

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097165.D
 Acq On : 28 Jul 2017 20:31
 Operator : SJ/JU
 Sample : I4466-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072617

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-BF072517.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	4.616	460	464	472	rBV	41100	59555	1.17%	0.149%
2	5.081	539	543	559	rBV	607765	755410	14.86%	1.892%
3	6.145	721	724	740	rBV	597340	793647	15.62%	1.988%
4	6.257	740	743	754	rVB	857191	772782	15.21%	1.935%
5	6.487	778	782	790	rBV	926579	812924	15.99%	2.036%
6	6.640	805	808	818	rBV	605712	529202	10.41%	1.325%
7	7.051	875	878	884	rBV	487886	426866	8.40%	1.069%
8	7.769	996	1000	1008	rBV	1270428	1096904	21.58%	2.747%
9	8.216	1073	1076	1080	rBV3	49294	54764	1.08%	0.137%
10	8.387	1101	1105	1109	rBV	116516	117853	2.32%	0.295%
11	8.592	1135	1140	1143	rBV2	48537	58507	1.15%	0.147%
12	8.810	1175	1177	1179	rBV2	69915	51179	1.01%	0.128%
13	8.845	1179	1183	1187	rVB	879199	680646	13.39%	1.705%
14	8.945	1196	1200	1204	rBV	241043	208014	4.09%	0.521%
15	9.128	1228	1231	1234	rVB4	56163	62351	1.23%	0.156%
16	9.245	1249	1251	1253	rBV	120469	111196	2.19%	0.278%
17	9.375	1270	1273	1276	rBV	86049	69313	1.36%	0.174%
18	9.475	1286	1290	1292	rBV	293507	236644	4.66%	0.593%
19	9.516	1292	1297	1300	rVV	1009217	931865	18.34%	2.334%
20	9.545	1300	1302	1307	rVB	124646	109143	2.15%	0.273%
21	9.722	1325	1332	1336	rBV4	82456	168656	3.32%	0.422%
22	9.792	1341	1344	1348	rVB	120462	100718	1.98%	0.252%
23	9.828	1348	1350	1353	rBV2	54485	56737	1.12%	0.142%
24	9.945	1368	1370	1372	rBV	82632	69620	1.37%	0.174%
25	9.969	1372	1374	1378	rVB	401865	300282	5.91%	0.752%
26	10.057	1387	1389	1392	rBV	103021	91135	1.79%	0.228%
27	10.186	1407	1411	1414	rBV	141483	178871	3.52%	0.448%
28	10.298	1427	1430	1434	rVB2	374168	361070	7.10%	0.904%
29	10.439	1451	1454	1463	rVB	435822	461751	9.09%	1.156%
30	10.633	1484	1487	1491	rBV2	70920	70909	1.40%	0.178%
31	10.728	1500	1503	1506	rBV2	41833	63527	1.25%	0.159%
32	10.757	1506	1508	1513	rVB3	53936	69662	1.37%	0.174%
33	10.886	1526	1530	1533	rBV	369491	312491	6.15%	0.783%
34	10.916	1533	1535	1541	rVB	120755	118523	2.33%	0.297%

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35	10.986	1544	1547	1549	rBV	683217	610438	12.01%	1.529%
36	11.010	1549	1551	1556	rVB	742257	640207	12.60%	1.603%
37	11.063	1557	1560	1565	rVB	306646	255114	5.02%	0.639%
38	11.310	1599	1602	1605	rBV	280642	265041	5.21%	0.664%
39	11.410	1615	1619	1622	rBV	2780219	2441632	48.04%	6.115%
40	11.492	1627	1633	1635	rBV2	111967	128439	2.53%	0.322%
41	11.516	1635	1637	1640	rBV	127075	104193	2.05%	0.261%
42	11.551	1640	1643	1648	rBV2	372944	423328	8.33%	1.060%
43	11.598	1648	1651	1654	rBV	235574	223013	4.39%	0.559%
44	11.716	1666	1671	1676	rVB	219936	239412	4.71%	0.600%
45	11.786	1680	1683	1685	rVV	84280	78768	1.55%	0.197%
46	11.810	1685	1687	1691	rVB2	80791	77773	1.53%	0.195%
47	12.039	1721	1726	1729	rBV2	87192	123172	2.42%	0.308%
48	12.098	1729	1736	1737	rVV	3697274	4526322	89.06%	11.336%
49	12.122	1737	1740	1745	rVV	4363191	5082407	100.00%	12.729%
50	12.198	1749	1753	1756	rBV	2429896	2249662	44.26%	5.634%
51	12.257	1756	1763	1770	rVV2	889440	1506797	29.65%	3.774%
52	12.327	1773	1775	1780	rVB2	141342	187907	3.70%	0.471%
53	12.422	1786	1791	1797	rBV	1282620	1536050	30.22%	3.847%
54	12.474	1797	1800	1806	rVB2	164763	188330	3.71%	0.472%
55	12.545	1809	1812	1814	rBV	109548	128907	2.54%	0.323%
56	12.569	1814	1816	1824	rVB2	475540	475473	9.36%	1.191%
57	12.639	1824	1828	1832	rBV2	98877	192037	3.78%	0.481%
58	12.674	1832	1834	1840	rVB4	94164	123129	2.42%	0.308%
59	12.751	1841	1847	1849	rBV	339885	385849	7.59%	0.966%
60	12.792	1849	1854	1856	rVB4	76871	118992	2.34%	0.298%
61	12.822	1856	1859	1861	rBV2	170270	210765	4.15%	0.528%
62	12.922	1872	1876	1878	rBV2	169728	173243	3.41%	0.434%
63	12.945	1878	1880	1882	rVB	93636	71389	1.40%	0.179%
64	12.974	1882	1885	1889	rBV3	90525	111680	2.20%	0.280%
65	13.074	1899	1902	1905	rVB5	121149	146004	2.87%	0.366%
66	13.169	1916	1918	1923	rVB2	90030	95969	1.89%	0.240%
67	13.263	1931	1934	1936	rBV	82896	76699	1.51%	0.192%
68	13.339	1943	1947	1950	rBV2	134190	185180	3.64%	0.464%
69	13.363	1950	1951	1953	rVV	89694	58191	1.14%	0.146%
70	13.392	1953	1956	1958	rVV	79626	93485	1.84%	0.234%
71	13.416	1958	1960	1962	rVV	125317	135214	2.66%	0.339%

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72	13.469	1966	1969	1971	rVV	91827	81016	1.59%	0.203%
73	13.492	1971	1973	1977	rVB2	71872	72472	1.43%	0.182%
74	13.586	1986	1989	1990	rBV	172996	169648	3.34%	0.425%
75	13.610	1990	1993	1996	rVV2	908173	1288064	25.34%	3.226%
76	13.639	1996	1998	2001	rVB	572316	491139	9.66%	1.230%
77	13.716	2008	2011	2014	rVB	179412	171092	3.37%	0.428%
78	13.810	2025	2027	2029	rBV	76307	64392	1.27%	0.161%
79	13.904	2040	2043	2046	rBV4	65616	72903	1.43%	0.183%
80	13.963	2051	2053	2056	rVV2	73206	65719	1.29%	0.165%
81	14.092	2072	2075	2077	rBV3	121402	149146	2.93%	0.374%
82	14.410	2126	2129	2131	rBV	106402	119296	2.35%	0.299%
83	14.504	2141	2145	2153	rVB	251505	293139	5.77%	0.734%
84	14.610	2159	2163	2172	rVB	565030	973971	19.16%	2.439%
85	14.698	2175	2178	2181	rVB	179805	166820	3.28%	0.418%
86	14.863	2203	2206	2211	rVB	274069	320235	6.30%	0.802%
87	14.916	2211	2215	2219	rBV	415599	464603	9.14%	1.164%
88	14.963	2220	2223	2226	rBV	352457	428077	8.42%	1.072%
89	16.192	2429	2432	2438	rVB	177731	273072	5.37%	0.684%
90	16.557	2490	2494	2501	rVB	133575	231425	4.55%	0.580%

