

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
 Data File : BF084273.D
 Acq On : 5 Jan 2016 8:43
 Operator : UM/SJ
 Sample : G4949-02
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-1(20.0-20.5)

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	5.093	260	263	270	rVB	1813862	2597071	26.96%	1.071%
2	5.516	297	300	302	rVB	7638861	8864555	92.03%	3.655%
3	6.041	343	346	348	rVB2	170009	247286	2.57%	0.102%
4	6.133	352	354	357	rVB	496482	536878	5.57%	0.221%
5	6.327	368	371	372	rBV	249749	318250	3.30%	0.131%
6	6.419	377	379	383	rVB2	319439	404886	4.20%	0.167%
7	6.544	386	390	392	rBV	6328891	9431813	97.92%	3.889%
8	6.624	395	397	398	rBV	232431	340283	3.53%	0.140%
9	6.670	398	401	403	rVB	6324406	8874952	92.14%	3.660%
10	6.750	404	408	409	rBV3	156753	314723	3.27%	0.130%
11	6.853	409	417	418	rBV5	212128	705710	7.33%	0.291%
12	6.887	418	420	424	rVB2	2091145	2814815	29.22%	1.161%
13	6.956	424	426	427	rVB	228942	308913	3.21%	0.127%
14	7.013	427	431	432	rBV3	268441	630260	6.54%	0.260%
15	7.047	432	434	437	rVB	6667191	6934943	72.00%	2.860%
16	7.127	439	441	443	rBV2	171305	420229	4.36%	0.173%
17	7.173	443	445	446	rVB	587578	772842	8.02%	0.319%
18	7.196	446	447	449	rBV2	274512	340458	3.53%	0.140%
19	7.287	452	455	456	rBV	565162	656217	6.81%	0.271%
20	7.322	456	458	460	rVB2	171281	275176	2.86%	0.113%
21	7.459	464	470	472	rBV	5336639	7552003	78.41%	3.114%
22	7.539	474	477	479	rVB2	722738	1084936	11.26%	0.447%
23	7.607	479	483	484	rBV2	616057	1328884	13.80%	0.548%
24	7.699	487	491	493	rVB3	843950	1594183	16.55%	0.657%
25	7.813	495	501	503	rBV5	897259	2496259	25.92%	1.029%
26	7.859	503	505	507	rBV2	651438	772676	8.02%	0.319%
27	7.916	509	510	511	rBV	493020	399886	4.15%	0.165%
28	7.996	515	517	519	rBV2	619912	912492	9.47%	0.376%
29	8.053	519	522	524	rBV2	387114	813493	8.45%	0.335%
30	8.133	526	529	530	rBV3	700217	1388509	14.42%	0.573%
31	8.179	530	533	534	rBV2	2462461	2988357	31.03%	1.232%
32	8.247	536	539	540	rVB2	2447659	3586154	37.23%	1.479%
33	8.270	540	541	545	rVB3	1012440	1563084	16.23%	0.645%
34	8.339	545	547	548	rBV	560658	823284	8.55%	0.339%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
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35	8.385	548	551	552	rVB3	874983	1178650	12.24%	0.486%
36	8.419	552	554	555	rBV2	263341	472159	4.90%	0.195%
37	8.476	555	559	560	rBV5	1244119	2254499	23.41%	0.930%
38	8.567	565	567	568	rVB	1048478	1095013	11.37%	0.452%
39	8.602	568	570	573	rBV	3048105	4882768	50.69%	2.013%
40	8.682	575	577	579	rBV2	798423	1245572	12.93%	0.514%
41	8.727	579	581	583	rBV2	510014	943059	9.79%	0.389%
42	8.773	583	585	587	rBV2	656125	1195549	12.41%	0.493%
43	8.865	592	593	597	rVV2	1541126	2475643	25.70%	1.021%
44	8.933	597	599	600	rVV2	575957	624526	6.48%	0.258%
45	8.990	600	604	609	rVV6	1439952	4908284	50.96%	2.024%
46	9.093	609	613	614	rVV3	1491342	2886342	29.97%	1.190%
47	9.127	614	616	617	rVV	683553	1042937	10.83%	0.430%
48	9.207	621	623	625	rVV	5120526	5661445	58.78%	2.335%
49	9.265	625	628	630	rVV	6190247	9632033	100.00%	3.972%
50	9.299	630	631	632	rVV	495134	465383	4.83%	0.192%
51	9.345	632	635	637	rVV3	1687436	3635170	37.74%	1.499%
52	9.402	637	640	643	rVV3	1528279	4514754	46.87%	1.862%
53	9.459	643	645	647	rVV3	1348255	2232782	23.18%	0.921%
54	9.527	648	651	652	rVV2	2328628	3817981	39.64%	1.574%
55	9.596	653	657	658	rVV2	3190370	4984796	51.75%	2.055%
56	9.665	660	663	664	rVV3	6488523	9231970	95.85%	3.807%
57	9.710	664	667	669	rVV3	1695044	3743266	38.86%	1.544%
58	9.802	673	675	677	rVV2	1271565	2380514	24.71%	0.982%
59	9.848	677	679	680	rVV2	1914073	2255798	23.42%	0.930%
60	9.882	680	682	683	rVV2	749975	1138756	11.82%	0.470%
61	9.939	683	687	688	rVV2	2826207	5598469	58.12%	2.309%
62	9.973	688	690	691	rVV2	1540025	2144256	22.26%	0.884%
63	10.042	694	696	698	rVV	2234914	2858585	29.68%	1.179%
64	10.088	698	700	702	rVV3	826930	1700009	17.65%	0.701%
65	10.133	702	704	706	rVV2	2738798	4009785	41.63%	1.653%
66	10.179	706	708	713	rVB4	2311536	4382466	45.50%	1.807%
67	10.259	713	715	716	rBV	1663924	2447778	25.41%	1.009%
68	10.305	718	719	721	rVV2	944406	1514821	15.73%	0.625%
69	10.362	721	724	725	rVV2	1422413	2845917	29.55%	1.174%
70	10.396	725	727	728	rVV	960853	1307955	13.58%	0.539%
71	10.430	728	730	732	rVV3	1025095	1510700	15.68%	0.623%

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72	10.476	732	734	735	rVV2	1292571	1636106	16.99%	0.675%
73	10.545	738	740	741	rVV2	1013465	1570295	16.30%	0.648%
74	10.590	742	744	746	rVV	5177423	5753227	59.73%	2.372%
75	10.636	746	748	751	rVB2	1192190	1893545	19.66%	0.781%
76	10.728	752	756	758	rVV3	4253796	5267616	54.69%	2.172%
77	10.762	758	759	762	rVB2	845395	1085921	11.27%	0.448%
78	10.819	762	764	765	rBV2	479340	697123	7.24%	0.287%
79	10.853	765	767	770	rBV	5140943	8001220	83.07%	3.299%
80	10.922	771	773	774	rBV2	769950	820040	8.51%	0.338%
81	11.025	780	782	784	rBV3	576737	952379	9.89%	0.393%
82	11.059	784	785	788	rVB2	1522020	1879046	19.51%	0.775%
83	11.185	793	796	799	rBV4	887356	1562993	16.23%	0.645%
84	11.322	805	808	811	rVB	4482230	5399730	56.06%	2.227%
85	11.425	814	817	820	rBV2	2147390	3212673	33.35%	1.325%
86	11.528	824	826	828	rBV2	455851	804553	8.35%	0.332%
87	11.665	836	838	842	rVB3	1171417	2013295	20.90%	0.830%
88	11.745	843	845	851	rVB4	689723	1587334	16.48%	0.655%
89	11.916	859	860	862	rBV	523230	836484	8.68%	0.345%
90	11.951	862	863	865	rVB	871699	658126	6.83%	0.271%
91	12.031	868	870	874	rVB2	881336	1670401	17.34%	0.689%
92	12.156	879	881	882	rVB2	293594	331884	3.45%	0.137%
93	12.362	897	899	900	rVB	372895	384173	3.99%	0.158%
94	12.396	900	902	905	rVB2	710285	1138427	11.82%	0.469%
95	12.465	907	908	910	rVV	671080	720783	7.48%	0.297%
96	12.556	914	916	917	rVB	204815	246012	2.55%	0.101%
97	13.002	953	955	958	rVB	6051461	6662047	69.17%	2.747%
98	13.905	1031	1034	1039	rVB	137509	236856	2.46%	0.098%
99	14.054	1044	1047	1049	rBV	1436795	1724050	17.90%	0.711%
100	15.494	1170	1173	1175	rBV	1070712	1449215	15.05%	0.598%

