

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042717\
 Data File : BF094666.D
 Acq On : 27 Apr 2017 14:38
 Operator : SJ/MA
 Sample : I2821-05 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB426ADL

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-BF041717.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	3.913	333	336	343	rBV	38908	44908	2.84%	0.161%
2	4.319	402	405	418	rVB	395286	410089	25.97%	1.472%
3	5.384	583	586	600	rBV	416415	444776	28.17%	1.596%
4	5.519	605	609	616	rVB	479639	469585	29.74%	1.685%
5	5.766	648	651	656	rBV	731532	638245	40.42%	2.291%
6	5.943	677	681	691	rVB	425123	385016	24.38%	1.382%
7	6.413	757	761	765	rBV	270525	263805	16.71%	0.947%
8	7.260	901	905	908	rBV	1013875	899861	56.99%	3.229%
9	7.284	908	909	913	rVB	87437	65440	4.14%	0.235%
10	7.819	996	1000	1006	rBV	63513	79181	5.01%	0.284%
11	8.131	1048	1053	1057	rVB2	52448	66877	4.24%	0.240%
12	8.242	1067	1072	1075	rBV	61117	70952	4.49%	0.255%
13	8.554	1122	1125	1126	rBV	84818	66758	4.23%	0.240%
14	8.578	1126	1129	1133	rVB	613419	557936	35.33%	2.002%
15	8.895	1180	1183	1187	rBV4	35388	54743	3.47%	0.196%
16	8.989	1196	1199	1202	rBV	69605	70720	4.48%	0.254%
17	9.084	1210	1215	1218	rBV2	46404	50635	3.21%	0.182%
18	9.119	1218	1221	1224	rBV2	116072	119399	7.56%	0.429%
19	9.225	1235	1239	1245	rVV2	87133	122525	7.76%	0.440%
20	9.289	1245	1250	1253	rVB3	53443	79254	5.02%	0.284%
21	9.395	1261	1268	1272	rBV2	995352	1068543	67.67%	3.835%
22	9.436	1272	1275	1278	rVB	1229649	1050084	66.50%	3.769%
23	9.542	1289	1293	1299	rVB3	46650	84111	5.33%	0.302%
24	9.595	1299	1302	1304	rBV	75247	69471	4.40%	0.249%
25	9.648	1307	1311	1317	rBV	630491	648722	41.08%	2.328%
26	9.707	1317	1321	1325	rBV2	66512	97359	6.17%	0.349%
27	9.801	1334	1337	1340	rBV	48644	57039	3.61%	0.205%
