

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051017\
 Data File : BF095070.D
 Acq On : 10 May 2017 22:46
 Operator : SJ/MA
 Sample : I3037-05 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB408A

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	5.566	614	617	619	rBV	69159	42377	5.35%	0.343%
2	5.654	629	632	634	rVB2	33247	34852	4.40%	0.282%
3	5.701	637	640	658	rBV3	32300	114420	14.43%	0.927%
4	7.313	910	914	925	rBV2	34180	105821	13.35%	0.858%
5	7.395	925	928	943	rVB	75407	189802	23.94%	1.538%
6	7.707	977	981	991	rBV	349917	479761	60.52%	3.888%
7	7.942	1017	1021	1035	rBV	119495	178060	22.46%	1.443%
8	8.630	1135	1138	1145	rBV4	28599	67400	8.50%	0.546%
9	8.966	1190	1195	1199	rBV3	29357	41054	5.18%	0.333%
10	9.148	1221	1226	1232	rVV7	30479	59271	7.48%	0.480%
11	9.313	1251	1254	1262	rBV4	21061	34037	4.29%	0.276%
12	9.436	1267	1275	1279	rVB8	14699	32883	4.15%	0.266%
13	9.725	1316	1324	1332	rBV	515395	792709	100.00%	6.424%
14	9.825	1336	1341	1348	rVB8	27404	69364	8.75%	0.562%
15	9.936	1356	1360	1364	rVB	106418	127929	16.14%	1.037%
16	10.013	1369	1373	1379	rVB5	28969	42426	5.35%	0.344%
17	10.089	1379	1386	1390	rBV5	47408	83261	10.50%	0.675%
18	10.207	1403	1406	1411	rVB4	35818	49286	6.22%	0.399%
19	10.260	1411	1415	1419	rBV4	47351	77177	9.74%	0.625%
20	10.348	1426	1430	1434	rBV5	23466	35650	4.50%	0.289%
21	10.519	1455	1459	1462	rBV2	115005	123245	15.55%	0.999%
22	10.642	1475	1480	1483	rBV5	25487	42317	5.34%	0.343%
23	10.813	1506	1509	1513	rVB6	23319	33801	4.26%	0.274%
24	10.948	1529	1532	1535	rVB	38858	44008	5.55%	0.357%
25	11.054	1543	1550	1553	rBV6	47928	86457	10.91%	0.701%
26	11.089	1553	1556	1557	rBV3	33182	35029	4.42%	0.284%
27	11.260	1581	1585	1589	rBV2	54765	71511	9.02%	0.579%
28	11.495	1622	1625	1630	rBV2	230702	278024	35.07%	2.253%
29	11.595	1639	1642	1647	rBV2	31363	38869	4.90%	0.315%
30	11.730	1657	1665	1670	rBV4	77738	157856	19.91%	1.279%
31	11.795	1670	1676	1679	rBV7	34156	74889	9.45%	0.607%
32	11.913	1692	1696	1698	rBV5	28145	41842	5.28%	0.339%
33	11.983	1702	1708	1712	rVV8	29302	72912	9.20%	0.591%
34	12.030	1713	1716	1719	rVV2	76591	103882	13.10%	0.842%

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Integration Parameters: rteint.p
 Integrator: RTE
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.060	1719	1721	1723	rVV3	32335	39865	5.03%	0.323%
36	12.083	1723	1725	1732	rVB4	67026	95492	12.05%	0.774%
37	12.195	1741	1744	1748	rBV3	50769	96306	12.15%	0.780%
38	12.242	1748	1752	1756	rVB	210941	263278	33.21%	2.134%
39	12.336	1764	1768	1773	rBV3	58624	104521	13.19%	0.847%
40	12.413	1778	1781	1788	rVB3	99146	134779	17.00%	1.092%
41	12.554	1801	1805	1811	rVV2	530111	728826	91.94%	5.906%
42	12.607	1812	1814	1823	rVB5	45044	74568	9.41%	0.604%
43	12.766	1836	1841	1847	rVB3	38332	78294	9.88%	0.634%
44	12.824	1848	1851	1856	rVB4	38346	56045	7.07%	0.454%
45	12.924	1863	1868	1872	rBV2	67524	85986	10.85%	0.697%
46	12.989	1876	1879	1888	rVB2	77455	128656	16.23%	1.043%
47	13.107	1895	1899	1903	rVB2	112839	160164	20.20%	1.298%
48	13.154	1904	1907	1911	rVB	55460	64510	8.14%	0.523%
49	13.248	1916	1923	1926	rBV5	44385	94310	11.90%	0.764%
50	13.277	1926	1928	1931	rVV3	36969	43117	5.44%	0.349%
51	13.307	1931	1933	1938	rVB5	25630	35711	4.50%	0.289%
52	13.460	1955	1959	1966	rVB4	64022	125022	15.77%	1.013%
53	13.548	1967	1974	1979	rBV4	53870	115665	14.59%	0.937%
54	13.589	1979	1981	1987	rVV6	29300	46595	5.88%	0.378%
55	13.760	2004	2010	2014	rVB	126828	205295	25.90%	1.664%
56	13.871	2025	2029	2036	rBV7	63331	138931	17.53%	1.126%
57	14.083	2062	2065	2070	rVB2	40524	54812	6.91%	0.444%
58	14.195	2079	2084	2089	rBV2	210438	297357	37.51%	2.410%
59	14.336	2105	2108	2110	rVV4	25193	34799	4.39%	0.282%
60	14.360	2110	2112	2115	rVV3	34819	45626	5.76%	0.370%
61	14.395	2115	2118	2125	rVB4	49167	70539	8.90%	0.572%
62	14.536	2139	2142	2146	rVB4	31970	42554	5.37%	0.345%
63	14.583	2146	2150	2154	rBV6	31155	49047	6.19%	0.397%
64	14.954	2208	2213	2218	rBV	530852	778016	98.15%	6.305%
65	14.995	2218	2220	2230	rVB	73179	104456	13.18%	0.846%
66	15.089	2233	2236	2239	rVV2	42237	46733	5.90%	0.379%
67	15.177	2246	2251	2254	rBV	38330	65115	8.21%	0.528%
68	15.489	2300	2304	2309	rBV5	49839	82075	10.35%	0.665%
69	15.742	2344	2347	2352	rBV	82476	113049	14.26%	0.916%
70	15.789	2352	2355	2363	rVB	70745	100620	12.69%	0.815%
71	15.859	2363	2367	2370	rBV	37179	46245	5.83%	0.375%