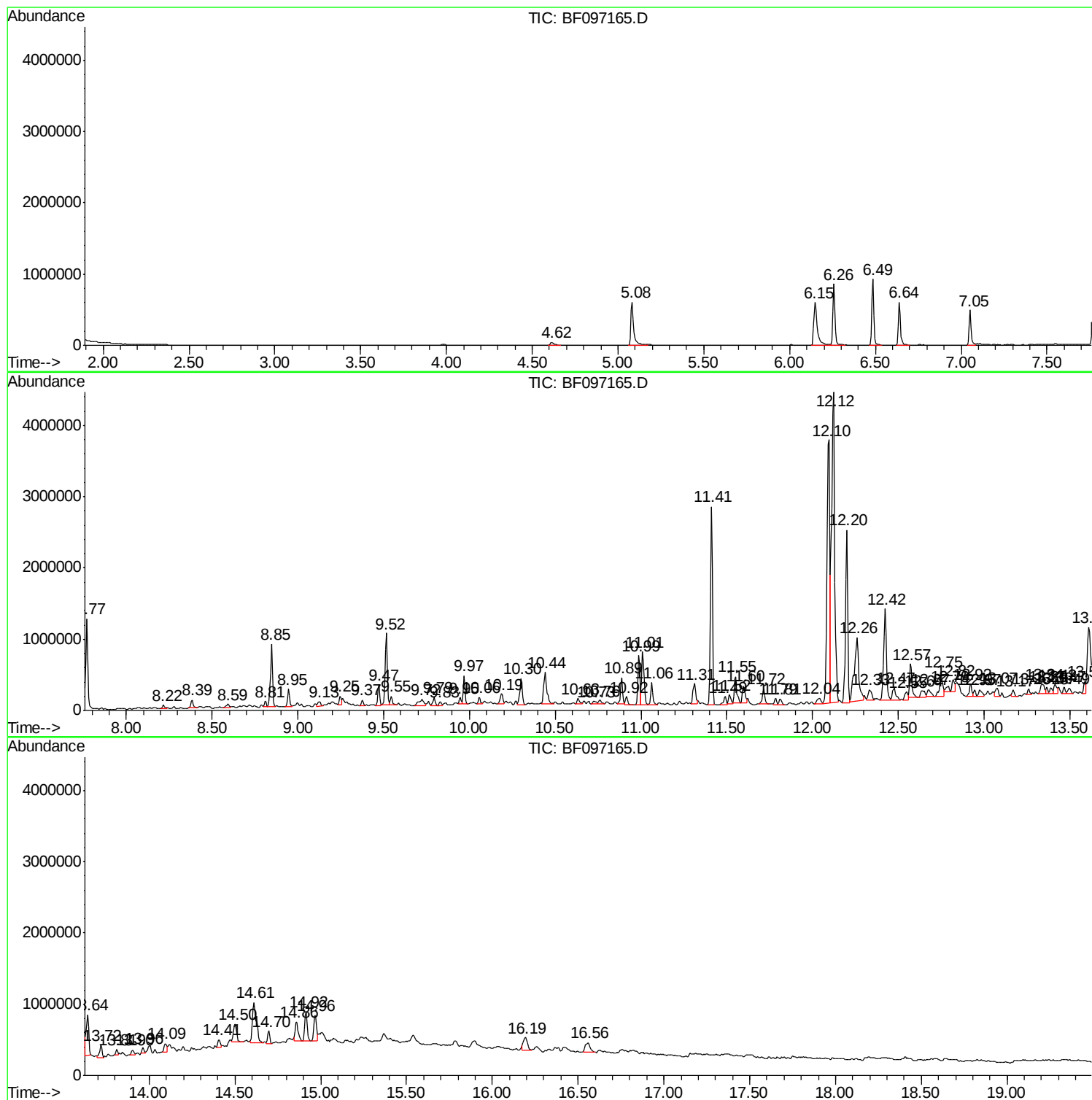
Sum of corrected areas: 39929157

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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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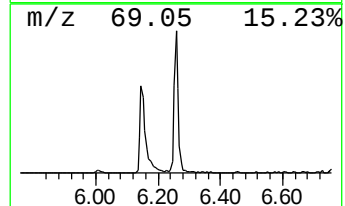
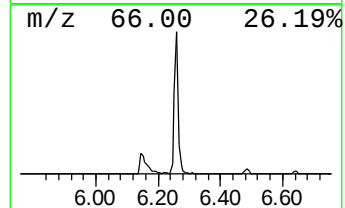
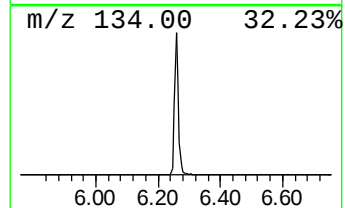
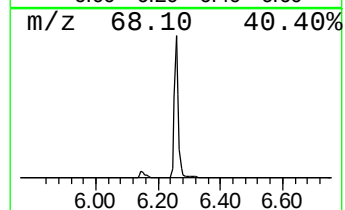
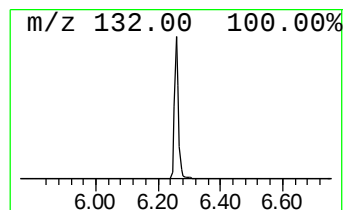
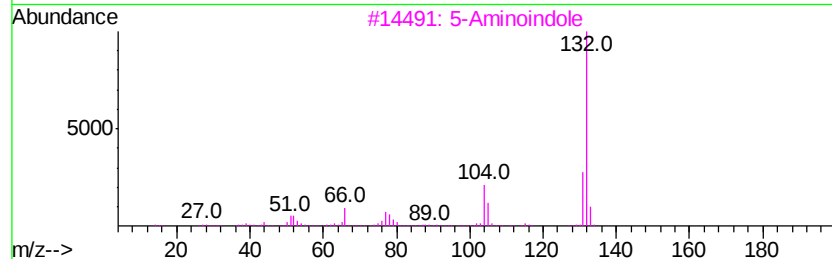
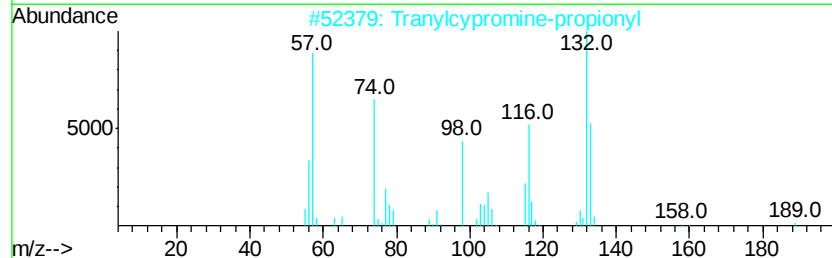
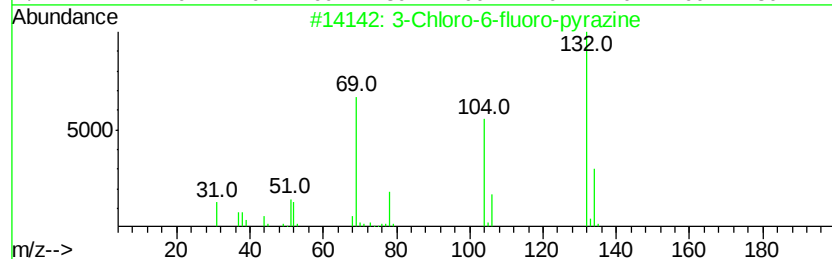
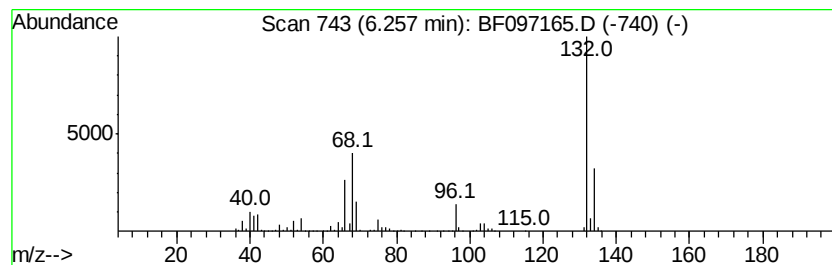
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.26 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.26	19.01 ng	772782	1,4-Dichlorobenzene-d4	6.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		5-Aminoindole	132	C8H8N2	005192-03-0	10
4		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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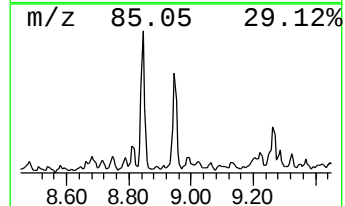
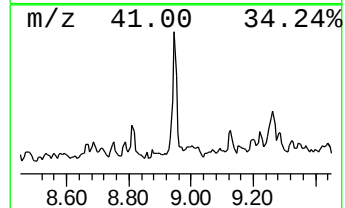
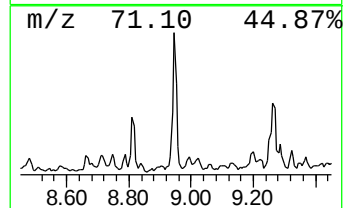
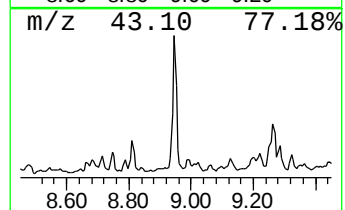
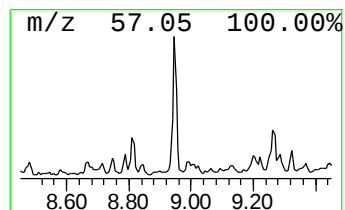
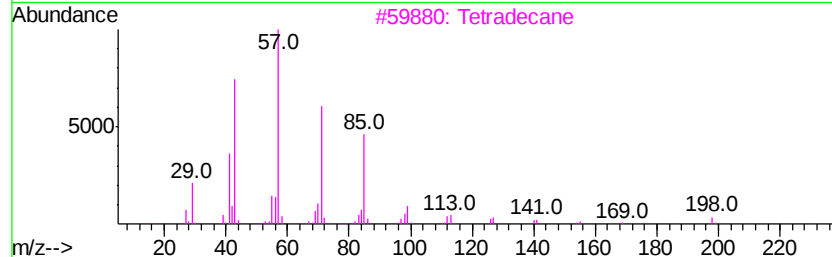
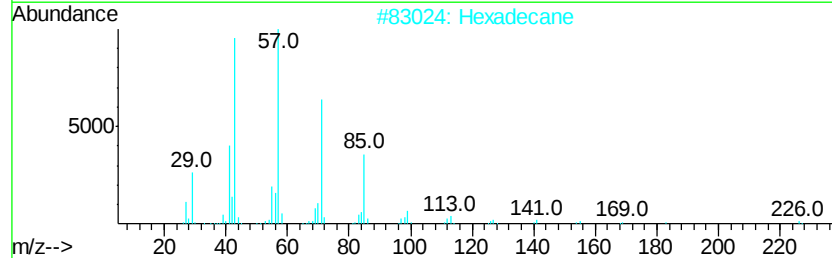
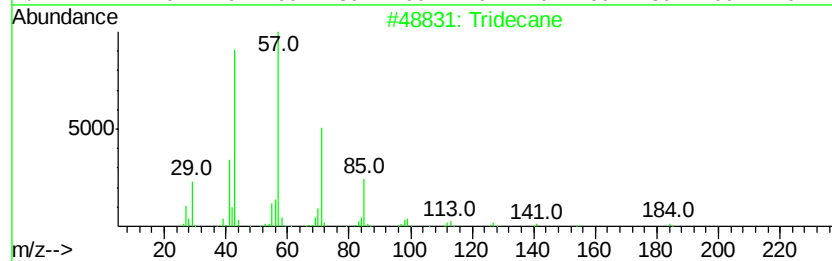
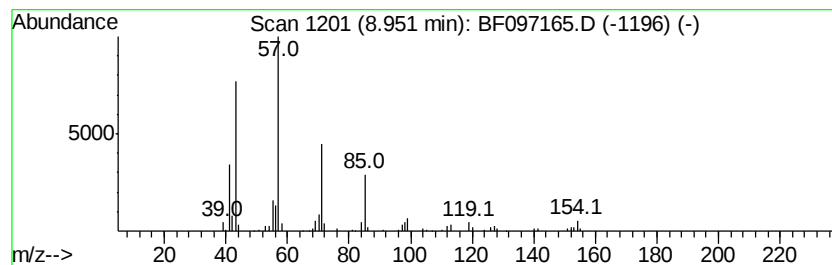
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Tridecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.95	4.46 ng	208014	Acenaphthene-d10	9.52
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Tridecane	184 C13H28	000629-50-5	86
2	Hexadecane	226 C16H34	000544-76-3	80
3	Tetradecane	198 C14H30	000629-59-4	78
4	Eicosane	282 C20H42	000112-95-8	72
5	Nonane, 5-butyl-	184 C13H28	017312-63-9	64