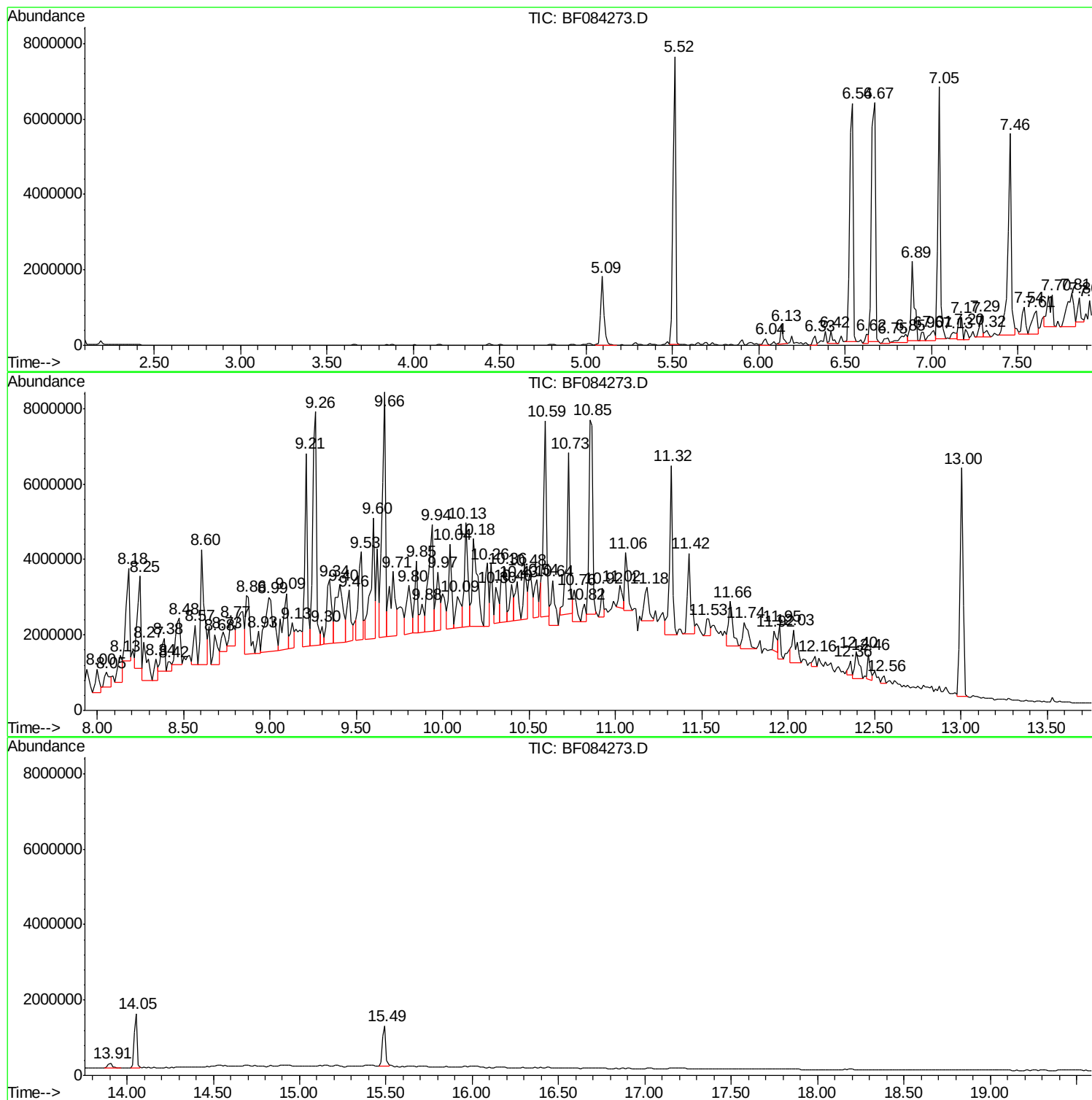
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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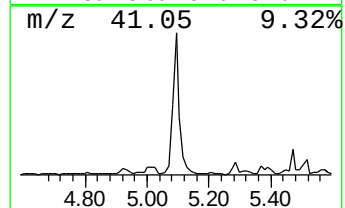
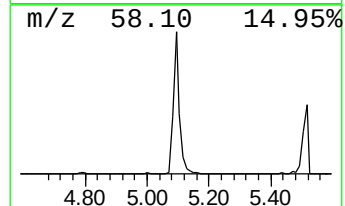
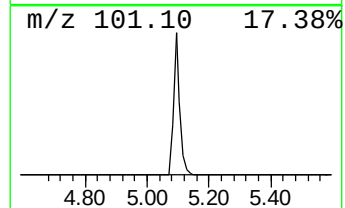
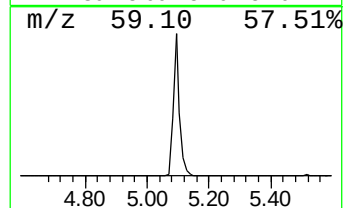
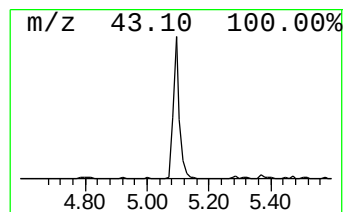
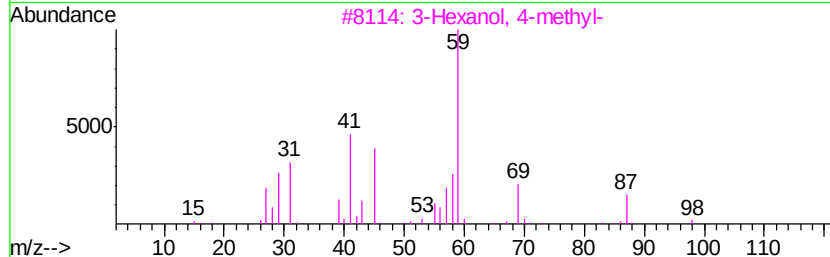
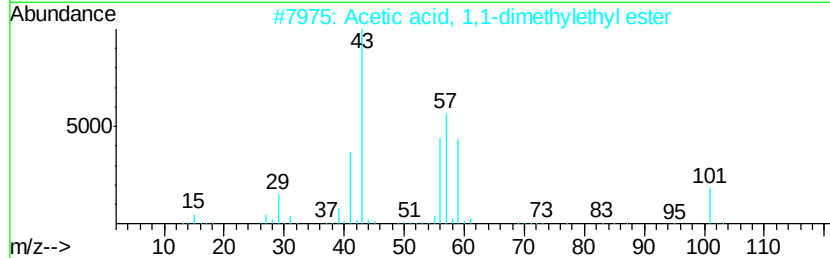
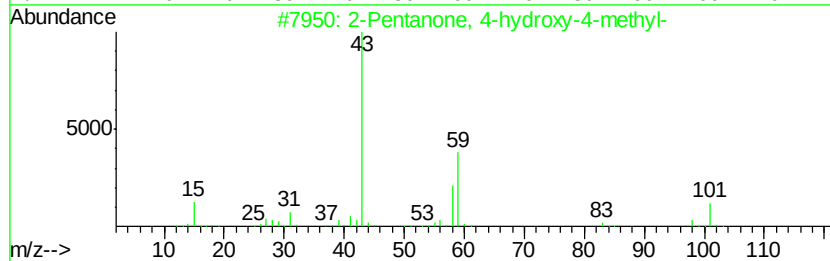
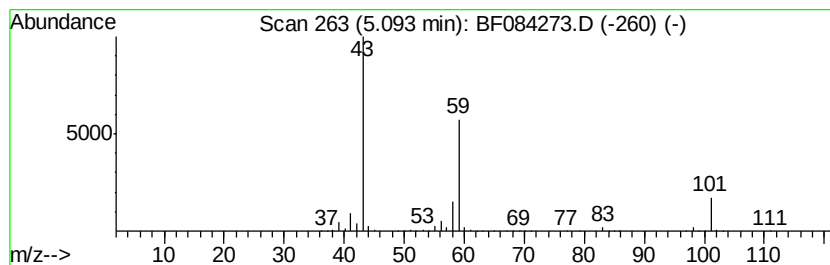
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
5.09	18.45 ng	2597070	1,4-Dichlorobenzene-d4	6.89		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59	
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39	
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33	
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33	
5	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33	



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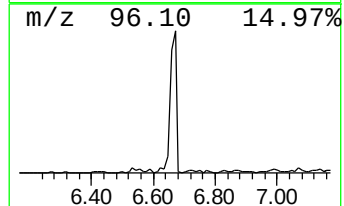
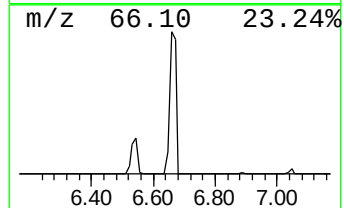
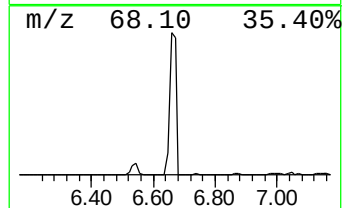
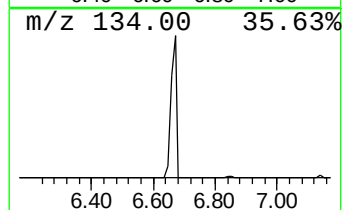
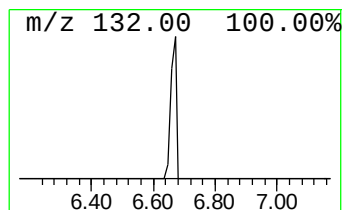
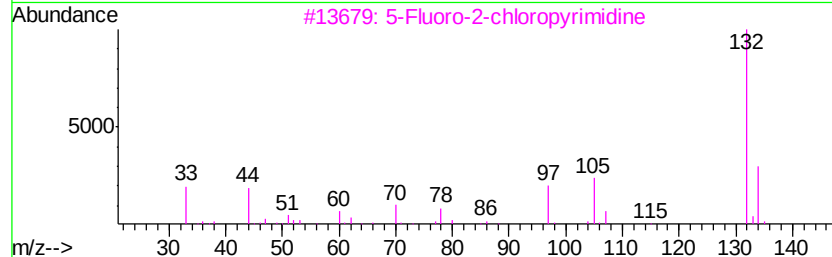
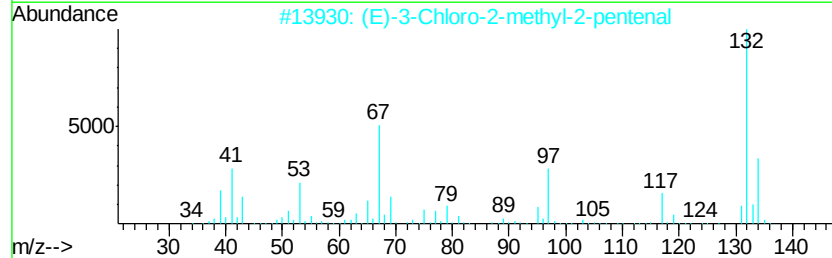
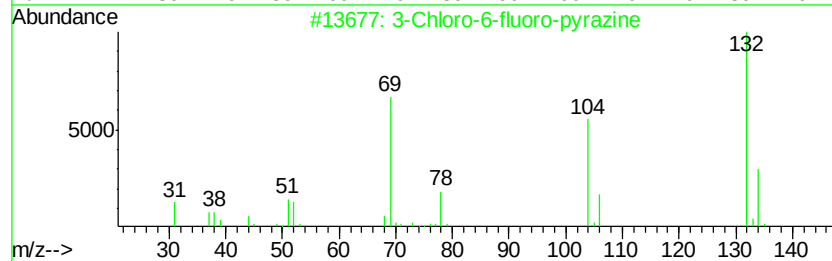
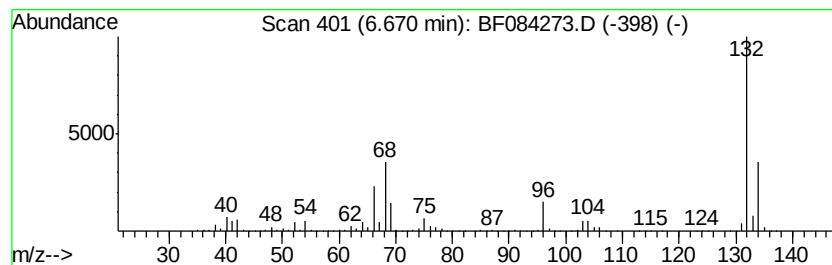
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.67 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	63.06 ng	8874950	1,4-Dichlorobenzene-d4	6.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4		2H-Cyclopentadipyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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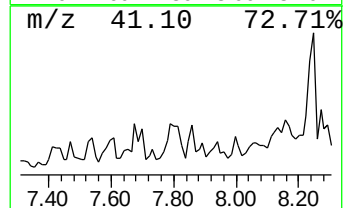
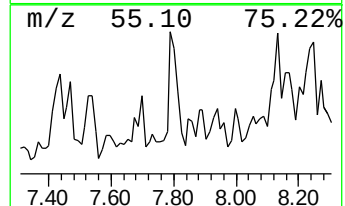
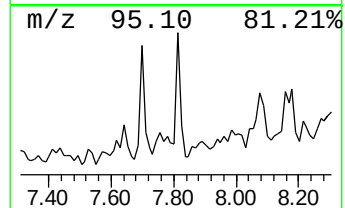
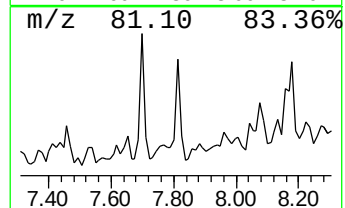
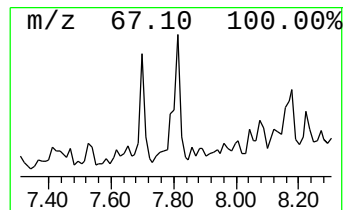
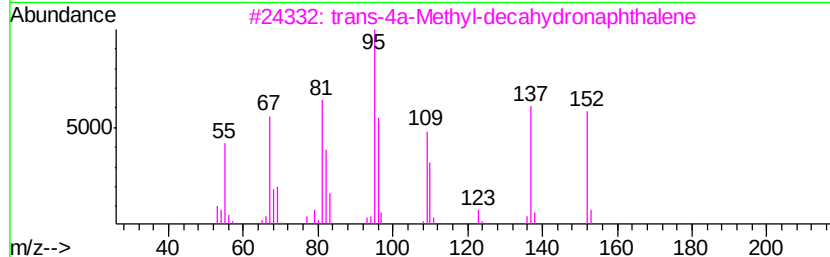
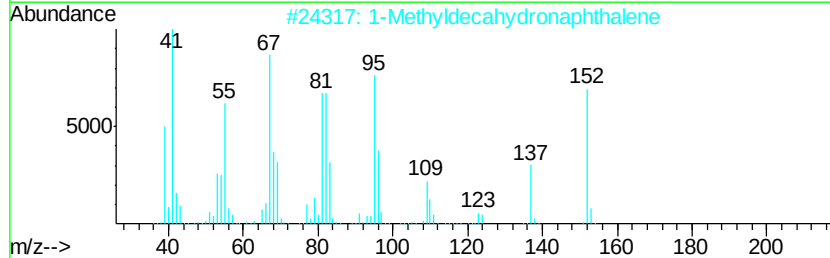
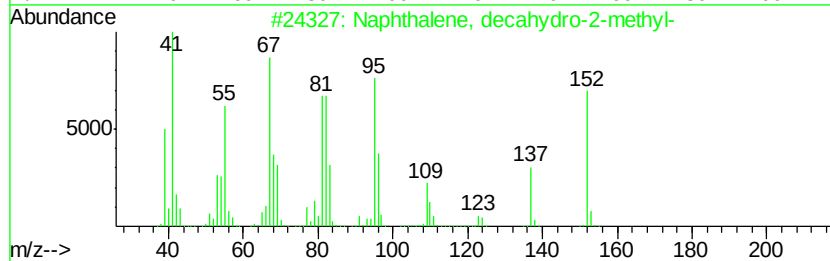
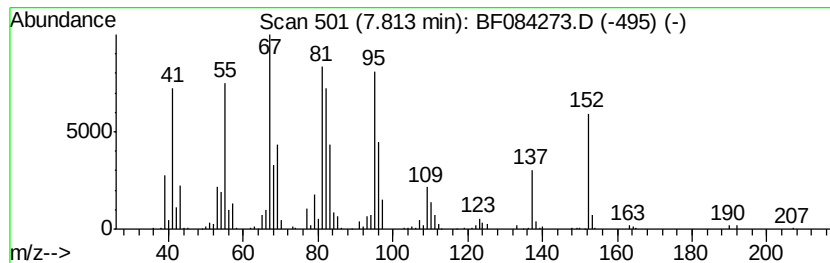
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, decahydro-2-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.81	16.71 ng	2496260	Naphthalene-d8	8.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2		1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	96
3		trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	86
4		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004795-86-2	68
5		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
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Acq On : 5 Jan 2016 8:43
Operator : UM/SJ
Sample : G4949-02
Misc :
ALS Vial : 40 Sample Multiplier: 1

