

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
 Data File : BF084276.D
 Acq On : 5 Jan 2016 10:07
 Operator : UM/SJ
 Sample : G4949-03
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-2(21.0-21.5)

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	5.081	259	262	269	rVB	1508352	2124626	12.78%	0.497%
2	5.504	297	299	301	rVB	5665004	5886325	35.40%	1.377%
3	6.041	343	346	348	rVB3	430447	694053	4.17%	0.162%
4	6.133	352	354	357	rVB	1345521	1466723	8.82%	0.343%
5	6.327	368	371	372	rBV	673018	910280	5.47%	0.213%
6	6.419	377	379	383	rVB2	1048647	1268958	7.63%	0.297%
7	6.533	386	389	393	rBV	5640672	6640796	39.94%	1.554%
8	6.659	398	400	403	rVB	5345214	6949427	41.80%	1.626%
9	6.750	404	408	409	rBV3	587402	1046074	6.29%	0.245%
10	6.910	409	422	424	rBV2	3554993	8599520	51.72%	2.012%
11	6.956	424	426	427	rBV	922878	1104748	6.64%	0.259%
12	7.013	427	431	432	rBV3	1123861	2087660	12.56%	0.489%
13	7.047	432	434	436	rBV2	5546531	6329992	38.07%	1.481%
14	7.127	438	441	442	rBV	869405	1339228	8.05%	0.313%
15	7.173	442	445	446	rVB	2039163	2670649	16.06%	0.625%
16	7.207	446	448	450	rVB2	853336	957937	5.76%	0.224%
17	7.287	453	455	457	rBV2	2215908	2540957	15.28%	0.595%
18	7.436	464	468	469	rBV2	3061356	5955126	35.82%	1.394%
19	7.459	469	470	475	rVB2	4299065	5048305	30.36%	1.181%
20	7.539	475	477	479	rVB2	2497179	3928682	23.63%	0.919%
21	7.607	479	483	485	rBV3	2371662	5349492	32.18%	1.252%
22	7.653	485	487	488	rBV	1037014	1279706	7.70%	0.299%
23	7.699	488	491	493	rVB3	2515692	5626348	33.84%	1.317%
24	7.733	493	494	496	rBV2	664368	746096	4.49%	0.175%
25	7.802	496	500	501	rBV3	2236931	5172376	31.11%	1.210%
26	7.825	501	502	504	rVB2	2266703	1752908	10.54%	0.410%
27	7.859	504	505	507	rVB2	1950069	2611811	15.71%	0.611%
28	7.916	507	510	511	rBV2	1432309	2686219	16.16%	0.629%
29	8.007	515	518	520	rBV3	1916986	2779178	16.72%	0.650%
30	8.053	520	522	524	rBV2	2184909	3317064	19.95%	0.776%
31	8.087	524	525	526	rVB	1050163	720412	4.33%	0.169%
32	8.145	526	530	531	rBV3	2305615	5717530	34.39%	1.338%
33	8.179	531	533	534	rVV	3658573	5244753	31.55%	1.227%
34	8.213	534	536	537	rVV2	1546577	2834818	17.05%	0.663%

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.259	537	540	545	rVB2	5970649	15553613	93.55%	3.640%
36	8.350	545	548	549	rBV3	1234303	2583233	15.54%	0.604%
37	8.385	549	551	553	rVB2	2011292	3198282	19.24%	0.748%
38	8.476	556	559	561	rVB4	3251655	5878335	35.36%	1.376%
39	8.567	566	567	569	rVB2	2270240	2753177	16.56%	0.644%
40	8.613	569	571	574	rBV	6243033	12666545	76.18%	2.964%
41	8.693	576	578	579	rBV	2160769	2764655	16.63%	0.647%
42	8.785	584	586	588	rBV3	1985135	4025749	24.21%	0.942%
43	8.876	593	594	598	rVB2	3902689	5674763	34.13%	1.328%
44	8.945	598	600	601	rBV2	1345457	1837836	11.05%	0.430%
45	9.002	601	605	610	rBV5	3775460	11213421	67.44%	2.624%
46	9.105	610	614	615	rBV3	3156335	6028055	36.26%	1.411%
47	9.139	615	617	618	rBV	1013712	848120	5.10%	0.198%
48	9.219	621	624	626	rBV2	8043093	8771955	52.76%	2.053%
49	9.265	626	628	629	rVB	4538098	3829620	23.03%	0.896%
50	9.356	633	636	638	rBV2	3051917	7329087	44.08%	1.715%
51	9.413	638	641	644	rVB3	2143051	5423186	32.62%	1.269%
52	9.470	644	646	648	rVB2	2180177	2529564	15.21%	0.592%
53	9.539	649	652	654	rBV2	3217277	5311831	31.95%	1.243%
54	9.608	654	658	659	rBV2	5371918	8508365	51.17%	1.991%
55	9.676	662	664	667	rVB2	8523390	11668978	70.18%	2.731%
56	9.813	674	676	678	rVB2	2184386	2902554	17.46%	0.679%
57	9.859	678	680	682	rVB3	3506933	3398539	20.44%	0.795%
58	9.928	684	686	689	rVB4	3012935	6022778	36.22%	1.409%
59	9.985	689	691	692	rBV2	2457623	3436315	20.67%	0.804%
60	10.053	696	697	699	rVB	3639584	4572265	27.50%	1.070%
61	10.099	699	701	703	rBV2	1900030	2896731	17.42%	0.678%
62	10.156	703	706	708	rVB2	4559849	6475279	38.95%	1.515%
63	10.202	708	710	714	rVB3	4566281	9750975	58.65%	2.282%
64	10.270	714	716	717	rBV	4784851	5417103	32.58%	1.268%
65	10.362	722	724	727	rVV2	3518137	5780235	34.77%	1.353%
66	10.408	727	728	730	rVV2	1860491	2818911	16.95%	0.660%
67	10.499	733	736	739	rBV5	2703885	7850384	47.22%	1.837%
68	10.613	743	746	747	rVV	8271973	12398649	74.57%	2.901%
69	10.648	747	749	752	rVB4	2937733	5749678	34.58%	1.345%
70	10.739	754	757	759	rVV4	2772244	4967834	29.88%	1.162%
71	10.831	763	765	766	rBV2	1266737	2084940	12.54%	0.488%

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72	10.876	766	769	773	rVB2	9635247	16626123	100.00%	3.891%
73	10.933	773	774	777	rBV3	1744547	2457898	14.78%	0.575%
74	11.048	782	784	785	rVB2	1930894	2294143	13.80%	0.537%
75	11.082	785	787	789	rBV3	4139267	4671851	28.10%	1.093%
76	11.196	794	797	800	rVB3	2776030	4054857	24.39%	0.949%
77	11.333	806	809	812	rVB	8058773	11733149	70.57%	2.746%
78	11.459	816	820	822	rBV2	4081877	6146362	36.97%	1.438%
79	11.551	826	828	829	rBV2	1378613	1906256	11.47%	0.446%
80	11.676	837	839	843	rVB3	3138502	5292860	31.83%	1.239%
81	11.768	844	847	852	rVB4	1948297	4544861	27.34%	1.064%
82	11.939	860	862	863	rBV	1831066	2644793	15.91%	0.619%
83	11.962	863	864	866	rVB	3139198	2384554	14.34%	0.558%
84	12.042	869	871	875	rVB2	3348920	5697602	34.27%	1.333%
85	12.168	880	882	883	rVB2	842205	991359	5.96%	0.232%
86	12.374	898	900	901	rVB	961866	981140	5.90%	0.230%
87	12.408	901	903	906	rVB2	2156360	3168006	19.05%	0.741%
88	12.476	907	909	911	rBV	2060546	2219080	13.35%	0.519%
89	12.556	915	916	918	rVB2	629947	710014	4.27%	0.166%
90	12.636	921	923	926	rVB	2798452	2662238	16.01%	0.623%
91	12.796	935	937	940	rVB3	420338	763709	4.59%	0.179%
92	12.865	940	943	946	rVB	2304754	3136743	18.87%	0.734%
93	12.922	946	948	951	rVB2	640060	763674	4.59%	0.179%
94	13.002	953	955	958	rVB	4063174	5114672	30.76%	1.197%
95	13.071	959	961	968	rVB4	313709	854804	5.14%	0.200%
96	13.288	978	980	986	rVB4	343549	682461	4.10%	0.160%
97	14.054	1043	1047	1052	rVB2	1853346	3347888	20.14%	0.783%
98	15.071	1134	1136	1141	rBV	526415	1140140	6.86%	0.267%
99	15.425	1165	1167	1170	rBV	514161	626355	3.77%	0.147%
100	15.494	1170	1173	1175	rBV	1076523	1419107	8.54%	0.332%