28	9.907	1350	1355	1357	rBV5	56272	86486	5.48%	0.310%
29	10.072	1379	1383	1387	rVB	970291	908575	57.54%	3.261%
30	10.148	1392	1396	1398	rVV2	88257	130774	8.28%	0.469%
31	10.178	1398	1401	1404	rVV	146452	145350	9.20%	0.522%
32	10.236	1408	1411	1413	rVV2	75444	87239	5.52%	0.313%
33	10.272	1413	1417	1423	rVB2	233918	285182	18.06%	1.023%
34	10.372	1430	1434	1439	rBV	404613	489353	30.99%	1.756%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.425	1441	1443	1447	rVB3	47850	47584	3.01%	0.171%
36	10.536	1459	1462	1466	rVB5	49506	67209	4.26%	0.241%
37	10.595	1466	1472	1476	rBV2	248114	339630	21.51%	1.219%
38	10.748	1493	1498	1501	rBV	125221	173655	11.00%	0.623%
39	10.783	1501	1504	1507	rVV	91356	87789	5.56%	0.315%
40	10.819	1507	1510	1512	rVV4	42493	51894	3.29%	0.186%
41	10.848	1513	1515	1519	rVB2	82639	84915	5.38%	0.305%
42	11.048	1546	1549	1553	rBV2	71003	80017	5.07%	0.287%
43	11.089	1553	1556	1559	rBV	222750	204762	12.97%	0.735%
44	11.166	1566	1569	1573	rVB	118580	131144	8.31%	0.471%
45	11.219	1574	1578	1581	rBV	874869	991716	62.80%	3.559%
46	11.248	1581	1583	1587	rVV	1598465	1579049	100.00%	5.667%
47	11.313	1590	1594	1598	rVB	926801	897655	56.85%	3.222%
48	11.372	1599	1604	1608	rBV2	62917	121733	7.71%	0.437%
49	11.519	1626	1629	1632	rVV	88424	90469	5.73%	0.325%
50	11.595	1640	1642	1646	rBV4	66489	80052	5.07%	0.287%
51	11.630	1646	1648	1651	rVB	57431	50725	3.21%	0.182%
52	11.730	1663	1665	1669	rVB	56603	68606	4.34%	0.246%
53	11.842	1680	1684	1687	rBV	255218	279610	17.71%	1.003%
54	11.877	1687	1690	1695	rVV	292105	289799	18.35%	1.040%
55	11.936	1697	1700	1702	rVV	122606	134470	8.52%	0.483%
56	11.972	1703	1706	1710	rVV	449049	553954	35.08%	1.988%
57	12.001	1710	1711	1718	rVB	132328	144639	9.16%	0.519%
58	12.213	1744	1747	1750	rBV	161062	164848	10.44%	0.592%