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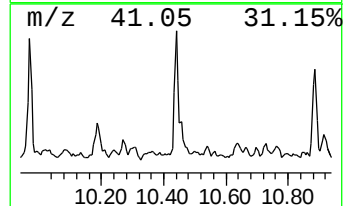
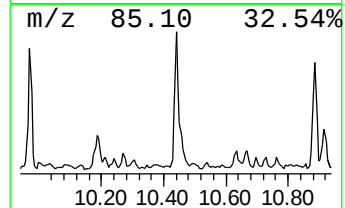
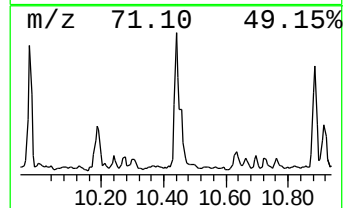
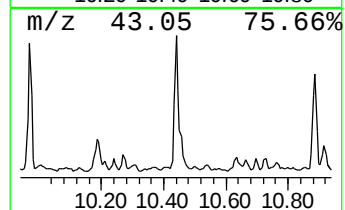
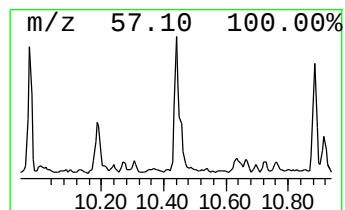
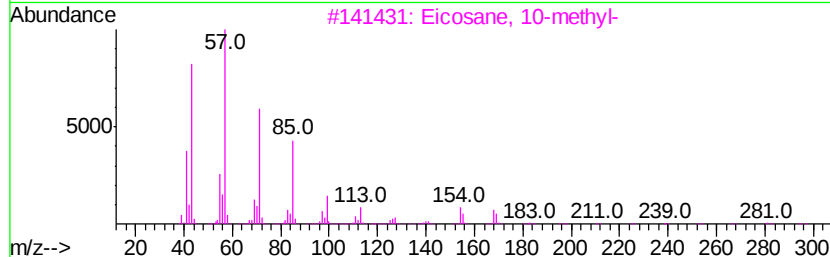
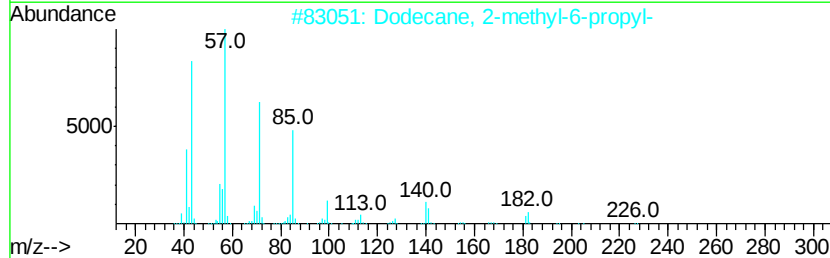
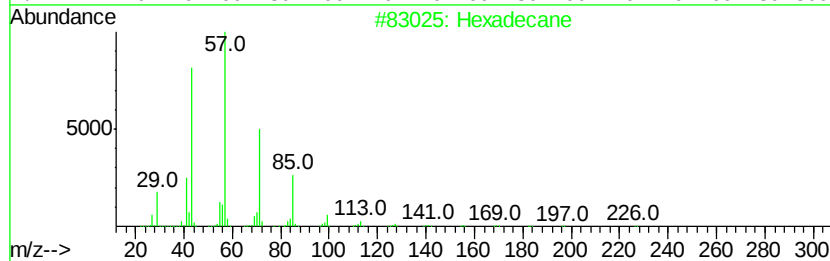
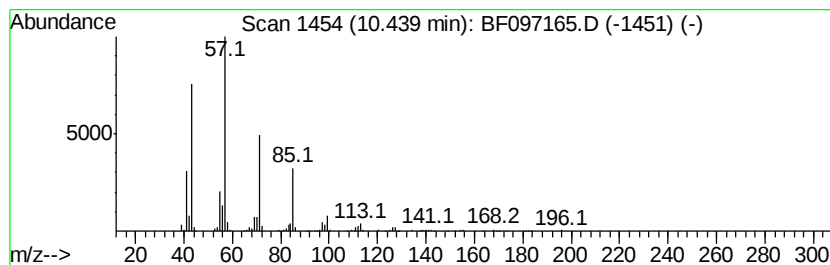
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Hexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.44	15.13 ng	461751	Phenanthrene-d10	10.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	86
4	Heneicosane	296	C21H44	000629-94-7	86
5	Tridecane	184	C13H28	000629-50-5	83



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ALS Vial : 9 Sample Multiplier: 1

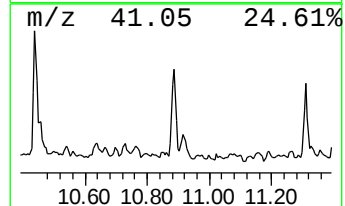
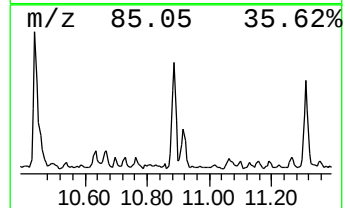
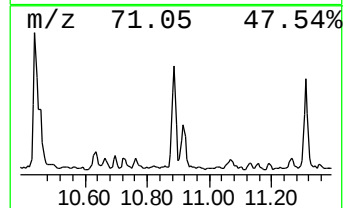
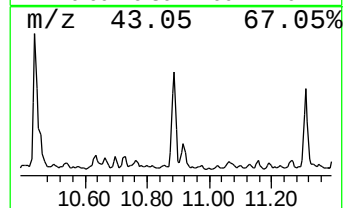
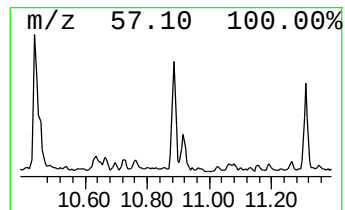
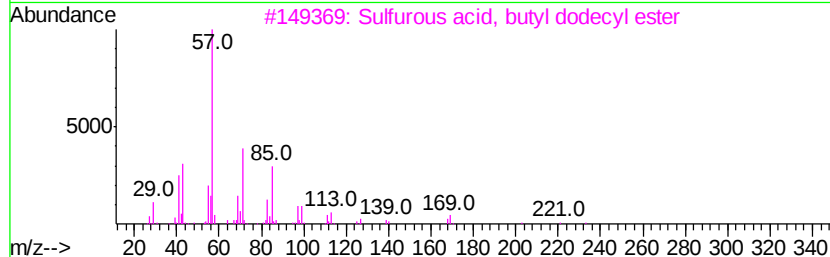
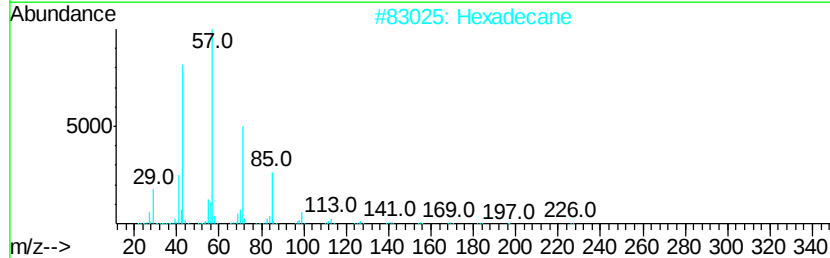
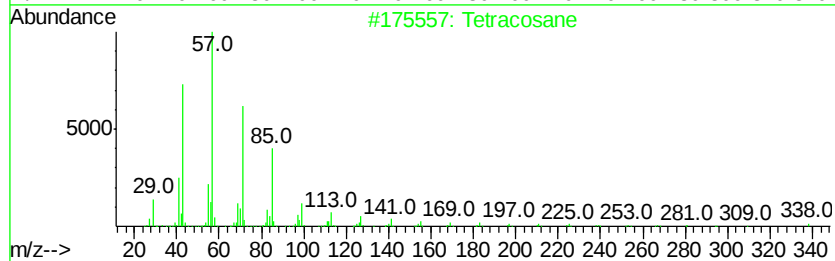
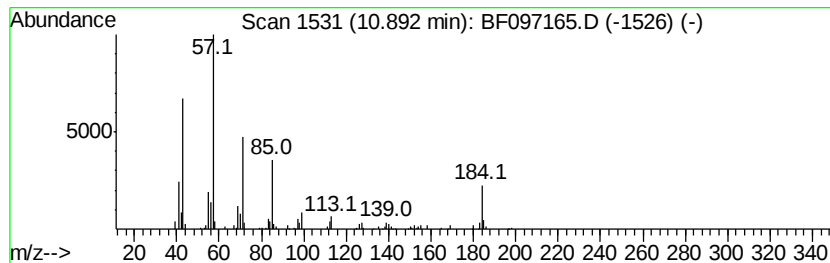
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BNA_F
ClientSampleId :
HD-02-072617

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Tetracosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.89	10.24 ng	312491	Phenanthrene-d10	10.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	64
2	Hexadecane	226	C16H34	000544-76-3	64
3	Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	59
4	Pentadecane	212	C15H32	000629-62-9	58
5	Heptacosane	380	C27H56	000593-49-7	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
Data File : BF097165.D
Acq On : 28 Jul 2017 20:31
Operator : SJ/JU
Sample : I4466-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-072617

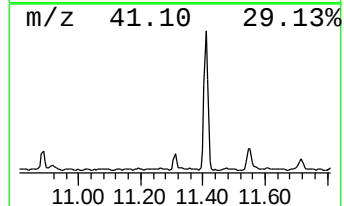
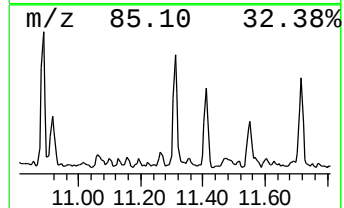
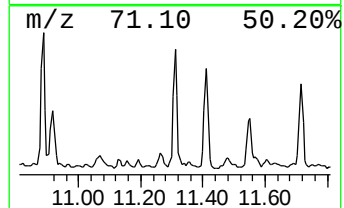
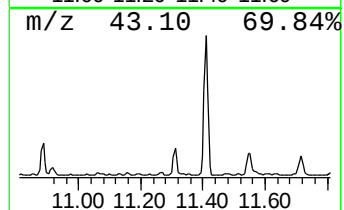
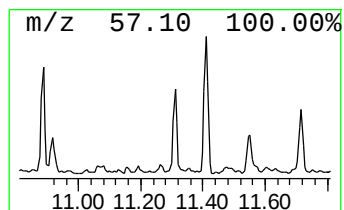
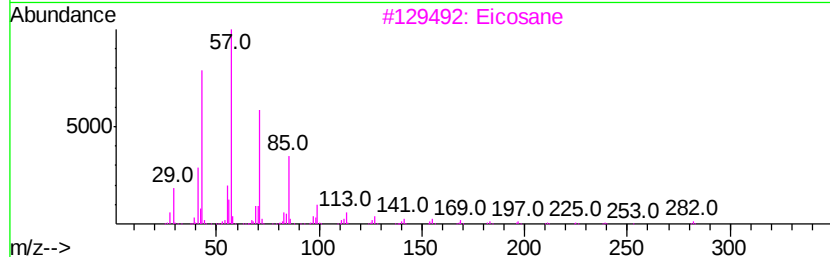
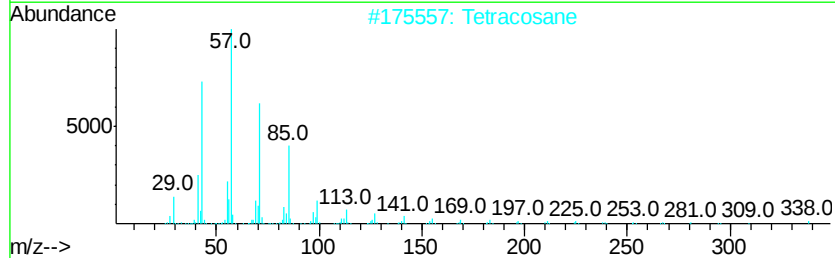
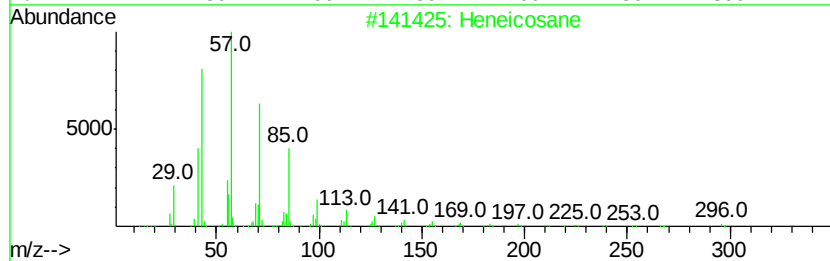
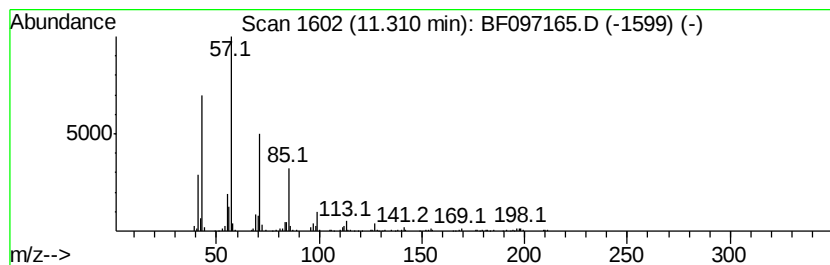
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Heneicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	8.68 ng	265041	Phenanthrene-d10	10.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane		296	C21H44	000629-94-7	91
2	Tetracosane		338	C24H50	000646-31-1	90
3	Eicosane		282	C20H42	000112-95-8	90
4	Hexadecane		226	C16H34	000544-76-3	86
5	Dodecane, 2-methyl-6-propyl-		226	C16H34	055045-08-4	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
Data File : BF097165.D
Acq On : 28 Jul 2017 20:31
Operator : SJ/JU
Sample : I4466-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HD-02-072617

