

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097288.D
 Acq On : 2 Aug 2017 22:07
 Operator : SJ/JU
 Sample : I4540-09 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11948

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	5.051	534	538	556	rBV	200924	309406	6.56%	0.553%
2	6.122	717	720	735	rBV	245293	338240	7.17%	0.604%
3	6.228	735	738	748	rVB	293494	333271	7.06%	0.596%
4	6.445	772	775	789	rBV	697686	681944	14.45%	1.219%
5	6.604	799	802	805	rBV	245094	217480	4.61%	0.389%
6	7.016	870	872	887	rBV	166614	194092	4.11%	0.347%
7	7.734	990	994	996	rBV	1141304	1052757	22.31%	1.881%
8	7.751	996	997	1004	rVB	1071409	884909	18.75%	1.581%
9	8.445	1112	1115	1121	rBV	460330	373123	7.91%	0.667%
10	8.545	1128	1132	1140	rVB	252287	235516	4.99%	0.421%
11	8.810	1174	1177	1185	rVB	398442	308066	6.53%	0.551%
12	9.004	1207	1210	1216	rVB	132584	127529	2.70%	0.228%
13	9.075	1216	1222	1226	rBV	78373	113146	2.40%	0.202%
14	9.145	1230	1234	1236	rVV	118083	125247	2.65%	0.224%
15	9.475	1286	1290	1293	rBV	1070348	1053133	22.32%	1.882%
16	9.510	1293	1296	1301	rVB	2016850	1736980	36.81%	3.104%
17	9.680	1322	1325	1328	rBV	766219	641864	13.60%	1.147%
18	10.022	1379	1383	1387	rBV	1445361	1215793	25.76%	2.173%
19	10.086	1389	1394	1395	rVV	154958	204479	4.33%	0.365%
20	10.104	1395	1397	1400	rVV	236664	218598	4.63%	0.391%
21	10.151	1403	1405	1408	rVV	164497	142964	3.03%	0.255%
22	10.180	1408	1410	1415	rVB	203383	167513	3.55%	0.299%
23	10.263	1420	1424	1428	rVV	382559	420144	8.90%	0.751%
24	10.569	1468	1476	1478	rBV	180945	212283	4.50%	0.379%
25	10.810	1513	1517	1520	rBV	127884	130088	2.76%	0.232%
26	10.845	1520	1523	1531	rVB	575576	530089	11.23%	0.947%
27	10.957	1537	1542	1543	rBV	747223	925024	19.60%	1.653%
28	10.986	1543	1547	1550	rVV	3675507	4719329	100.00%	8.434%
29	11.033	1550	1555	1558	rVV	2354319	2229062	47.23%	3.984%
30	11.063	1558	1560	1564	rVB	301370	271646	5.76%	0.485%
31	11.169	1574	1578	1579	rBV	145045	130964	2.78%	0.234%
32	11.192	1579	1582	1585	rVV	904847	830396	17.60%	1.484%
33	11.251	1589	1592	1595	rBV3	79610	112591	2.39%	0.201%
34	11.451	1621	1626	1629	rBV	562689	539696	11.44%	0.964%

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35	11.480	1629	1631	1635	rVV	781412	632156	13.40%	1.130%
36	11.527	1635	1639	1642	rVV	383324	344796	7.31%	0.616%
37	11.563	1642	1645	1647	rVV	995299	1014983	21.51%	1.814%
38	11.580	1647	1648	1655	rVB	317128	282666	5.99%	0.505%
39	11.745	1673	1676	1679	rVV	405557	339506	7.19%	0.607%
40	11.780	1679	1682	1685	rVV2	139247	120078	2.54%	0.215%
41	11.892	1696	1701	1705	rBV2	105217	119357	2.53%	0.213%
42	11.998	1715	1719	1722	rBV	183855	207380	4.39%	0.371%
43	12.033	1722	1725	1728	rVV	116260	152295	3.23%	0.272%
44	12.092	1731	1735	1741	rVB3	111311	156600	3.32%	0.280%
45	12.169	1741	1748	1751	rBV	3205175	3873832	82.08%	6.923%
46	12.221	1753	1757	1763	rVB2	110386	162657	3.45%	0.291%
47	12.304	1767	1771	1774	rBV	263160	259933	5.51%	0.465%
48	12.392	1780	1786	1791	rBV3	2743301	4011689	85.01%	7.169%
49	12.433	1791	1793	1801	rVB	213872	241331	5.11%	0.431%
50	12.504	1801	1805	1807	rBV	299624	257716	5.46%	0.461%
51	12.533	1807	1810	1816	rVB2	354161	519869	11.02%	0.929%
52	12.604	1816	1822	1825	rBV3	227397	381888	8.09%	0.682%
53	12.633	1825	1827	1830	rVB	197347	147652	3.13%	0.264%
54	12.692	1830	1837	1838	rBV3	206385	286321	6.07%	0.512%
55	12.716	1838	1841	1844	rVB2	730765	713381	15.12%	1.275%
56	12.780	1848	1852	1854	rBV	848402	752715	15.95%	1.345%
57	12.816	1854	1858	1860	rVV2	373384	440736	9.34%	0.788%
58	12.833	1860	1861	1865	rVV	216231	170429	3.61%	0.305%
59	12.904	1870	1873	1876	rVB	149039	123943	2.63%	0.221%
60	12.933	1876	1878	1888	rVB2	161917	197251	4.18%	0.353%
61	13.116	1902	1909	1910	rBV6	97145	155277	3.29%	0.277%
62	13.133	1910	1912	1919	rVB3	148571	166261	3.52%	0.297%
63	13.192	1919	1922	1925	rBV2	132275	160479	3.40%	0.287%
64	13.321	1940	1944	1947	rBV	300393	351021	7.44%	0.627%
65	13.351	1947	1949	1951	rVV	326041	301337	6.39%	0.539%
66	13.374	1951	1953	1955	rVV	289146	288559	6.11%	0.516%
67	13.392	1955	1956	1960	rVV2	214572	190521	4.04%	0.340%
68	13.492	1970	1973	1977	rVB	113086	124807	2.64%	0.223%
69	13.574	1979	1987	1990	rBV3	1704212	3004413	63.66%	5.369%
70	13.604	1990	1992	2000	rVB	1544880	1556911	32.99%	2.782%
71	13.680	2000	2005	2008	rBV	533443	491803	10.42%	0.879%

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72	13.774	2018	2021	2024	rVV2	219341	277715	5.88%	0.496%
73	13.804	2024	2026	2029	rVB	205171	182767	3.87%	0.327%
74	13.921	2044	2046	2049	rVV	184863	187377	3.97%	0.335%
75	13.963	2049	2053	2056	rVV	350523	401836	8.51%	0.718%
76	13.992	2056	2058	2062	rVV2	156006	168457	3.57%	0.301%
77	14.057	2062	2069	2071	rVV2	247998	346129	7.33%	0.619%
78	14.086	2071	2074	2075	rVV2	176509	208595	4.42%	0.373%
79	14.104	2075	2077	2080	rVV	315108	273034	5.79%	0.488%
80	14.157	2084	2086	2092	rVB2	117343	125551	2.66%	0.224%
81	14.274	2102	2106	2111	rBV4	132289	266142	5.64%	0.476%
82	14.433	2130	2133	2139	rBV	151823	167014	3.54%	0.298%
83	14.574	2151	2157	2159	rBV	1338405	1988571	42.14%	3.554%
84	14.657	2168	2171	2174	rVB	400421	351671	7.45%	0.628%
85	14.745	2180	2186	2187	rBV3	93081	146291	3.10%	0.261%
86	14.815	2194	2198	2204	rVV	746487	893925	18.94%	1.598%
87	14.874	2204	2208	2212	rVV	1202035	1367400	28.97%	2.444%
88	14.921	2212	2216	2218	rVV	477564	511348	10.84%	0.914%
89	14.945	2218	2220	2226	rVB2	420510	497478	10.54%	0.889%
90	15.092	2243	2245	2252	rVB2	106978	223080	4.73%	0.399%
91	15.380	2291	2294	2298	rVB	107903	134227	2.84%	0.240%
92	15.968	2389	2394	2396	rBV2	73530	111198	2.36%	0.199%
93	16.127	2415	2421	2427	rVB	490331	822782	17.43%	1.470%
94	16.180	2427	2430	2438	rVB2	62191	108518	2.30%	0.194%
95	16.262	2439	2444	2448	rBV2	116629	214274	4.54%	0.383%
96	16.309	2448	2452	2457	rVV2	78280	109585	2.32%	0.196%
97	16.486	2475	2482	2491	rBV	339520	690178	14.62%	1.233%
98	16.680	2510	2515	2528	rVB	133851	312281	6.62%	0.558%
99	18.303	2782	2791	2800	rVB3	84116	243157	5.15%	0.435%
100	18.450	2809	2816	2824	rBV3	61139	195857	4.15%	0.350%

