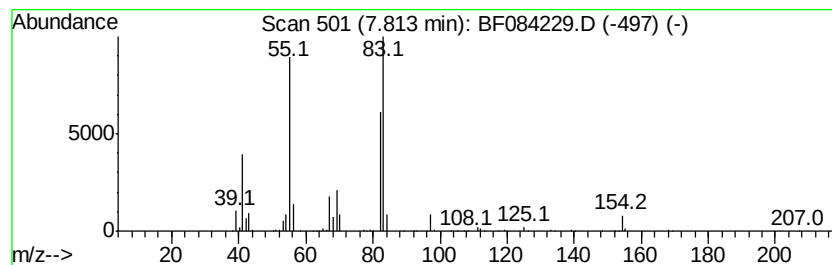
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Cyclohexane, pentyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.81	22.68 ng	4621950	Napthalene-d8	8.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	91
2		n-Amylcyclohexane	154	C11H22	029949-27-7	91
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	78
4		Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	78
5		Cyclohexane, ethyl-	112	C8H16	001678-91-7	78



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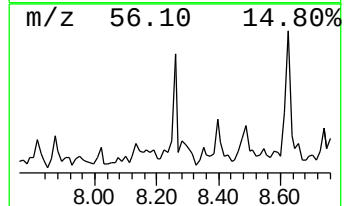
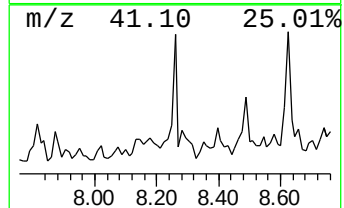
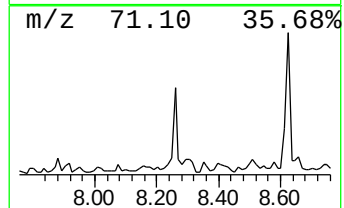
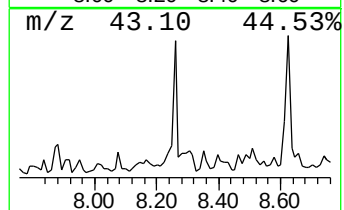
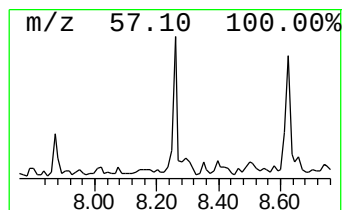
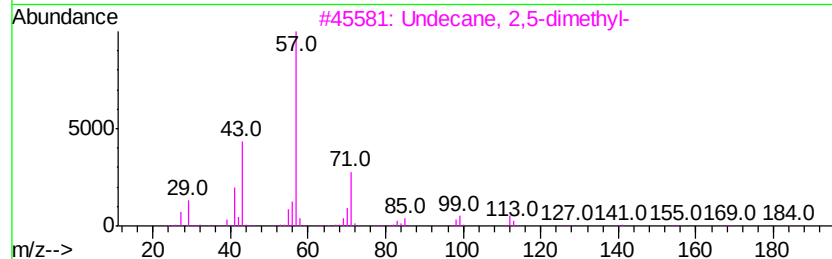
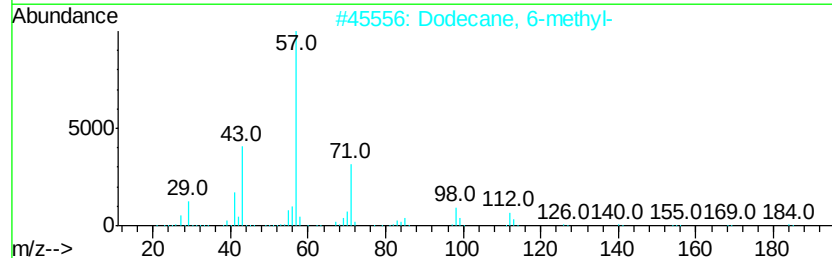
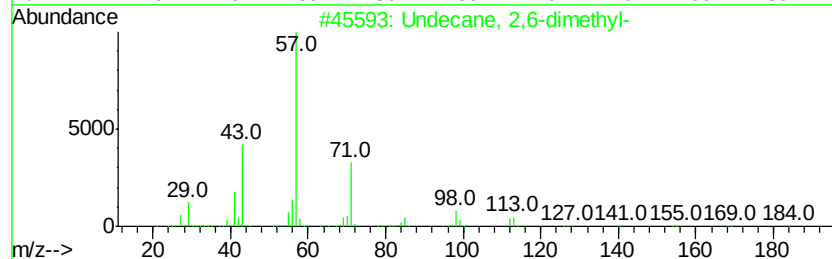
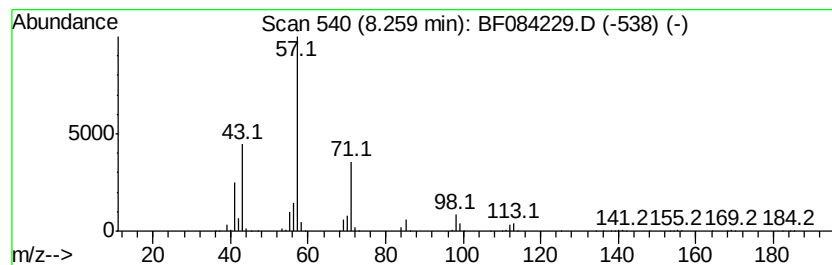
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Undecane, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.26	22.85 ng	4656390	Napthalene-d8	8.19	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	91
2	Dodecane, 6-methyl-	184	C13H28	006044-71-9	86
3	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	83
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	78
5	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
Data File : BF084229.D
Acq On : 1 Jan 2016 7:07
Operator : UM/SJ
Sample : G4960-06 50X
Misc :
ALS Vial : 40 Sample Multiplier: 1

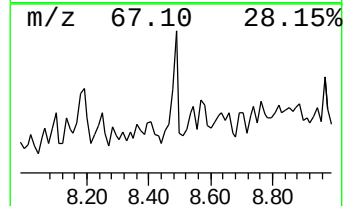
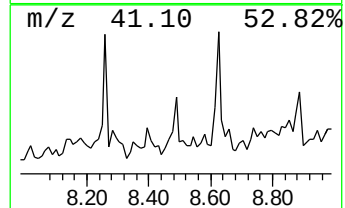
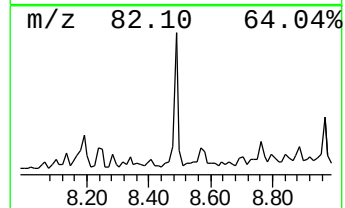
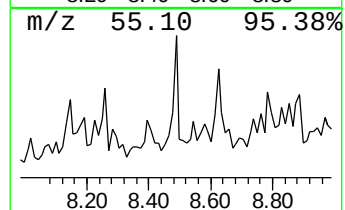
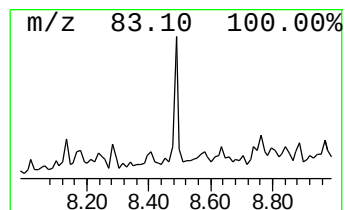
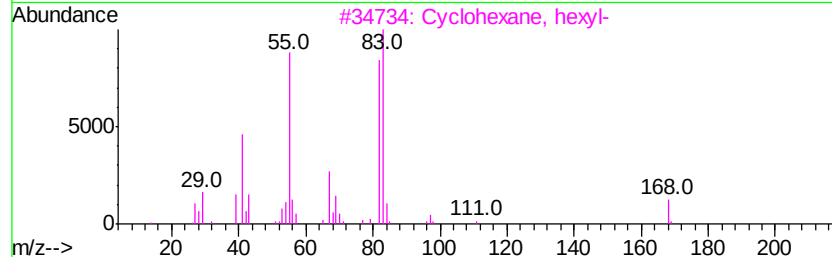
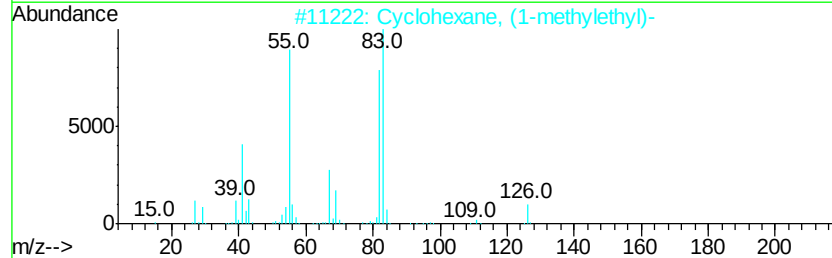
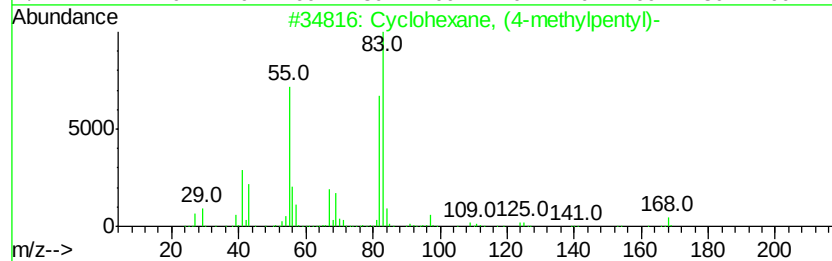
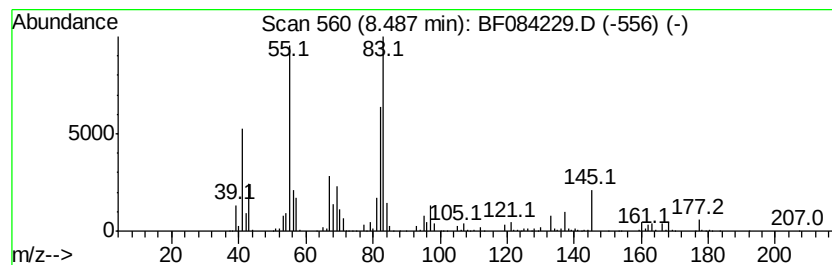
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ClientSampleId :
PJ-SB-3(16.0-16.5)

