

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
 Data File : BF100986.D
 Acq On : 29 Nov 2017 18:58
 Operator : SJ/JU
 Sample : I6304-22 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-112817-A

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-BF110817.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	5.463	570	574	583	rBV	312132	277645	24.26%	1.703%
2	6.475	742	746	755	rVB	356338	297453	25.99%	1.825%
3	6.616	767	770	774	rBV	367599	308657	26.97%	1.894%
4	6.851	806	810	814	rBV	569291	442155	38.63%	2.713%
5	7.004	833	836	840	rBV	282860	238617	20.85%	1.464%
6	7.410	902	905	912	rBV	214784	169025	14.77%	1.037%
7	8.134	1024	1028	1030	rBV	680361	556832	48.65%	3.416%
8	8.157	1030	1032	1035	rVB	136204	99429	8.69%	0.610%
9	8.845	1146	1149	1153	rVB	110173	85037	7.43%	0.522%
10	8.945	1161	1166	1170	rBB	96077	73141	6.39%	0.449%
11	9.204	1207	1210	1214	rBV	443480	353780	30.91%	2.171%
12	9.469	1252	1255	1259	rBV	43337	55095	4.81%	0.338%
13	9.545	1264	1268	1271	rVV	80950	77101	6.74%	0.473%
14	9.575	1271	1273	1275	rVV	53082	38614	3.37%	0.237%