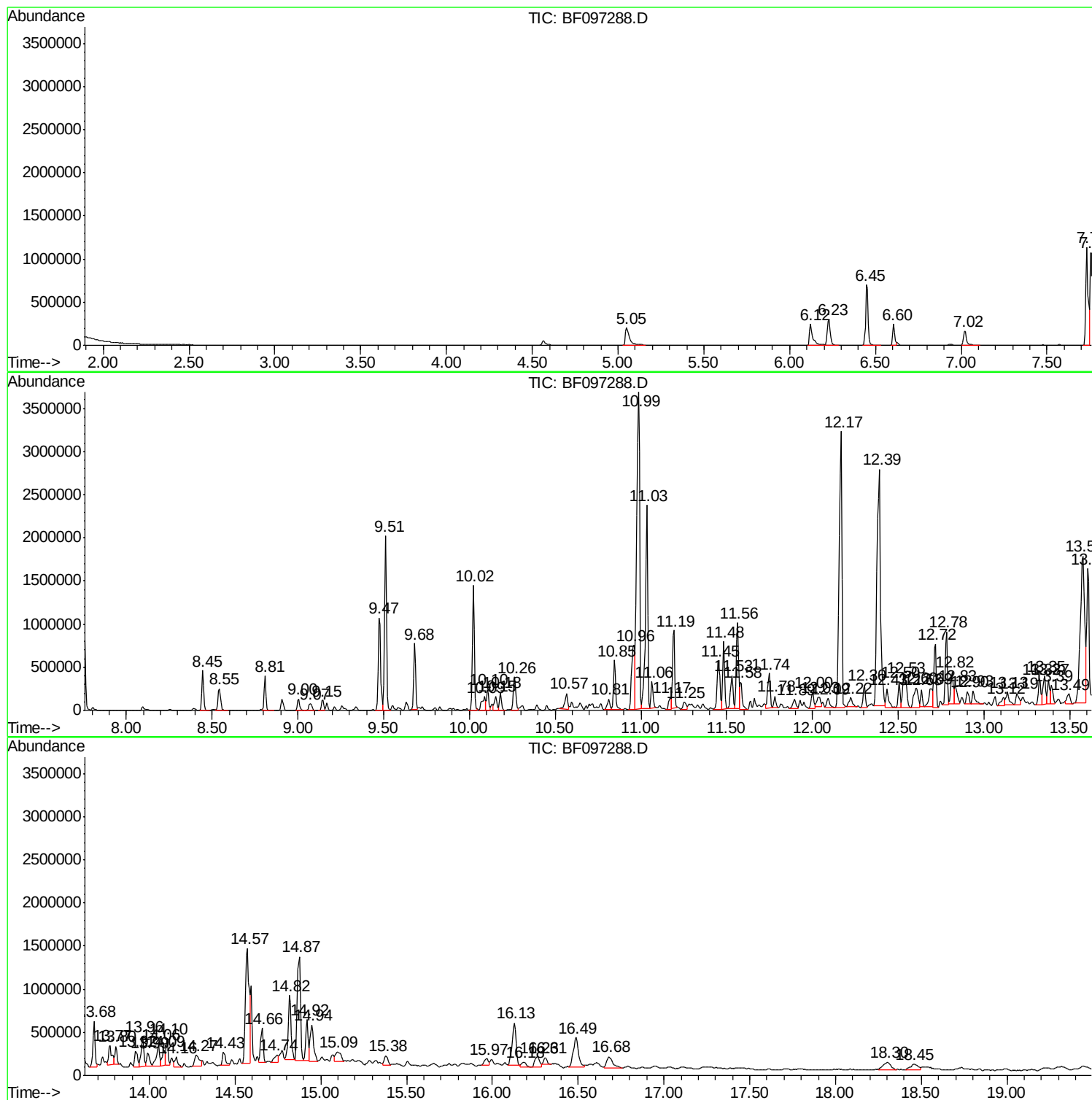
Sum of corrected areas: 55956349

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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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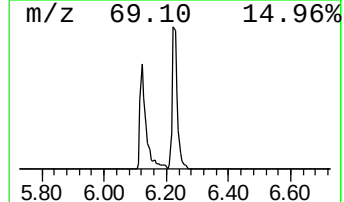
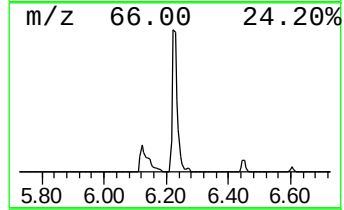
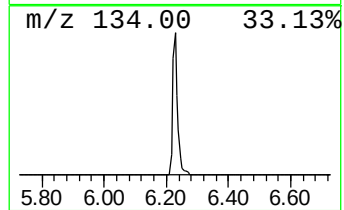
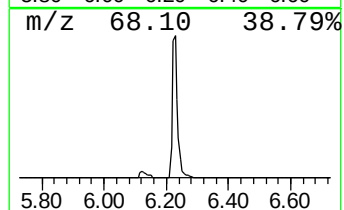
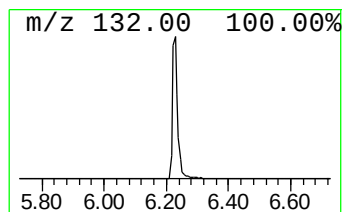
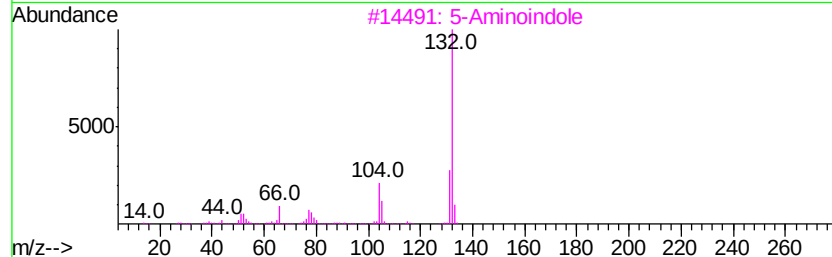
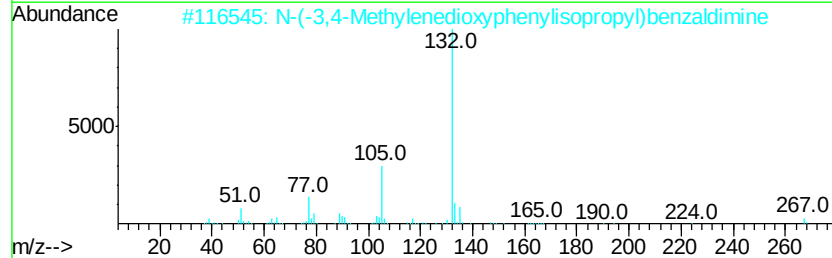
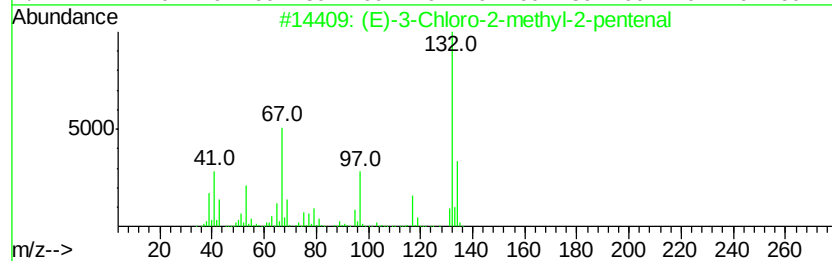
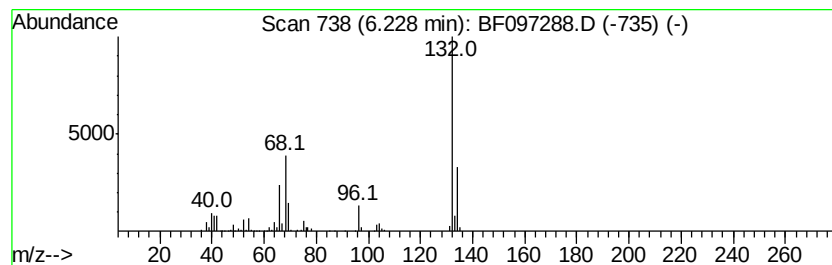
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.23 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.23	9.77 ng	333271	1,4-Dichlorobenzene-d4	6.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2		N-(-3,4-Methylenedioxyphenylisopropyl)benzaldimine	267	C17H17NO2	1000378-96-6	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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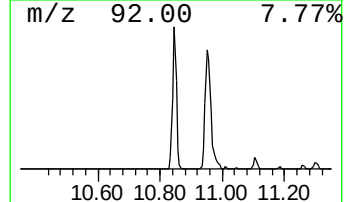
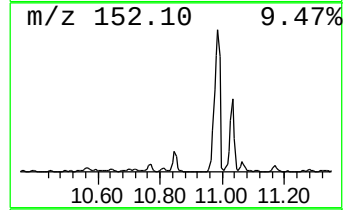
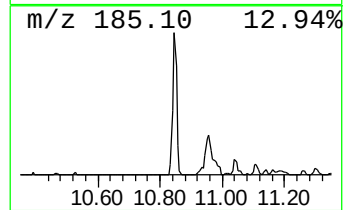
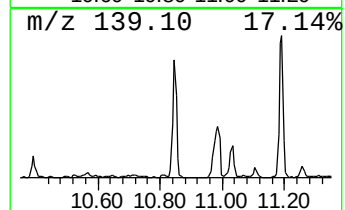
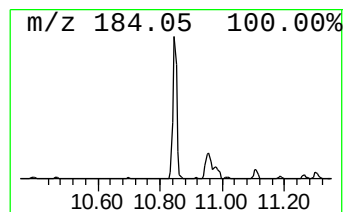
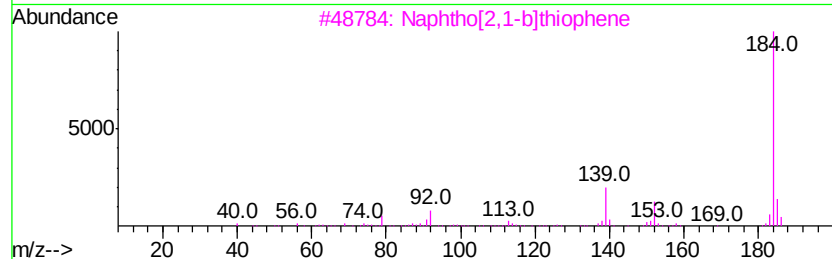
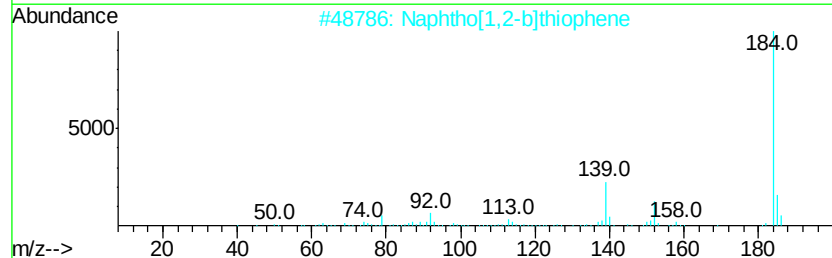
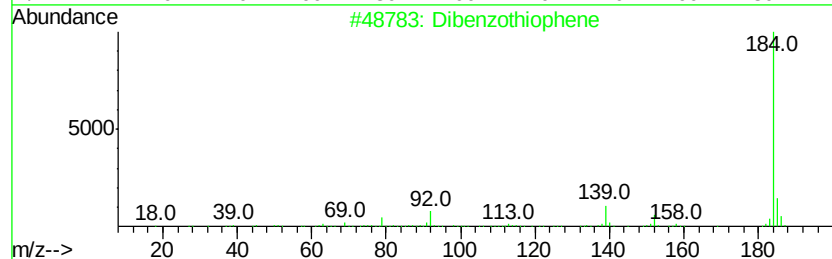
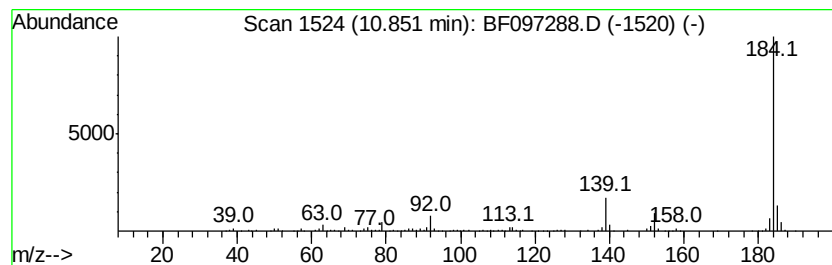
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.85	11.46 ng	530089	Phenanthrene-d10		10.95	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	97
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
3		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	96
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



