

Data Path : Z:\HPCHEM1\BNA F\Data\BF042617\
 Data File : BF094656.D
 Acq On : 26 Apr 2017 19:28
 Operator : SJ/MA
 Sample : I2821-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB426A

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	3.896	329	333	340	rBV	206799	235354	4.12%	0.247%
2	4.295	398	401	421	rVB	2176940	2108169	36.95%	2.208%
3	5.378	580	585	595	rBV	2122046	2218769	38.89%	2.324%
4	5.501	602	606	610	rVB	2502546	2280416	39.97%	2.389%
5	5.748	645	648	653	rBV	815927	732839	12.84%	0.768%
6	5.925	674	678	682	rBV	1807109	1767782	30.98%	1.852%
7	6.401	747	759	762	rBV	1506070	1499579	26.28%	1.571%
8	6.813	824	829	835	rVV4	103344	149343	2.62%	0.156%
9	7.242	899	902	905	rVV	1074861	1157079	20.28%	1.212%
10	7.272	905	907	910	rVV	484290	414773	7.27%	0.435%
11	7.366	921	923	927	rBV2	119747	125054	2.19%	0.131%
12	7.807	993	998	1004	rBV2	368270	429616	7.53%	0.450%
13	8.013	1031	1033	1036	rVV3	124628	135146	2.37%	0.142%
14	8.048	1037	1039	1042	rVV4	94416	129917	2.28%	0.136%
15	8.113	1046	1050	1056	rVV2	287091	369603	6.48%	0.387%
16	8.231	1064	1070	1072	rVV	341401	396729	6.95%	0.416%
17	8.542	1120	1123	1124	rVV	441812	364117	6.38%	0.381%
18	8.566	1124	1127	1131	rVB	2421414	2474272	43.37%	2.592%
19	8.654	1139	1142	1145	rBV2	152243	165262	2.90%	0.173%
20	8.683	1145	1147	1150	rVB	185870	142254	2.49%	0.149%
21	8.878	1178	1180	1184	rBV	153521	211067	3.70%	0.221%
22	8.972	1194	1196	1199	rBV	256461	256597	4.50%	0.269%
23	9.030	1203	1206	1208	rVB	241042	190226	3.33%	0.199%
24	9.072	1211	1213	1215	rBV	207080	146300	2.56%	0.153%
25	9.107	1216	1219	1222	rBV2	648513	620364	10.87%	0.650%
26	9.213	1232	1237	1243	rBV2	399930	619511	10.86%	0.649%
27	9.278	1243	1248	1251	rVB3	255664	344395	6.04%	0.361%
28	9.383	1259	1266	1269	rBV2	1116366	1517330	26.59%	1.590%
29	9.430	1269	1274	1277	rVV	3921963	4693114	82.25%	4.916%
30	9.525	1287	1290	1296	rVV3	220251	418580	7.34%	0.438%
31	9.578	1296	1299	1302	rVV	349851	333664	5.85%	0.350%
32	9.642	1305	1310	1314	rVV	2684702	2814957	49.34%	2.949%
33	9.695	1315	1319	1322	rVB2	367186	415300	7.28%	0.435%
34	9.783	1332	1334	1338	rBV	214421	251235	4.40%	0.263%

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

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35	9.819	1338	1340	1343	rVB	226841	192881	3.38%	0.202%
36	9.889	1348	1352	1355	rBV3	260810	426355	7.47%	0.447%
37	9.977	1365	1367	1369	rBV	146836	143477	2.51%	0.150%
38	10.066	1377	1382	1385	rVB	3219436	3654061	64.04%	3.828%
39	10.101	1385	1388	1390	rBV3	157939	196273	3.44%	0.206%
40	10.136	1390	1394	1396	rVV2	345950	536040	9.39%	0.562%
41	10.166	1396	1399	1401	rVB	579085	529263	9.28%	0.554%
42	10.219	1406	1408	1411	rVV	319341	283167	4.96%	0.297%
43	10.260	1411	1415	1418	rVV2	1053233	1119994	19.63%	1.173%
44	10.360	1428	1432	1437	rBV	1523042	2072429	36.32%	2.171%
45	10.413	1439	1441	1445	rVB2	204977	194564	3.41%	0.204%
46	10.589	1464	1471	1474	rBV2	1210469	1594805	27.95%	1.671%
47	10.736	1491	1496	1499	rBV	581651	842470	14.77%	0.883%
48	10.772	1499	1502	1505	rVB	347101	326178	5.72%	0.342%
49	10.807	1505	1508	1511	rBV4	158199	194321	3.41%	0.204%
50	10.836	1511	1513	1517	rVB2	324872	335213	5.88%	0.351%
51	10.901	1521	1524	1525	rBV3	188974	188162	3.30%	0.197%
52	11.036	1545	1547	1551	rVV	284977	306683	5.38%	0.321%
53	11.077	1551	1554	1557	rVB	905081	841910	14.76%	0.882%
54	11.160	1564	1568	1572	rVB	584618	650864	11.41%	0.682%
55	11.207	1572	1576	1578	rBV	682710	864741	15.16%	0.906%
56	11.254	1578	1584	1587	rVB	4019033	5705653	100.00%	5.977%
57	11.313	1587	1594	1597	rVB	2921194	3385724	59.34%	3.547%
58	11.348	1597	1600	1601	rBV	254135	274292	4.81%	0.287%
59	11.472	1619	1621	1624	rBV	172296	158645	2.78%	0.166%
60	11.507	1624	1627	1631	rBV	393704	433478	7.60%	0.454%
61	11.589	1638	1641	1644	rBV3	320195	414715	7.27%	0.434%
62	11.619	1644	1646	1649	rVB	266857	233377	4.09%	0.244%
63	11.836	1679	1683	1685	rBV	921746	1020592	17.89%	1.069%
64	11.866	1685	1688	1694	rVV	996806	1131303	19.83%	1.185%
65	11.924	1695	1698	1701	rVV	444424	491116	8.61%	0.514%
66	11.966	1701	1705	1708	rVV	1716217	2001248	35.07%	2.096%
67	11.995	1708	1710	1716	rVB	553462	588200	10.31%	0.616%
68	12.201	1742	1745	1748	rBV	602326	611869	10.72%	0.641%
69	12.430	1781	1784	1787	rBV	254962	302703	5.31%	0.317%
70	12.524	1796	1800	1803	rBV	416925	533032	9.34%	0.558%
71	12.636	1816	1819	1823	rVB3	329425	430939	7.55%	0.451%