15	9.598	1275	1277	1285	rVB2	28122	41551	3.63%	0.255%
16	9.663	1285	1288	1295	rBB	40779	42228	3.69%	0.259%
17	9.751	1300	1303	1306	rVV	119513	94431	8.25%	0.579%
18	9.892	1323	1327	1330	rVV	642025	548269	47.90%	3.364%
19	9.922	1330	1332	1335	rVB	136555	97512	8.52%	0.598%
20	10.092	1355	1361	1365	rVV2	121862	106470	9.30%	0.653%
21	10.204	1376	1380	1383	rBV2	32642	38702	3.38%	0.237%
22	10.286	1390	1394	1397	rBV3	18303	29257	2.56%	0.180%
23	10.439	1416	1420	1425	rVB	190339	181645	15.87%	1.114%
24	10.592	1443	1446	1449	rVB	38274	34148	2.98%	0.210%
25	10.675	1457	1460	1464	rVB	219981	199128	17.40%	1.222%
26	10.986	1508	1513	1515	rBV2	55351	64987	5.68%	0.399%
27	11.016	1515	1518	1520	rVV2	34067	32444	2.83%	0.199%
28	11.110	1530	1534	1536	rVV3	21979	29086	2.54%	0.178%
29	11.133	1536	1538	1544	rVV3	28783	37992	3.32%	0.233%
30	11.227	1550	1554	1557	rVV3	24954	32450	2.84%	0.199%
31	11.275	1557	1562	1566	rVB	54629	48466	4.23%	0.297%
32	11.380	1576	1580	1582	rBV	527249	488896	42.71%	3.000%
33	11.404	1582	1584	1587	rVV	830035	611215	53.40%	3.750%