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72	15.895	2370	2373	2376	rVV2	91643	121982	15.39%	0.988%
73	15.936	2377	2380	2386	rVB2	76707	109893	13.86%	0.891%
74	16.183	2419	2422	2427	rBV2	36384	54399	6.86%	0.441%
75	16.395	2456	2458	2463	rVB2	29326	36156	4.56%	0.293%
76	16.442	2463	2466	2469	rBV	29337	33533	4.23%	0.272%
77	16.536	2479	2482	2486	rBV	96719	137282	17.32%	1.112%
78	16.583	2487	2490	2493	rVB3	34253	47836	6.03%	0.388%
79	16.659	2500	2503	2508	rVB4	44003	69819	8.81%	0.566%
80	16.748	2514	2518	2522	rBV	87277	112657	14.21%	0.913%
81	16.883	2538	2541	2546	rVB	37235	42005	5.30%	0.340%
82	17.042	2565	2568	2577	rVB	245591	284906	35.94%	2.309%
83	17.165	2586	2589	2593	rVB	31459	36345	4.58%	0.295%
84	17.283	2605	2609	2618	rVB	251937	309942	39.10%	2.512%
85	17.365	2618	2623	2632	rBV6	31986	73558	9.28%	0.596%
86	17.483	2638	2643	2645	rBV5	26728	50088	6.32%	0.406%
87	17.512	2645	2648	2654	rVB2	50137	68235	8.61%	0.553%
88	17.601	2660	2663	2666	rVB	30789	36847	4.65%	0.299%
89	17.642	2666	2670	2678	rBV3	50216	66716	8.42%	0.541%
90	17.753	2686	2689	2694	rBV	42168	53003	6.69%	0.430%
91	17.801	2694	2697	2705	rVB3	33486	51433	6.49%	0.417%
92	18.630	2832	2838	2842	rBV	566578	757049	95.50%	6.135%
93	19.142	2919	2925	2930	rBV	33467	48100	6.07%	0.390%
94	19.906	3051	3055	3058	rBV	46727	70364	8.88%	0.570%
95	20.018	3070	3074	3082	rBV4	19426	33440	4.22%	0.271%
96	20.189	3099	3103	3109	rBV	84490	94497	11.92%	0.766%
97	20.247	3109	3113	3117	rBV	98228	107707	13.59%	0.873%
98	20.294	3117	3121	3132	rVV2	422232	587971	74.17%	4.765%
99	21.612	3339	3345	3353	rBV2	27564	59333	7.48%	0.481%
100	21.988	3404	3409	3418	rVB	33679	75876	9.57%	0.615%

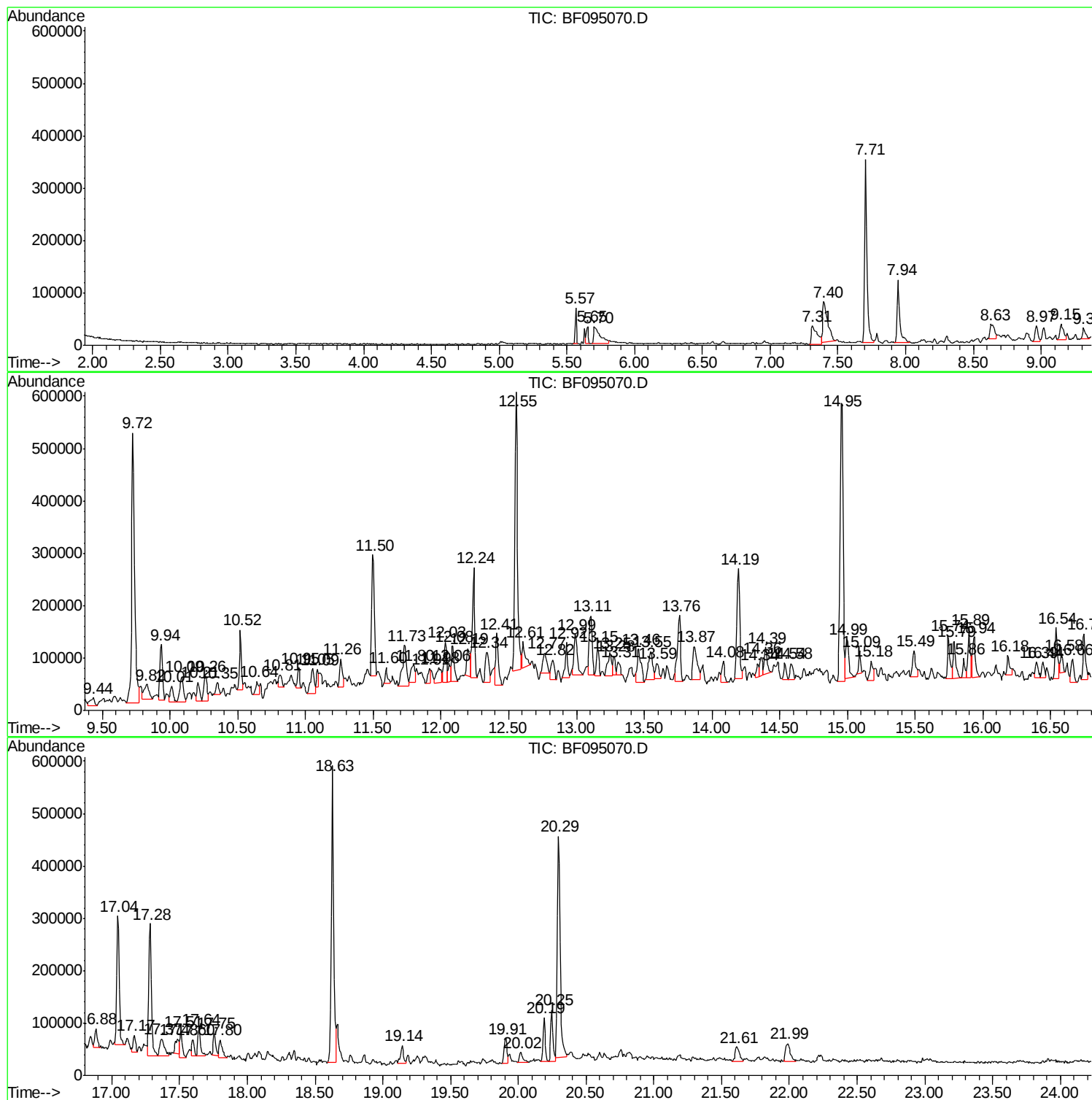
Sum of corrected areas: 12340133

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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