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72	12.724	1827	1834	1837	rVV	3415674	4716708	82.67%	4.941%
73	12.783	1841	1844	1848	rVB3	212043	268421	4.70%	0.281%
74	12.995	1873	1880	1882	rBV3	3061979	4805909	84.23%	5.035%
75	13.077	1892	1894	1900	rVB2	233968	282851	4.96%	0.296%
76	13.136	1901	1904	1908	rBV	254112	331837	5.82%	0.348%
77	13.189	1908	1913	1919	rVB	1556136	1919696	33.65%	2.011%
78	13.265	1923	1926	1929	rVB	250674	316347	5.54%	0.331%
79	13.395	1945	1948	1953	rVB	854488	1072446	18.80%	1.123%
80	13.477	1959	1962	1966	rVB	701707	720335	12.62%	0.755%
81	13.518	1966	1969	1972	rBV	656182	785897	13.77%	0.823%
82	13.630	1985	1988	1991	rBV	547172	563115	9.87%	0.590%
83	13.671	1991	1995	2001	rVB	451322	529491	9.28%	0.555%
84	14.148	2072	2076	2079	rBV2	423807	595059	10.43%	0.623%
85	14.213	2085	2087	2089	rVB	209479	152335	2.67%	0.160%
86	14.236	2089	2091	2096	rVB2	202114	302956	5.31%	0.317%
87	14.283	2096	2099	2102	rBV	203439	239175	4.19%	0.251%
88	14.460	2123	2129	2132	rBV2	1630116	2724581	47.75%	2.854%
89	14.501	2133	2136	2139	rVB	1509300	1549342	27.15%	1.623%
90	14.589	2147	2151	2154	rVB3	412249	575803	10.09%	0.603%
91	14.907	2202	2205	2207	rBV2	197809	267061	4.68%	0.280%
92	14.948	2210	2212	2216	rVB	455521	516670	9.06%	0.541%
93	15.060	2229	2231	2234	rVB2	242198	224350	3.93%	0.235%
94	15.707	2336	2341	2349	rVB	1208527	2655799	46.55%	2.782%
95	15.989	2385	2389	2395	rBV	1008708	1292820	22.66%	1.354%
96	16.048	2395	2399	2403	rBV	1410159	1703090	29.85%	1.784%
97	16.101	2405	2408	2410	rVV	469776	553006	9.69%	0.579%
98	16.124	2410	2412	2416	rVB	331356	335103	5.87%	0.351%
99	17.389	2622	2627	2634	rVB2	598124	1107910	19.42%	1.161%
100	17.765	2686	2691	2698	rVB	547876	1009782	17.70%	1.058%