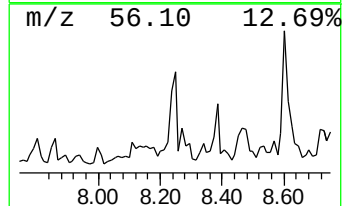
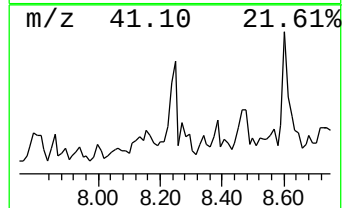
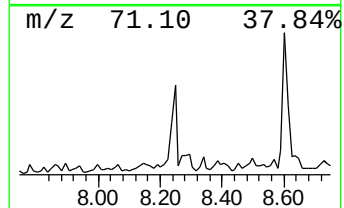
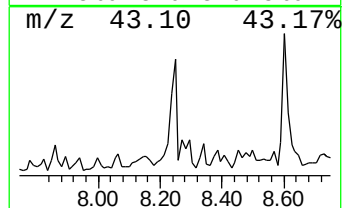
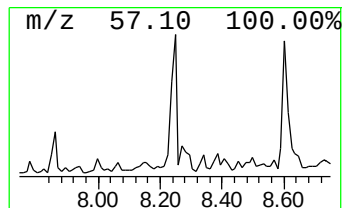
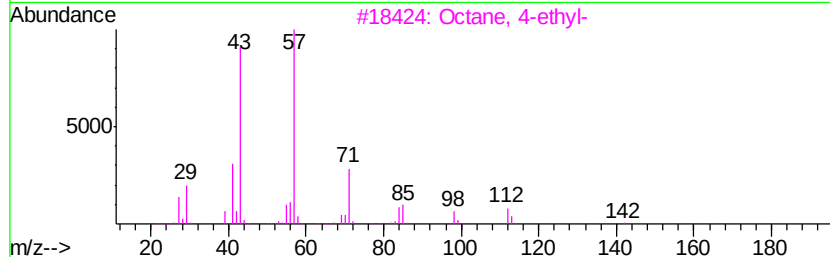
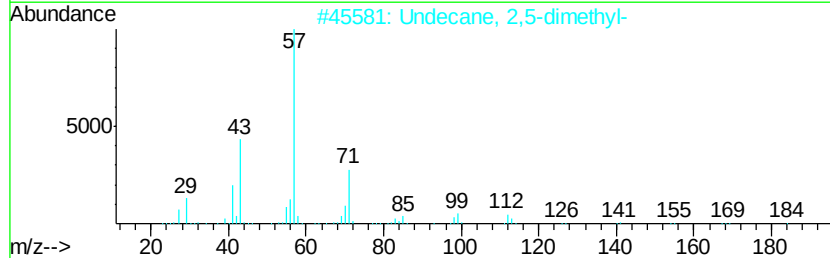
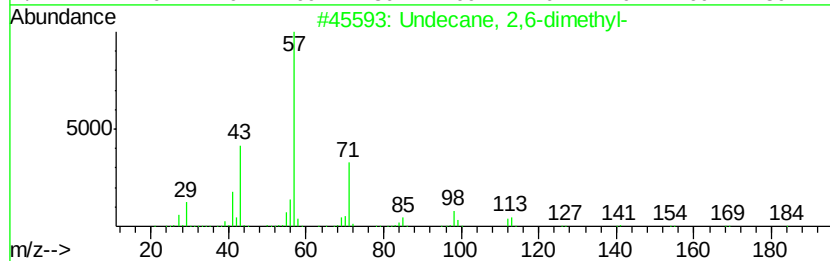
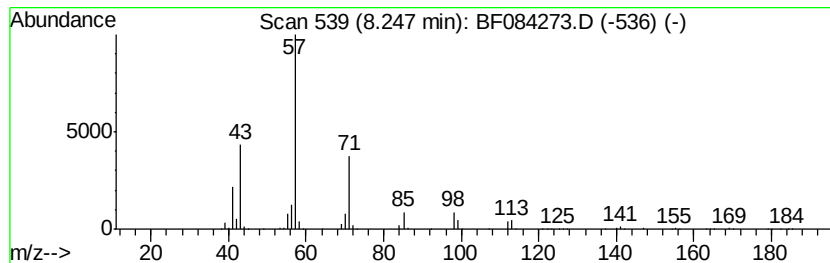
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ClientSampleId :
PJ-SB-1(20.0-20.5)

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 5 Undecane, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.25	24.00 ng	3586150	Naphthalene-d8	8.18		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-		184	C13H28	017301-23-4	94
2	Undecane, 2,5-dimethyl-		184	C13H28	017301-22-3	74
3	Octane, 4-ethyl-		142	C10H22	015869-86-0	72
4	Undecane, 5-ethyl-		184	C13H28	017453-94-0	59
5	Undecane, 3,6-dimethyl-		184	C13H28	017301-28-9	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
Data File : BF084273.D
Acq On : 5 Jan 2016 8:43
Operator : UM/SJ
Sample : G4949-02
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PJ-SB-1(20.0-20.5)

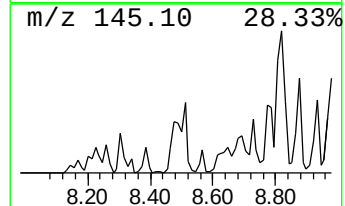
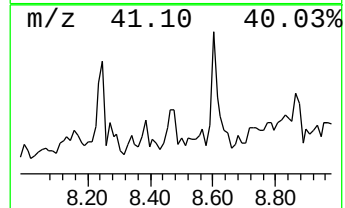
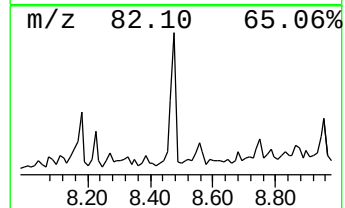
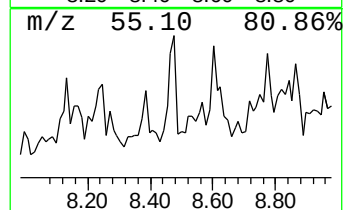
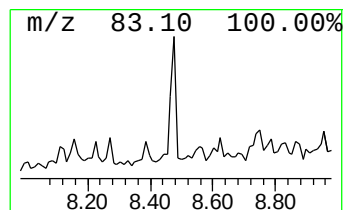
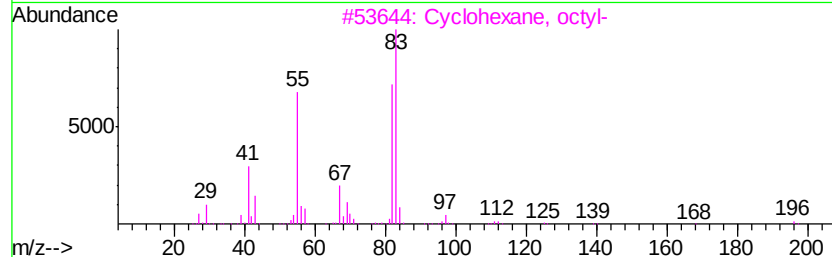
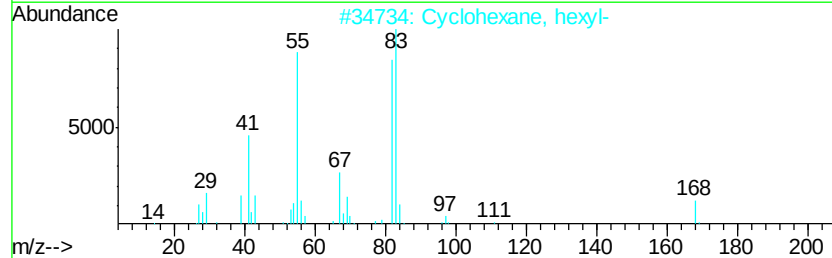
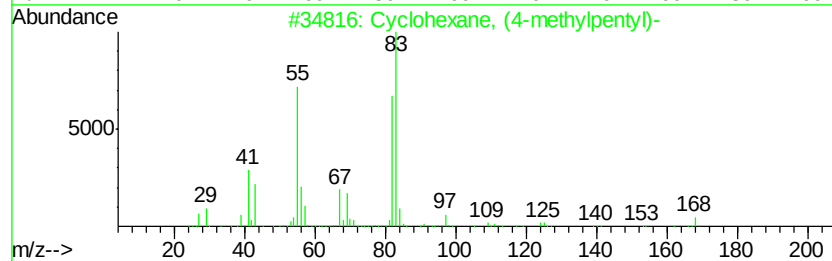
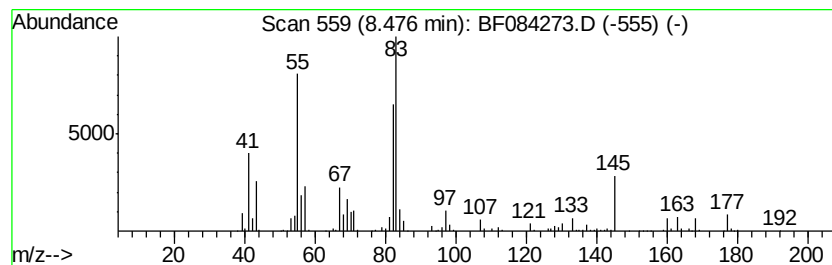
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Cyclohexane, (4-methylpentyl)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	15.09 ng	2254500	Napthalene-d8	8.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	87
2		Cyclohexane, hexyl-	168	C12H24	004292-75-5	64
3		Cyclohexane, octyl-	196	C14H28	001795-15-9	64
4		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	64
5		Cyclohexane, tetradecyl-	280	C20H40	001795-18-2	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084273.D
Acq On : 5 Jan 2016 8:43
Operator : UM/SJ
Sample : G4949-02
Misc :
ALS Vial : 40 Sample Multiplier: 1