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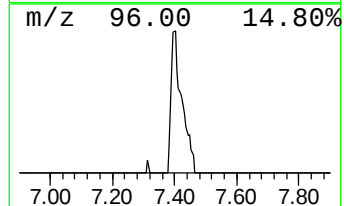
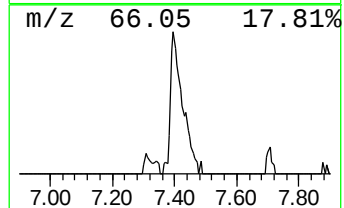
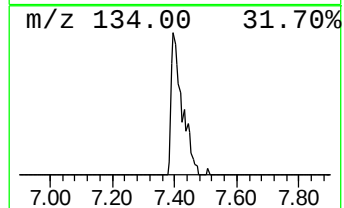
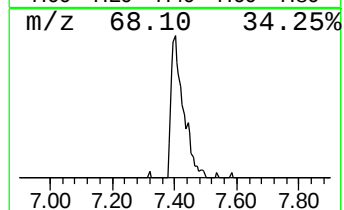
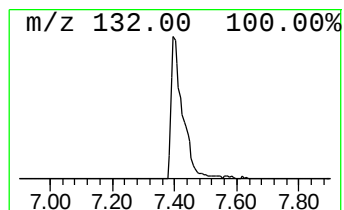
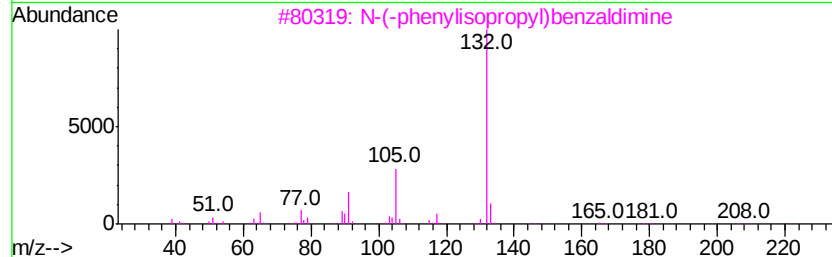
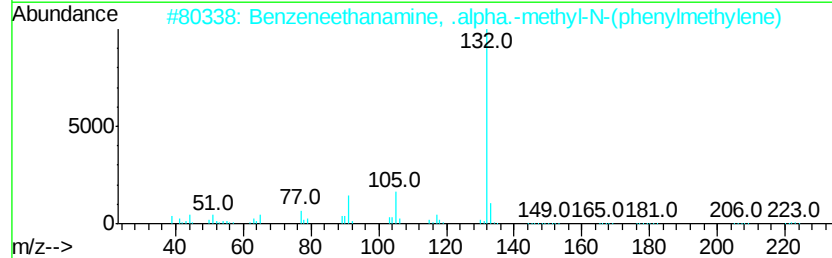
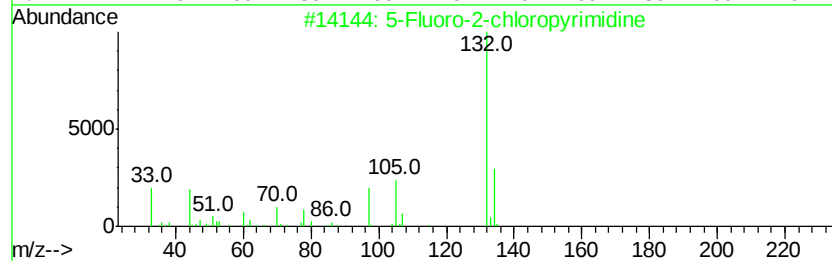
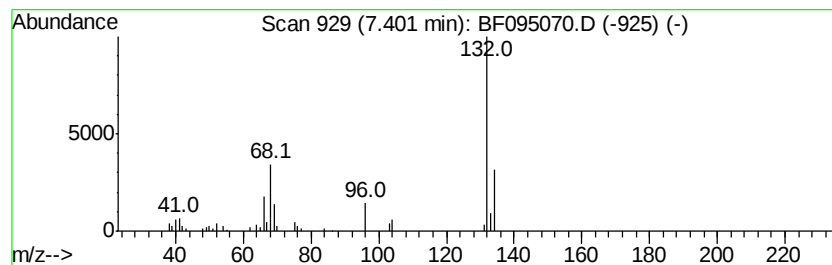
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown7.40 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	7.91 ng	189802	1,4-Dichlorobenzene-d4	7.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	17
2		Benzeneethanamine, .alpha.-methy...	223	C16H17N	002980-02-1	12
3		N-(-phenylisopropyl)benzalimine	223	C16H17N	1000379-01-3	12
4		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9



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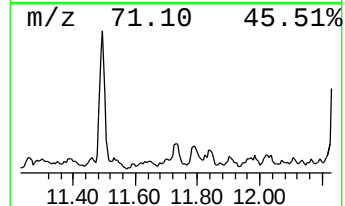
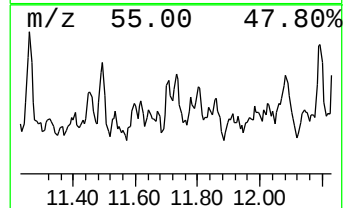
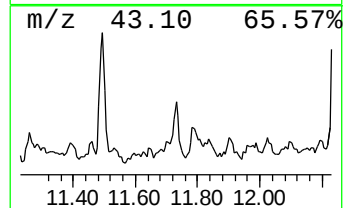
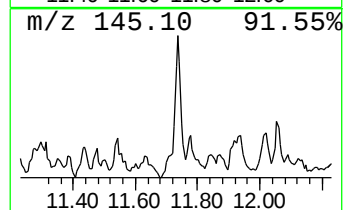
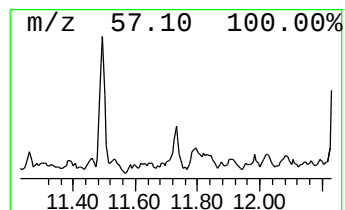
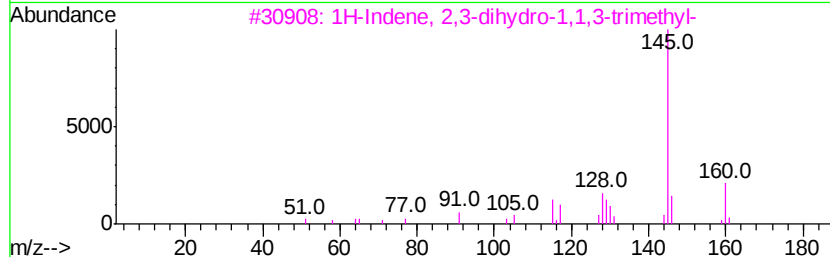
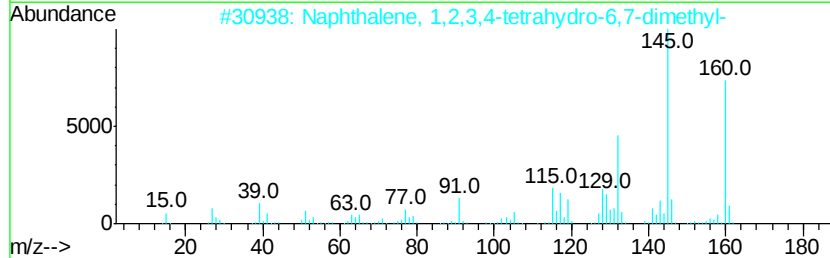
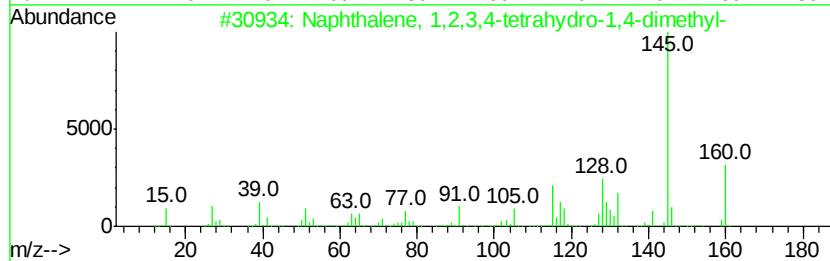
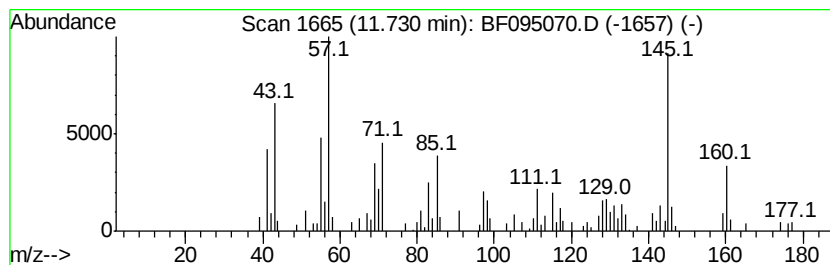
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 1,2,3,4-tetra... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	4.33 ng	157856	Acenaphthene-d10	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	60
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	50
3		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	49
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	43
5		Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	42