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 4 Cyclohexane, (4-methylpentyl)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	21.32 ng	4345340	Napthalene-d8	8.19
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, (4-methylpentyl)-	168 C12H24	061142-20-9 64
2		Cyclohexane, (1-methylethyl)-	126 C9H18	000696-29-7 64
3		Cyclohexane, hexyl-	168 C12H24	004292-75-5 64
4		Cyclohexane, ethyl-	112 C8H16	001678-91-7 59
5		Cyclohexane, pentyl-	154 C11H22	004292-92-6 59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
Data File : BF084229.D
Acq On : 1 Jan 2016 7:07
Operator : UM/SJ
Sample : G4960-06 50X
Misc :
ALS Vial : 40 Sample Multiplier: 1

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

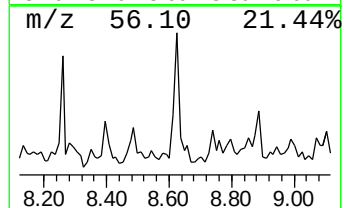
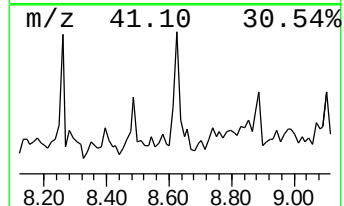
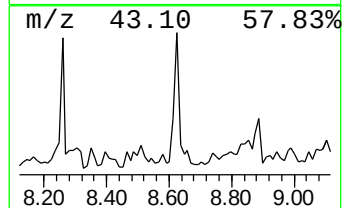
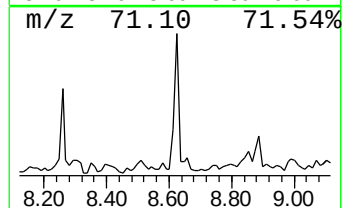
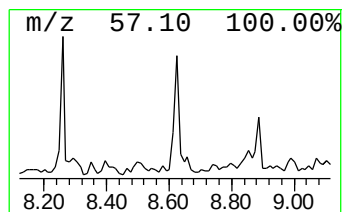
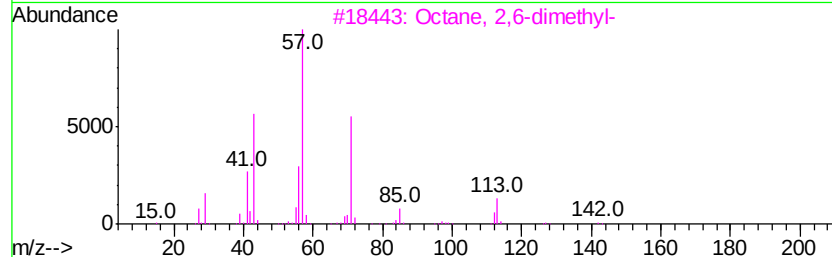
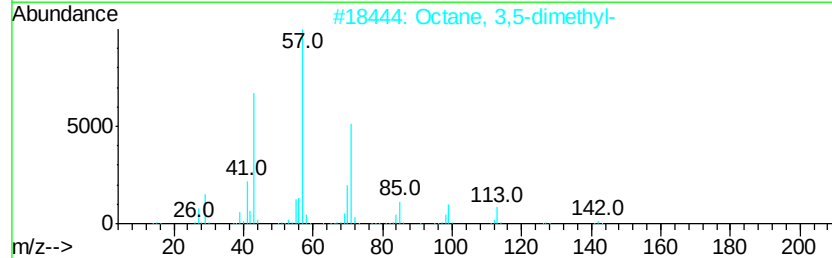
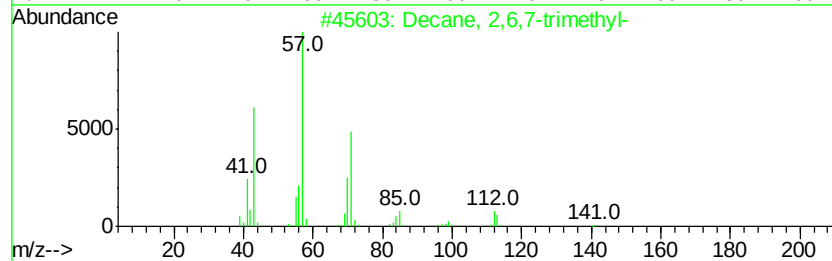
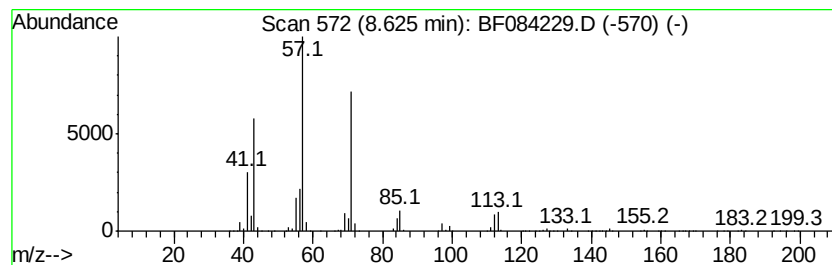
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Decane, 2,6,7-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	30.96 ng	6309210	Napthalene-d8	8.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	83
2		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	72
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
4		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
5		Nonane, 3-methyl-	142	C10H22	005911-04-6	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
Data File : BF084229.D
Acq On : 1 Jan 2016 7:07
Operator : UM/SJ
Sample : G4960-06 50X
Misc :
ALS Vial : 40 Sample Multiplier: 1

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

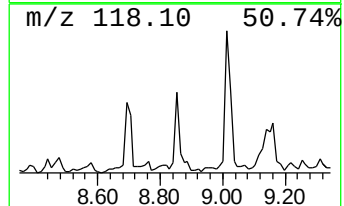
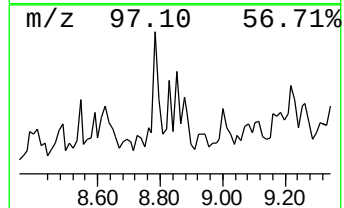
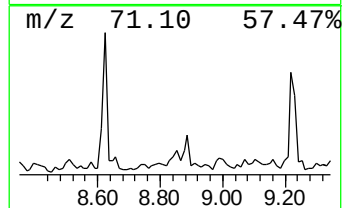
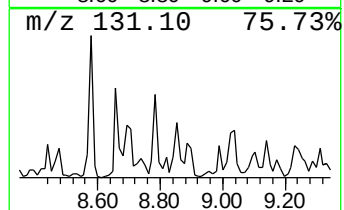
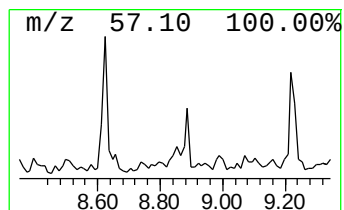
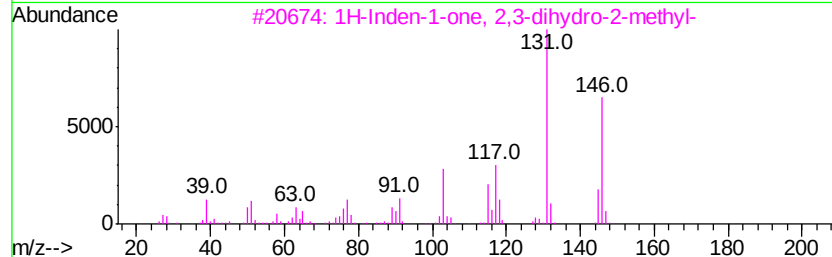
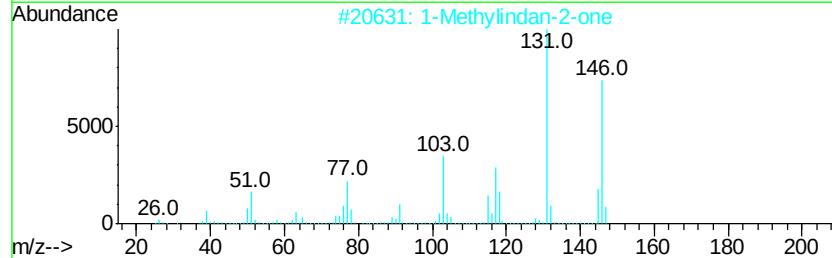
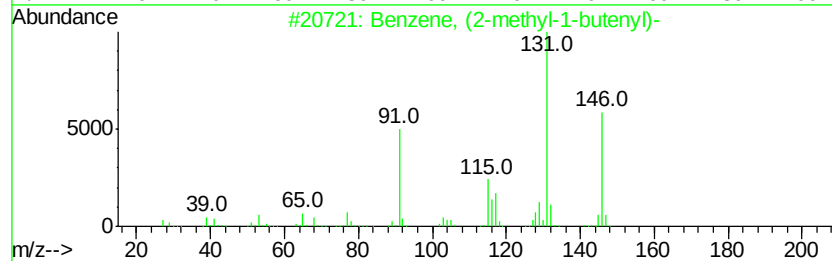
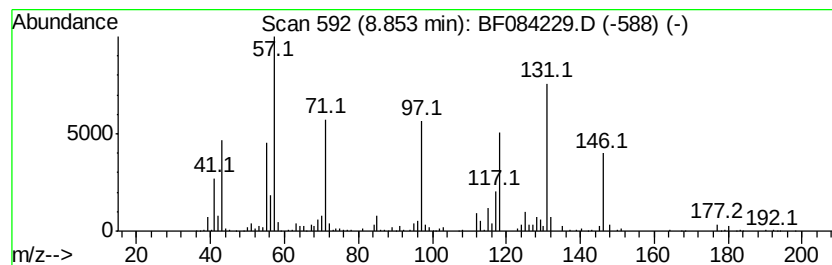
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown8.85 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	21.77 ng	4436680	Naphthalene-d8	8.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	38
2		1-Methylindan-2-one	146	C10H10O	035587-60-1	38
3		1H-Inden-1-one, 2,3-dihydro-2-methyl-	146	C10H10O	017496-14-9	38
4		Naphthalene, 1,2,3,4-tetrahydro-	146	C11H14	001680-51-9	38
5		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
Data File : BF084229.D
Acq On : 1 Jan 2016 7:07
Operator : UM/SJ
Sample : G4960-06 50X
Misc :
ALS Vial : 40 Sample Multiplier: 1

