

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051117\
 Data File : BF095101.D
 Acq On : 12 May 2017 3:05
 Operator : SJ/MA
 Sample : I3037-11 40X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB423A

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-BF050217.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	7.707	977	981	991	rBV	295643	463640	49.90%	2.831%
2	7.948	1017	1022	1025	rBV3	48591	77678	8.36%	0.474%
3	8.295	1078	1081	1089	rVB6	32897	50106	5.39%	0.306%
4	8.583	1124	1130	1131	rBV4	30923	52928	5.70%	0.323%
5	8.642	1136	1140	1145	rVV5	29970	52617	5.66%	0.321%
6	8.754	1155	1159	1165	rVV8	26810	55567	5.98%	0.339%
7	8.889	1178	1182	1189	rVB4	35150	51688	5.56%	0.316%
8	8.960	1189	1194	1198	rBV4	60202	86745	9.34%	0.530%
9	9.142	1221	1225	1231	rBV3	69942	145047	15.61%	0.886%
10	9.324	1250	1256	1262	rBV3	52610	92900	10.00%	0.567%
11	9.424	1270	1273	1278	rVB5	28617	45977	4.95%	0.281%
12	9.501	1278	1286	1290	rBV8	22805	62348	6.71%	0.381%
13	9.724	1315	1324	1331	rBV	508422	929126	100.00%	5.673%
14	9.777	1331	1333	1336	rVV3	42510	54450	5.86%	0.332%
15	9.824	1336	1341	1348	rVB3	73809	153769	16.55%	0.939%
16	9.930	1355	1359	1363	rVB3	90719	116164	12.50%	0.709%
17	10.007	1369	1372	1377	rVB4	38659	54970	5.92%	0.336%
18	10.083	1378	1385	1390	rBV6	82516	167903	18.07%	1.025%
19	10.136	1390	1394	1397	rBV4	31752	52220	5.62%	0.319%
20	10.201	1402	1405	1410	rVB3	93748	117363	12.63%	0.717%
21	10.254	1410	1414	1418	rBV3	100022	144036	15.50%	0.879%
22	10.348	1425	1430	1433	rBV5	43196	70953	7.64%	0.433%
23	10.383	1433	1436	1440	rVB2	52377	70521	7.59%	0.431%
24	10.519	1454	1459	1462	rBV2	231077	291022	31.32%	1.777%
25	10.636	1474	1479	1481	rBV5	46305	74888	8.06%	0.457%
26	10.701	1487	1490	1492	rBV	35094	52154	5.61%	0.318%
27	10.730	1492	1495	1499	rVV4	45719	83188	8.95%	0.508%
28	10.771	1499	1502	1504	rVV3	51802	73840	7.95%	0.451%
29	10.807	1505	1508	1513	rVB5	86177	124536	13.40%	0.760%
30	10.877	1516	1520	1528	rVB7	31030	74808	8.05%	0.457%
31	10.971	1534	1536	1542	rVB5	35472	50366	5.42%	0.308%
32	11.048	1542	1549	1552	rBV4	128392	212586	22.88%	1.298%
33	11.083	1552	1555	1557	rBV	68215	84589	9.10%	0.516%
34	11.218	1574	1578	1582	rBV4	37125	55806	6.01%	0.341%

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35	11.260	1582	1585	1588	rBV2	73783	98621	10.61%	0.602%
36	11.436	1612	1615	1616	rVV2	46441	53000	5.70%	0.324%
37	11.489	1620	1624	1629	rVB2	274704	320943	34.54%	1.959%
38	11.542	1629	1633	1638	rVB6	56529	102280	11.01%	0.624%
39	11.589	1638	1641	1645	rBV2	62023	86678	9.33%	0.529%
40	11.707	1657	1661	1662	rBV3	44000	56036	6.03%	0.342%
41	11.730	1662	1665	1669	rVB3	129028	171129	18.42%	1.045%
42	11.777	1669	1673	1674	rBV3	50550	56624	6.09%	0.346%
43	11.918	1691	1697	1701	rBV4	96496	214929	23.13%	1.312%
44	12.024	1711	1715	1719	rBV	239953	283431	30.51%	1.730%
45	12.077	1719	1724	1730	rVB5	151843	289954	31.21%	1.770%
46	12.189	1740	1743	1745	rBV	84041	103184	11.11%	0.630%
47	12.236	1747	1751	1756	rVB	383723	484347	52.13%	2.957%
48	12.336	1763	1768	1772	rBV3	130748	213541	22.98%	1.304%
49	12.407	1776	1780	1787	rVB5	166079	263993	28.41%	1.612%
50	12.554	1800	1805	1810	rBV2	528473	752788	81.02%	4.596%
51	12.601	1811	1813	1818	rVV3	52273	71612	7.71%	0.437%
52	12.760	1836	1840	1846	rVB2	90764	174413	18.77%	1.065%
53	12.824	1848	1851	1854	rVB4	73085	90734	9.77%	0.554%
54	12.918	1860	1867	1872	rBV2	193111	320567	34.50%	1.957%
55	12.983	1875	1878	1884	rVB2	170424	252923	27.22%	1.544%
56	13.101	1894	1898	1903	rVB	213976	296697	31.93%	1.811%
57	13.148	1903	1906	1910	rBV	127412	148003	15.93%	0.904%
58	13.242	1915	1922	1925	rVV3	104459	188350	20.27%	1.150%
59	13.271	1925	1927	1930	rVB2	61585	60448	6.51%	0.369%
60	13.389	1944	1947	1952	rBV5	33466	51958	5.59%	0.317%
61	13.454	1954	1958	1965	rVB4	118968	226979	24.43%	1.386%
62	13.542	1966	1973	1979	rBV4	118396	287055	30.90%	1.753%
63	13.589	1979	1981	1986	rVB5	59866	82029	8.83%	0.501%
64	13.665	1991	1994	1997	rBV3	53338	61692	6.64%	0.377%
65	13.754	2002	2009	2014	rVB2	237732	393835	42.39%	2.404%
66	14.077	2062	2064	2070	rVB2	72197	88188	9.49%	0.538%
67	14.189	2078	2083	2088	rBV2	434987	591931	63.71%	3.614%
68	14.389	2114	2117	2125	rVB4	81975	109287	11.76%	0.667%
69	14.536	2138	2142	2146	rBV4	61370	75816	8.16%	0.463%
70	14.577	2146	2149	2154	rVB4	49411	72038	7.75%	0.440%
71	14.954	2206	2213	2217	rBV2	631797	916170	98.61%	5.594%

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72	14.995	2217	2220	2225	rVB	177380	242852	26.14%	1.483%
73	15.089	2233	2236	2239	rBV	43395	46894	5.05%	0.286%
74	15.171	2246	2250	2254	rBV	58556	104188	11.21%	0.636%
75	15.242	2259	2262	2265	rBV5	30414	43976	4.73%	0.268%
76	15.483	2300	2303	2308	rBV4	83921	129707	13.96%	0.792%
77	15.618	2322	2326	2329	rBV5	29163	44071	4.74%	0.269%
78	15.742	2344	2347	2351	rBV	105602	126382	13.60%	0.772%
79	15.783	2351	2354	2362	rVB	140030	194228	20.90%	1.186%
80	15.895	2370	2373	2376	rVV2	108922	137562	14.81%	0.840%
81	15.930	2377	2379	2385	rVB2	83340	112238	12.08%	0.685%
82	16.095	2404	2407	2414	rVB6	44691	82407	8.87%	0.503%
83	16.183	2418	2422	2425	rBV2	29868	45360	4.88%	0.277%
84	16.442	2463	2466	2469	rVV	55697	58661	6.31%	0.358%
85	16.536	2478	2482	2486	rBV2	127532	173657	18.69%	1.060%
86	16.583	2486	2490	2493	rVV3	46506	78183	8.41%	0.477%
87	16.659	2499	2503	2508	rVB2	47116	66157	7.12%	0.404%
88	16.742	2514	2517	2523	rBV	109480	149354	16.07%	0.912%
89	17.042	2565	2568	2575	rVV	229731	297720	32.04%	1.818%
90	17.112	2577	2580	2585	rVB2	30704	45269	4.87%	0.276%
91	17.165	2585	2589	2594	rBV2	32732	46467	5.00%	0.284%
92	17.277	2605	2608	2616	rVV	69720	101464	10.92%	0.619%
93	17.365	2619	2623	2634	rVB8	21106	54348	5.85%	0.332%
94	17.642	2668	2670	2675	rVB3	32315	44794	4.82%	0.273%
95	18.624	2831	2837	2842	rBV	508383	690545	74.32%	4.216%
96	19.906	3051	3055	3058	rBV	46323	63713	6.86%	0.389%
97	20.188	3099	3103	3109	rBV	64886	74432	8.01%	0.454%
98	20.247	3109	3113	3117	rBV	70992	82975	8.93%	0.507%
99	20.294	3117	3121	3132	rVV	369088	520343	56.00%	3.177%
100	21.988	3405	3409	3418	rVB2	30276	62500	6.73%	0.382%