59	12.401	1776	1779	1782	rVB2	53511	64000	4.05%	0.230%
60	12.436	1782	1785	1788	rBV	70046	71313	4.52%	0.256%
61	12.524	1796	1800	1803	rBV	149361	193717	12.27%	0.695%
62	12.566	1804	1807	1810	rVV2	95260	120472	7.63%	0.432%
63	12.636	1815	1819	1823	rVB5	79250	126670	8.02%	0.455%
64	12.713	1828	1832	1836	rBV	1446439	1412892	89.48%	5.071%
65	12.789	1842	1845	1848	rVB3	64994	80290	5.08%	0.288%
66	12.924	1865	1868	1871	rBV3	87195	95766	6.06%	0.344%
67	12.989	1874	1879	1883	rVV	1338085	1566934	99.23%	5.623%
68	13.019	1883	1884	1889	rVV3	47865	88828	5.63%	0.319%
69	13.083	1892	1895	1900	rVB2	66773	78462	4.97%	0.282%
70	13.148	1903	1906	1909	rBV	74520	85411	5.41%	0.307%
71	13.189	1909	1913	1920	rVB	506864	560265	35.48%	2.011%

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72	13.272	1924	1927	1931	rVB	73673	94436	5.98%	0.339%
73	13.401	1941	1949	1954	rVB	252612	408151	25.85%	1.465%
74	13.483	1960	1963	1967	rVB	215978	200119	12.67%	0.718%
75	13.524	1967	1970	1973	rBV2	180169	211084	13.37%	0.758%
76	13.636	1986	1989	1993	rBV	164942	159641	10.11%	0.573%
77	13.677	1993	1996	2002	rVB	120064	129593	8.21%	0.465%
78	14.007	2049	2052	2054	rBV3	43964	55915	3.54%	0.201%
79	14.030	2054	2056	2062	rVB	55173	67569	4.28%	0.242%
80	14.154	2074	2077	2080	rVV2	99365	135231	8.56%	0.485%
81	14.195	2082	2084	2086	rVV	83386	80263	5.08%	0.288%
82	14.219	2086	2088	2090	rVV	62943	53252	3.37%	0.191%
83	14.248	2090	2093	2097	rVB2	60731	81977	5.19%	0.294%
84	14.289	2097	2100	2104	rBV2	53263	55220	3.50%	0.198%
85	14.466	2125	2130	2134	rBV2	770192	1239918	78.52%	4.450%
86	14.501	2134	2136	2139	rVB	387939	341236	21.61%	1.225%
87	14.595	2148	2152	2156	rVB3	107244	143598	9.09%	0.515%
88	14.954	2208	2213	2216	rVV	132343	160758	10.18%	0.577%
89	14.995	2217	2220	2225	rVB	55558	67116	4.25%	0.241%