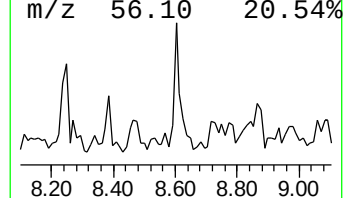
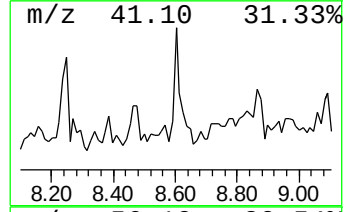
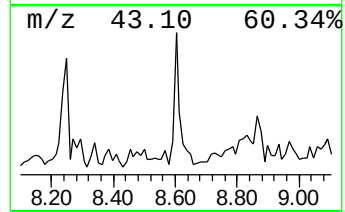
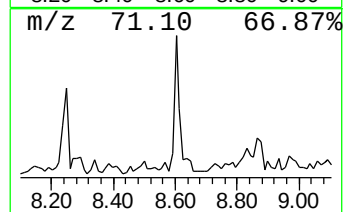
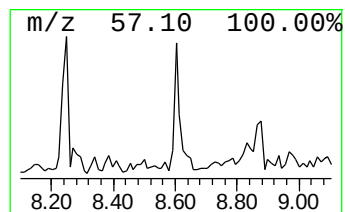
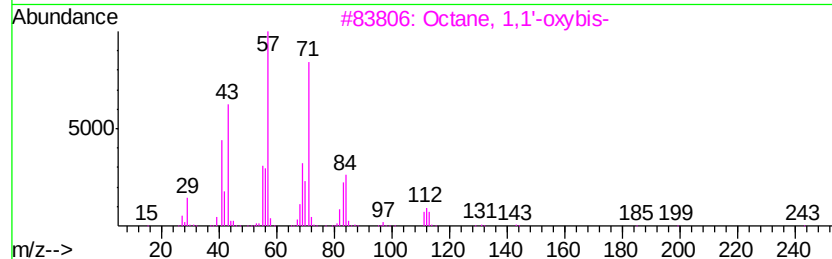
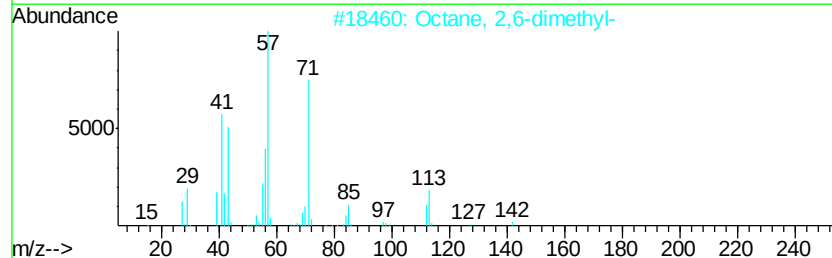
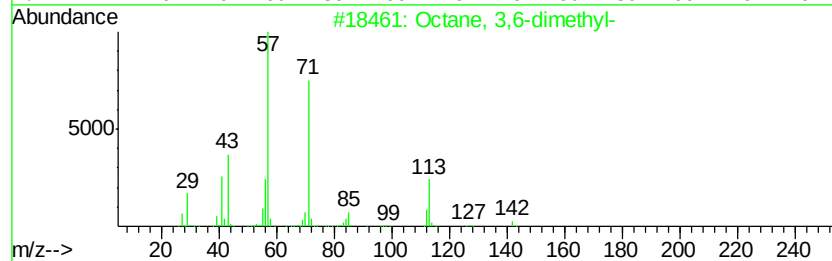
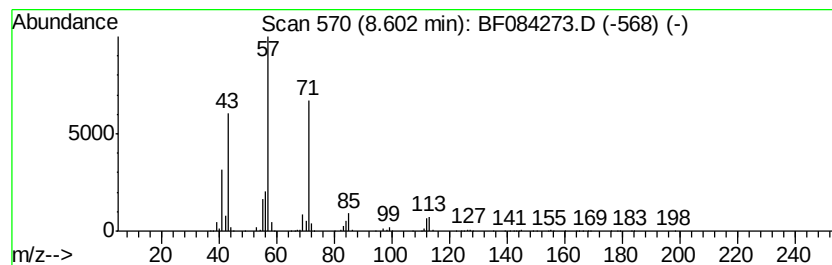
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PJ-SB-1(20.0-20.5)

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 7 Octane, 3,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	32.68 ng	4882770	Napthalene-d8	8.18
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Octane, 3,6-dimethyl-	142 C10H22	015869-94-0	78
2	Octane, 2,6-dimethyl-	142 C10H22	002051-30-1	72
3	Octane, 1,1'-oxybis-	242 C16H34O	000629-82-3	72
4	Decane, 2,6,7-trimethyl-	184 C13H28	062108-25-2	59
5	Butane, 2,2-dimethyl-	86 C6H14	000075-83-2	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
Data File : BF084273.D
Acq On : 5 Jan 2016 8:43
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Sample : G4949-02
Misc :
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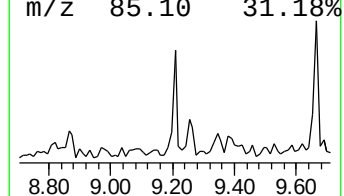
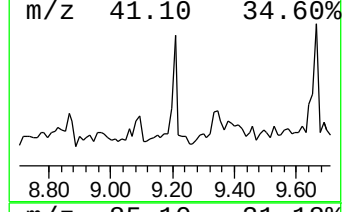
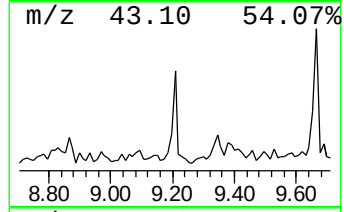
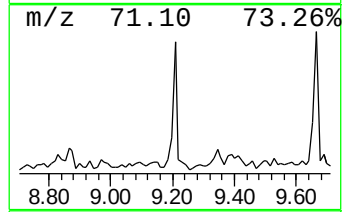
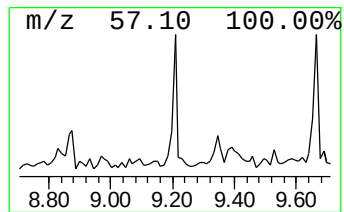
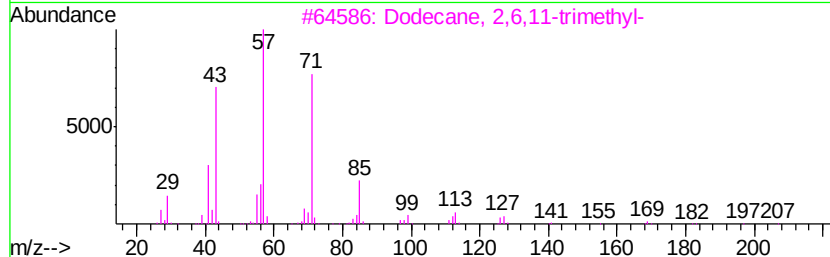
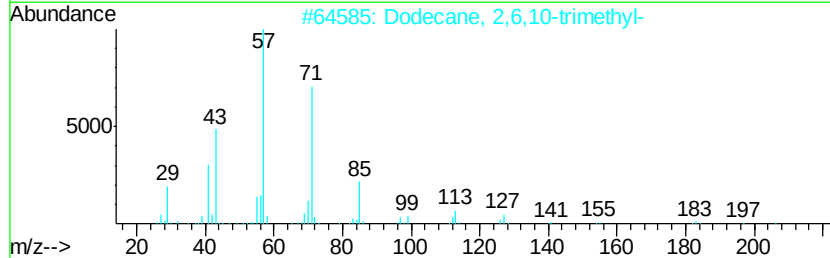
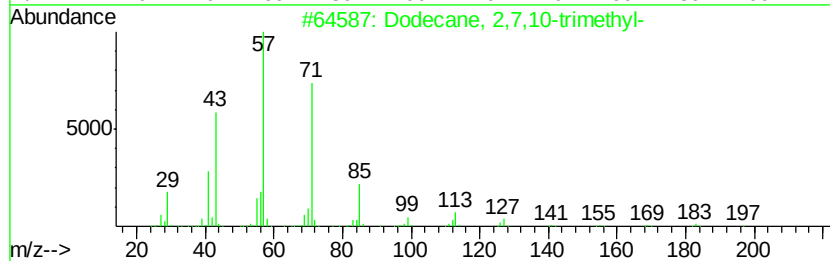
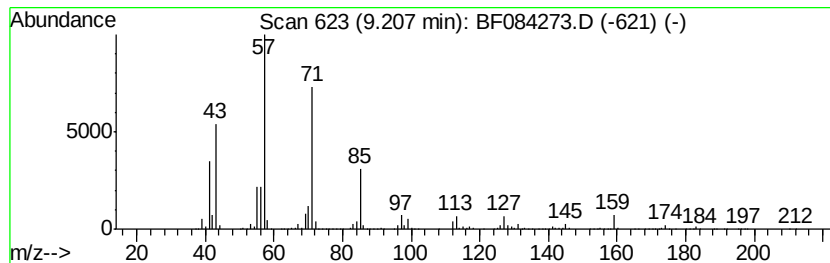
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PJ-SB-1(20.0-20.5)