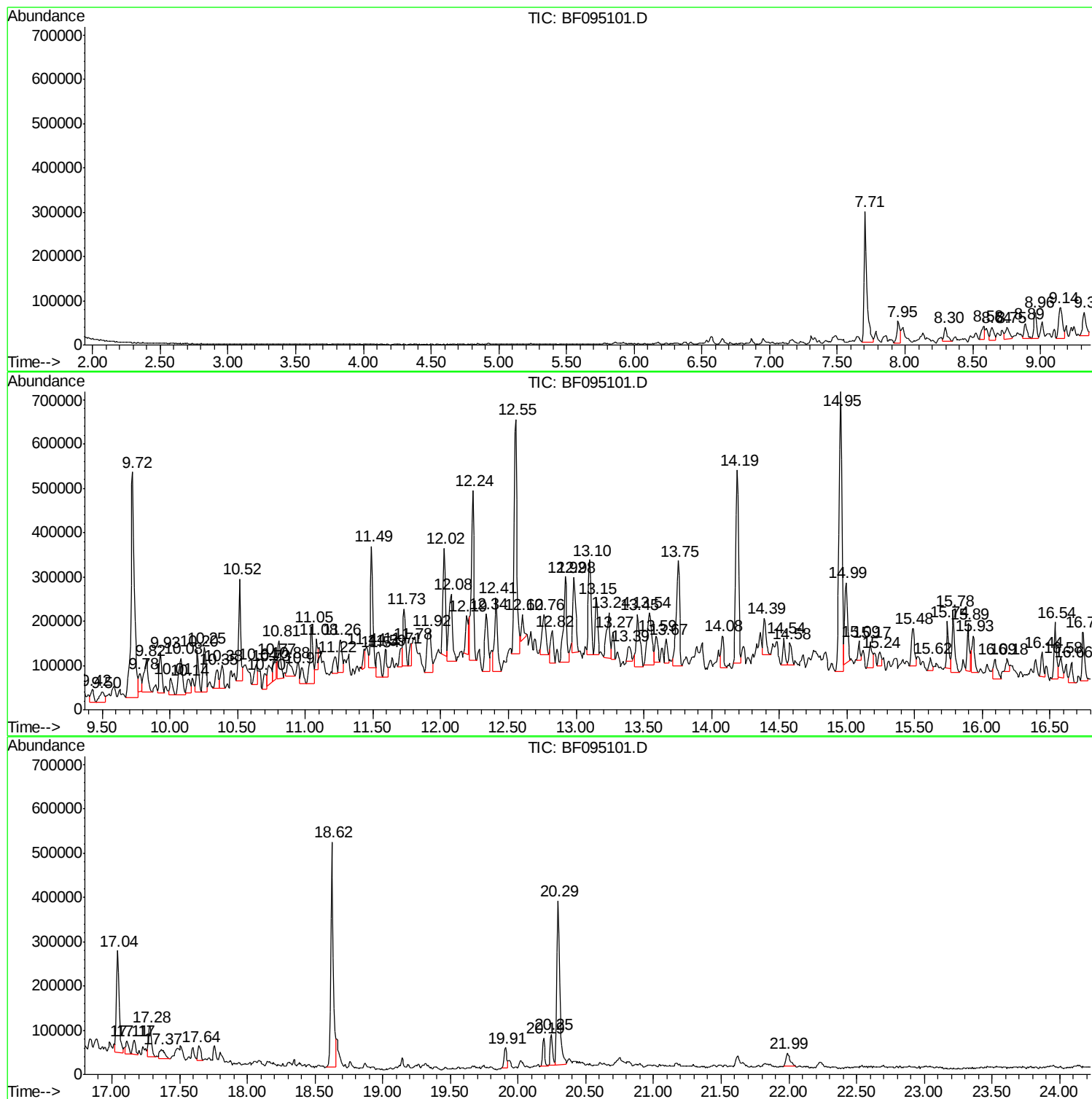
Sum of corrected areas: 16379149

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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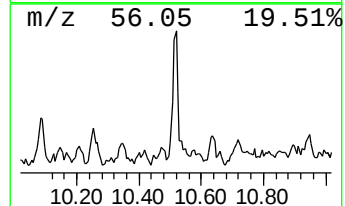
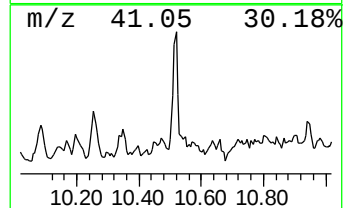
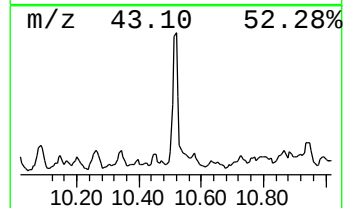
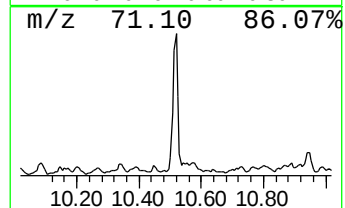
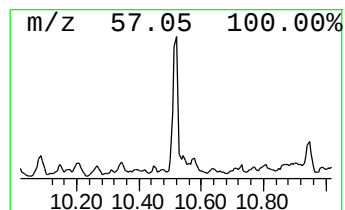
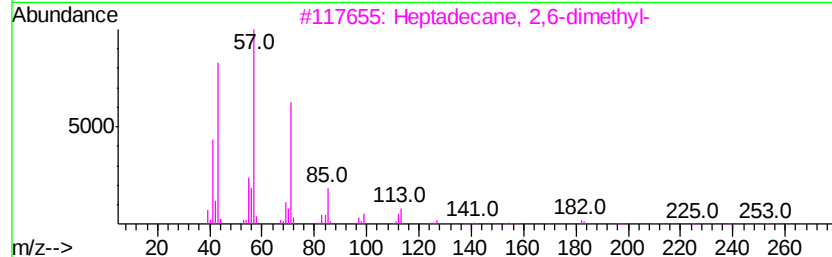
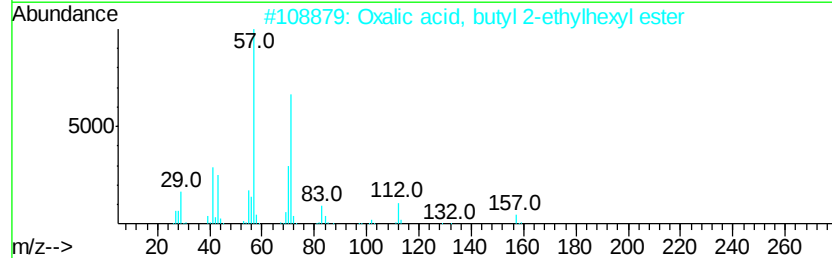
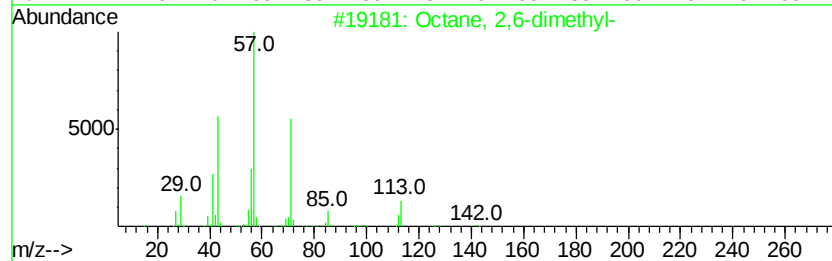
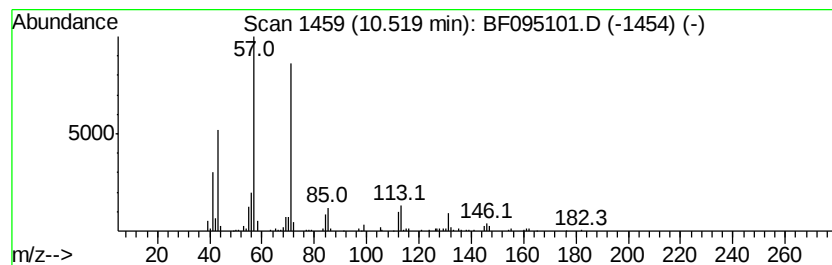
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Octane, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	6.26 ng	291022	Napthalene-d8	9.72
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Octane, 2,6-dimethyl-	142 C10H22	002051-30-1	86
2	Oxalic acid, butyl 2-ethylhexyl ...	258 C14H26O4	1000309-38-6	64
3	Heptadecane, 2,6-dimethyl-	268 C19H40	054105-67-8	64
4	Sulfurous acid, 2-ethylhexyl pen...	264 C13H28O3S	1000309-18-9	59
5	Oxalic acid, 2-ethylhexyl hexyl ...	286 C16H30O4	1000309-38-9	59