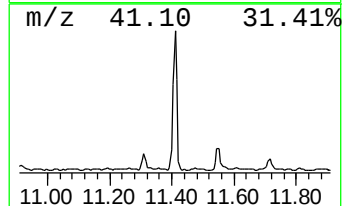
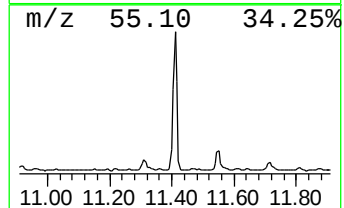
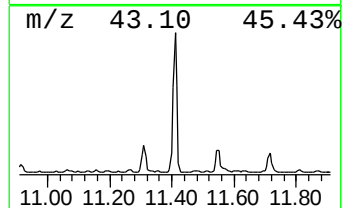
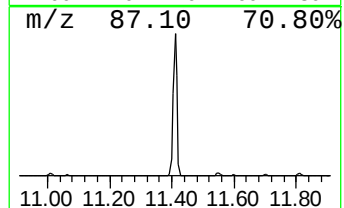
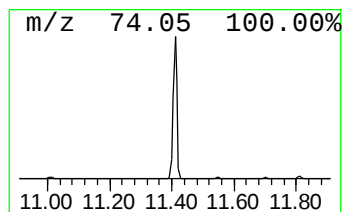
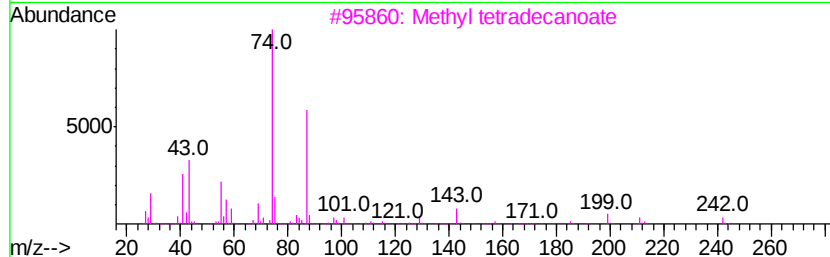
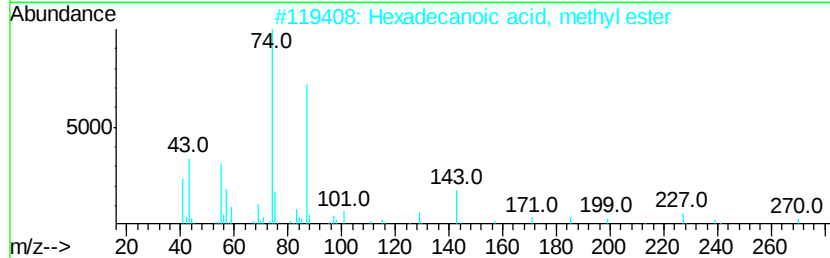
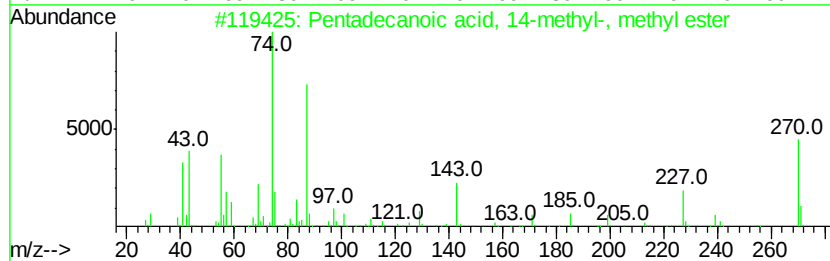
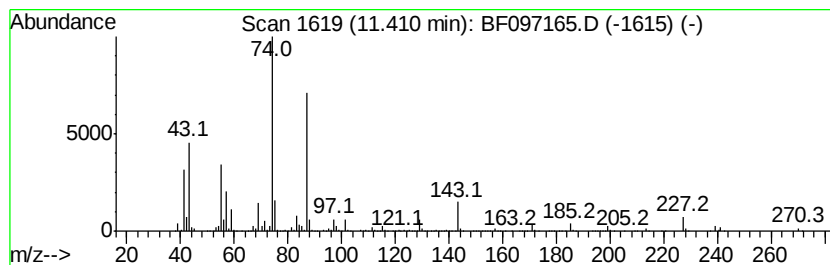
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Pentadecanoic acid, 14-meth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	80.00 ng	2441630	Phenanthrene-d10	10.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
2		Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	91
3		Methyl tetradecanoate	242	C15H30O2	000124-10-7	90
4		Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90
5		Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
Data File : BF097165.D
Acq On : 28 Jul 2017 20:31
Operator : SJ/JU
Sample : I4466-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HD-02-072617

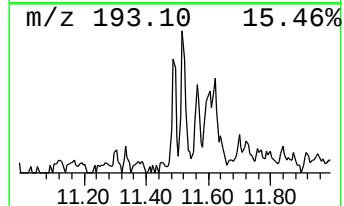
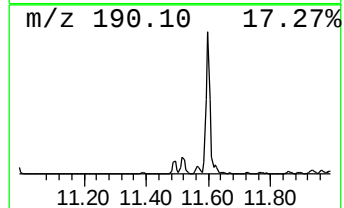
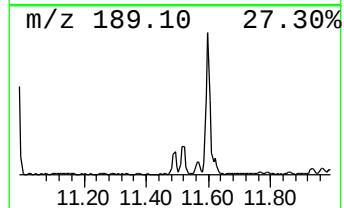
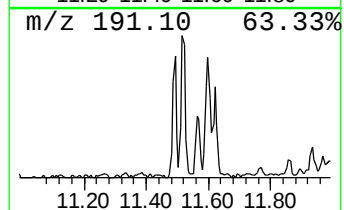
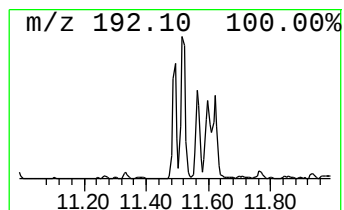
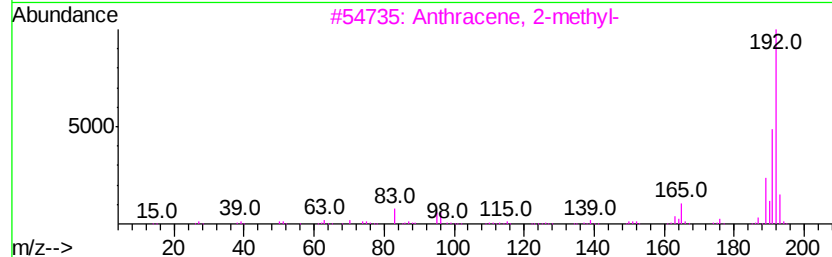
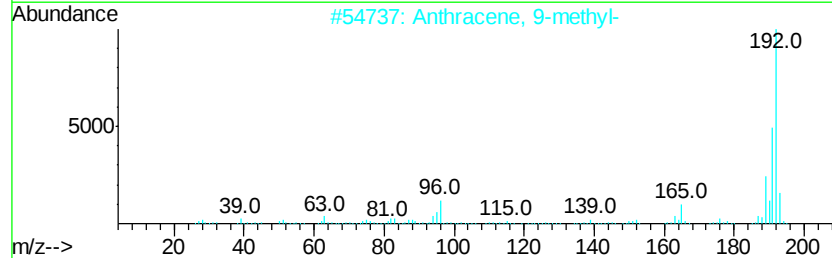
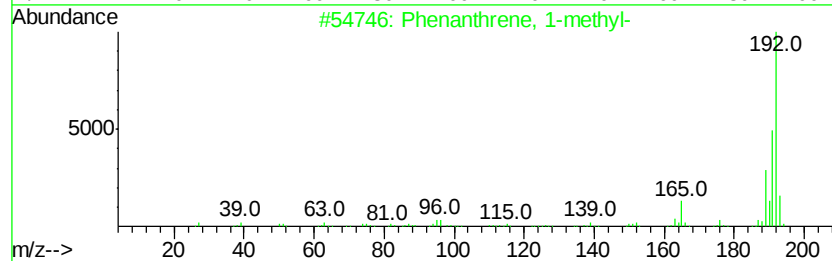
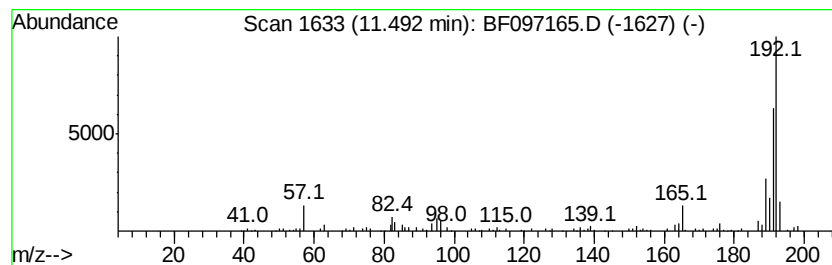
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	4.21 ng	128439	Phenanthrene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097165.D
Acq On : 28 Jul 2017 20:31
Operator : SJ/JU
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId :
HD-02-072617