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

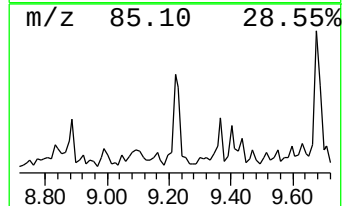
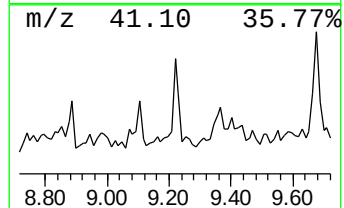
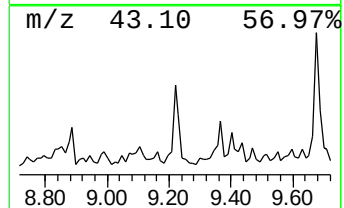
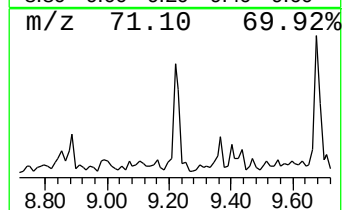
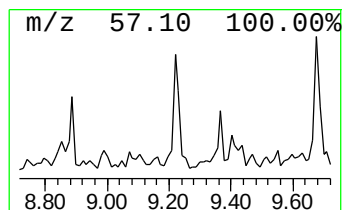
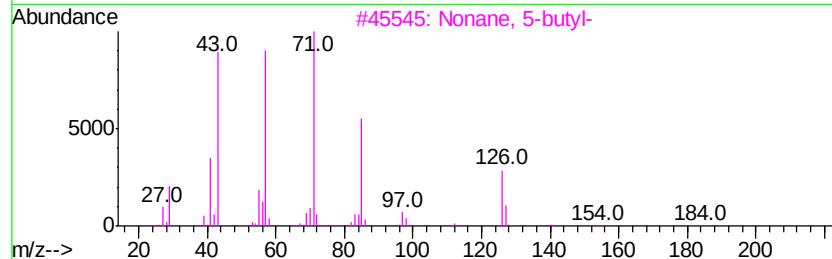
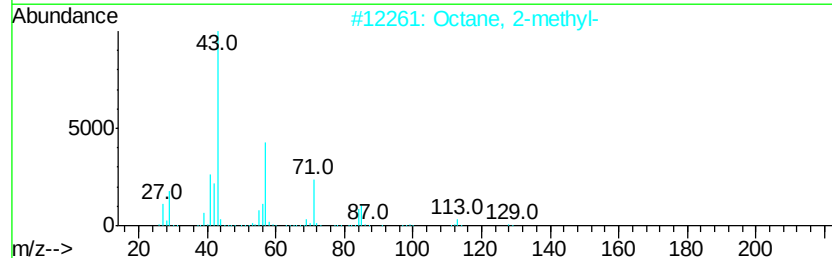
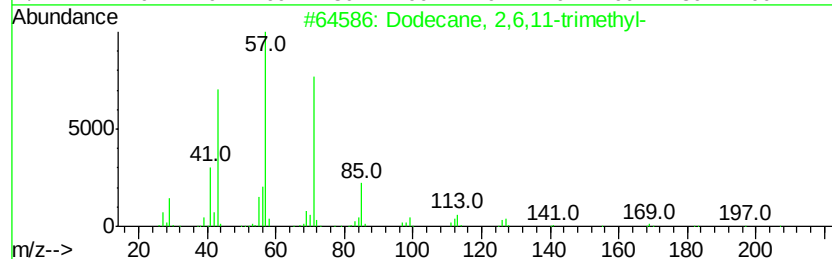
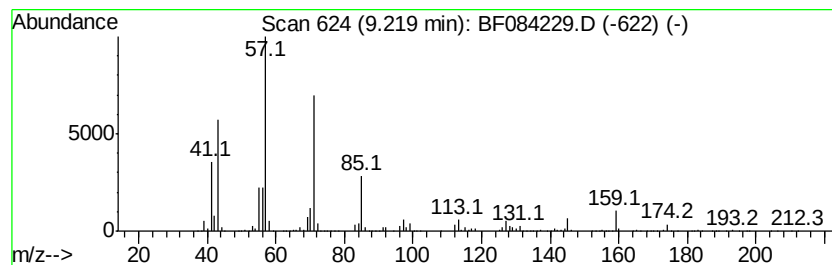
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dodecane, 2,6,11-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	30.48 ng	6591030	Acenaphthene-d10	9.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
2		Octane, 2-methyl-	128	C9H20	003221-61-2	64
3		Nonane, 5-butyl-	184	C13H28	017312-63-9	60
4		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	58
5		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
Data File : BF084229.D
Acq On : 1 Jan 2016 7:07
Operator : UM/SJ
Sample : G4960-06 50X
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Instrument :
BNA_F
ClientSampleId :
PJ-SB-3(16.0-16.5)