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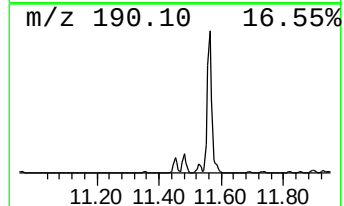
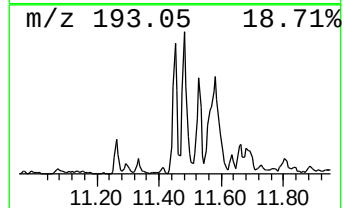
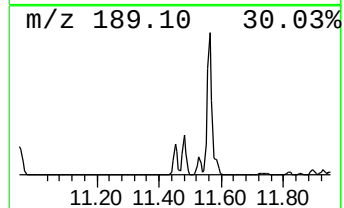
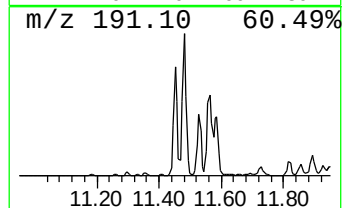
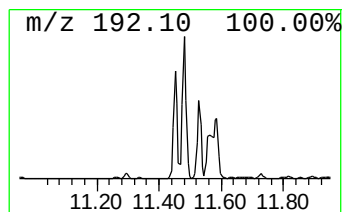
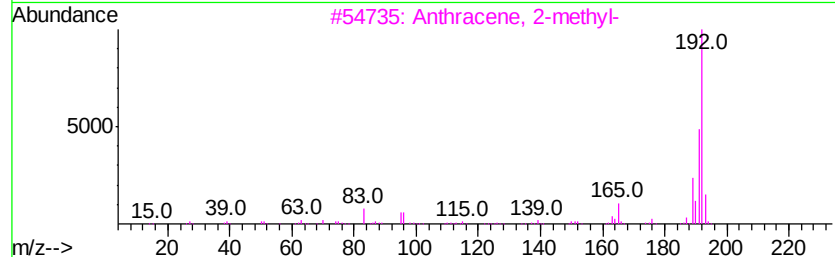
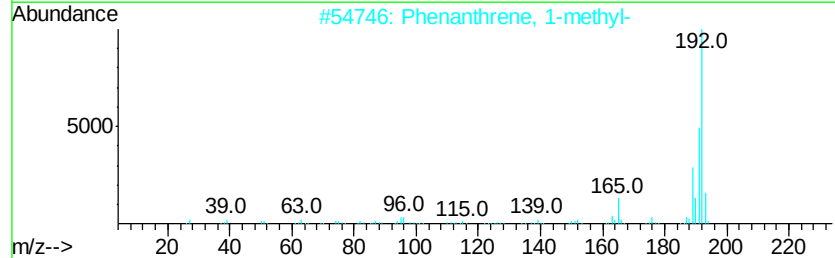
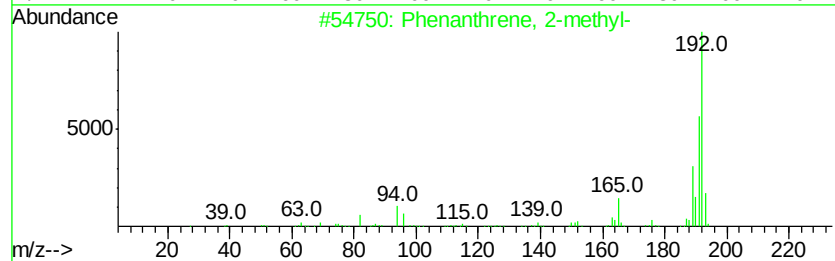
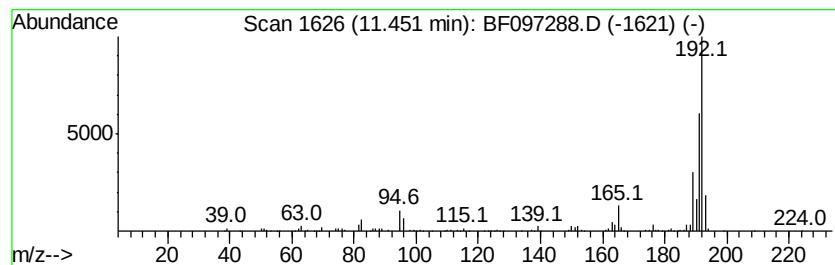
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Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.45	11.67 ng	539696	Phenanthrene-d10	10.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
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Acq On : 2 Aug 2017 22:07
Operator : SJ/JU
Sample : I4540-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

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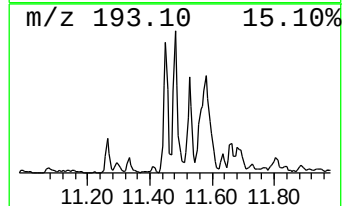
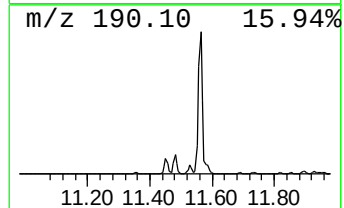
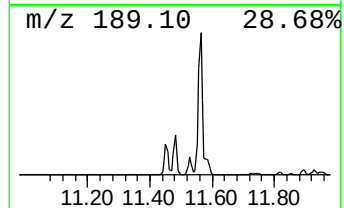
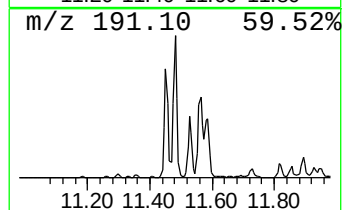
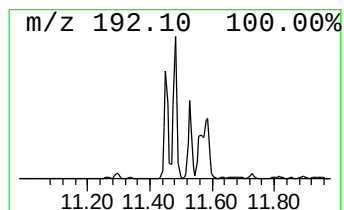
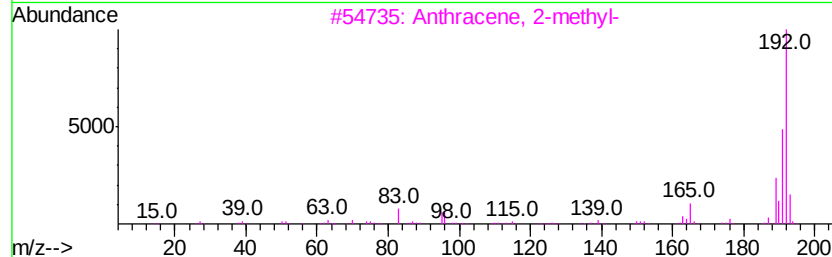
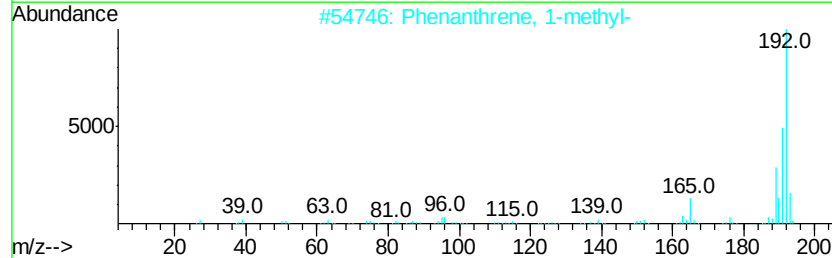
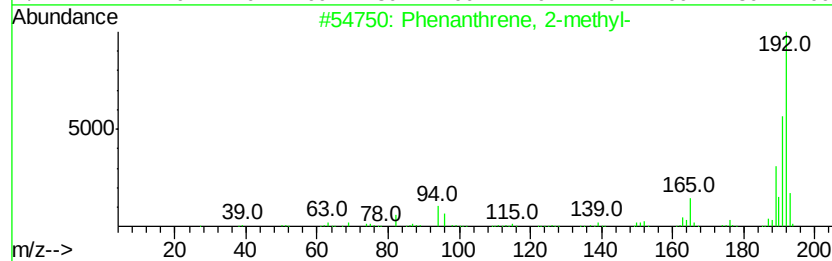
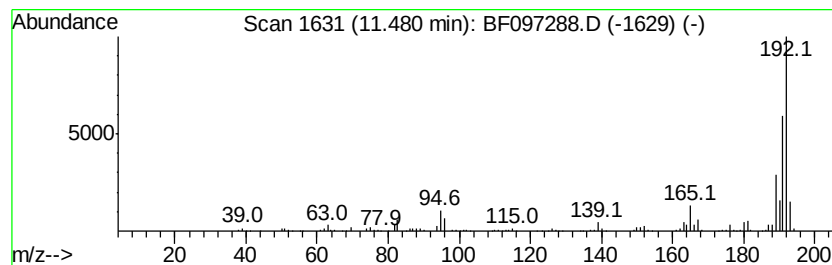
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.48	13.67 ng	632156	Phenanthrene-d10	10.95

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4		1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



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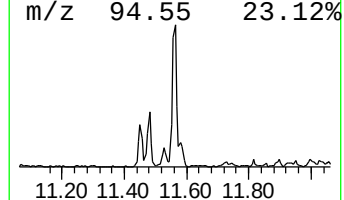
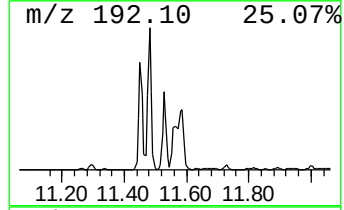
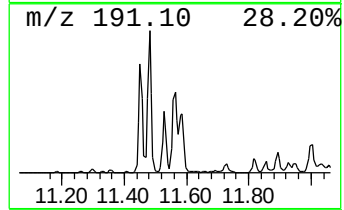
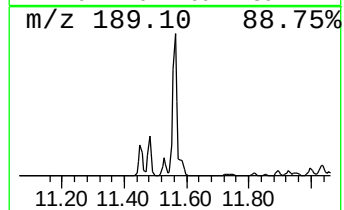
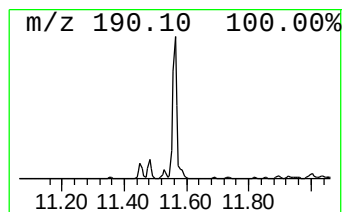
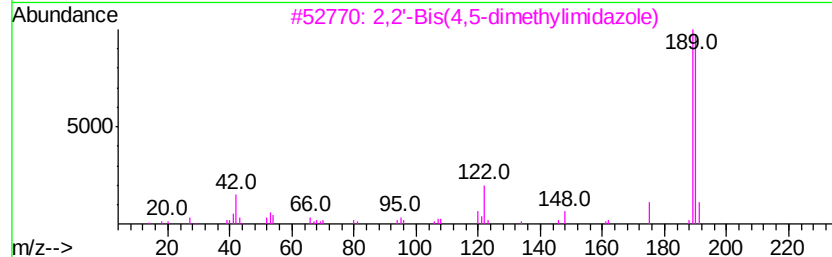
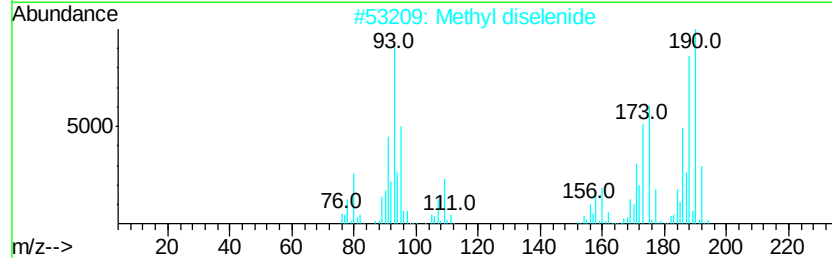
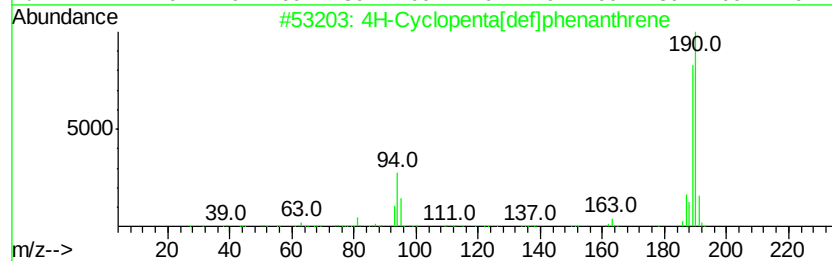
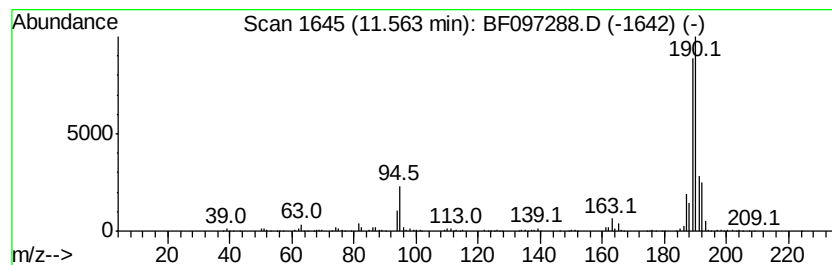
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	21.95 ng	1014980	Phenanthrene-d10	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		Methyl diselenide	190	C2H6Se2	007101-31-7	49
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4		6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	33
5		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	23