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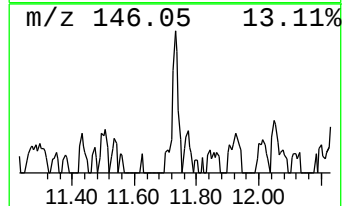
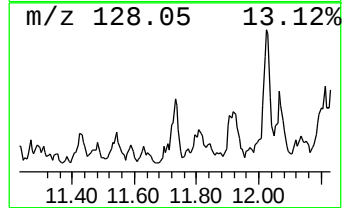
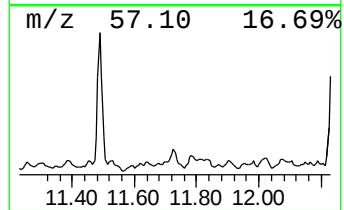
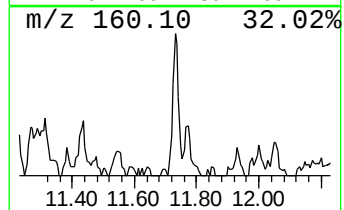
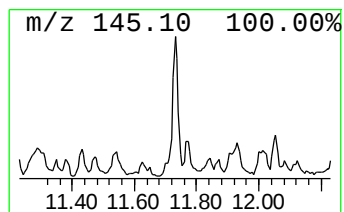
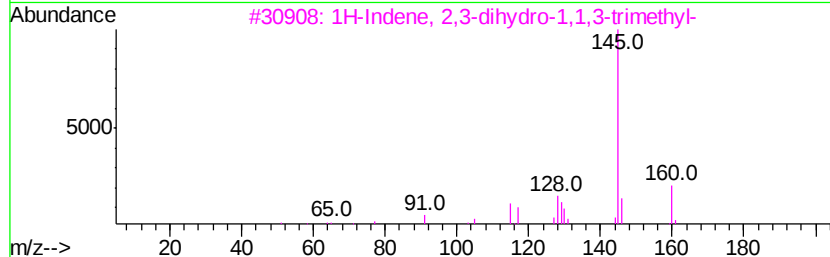
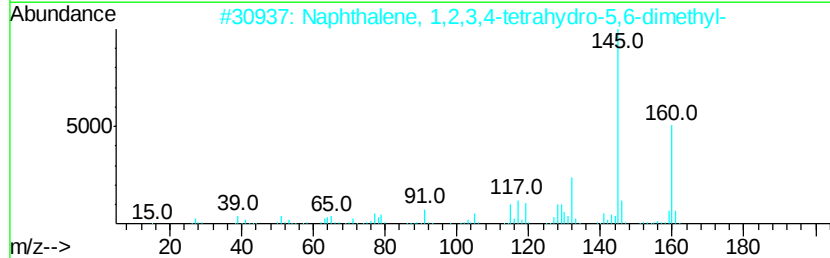
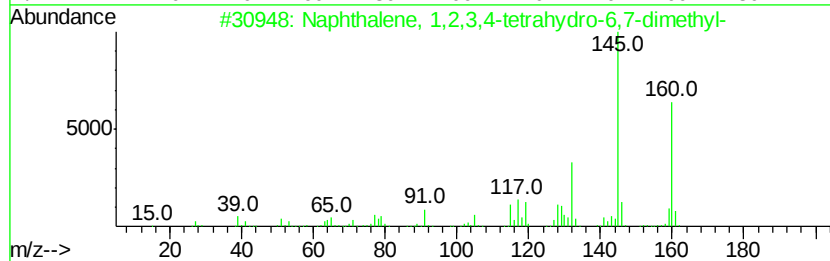
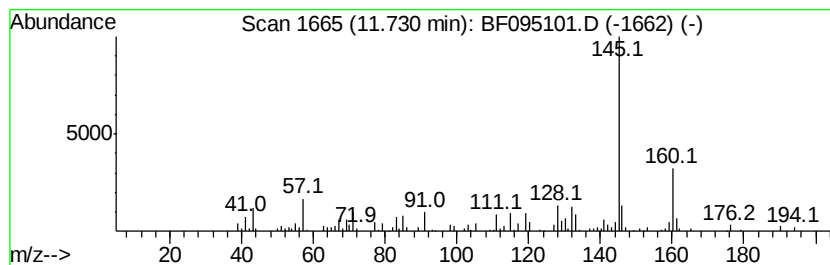
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 Naphthalene, 1,2,3,4-tetra... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.73	4.55 ng	171129	Acenaphthene-d10	12.55		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	87
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	83
3		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	83
4		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	83
5		Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	81



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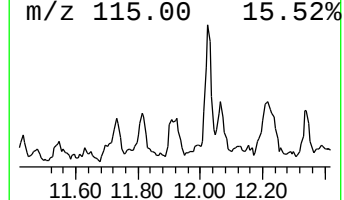
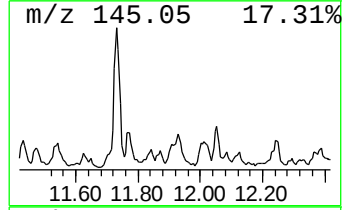
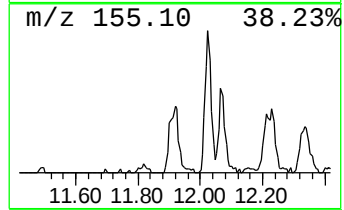
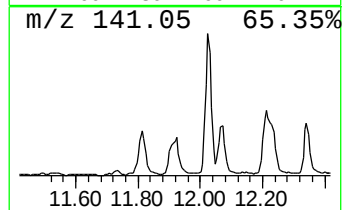
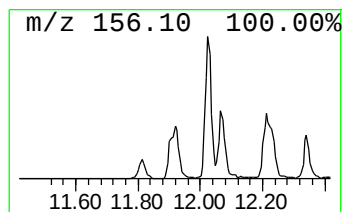
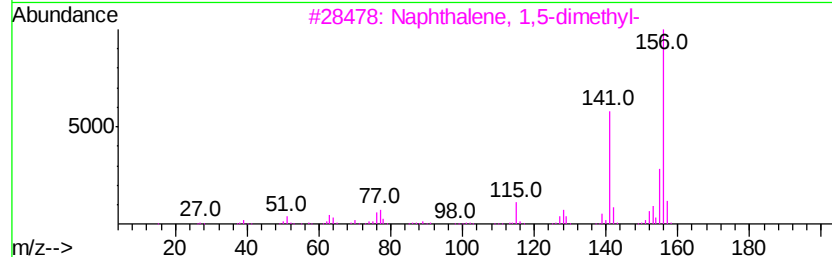
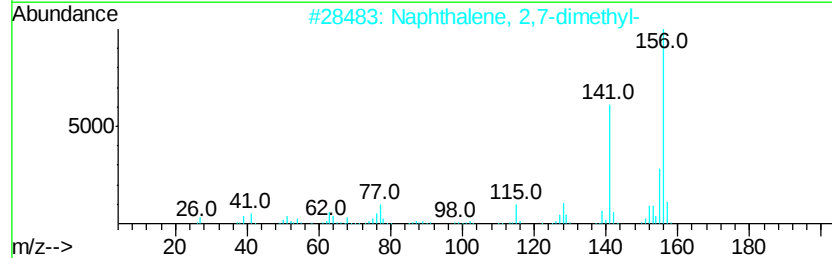
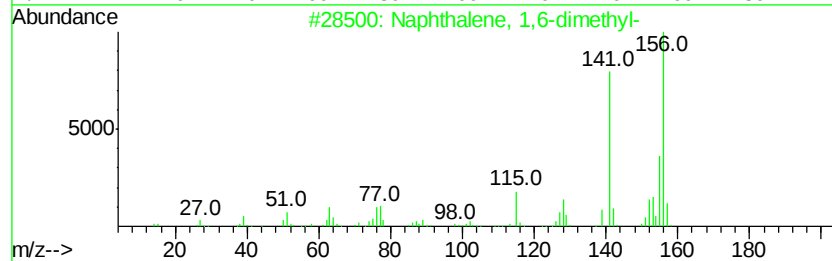
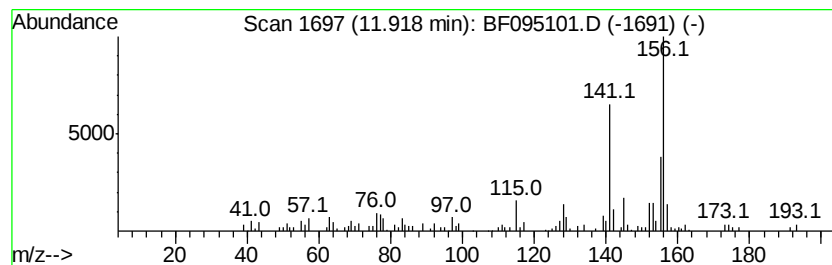
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Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	5.71 ng	214929	Acenaphthene-d10	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
2		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 96
3		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 96
4		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 95
5		Naphthalene, 1,2-dimethyl-	156 C12H12	000573-98-8 95