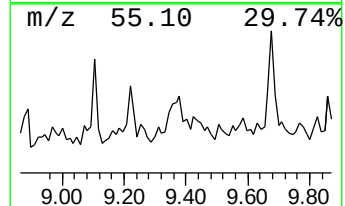
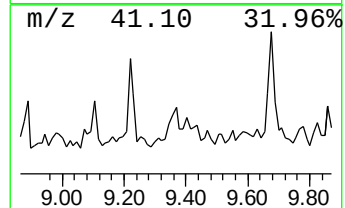
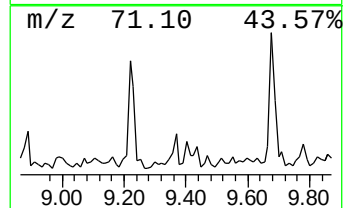
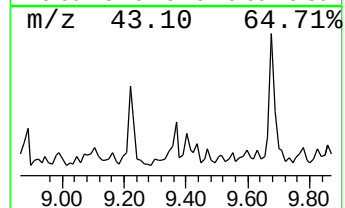
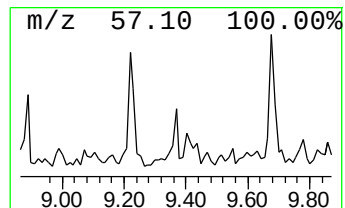
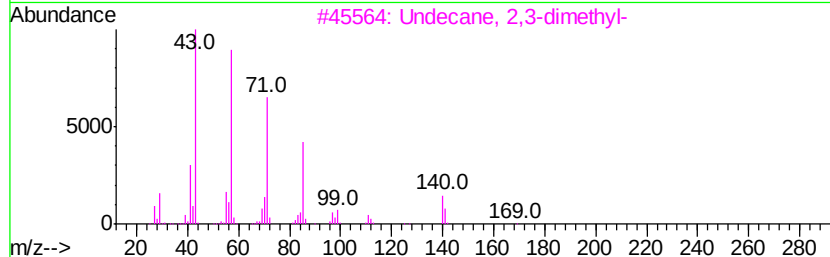
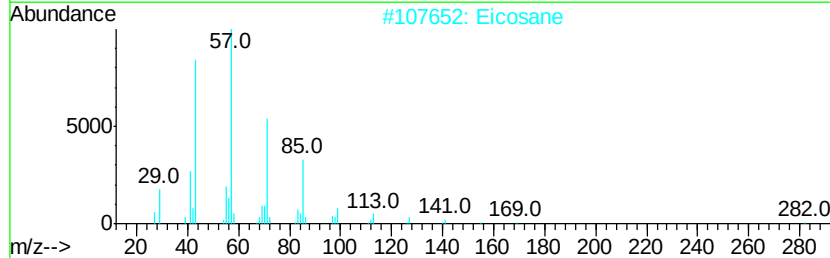
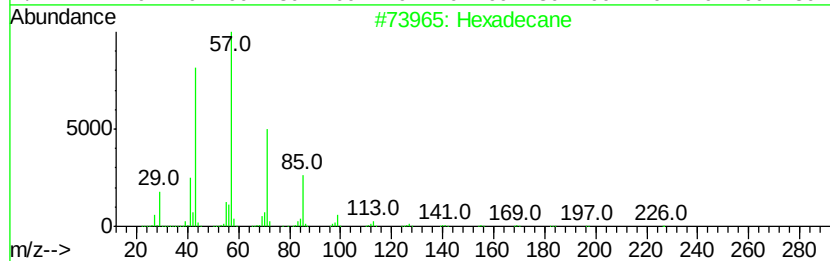
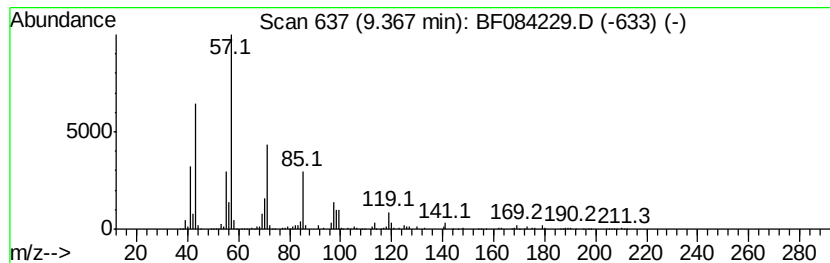
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Hexadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	18.59 ng	4020350	Acenaphthene-d10	9.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	72
2		Eicosane	282	C20H42	000112-95-8	64
3		Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	59
4		Tridecane, 6-methyl-	198	C14H30	013287-21-3	59
5		Nonadecane	268	C19H40	000629-92-5	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
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Acq On : 1 Jan 2016 7:07
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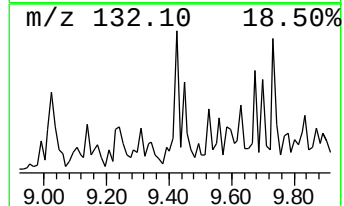
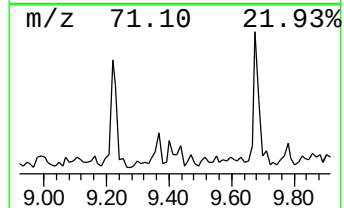
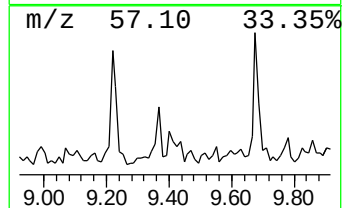
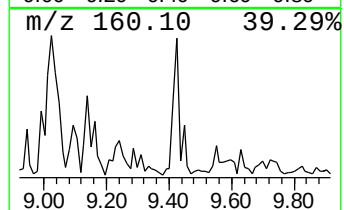
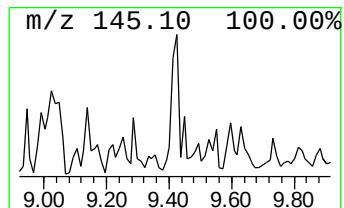
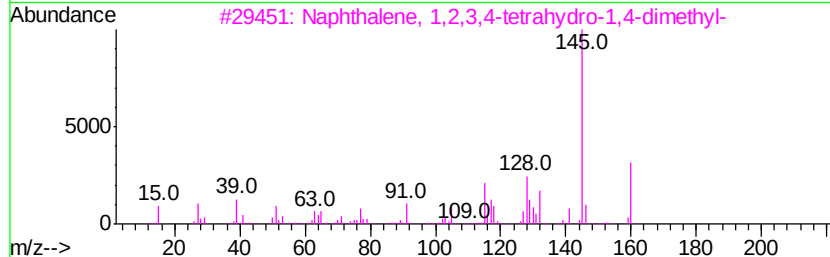
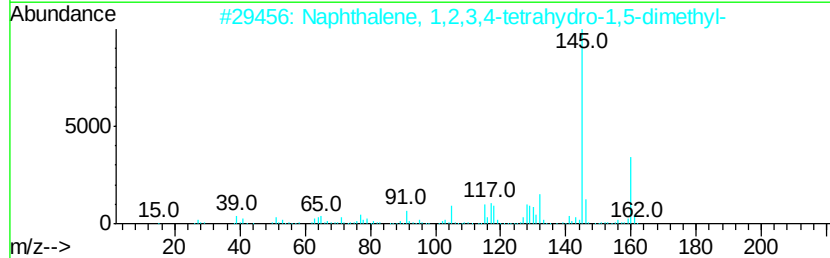
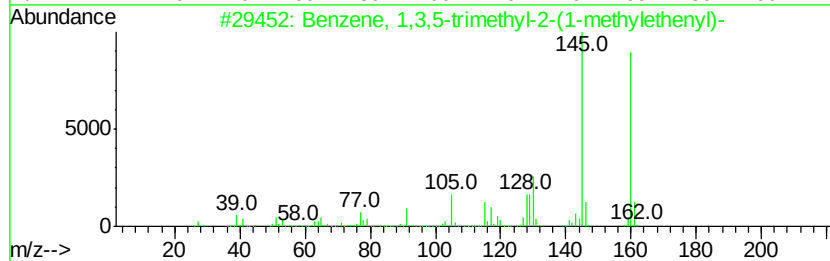
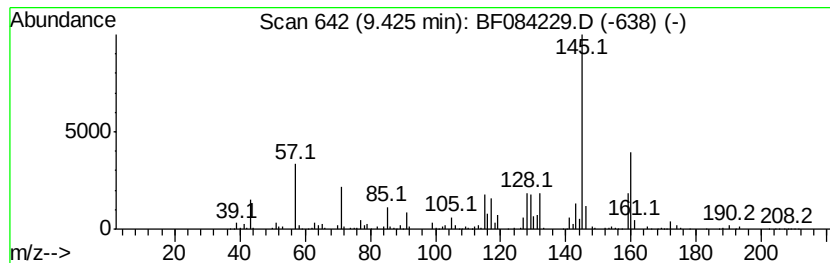
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	22.37 ng	4838040	Acenaphthene-d10	9.95
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1,3,5-trimethyl-2-(1-me...	160 C12H16	014679-13-1 91
2		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	021564-91-0 90
3		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	004175-54-6 87
4		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	021693-54-9 87
5		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	020027-77-4 87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
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Sample : G4960-06 50X
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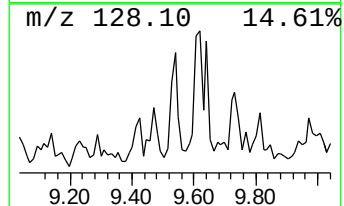
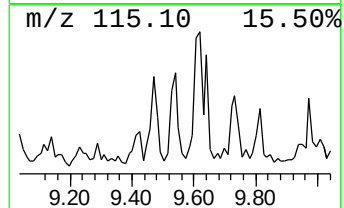
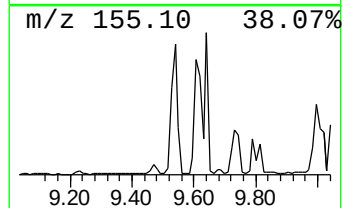
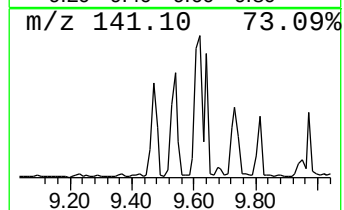
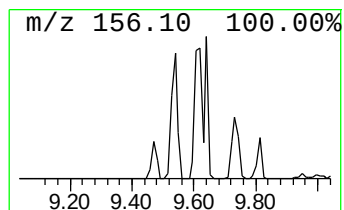
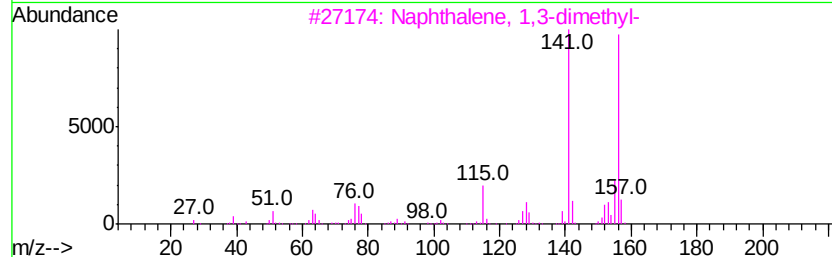
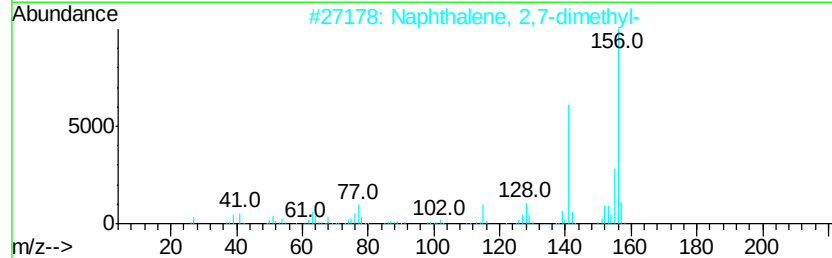
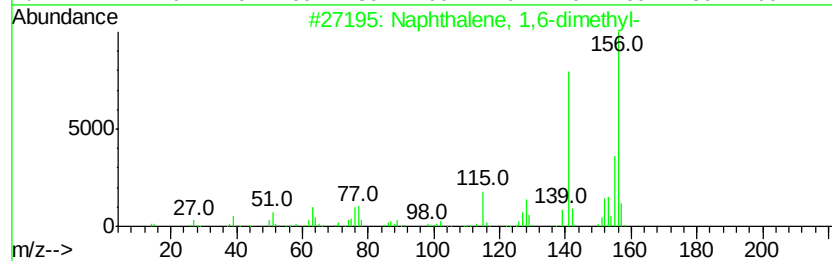
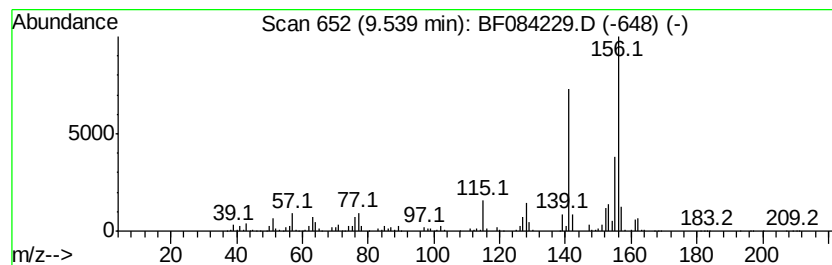
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PJ-SB-3(16.0-16.5)