34	11.451	1589	1592	1595	rVV	227461	206134	18.01%	1.265%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.486	1595	1598	1601	rVB2	27299	31190	2.72%	0.191%
36	11.610	1615	1619	1624	rBV2	43209	51304	4.48%	0.315%
37	11.710	1632	1636	1640	rVV3	35679	40343	3.52%	0.248%
38	11.880	1659	1665	1667	rBV	142736	130245	11.38%	0.799%
39	11.910	1667	1670	1673	rVB	180770	158057	13.81%	0.970%
40	11.957	1673	1678	1680	rBV	86040	84594	7.39%	0.519%
41	11.992	1680	1684	1686	rVV2	240786	251146	21.94%	1.541%
42	12.016	1686	1688	1692	rVB	109792	89873	7.85%	0.551%
43	12.174	1707	1715	1717	rVV2	85422	91313	7.98%	0.560%
44	12.204	1717	1720	1725	rVB	34499	35119	3.07%	0.215%
45	12.351	1743	1745	1747	rVV	37107	31134	2.72%	0.191%
46	12.380	1747	1750	1752	rVB	37123	33154	2.90%	0.203%
47	12.427	1752	1758	1760	rBV	121401	135769	11.86%	0.833%
48	12.445	1760	1761	1763	rVV2	59715	59793	5.22%	0.367%
49	12.469	1763	1765	1767	rVV2	99017	92367	8.07%	0.567%
50	12.516	1770	1773	1778	rBV2	65213	87896	7.68%	0.539%
51	12.598	1782	1787	1790	rBV	995814	897986	78.45%	5.509%
52	12.657	1795	1797	1799	rVB2	39180	31811	2.78%	0.195%