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Operator : SJ/MA
Sample : I3037-11 40X
Misc :
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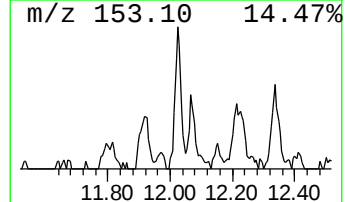
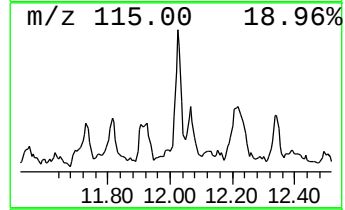
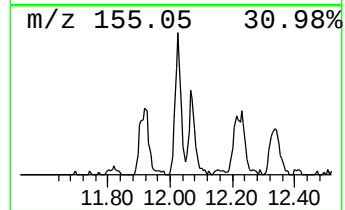
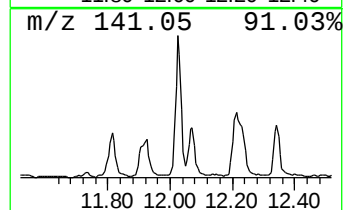
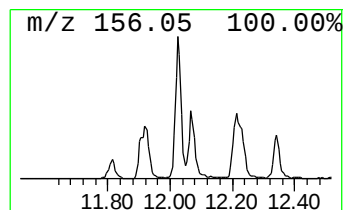
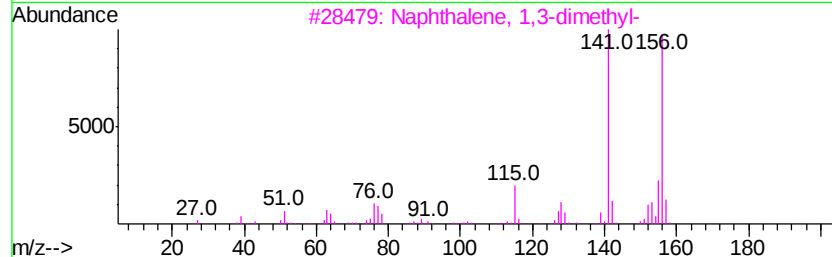
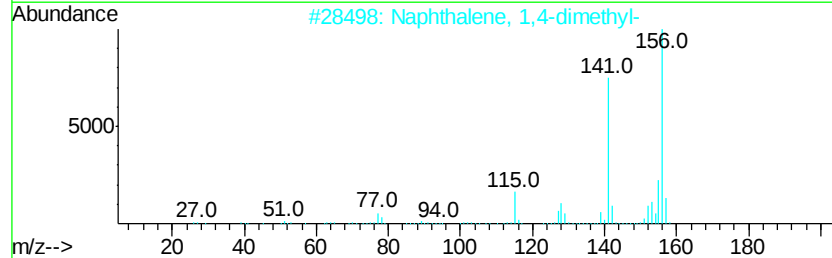
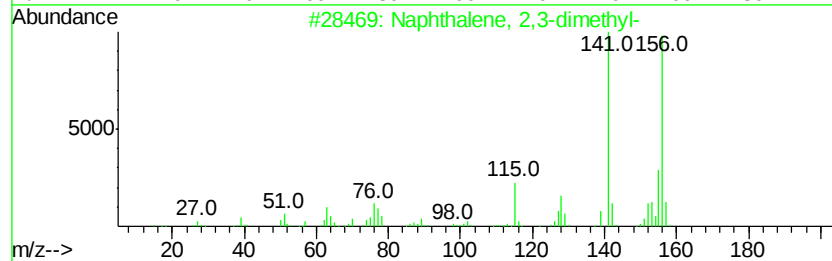
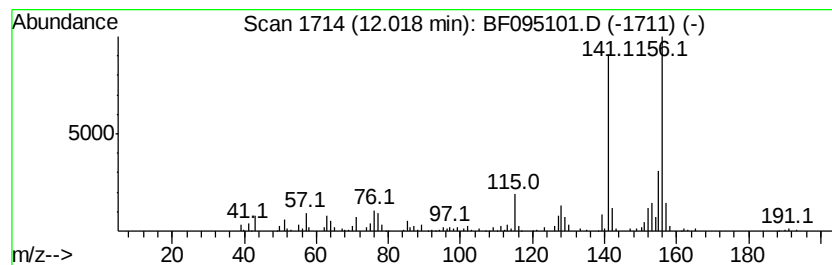
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	7.53 ng	283431	Acenaphthene-d10	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 98
2		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 97
3		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 96
4		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 96
5		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051117\
Data File : BF095101.D
Acq On : 12 May 2017 3:05
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ClientSampleId :
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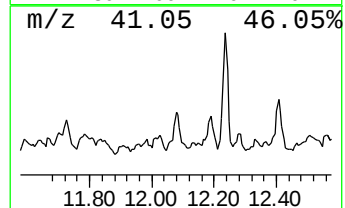
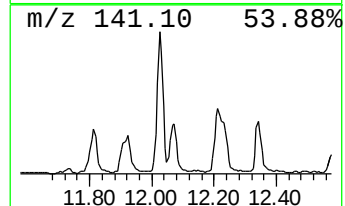
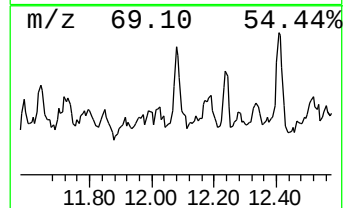
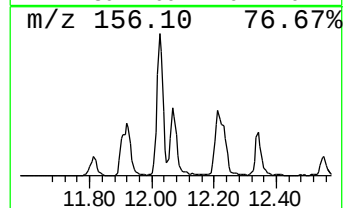
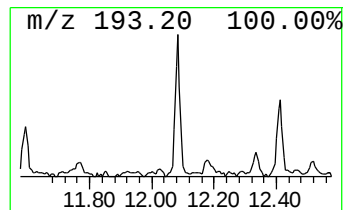
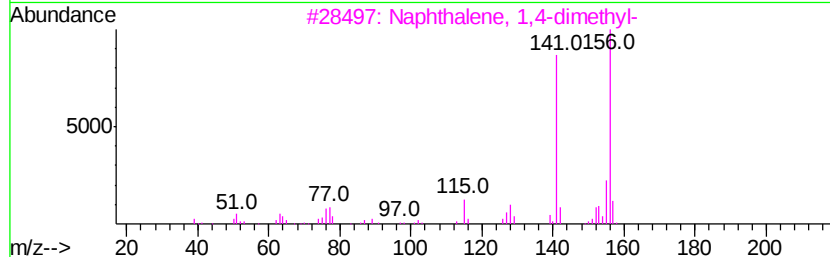
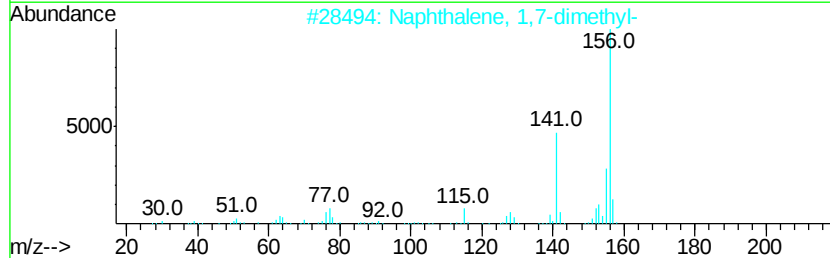
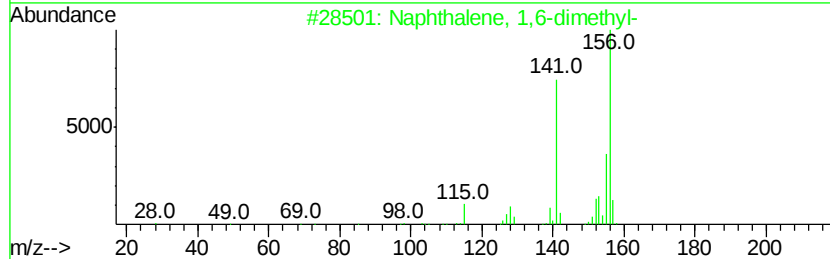
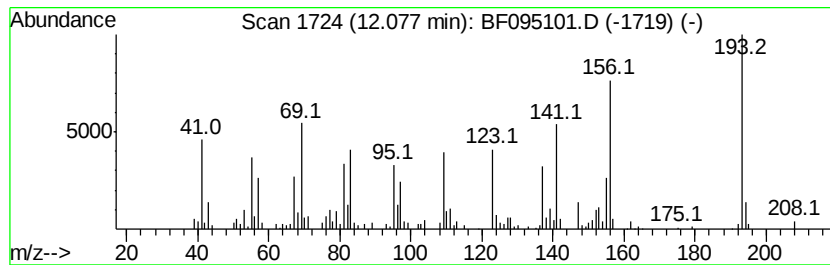
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 unknown12.08 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	7.70 ng	289954	Acenaphthene-d10	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	42
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	38
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	30
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	30
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051117\
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Operator : SJ/MA
Sample : I3037-11 40X
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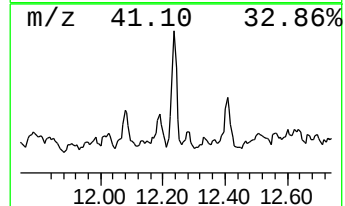
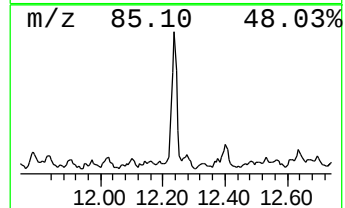
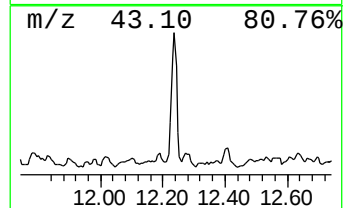
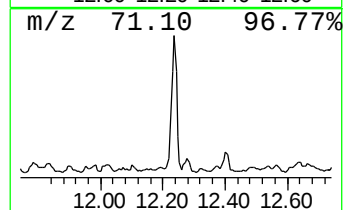
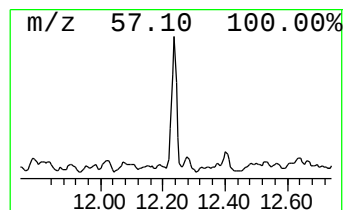
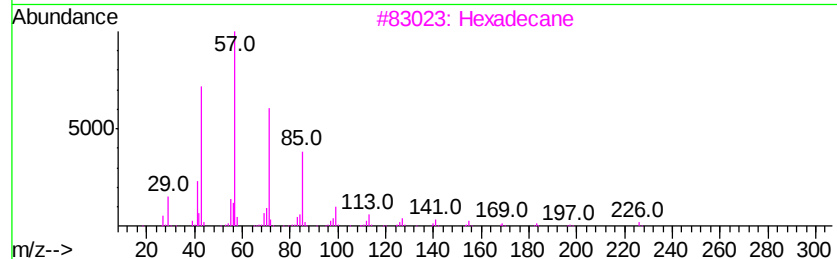
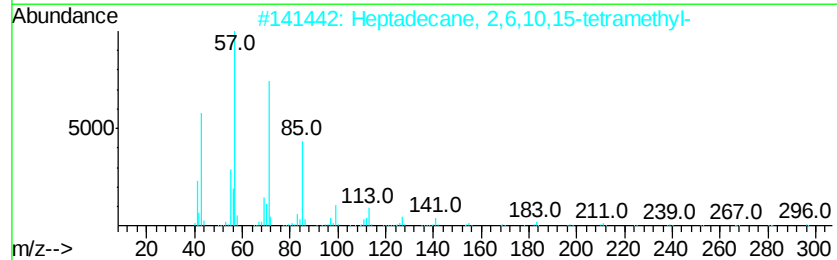
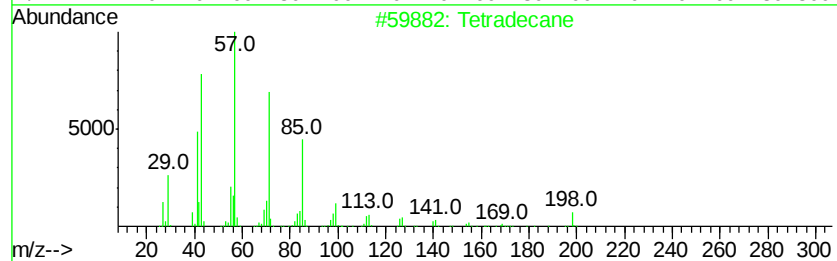
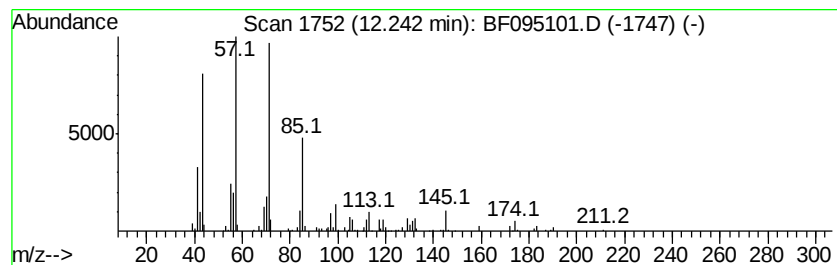
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Tetradecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	12.87 ng	484347	Acenaphthene-d10	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tetradecane	198 C14H30	000629-59-4 80
2		Heptadecane, 2,6,10,15-tetramethyl-	296 C21H44	054833-48-6 72
3		Hexadecane	226 C16H34	000544-76-3 72
4		Tetracosane	338 C24H50	000646-31-1 72
5		Tridecane, 1-iodo-	310 C13H27I	035599-77-0 72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095101.D
Acq On : 12 May 2017 3:05
Operator : SJ/MA
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Instrument :
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ClientSampleId :
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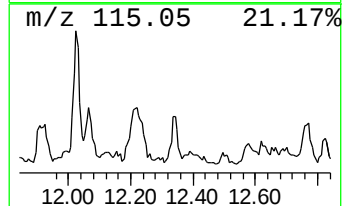
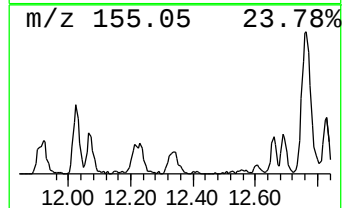
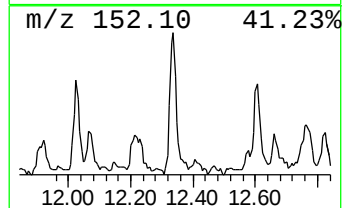
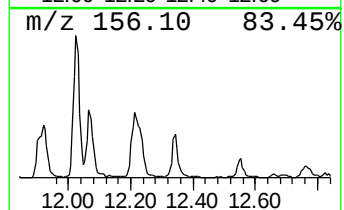
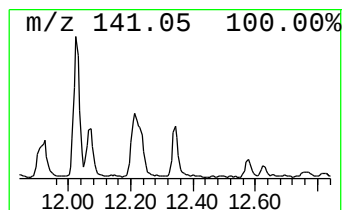
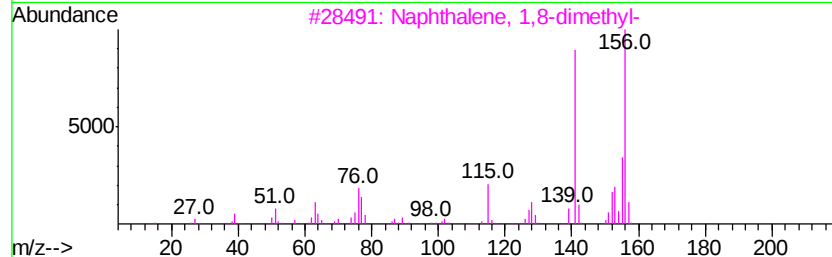
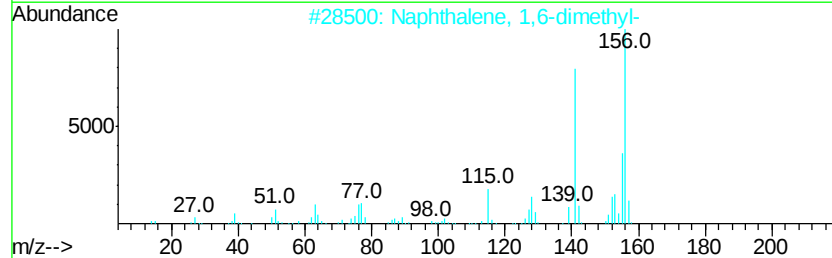
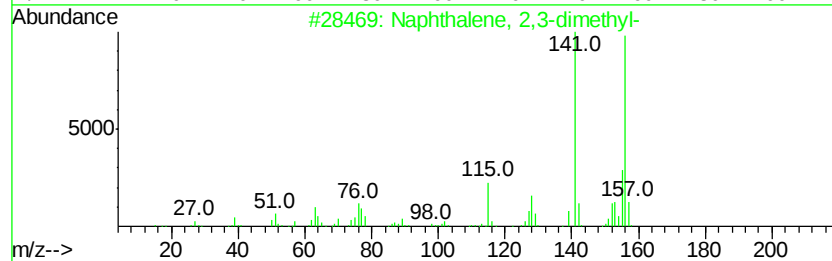
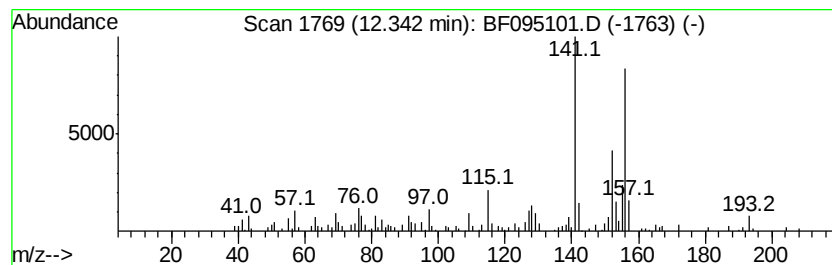
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Naphthalene, 1,8-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	5.67 ng	213541	Acenaphthene-d10	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3		Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	97
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051117\
Data File : BF095101.D
Acq On : 12 May 2017 3:05
Operator : SJ/MA
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ALS Vial : 22 Sample Multiplier: 1