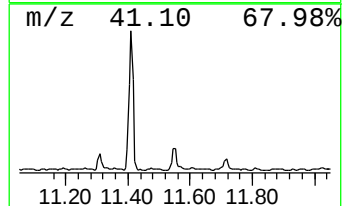
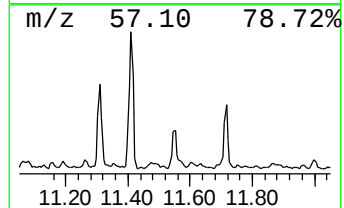
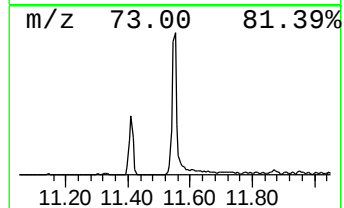
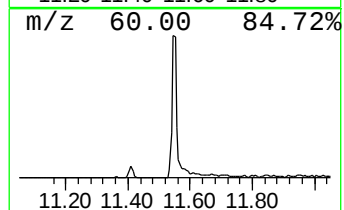
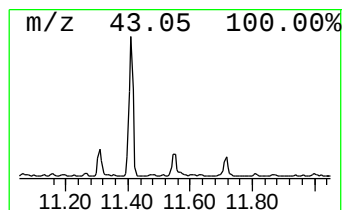
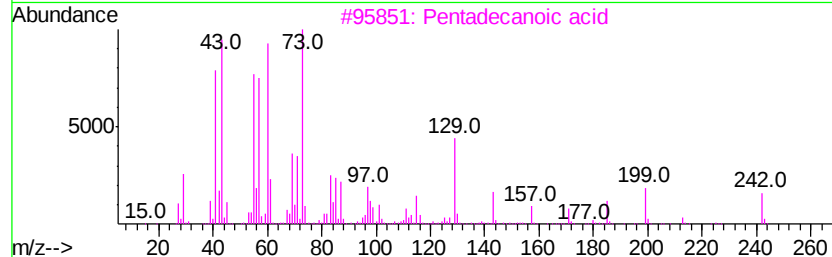
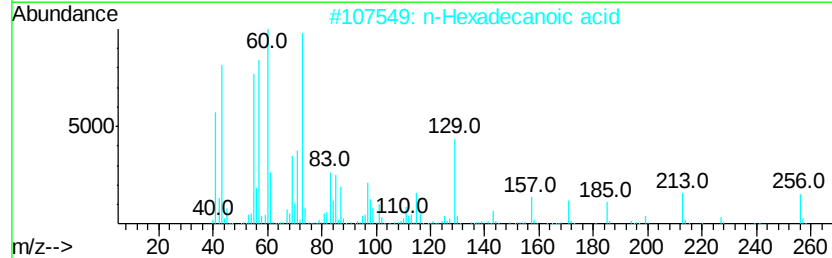
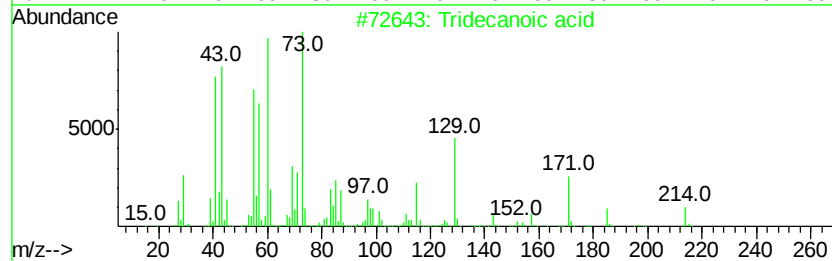
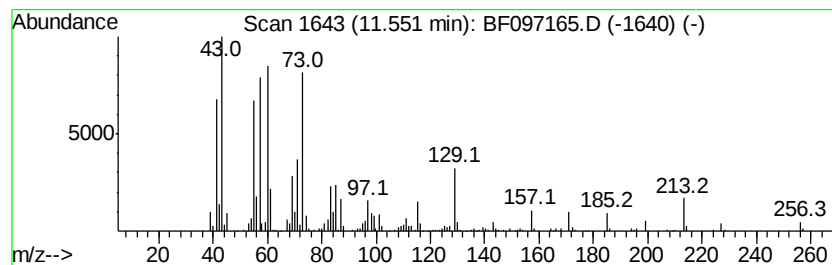
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Tridecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	13.87 ng	423328	Phenanthrene-d10	10.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecanoic acid	214	C13H26O2	000638-53-9	94
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5		Dodecanoic acid	200	C12H24O2	000143-07-7	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
Data File : BF097165.D
Acq On : 28 Jul 2017 20:31
Operator : SJ/JU
Sample : I4466-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HD-02-072617

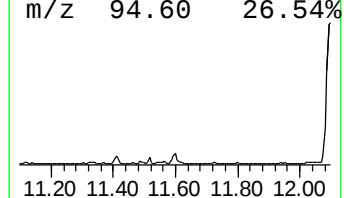
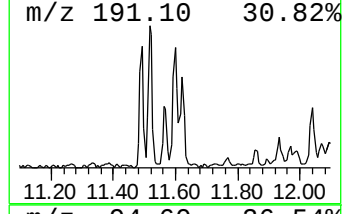
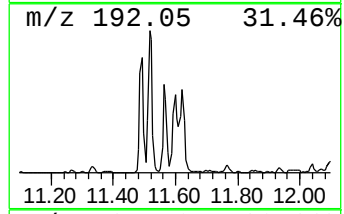
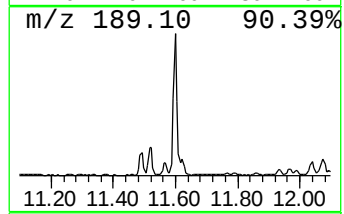
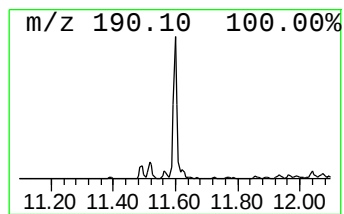
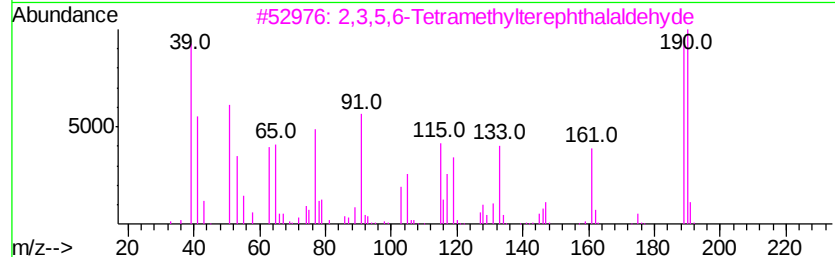
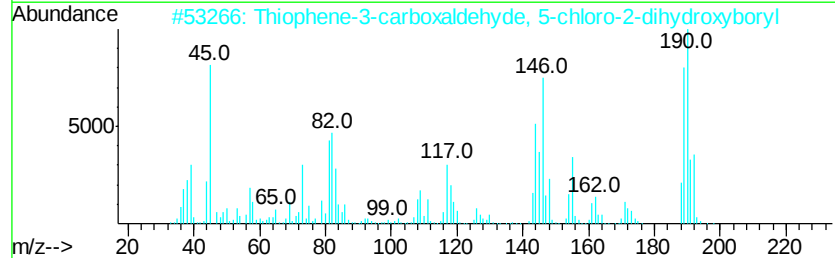
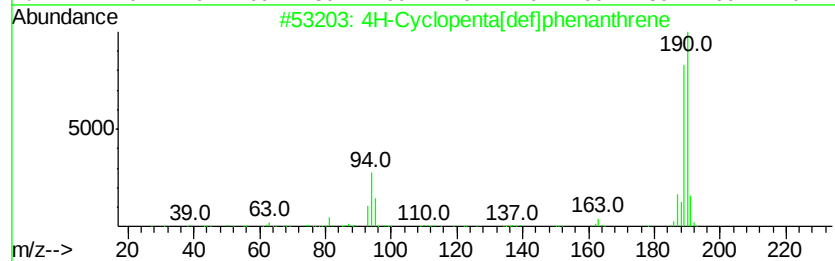
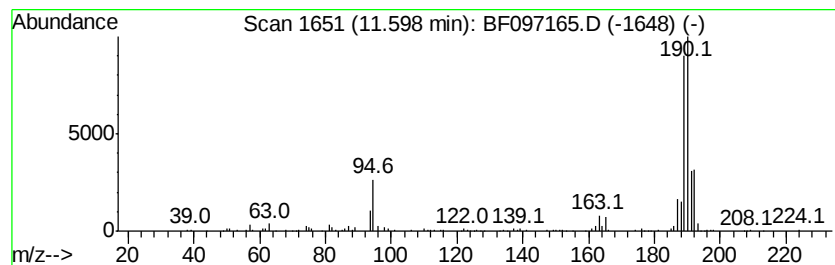
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	7.31 ng	223013	Phenanthrene-d10	10.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2			Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3			2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4			2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5			Methyl diselenide	190	C2H6Se2	007101-31-7	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
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Sample : I4466-01 5X
Misc :
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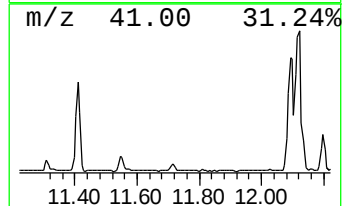
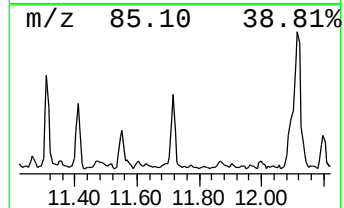
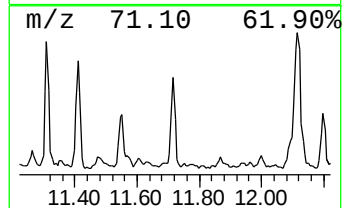
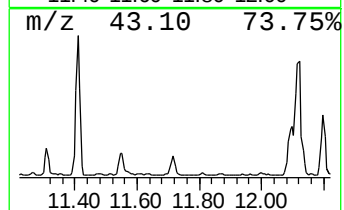
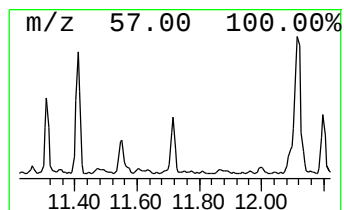
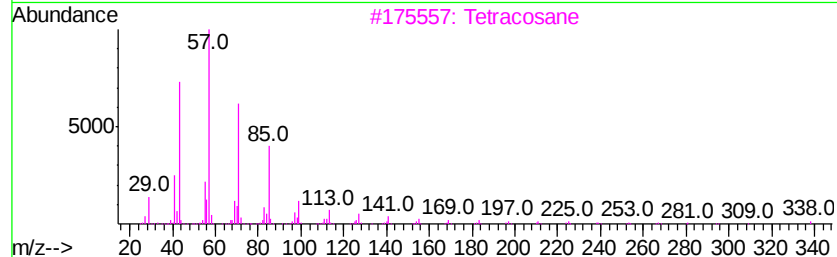
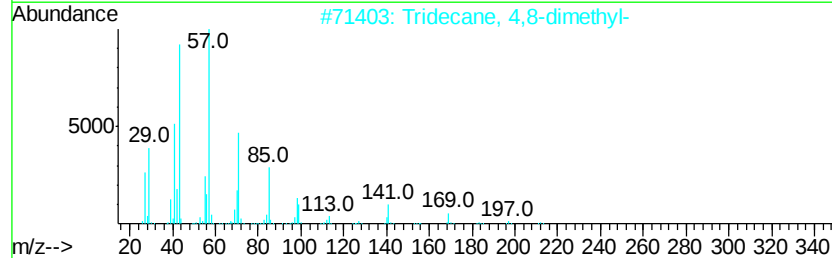
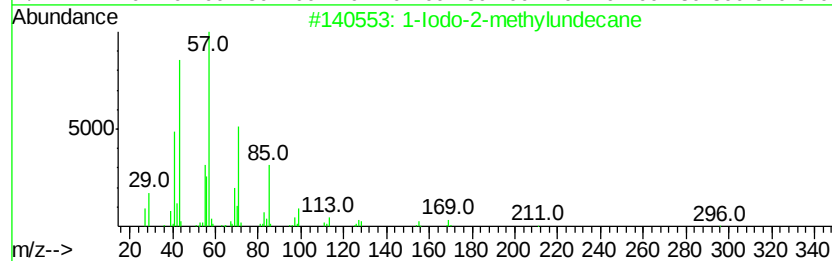
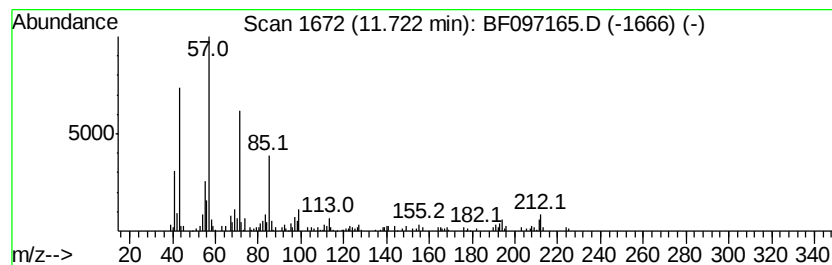
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ClientSampleId :
HD-02-072617