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
Data File : BF097288.D
Acq On : 2 Aug 2017 22:07
Operator : SJ/JU
Sample : I4540-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

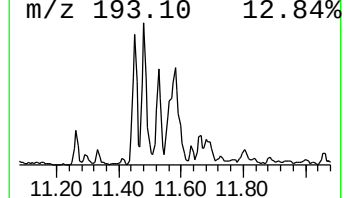
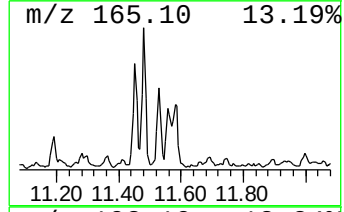
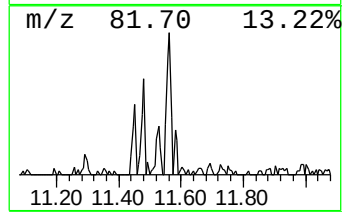
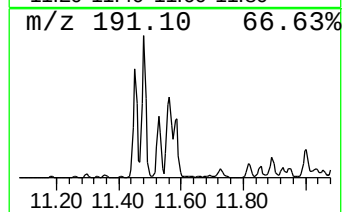
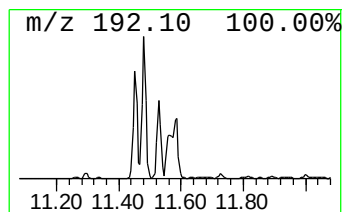
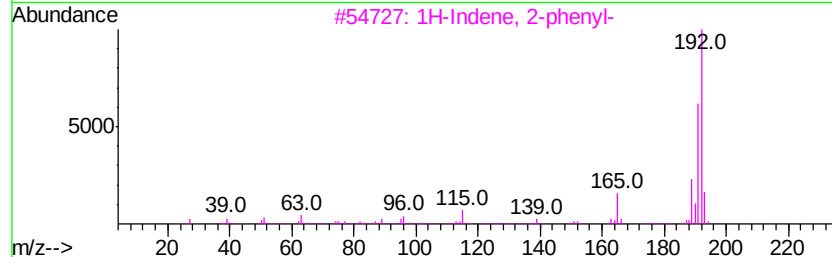
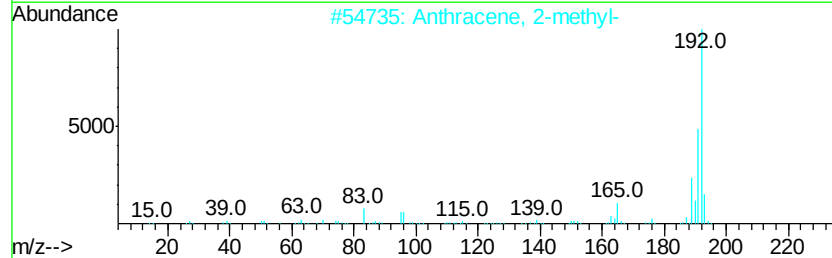
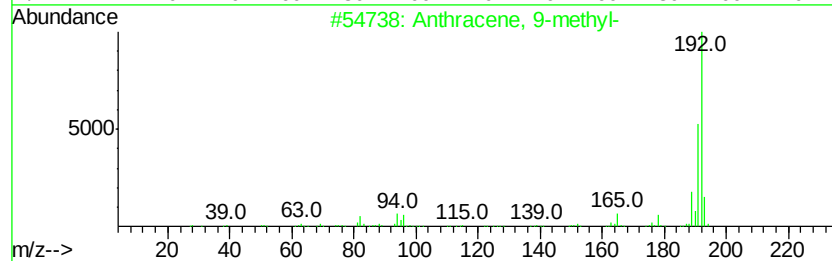
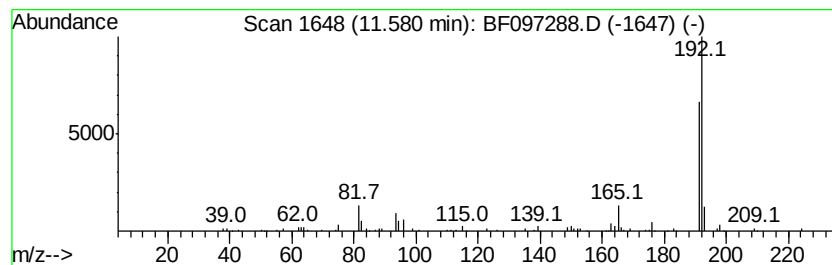
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 9-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.58	6.11 ng	282666	Phenanthrene-d10		10.95	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
4		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
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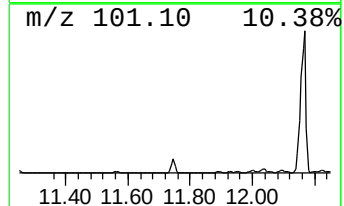
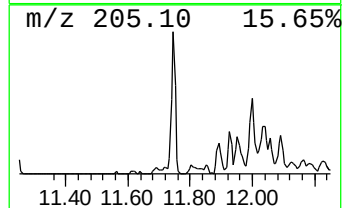
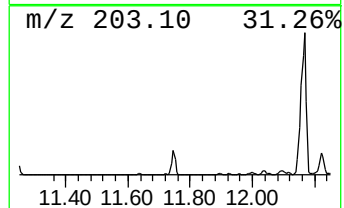
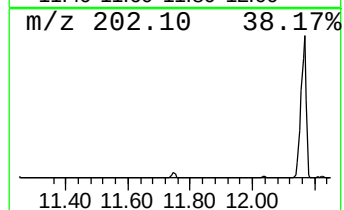
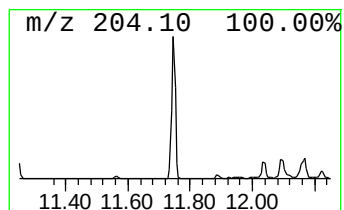
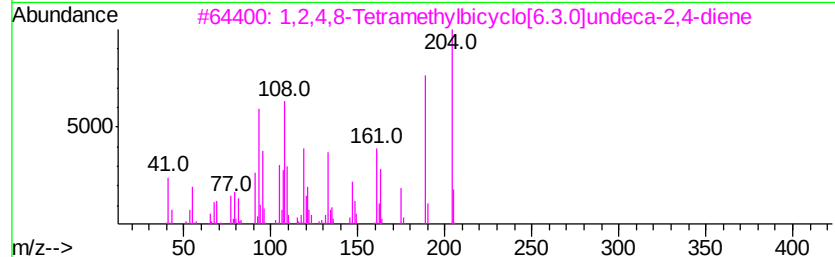
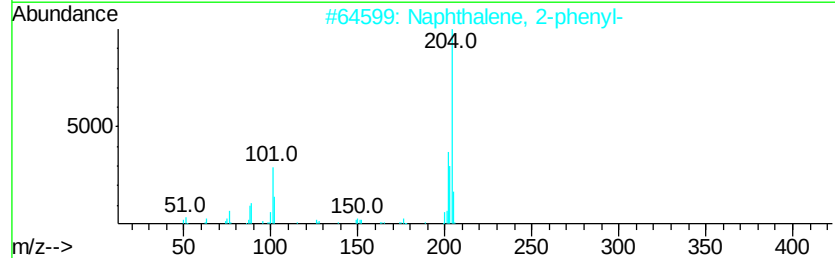
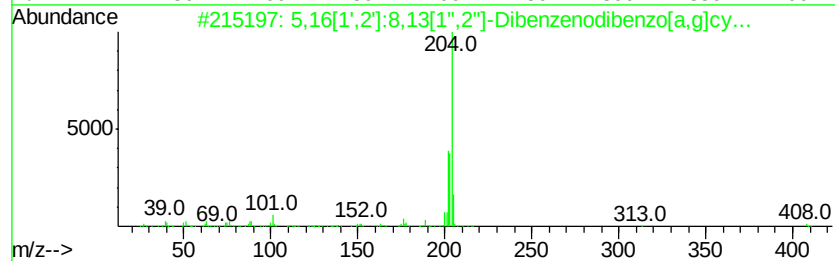
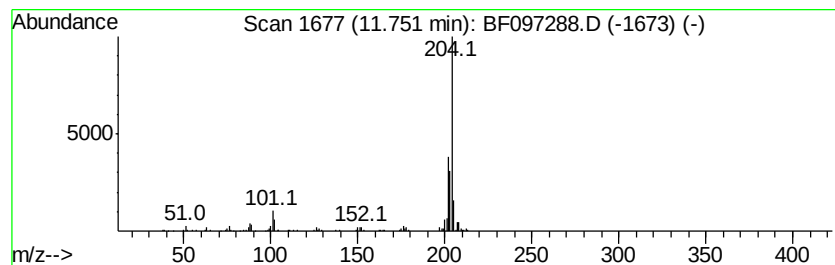
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.75	7.34 ng	339506	Phenanthrene-d10	10.95		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24		005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12		000612-94-2	86
3	1,2,4,8-Tetramethylbicyclo[6.3.0]...	204	C15H24		137235-51-9	83
4	Naphthalene, 1-phenyl-	204	C16H12		000605-02-7	78
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2		034373-96-1	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
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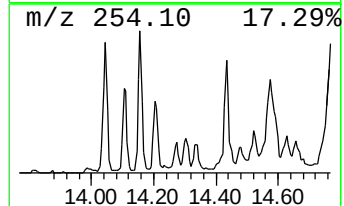
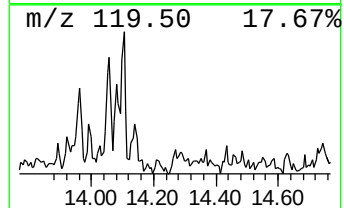
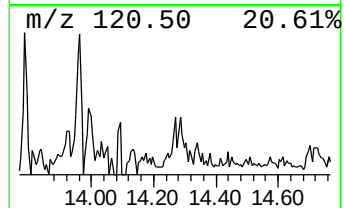
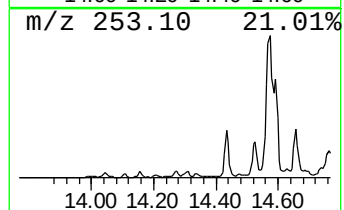
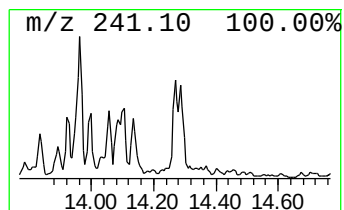
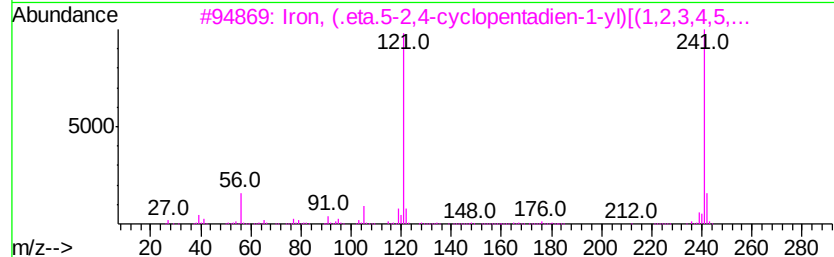
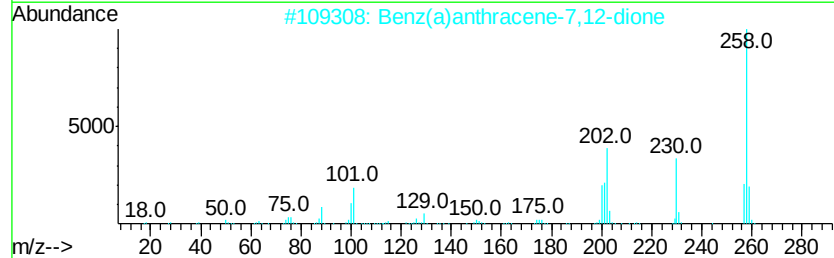
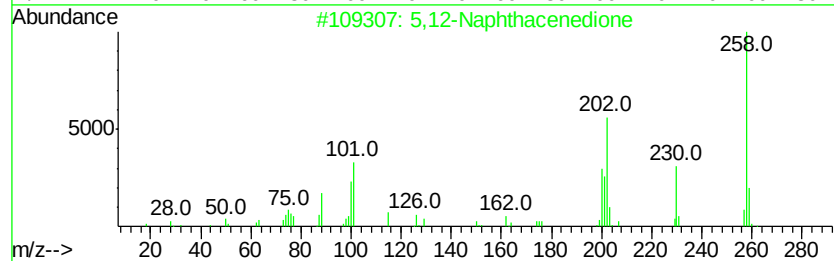
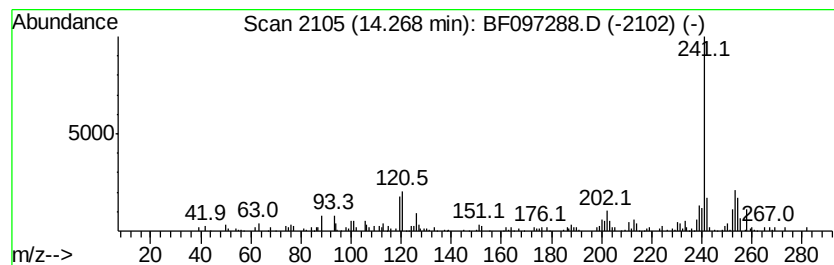
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 5,12-Naphthacenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.27	10.41 ng	266142	Perylene-d12	14.92		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	66	
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	60	
3	Iron, (.eta.5-2,4-cyclopentadien...	241	C14H17Fe	051812-08-9	18	
4	4-Hydroxy-4'-nitrostilbene	241	C14H11NO3	019221-08-0	18	
5	1H-Pyrazole-5-carboxylic acid, 3...	241	C13H11N3O2	1000362-41-4	18	