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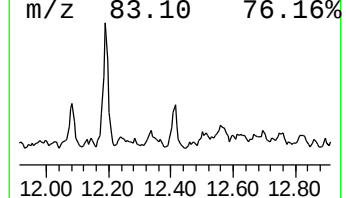
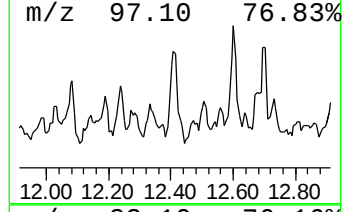
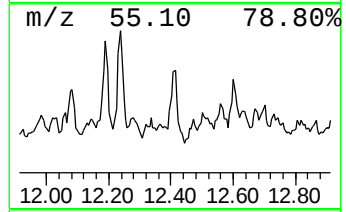
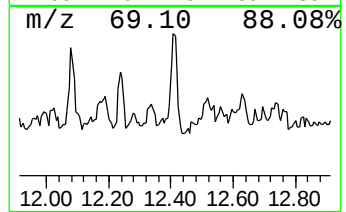
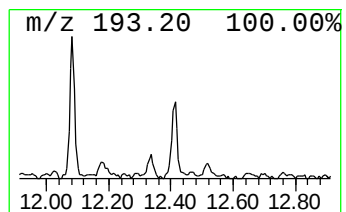
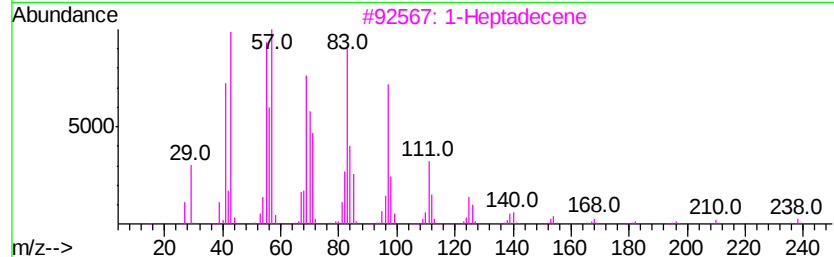
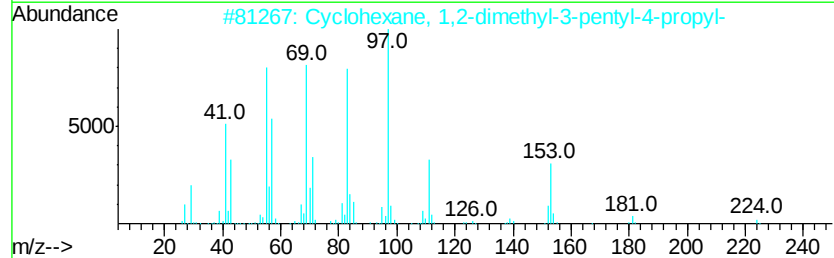
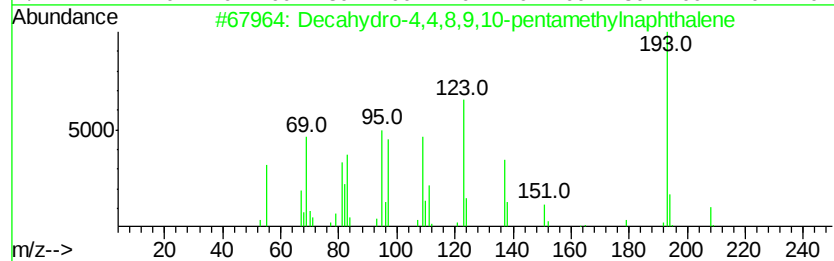
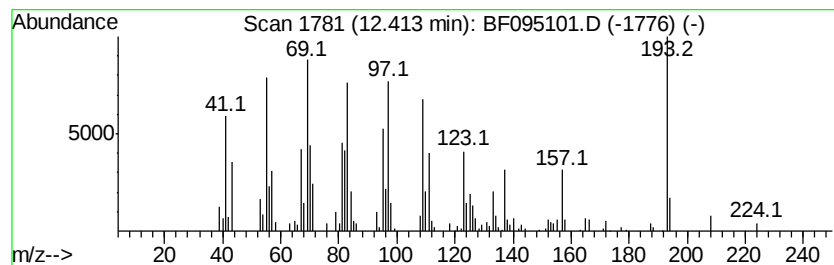
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Decahydro-4,4,8,9,10-pentam... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	7.01 ng	263993	Acenaphthene-d10	12.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	50
2			Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	30
3			1-Heptadecene	238	C17H34	006765-39-5	27
4			2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	25
5			Pyrimido(5,4-e)-as-triazine-5,7(...	193	C7H7N5O2	000084-82-2	18