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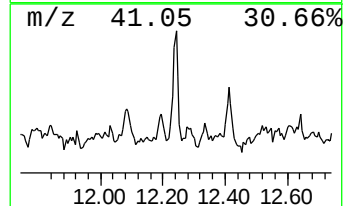
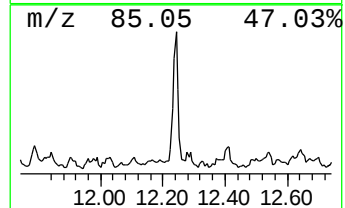
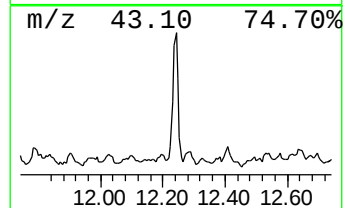
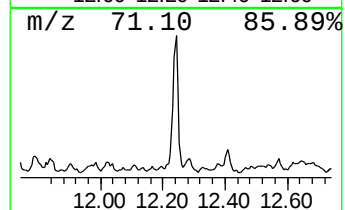
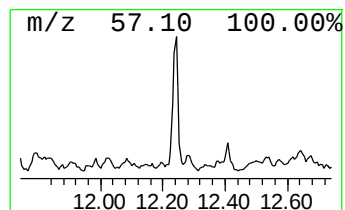
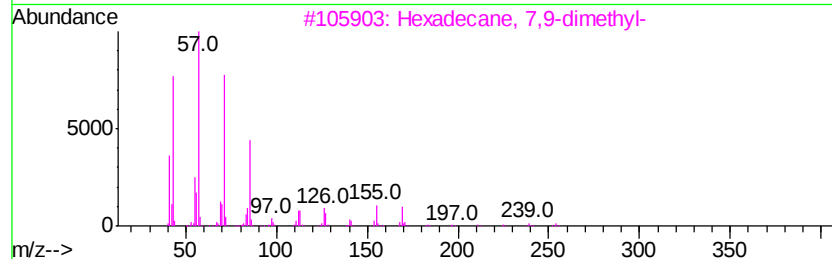
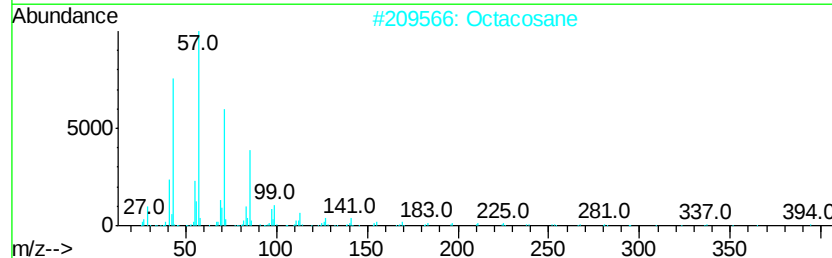
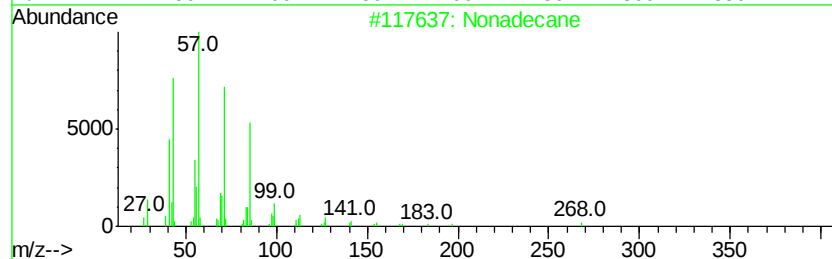
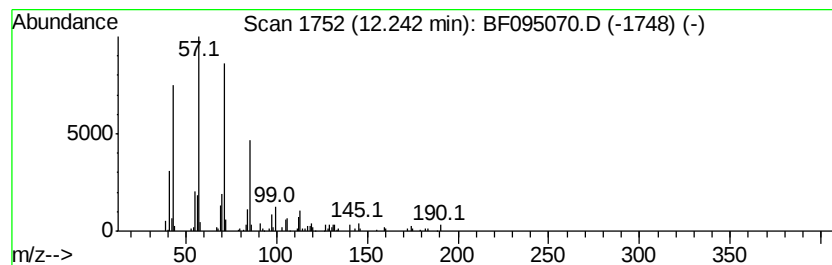
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Nonadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	7.22 ng	263278	Acenaphthene-d10	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonadecane	268 C19H40	000629-92-5	86
2	Octacosane	394 C28H58	000630-02-4	80
3	Hexadecane, 7,9-dimethyl-	254 C18H38	021164-95-4	72
4	Nonane, 5-methyl-5-propyl-	184 C13H28	017312-75-3	64
5	Undecane, 2,6-dimethyl-	184 C13H28	017301-23-4	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051017\
Data File : BF095070.D
Acq On : 10 May 2017 22:46
Operator : SJ/MA
Sample : I3037-05 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