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
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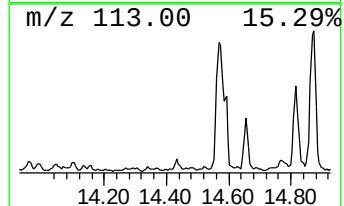
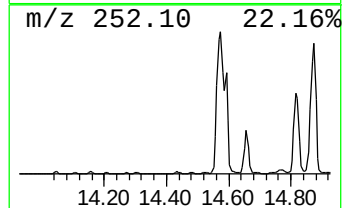
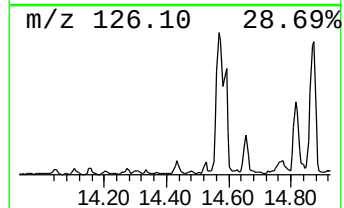
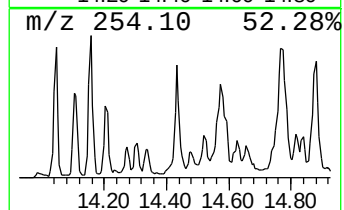
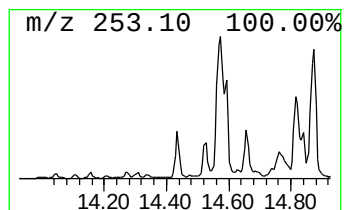
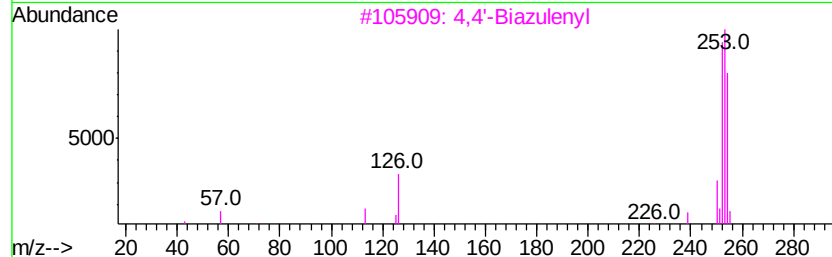
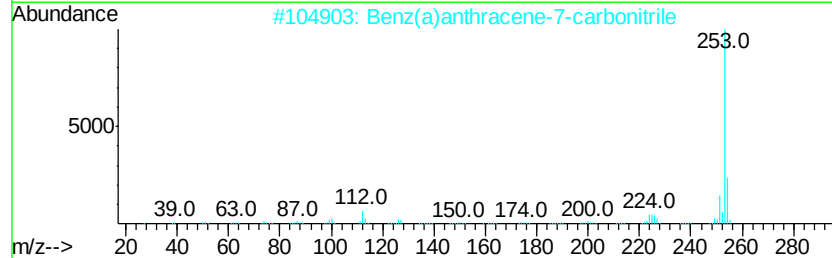
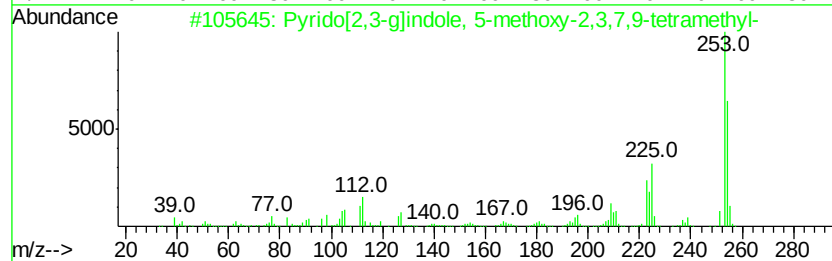
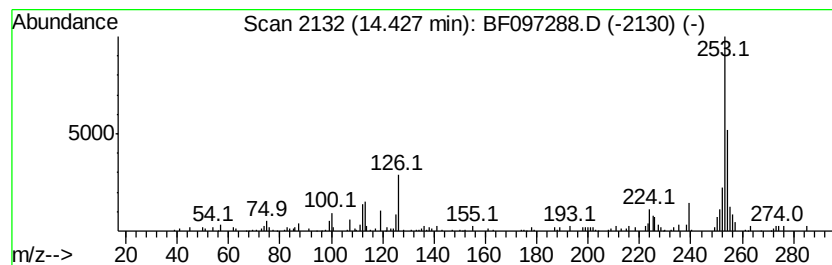
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Pyrido[2,3-g]indole, 5-meth... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	6.53 ng	167014	Perylene-d12	14.92