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

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

Peak Number 9 Dodecane, 2,7,10-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	20.23 ng	5661450	Acenaphthene-d10	9.94
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane, 2,7,10-trimethyl-	212 C15H32	074645-98-0	90
2	Dodecane, 2,6,10-trimethyl-	212 C15H32	003891-98-3	86
3	Dodecane, 2,6,11-trimethyl-	212 C15H32	031295-56-4	83
4	Bacchotricuneatin c	342 C20H22O5	066563-30-2	64
5	Octane, 2,3,7-trimethyl-	156 C11H24	062016-34-6	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
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Acq On : 5 Jan 2016 8:43
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Sample : G4949-02
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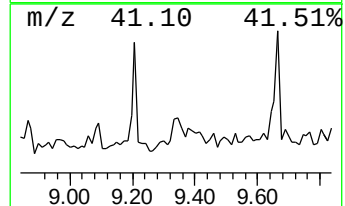
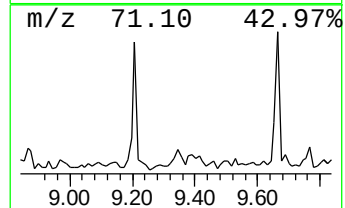
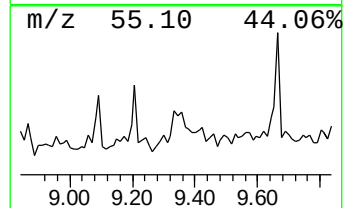
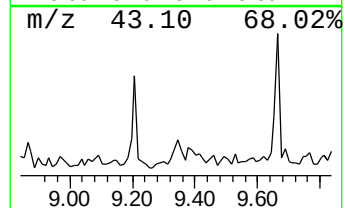
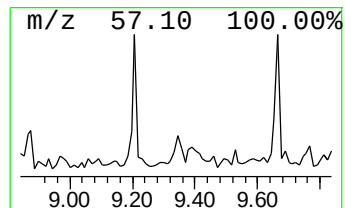
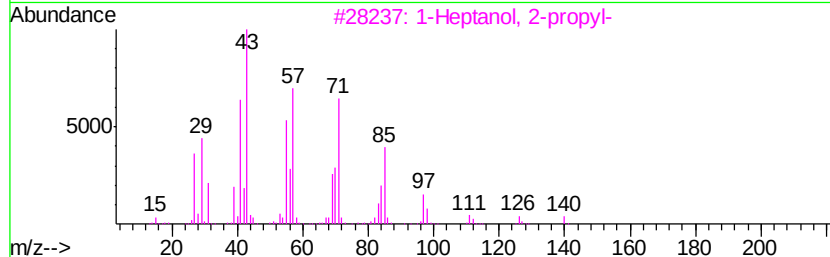
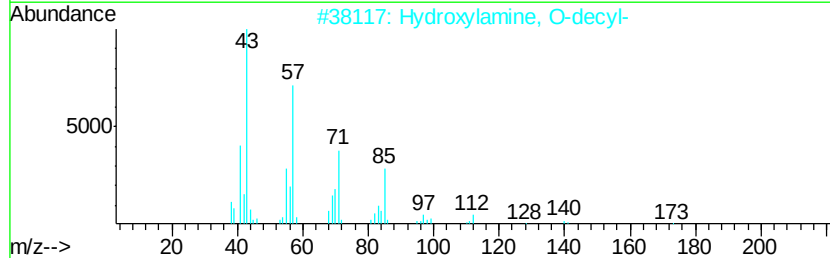
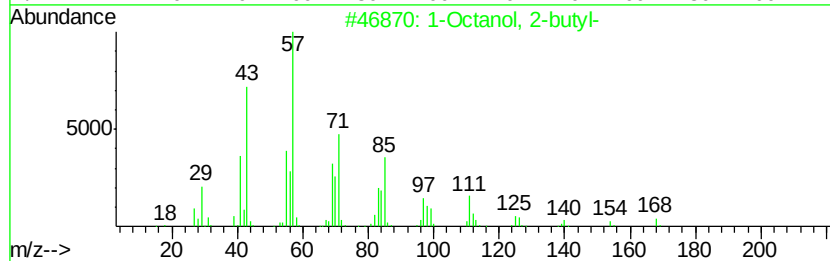
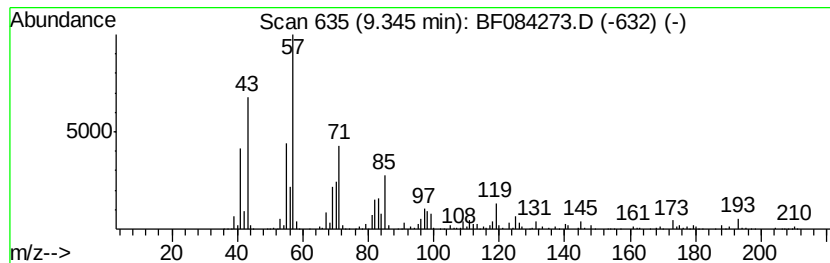
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1-Octanol, 2-butyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.34	12.99 ng	3635170	Acenaphthene-d10	9.94	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	80
2	Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	64
3	1-Heptanol, 2-propyl-	158	C10H22O	010042-59-8	59
4	Octadecane, 1-bromo-	332	C18H37Br	000112-89-0	52
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
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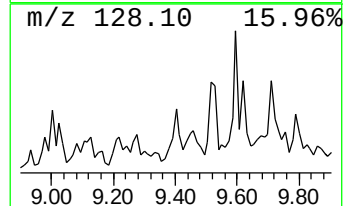
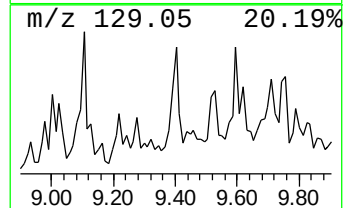
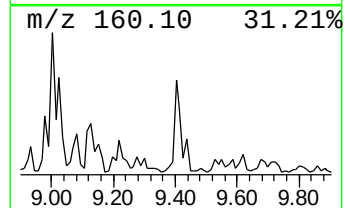
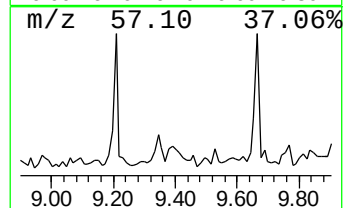
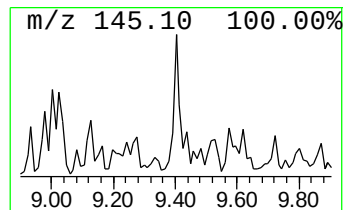
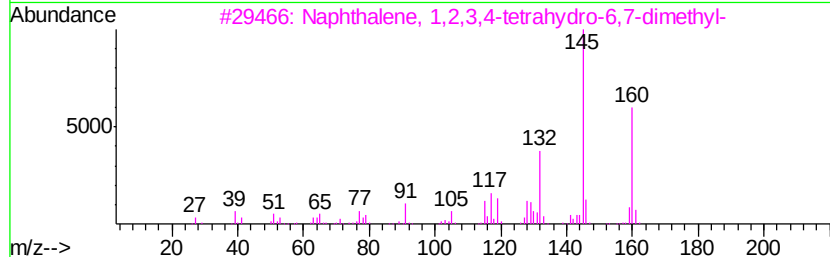
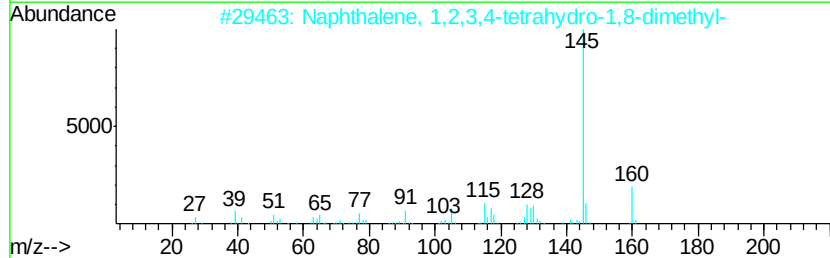
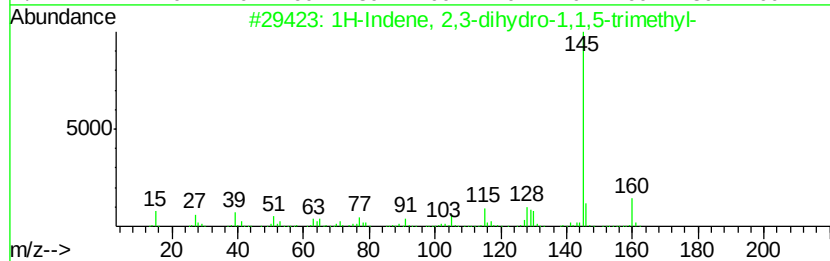
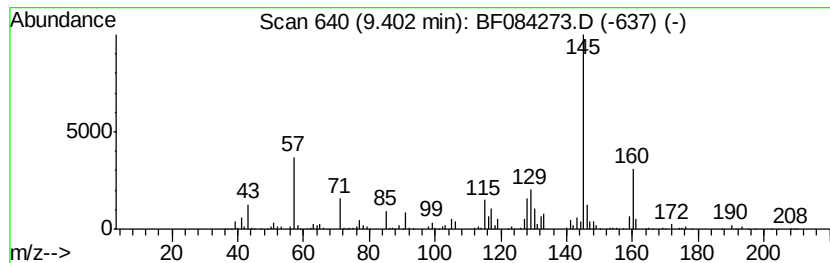
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	16.13 ng	4514750	Acenaphthene-d10	9.94
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1H-Indene, 2,3-dihydro-1,1,5-tri...	160 C12H16	040650-41-7 87
2		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	025419-33-4 83
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 81
5		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	021564-91-0 80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084273.D
Acq On : 5 Jan 2016 8:43
Operator : UM/SJ
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PJ-SB-1(20.0-20.5)