53	12.686	1799	1802	1805	rBV	47202	37700	3.29%	0.231%
54	12.827	1819	1826	1831	rBV	891176	1019610	89.08%	6.256%
55	12.874	1831	1834	1838	rVB2	63817	74149	6.48%	0.455%
56	12.939	1840	1845	1846	rBV2	63442	61162	5.34%	0.375%
57	12.957	1846	1848	1851	rVV	299813	267622	23.38%	1.642%
58	12.980	1851	1852	1857	rVB	63583	38161	3.33%	0.234%
59	13.039	1857	1862	1866	rBV2	100501	164177	14.34%	1.007%
60	13.127	1873	1877	1878	rVV3	80037	94210	8.23%	0.578%
61	13.151	1878	1881	1884	rVB	216623	201985	17.65%	1.239%
62	13.192	1884	1888	1889	rBV3	22685	29310	2.56%	0.180%
63	13.216	1889	1892	1895	rVV	181337	157996	13.80%	0.969%
64	13.257	1895	1899	1902	rVV2	141676	164344	14.36%	1.008%
65	13.316	1906	1909	1911	rVV3	32933	41228	3.60%	0.253%
66	13.345	1911	1914	1917	rVV	95380	95260	8.32%	0.584%
67	13.374	1917	1919	1923	rVV	93858	100844	8.81%	0.619%
68	13.551	1946	1949	1951	rVV3	32279	36871	3.22%	0.226%
69	13.633	1960	1963	1965	rBV2	44049	52984	4.63%	0.325%
70	13.657	1965	1967	1971	rVB	69912	76743	6.70%	0.471%
71	13.769	1981	1986	1989	rBV2	91432	135054	11.80%	0.829%