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
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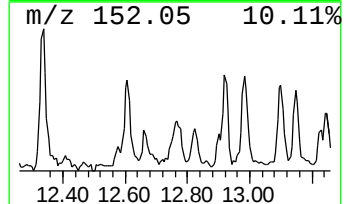
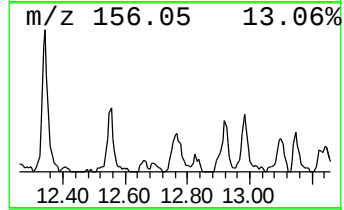
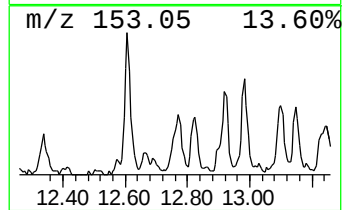
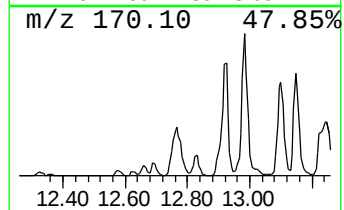
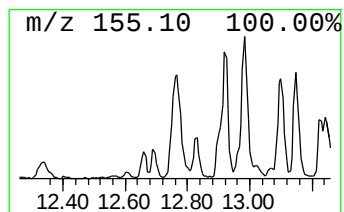
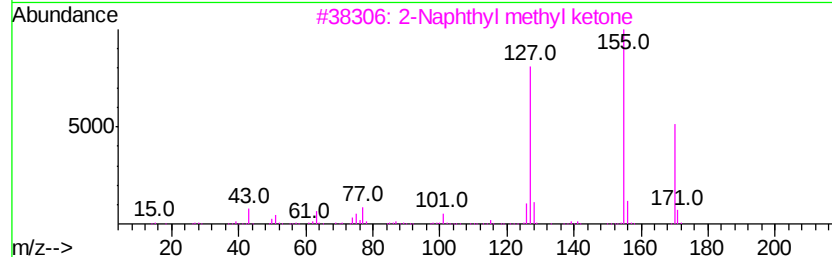
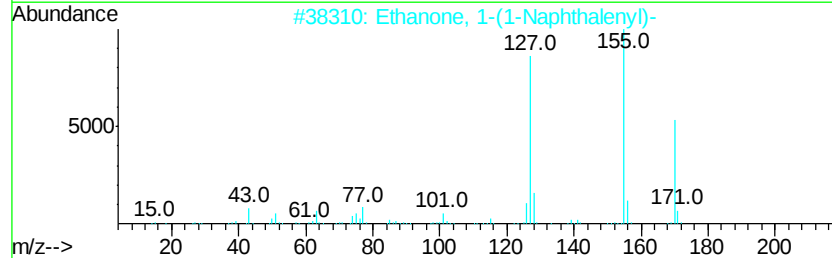
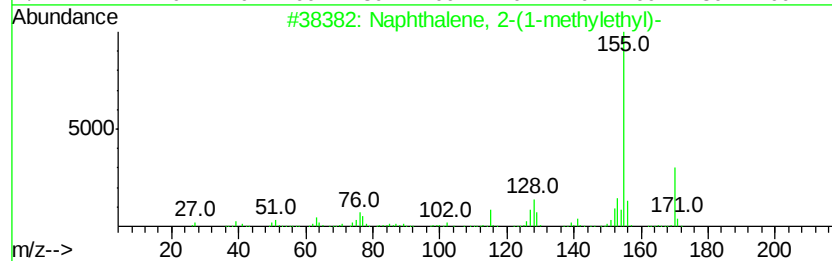
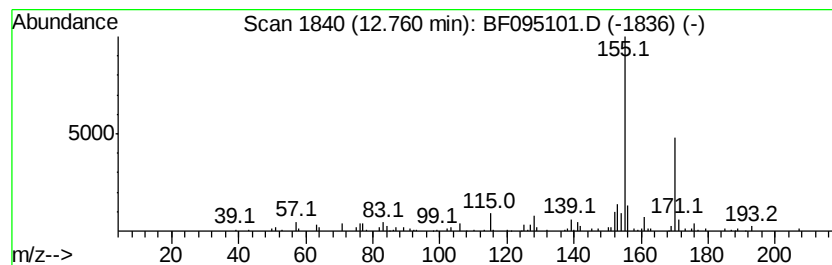
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphthalene, 2-(1-methyleth... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	4.63 ng	174413	Acenaphthene-d10	12.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
2			Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	64
3			2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	64
4			Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	64
5			Dimethyl phenylphosphonite	170	C8H11O2P	002946-61-4	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
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Operator : SJ/MA
Sample : I3037-11 40X
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ALS Vial : 22 Sample Multiplier: 1

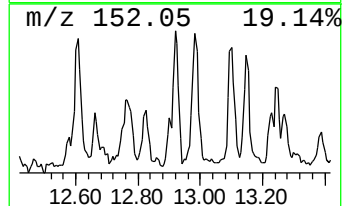
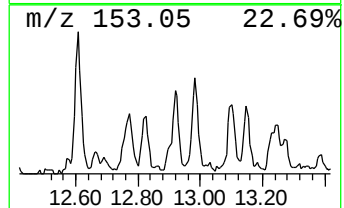
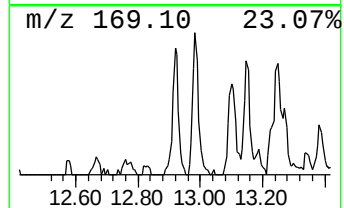
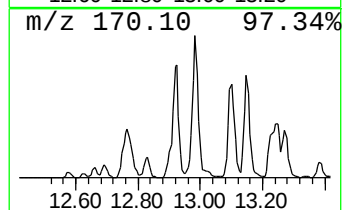
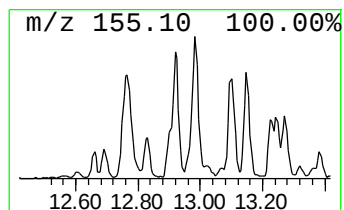
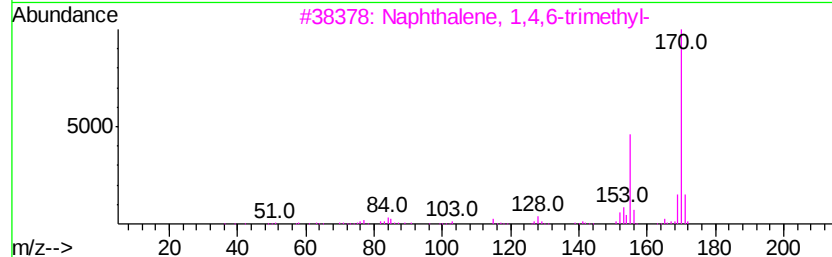
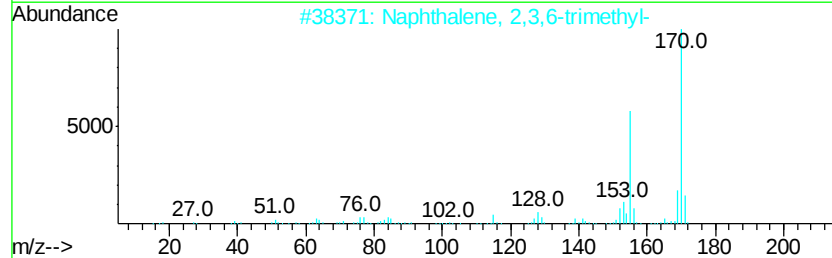
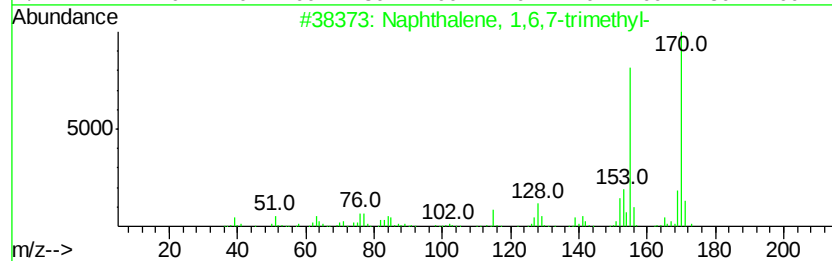
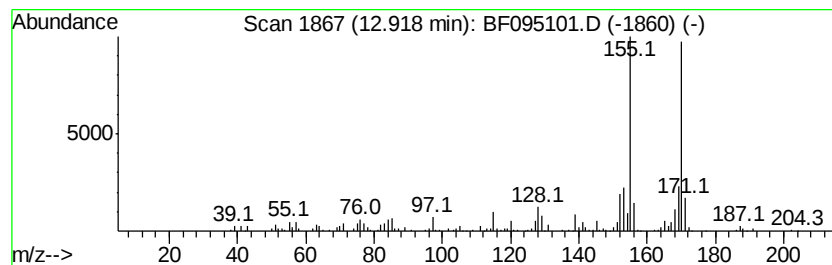
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ClientSampleId :
HY-SB423A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Naphthalene, 1,6,7-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.92	8.52 ng	320567	Acenaphthene-d10		12.55
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095101.D
Acq On : 12 May 2017 3:05
Operator : SJ/MA
Sample : I3037-11 40X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HY-SB423A