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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 1-Iodo-2-methylundecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.72	7.84 ng	239412	Phenanthrene-d10	10.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	86
2	Tridecane, 4,8-dimethyl-	212	C15H32	055030-62-1	86
3	Tetracosane	338	C24H50	000646-31-1	86
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	83
5	Heptadecane	240	C17H36	000629-78-7	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
Data File : BF097165.D
Acq On : 28 Jul 2017 20:31
Operator : SJ/JU
Sample : I4466-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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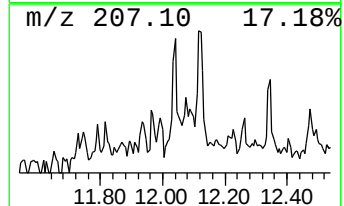
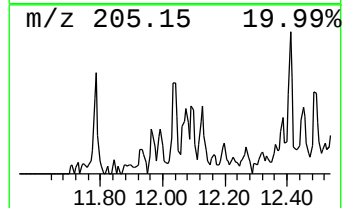
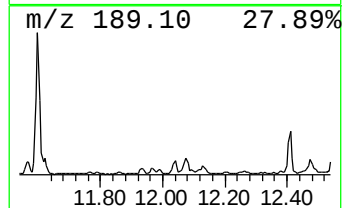
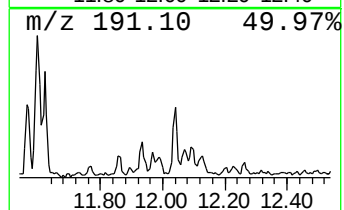
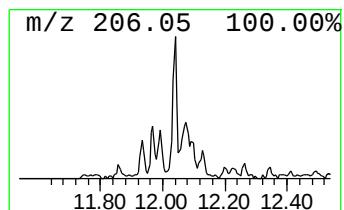
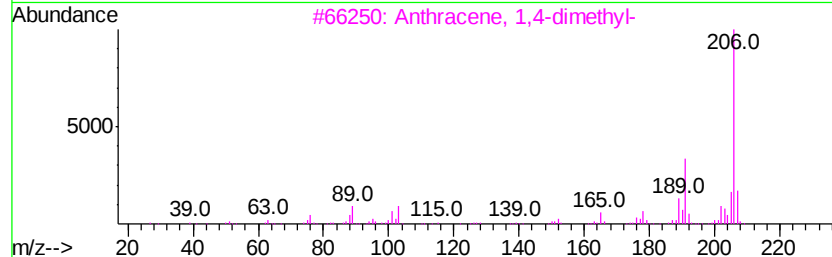
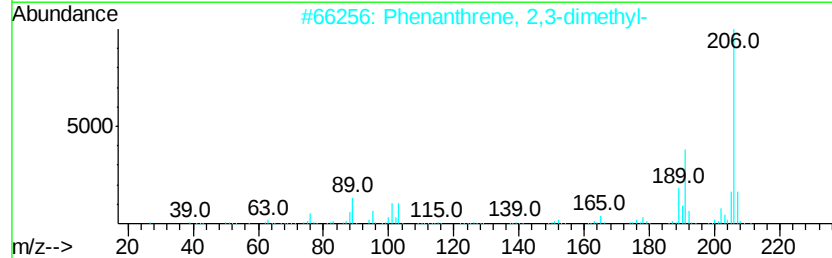
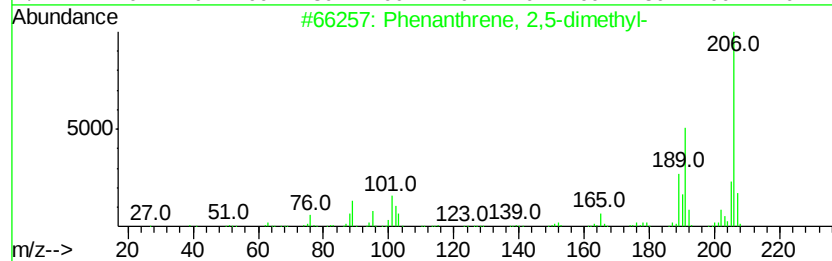
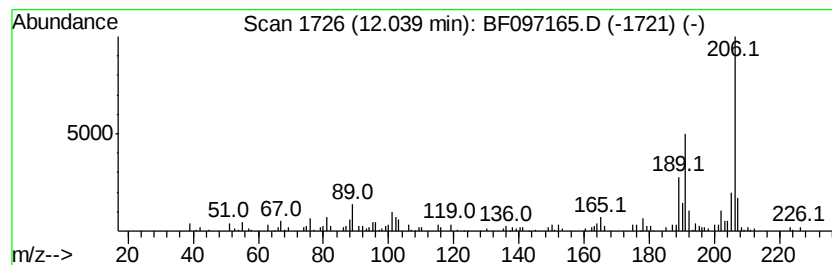
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	4.04 ng	123172	Phenanthrene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	91



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Misc :
ALS Vial : 9 Sample Multiplier: 1

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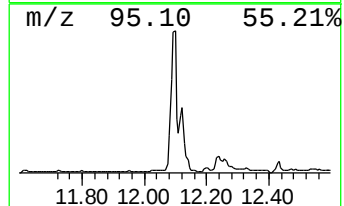
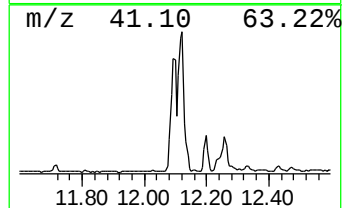
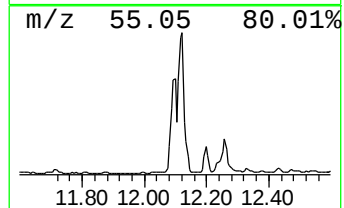
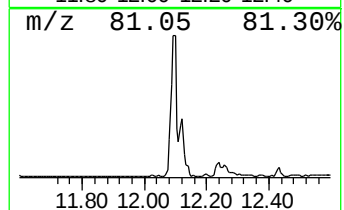
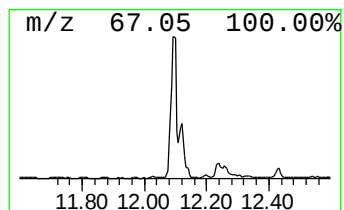
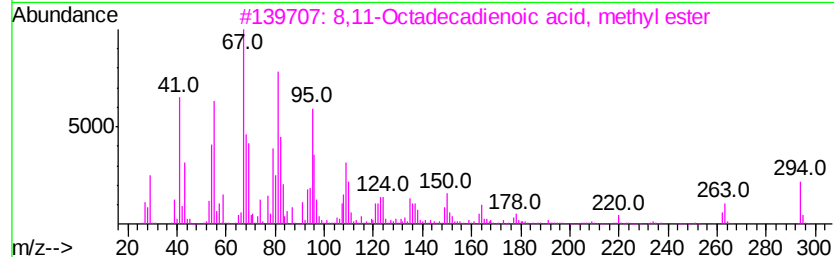
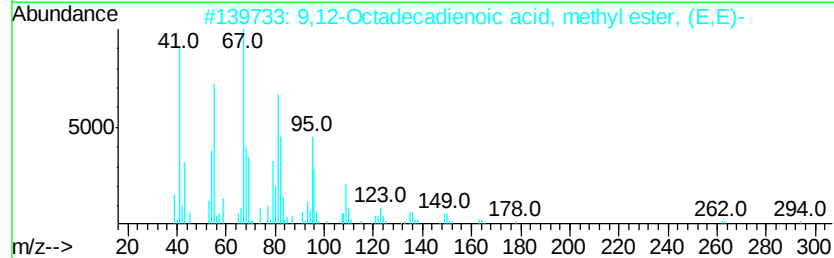
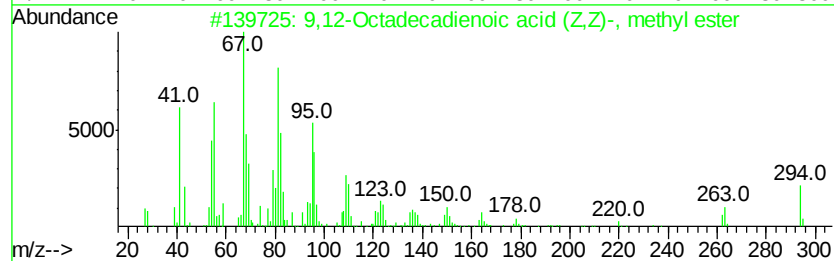
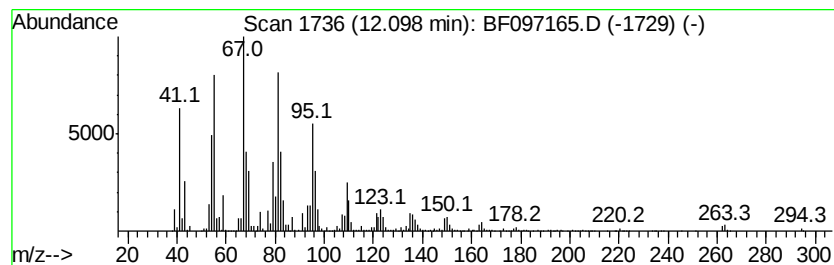
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9,12-Octadecadienoic acid (... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	148.30 ng	4526320	Phenanthrene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
2		9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
3		8,11-Octadecadienoic acid, methv...	294	C19H34O2	056599-58-7	98
4		Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	96
5		9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	96



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Misc :
ALS Vial : 9 Sample Multiplier: 1