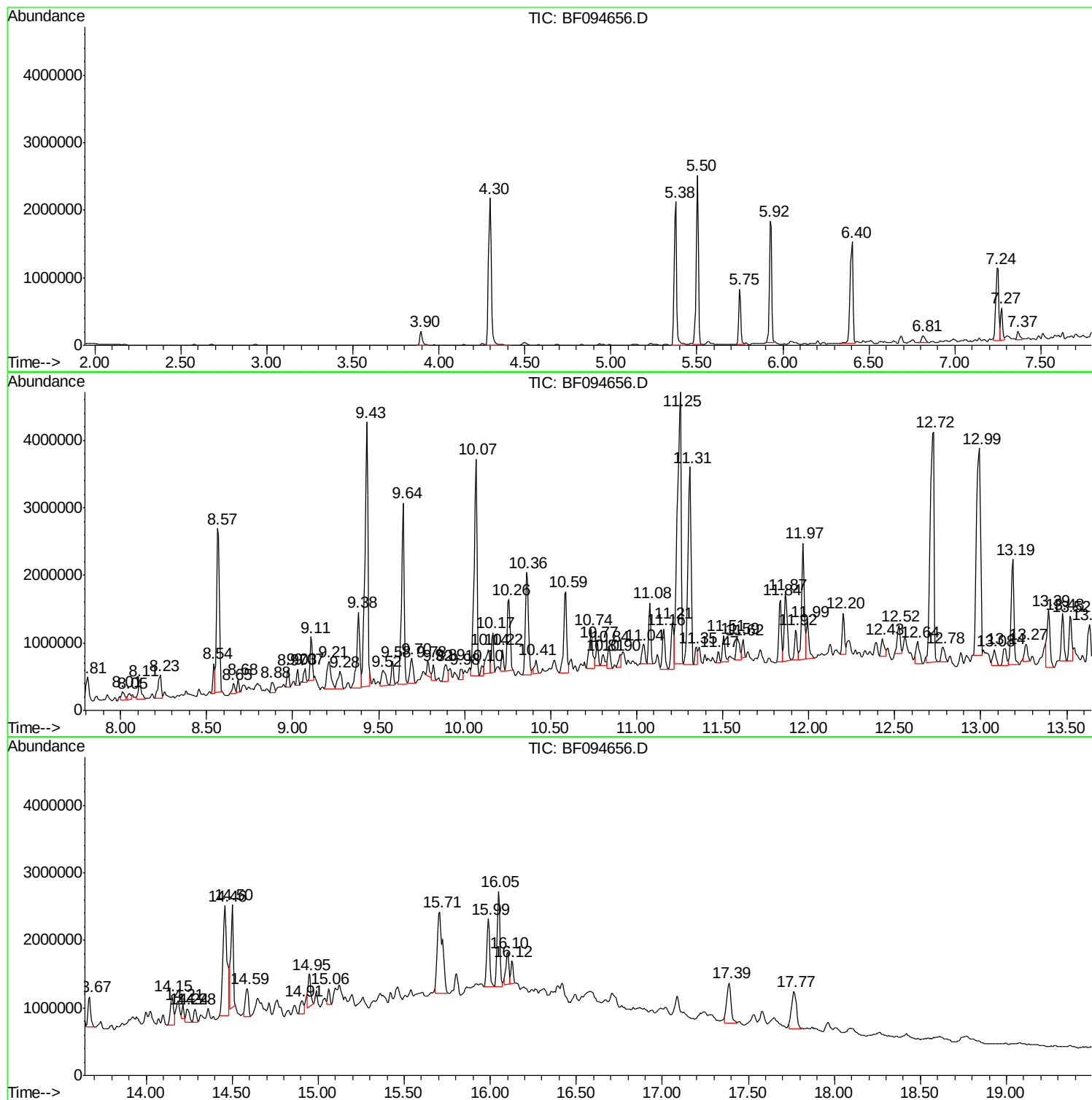
Sum of corrected areas: 95457345

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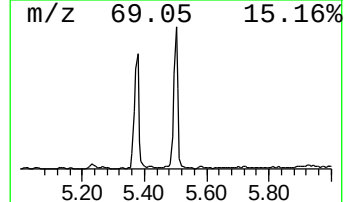
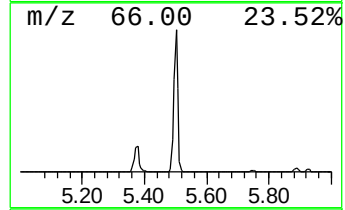
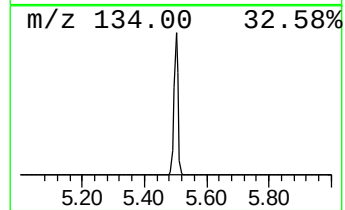
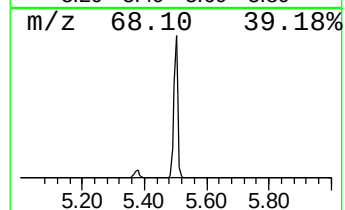
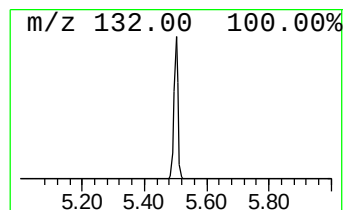
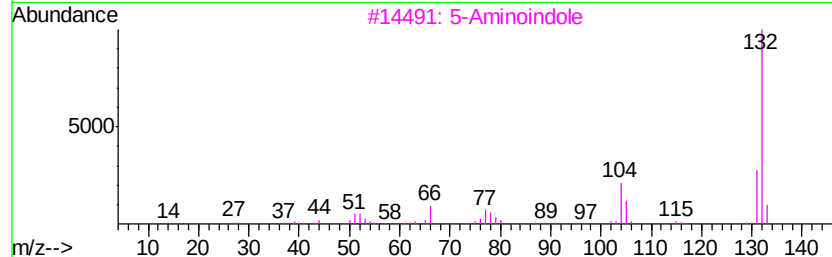
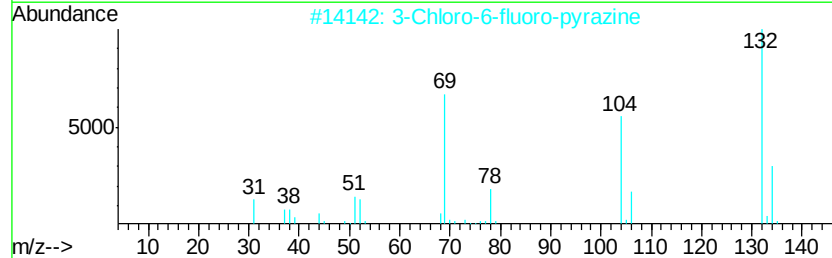
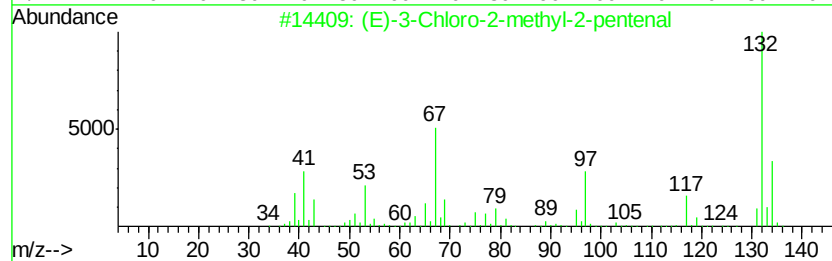
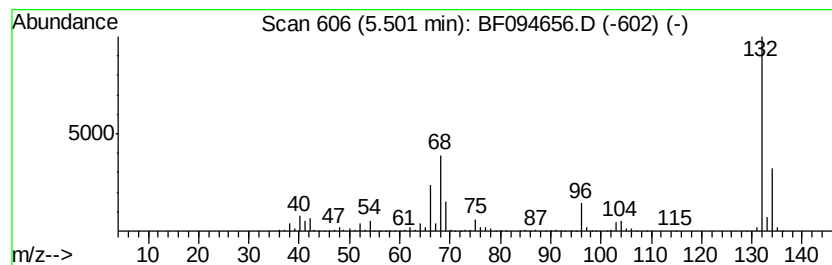
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown5.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.50	62.24 ng	2280420	1,4-Dichlorobenzene-d4	5.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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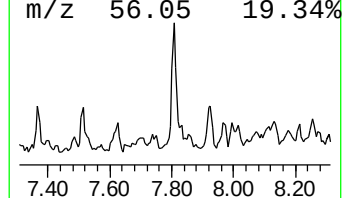
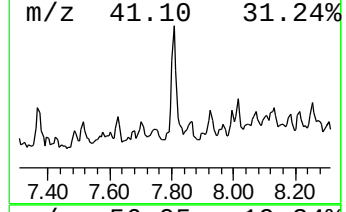
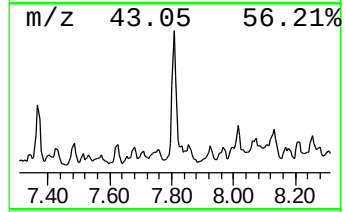
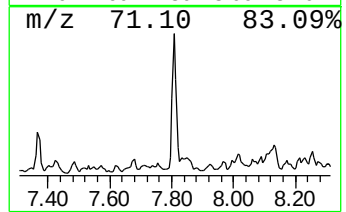
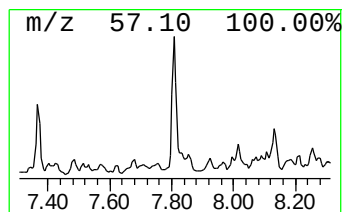
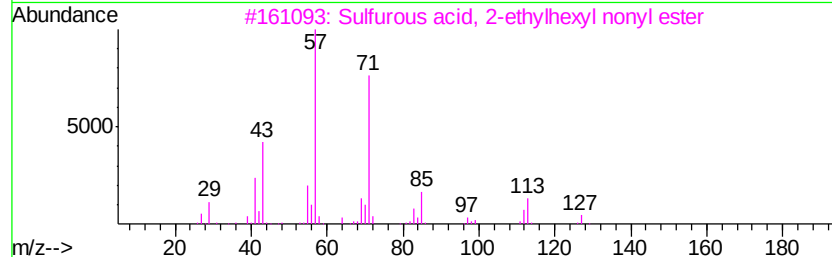
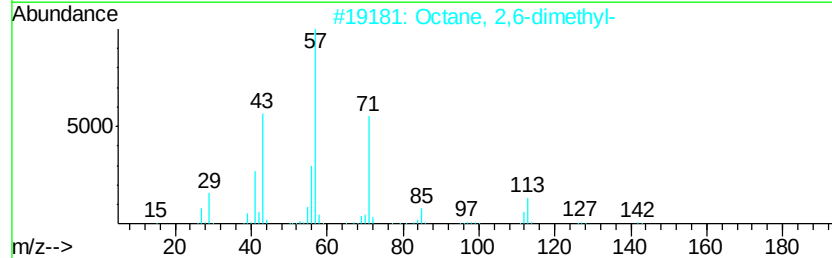
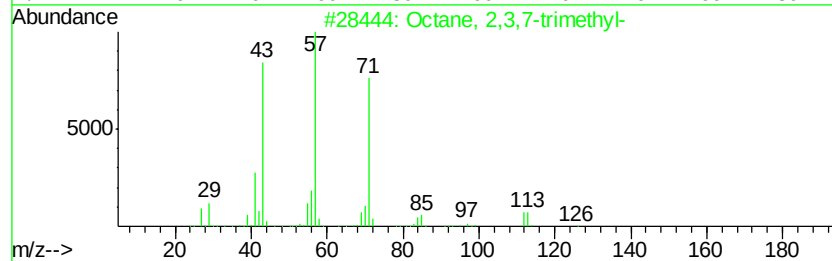
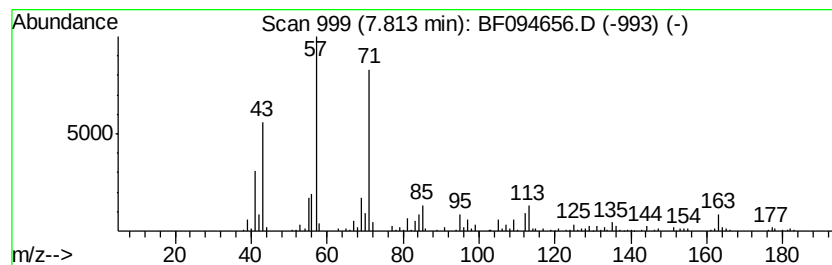
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Peak Number 3 Octane, 2,3,7-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.81	7.43 ng	429616	Napthalene-d8	7.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	78
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
3		Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	72
4		Oxalic acid, 2-ethylhexyl hexyl ...	286	C16H30O4	1000309-38-9	64
5		Oxalic acid, butyl neopentyl ester	216	C11H20O4	1000309-72-8	53