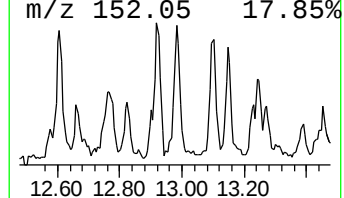
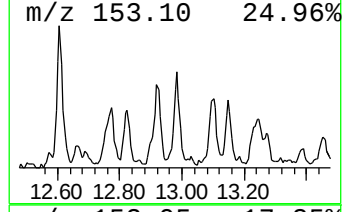
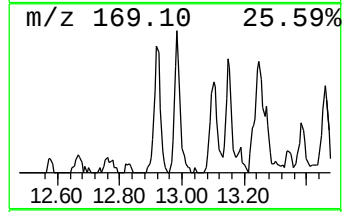
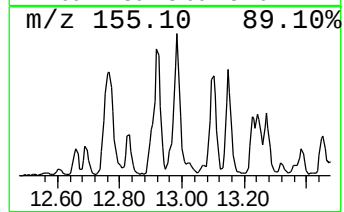
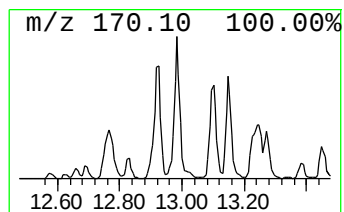
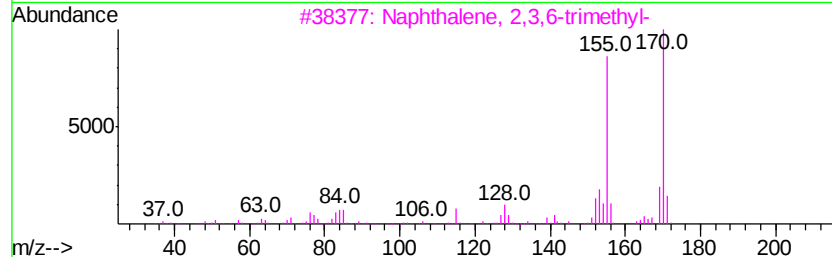
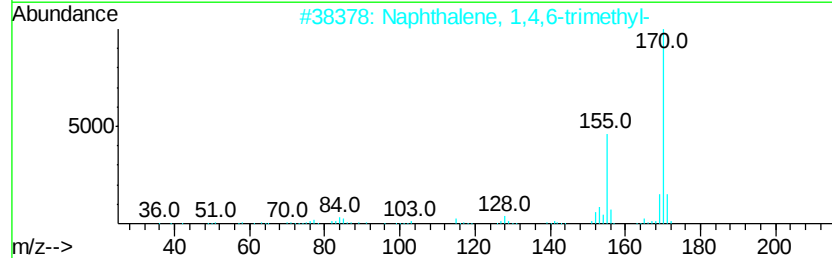
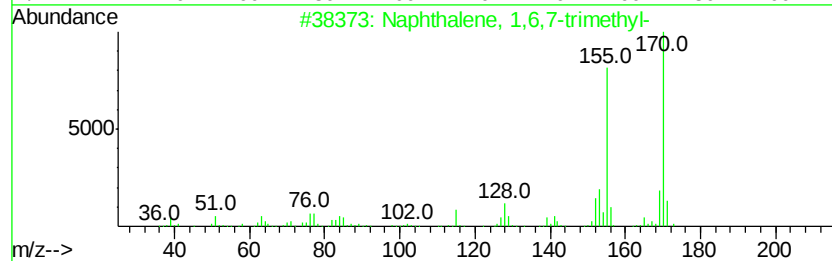
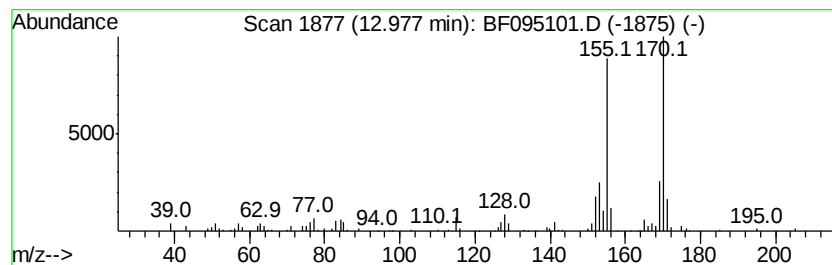
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Naphthalene, 1,4,6-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	6.72 ng	252923	Acenaphthene-d10	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4		1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	91
5		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095101.D
Acq On : 12 May 2017 3:05
Operator : SJ/MA
Sample : I3037-11 40X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HY-SB423A

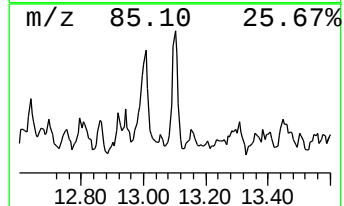
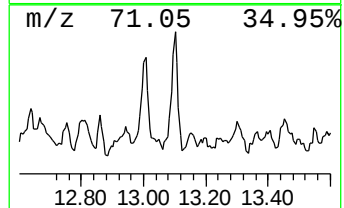
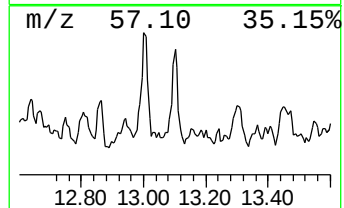
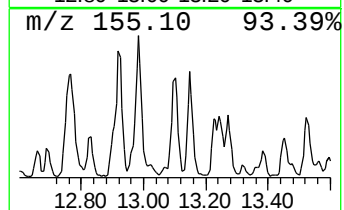
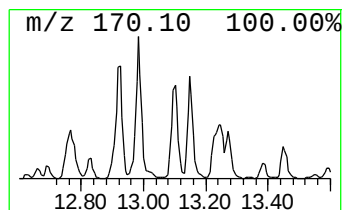
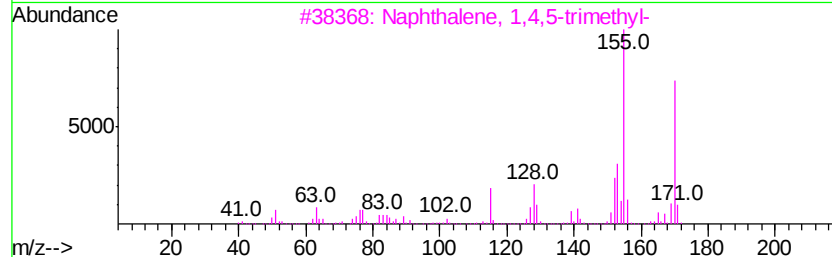
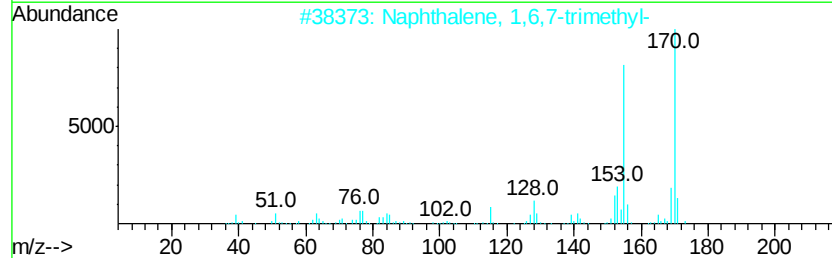
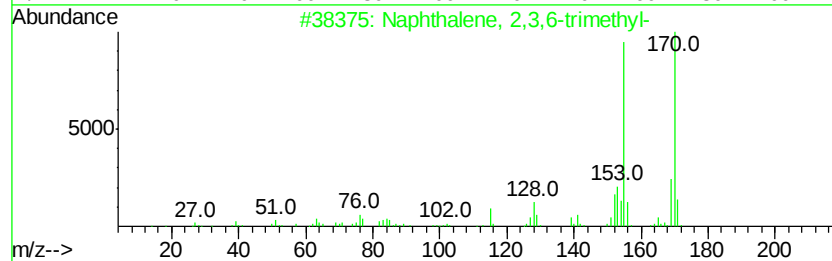
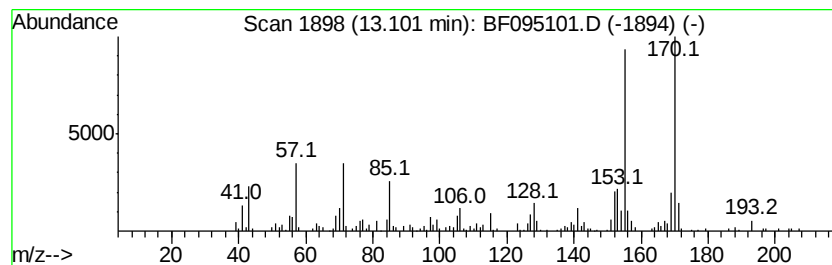
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	7.88 ng	296697	Acenaphthene-d10	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
4		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
5		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095101.D
Acq On : 12 May 2017 3:05
Operator : SJ/MA
Sample : I3037-11 40X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HY-SB423A