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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 11 Naphthalene, 1,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	30.09 ng	6506950	Acenaphthene-d10	9.95
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
2		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 96
3		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 96
4		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 96
5		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
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Acq On : 1 Jan 2016 7:07
Operator : UM/SJ
Sample : G4960-06 50X
Misc :
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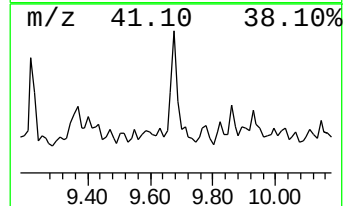
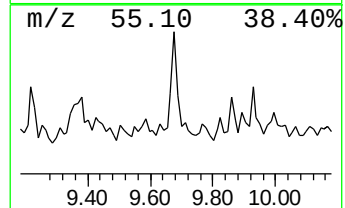
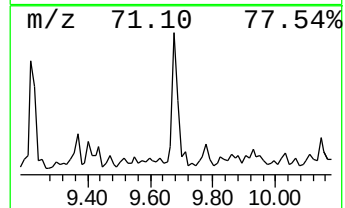
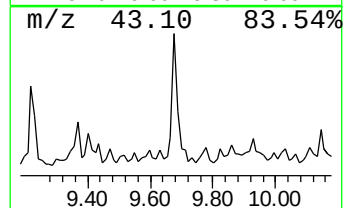
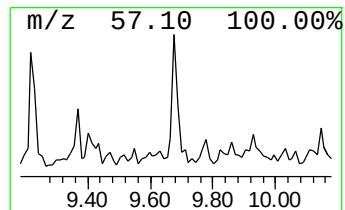
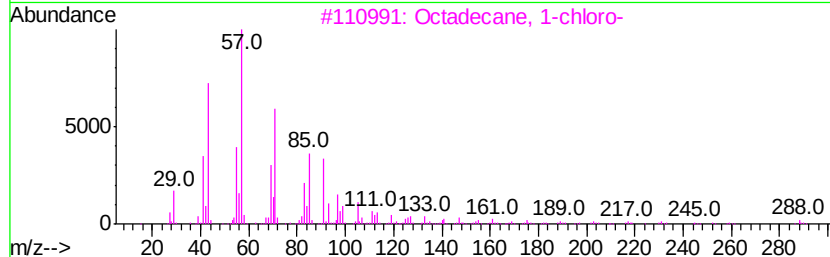
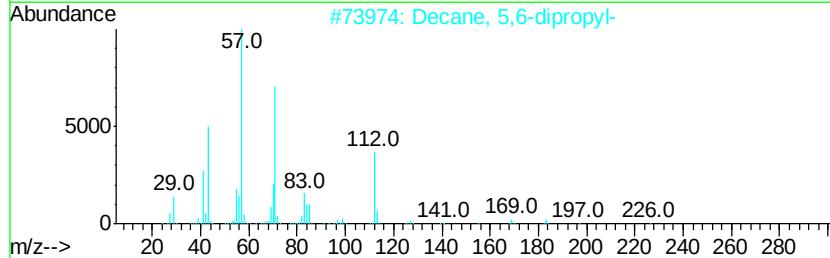
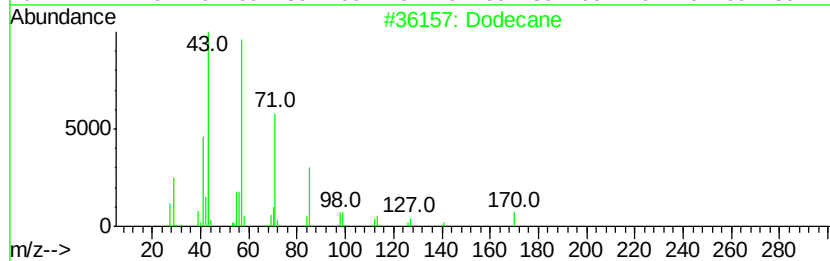
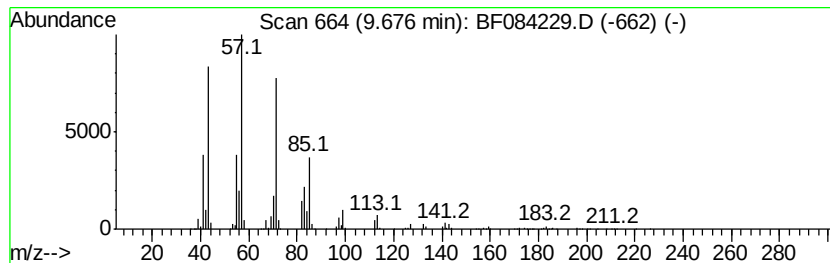
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Dodecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.68	46.09 ng	9968230	Acenaphthene-d10	9.95
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane	170 C12H26	000112-40-3	83
2	Decane, 5,6-dipropyl-	226 C16H34	119209-20-0	83
3	Octadecane, 1-chloro-	288 C18H37Cl	003386-33-2	83
4	Tridecane	184 C13H28	000629-50-5	80
5	Heptadecane, 2,6,10,15-tetramethyl-	296 C21H44	054833-48-6	80



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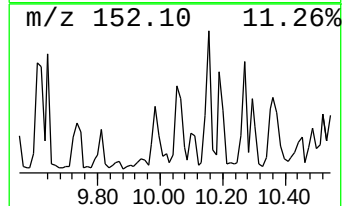
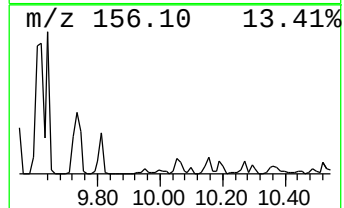
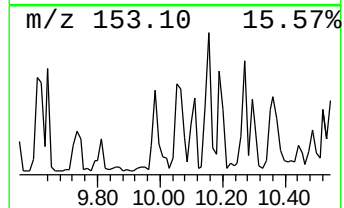
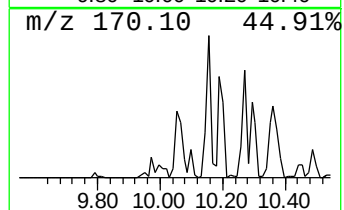
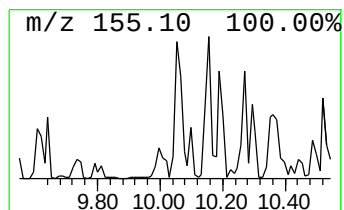
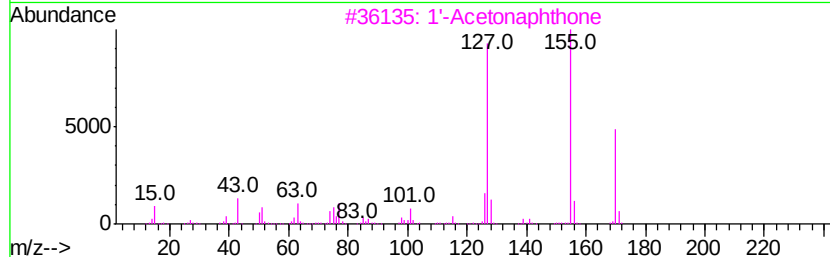
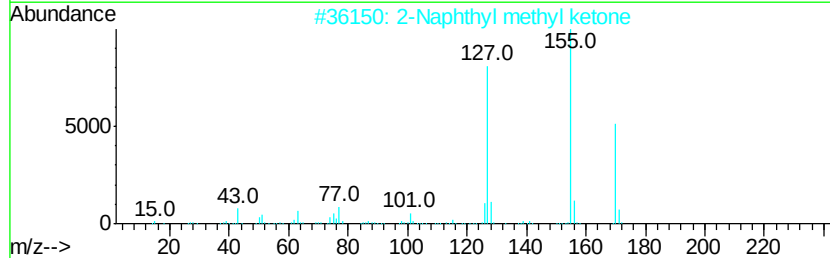
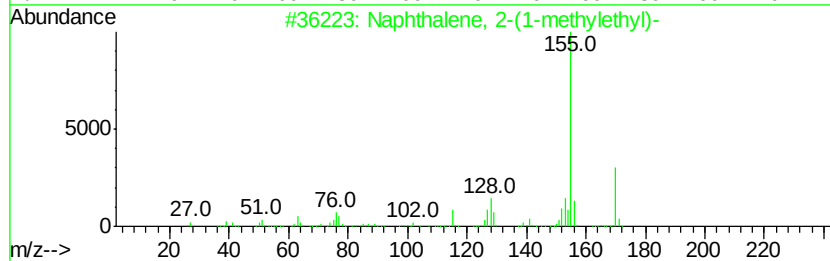
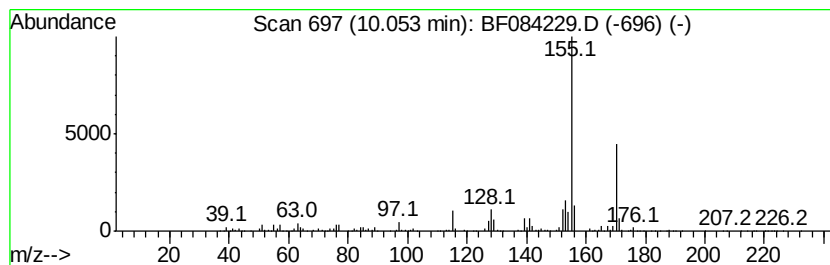
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 2-(1-methyleth... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.05	16.58 ng	3586040	Acenaphthene-d10	9.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
2		2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	74
3		1'-Acetonaphthone	170	C12H10O	000941-98-0	72
4		Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	72
5		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
Data File : BF084229.D
Acq On : 1 Jan 2016 7:07
Operator : UM/SJ
Sample : G4960-06 50X
Misc :
ALS Vial : 40 Sample Multiplier: 1