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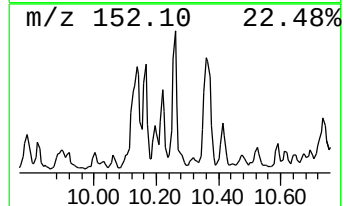
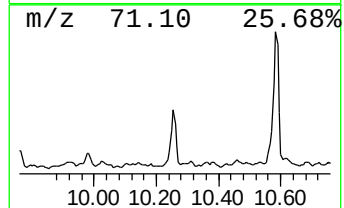
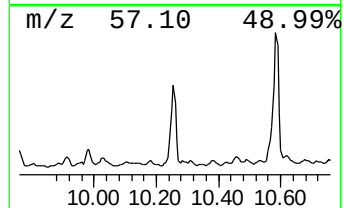
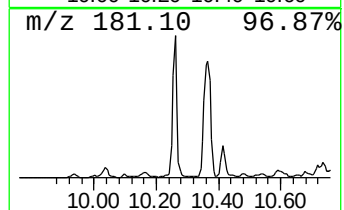
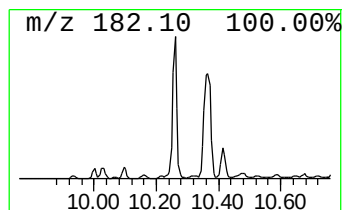
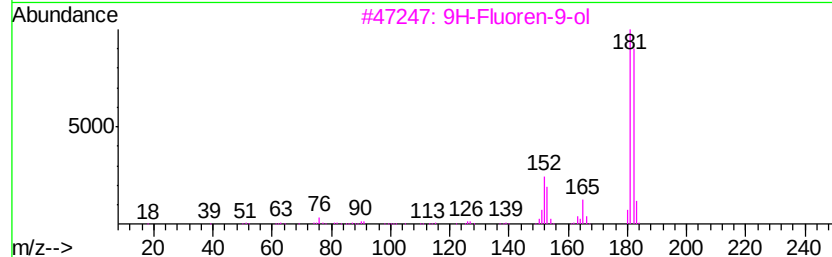
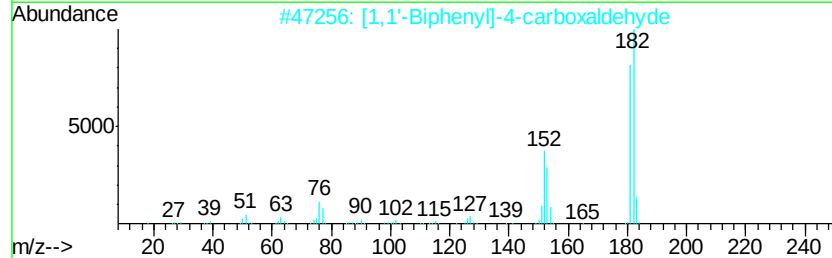
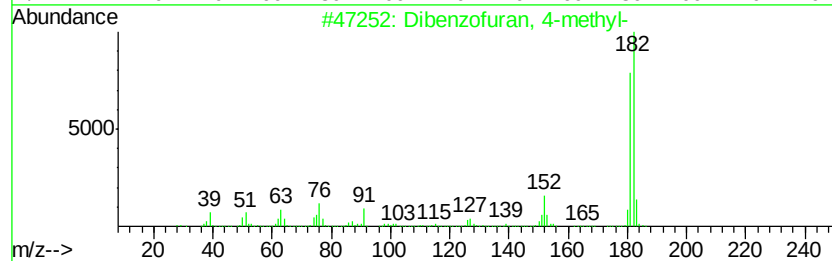
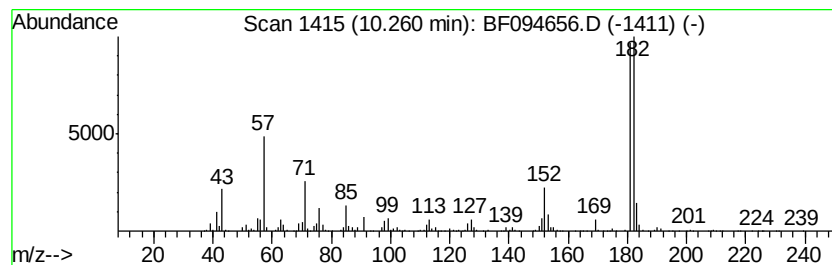
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Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.26	14.76 ng	1119990	Acenaphthene-d10	9.38	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	70
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	64
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	59



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Data File : BF094656.D
Acq On : 26 Apr 2017 19:28
Operator : SJ/MA
Sample : I2821-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

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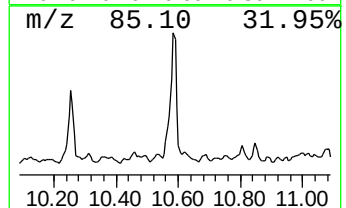
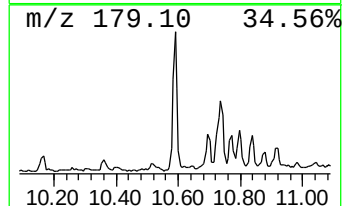
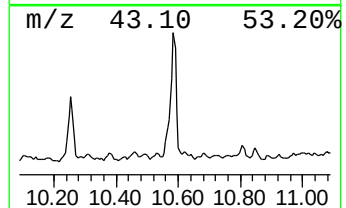
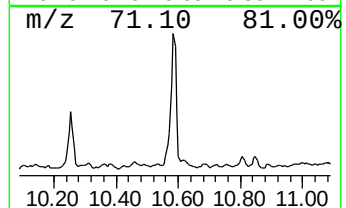
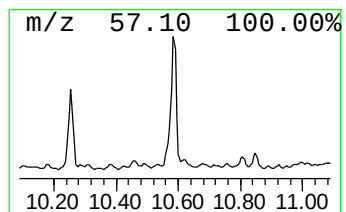
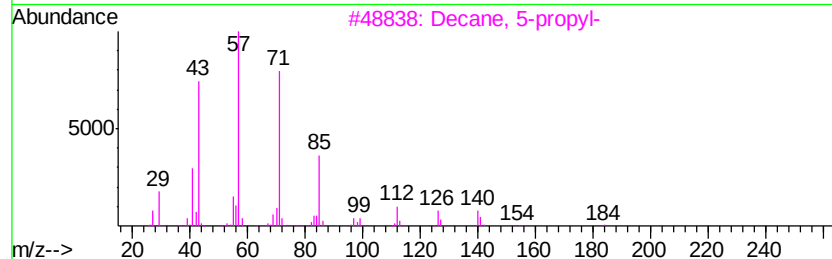
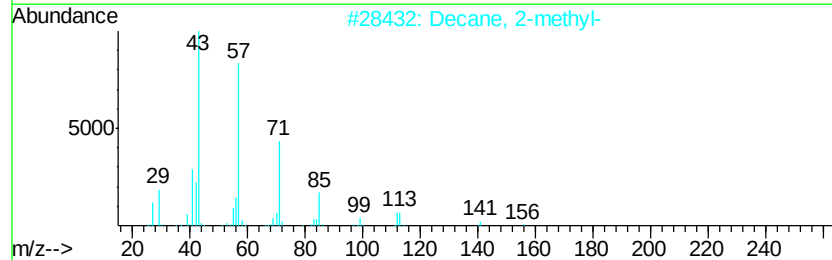
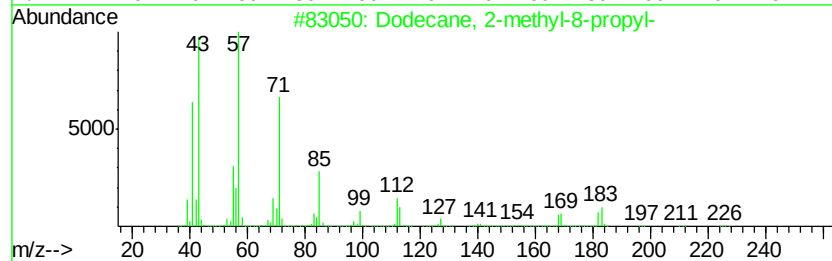
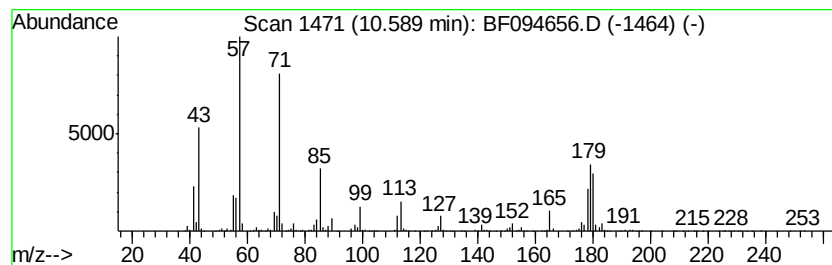
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dodecane, 2-methyl-8-propyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	36.89 ng	1594810	Phenanthrene-d10	11.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	64
2		Decane, 2-methyl-	156	C11H24	006975-98-0	58
3		Decane, 5-propyl-	184	C13H28	017312-62-8	55
4		Tridecane, 5-propyl-	226	C16H34	055045-11-9	49
5		Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	49