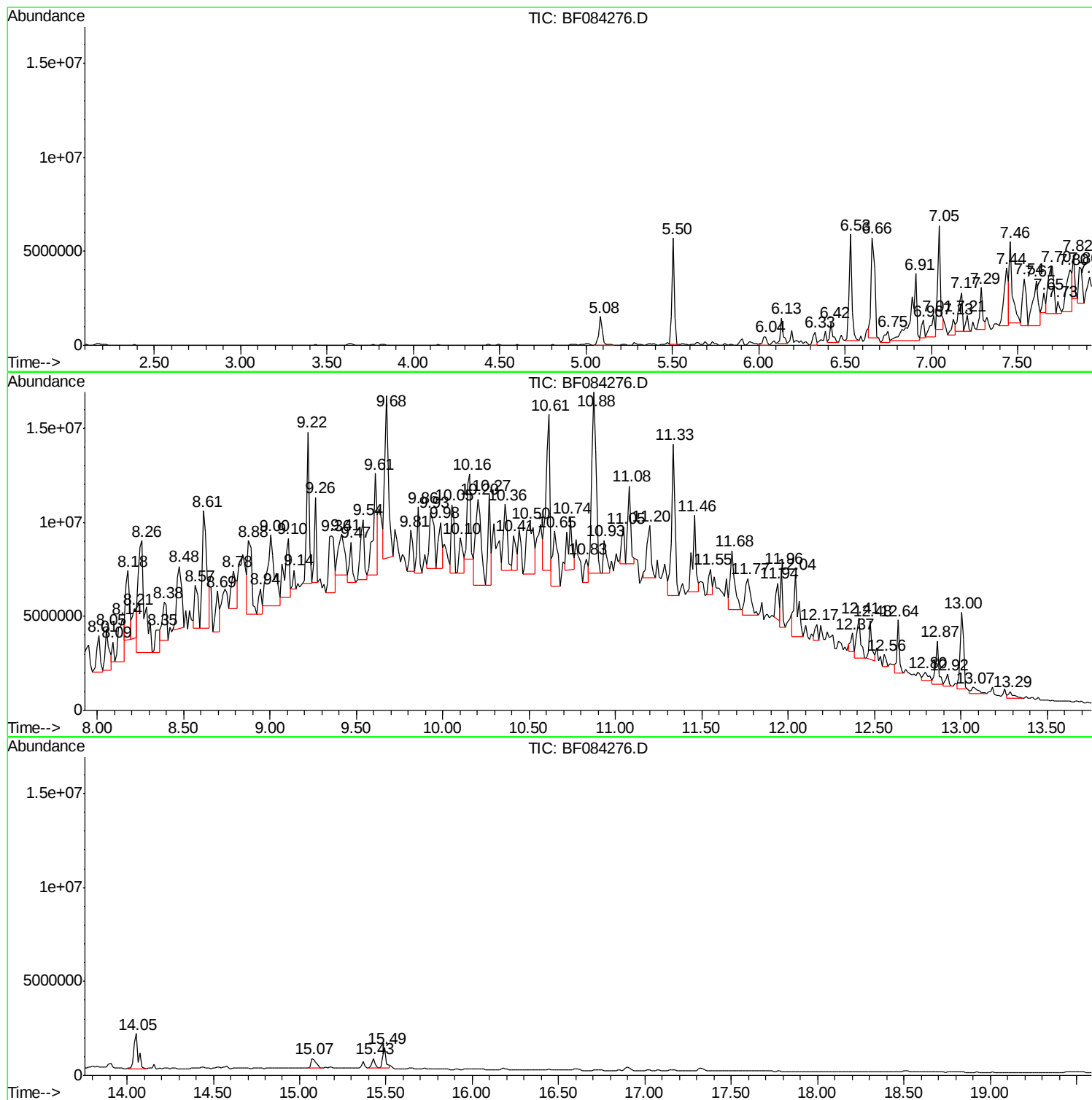
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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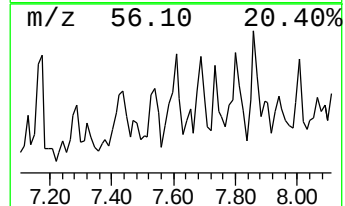
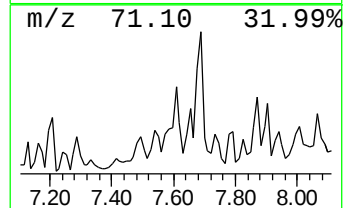
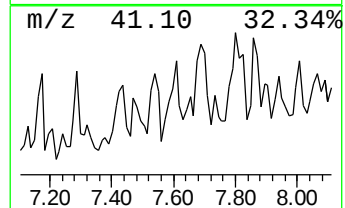
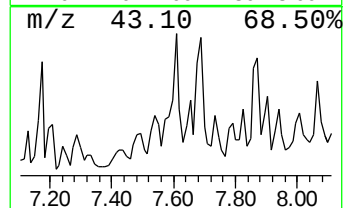
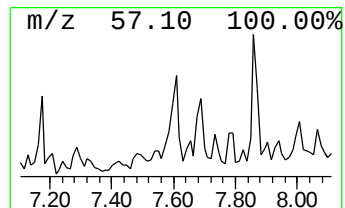
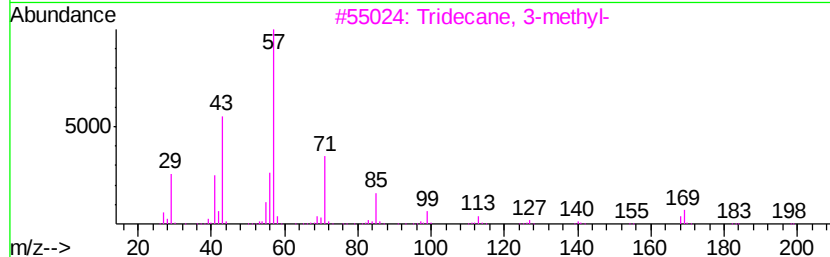
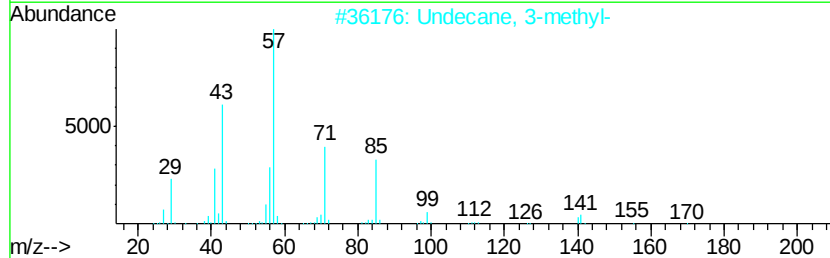
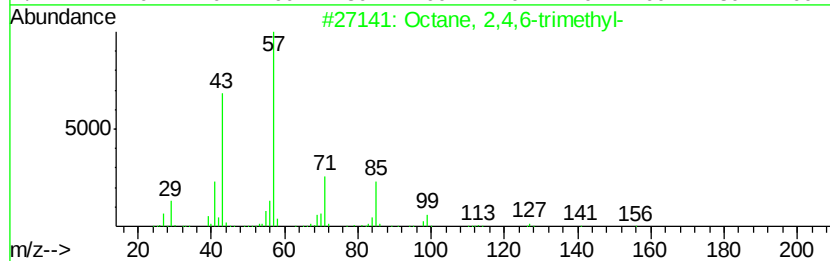
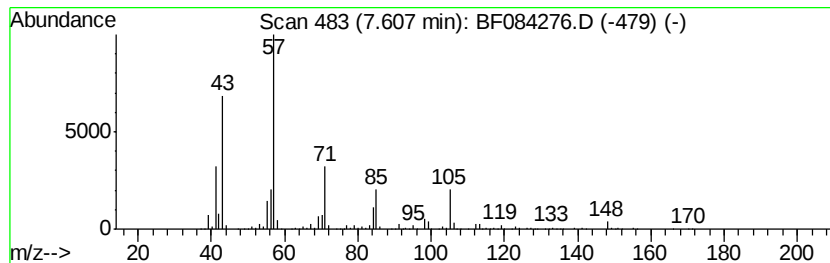
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Octane, 2,4,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	20.40 ng	5349490	Napthalene-d8	8.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	50
2		Undecane, 3-methyl-	170	C12H26	001002-43-3	50
3		Tridecane, 3-methyl-	198	C14H30	006418-41-3	47
4		4,4-Dimethylcyclooctene	138	C10H18	1000113-56-7	47
5		Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	43



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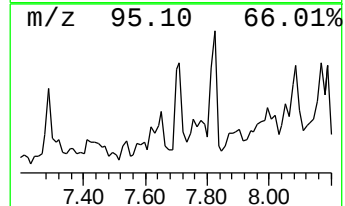
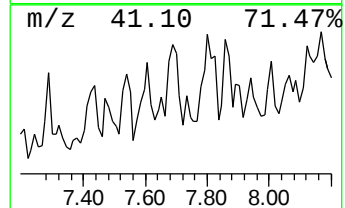
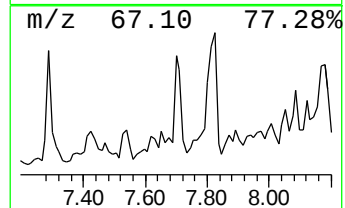
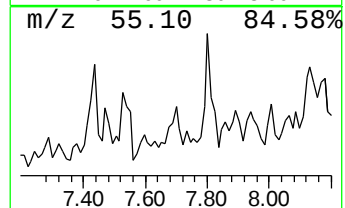
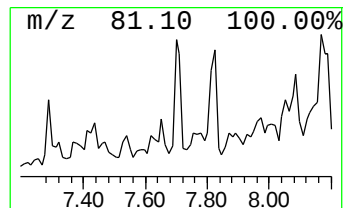
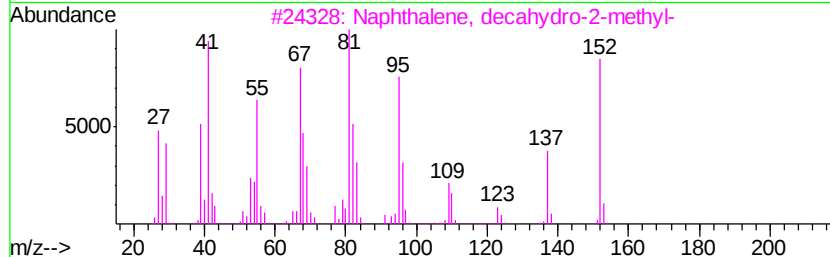
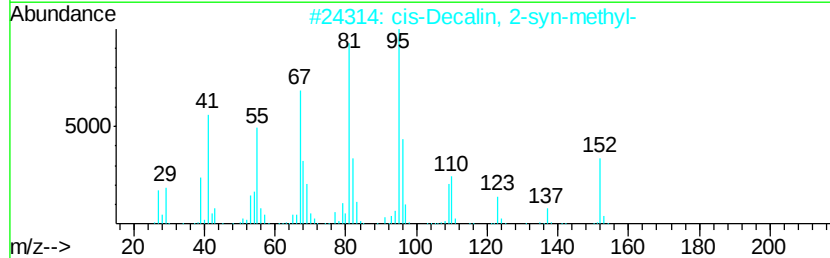
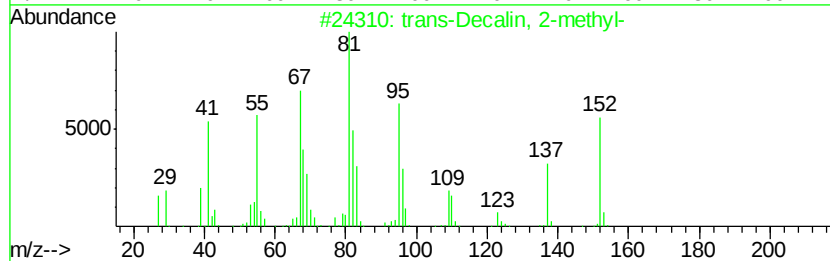
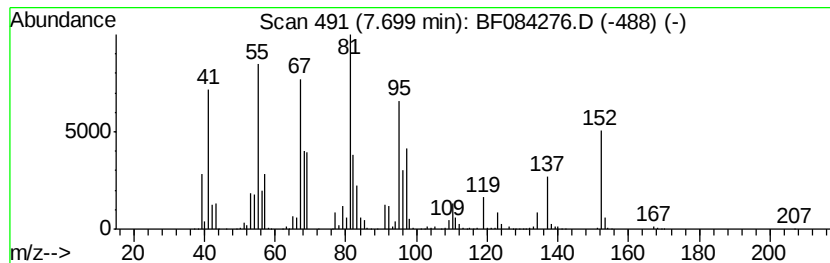
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 trans-Decalin, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
7.70	21.46 ng	5626350	Naphthalene-d8	8.18		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-		152	C11H20	1000152-47-3	93
2	cis-Decalin, 2-syn-methyl-		152	C11H20	1000155-85-6	87
3	Naphthalene, decahydro-2-methyl-		152	C11H20	002958-76-1	76
4	Bicyclo[4.1.0]heptane, 3-methyl-		110	C8H14	041977-47-3	70
5	Bicyclo[4.1.0]heptan-2-one, 3,5,...		152	C10H16O	029750-24-1	64



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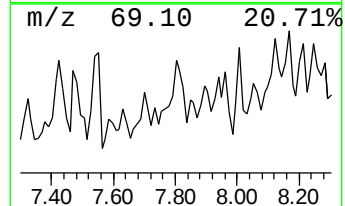
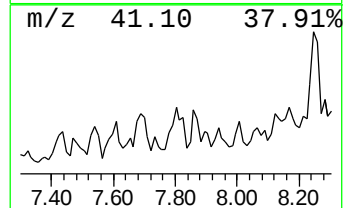
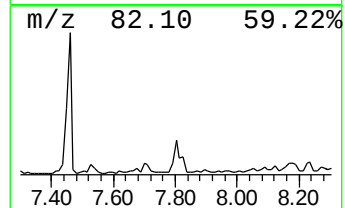
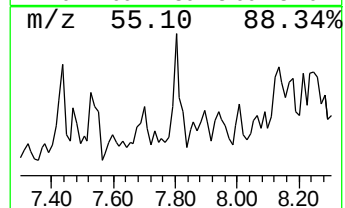
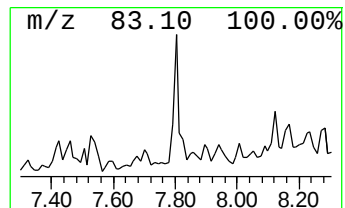
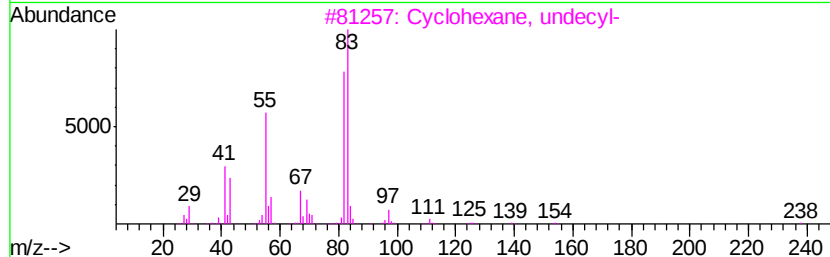
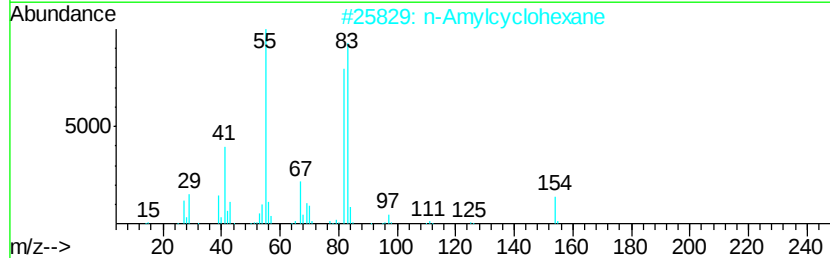
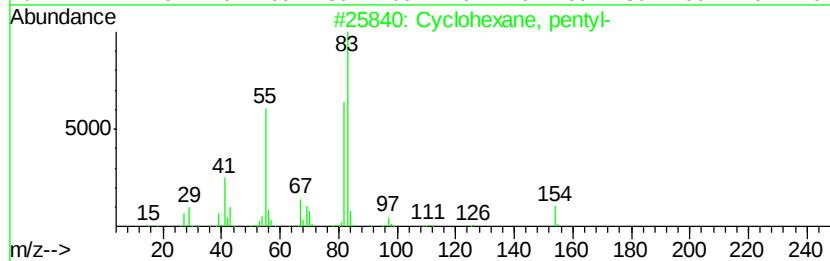
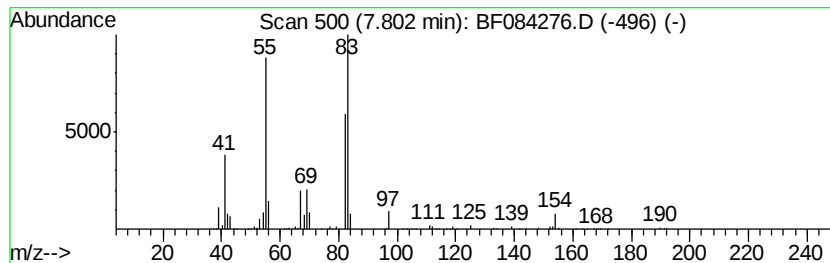
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexane, pentyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.80	19.72 ng	5172380	Napthalene-d8	8.18