90	15.066	2229	2232	2235	rVB2	64333	67712	4.29%	0.243%
91	15.101	2235	2238	2239	rBV3	53037	56704	3.59%	0.204%
92	15.695	2335	2339	2342	rBV	315130	453687	28.73%	1.628%
93	15.807	2355	2358	2363	rVB	78149	91229	5.78%	0.327%
94	15.983	2385	2388	2394	rBV	295549	324931	20.58%	1.166%
95	16.042	2394	2398	2403	rBV	363699	403600	25.56%	1.448%
96	16.095	2403	2407	2411	rBV	542634	628776	39.82%	2.257%
97	16.124	2411	2412	2416	rVB	82061	54025	3.42%	0.194%
98	17.377	2621	2625	2635	rVB2	163612	301400	19.09%	1.082%
99	17.577	2657	2659	2666	rVB5	48002	71249	4.51%	0.256%
100	17.754	2684	2689	2697	rVB	164679	295941	18.74%	1.062%

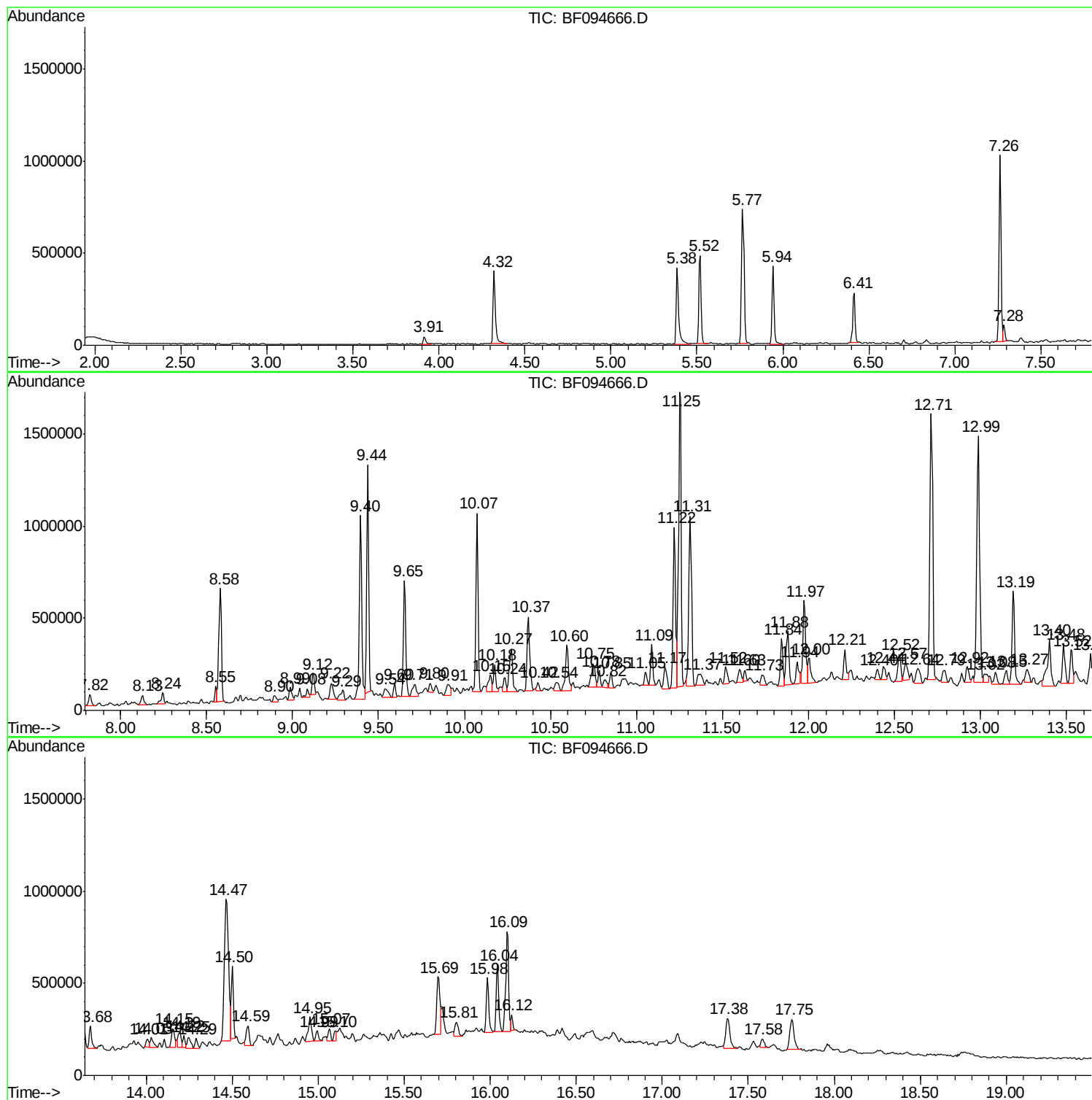
Sum of corrected areas: 27864268

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.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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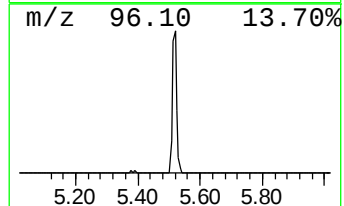
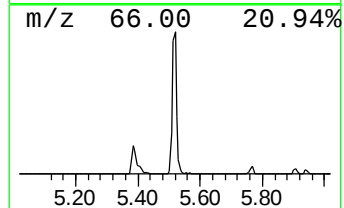
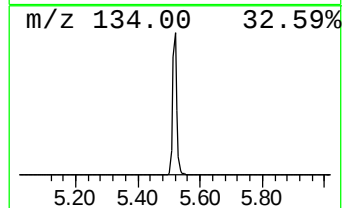
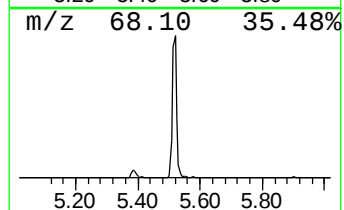
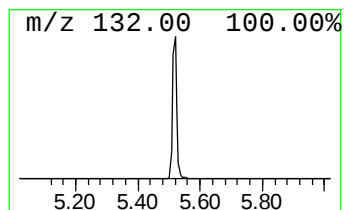
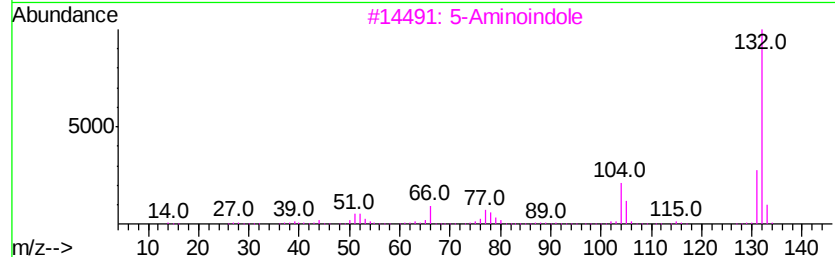
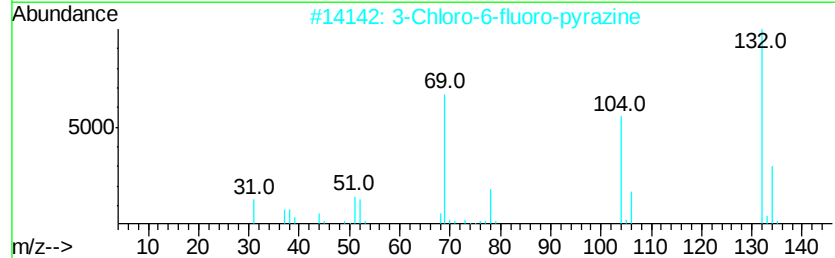
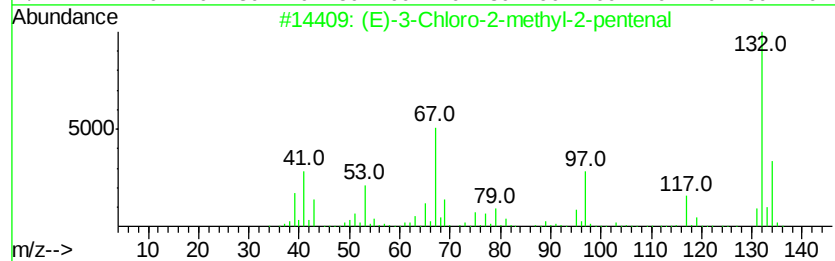
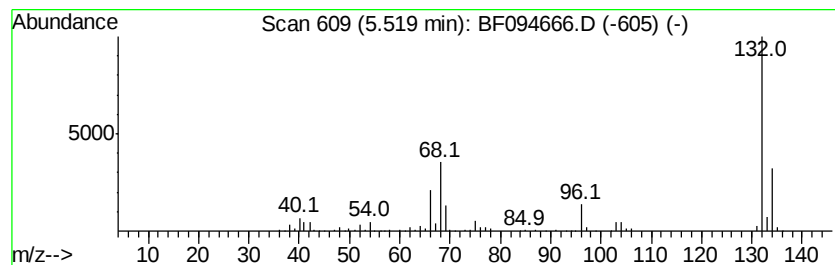
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown5.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.52	14.71 ng	469585	1,4-Dichlorobenzene-d4	5.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3		5-Aminoindole	132	C8H8N2	005192-03-0	10
4		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9



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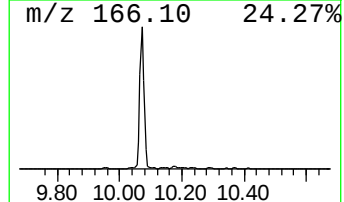
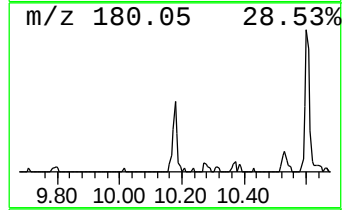
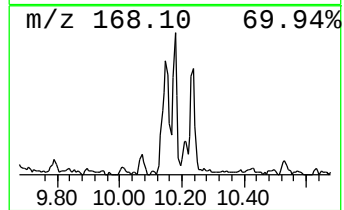
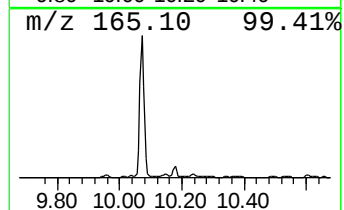