Data Path : Z:\HPCHEM1\BNA F\Data\BF042617\
Data File : BF094656.D
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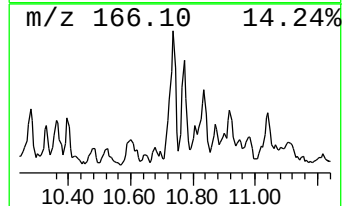
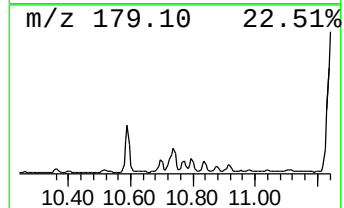
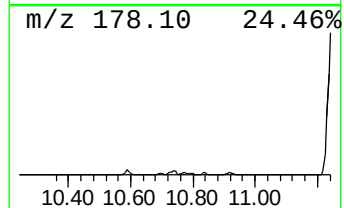
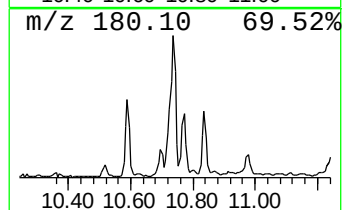
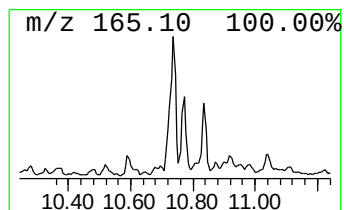
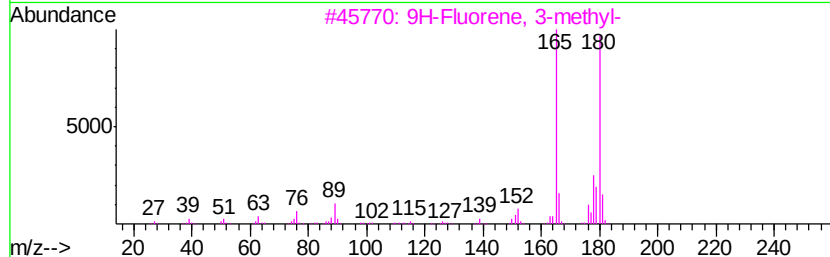
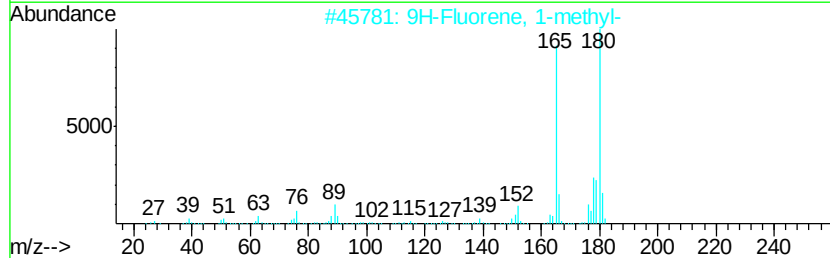
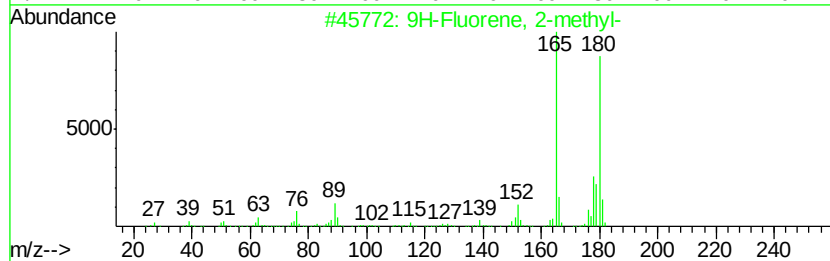
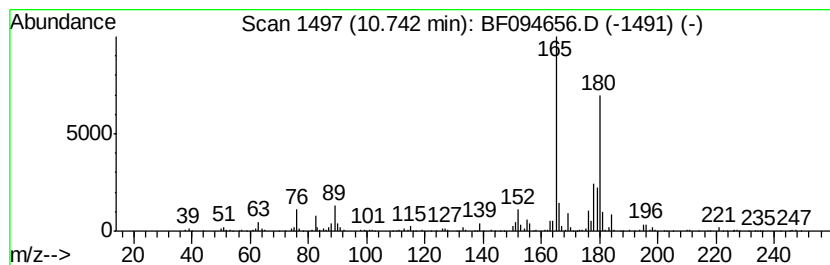
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.74	19.48 ng	842470	Phenanthrene-d10	11.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	87
5		(E)-Stilbene	180	C14H12	000103-30-0	52