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72	13.798	1989	1991	1993	rVV	95589	82636	7.22%	0.507%
73	13.821	1993	1995	2001	rVV3	76195	127304	11.12%	0.781%
74	13.868	2001	2003	2005	rVB	60251	49668	4.34%	0.305%
75	13.939	2011	2015	2017	rBV	27376	35872	3.13%	0.220%
76	14.016	2021	2028	2032	rVV2	722739	1144614	100.00%	7.023%
77	14.051	2032	2034	2041	rVV	468062	434293	37.94%	2.665%
78	14.104	2041	2043	2045	rVV2	34793	36569	3.19%	0.224%
79	14.127	2045	2047	2049	rVV	115259	102575	8.96%	0.629%
80	14.168	2051	2054	2059	rVV2	65334	119791	10.47%	0.735%
81	14.245	2063	2067	2070	rVV3	51037	78196	6.83%	0.480%
82	14.274	2070	2072	2075	rVB3	36244	34934	3.05%	0.214%
83	14.368	2086	2088	2090	rVV2	39359	36530	3.19%	0.224%
84	14.404	2090	2094	2097	rVV	151672	177400	15.50%	1.088%
85	14.439	2097	2100	2102	rVV	89591	81333	7.11%	0.499%
86	14.480	2104	2107	2109	rVV3	41274	60613	5.30%	0.372%
87	14.504	2109	2111	2113	rVV	81211	70546	6.16%	0.433%
88	14.533	2113	2116	2118	rVV	93893	103985	9.08%	0.638%
89	14.551	2118	2119	2123	rVV3	78161	70904	6.19%	0.435%
90	14.598	2123	2127	2134	rVB5	49446	71983	6.29%	0.442%