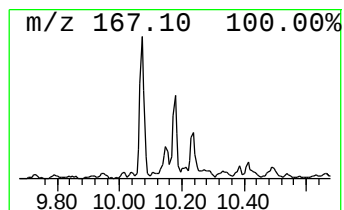
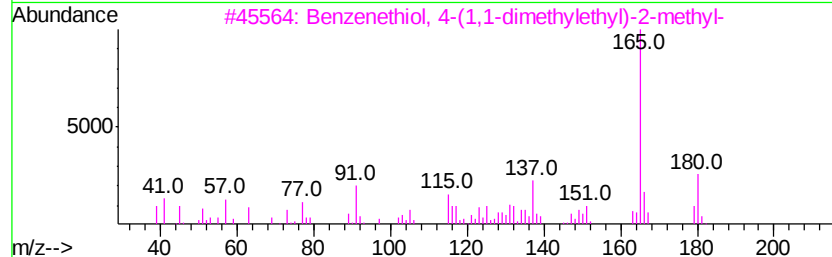
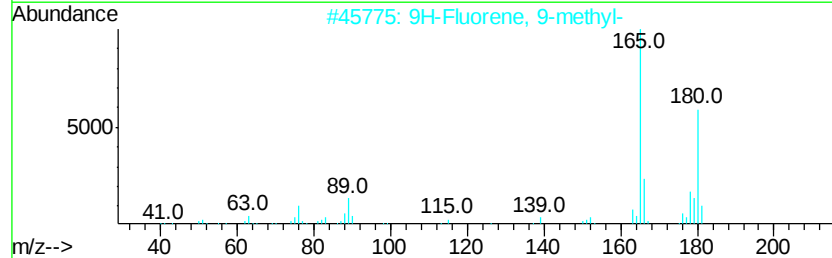
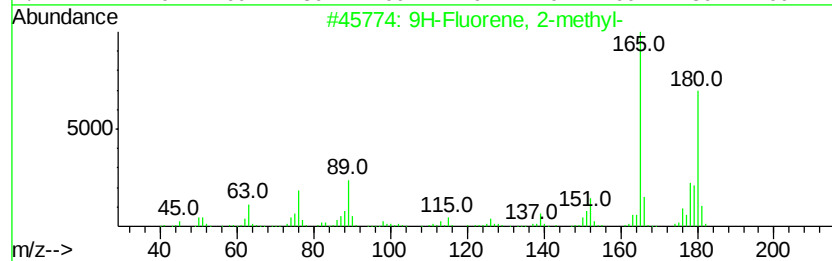
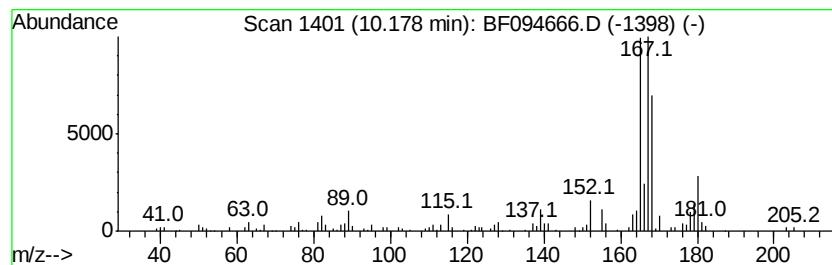
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown10.18 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.18	2.72 ng	145350	Acenaphthene-d10	9.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	46
2		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	45
3		Benzenethiol, 4-(1,1-dimethyleth...	180	C11H16S	015570-10-2	43
4		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	42
5		Diphenylmethane	168	C13H12	000101-81-5	35



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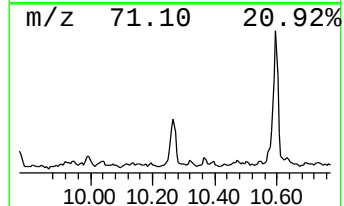
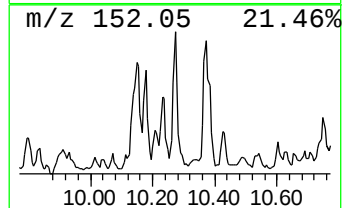
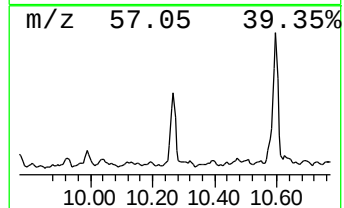
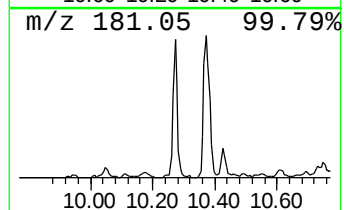
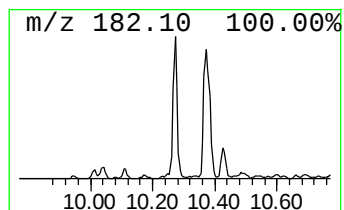
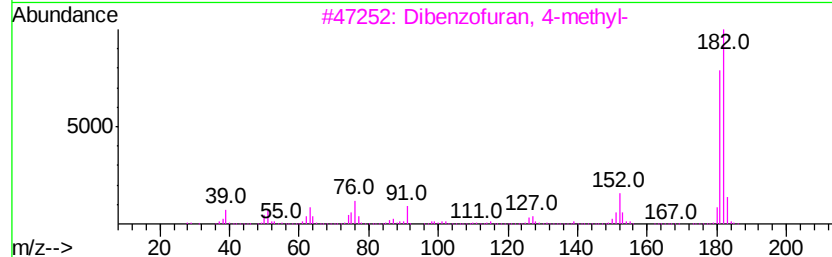
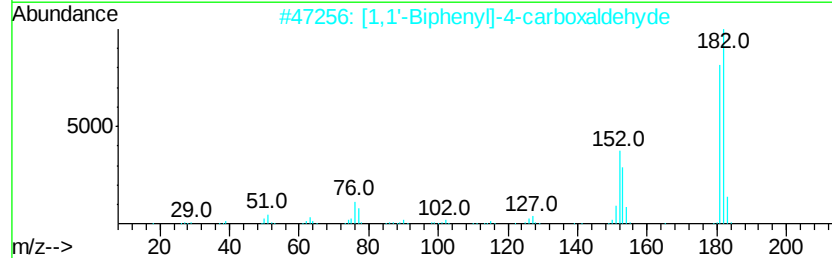
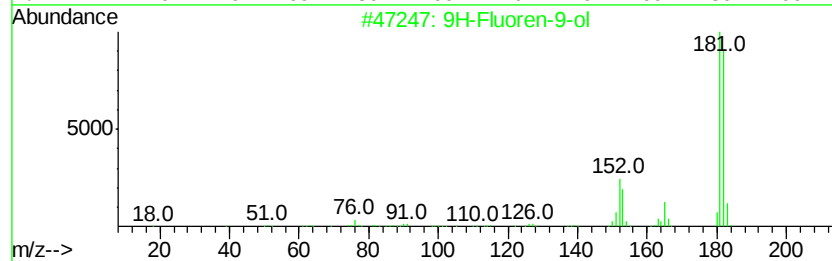
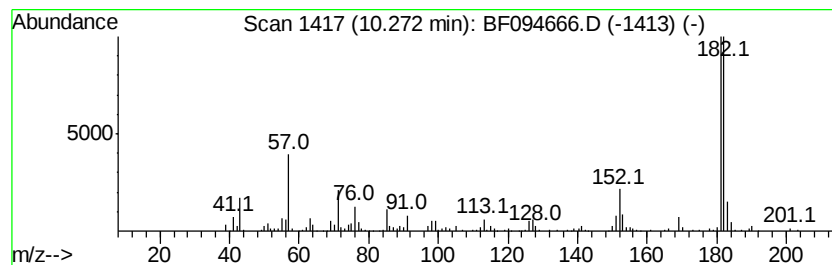
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 9H-Fluoren-9-ol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	5.34 ng	285182	Acenaphthene-d10	9.40
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	9H-Fluoren-9-ol	182 C13H10O	001689-64-1	72
2	[1,1'-Biphenyl]-4-carboxaldehyde	182 C13H10O	003218-36-8	68
3	Dibenzofuran, 4-methyl-	182 C13H10O	007320-53-8	64
4	3-(2-Naphthyl)acrylaldehyde	182 C13H10O	020884-05-3	59
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182 C13H10O	014562-09-5	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042717\
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Operator : SJ/MA
Sample : I2821-05 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