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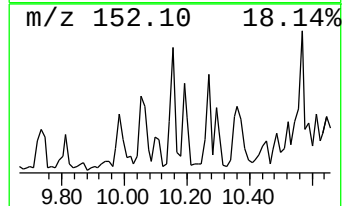
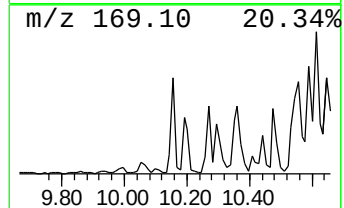
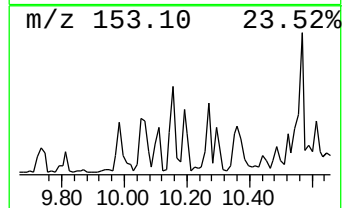
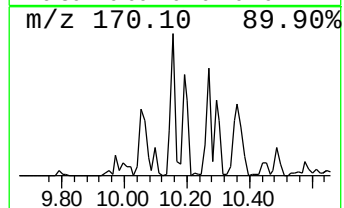
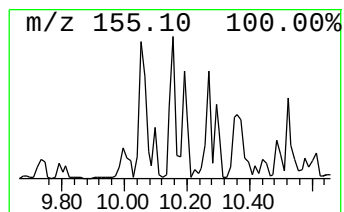
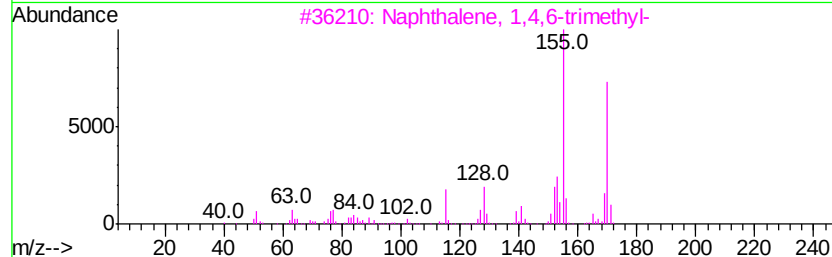
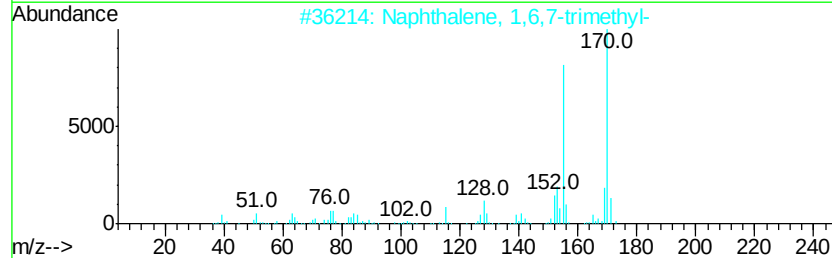
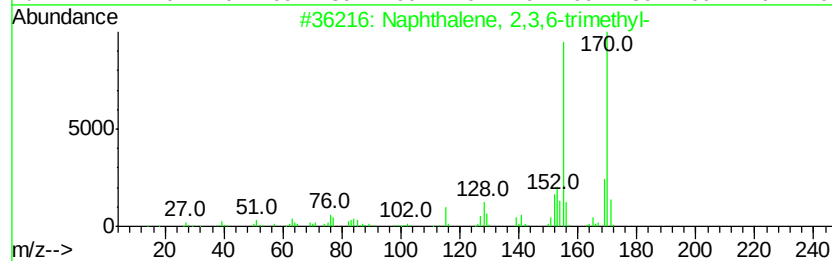
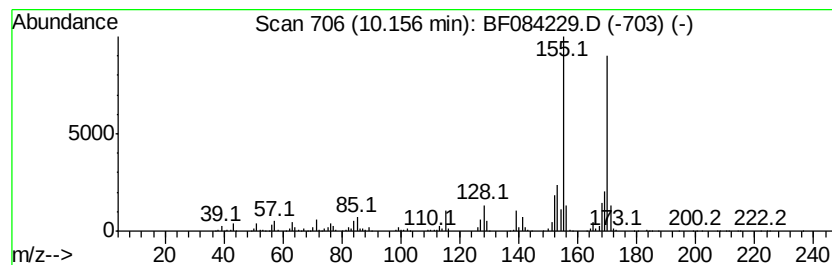
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 2,3,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.16	20.51 ng	4434460	Acenaphthene-d10	9.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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	91
5		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	91



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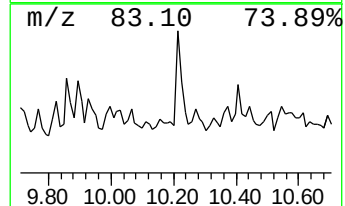
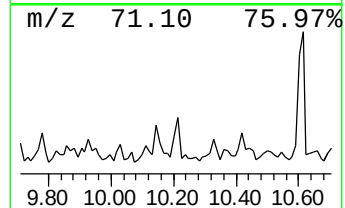
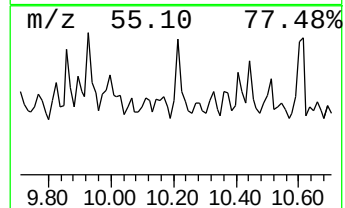
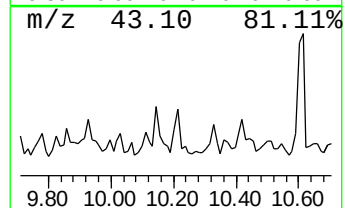
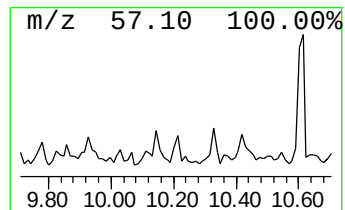
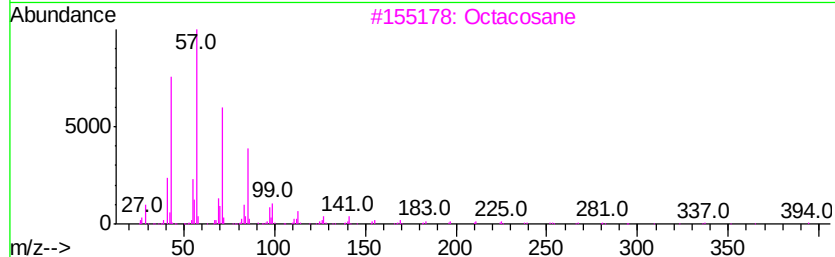
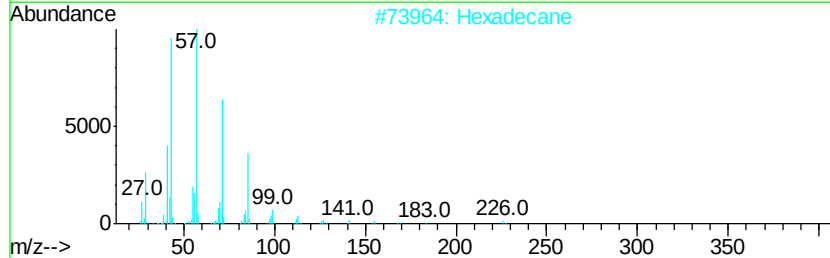
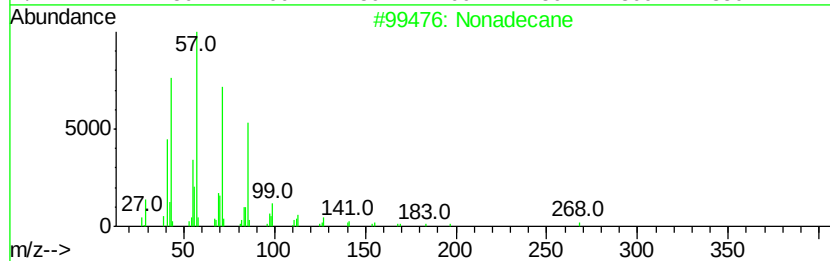
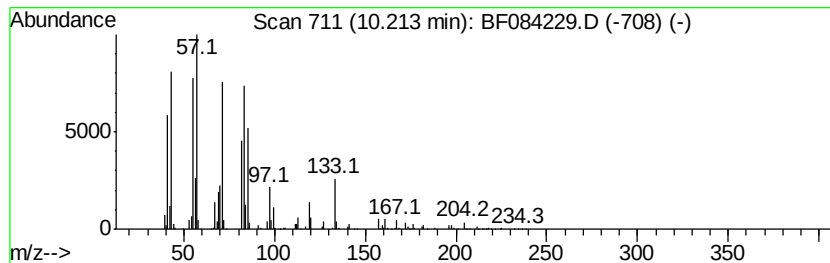
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown10.21 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.21	28.97 ng	6264750	Acenaphthene-d10	9.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	45
2	Hexadecane	226	C16H34	000544-76-3	35
3	Octacosane	394	C28H58	000630-02-4	35
4	Tridecane	184	C13H28	000629-50-5	35
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	30



Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
Data File : BF084229.D
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Operator : UM/SJ
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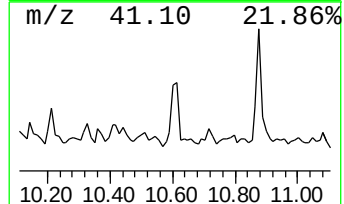
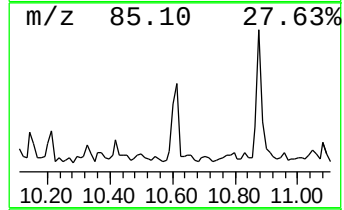
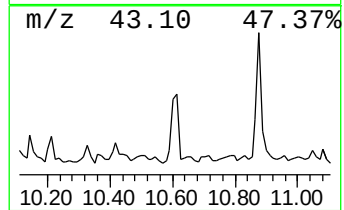
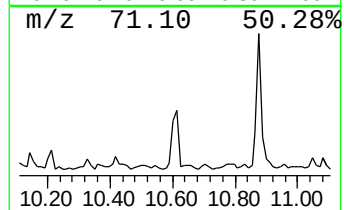
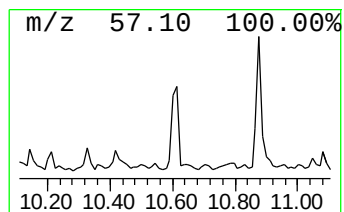
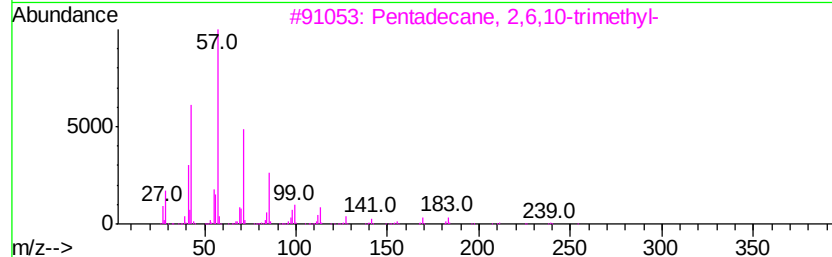
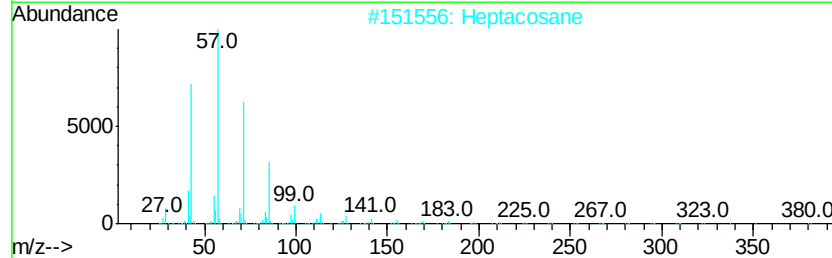
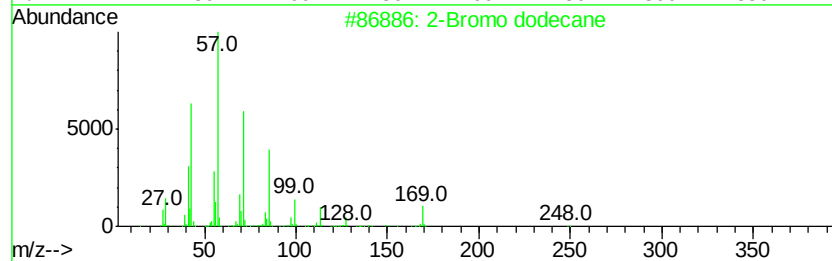
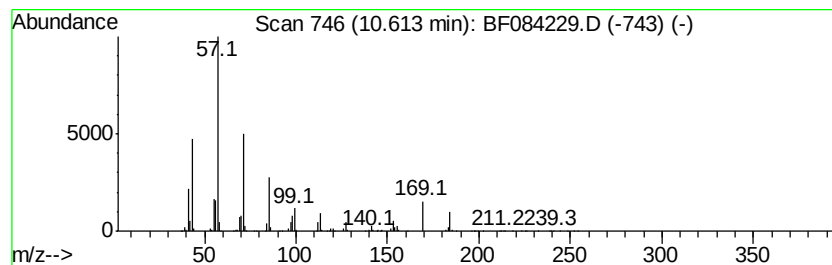
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 2-Bromo dodecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.61	33.75 ng	7298950	Acenaphthene-d10	9.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Bromo dodecane	248	C12H25Br	013187-99-0	80
2		Heptacosane	380	C27H56	000593-49-7	72
3		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	72
4		Hexadecane	226	C16H34	000544-76-3	68
5		Tetradecane, 2-methyl-	212	C15H32	001560-95-8	64



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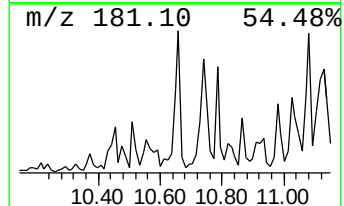
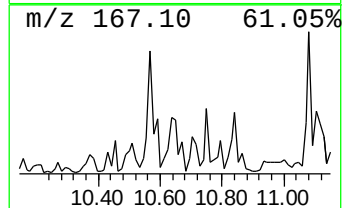
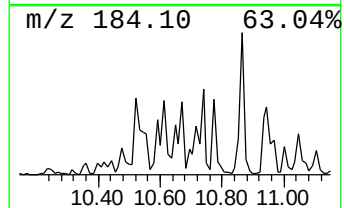
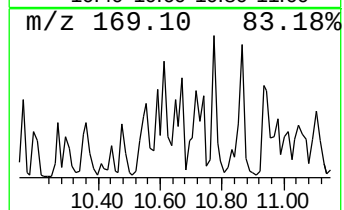
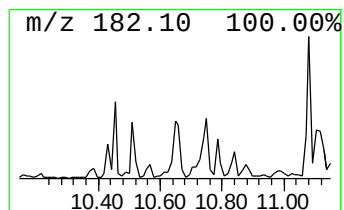
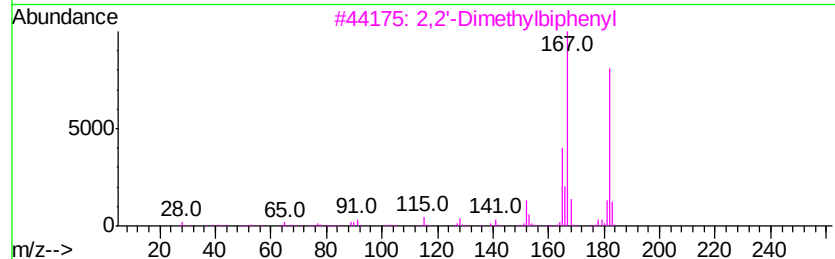
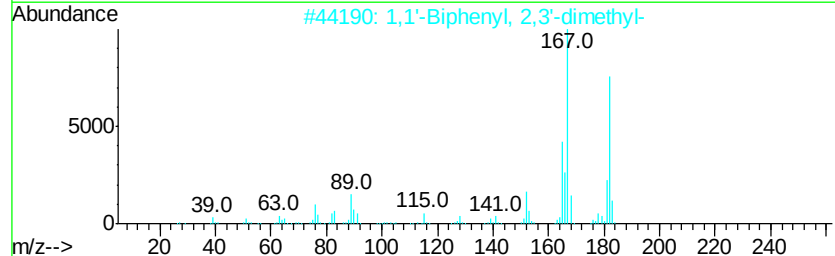
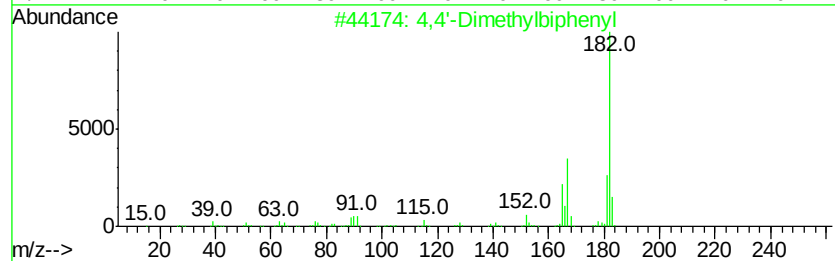
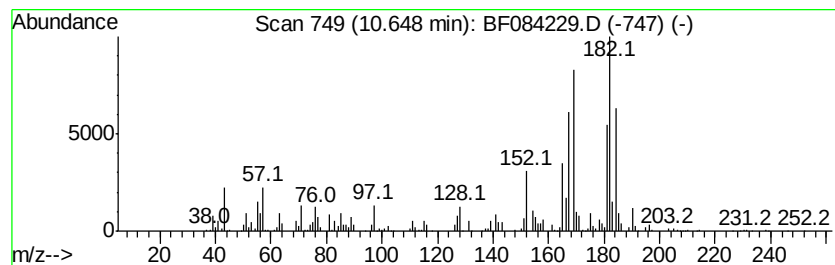
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 4,4'-Dimethylbiphenyl Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	16.03 ng	3467670	Acenaphthene-d10	9.95
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		4,4'-Dimethylbiphenyl	182 C14H14	000613-33-2 50
2		1,1'-Biphenyl, 2,3'-dimethyl-	182 C14H14	000611-43-8 46
3		2,2'-Dimethylbiphenyl	182 C14H14	000605-39-0 46
4		Tricyclo[4.4.1.0(2,5)]undeca-1(1...	182 C14H14	055836-29-8 45
5		3,3'-Dimethylbiphenyl	182 C14H14	000612-75-9 43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
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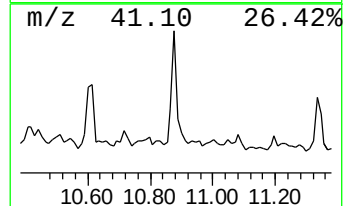
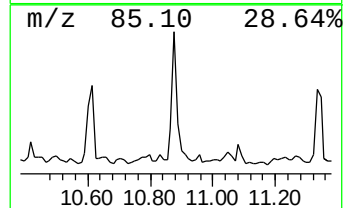
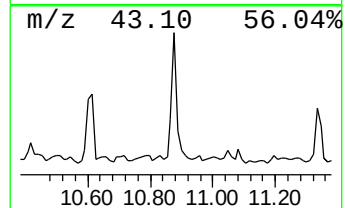
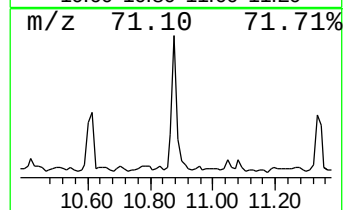
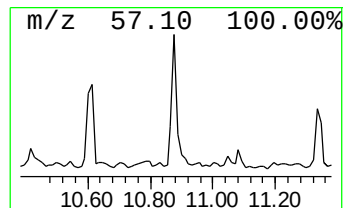
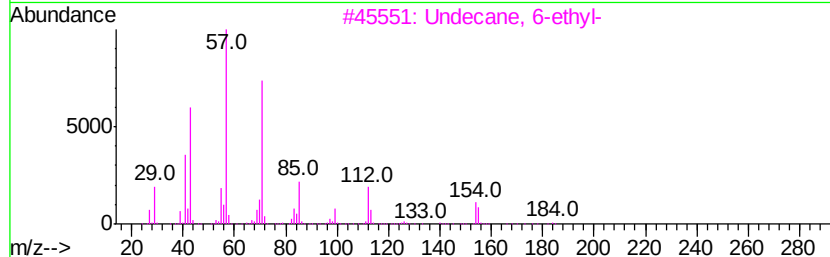
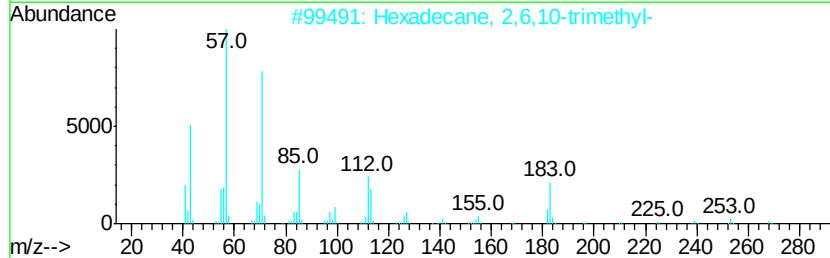
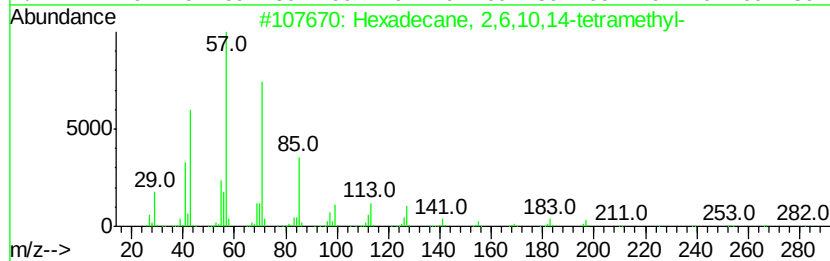
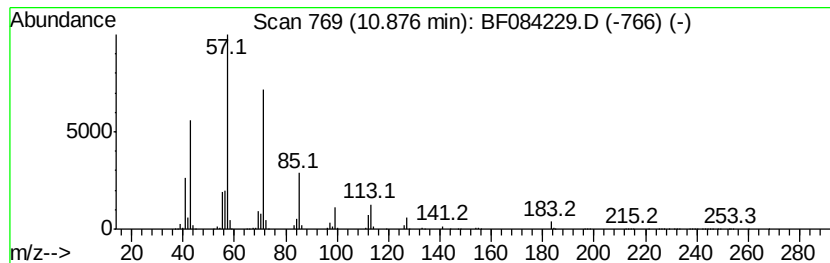
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ClientSampleId :
PJ-SB-3(16.0-16.5)