91	15.068	2202	2207	2209	rBV	308254	459328	40.13%	2.818%
92	15.168	2221	2224	2229	rVB	83794	97674	8.53%	0.599%
93	15.263	2237	2240	2241	rBV3	24362	31011	2.71%	0.190%
94	15.368	2254	2258	2264	rVB	188362	252630	22.07%	1.550%
95	15.433	2264	2269	2274	rBV	303701	377312	32.96%	2.315%
96	15.498	2275	2280	2283	rVV	253035	344361	30.09%	2.113%
97	15.527	2283	2285	2291	rVB2	86057	104931	9.17%	0.644%
98	16.062	2372	2376	2383	rVB3	34236	50391	4.40%	0.309%
99	16.974	2524	2531	2540	rBV2	121986	236601	20.67%	1.452%
100	17.421	2600	2607	2617	rBV2	92764	205028	17.91%	1.258%

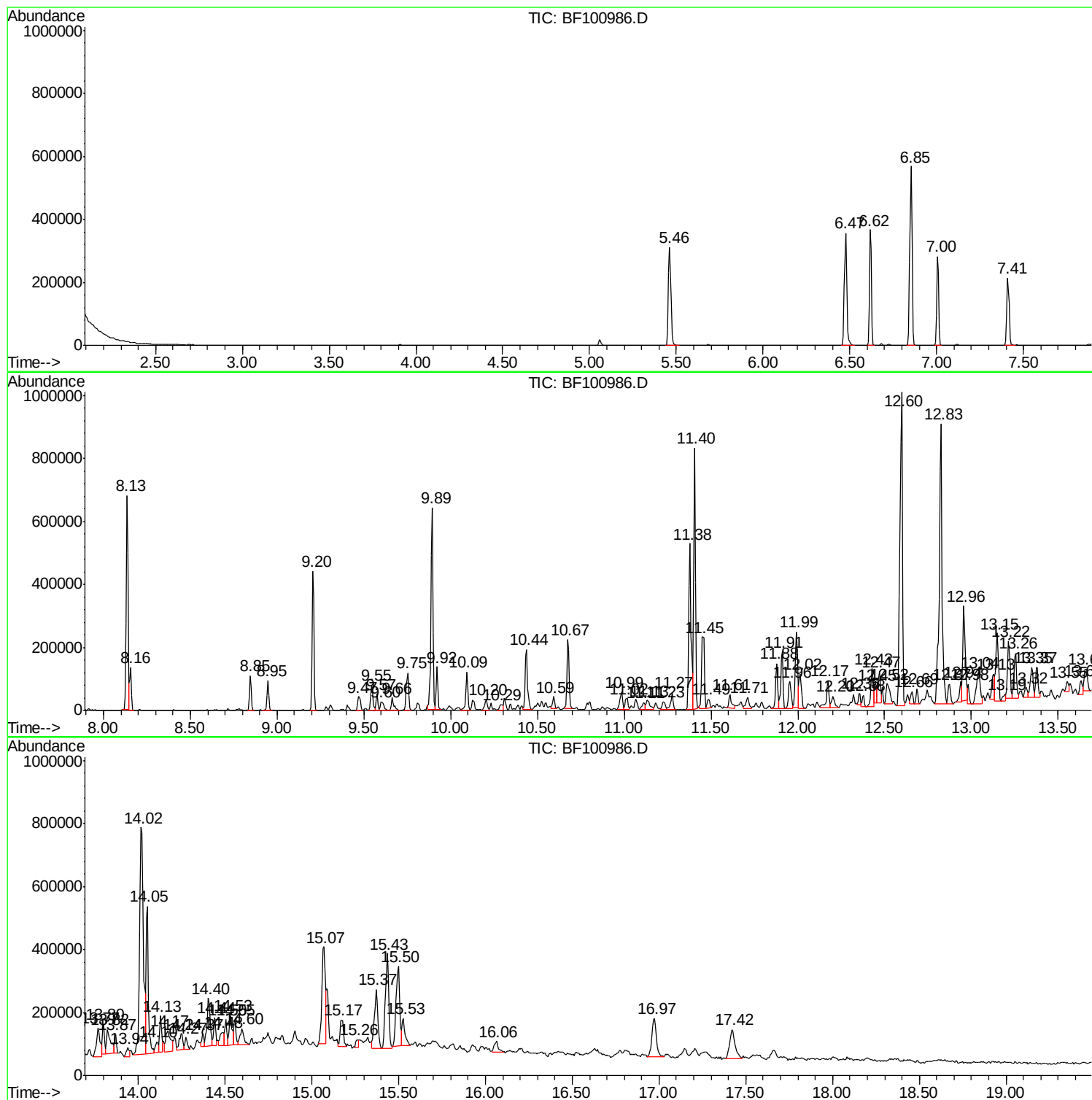
Sum of corrected areas: 16299109

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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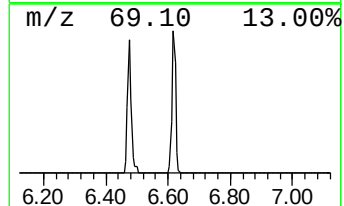
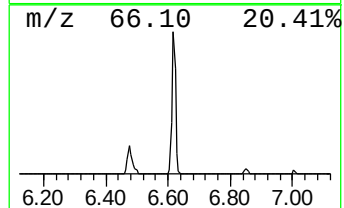
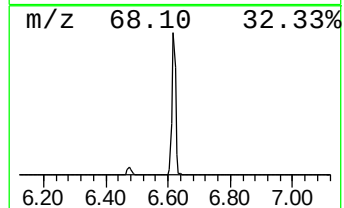
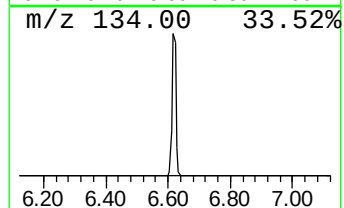
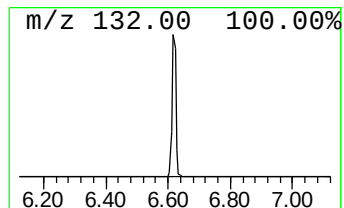
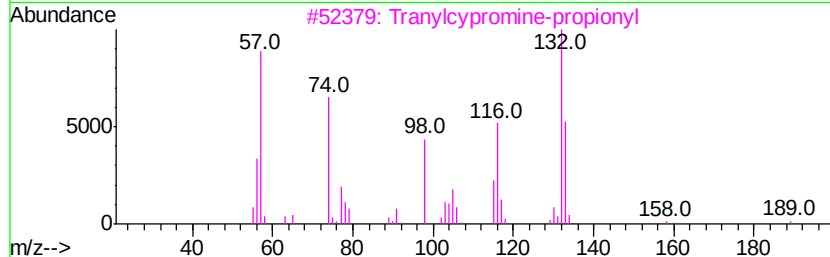
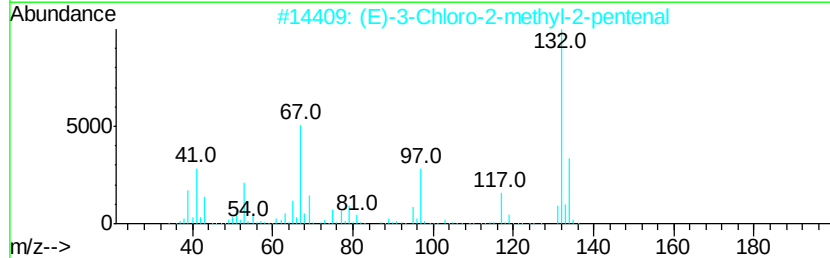
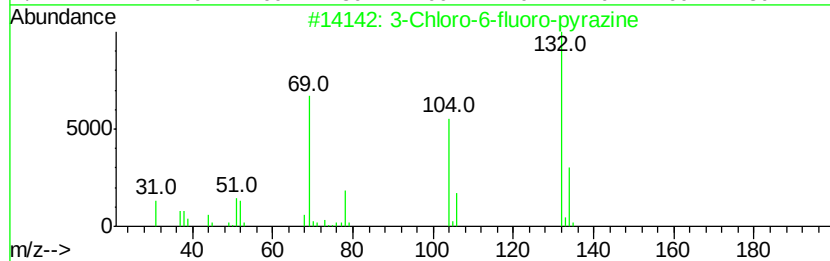