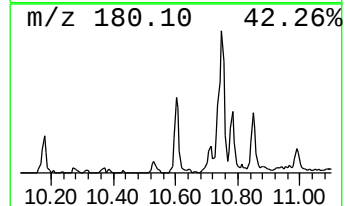
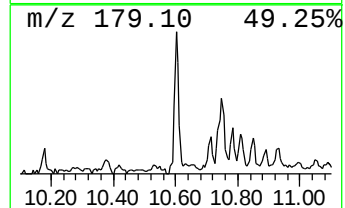
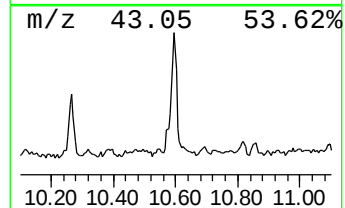
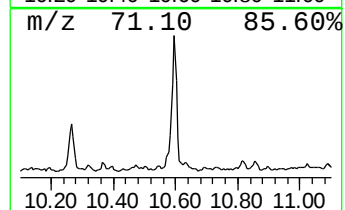
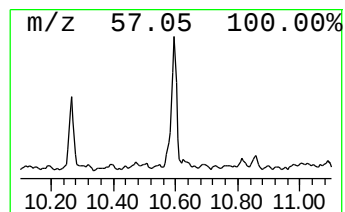
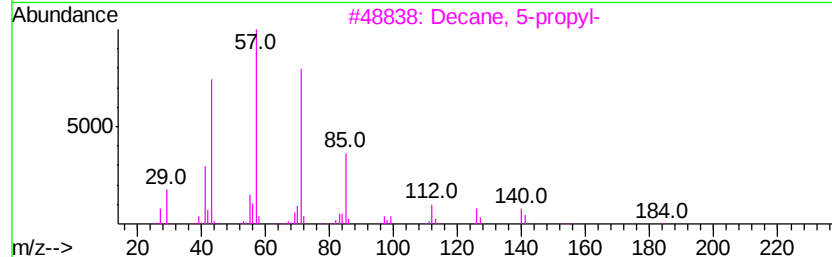
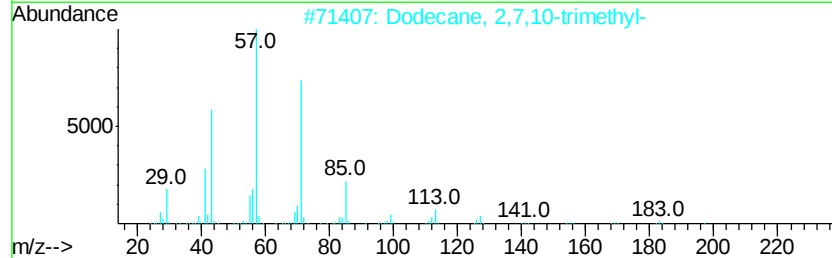
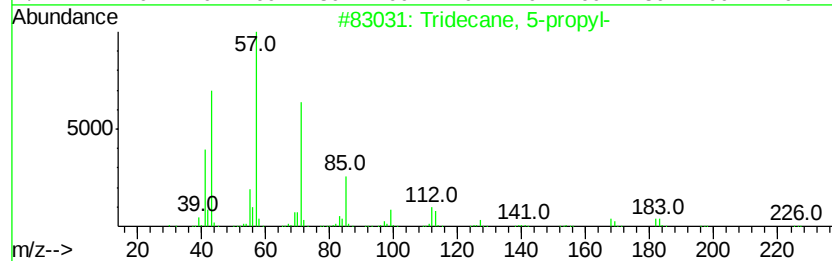
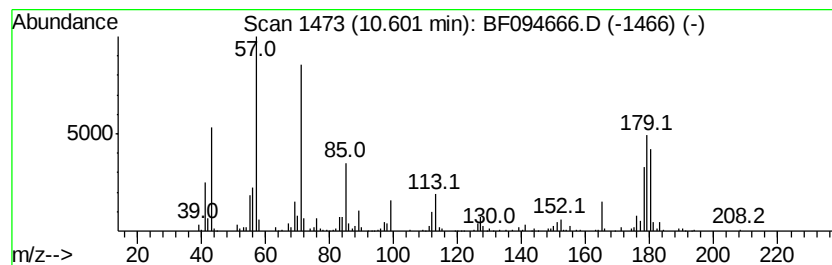
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Tridecane, 5-propyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.60	6.85 ng	339630	Phenanthrene-d10	11.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	80
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
3	Decane, 5-propyl-	184	C13H28	017312-62-8	64
4	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	64
5	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042717\
Data File : BF094666.D
Acq On : 27 Apr 2017 14:38
Operator : SJ/MA
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ClientSampleId :
HY-SB426ADL

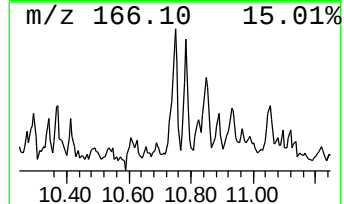
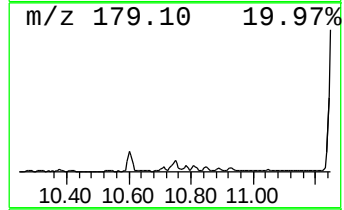
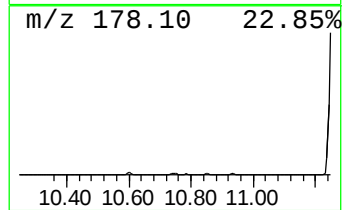
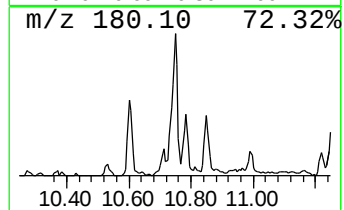
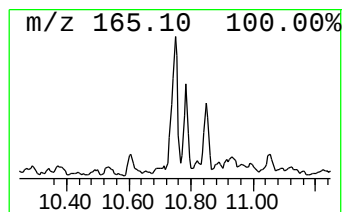
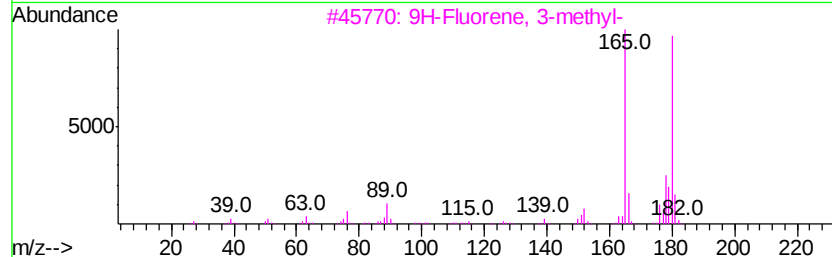
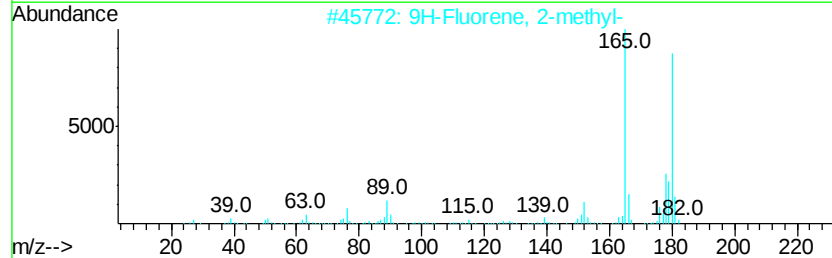
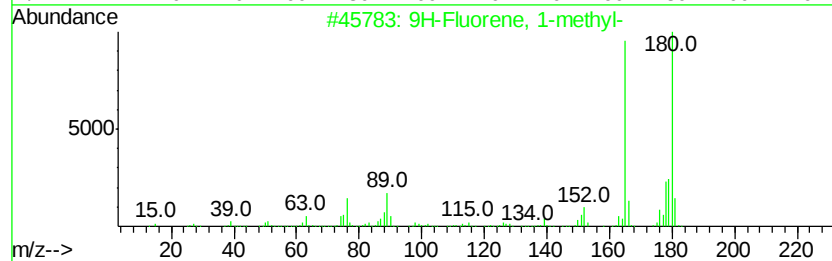
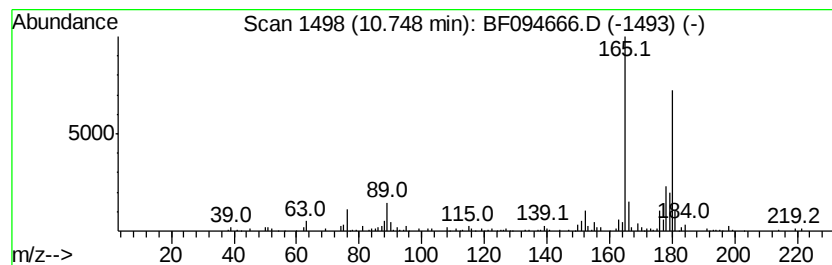
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	3.50 ng	173655	Phenanthrene-d10	11.22

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5			Phenanthrene, 1,2-dihydro-	180	C14H12	056179-83-0	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042717\
Data File : BF094666.D
Acq On : 27 Apr 2017 14:38
Operator : SJ/MA
Sample : I2821-05 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