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 Hexadecane, 2,6,10,14-tetra... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.88	58.62 ng	10725900	Phenanthrene-d10	11.44	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
2	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	81
3	Undecane, 6-ethyl-	184	C13H28	017312-60-6	81
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	78
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
Data File : BF084229.D
Acq On : 1 Jan 2016 7:07
Operator : UM/SJ
Sample : G4960-06 50X
Misc :
ALS Vial : 40 Sample Multiplier: 1

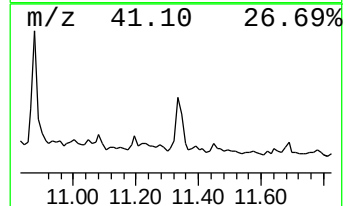
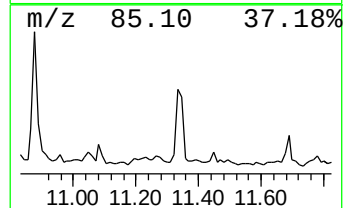
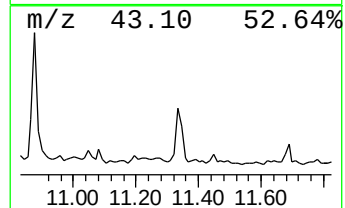
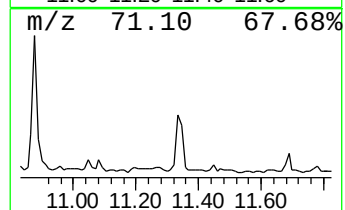
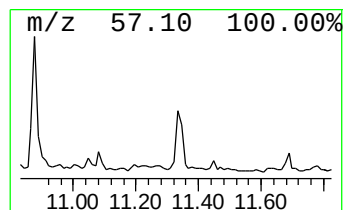
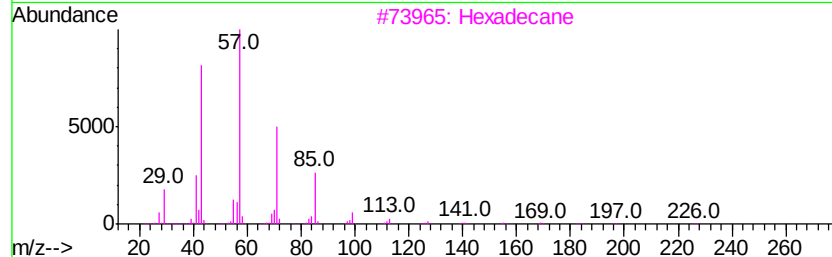
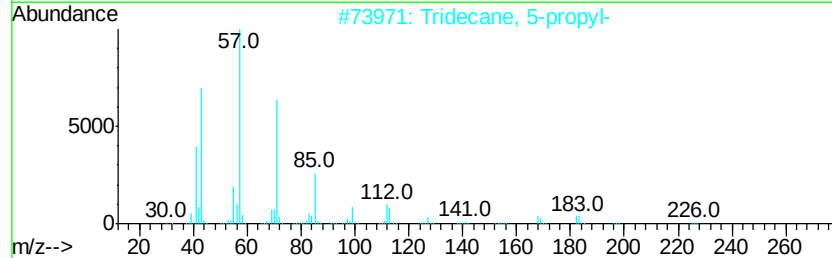
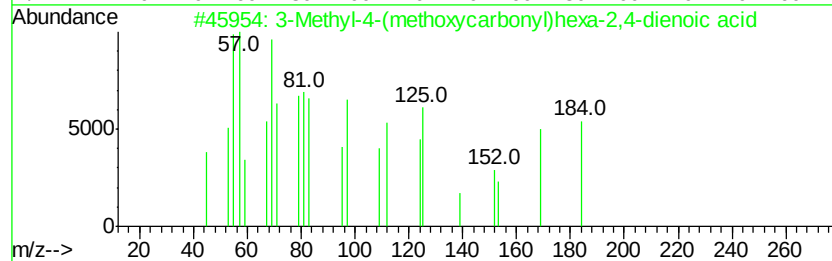
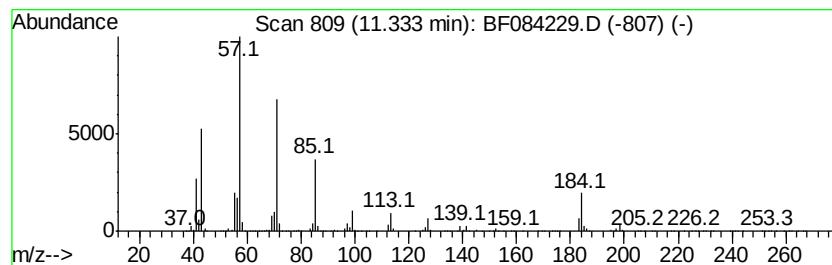
Instrument :
BNA_F
ClientSampleId :
PJ-SB-3(16.0-16.5)

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 20 3-Methyl-4-(methoxycarbonyl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.33	37.47 ng	6856100	Phenanthrene-d10		11.44
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	90
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	81
3	Hexadecane	226	C16H34	000544-76-3	76
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
 Data File : BF084229.D
 Acq On : 1 Jan 2016 7:07
 Operator : UM/SJ
 Sample : G4960-06 50X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-3(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
1-Methyldecahydro...	7.71	18.5	ng	3760820	2	8.19	4075530	20.0
Cyclohexane, pentyl-	7.81	22.7	ng	4621950	2	8.19	4075530	20.0
Undecane, 2,6-dim...	8.26	22.9	ng	4656390	2	8.19	4075530	20.0
Cyclohexane, (4-m...	8.49	21.3	ng	4345340	2	8.19	4075530	20.0
Decane, 2,6,7-tri...	8.62	31.0	ng	6309210	2	8.19	4075530	20.0
unknown8.85	8.85	21.8	ng	4436680	2	8.19	4075530	20.0
Dodecane, 2,6,11-...	9.22	30.5	ng	6591030	3	9.95	4325170	20.0
Hexadecane	9.37	18.6	ng	4020350	3	9.95	4325170	20.0
Benzene, 1,3,5-tr...	9.42	22.4	ng	4838040	3	9.95	4325170	20.0
Naphthalene, 1,6-...	9.54	30.1	ng	6506950	3	9.95	4325170	20.0
Dodecane	9.68	46.1	ng	9968230	3	9.95	4325170	20.0
Naphthalene, 2-(1...	10.05	16.6	ng	3586040	3	9.95	4325170	20.0
Naphthalene, 2,3,...	10.16	20.5	ng	4434460	3	9.95	4325170	20.0
unknown10.21	10.21	29.0	ng	6264750	3	9.95	4325170	20.0
2-Bromo dodecane	10.61	33.8	ng	7298950	3	9.95	4325170	20.0
4,4'-Dimethylbiph...	10.65	16.0	ng	3467670	3	9.95	4325170	20.0
Hexadecane, 2,6,1...	10.88	58.6	ng	10725900	4	11.44	3659730	20.0
3-Methyl-4-(metho...	11.33	37.5	ng	6856100	4	11.44	3659730	20.0