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, undecyl-	238	C17H34	054105-66-7	83
4		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	78
5		Cyclohexane, hexyl-	168	C12H24	004292-75-5	78



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
Data File : BF084276.D
Acq On : 5 Jan 2016 10:07
Operator : UM/SJ
Sample : G4949-03
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PJ-SB-2(21.0-21.5)

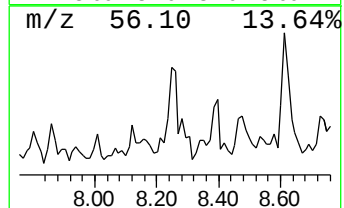
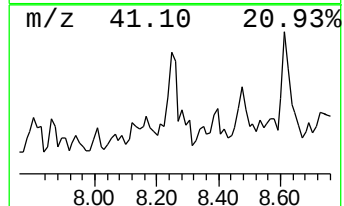
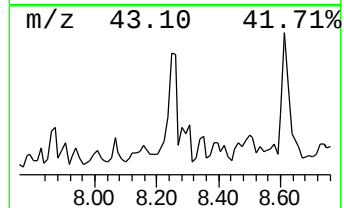
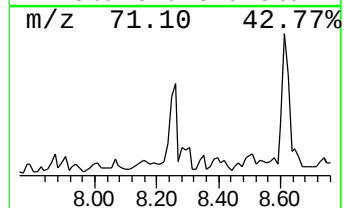
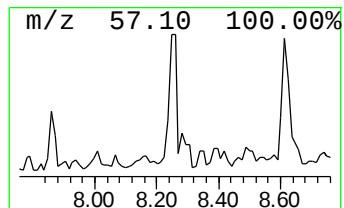
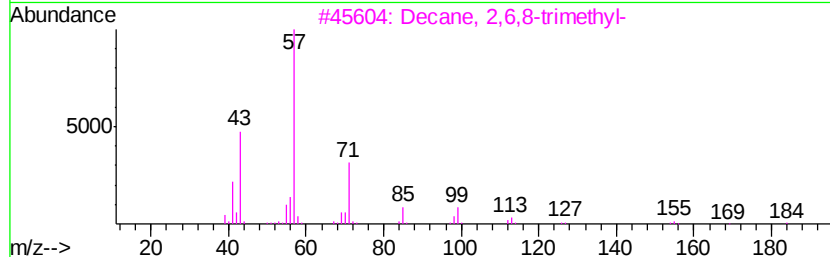
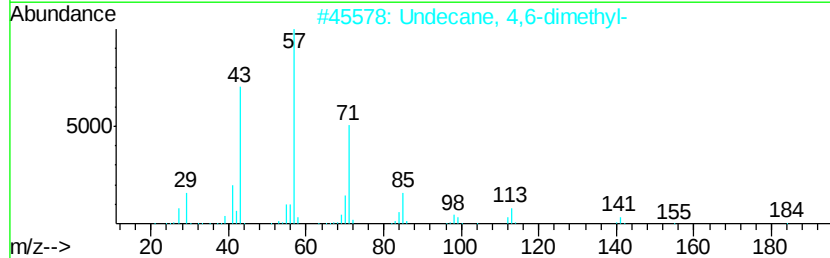
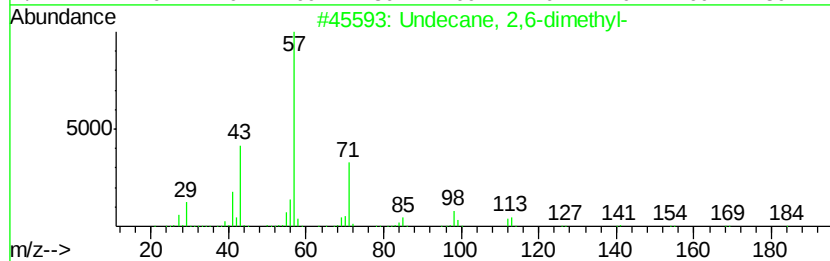
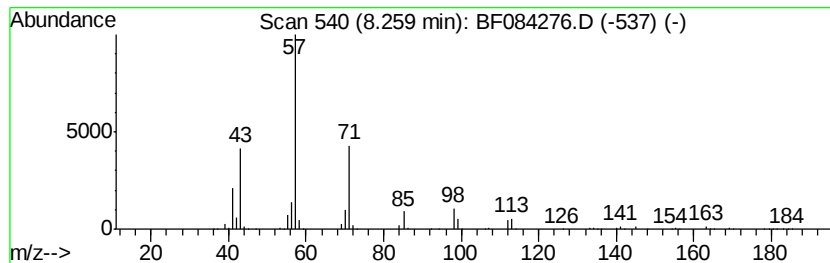
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Undecane, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.26	59.31 ng	15553600	Napthalene-d8	8.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	91
2		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	86
3		Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	86
4		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	72
5		Dodecane, 6-methyl-	184	C13H28	006044-71-9	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
Data File : BF084276.D
Acq On : 5 Jan 2016 10:07
Operator : UM/SJ
Sample : G4949-03
Misc :
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Instrument :
BNA_F
ClientSampleId :
PJ-SB-2(21.0-21.5)

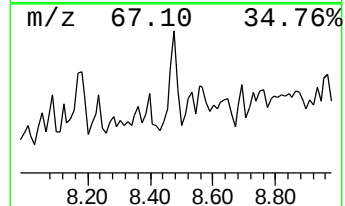
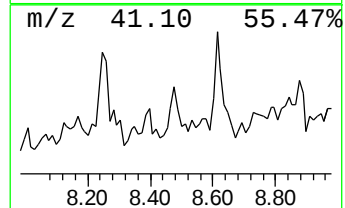
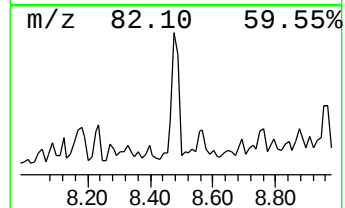
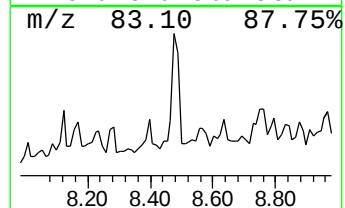
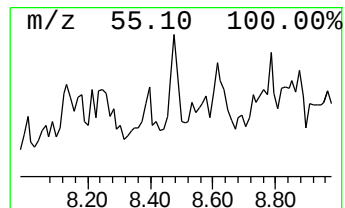
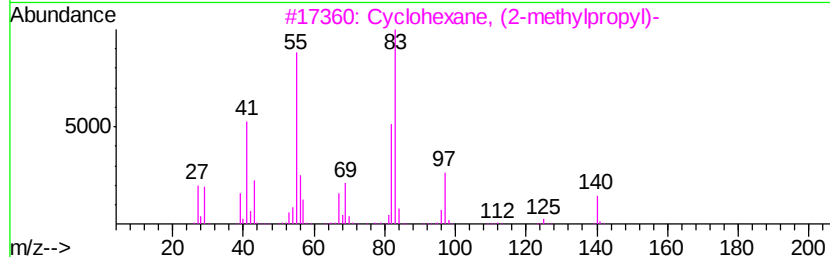
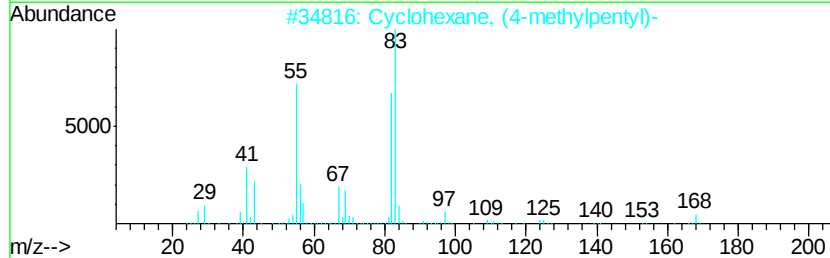
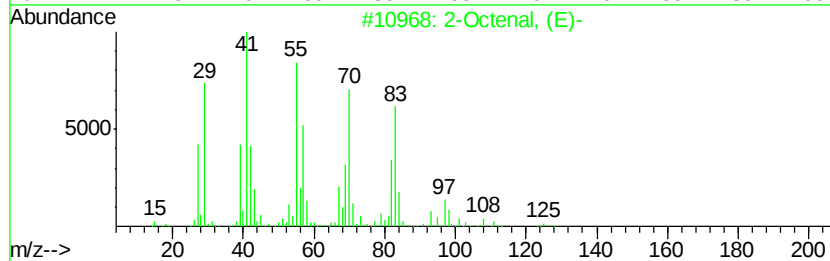
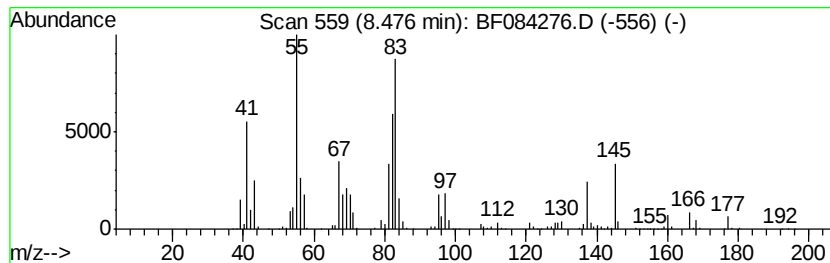
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 2-Octenal, (E)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	22.42 ng	5878340	Napthalene-d8	8.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Octenal, (E)-	126	C8H14O	002548-87-0	64
2		Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	58
3		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	53
4		Cyclohexane, hexyl-	168	C12H24	004292-75-5	50
5		Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084276.D
Acq On : 5 Jan 2016 10:07
Operator : UM/SJ
Sample : G4949-03
Misc :
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Instrument :
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ClientSampleId :
PJ-SB-2(21.0-21.5)