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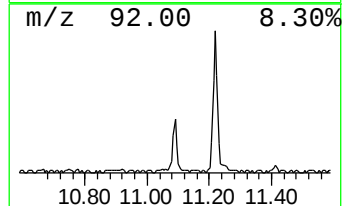
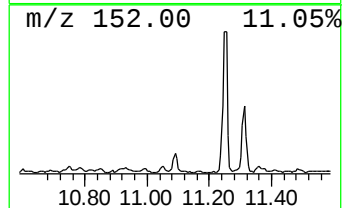
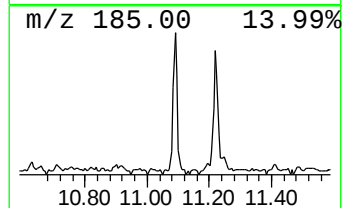
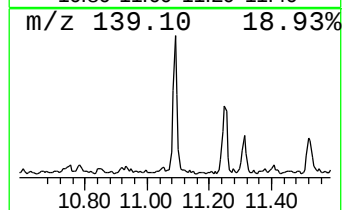
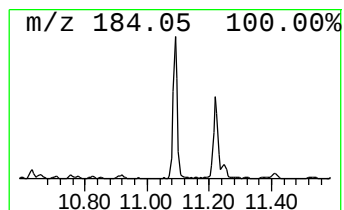
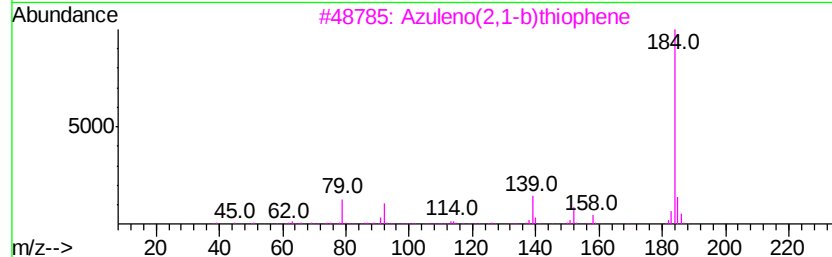
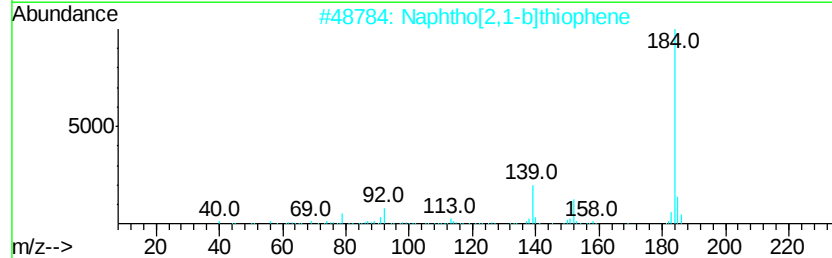
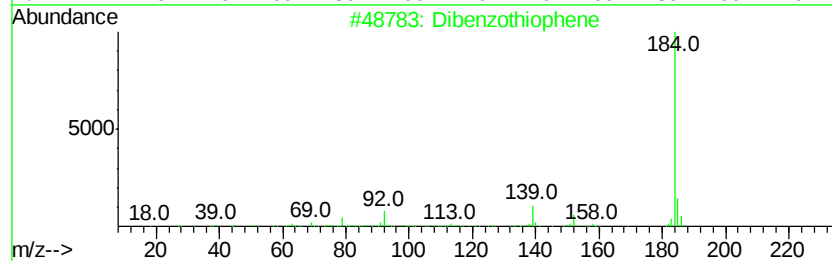
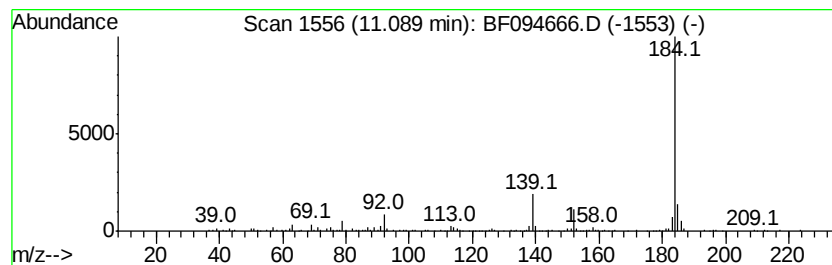
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	4.13 ng	204762	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042717\
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 Acq On : 27 Apr 2017 14:38
 Operator : SJ/MA
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 Misc :
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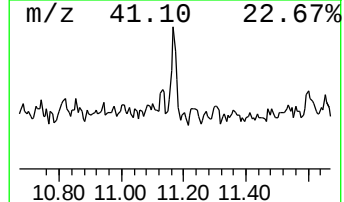
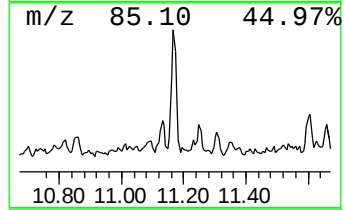
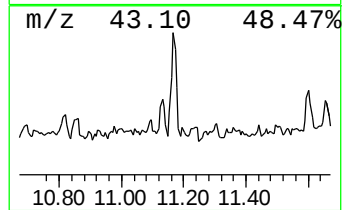
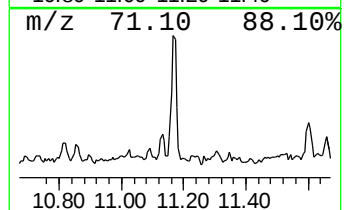
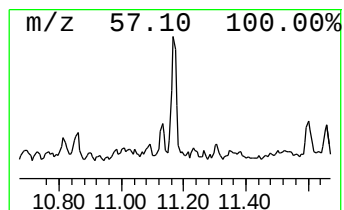
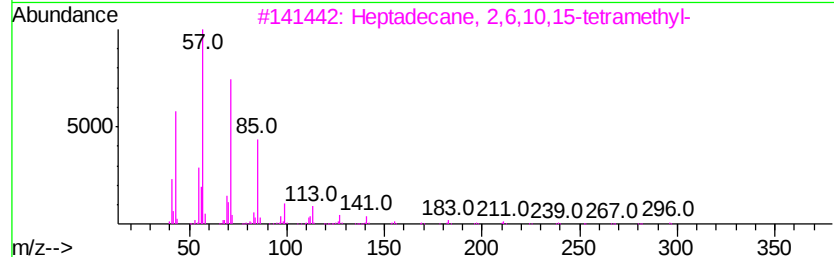
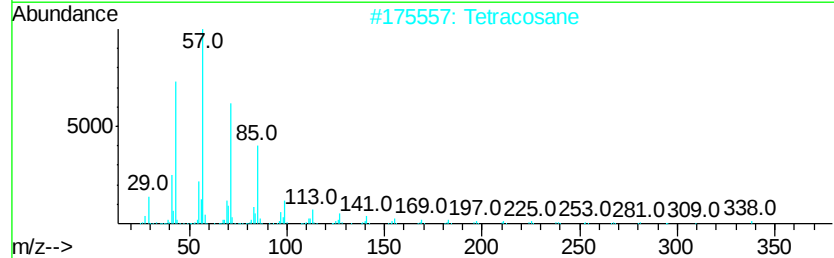
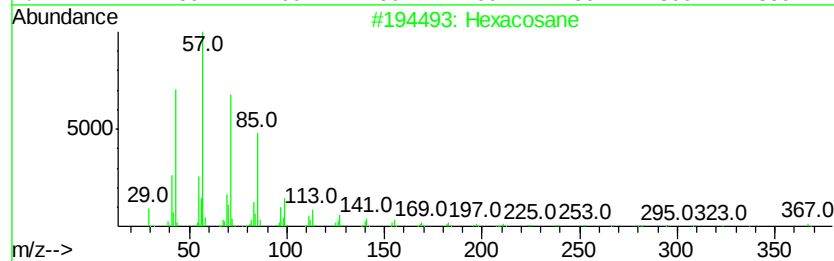
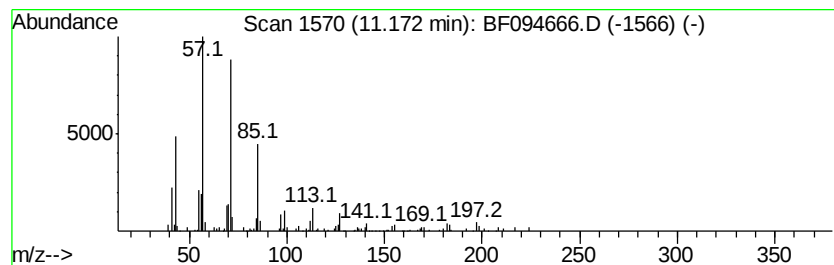
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 8 Hexacosane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	2.64 ng	131144	Phenanthrene-d10	11.22

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane		366	C26H54	000630-01-3	90
2	Tetracosane		338	C24H50	000646-31-1	90
3	Heptadecane, 2,6,10,15-tetramethyl-		296	C21H44	054833-48-6	86
4	Dodecane, 1-iodo-		296	C12H25I	004292-19-7	86
5	Hexadecane		226	C16H34	000544-76-3	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042717\
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Misc :
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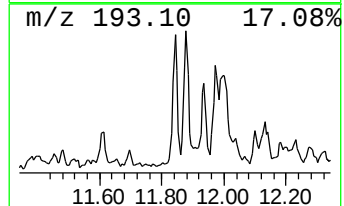