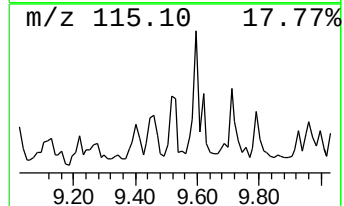
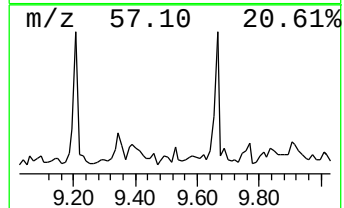
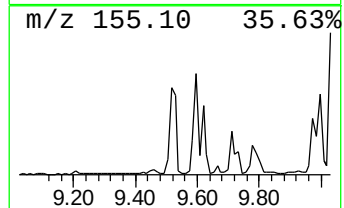
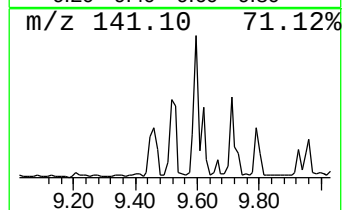
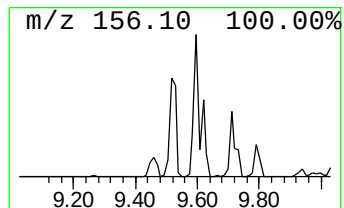
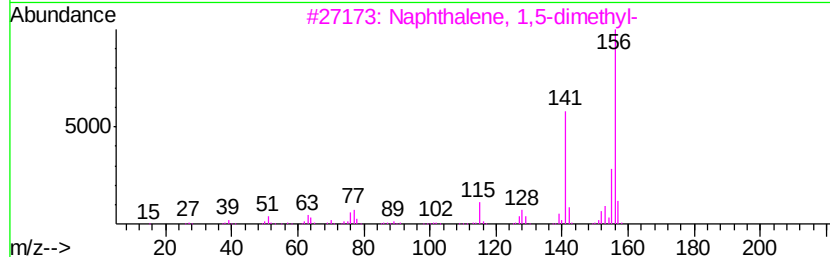
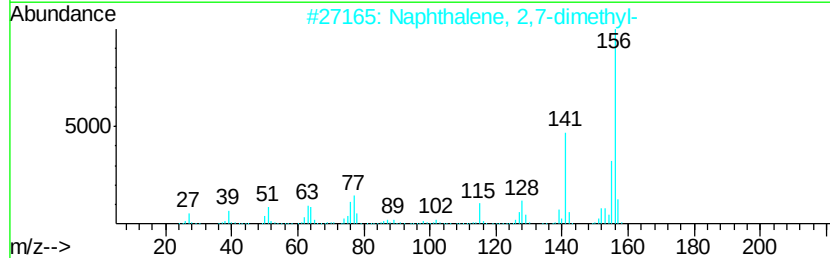
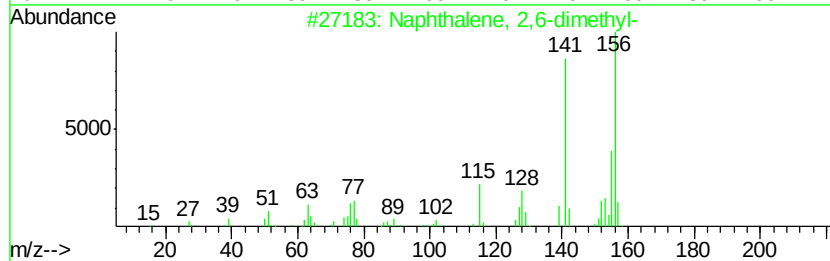
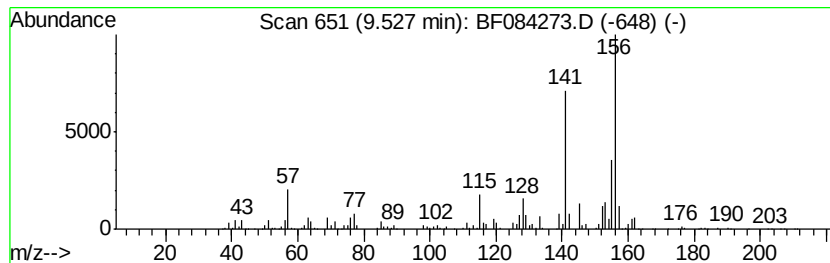
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	13.64 ng	3817980	Acenaphthene-d10	9.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
4		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084273.D
Acq On : 5 Jan 2016 8:43
Operator : UM/SJ
Sample : G4949-02
Misc :
ALS Vial : 40 Sample Multiplier: 1

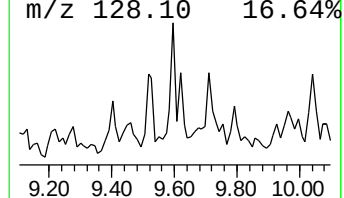
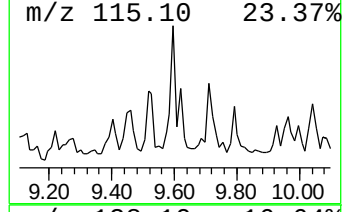
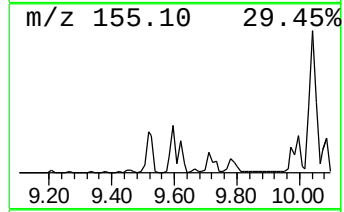
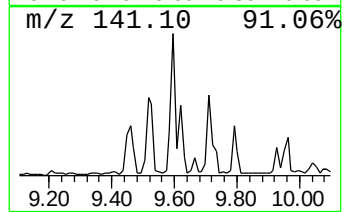
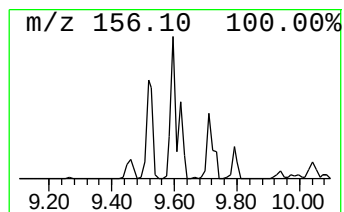
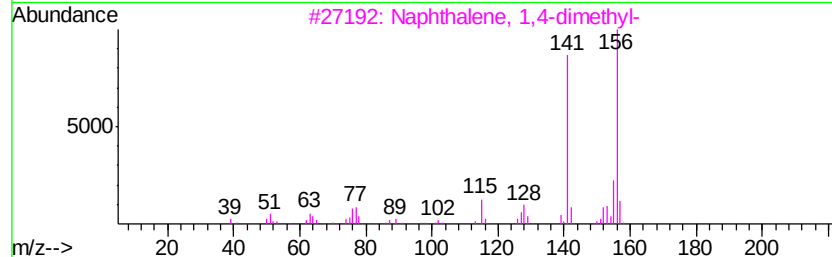
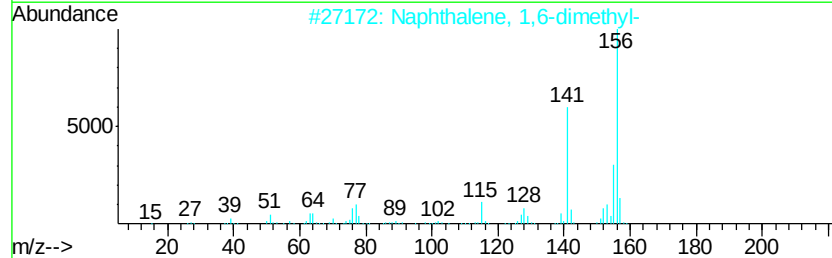
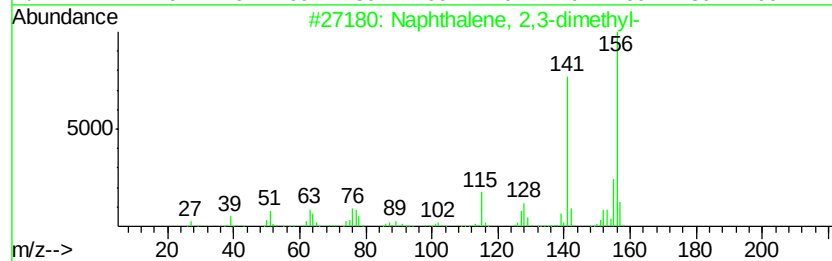
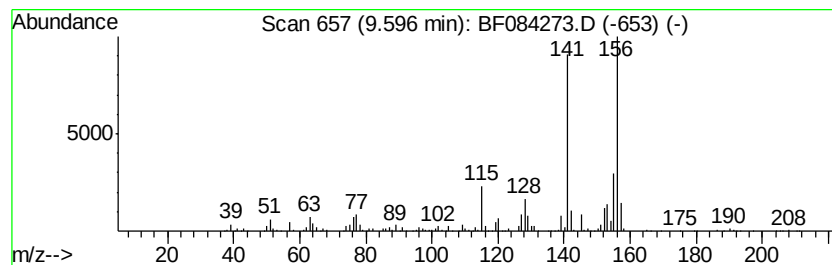
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ClientSampleId :
PJ-SB-1(20.0-20.5)

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, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.60	17.81 ng	4984800	Acenaphthene-d10		9.94
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084273.D
Acq On : 5 Jan 2016 8:43
Operator : UM/SJ
Sample : G4949-02
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PJ-SB-1(20.0-20.5)