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	50
2			Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	49
3			4,4'-Biazulenvl	254	C20H14	094053-54-0	46
4			4,6'-Biazulenvl	254	C20H14	094154-49-1	46
5			9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
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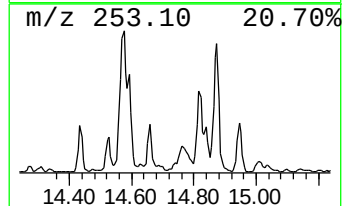
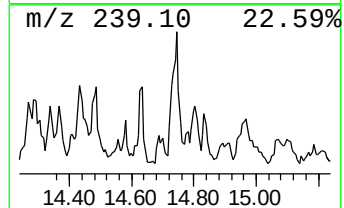
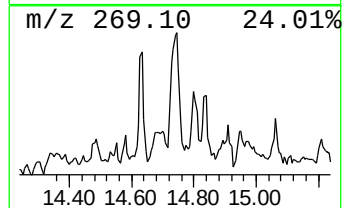
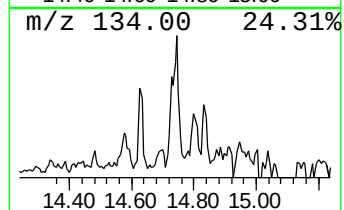
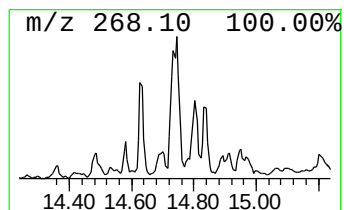
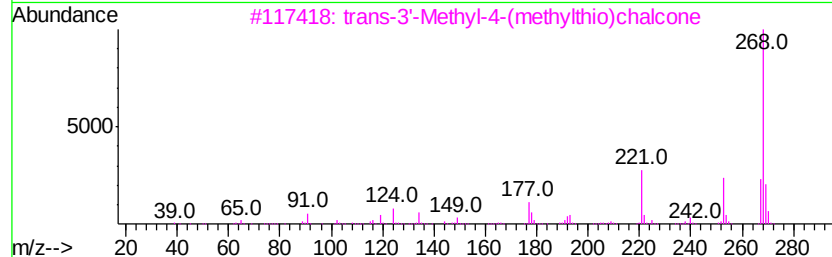
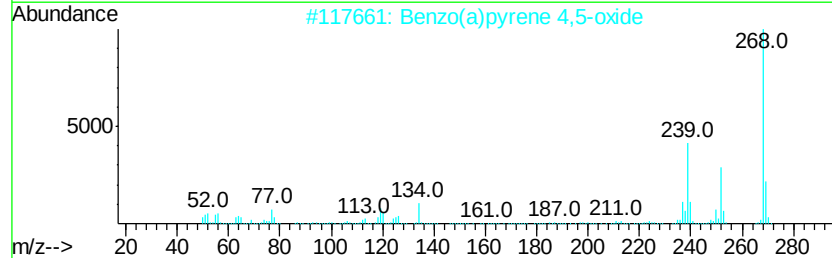
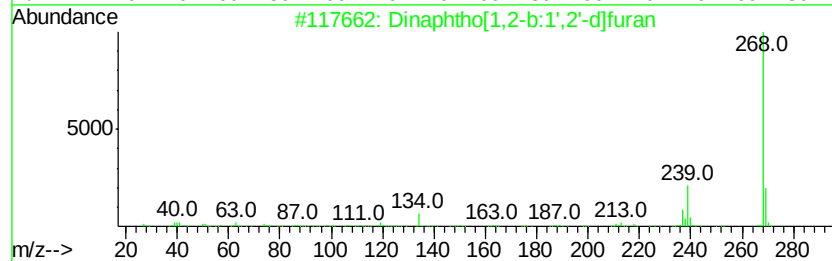
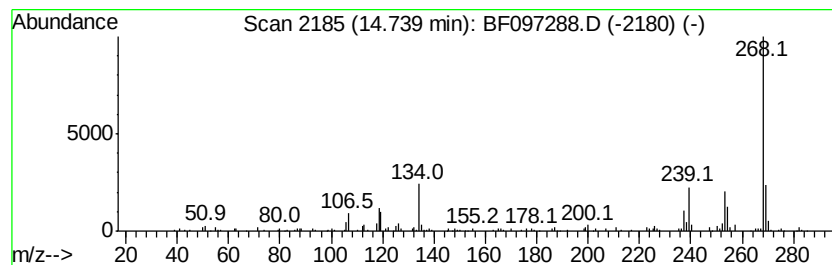
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	5.72 ng	146291	Perylene-d12	14.92
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dinaphtho[1,2-b:1',2'-d]furan	268 C20H12O	000207-93-2 76
2		Benzo(a)pyrene 4,5-oxide	268 C20H12O	037574-47-3 72
3		trans-3'-Methyl-4-(methylthio)ch...	268 C17H16OS	131316-14-8 52
4		trans-4'-Methyl-4-(methylthio)ch...	268 C17H16OS	126443-27-4 50
5		1-{4-[2-(4-Methoxymethylphenyl)v...	268 C18H20O2	1000202-15-4 50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
Data File : BF097288.D
Acq On : 2 Aug 2017 22:07
Operator : SJ/JU
Sample : I4540-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

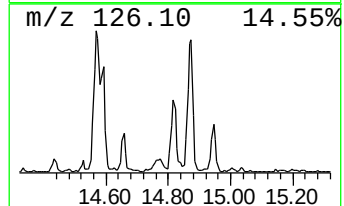
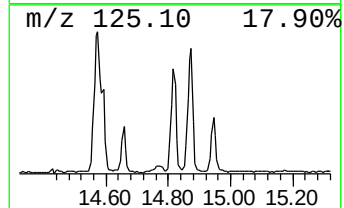
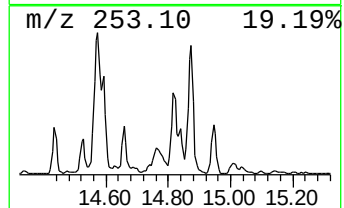
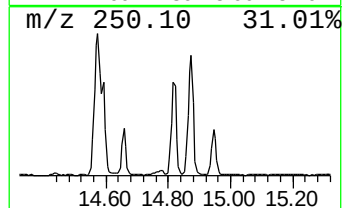
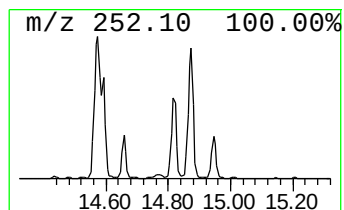
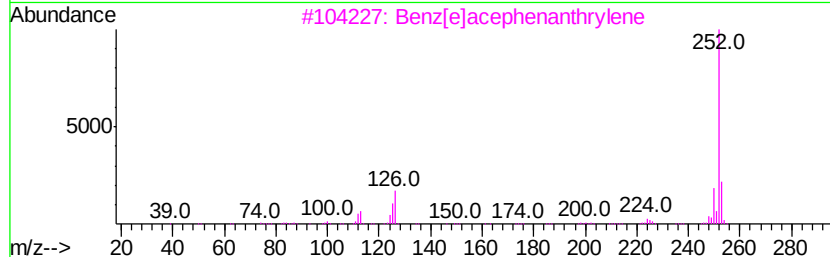
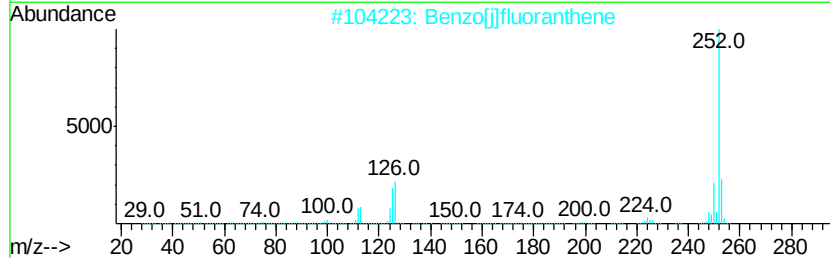
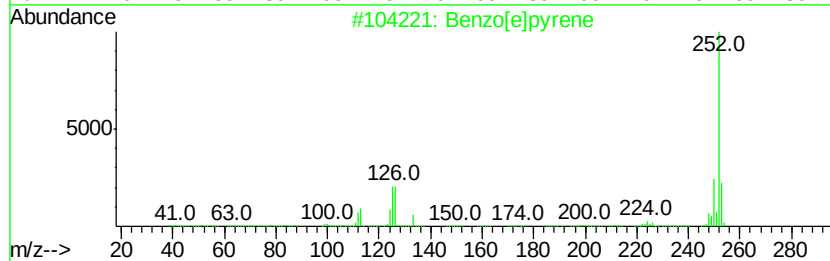
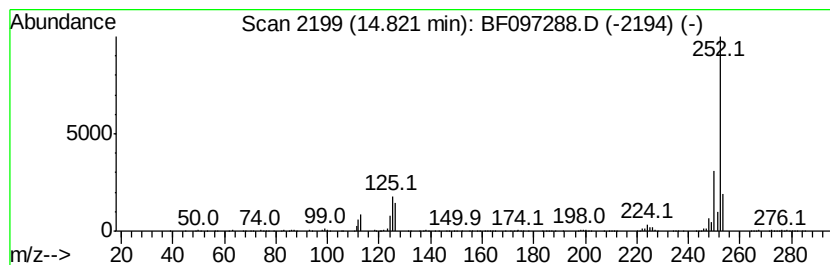
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	34.96 ng	893925	Perylene-d12	14.92
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzo[e]pyrene	252 C20H12	000192-97-2	98
2	Benzo[il]fluoranthene	252 C20H12	000205-82-3	98
3	Benz[el]acephenanthrylene	252 C20H12	000205-99-2	96
4	Perylene	252 C20H12	000198-55-0	96
5	Benzo[a]pyrene	252 C20H12	000050-32-8	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
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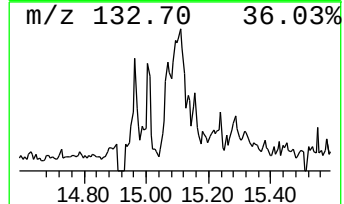
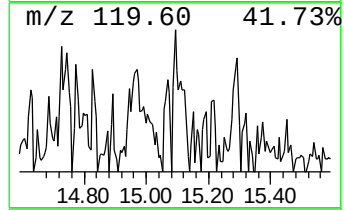
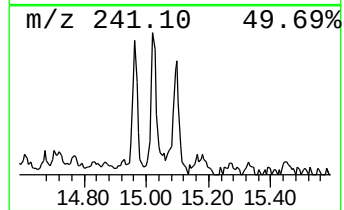
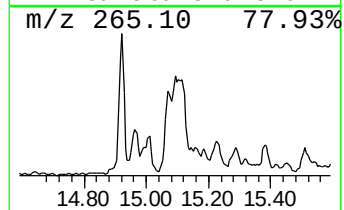
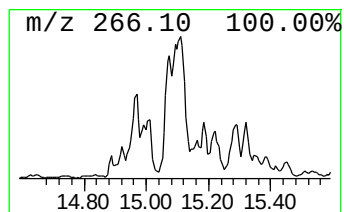
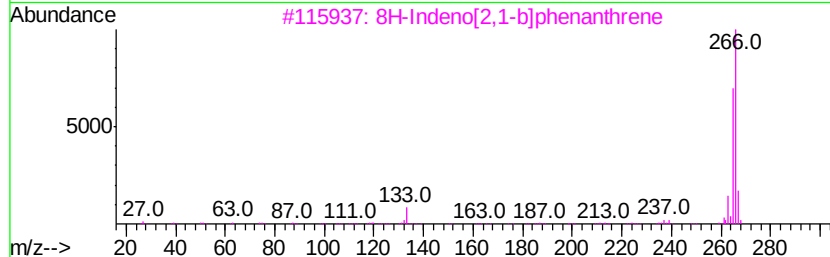
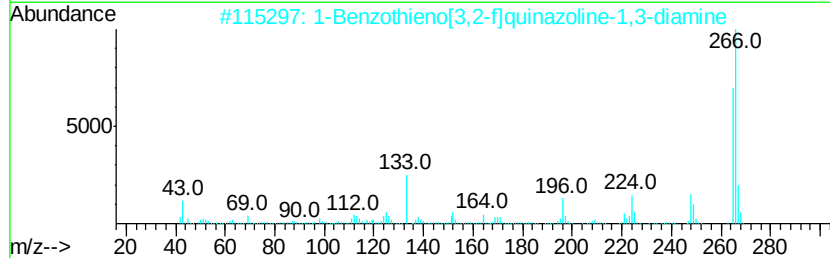
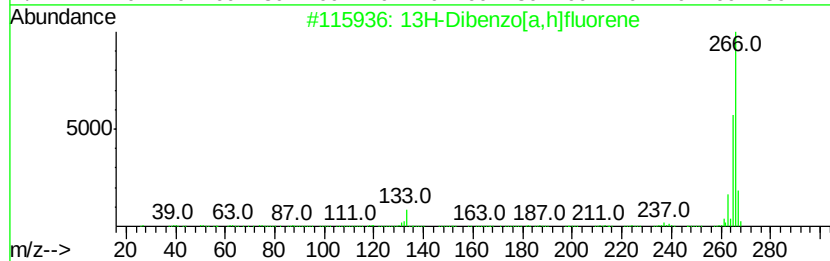
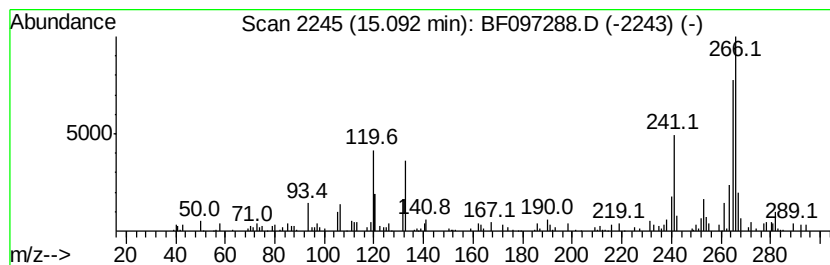
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 13H-Dibenzo[a,h]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.09	8.73 ng	223080	Perylene-d12	14.92		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	50
2		1-Benzothieno[3,2-f]quinazoline-...	266	C14H10N4S	065642-92-4	49
3		8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	49
4		Cyclopentylidene-(4-phenyl-thiaz...	266	C16H14N2S	1000300-05-0	46
5		11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
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Sample : I4540-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