Data Path : Z:\HPCHEM1\BNA F\Data\BF042617\
Data File : BF094656.D
Acq On : 26 Apr 2017 19:28
Operator : SJ/MA
Sample : I2821-05
Misc :
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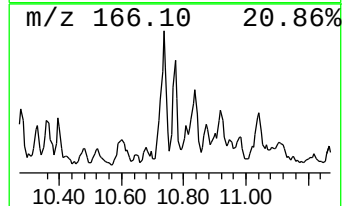
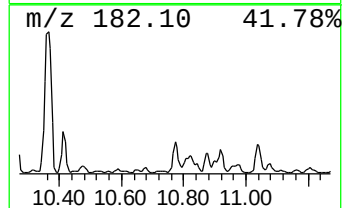
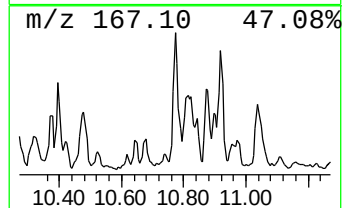
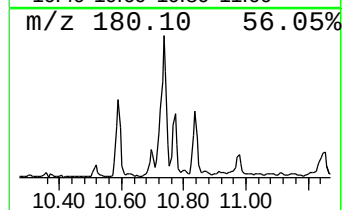
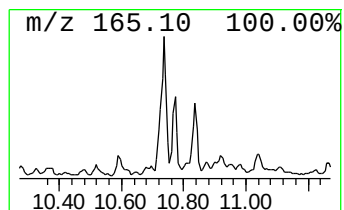
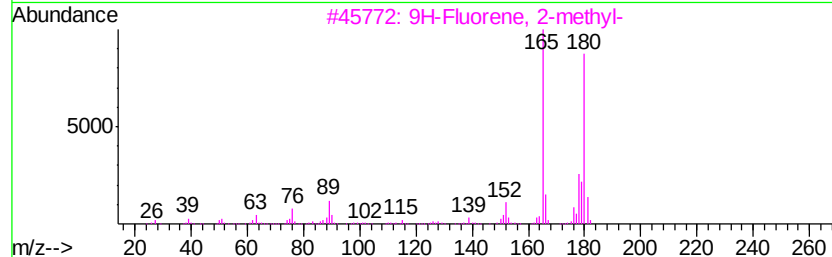
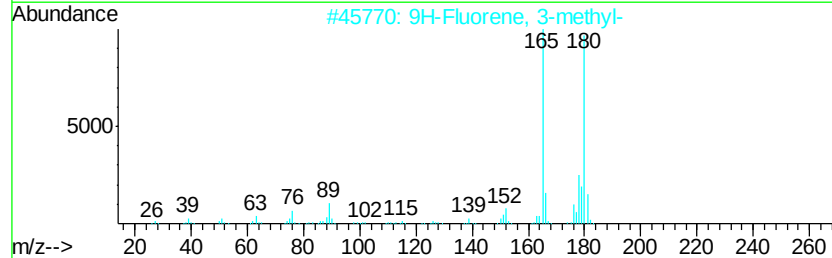
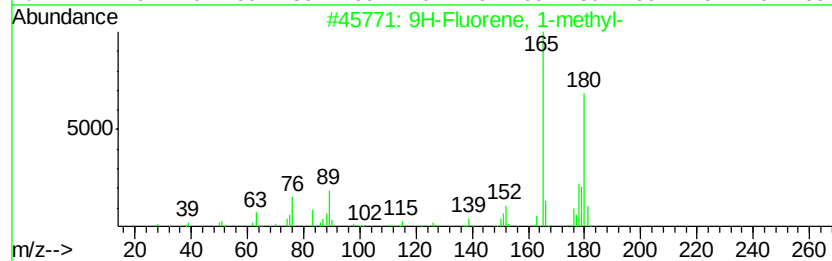
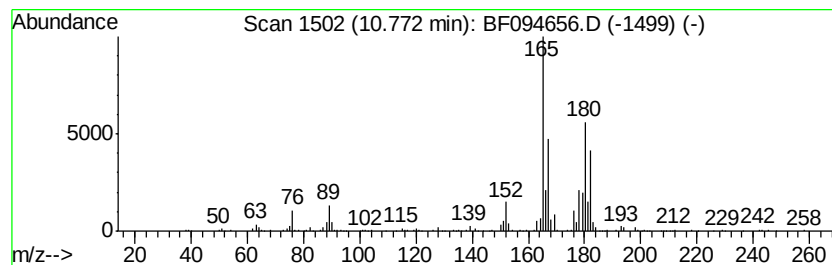
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9H-Fluorene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	7.54 ng	326178	Phenanthrene-d10	11.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	70
2		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	55
3		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	55
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	50
5		3-Chloro-benzalacetone	180	C10H9ClO	1000146-90-5	49



Data Path : Z:\HPCHEM1\BNA F\Data\BF042617\
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Sample : I2821-05
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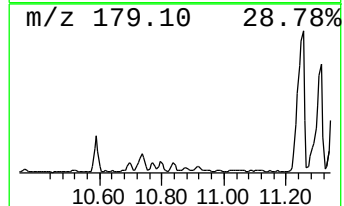
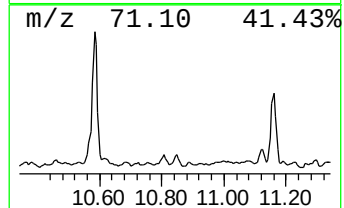
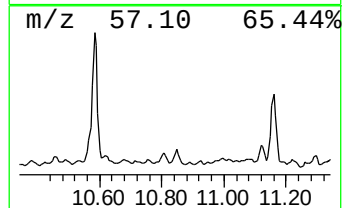
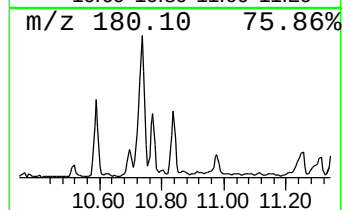
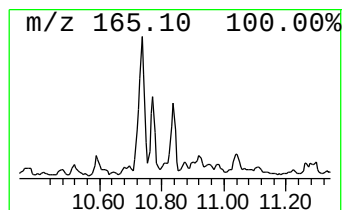
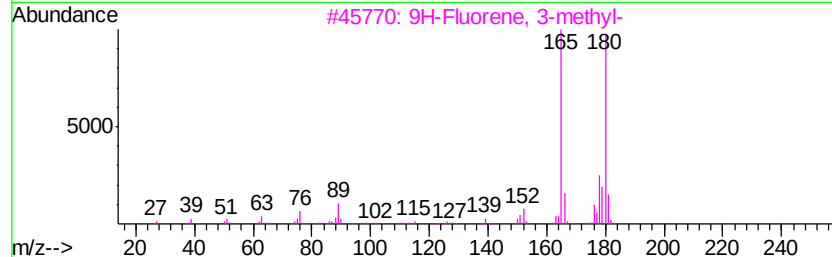
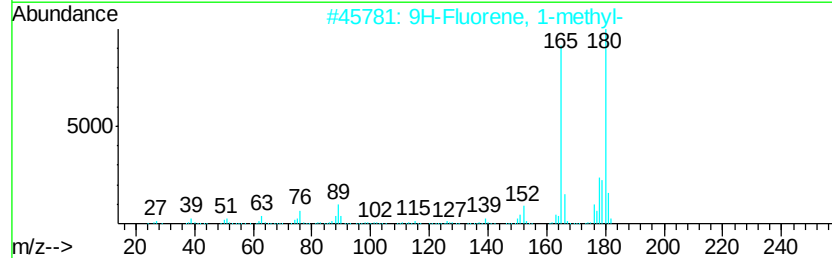
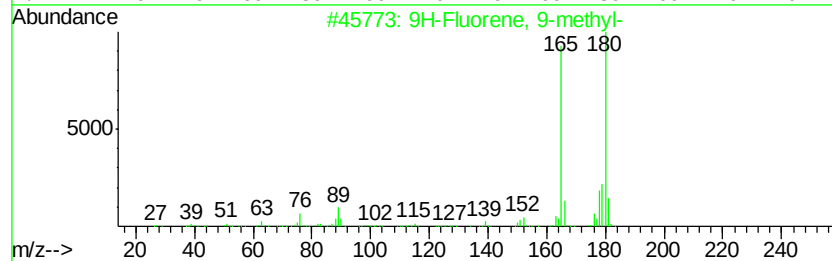
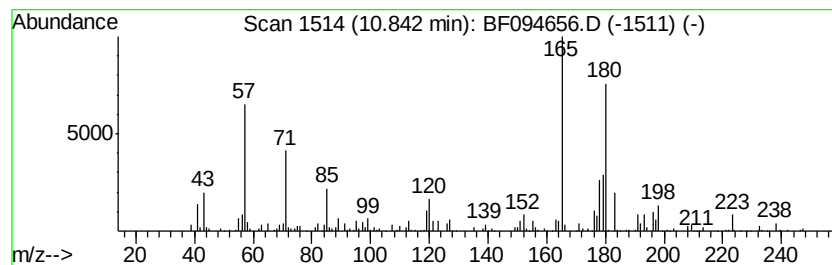
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 9H-Fluorene, 9-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.84	7.75 ng	335213	Phenanthrene-d10		11.21	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-		180	C14H12	002523-37-7	90
2	9H-Fluorene, 1-methyl-		180	C14H12	001730-37-6	81
3	9H-Fluorene, 3-methyl-		180	C14H12	002523-39-9	68
4	9H-Fluorene, 2-methyl-		180	C14H12	001430-97-3	64
5	4-Ethylphenoxyacetic acid		180	C10H12O3	024431-27-4	58