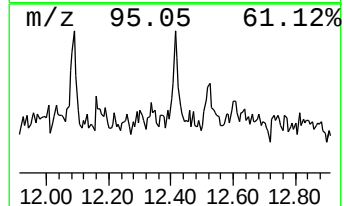
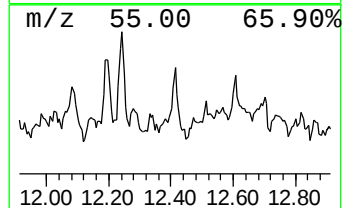
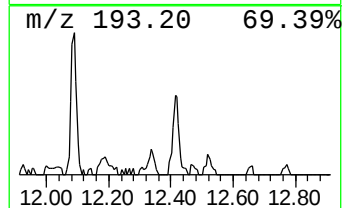
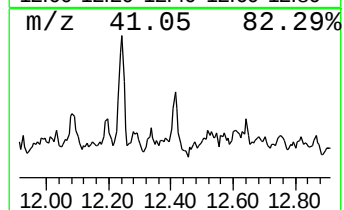
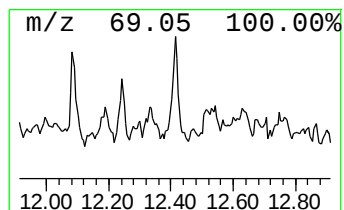
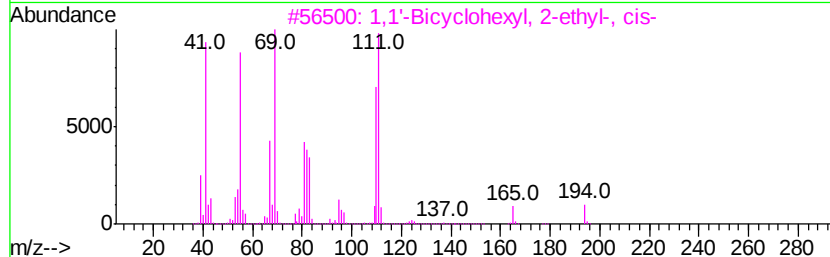
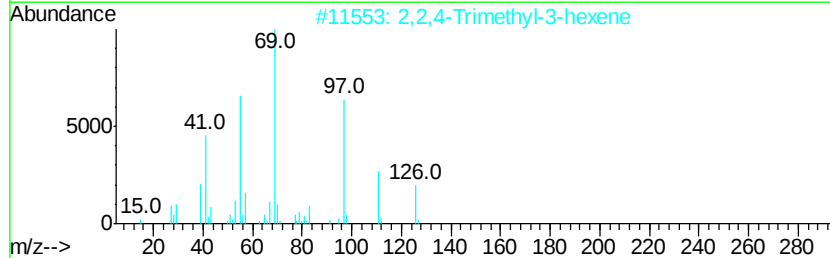
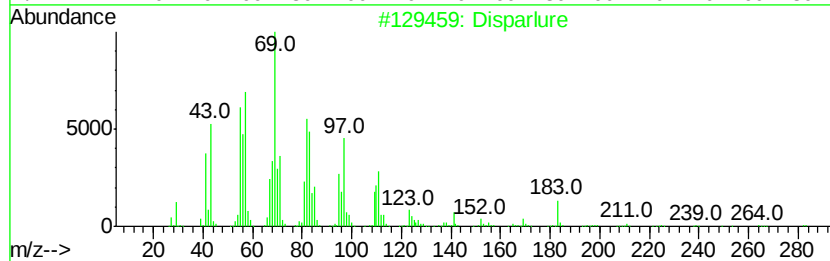
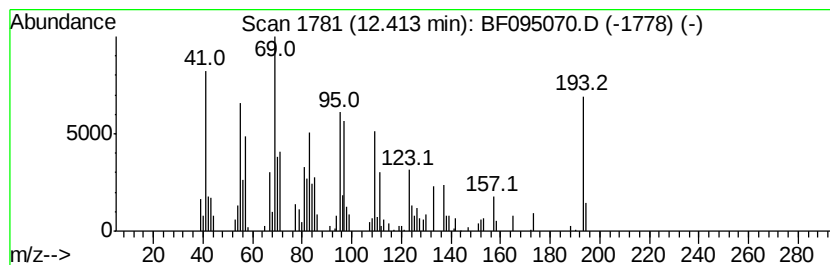
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown12.41 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.41	3.70 ng	134779	Acenaphthene-d10	12.55	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Disparlure	282	C19H38O	029804-22-6	38
2	2,2,4-Trimethyl-3-hexene	126	C9H18	059643-72-0	27
3	1,1'-Bicyclohexyl, 2-ethyl-, cis-	194	C14H26	050991-12-3	18
4	1-Docosene	308	C22H44	001599-67-3	15
5	3-n-Pentylthiolane, S,S-dioxide	190	C9H18O2S	071053-06-0	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051017\
Data File : BF095070.D
Acq On : 10 May 2017 22:46
Operator : SJ/MA
Sample : I3037-05 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HY-SB408A

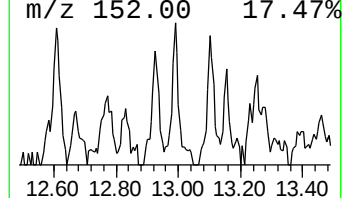
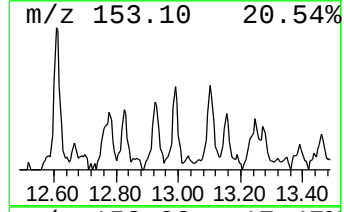
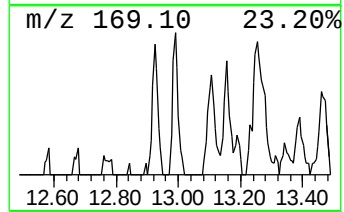
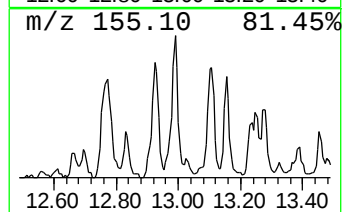
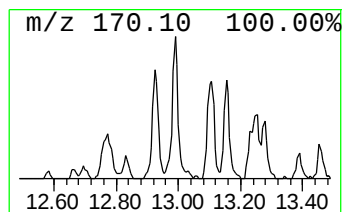
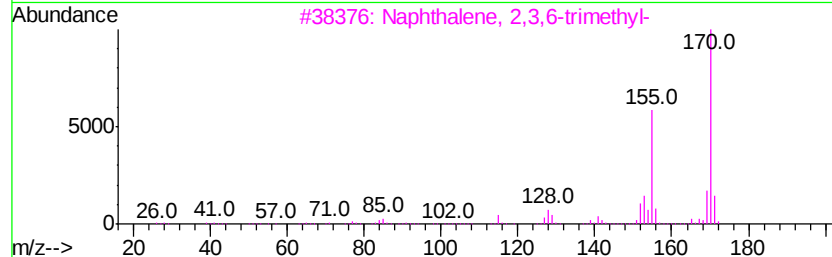
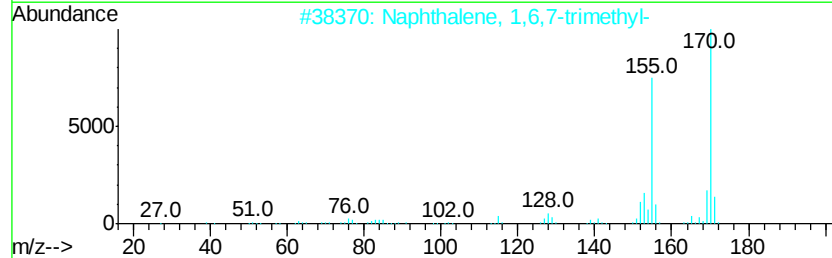
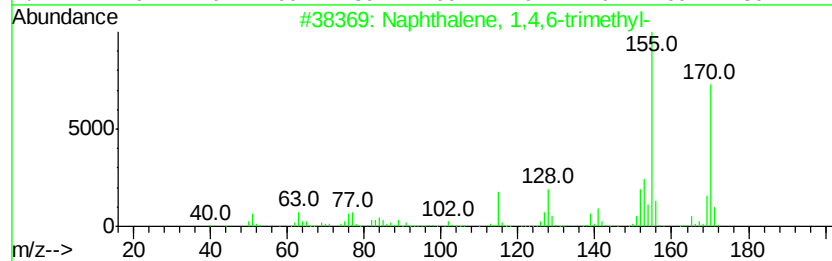
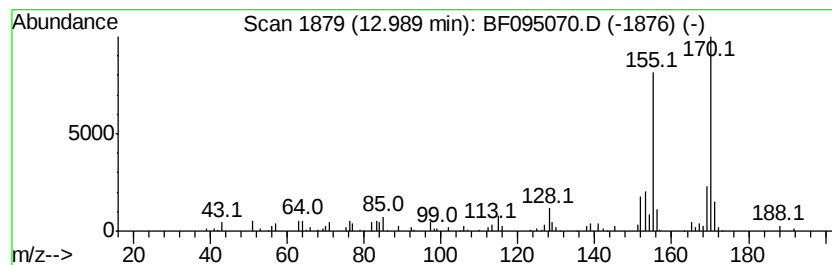
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 1,4,6-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	3.53 ng	128656	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, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5			1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051017\
Data File : BF095070.D
Acq On : 10 May 2017 22:46
Operator : SJ/MA
Sample : I3037-05 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HY-SB408A