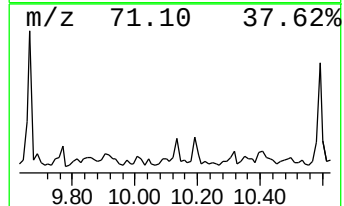
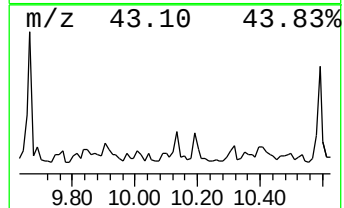
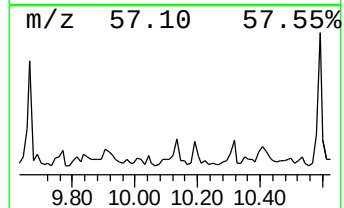
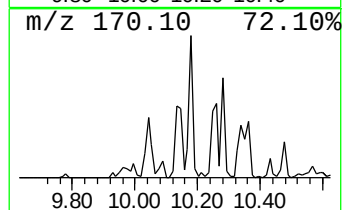
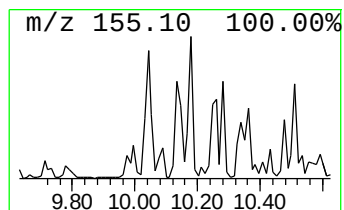
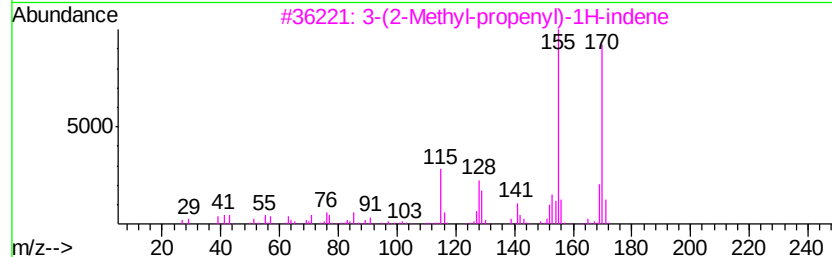
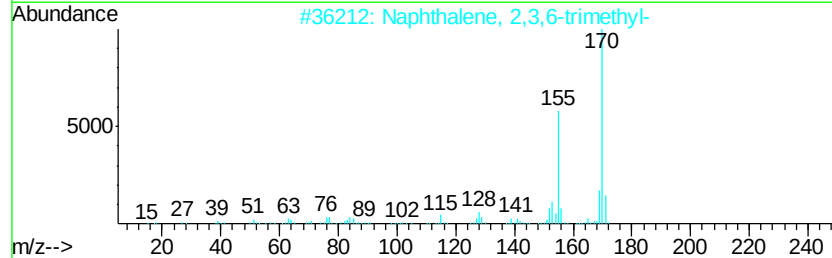
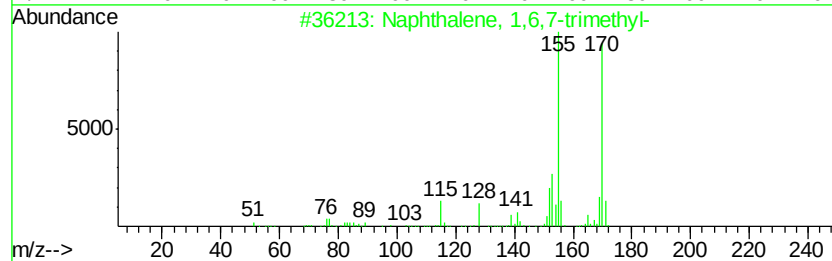
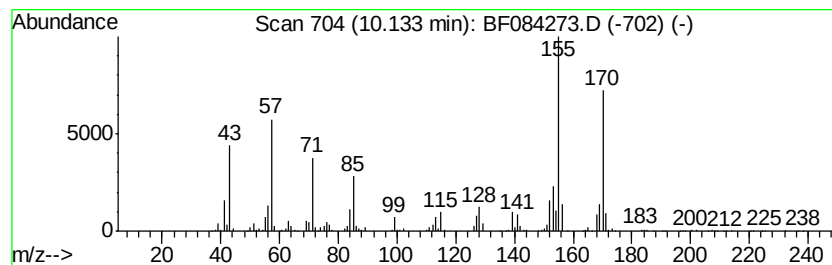
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	14.32 ng	4009790	Acenaphthene-d10	9.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91
3		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	90
4		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	86
5		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
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Acq On : 5 Jan 2016 8:43
Operator : UM/SJ
Sample : G4949-02
Misc :
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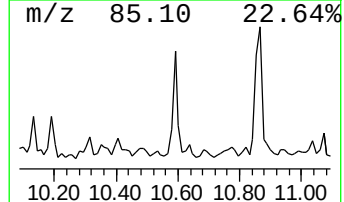
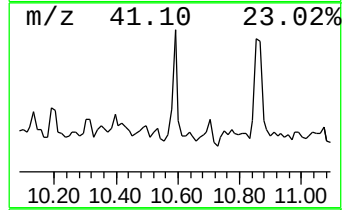
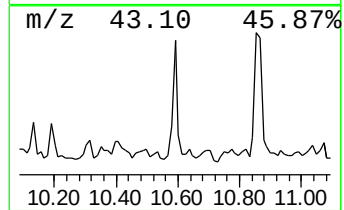
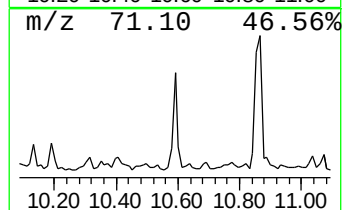
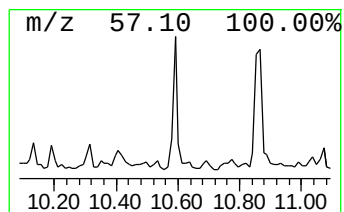
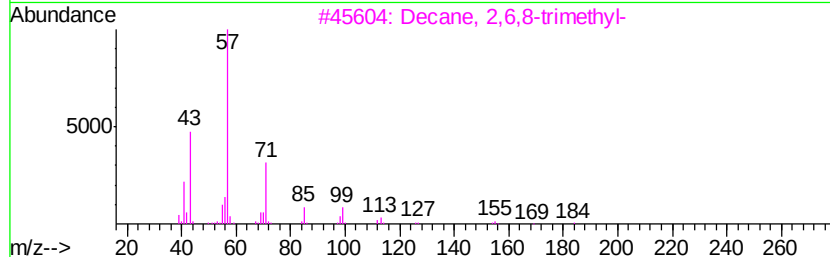
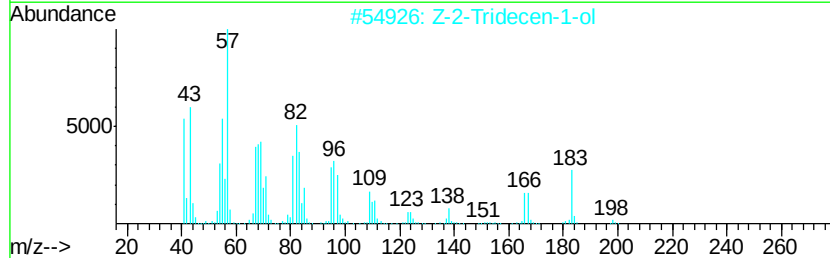
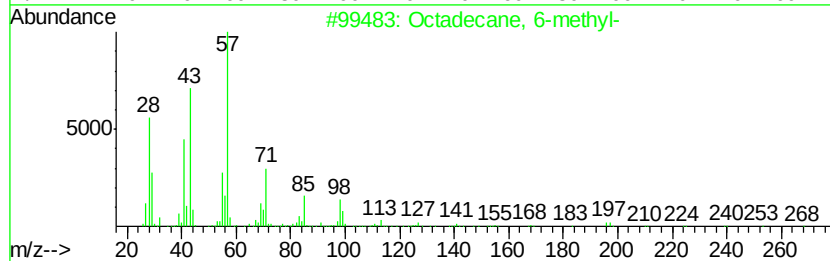
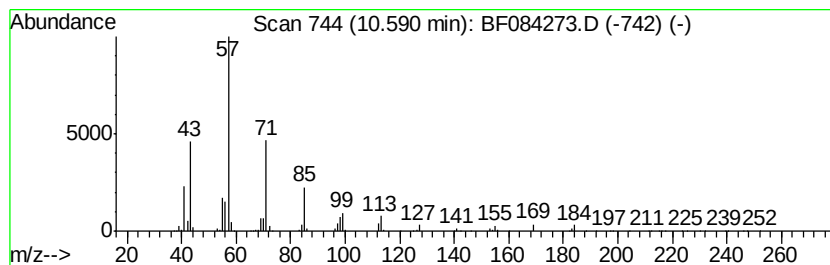
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ClientSampleId :
PJ-SB-1(20.0-20.5)

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 17 Octadecane, 6-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.		
10.59	20.55 ng	5753230	Acenaphthene-d10		9.94		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane, 6-methyl-	268	C19H40	010544-96-4	78
2			Z-2-Tridecen-1-ol	198	C13H26O	1000130-75-8	74
3			Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	74
4			3,5-Dimethyldodecane	198	C14H30	107770-99-0	70
5			Tetradecane, 3-methyl-	212	C15H32	018435-22-8	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
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Sample : G4949-02
Misc :
ALS Vial : 40 Sample Multiplier: 1

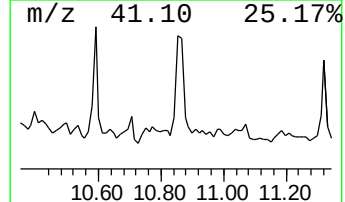
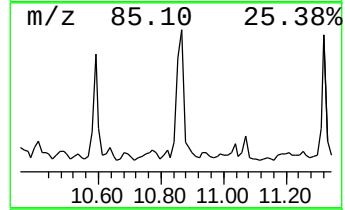
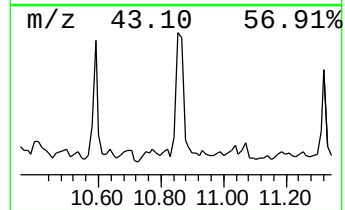
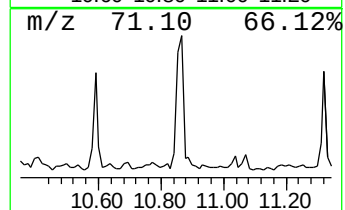
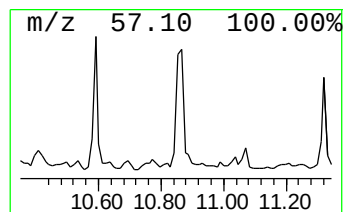
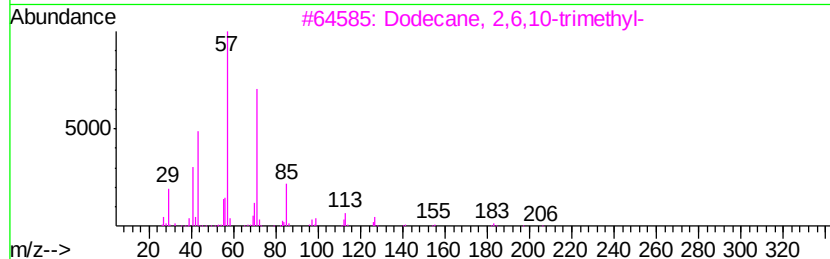
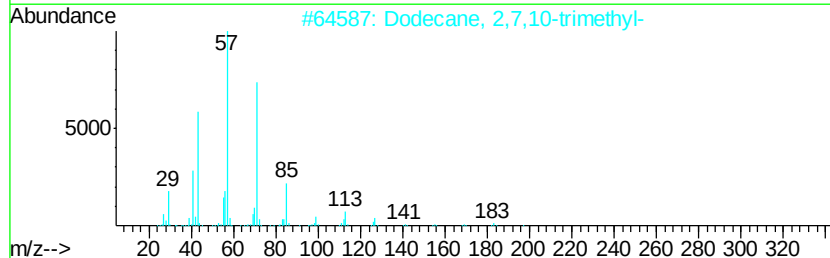
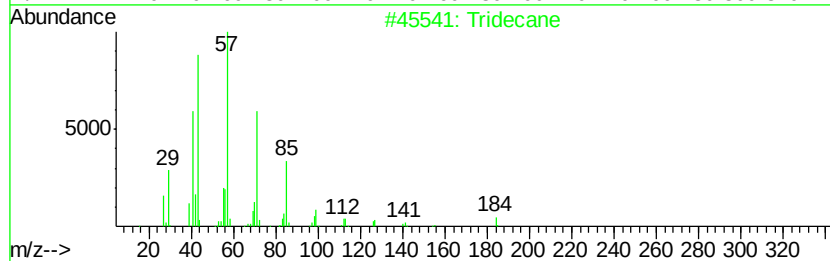
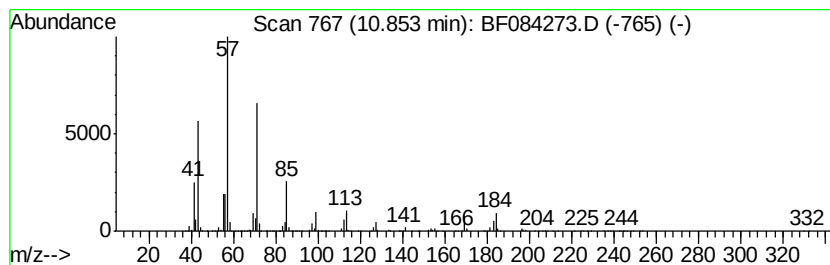
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PJ-SB-1(20.0-20.5)

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 18 Tridecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	49.81 ng	8001220	Phenanthrene-d10	11.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Tridecane		184 C13H28	000629-50-5 64
2	Dodecane, 2,7,10-trimethyl-		212 C15H32	074645-98-0 64
3	Dodecane, 2,6,10-trimethyl-		212 C15H32	003891-98-3 64
4	5,5-Dibutylnonane		240 C17H36	006008-17-9 64
5	Tetradecane, 4-methyl-		212 C15H32	025117-24-2 58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
Data File : BF084273.D
Acq On : 5 Jan 2016 8:43
Operator : UM/SJ
Sample : G4949-02
Misc :
ALS Vial : 40 Sample Multiplier: 1