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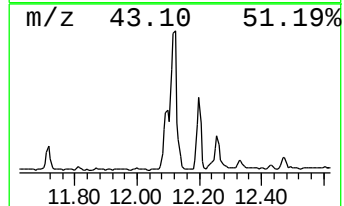
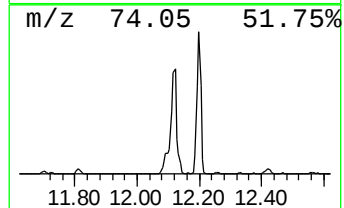
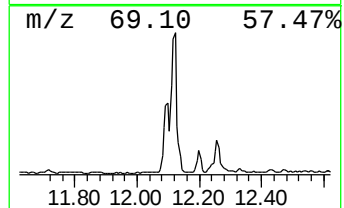
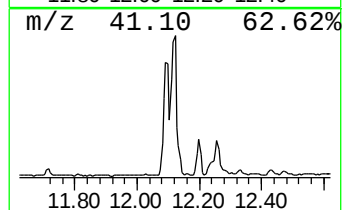
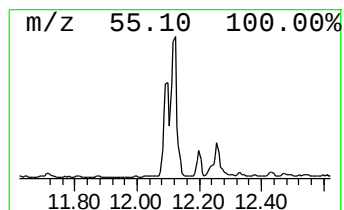
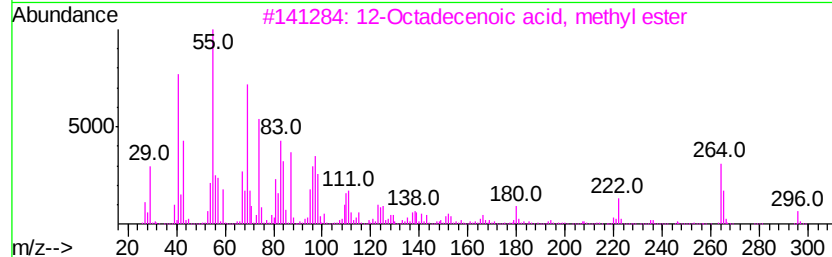
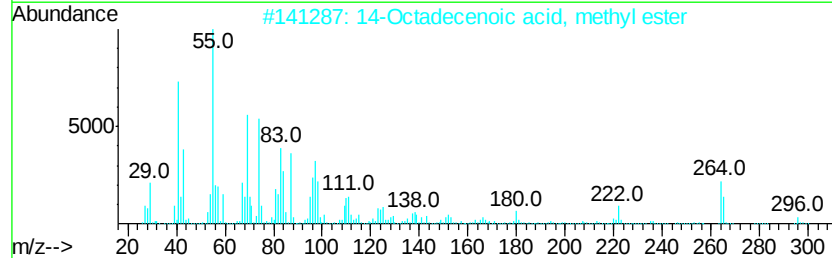
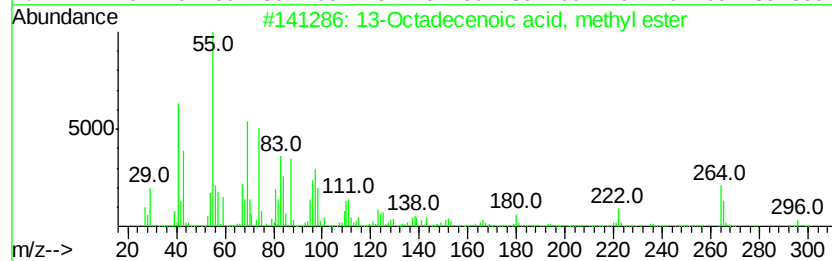
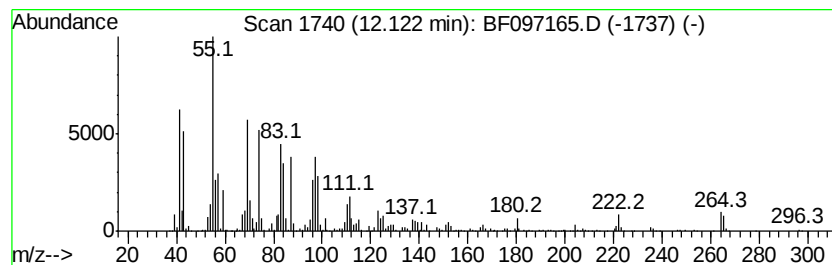
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 13-Octadecenoic acid, methyl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	166.52 ng	5082410	Phenanthrene-d10	10.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	96
2			14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	95
3			12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	94
4			9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	94
5			16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
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Sample : I4466-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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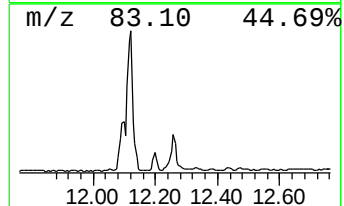
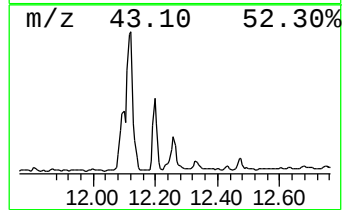
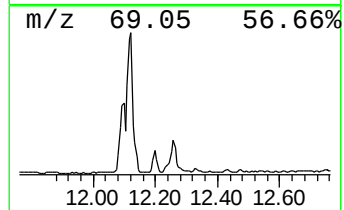
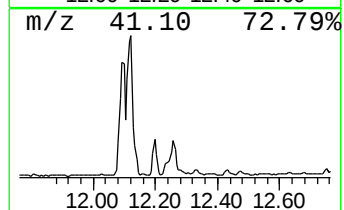
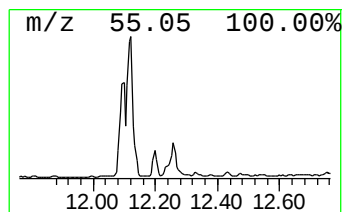
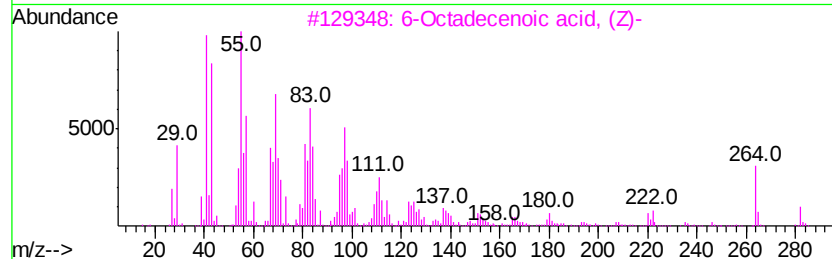
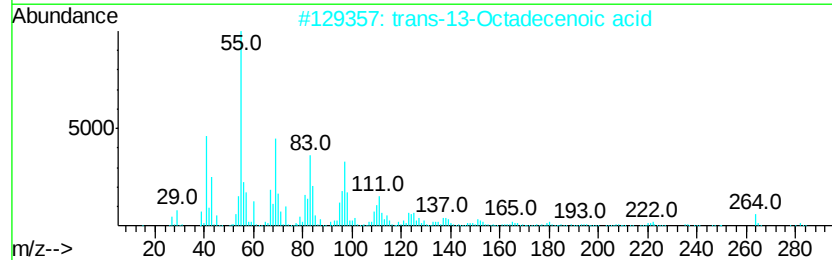
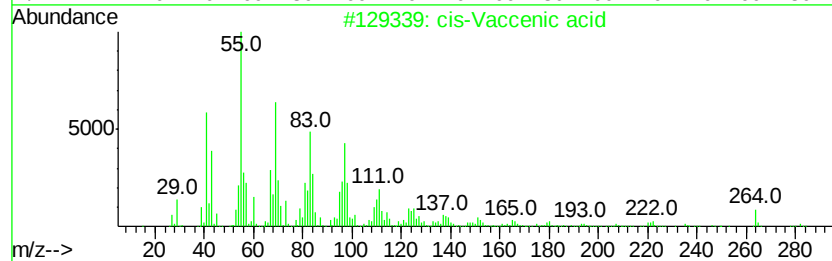
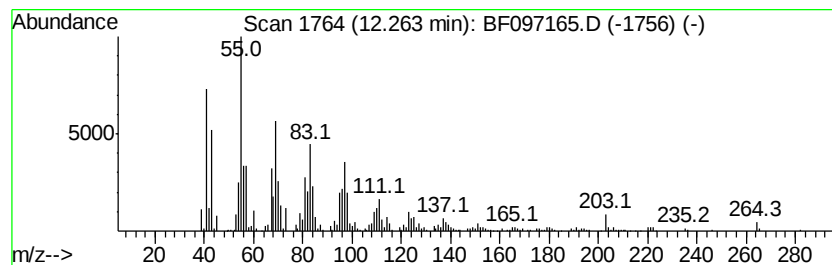
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 cis-Vaccenic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	49.37 ng	1506800	Phenanthrene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	cis-Vaccenic acid	282	C18H34O2	000506-17-2	97
2		trans-13-Octadecenoic acid	282	C18H34O2	000693-71-0	95
3		6-Octadecenoic acid, (Z)-	282	C18H34O2	000593-39-5	95
4		9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	95
5		cis-13-Octadecenoic acid	282	C18H34O2	013126-39-1	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097165.D
Acq On : 28 Jul 2017 20:31
Operator : SJ/JU
Sample : I4466-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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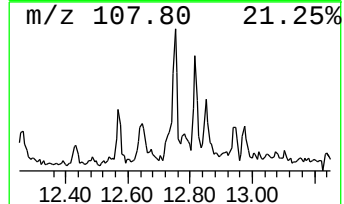
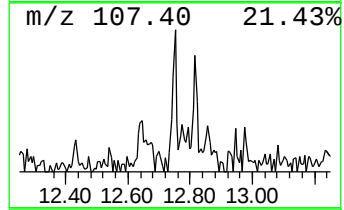
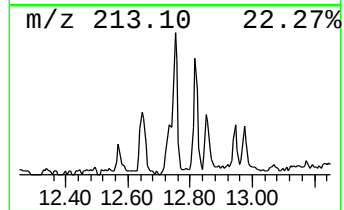
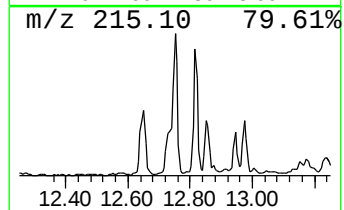
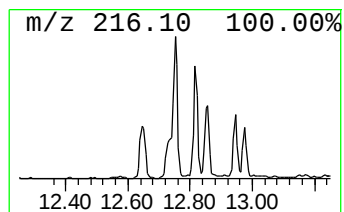
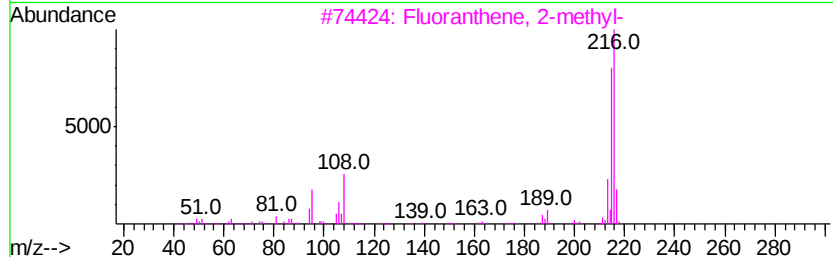
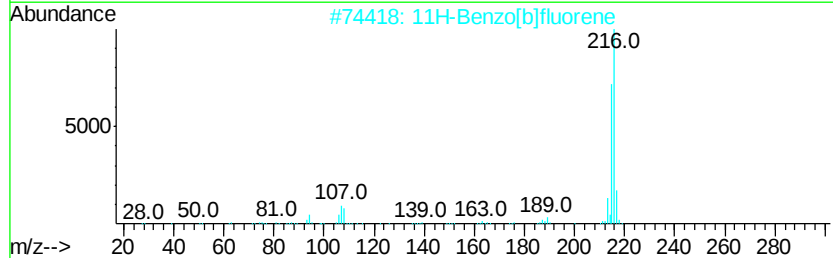
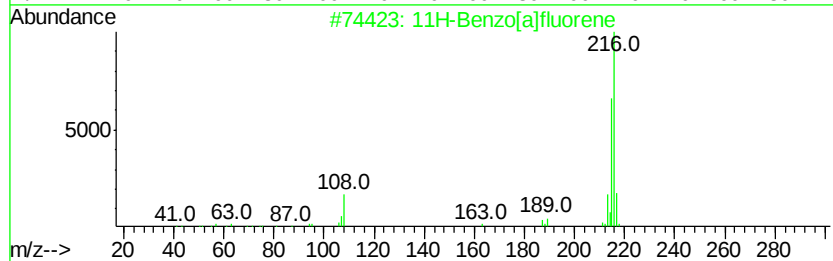
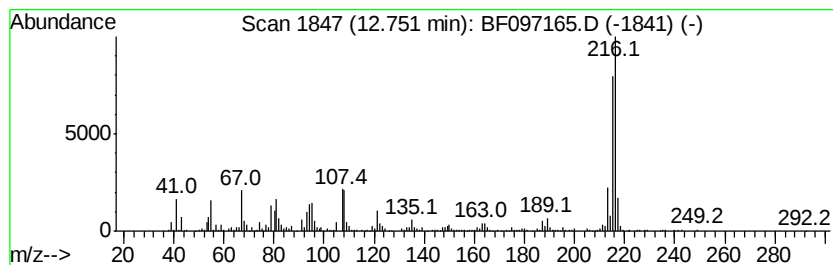
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	5.99 ng	385849	Chrysene-d12	13.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4		Pvrene, 1-methyl-	216	C17H12	002381-21-7	87
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