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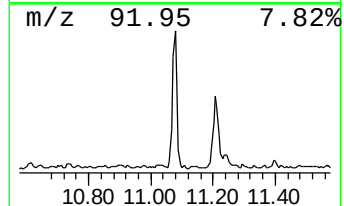
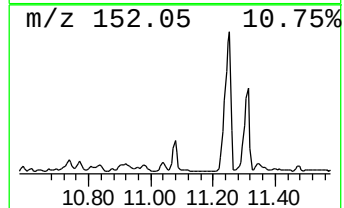
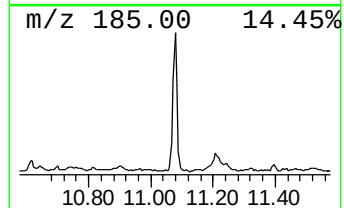
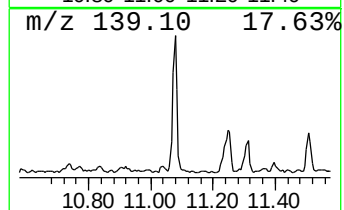
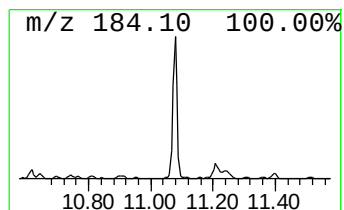
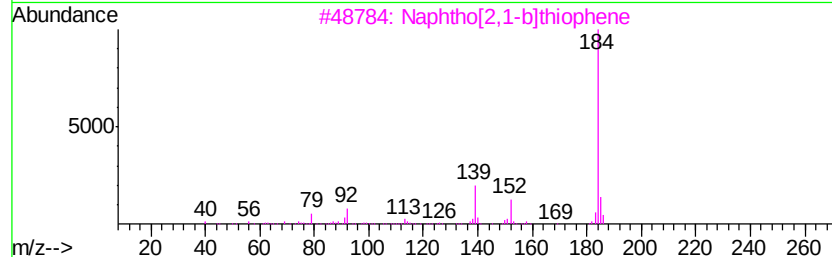
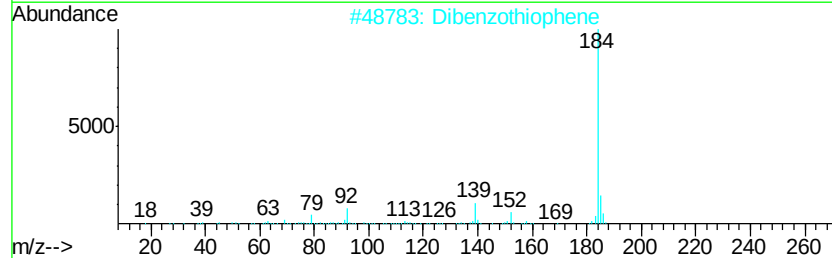
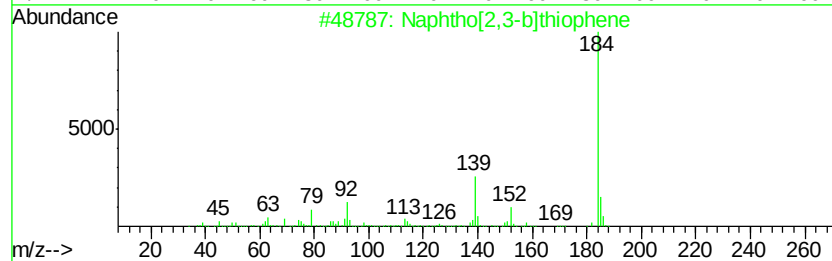
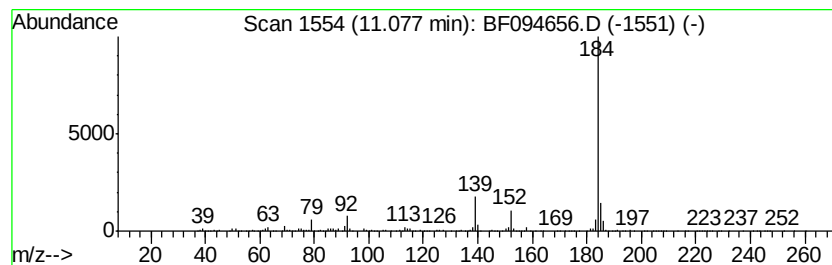
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphtho[2,3-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.		
11.08	19.47 ng	841910	Phenanthrene-d10		11.21		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2			Dibenzothiophene	184	C12H8S	000132-65-0	97
3			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : Z:\HPCHEM1\BNA F\Data\BF042617\
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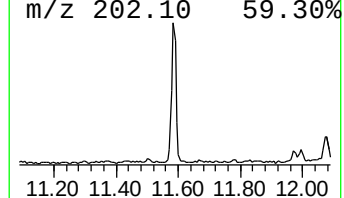
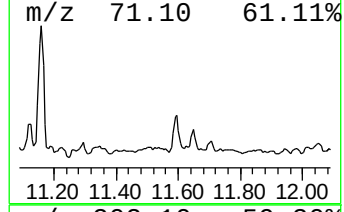
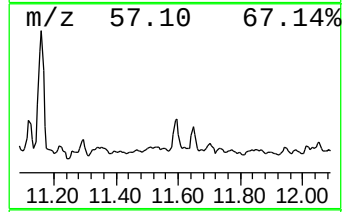
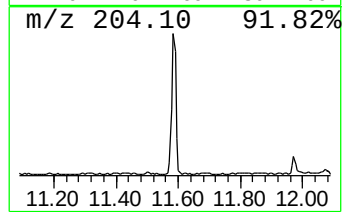
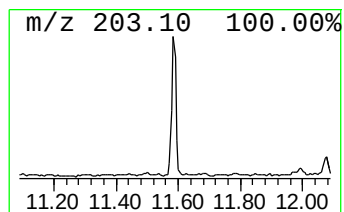
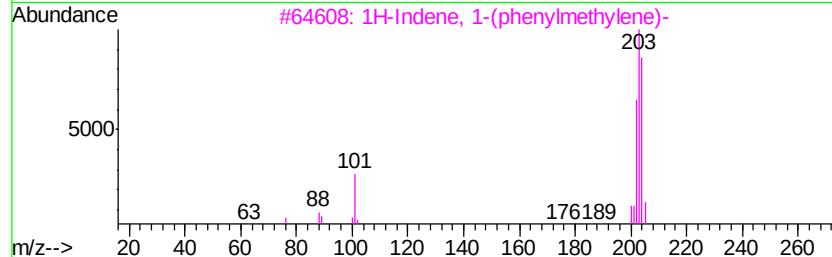
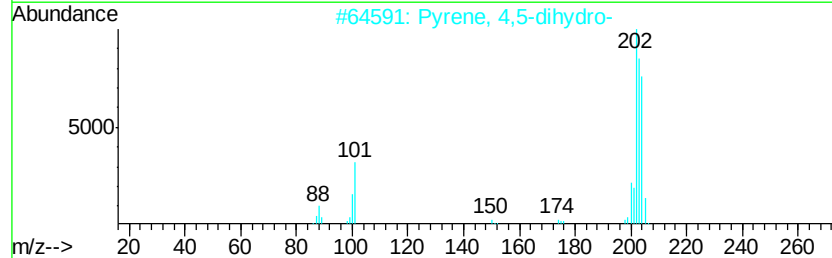
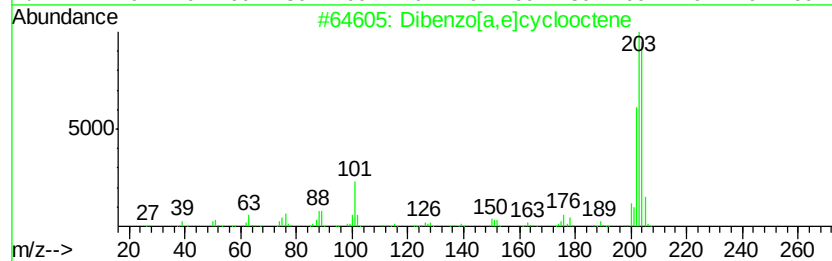
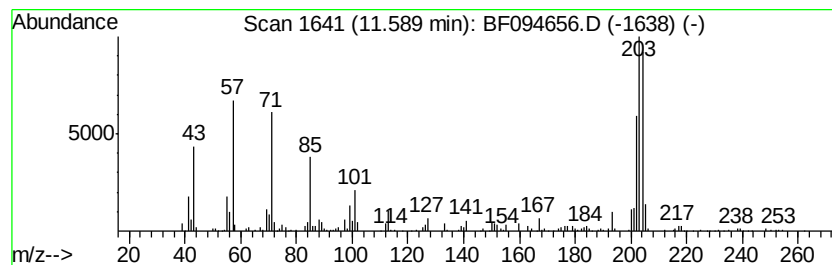
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Dibenzo[a,e]cyclooctene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.59	9.59 ng	414715	Phenanthrene-d10		11.21
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	70
2	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	62
3	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	55
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	55
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	52