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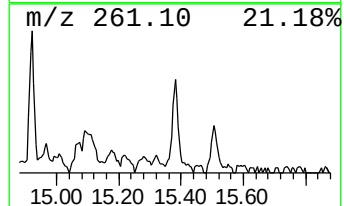
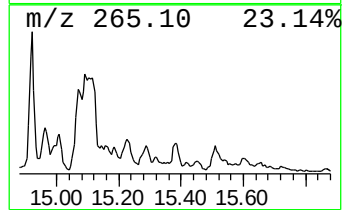
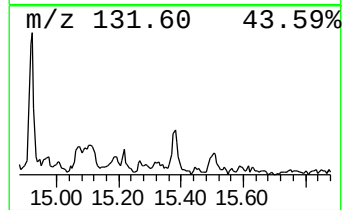
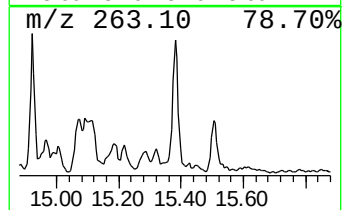
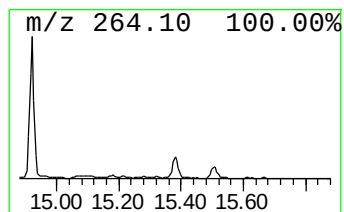
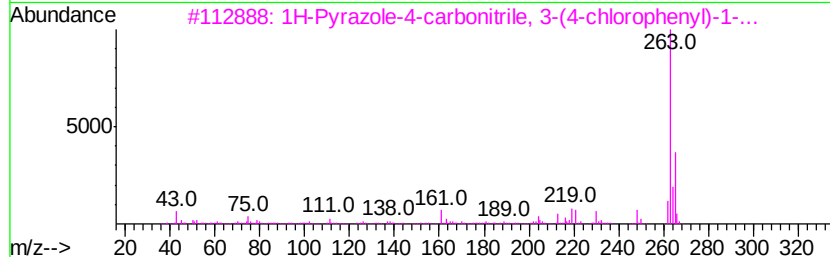
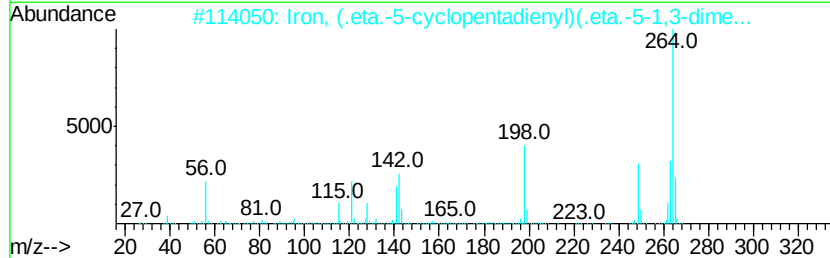
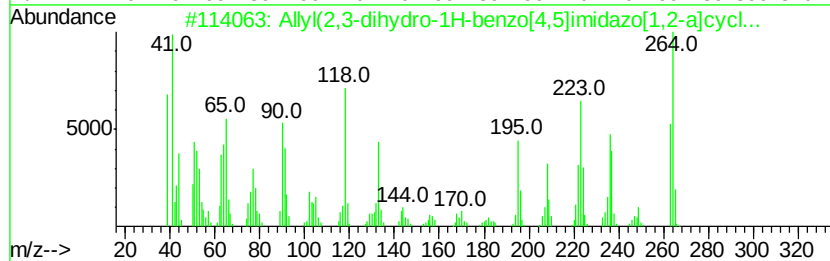
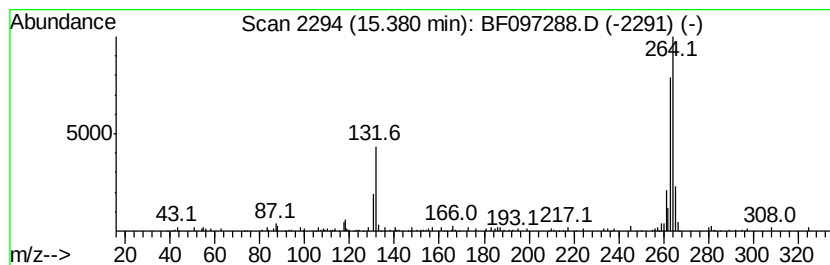
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown15.38 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	5.25 ng	134227	Perylene-d12	14.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Allvl(2,3-dihydro-1H-benzo[4,5]i...	264	C16H16N4	1000322-09-2	38
2		Iron, (.eta.-5-cyclopentadienyl)...	264	C16H16Fe	1000155-06-6	35
3		1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	35
4		10H-Phenothiazine, 2-chloro-7-me...	263	C13H10ClNOS	001730-44-5	27
5		Phenothiazine, 2-chloro-3-methoxy-	263	C13H10ClNOS	017800-08-7	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
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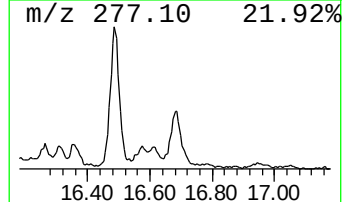
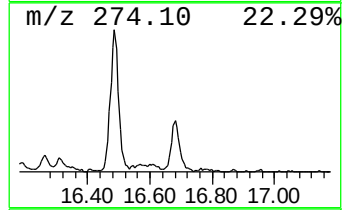
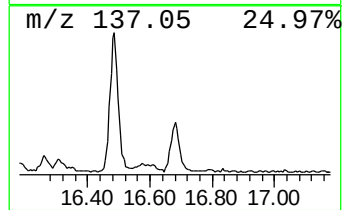
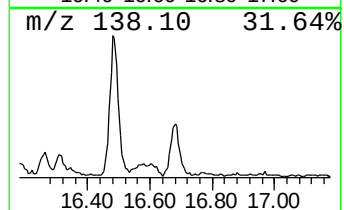
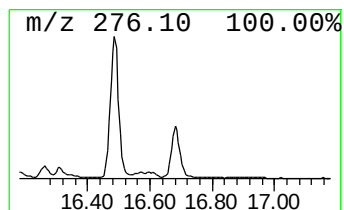
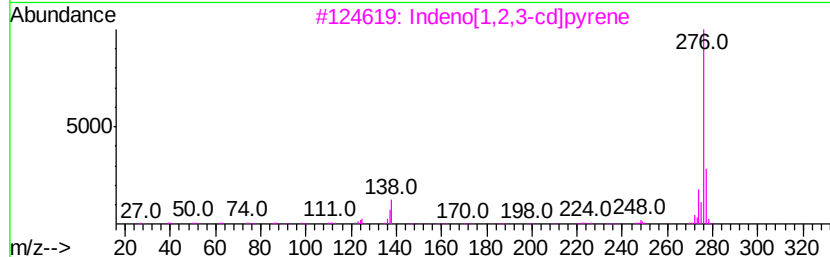
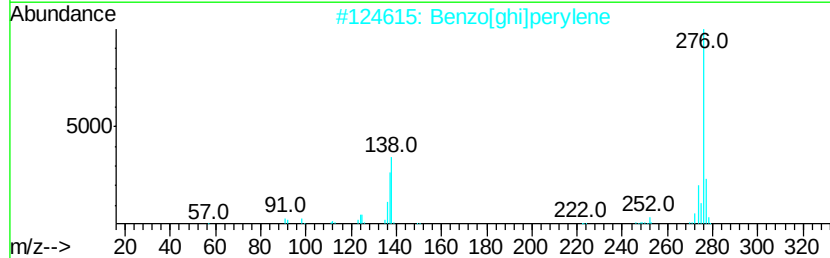
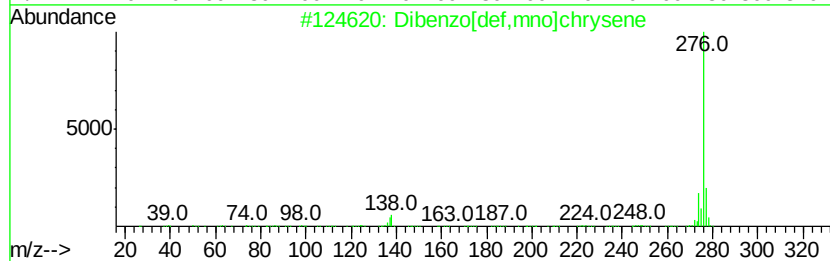
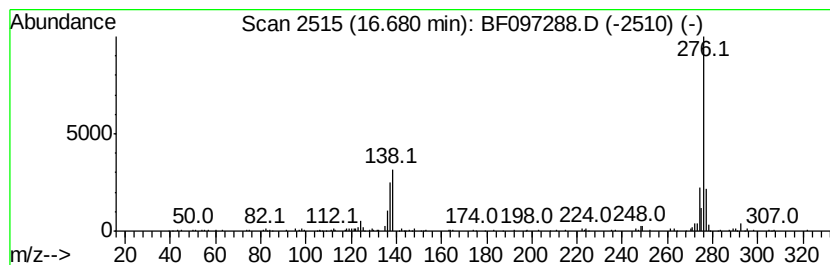
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Dibenzo[def,mno]chrysene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.68	12.21 ng	312281	Perylene-d12	14.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	97
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	96
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	72
5		6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
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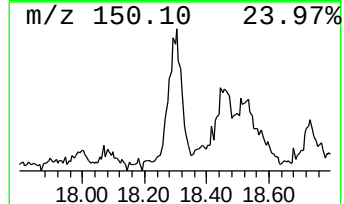
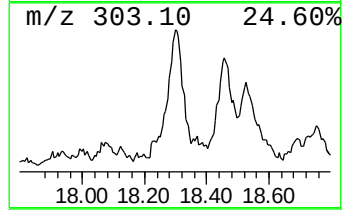
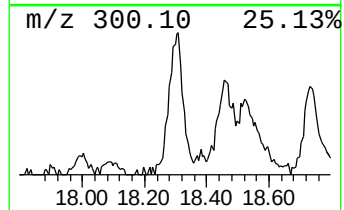
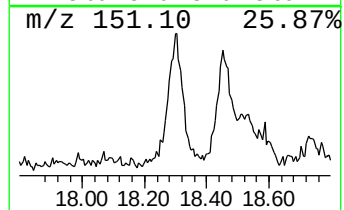
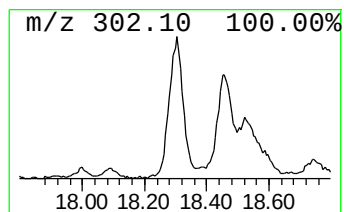
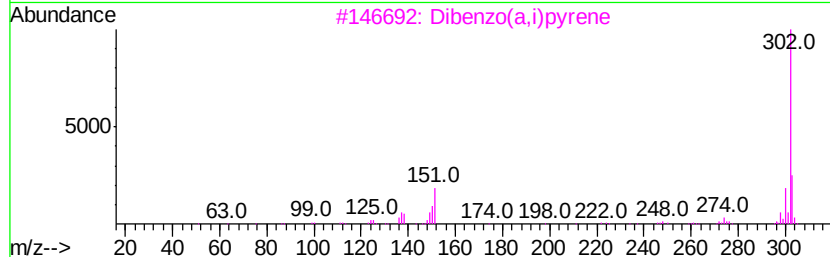
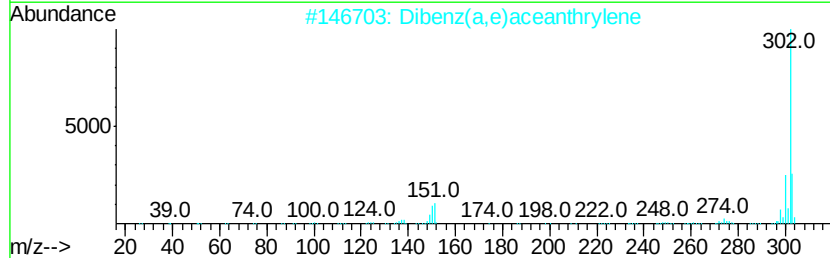
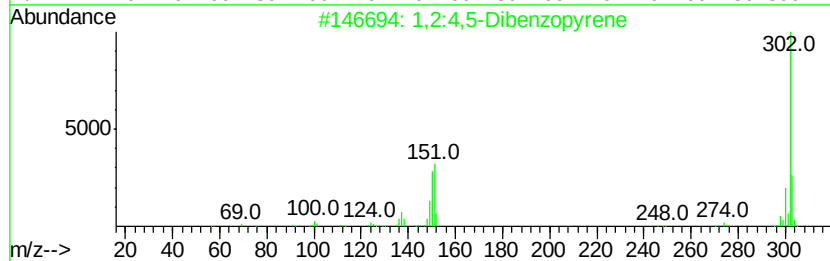
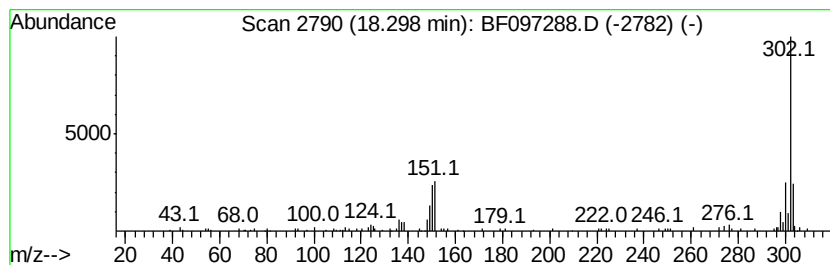
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1,2:4,5-Dibenzopyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.30	9.51 ng	243157	Perylene-d12	14.92	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	98
2	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	98
3	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	97
4	Indeno[1,2,3-f]naphthacene	302	C24H14	000203-11-2	96
5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
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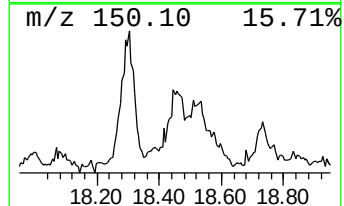
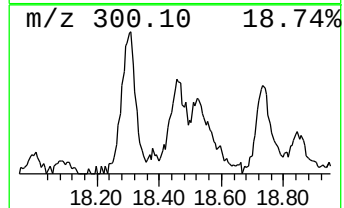
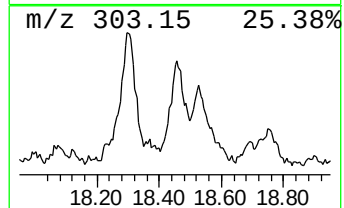
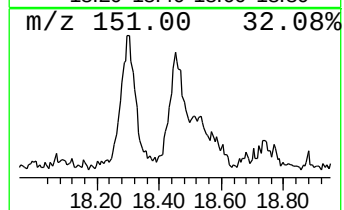
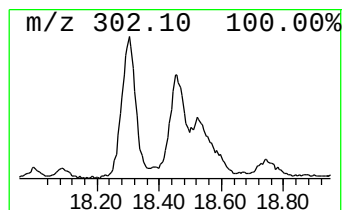
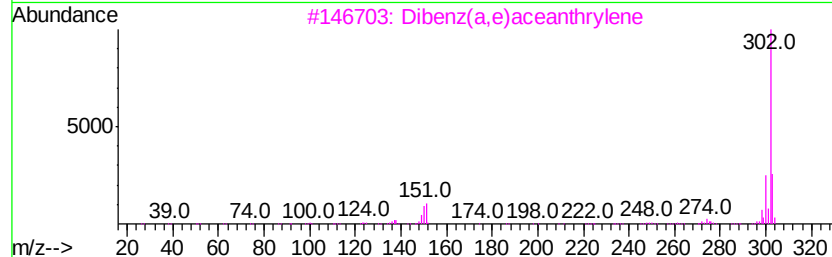
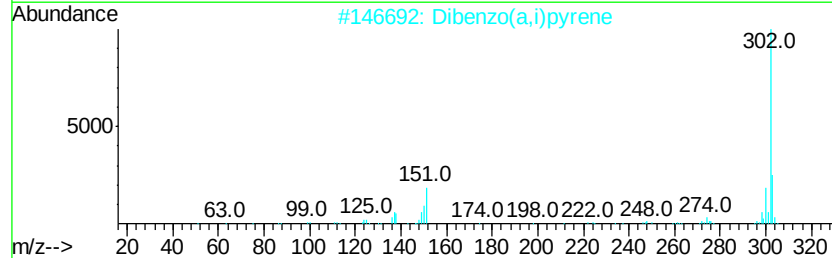
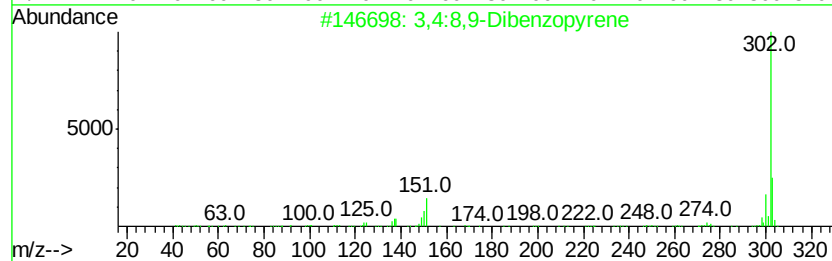
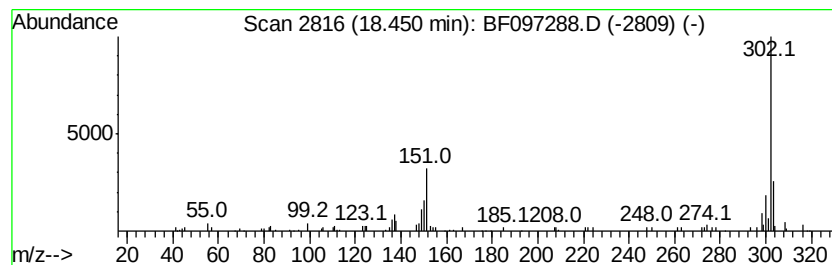
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 3,4:8,9-Dibenzopyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	7.66 ng	195857	Perylene-d12	14.92