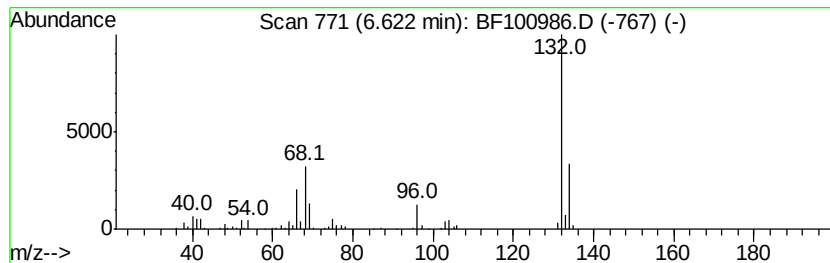
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.62 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	13.96 ng	308657	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	10
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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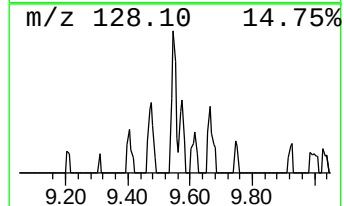
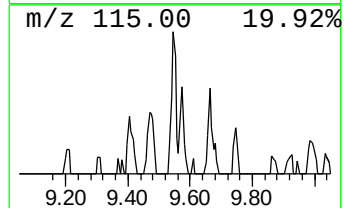
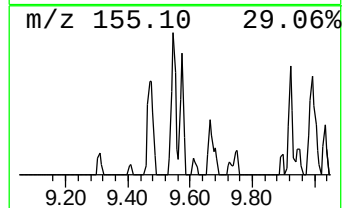
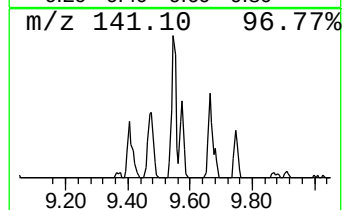
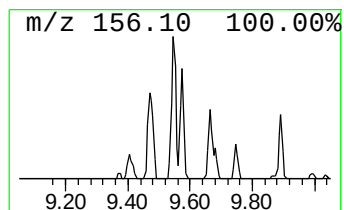
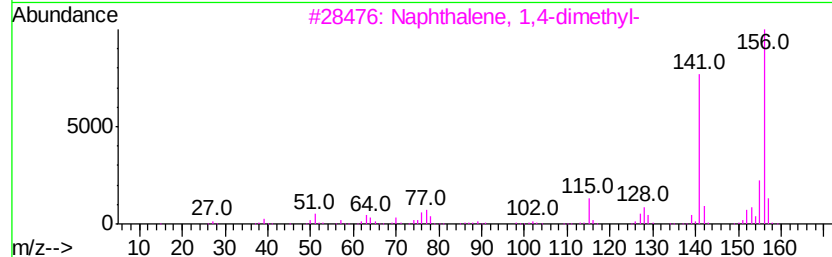
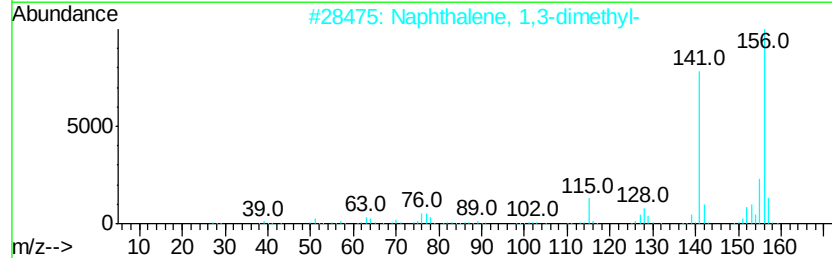
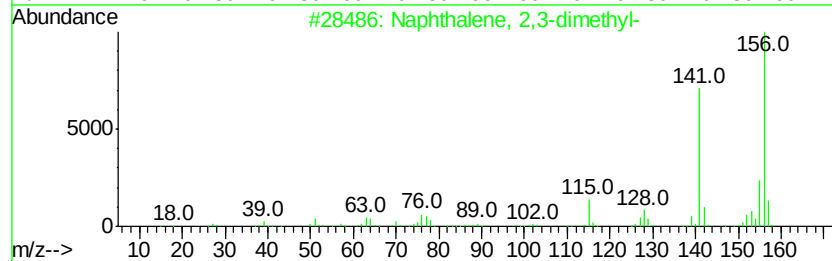
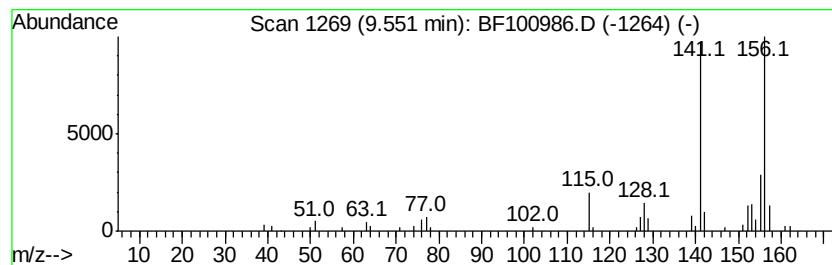
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	2.81 ng	77101	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95



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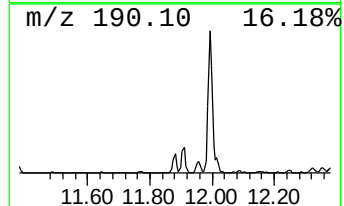
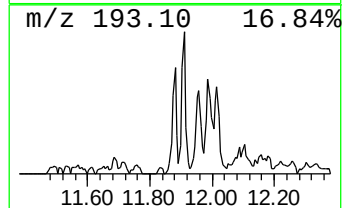
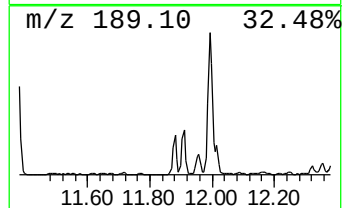
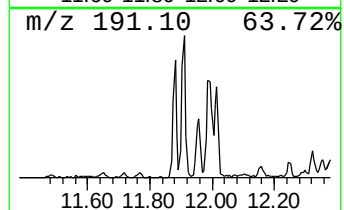
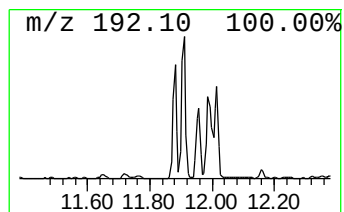