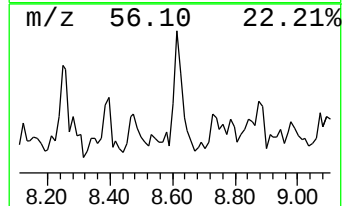
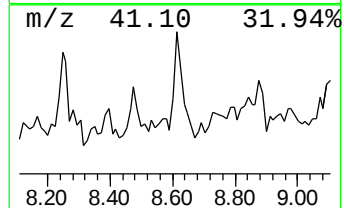
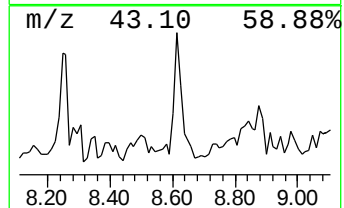
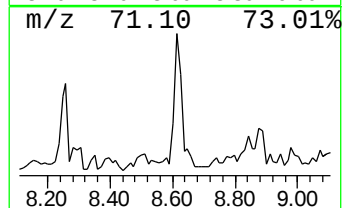
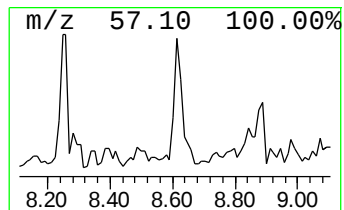
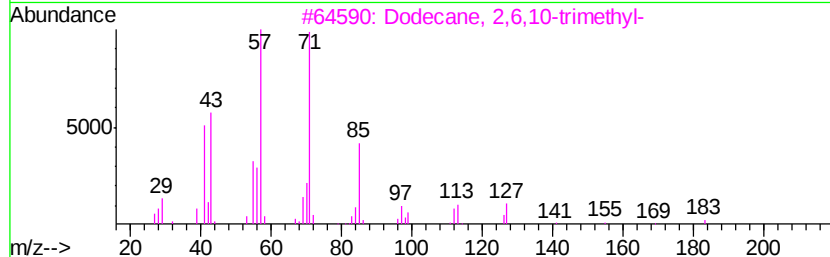
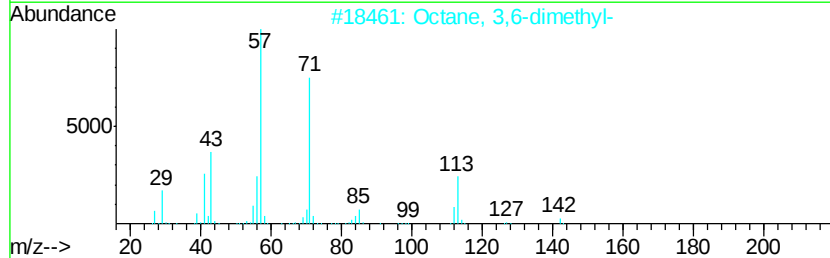
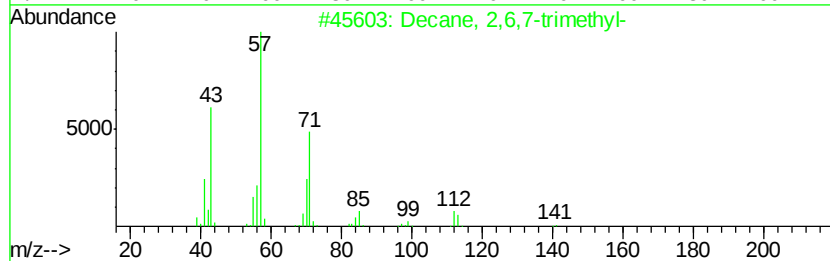
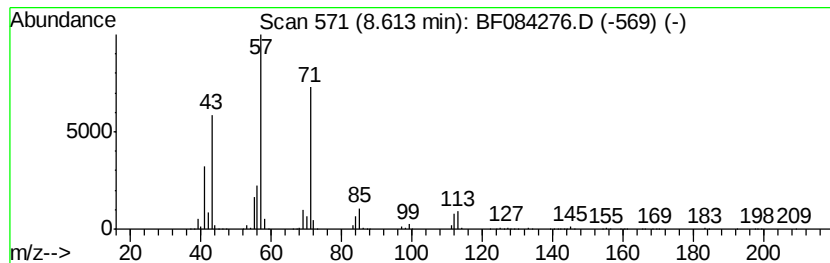
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Decane, 2,6,7-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	48.30 ng	12666500	Napthalene-d8	8.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	90
2		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	78
4		Nonane, 3-methyl-	142	C10H22	005911-04-6	64
5		Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
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Acq On : 5 Jan 2016 10:07
Operator : UM/SJ
Sample : G4949-03
Misc :
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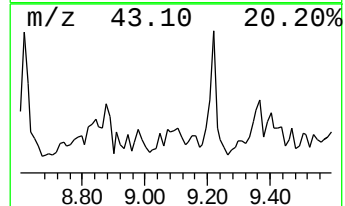
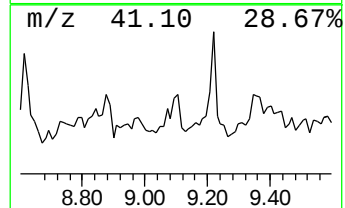
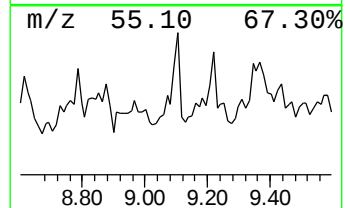
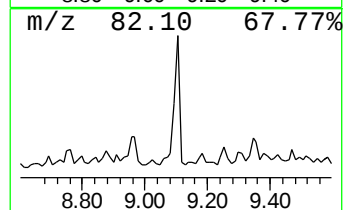
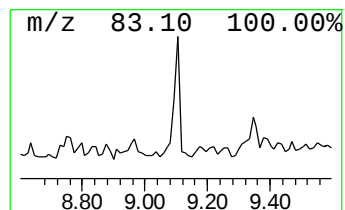
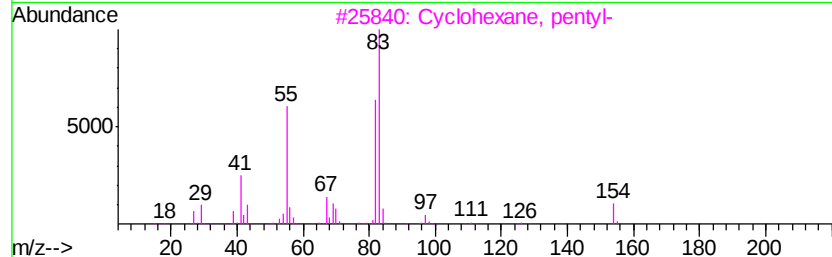
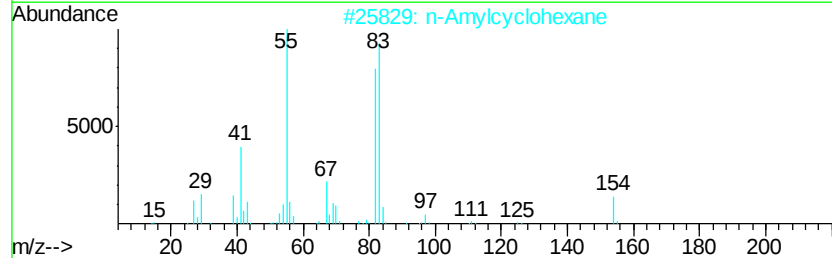
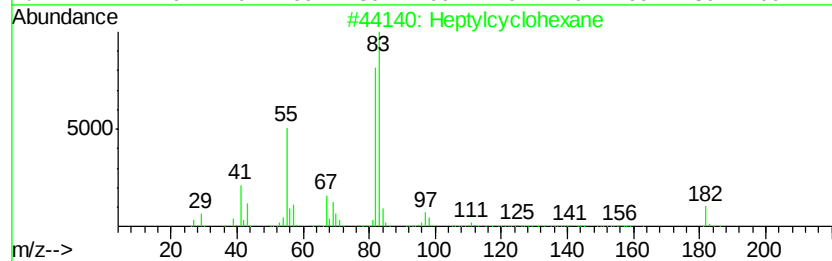
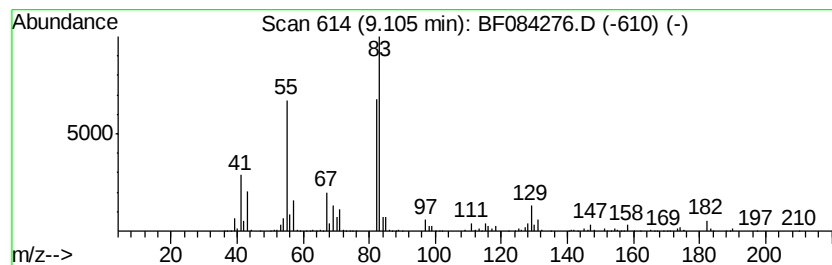
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PJ-SB-2(21.0-21.5)

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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 Heptylcyclohexane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	20.02 ng	6028060	Acenaphthene-d10	9.95
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Heptylcyclohexane	182 C13H26	005617-41-4 81
2		n-Amylcyclohexane	154 C11H22	029949-27-7 76
3		Cyclohexane, pentyl-	154 C11H22	004292-92-6 76
4		Cyclohexane, undecyl-	238 C17H34	054105-66-7 72
5		Cyclohexane, octyl-	196 C14H28	001795-15-9 72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084276.D
Acq On : 5 Jan 2016 10:07
Operator : UM/SJ
Sample : G4949-03
Misc :
ALS Vial : 43 Sample Multiplier: 1

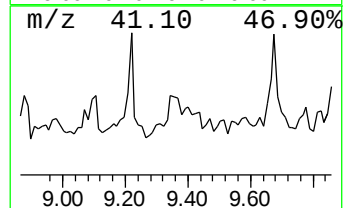
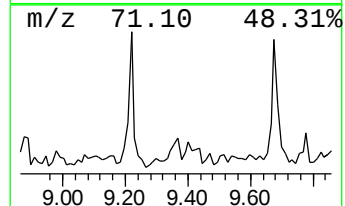
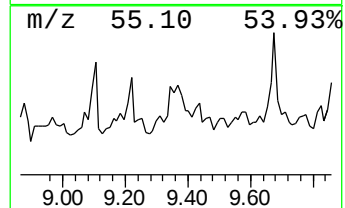
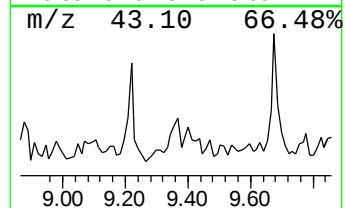
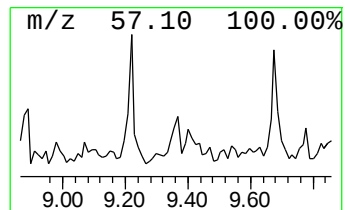
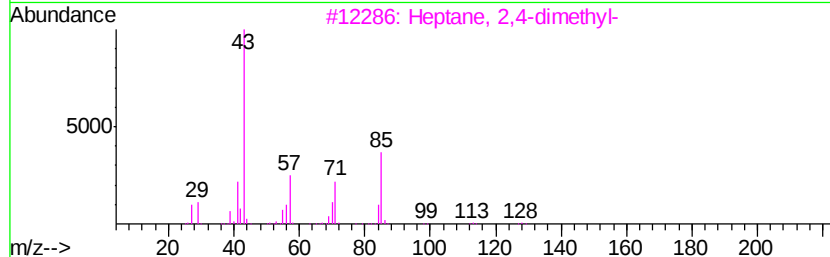
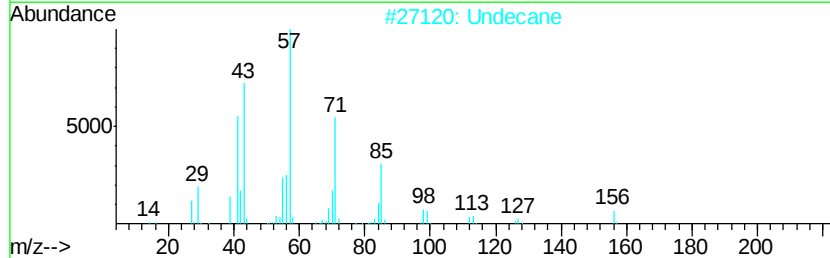
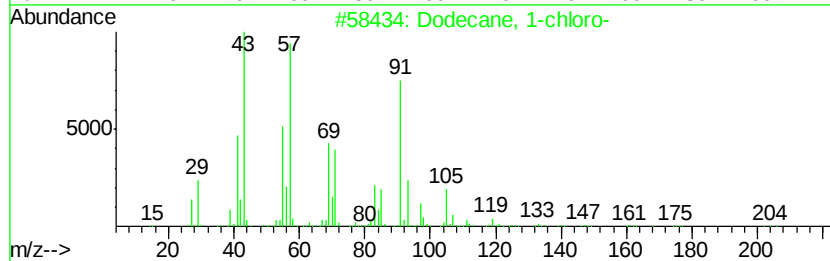
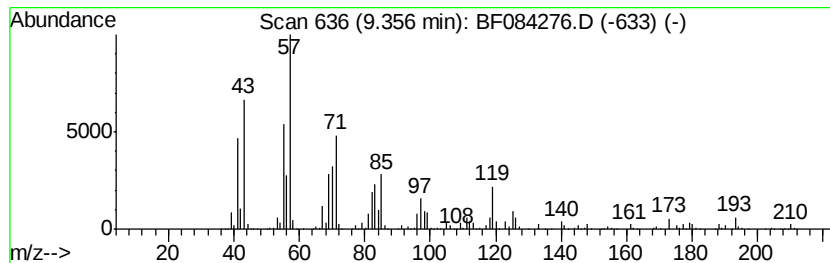
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Dodecane, 1-chloro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	24.34 ng	7329090	Acenaphthene-d10	9.95
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane, 1-chloro-	204 C12H25Cl	000112-52-7	76
2	Undecane	156 C11H24	001120-21-4	53
3	Heptane, 2,4-dimethyl-	128 C9H20	002213-23-2	46
4	Tetradecane, 1-iodo-	324 C14H29I	019218-94-1	38
5	1-Pentadecene	210 C15H30	013360-61-7	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084276.D
Acq On : 5 Jan 2016 10:07
Operator : UM/SJ
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PJ-SB-2(21.0-21.5)