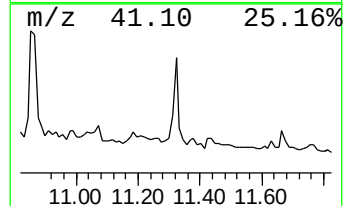
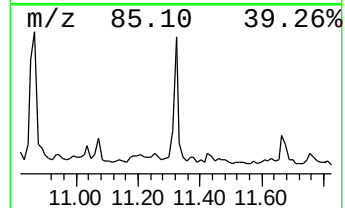
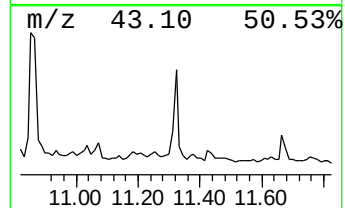
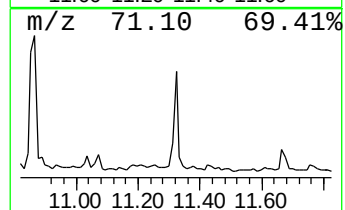
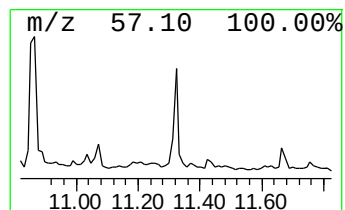
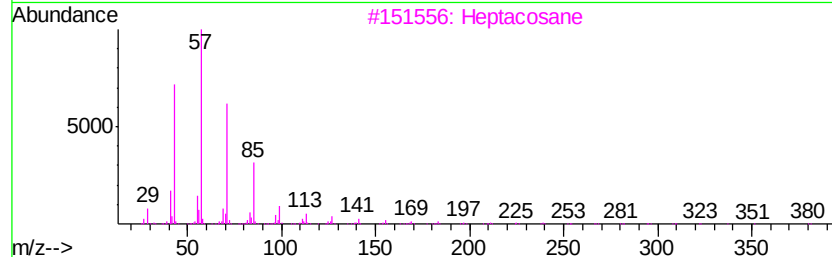
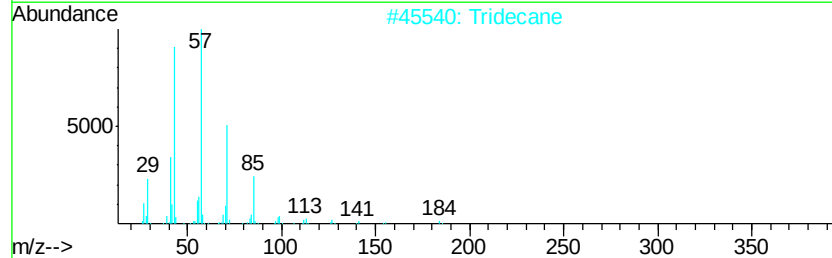
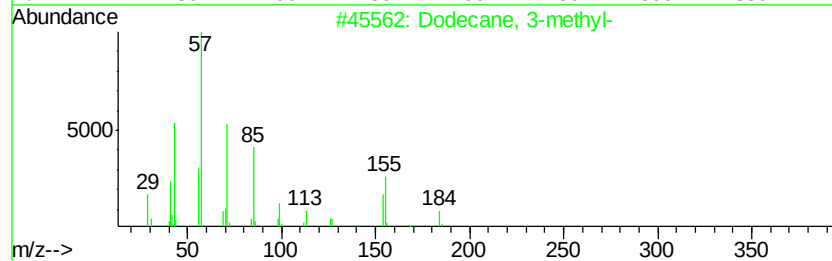
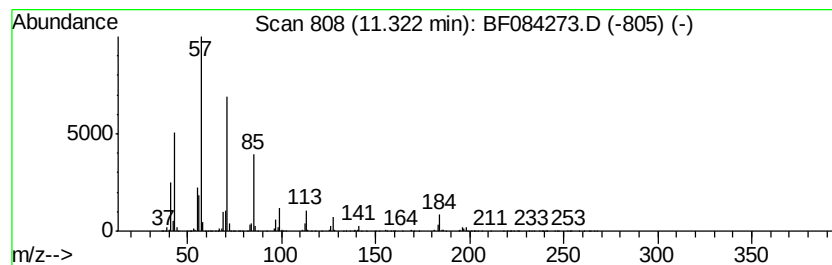
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ClientSampleId :
PJ-SB-1(20.0-20.5)

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 Dodecane, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	33.62 ng	5399730	Phenanthrene-d10	11.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane, 3-methyl-	184 C13H28	017312-57-1	87
2	Tridecane	184 C13H28	000629-50-5	87
3	Heptacosane	380 C27H56	000593-49-7	86
4	Hexacosane	366 C26H54	000630-01-3	86
5	Hexadecane, 2,6,10,14-tetramethyl-	282 C20H42	000638-36-8	80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
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Sample : G4949-02
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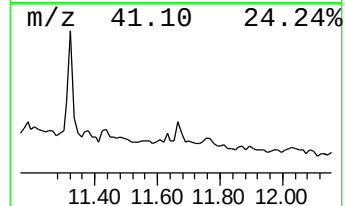
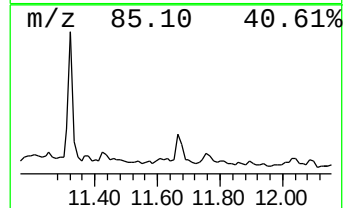
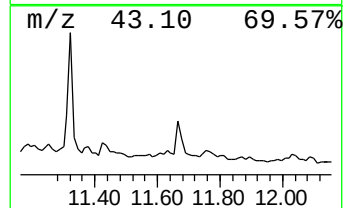
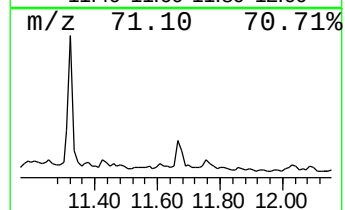
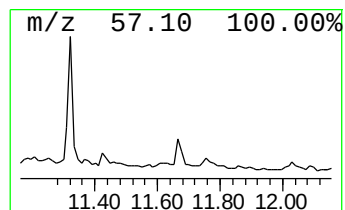
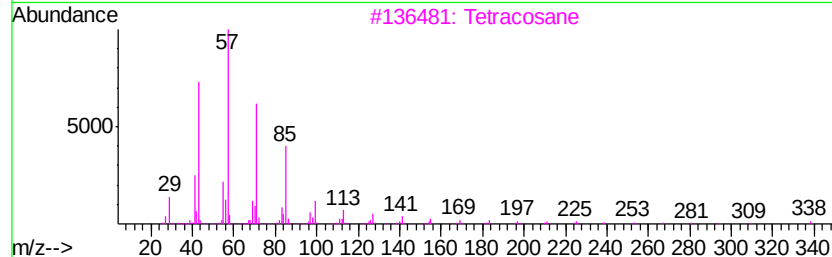
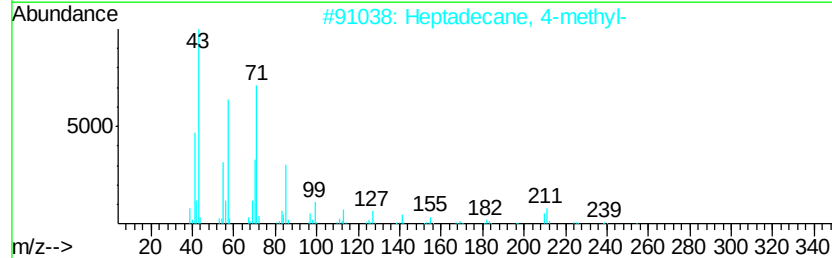
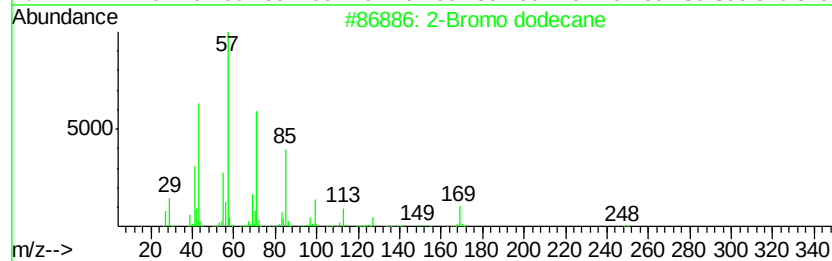
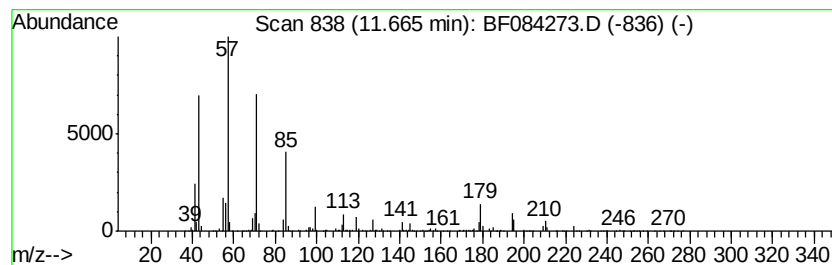
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 2-Bromo dodecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.66	12.53 ng	2013300	Phenanthrene-d10	11.42	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	76
2	Heptadecane, 4-methyl-	254	C18H38	026429-11-8	70
3	Tetracosane	338	C24H50	000646-31-1	64
4	Tritetracontane	605	C43H88	007098-21-7	64
5	Octadecane	254	C18H38	000593-45-3	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
 Data File : BF084273.D
 Acq On : 5 Jan 2016 8:43
 Operator : UM/SJ
 Sample : G4949-02
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-1(20.0-20.5)

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
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unknown6.67	6.67	63.1	ng	8874950	1	6.89	2814820	20.0
Naphthalene, deca...	7.81	16.7	ng	2496260	2	8.18	2988360	20.0
Undecane, 2,6-dim...	8.25	24.0	ng	3586150	2	8.18	2988360	20.0
Cyclohexane, (4-m...	8.48	15.1	ng	2254500	2	8.18	2988360	20.0
Octane, 3,6-dimet...	8.60	32.7	ng	4882770	2	8.18	2988360	20.0
Dodecane, 2,7,10-...	9.21	20.2	ng	5661450	3	9.94	5598470	20.0
1-Octanol, 2-butyl-	9.34	13.0	ng	3635170	3	9.94	5598470	20.0
1H-Indene, 2,3-di...	9.40	16.1	ng	4514750	3	9.94	5598470	20.0
Naphthalene, 2,6-...	9.53	13.6	ng	3817980	3	9.94	5598470	20.0
Naphthalene, 2,3-...	9.60	17.8	ng	4984800	3	9.94	5598470	20.0
Naphthalene, 1,6,...	10.13	14.3	ng	4009790	3	9.94	5598470	20.0
Octadecane, 6-met...	10.59	20.6	ng	5753230	3	9.94	5598470	20.0
Tridecane	10.85	49.8	ng	8001220	4	11.42	3212670	20.0
Dodecane, 3-methyl-	11.32	33.6	ng	5399730	4	11.42	3212670	20.0
2-Bromo dodecane	11.66	12.5	ng	2013300	4	11.42	3212670	20.0