Data Path : Z:\HPCHEM1\BNA F\Data\BF042617\
Data File : BF094656.D
Acq On : 26 Apr 2017 19:28
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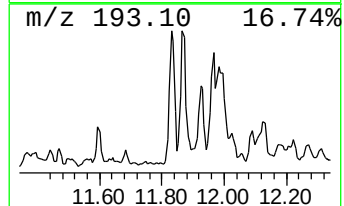
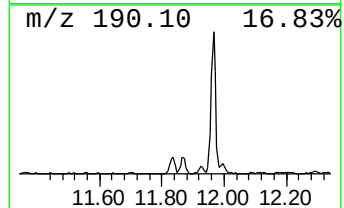
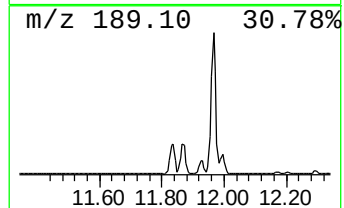
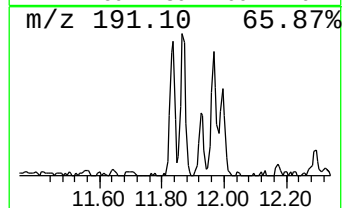
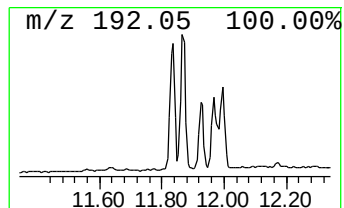
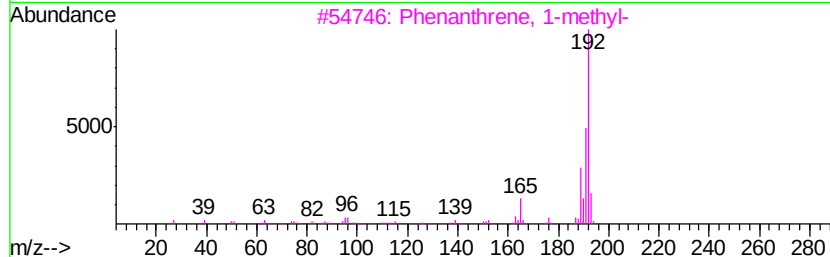
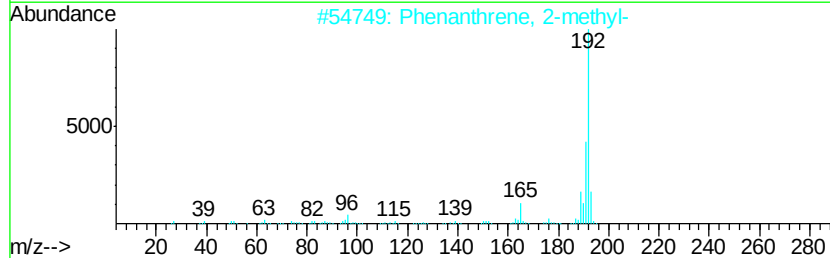
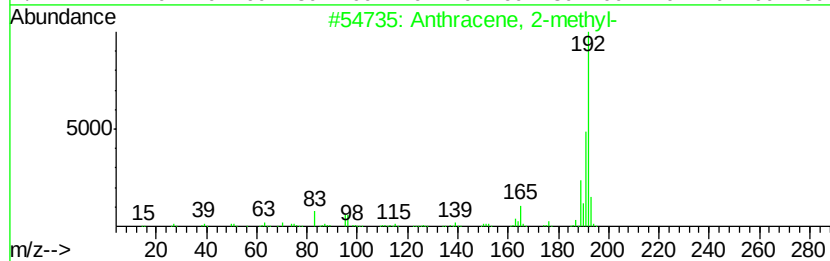
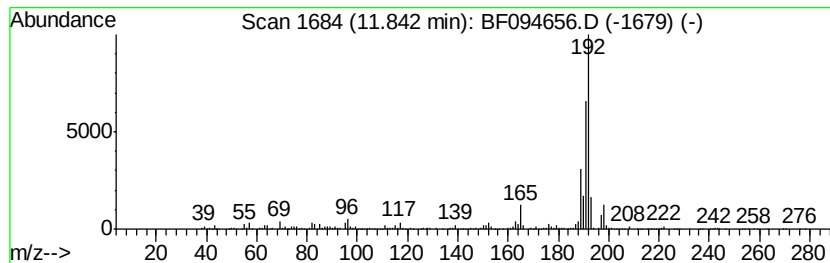
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	23.60 ng	1020590	Phenanthrene-d10	11.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91



Data Path : Z:\HPCHEM1\BNA_F\Data\BF042617\
 Data File : BF094656.D
 Acq On : 26 Apr 2017 19:28
 Operator : SJ/MA
 Sample : I2821-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB426A

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown5.50	5.50	62.2	ng	2280420	1	5.75	732839	20.0
Octane, 2,3,7-tri...	7.81	7.4	ng	429616	2	7.25	1157080	20.0
Dibenzofuran, 4-m...	10.26	14.8	ng	1119990	3	9.38	1517330	20.0
Dodecane, 2-methy...	10.59	36.9	ng	1594810	4	11.21	864741	20.0
9H-Fluorene, 2-me...	10.74	19.5	ng	842470	4	11.21	864741	20.0
9H-Fluorene, 1-me...	10.77	7.5	ng	326178	4	11.21	864741	20.0
9H-Fluorene, 9-me...	10.84	7.8	ng	335213	4	11.21	864741	20.0
Naphtho[2,3-b]thi...	11.08	19.5	ng	841910	4	11.21	864741	20.0
Dibenzo[a,e]cyclo...	11.59	9.6	ng	414715	4	11.21	864741	20.0
Anthracene, 2-met...	11.84	23.6	ng	1020590	4	11.21	864741	20.0