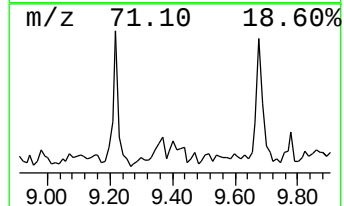
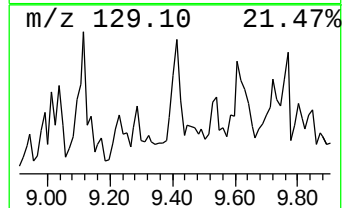
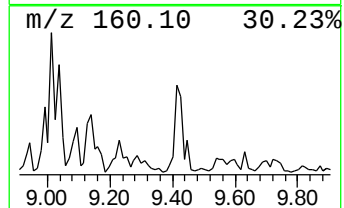
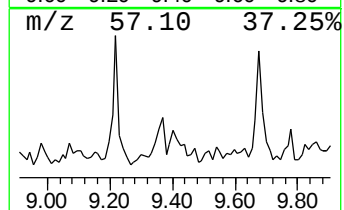
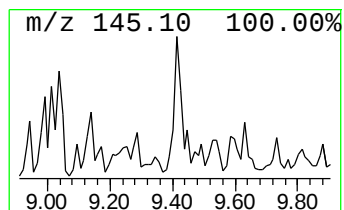
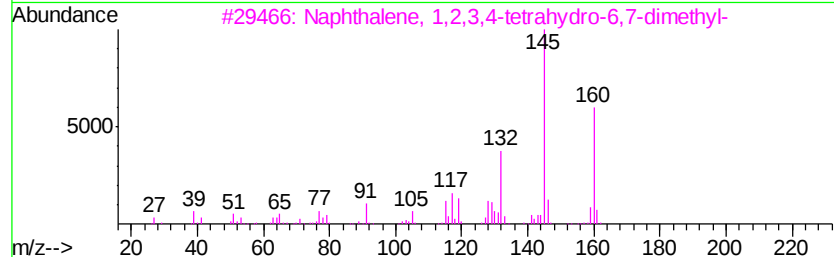
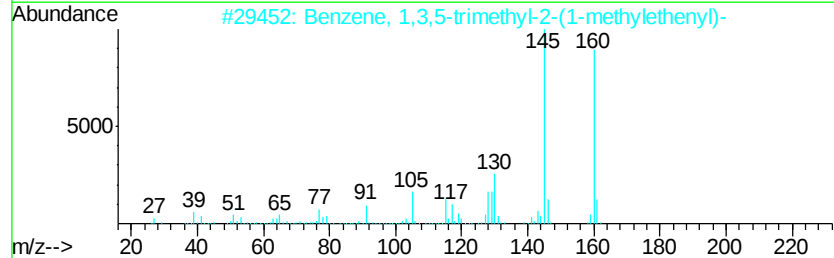
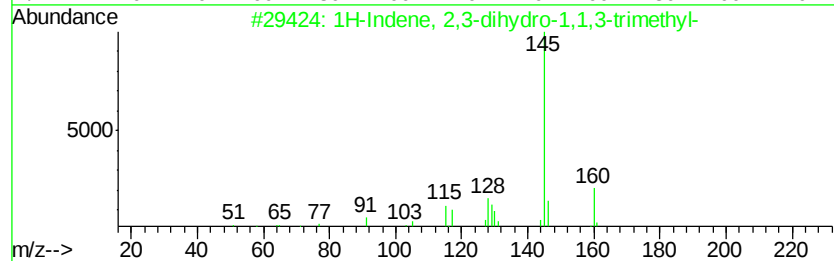
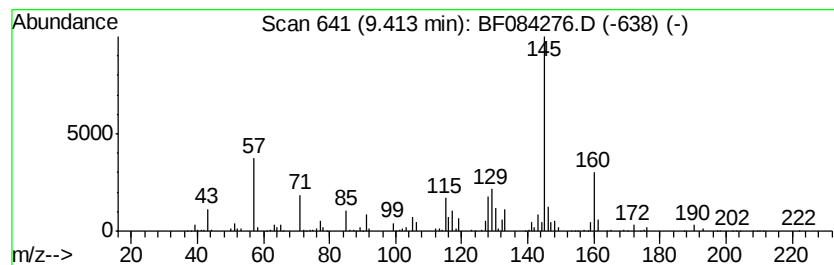
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	18.01 ng	5423190	Acenaphthene-d10	9.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	90
2		Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	81
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	81
4		Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	76
5		1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	74



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084276.D
Acq On : 5 Jan 2016 10:07
Operator : UM/SJ
Sample : G4949-03
Misc :
ALS Vial : 43 Sample Multiplier: 1

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ClientSampleId :
PJ-SB-2(21.0-21.5)

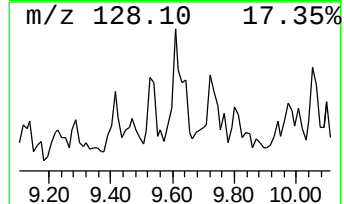
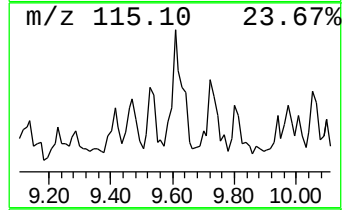
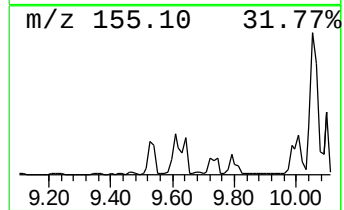
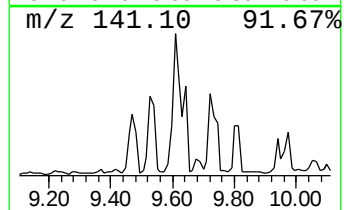
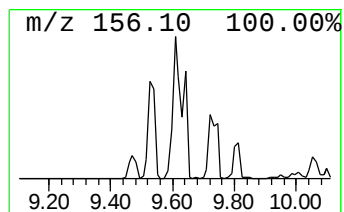
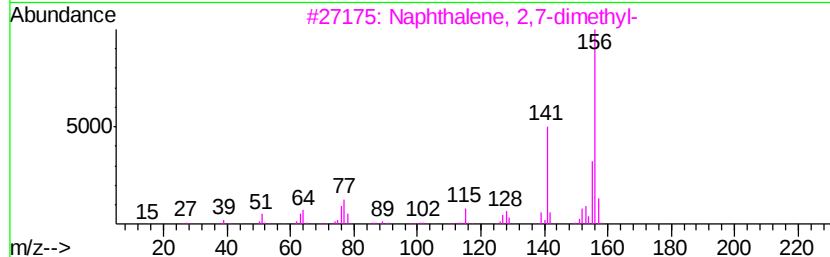
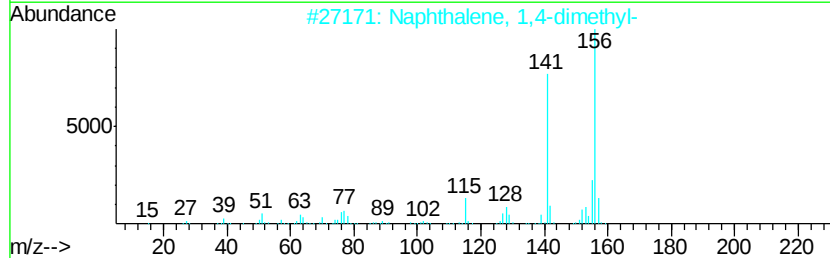
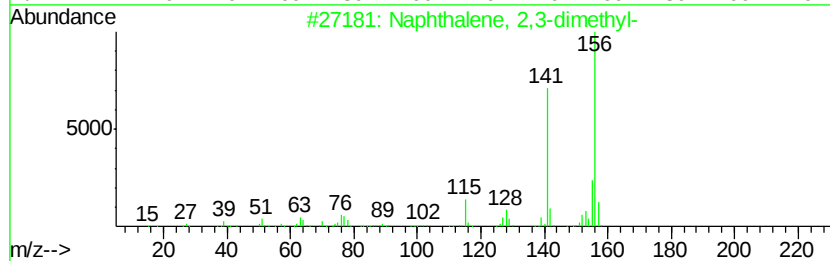
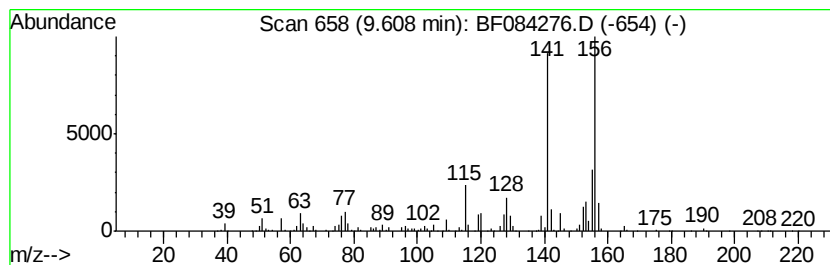
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	28.25 ng	8508370	Acenaphthene-d10	9.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084276.D
Acq On : 5 Jan 2016 10:07
Operator : UM/SJ
Sample : G4949-03
Misc :
ALS Vial : 43 Sample Multiplier: 1