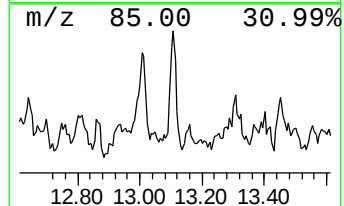
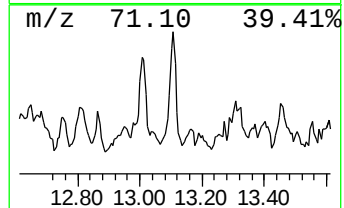
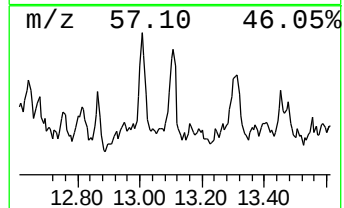
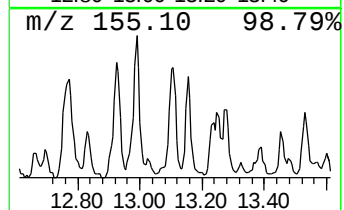
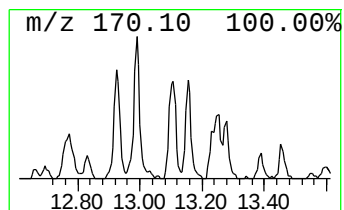
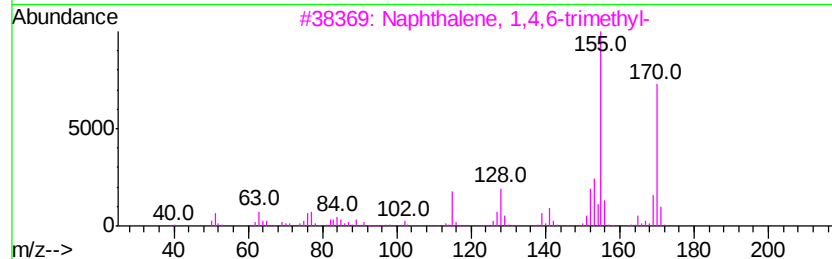
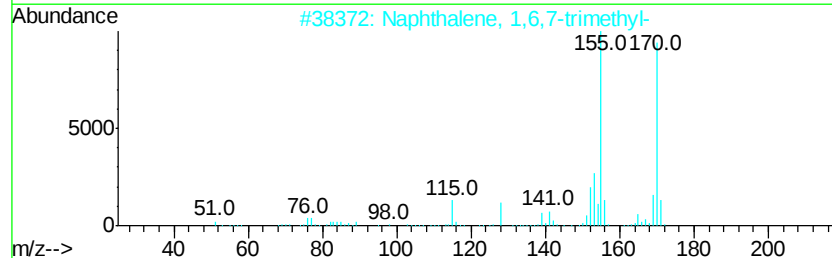
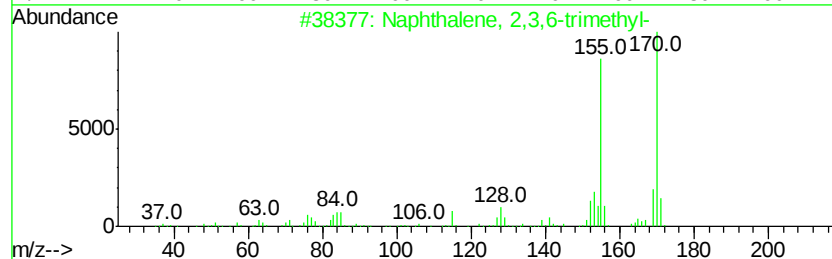
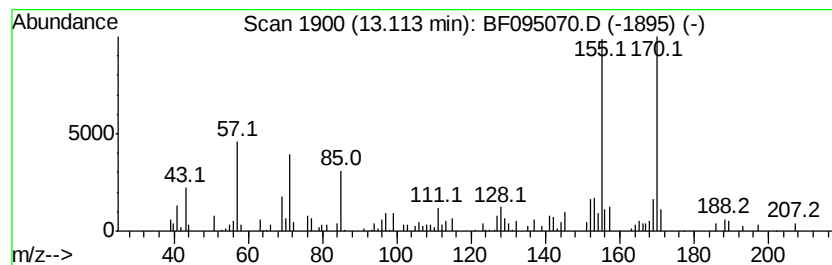
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	4.40 ng	160164	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	93
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	90
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	89
5		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051017\
Data File : BF095070.D
Acq On : 10 May 2017 22:46
Operator : SJ/MA
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Misc :
ALS Vial : 16 Sample Multiplier: 1