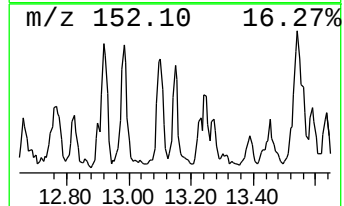
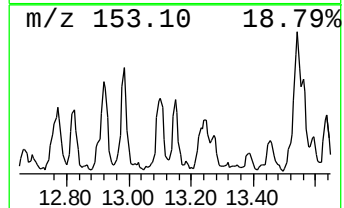
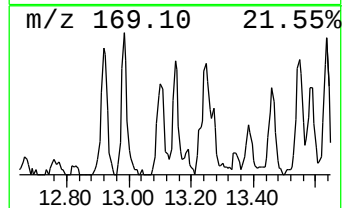
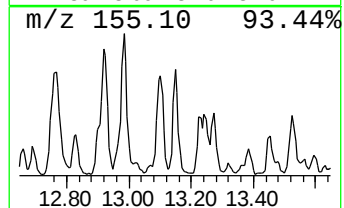
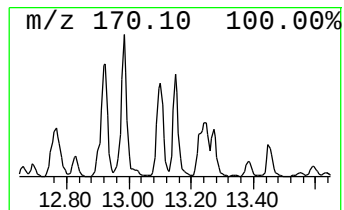
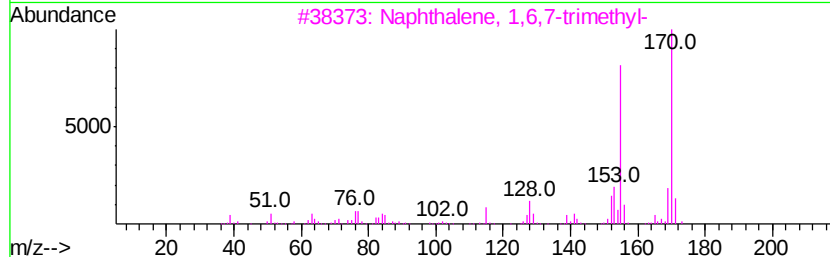
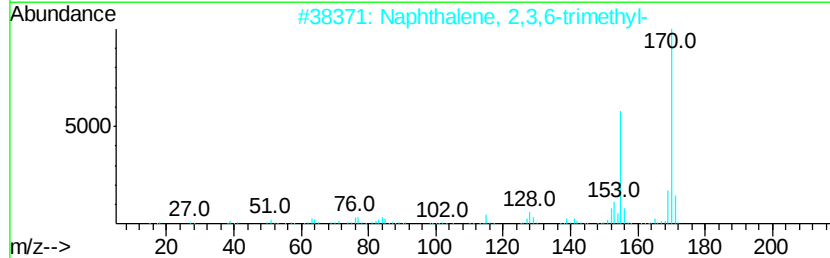
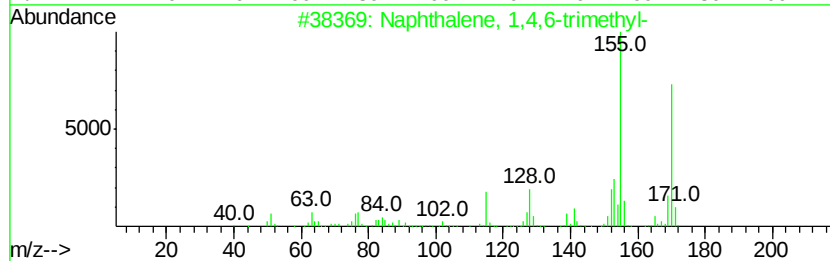
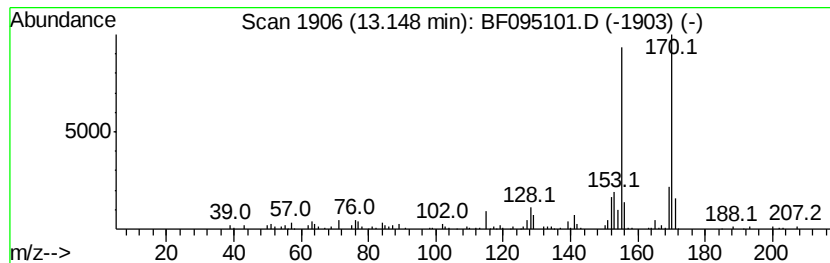
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 1-(2,2-Dimethylcyclopropyl)... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	3.93 ng	148003	Acenaphthene-d10	12.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4			1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	93
5			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051117\
Data File : BF095101.D
Acq On : 12 May 2017 3:05
Operator : SJ/MA
Sample : I3037-11 40X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HY-SB423A

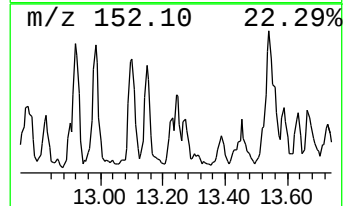
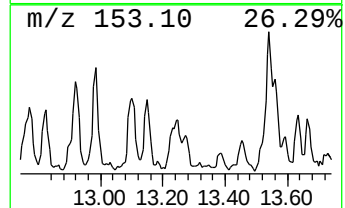
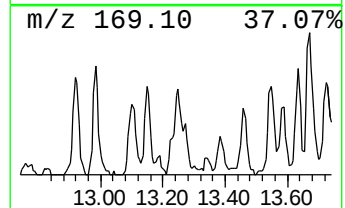
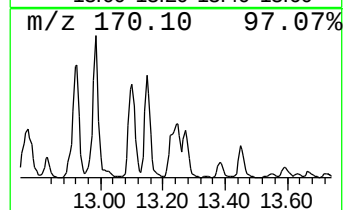
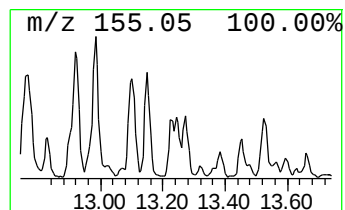
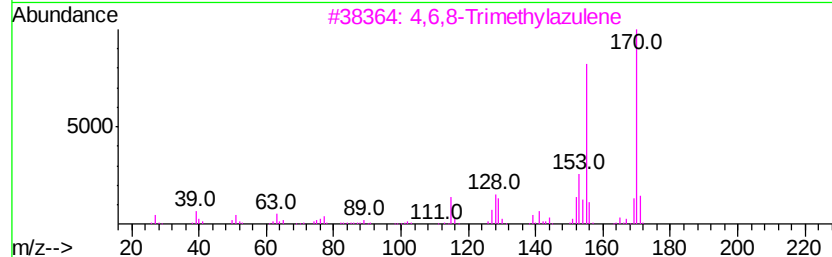
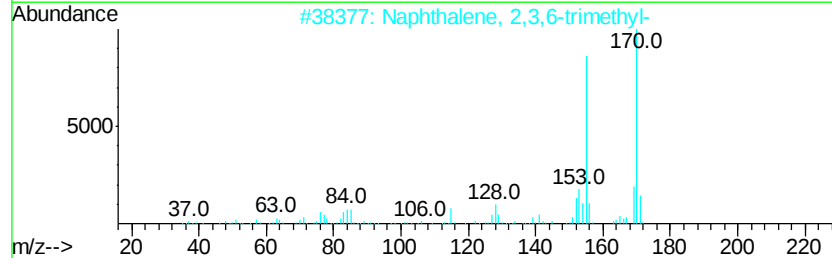
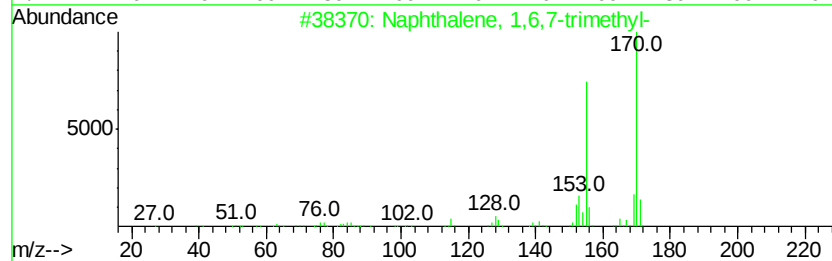
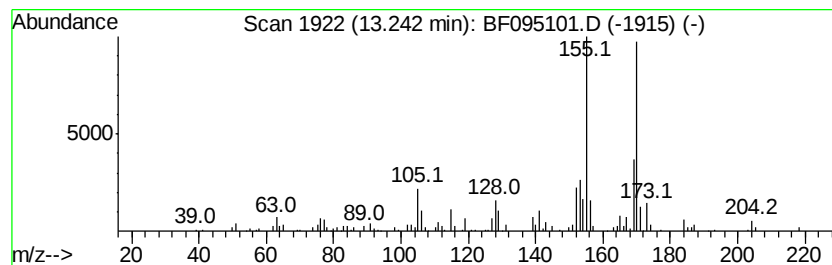
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 4,6,8-Trimethylazulene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	5.00 ng	188350	Acenaphthene-d10	12.55

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	93
3		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90
5		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051117\
 Data File : BF095101.D
 Acq On : 12 May 2017 3:05
 Operator : SJ/MA
 Sample : I3037-11 40X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB423A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Octane, 2,6-dimet...	10.52	6.3	ng	291022	2	9.72	929126	20.0
Naphthalene, 1,2,...	11.73	4.5	ng	171129	3	12.55	752788	20.0
Naphthalene, 1,6-...	11.92	5.7	ng	214929	3	12.55	752788	20.0
Naphthalene, 2,3-...	12.02	7.5	ng	283431	3	12.55	752788	20.0
unknown12.08	12.08	7.7	ng	289954	3	12.55	752788	20.0
Tetradecane	12.24	12.9	ng	484347	3	12.55	752788	20.0
Naphthalene, 1,8-...	12.34	5.7	ng	213541	3	12.55	752788	20.0
Decahydro-4,4,8,9...	12.41	7.0	ng	263993	3	12.55	752788	20.0
Naphthalene, 2-(1...	12.76	4.6	ng	174413	3	12.55	752788	20.0
Naphthalene, 1,6,...	12.92	8.5	ng	320567	3	12.55	752788	20.0
Naphthalene, 1,4,...	12.98	6.7	ng	252923	3	12.55	752788	20.0
Naphthalene, 2,3,...	13.10	7.9	ng	296697	3	12.55	752788	20.0
1-(2,2-Dimethylcy...	13.15	3.9	ng	148003	3	12.55	752788	20.0
4,6,8-Trimethylaz...	13.24	5.0	ng	188350	3	12.55	752788	20.0