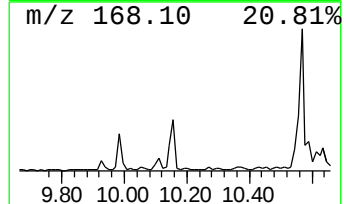
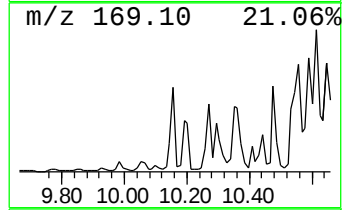
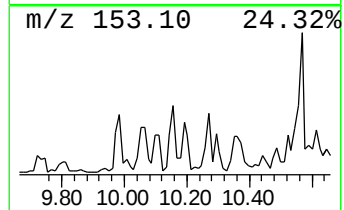
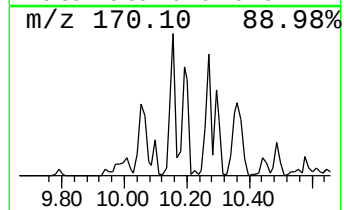
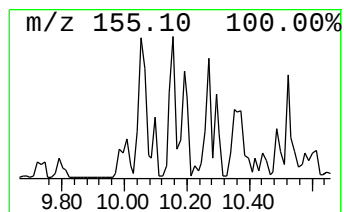
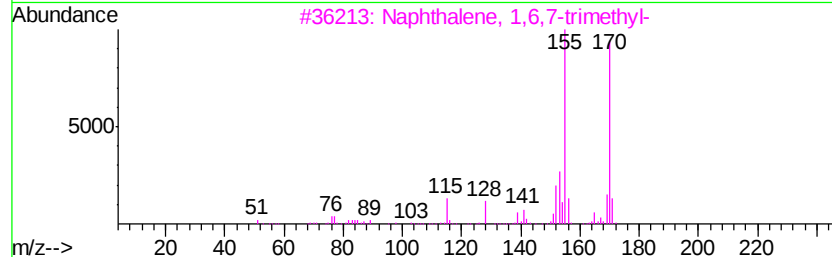
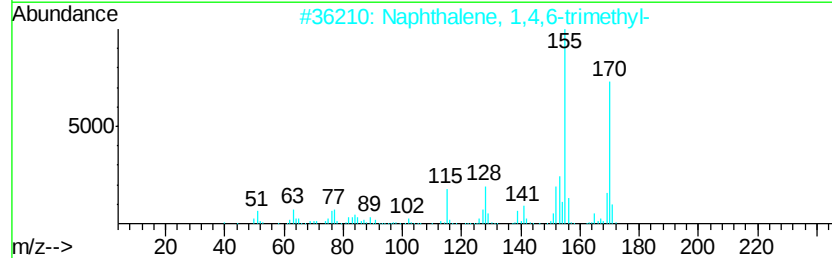
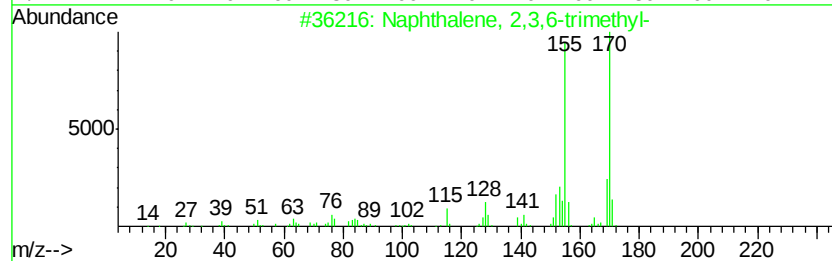
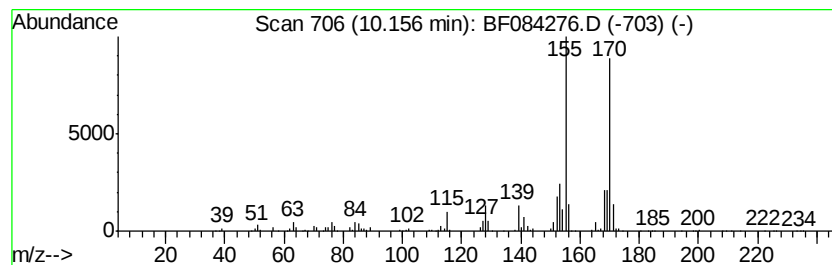
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PJ-SB-2(21.0-21.5)

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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, 2,3,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.16	21.50 ng	6475280	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	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
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Sample : G4949-03
Misc :
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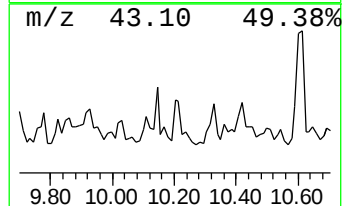
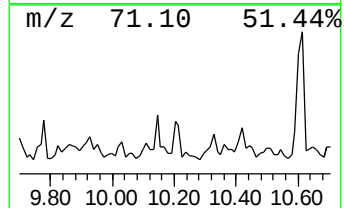
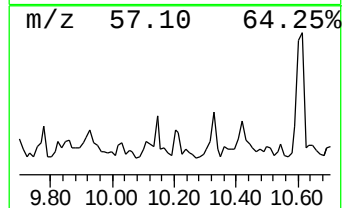
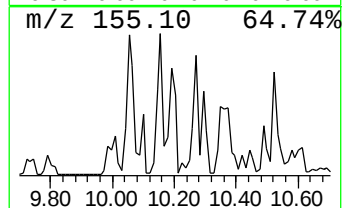
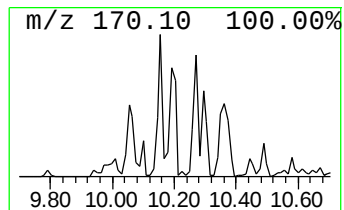
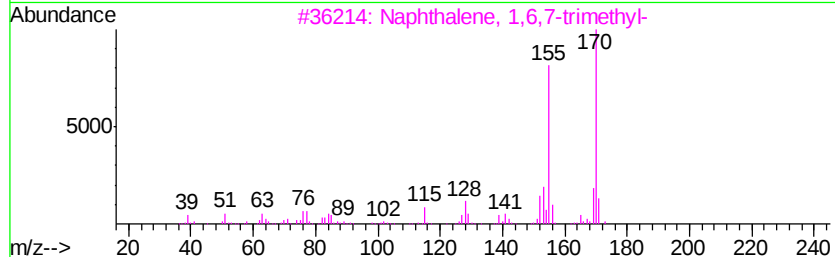
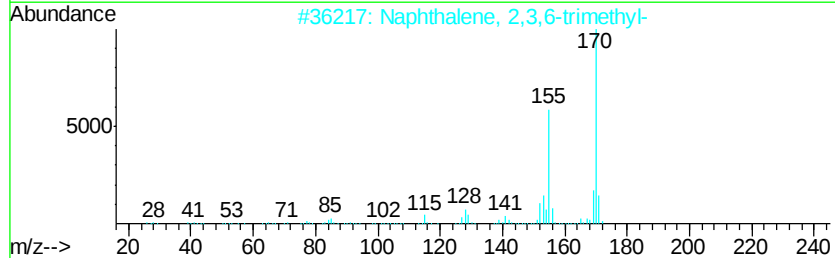
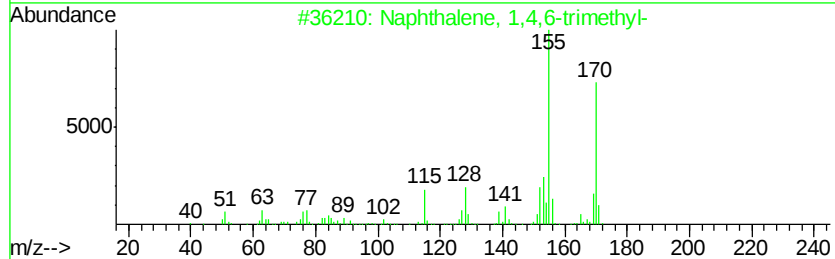
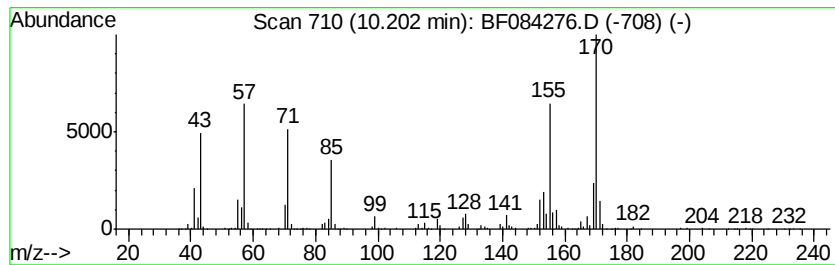
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ClientSampleId :
PJ-SB-2(21.0-21.5)

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 13 Naphthalene, 1,4,6-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.20	32.38 ng	9750980	Acenaphthene-d10	9.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	86
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	86
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	76
4	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	64
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084276.D
Acq On : 5 Jan 2016 10:07
Operator : UM/SJ
Sample : G4949-03
Misc :
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Instrument :
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ClientSampleId :
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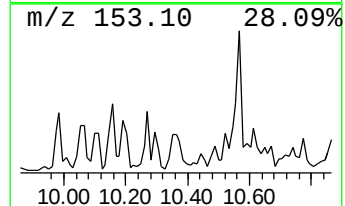
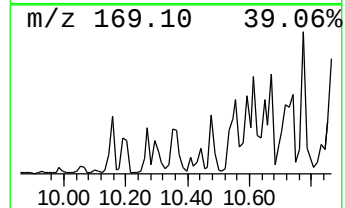
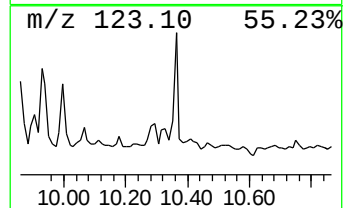
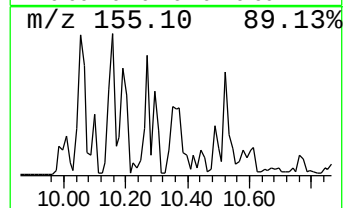
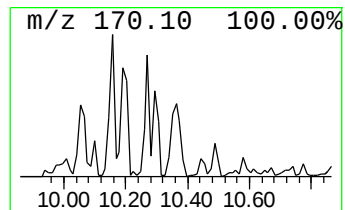
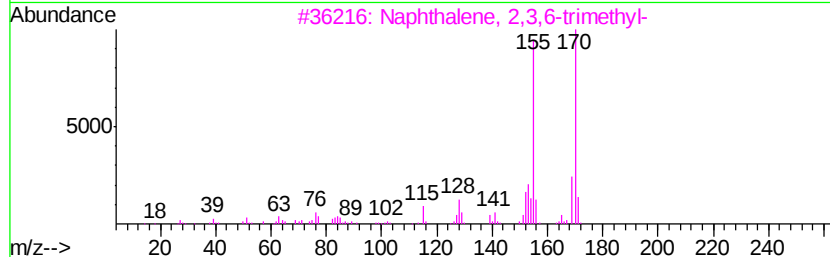
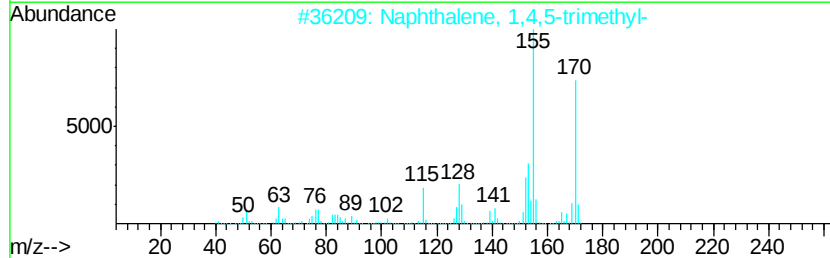
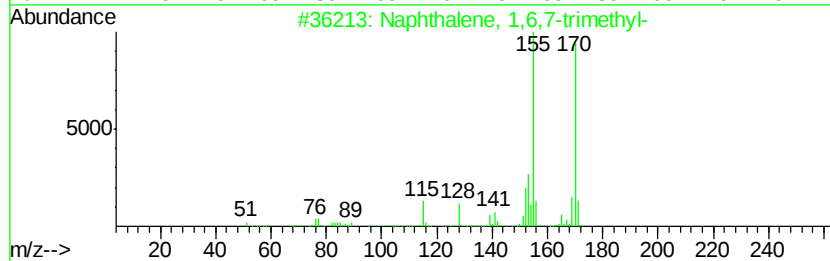
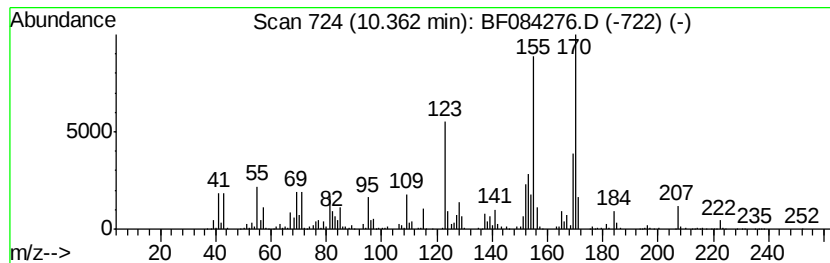
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 1,6,7-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	19.19 ng	5780240	Acenaphthene-d10	9.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
3		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
4		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	83
5		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	60



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
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Acq On : 5 Jan 2016 10:07
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Sample : G4949-03
Misc :
ALS Vial : 43 Sample Multiplier: 1