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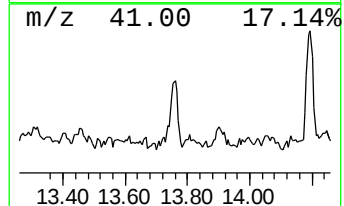
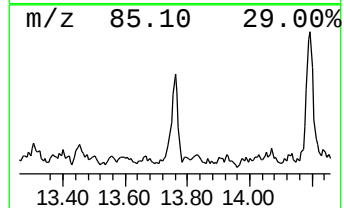
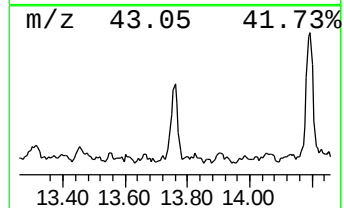
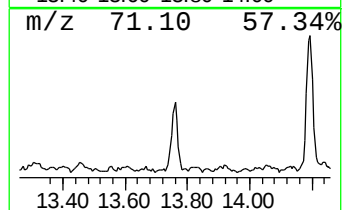
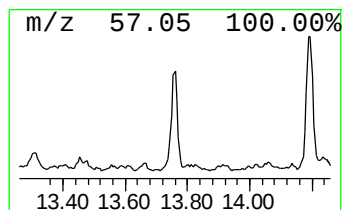
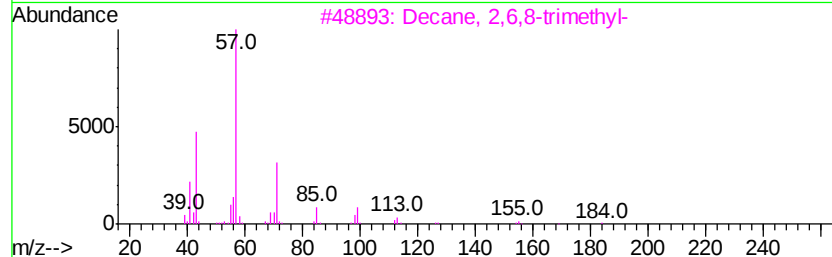
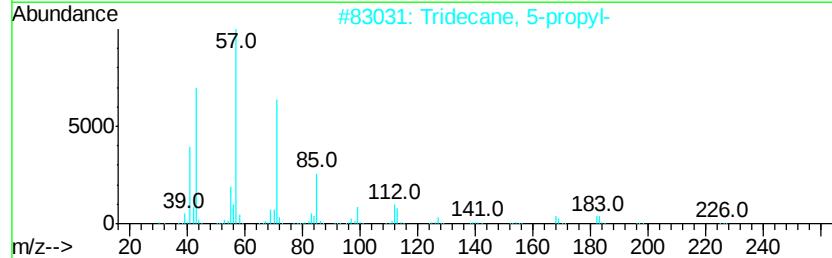
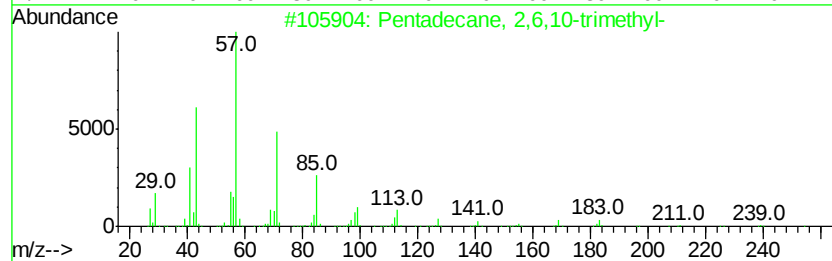
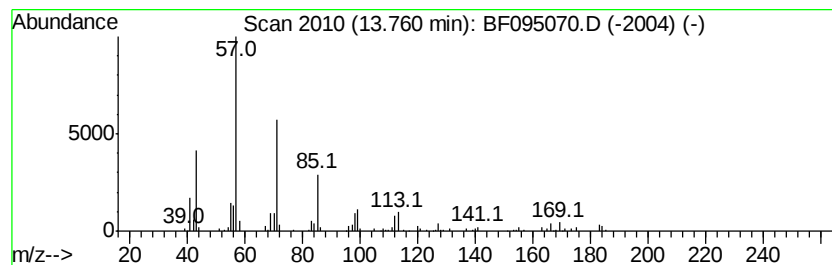
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Pentadecane, 2,6,10-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	5.28 ng	205295	Phenanthrene-d10	14.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	90
2		Tridecane, 5-propyl-	226	C16H34	055045-11-9	80
3		Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	70
4		Hexadecane	226	C16H34	000544-76-3	64
5		Heptacosane	380	C27H56	000593-49-7	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051017\
Data File : BF095070.D
Acq On : 10 May 2017 22:46
Operator : SJ/MA
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Misc :
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ClientSampleId :
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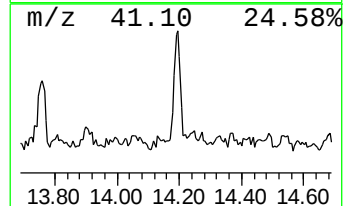
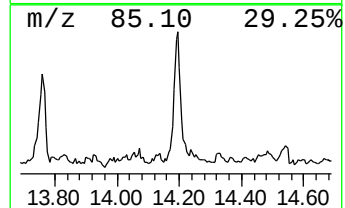
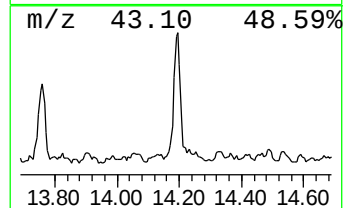
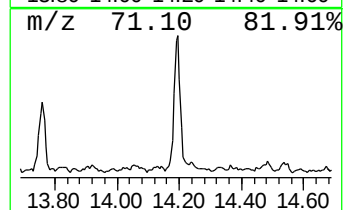
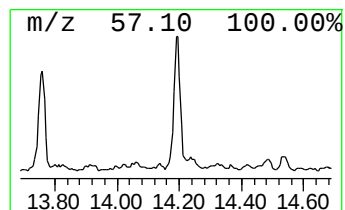
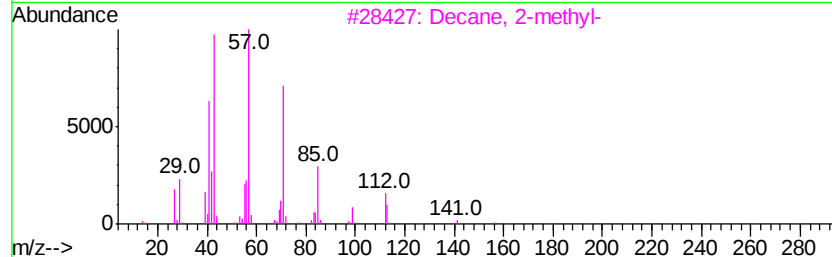
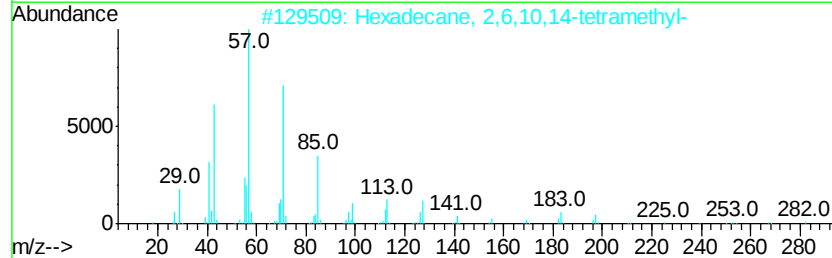
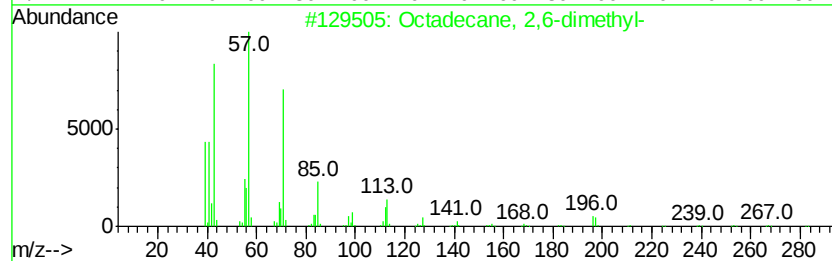
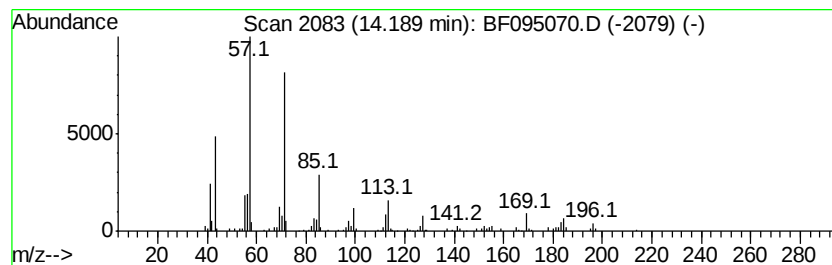
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Octadecane, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.19	7.64 ng	297357	Phenanthrene-d10	14.96