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Misc :
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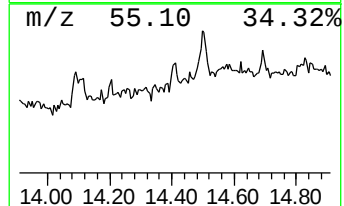
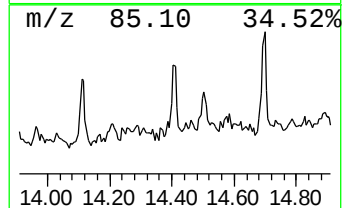
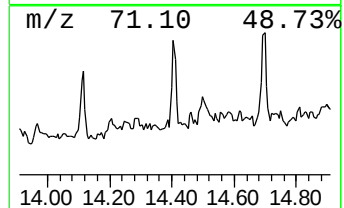
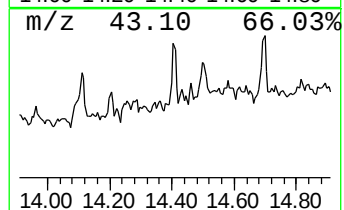
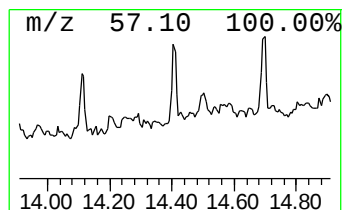
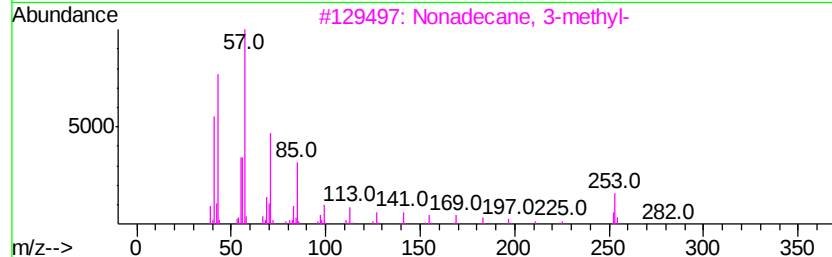
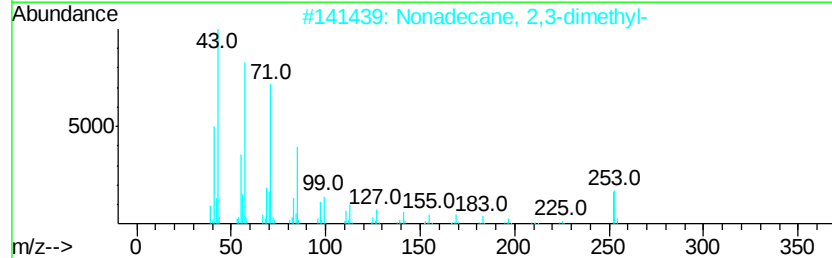
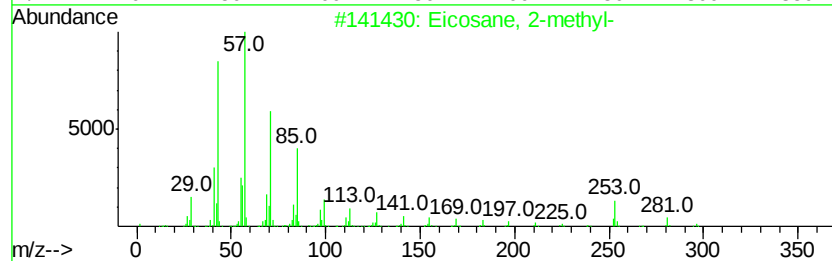
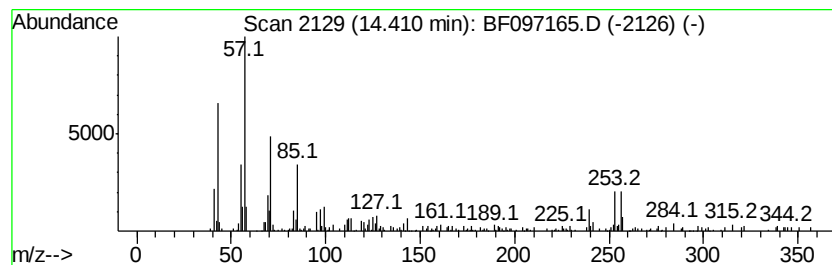
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Eicosane, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.41	5.57 ng	119296	Perylene-d12	14.97	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 2-methyl-	296	C21H44	001560-84-5	58
2	Nonadecane, 2,3-dimethyl-	296	C21H44	075163-99-4	53
3	Nonadecane, 3-methyl-	282	C20H42	006418-45-7	38
4	Palmitic acid vinyl ester	282	C18H34O2	000693-38-9	38
5	Nonadecane, 4-methyl-	282	C20H42	025117-27-5	37



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ALS Vial : 9 Sample Multiplier: 1

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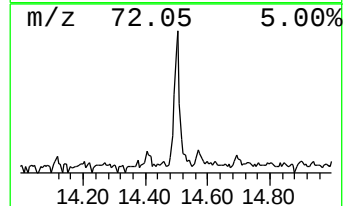
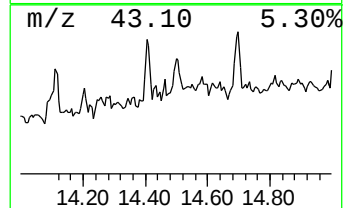
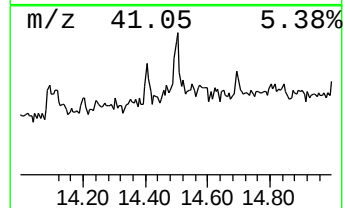
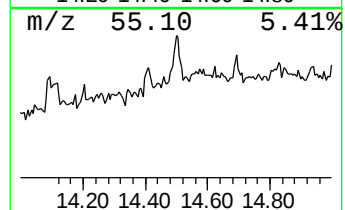
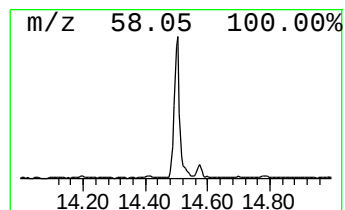
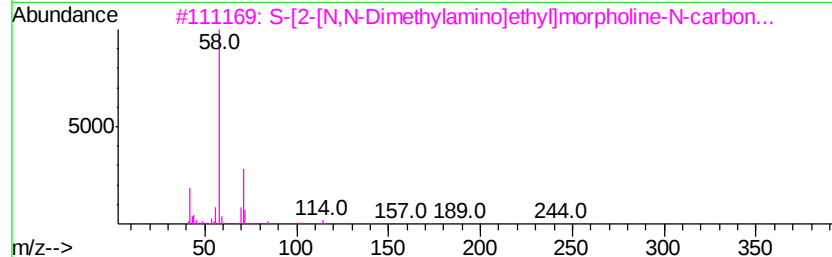
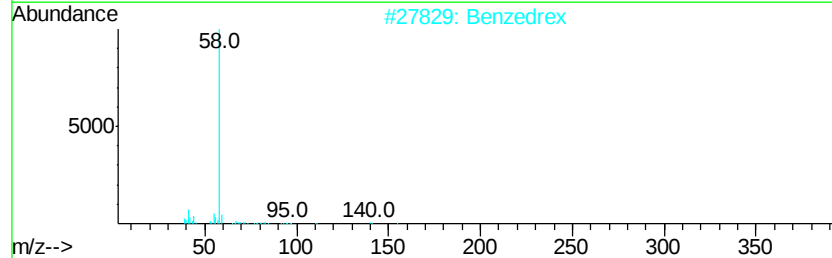
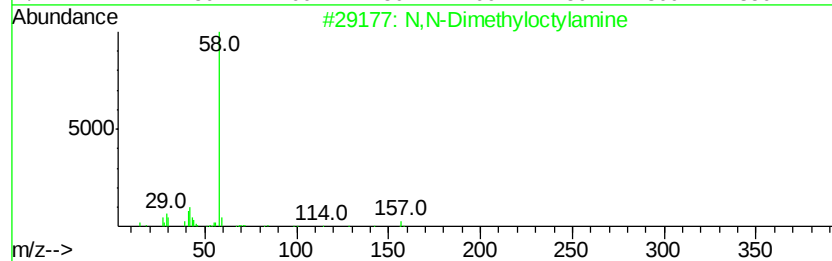
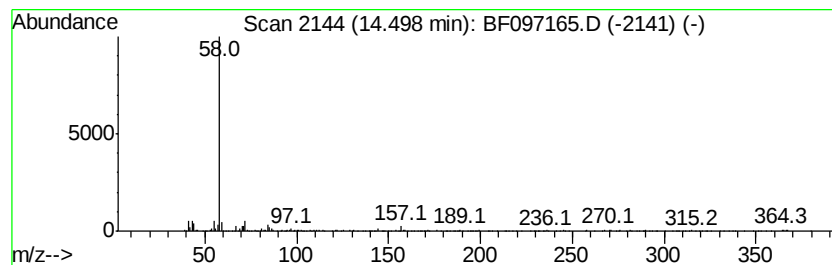
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 N,N-Dimethyloctylamine Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	13.70 ng	293139	Perylene-d12	14.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	N,N-Dimethyloctylamine	157	C10H23N	007378-99-6	72
2		Benzedrex	155	C10H21N	000101-40-6	64
3		S-[2-[N,N-Dimethylamino]ethyl]mo...	261	C10H19N3O3S	1000212-14-3	64
4		N,N-Dimethyl-2-cyclohexyloxvethy...	171	C10H21NO	071126-60-8	64
5		3-Cyclohexyloxypropylamine, N,N-...	185	C11H23NO	071126-67-5	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
 Data File : BF097165.D
 Acq On : 28 Jul 2017 20:31
 Operator : SJ/JU
 Sample : I4466-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072617

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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
unknown6.26	6.26	19.0	ng	772782	1	6.49	812924	20.0
Tridecane	8.95	4.5	ng	208014	3	9.52	931865	20.0
Hexadecane	10.44	15.1	ng	461751	4	10.99	610438	20.0
Tetracosane	10.89	10.2	ng	312491	4	10.99	610438	20.0
Heneicosane	11.31	8.7	ng	265041	4	10.99	610438	20.0
Pentadecanoic aci...	11.41	80.0	ng	2441630	4	10.99	610438	20.0
Phenanthrene, 1-m...	11.49	4.2	ng	128439	4	10.99	610438	20.0
Tridecanoic acid	11.55	13.9	ng	423328	4	10.99	610438	20.0
4H-Cyclopenta[def...	11.60	7.3	ng	223013	4	10.99	610438	20.0
1-Iodo-2-methylun...	11.72	7.8	ng	239412	4	10.99	610438	20.0
Phenanthrene, 2,5...	12.04	4.0	ng	123172	4	10.99	610438	20.0
9,12-Octadecadien...	12.10	148.3	ng	4526320	4	10.99	610438	20.0
13-Octadecenoic a...	12.12	166.5	ng	5082410	4	10.99	610438	20.0
cis-Vaccenic acid	12.26	49.4	ng	1506800	4	10.99	610438	20.0
11H-Benzo[a]fluorene	12.75	6.0	ng	385849	5	13.62	1288060	20.0
Eicosane, 2-methyl-	14.41	5.6	ng	119296	6	14.97	428077	20.0
N,N-Dimethyloctyl...	14.50	13.7	ng	293139	6	14.97	428077	20.0