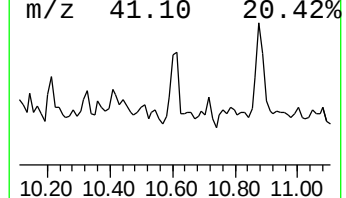
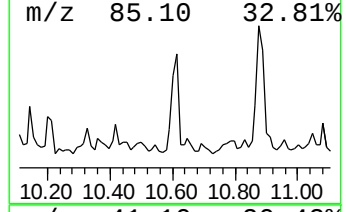
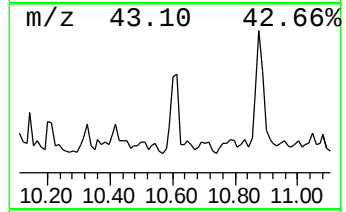
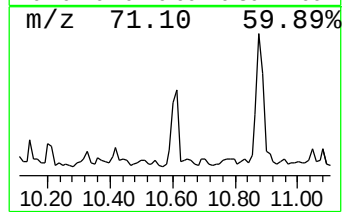
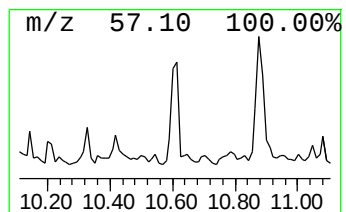
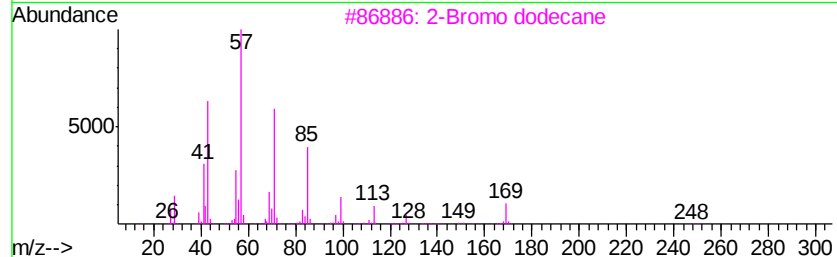
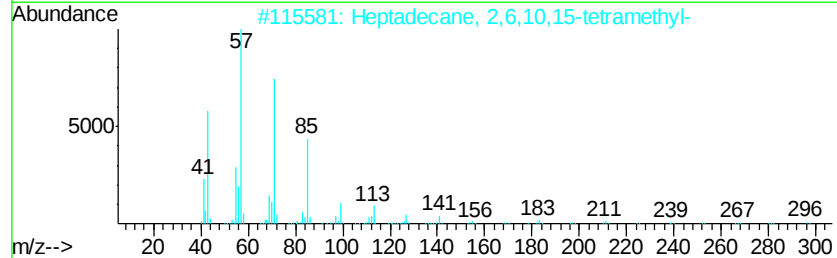
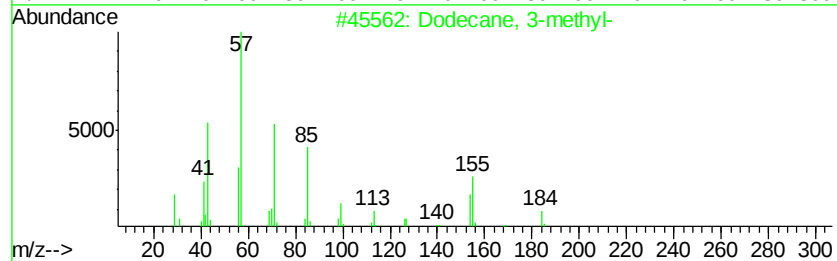
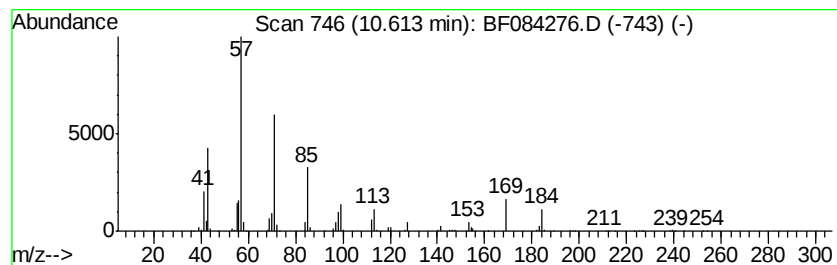
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Dodecane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.61	41.17 ng	12398600	Acenaphthene-d10	9.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 3-methyl-	184	C13H28	017312-57-1	80
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	64
4	Tridecane, 3-methyl-	198	C14H30	006418-41-3	60
5	Eicosane	282	C20H42	000112-95-8	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
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Sample : G4949-03
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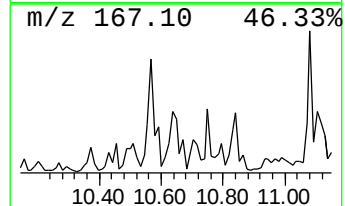
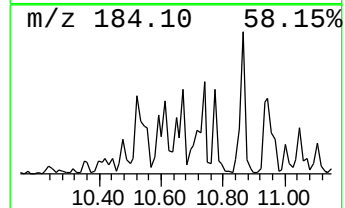
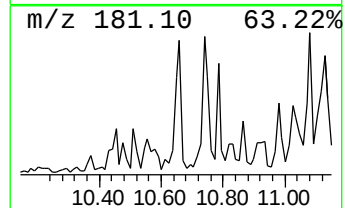
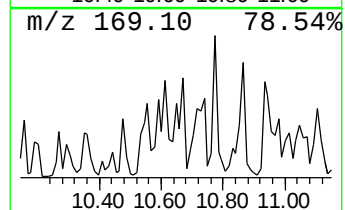
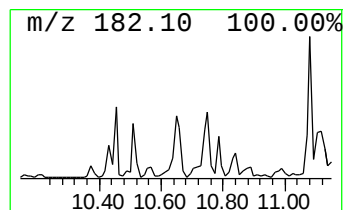
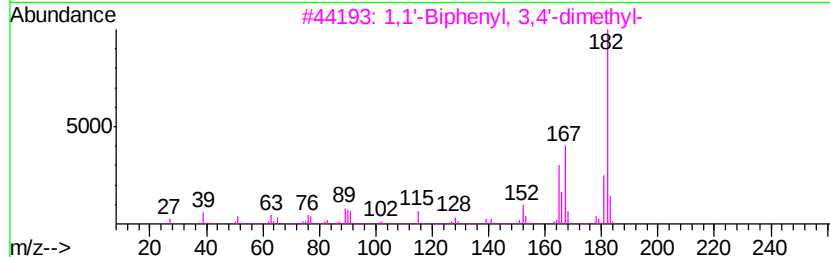
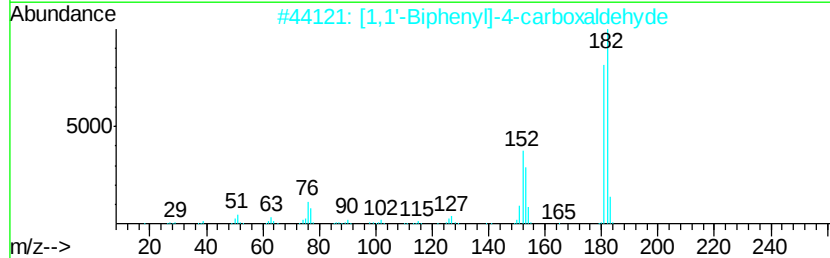
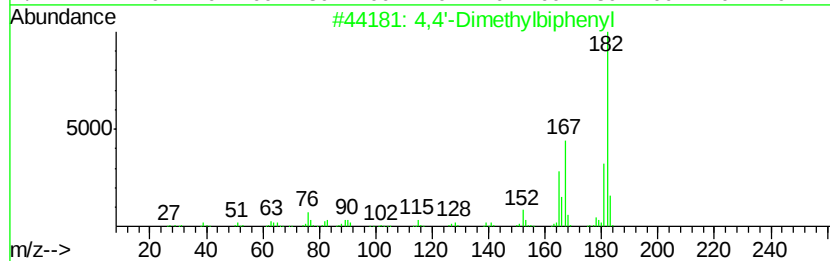
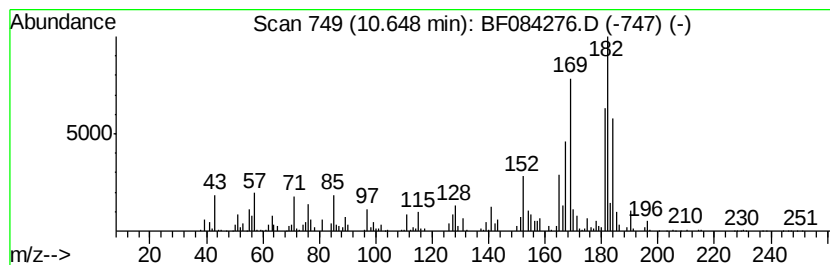
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 4,4'-Dimethylbiphenyl Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	19.09 ng	5749680	Acenaphthene-d10	9.95
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		4,4'-Dimethylbiphenyl	182 C14H14	000613-33-2 86
2		[1,1'-Biphenyl]-4-carboxaldehyde	182 C13H10O	003218-36-8 80
3		1,1'-Biphenyl, 3,4'-dimethyl-	182 C14H14	007383-90-6 46
4		Azulene, 7-ethyl-1,4-dimethyl-	184 C14H16	000529-05-5 42
5		Naphthalene, 1,2,3,4-tetramethyl-	184 C14H16	003031-15-0 42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
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Acq On : 5 Jan 2016 10:07
Operator : UM/SJ
Sample : G4949-03
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ALS Vial : 43 Sample Multiplier: 1

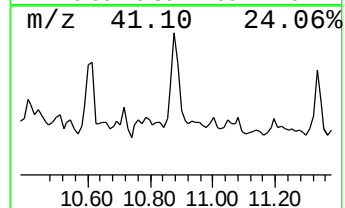
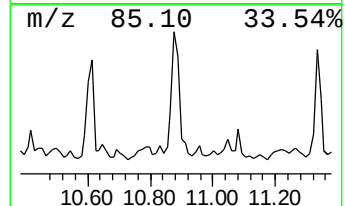
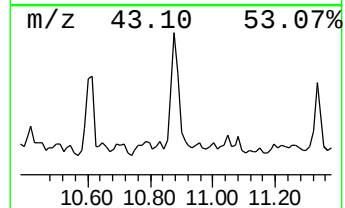
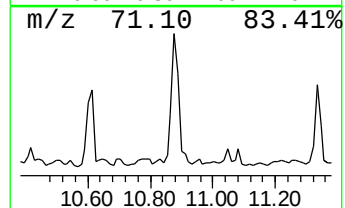
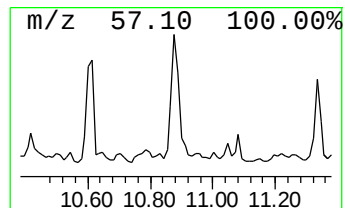
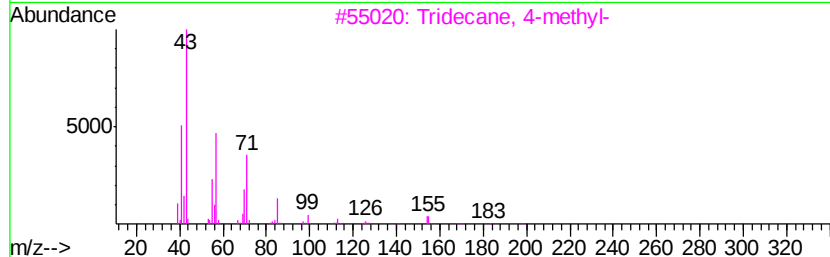
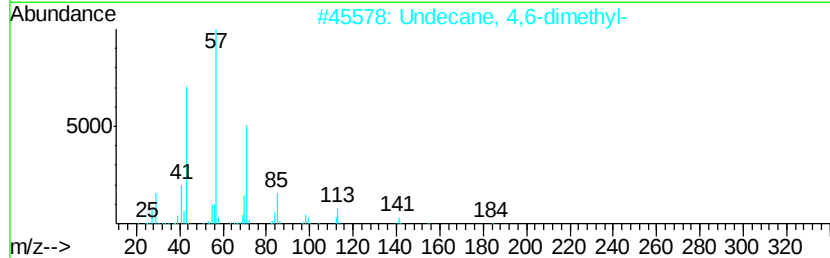
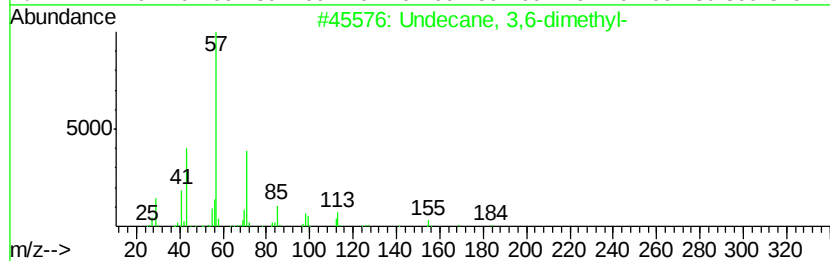
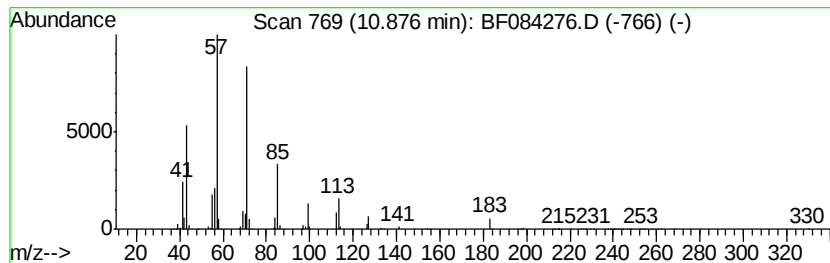
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Undecane, 3,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.88	54.10 ng	16626100	Phenanthrene-d10	11.44	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	87
2	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	87
3	Tridecane, 4-methyl-	198	C14H30	026730-12-1	80
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	80
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
Data File : BF084276.D
Acq On : 5 Jan 2016 10:07
Operator : UM/SJ
Sample : G4949-03
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PJ-SB-2(21.0-21.5)