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	96
2			Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	93
3			Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	93
4			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	93
5			1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	89



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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Dibenzothiophene	10.85	11.5	ng	530089	4	10.95	925024	20.0
Phenanthrene, 2-m...	11.45	11.7	ng	539696	4	10.95	925024	20.0
Phenanthrene, 1-m...	11.48	13.7	ng	632156	4	10.95	925024	20.0
4H-Cyclopenta[def...	11.56	21.9	ng	1014980	4	10.95	925024	20.0
Anthracene, 9-met...	11.58	6.1	ng	282666	4	10.95	925024	20.0
5,16[1',2']:8,13[...	11.75	7.3	ng	339506	4	10.95	925024	20.0
5,12-Naphthacened...	14.27	10.4	ng	266142	6	14.92	511348	20.0
Pyrido[2,3-g]indo...	14.43	6.5	ng	167014	6	14.92	511348	20.0
Dinaphtho[1,2-b:1...	14.74	5.7	ng	146291	6	14.92	511348	20.0
Benzo[e]pyrene	14.82	35.0	ng	893925	6	14.92	511348	20.0
13H-Dibenzo[a,h]f...	15.09	8.7	ng	223080	6	14.92	511348	20.0
unknown15.38	15.38	5.3	ng	134227	6	14.92	511348	20.0
Dibenzo[def,mno]c...	16.68	12.2	ng	312281	6	14.92	511348	20.0
1,2:4,5-Dibenzopy...	18.30	9.5	ng	243157	6	14.92	511348	20.0
3,4:8,9-Dibenzopy...	18.45	7.7	ng	195857	6	14.92	511348	20.0