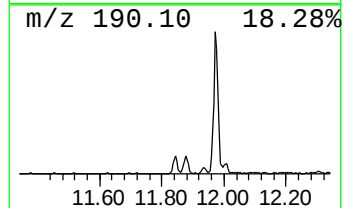
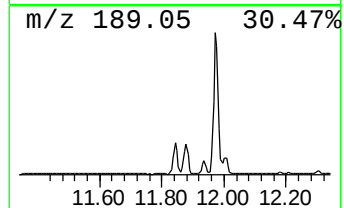
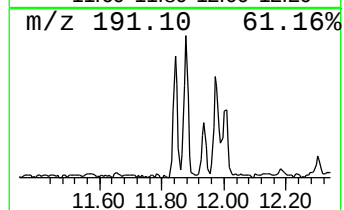
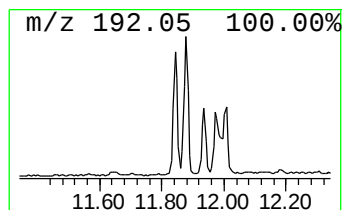
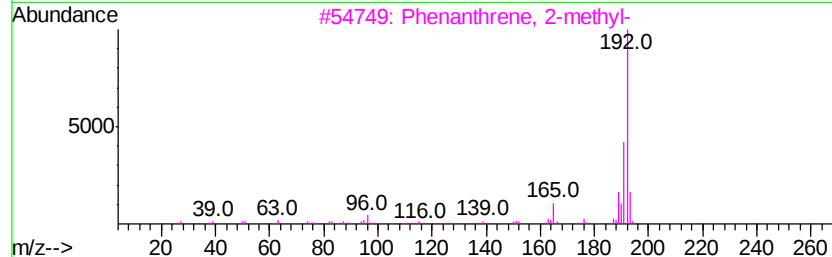
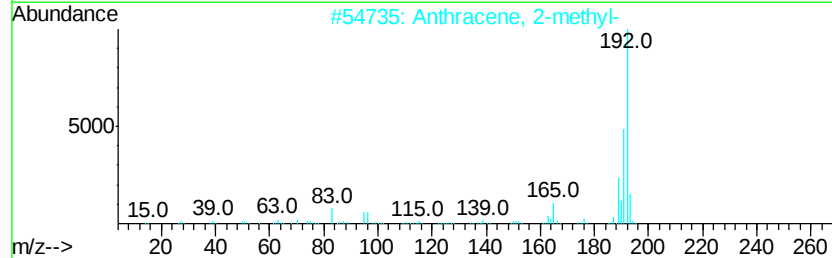
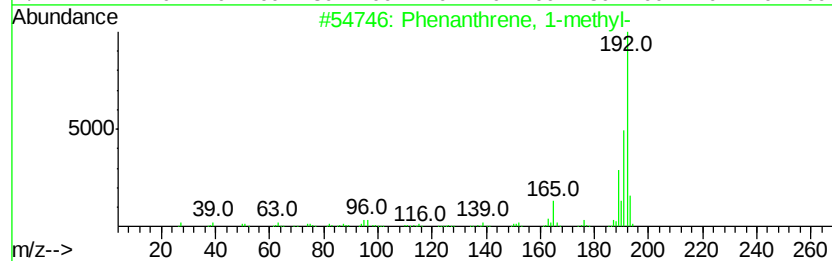
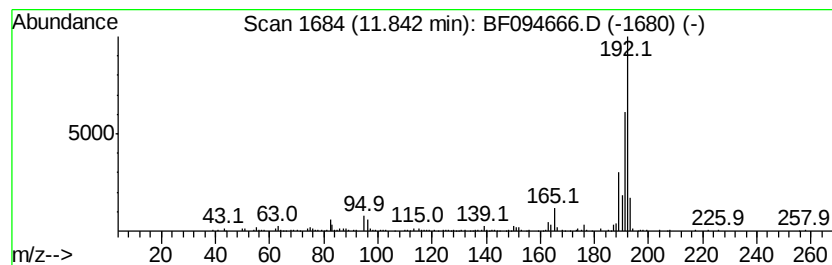
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.84	5.64 ng	279610	Phenanthrene-d10	11.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042717\
Data File : BF094666.D
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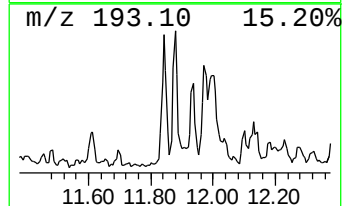
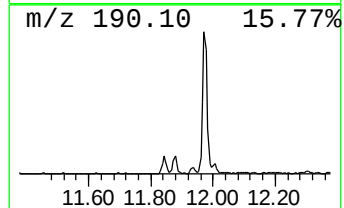
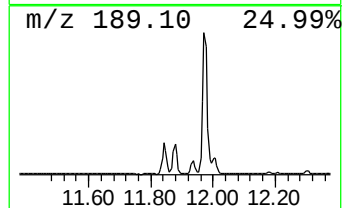
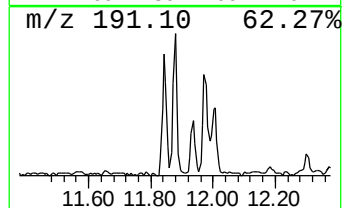
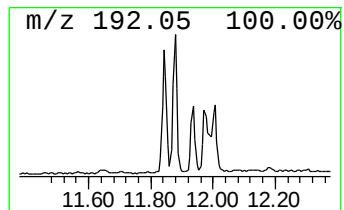
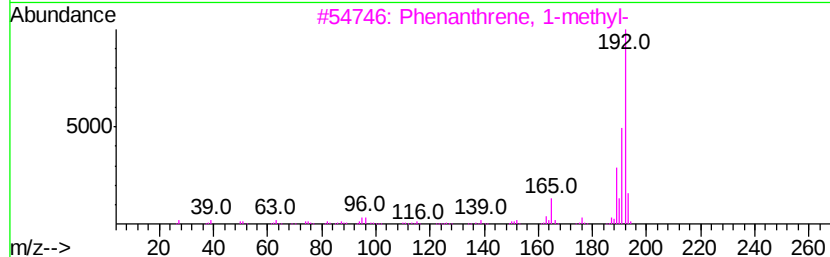
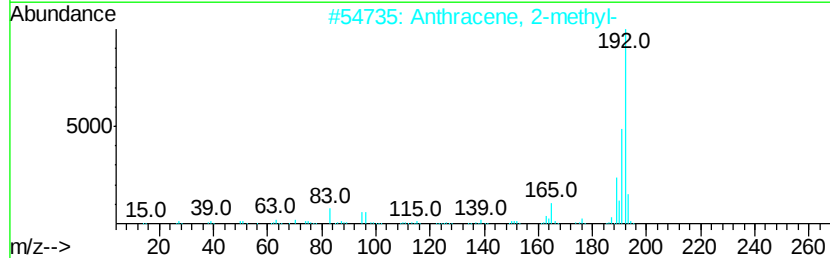
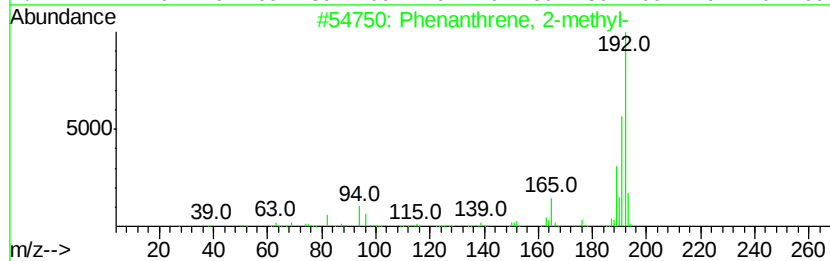
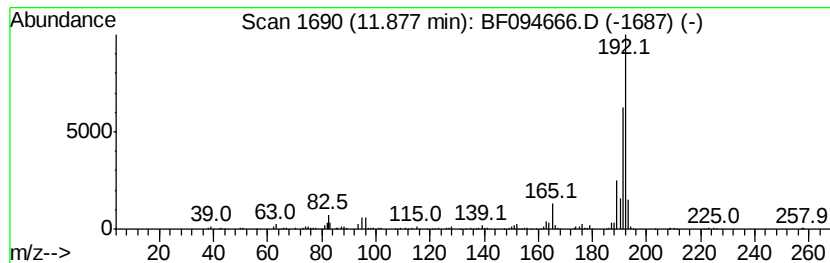
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	5.84 ng	289799	Phenanthrene-d10	11.22

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4			1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042717\
Data File : BF094666.D
Acq On : 27 Apr 2017 14:38
Operator : SJ/MA
Sample : I2821-05 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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unknown10.18	10.18	2.7	ng	145350	3	9.40	1068540	20.0
9H-Fluoren-9-ol	10.27	5.3	ng	285182	3	9.40	1068540	20.0
Tridecane, 5-propyl-	10.60	6.8	ng	339630	4	11.22	991716	20.0
9H-Fluorene, 1-me...	10.75	3.5	ng	173655	4	11.22	991716	20.0
Dibenzothiophene	11.09	4.1	ng	204762	4	11.22	991716	20.0
Hexacosane	11.17	2.6	ng	131144	4	11.22	991716	20.0
Phenanthrene, 1-m...	11.84	5.6	ng	279610	4	11.22	991716	20.0
Phenanthrene, 2-m...	11.88	5.8	ng	289799	4	11.22	991716	20.0