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	87
2		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83
3		Decane, 2-methyl-	156	C11H24	006975-98-0	74
4		Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	72
5		Nonane, 3-methyl-	142	C10H22	005911-04-6	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051017\
Data File : BF095070.D
Acq On : 10 May 2017 22:46
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ClientSampleId :
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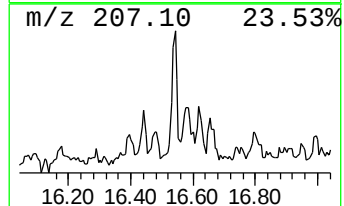
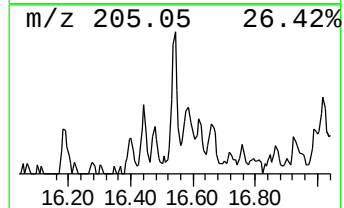
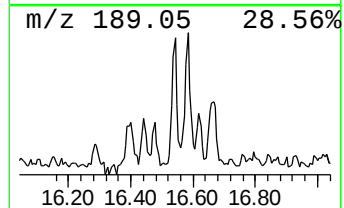
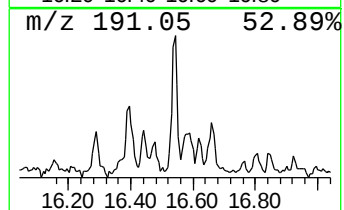
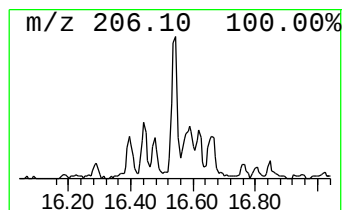
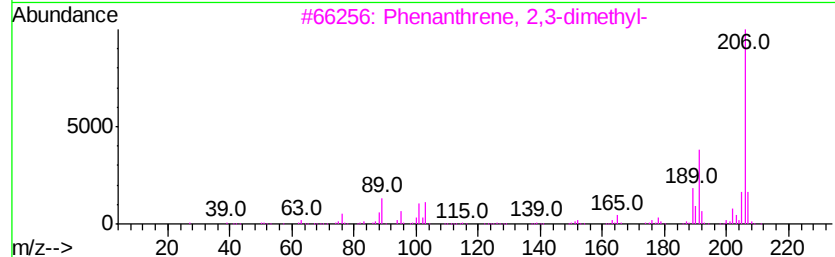
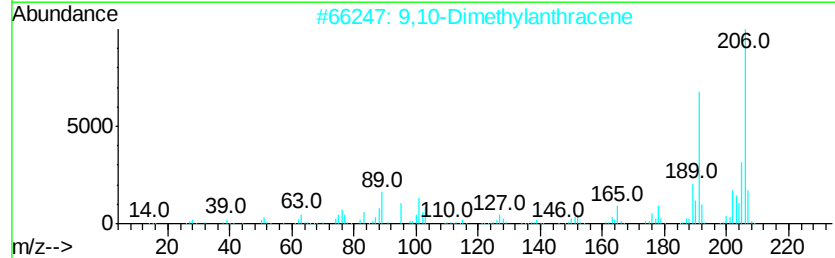
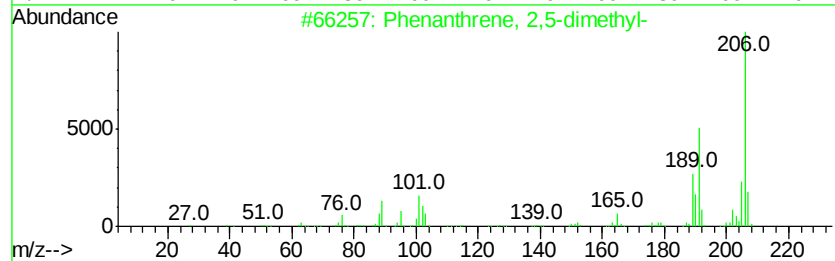
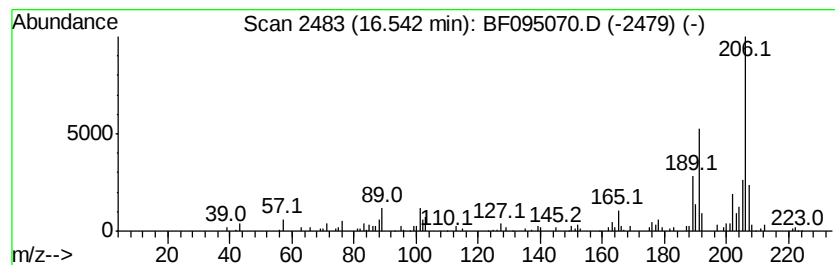
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	3.53 ng	137282	Phenanthrene-d10	14.96

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	93
3			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
5			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051017\
 Data File : BF095070.D
 Acq On : 10 May 2017 22:46
 Operator : SJ/MA
 Sample : I3037-05 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Nonadecane	12.24	7.2	ng	263278	3	12.55	728826	20.0
unknown12.41	12.41	3.7	ng	134779	3	12.55	728826	20.0
Naphthalene, 1,4,...	12.99	3.5	ng	128656	3	12.55	728826	20.0
Naphthalene, 2,3,...	13.11	4.4	ng	160164	3	12.55	728826	20.0
Pentadecane, 2,6,...	13.76	5.3	ng	205295	4	14.96	778016	20.0
Octadecane, 2,6-d...	14.19	7.6	ng	297357	4	14.96	778016	20.0
Phenanthrene, 2,5...	16.54	3.5	ng	137282	4	14.96	778016	20.0