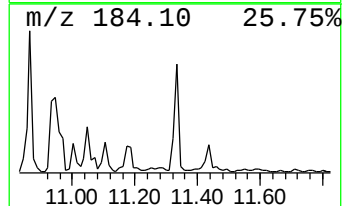
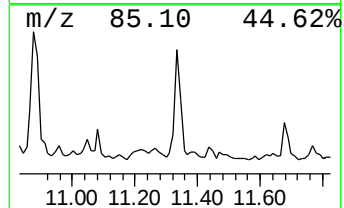
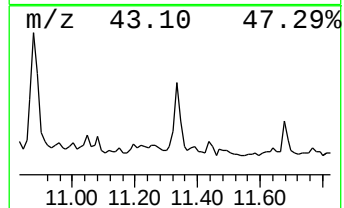
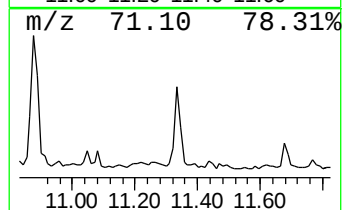
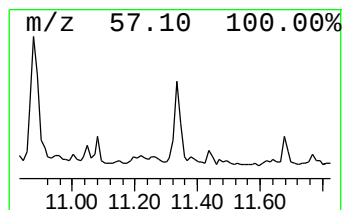
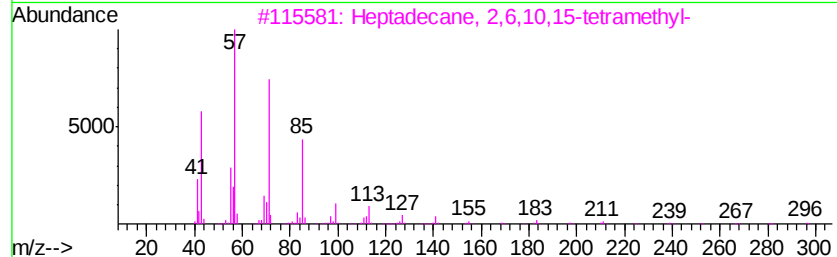
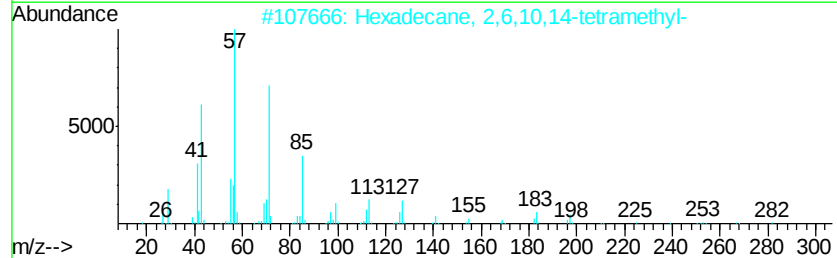
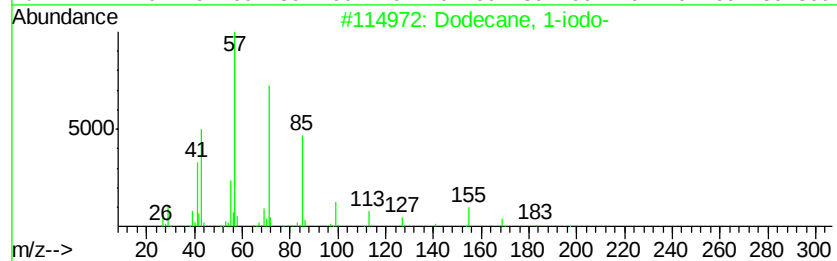
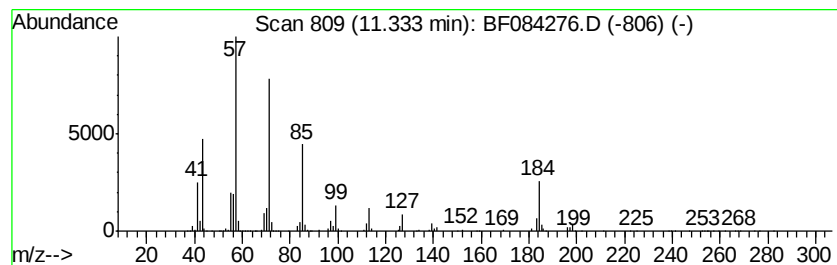
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Dodecane, 1-iodo- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	38.18 ng	11733100	Phenanthrene-d10	11.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
2		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
4		Tetradecane	198	C14H30	000629-59-4	72
5		Pentadecane	212	C15H32	000629-62-9	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
Data File : BF084276.D
Acq On : 5 Jan 2016 10:07
Operator : UM/SJ
Sample : G4949-03
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PJ-SB-2(21.0-21.5)

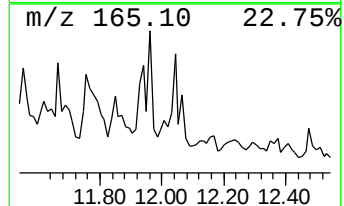
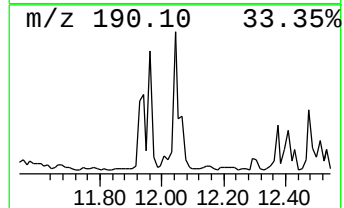
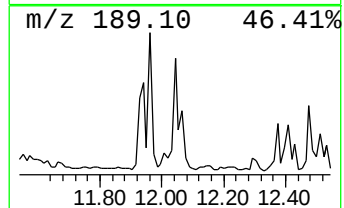
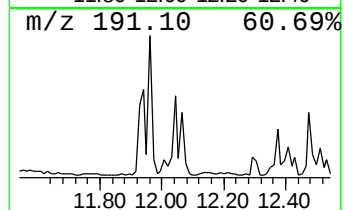
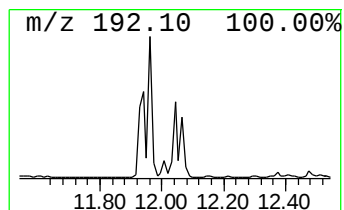
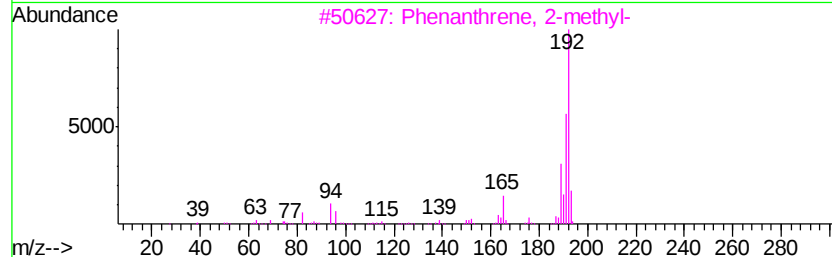
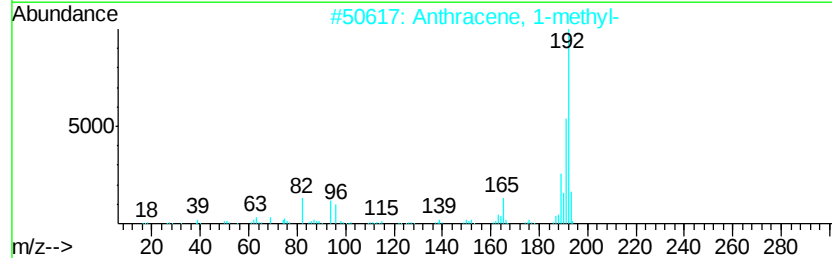
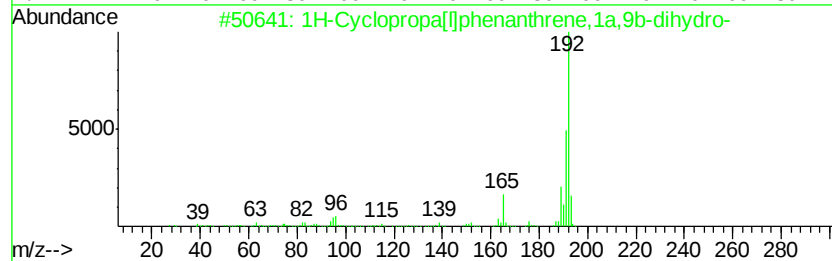
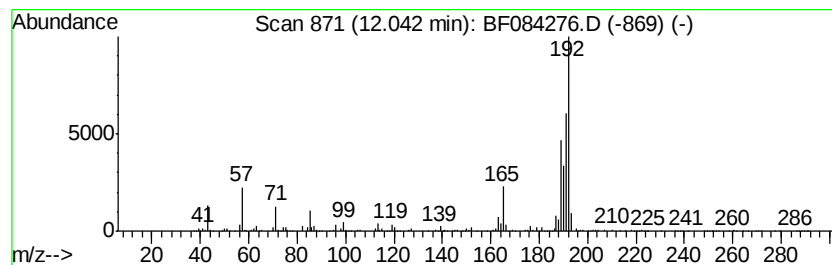
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 1H-Cyclopropa[l]phenanthren... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	18.54 ng	5697600	Phenanthrene-d10	11.44

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	58
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	53
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	52
4			5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	52
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
 Data File : BF084276.D
 Acq On : 5 Jan 2016 10:07
 Operator : UM/SJ
 Sample : G4949-03
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-2(21.0-21.5)

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
Octane, 2,4,6-tri...	7.61	20.4	ng	5349490	2	8.18	5244750	20.0
trans-Decalin, 2-...	7.70	21.5	ng	5626350	2	8.18	5244750	20.0
Cyclohexane, pentyl-	7.80	19.7	ng	5172380	2	8.18	5244750	20.0
Undecane, 2,6-dim...	8.26	59.3	ng	15553600	2	8.18	5244750	20.0
2-Octenal, (E)-	8.48	22.4	ng	5878340	2	8.18	5244750	20.0
Decane, 2,6,7-tri...	8.61	48.3	ng	12666500	2	8.18	5244750	20.0
Heptylcyclohexane	9.10	20.0	ng	6028060	3	9.95	6022780	20.0
Dodecane, 1-chloro-	9.36	24.3	ng	7329090	3	9.95	6022780	20.0
1H-Indene, 2,3-di...	9.41	18.0	ng	5423190	3	9.95	6022780	20.0
Naphthalene, 2,3-...	9.61	28.3	ng	8508370	3	9.95	6022780	20.0
Naphthalene, 2,3,...	10.16	21.5	ng	6475280	3	9.95	6022780	20.0
Naphthalene, 1,4,...	10.20	32.4	ng	9750980	3	9.95	6022780	20.0
Naphthalene, 1,6,...	10.36	19.2	ng	5780240	3	9.95	6022780	20.0
Dodecane, 3-methyl-	10.61	41.2	ng	12398600	3	9.95	6022780	20.0
4,4'-Dimethylbiph...	10.65	19.1	ng	5749680	3	9.95	6022780	20.0
Undecane, 3,6-dim...	10.88	54.1	ng	16626100	4	11.44	6146360	20.0
Dodecane, 1-iodo-	11.33	38.2	ng	11733100	4	11.44	6146360	20.0
1H-Cyclopropa[l]p...	12.04	18.5	ng	5697600	4	11.44	6146360	20.0