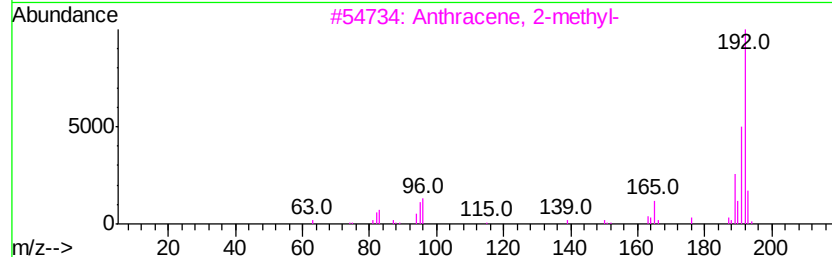
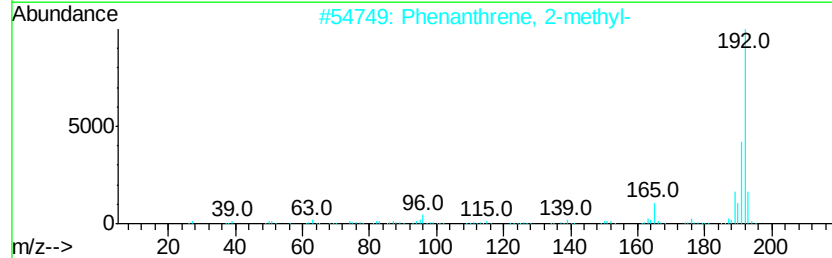
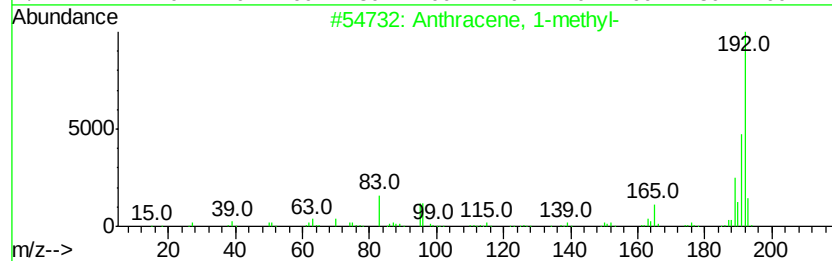
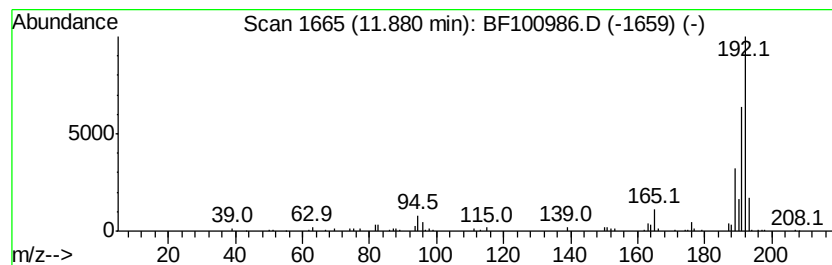
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Peak Number 4 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	5.33 ng	130245	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100986.D
Acq On : 29 Nov 2017 18:58
Operator : SJ/JU
Sample : I6304-22 5X
Misc :
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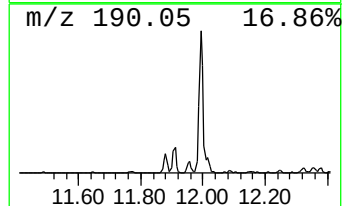
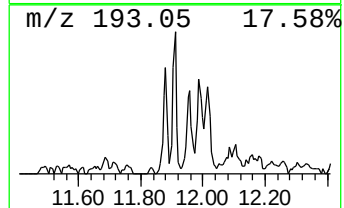
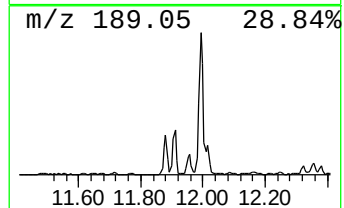
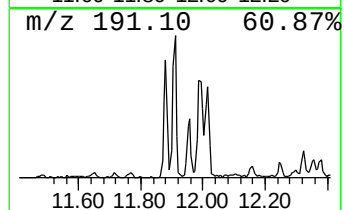
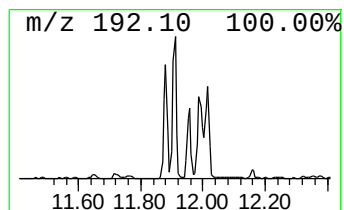
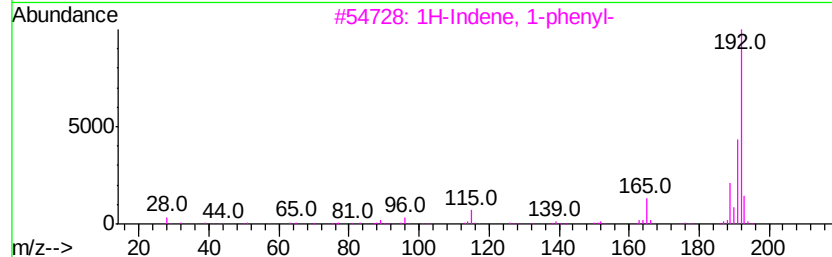
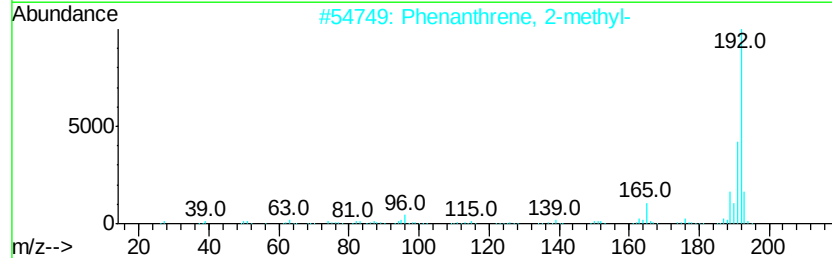
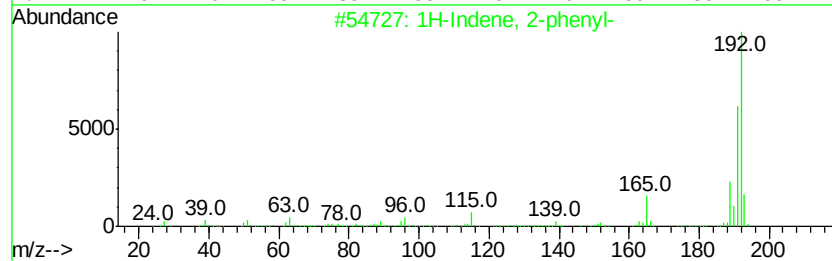
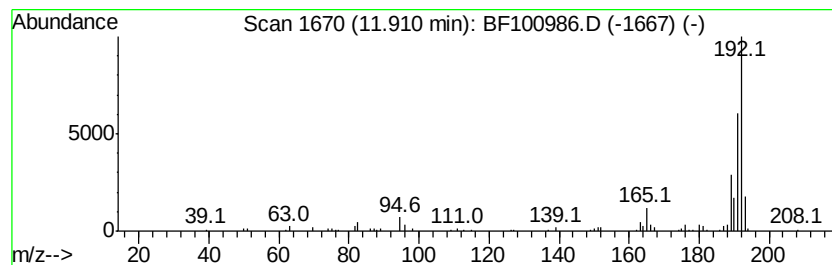
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1H-Indene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.91	6.47 ng	158057	Phenanthrene-d10	11.38	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
Data File : BF100986.D
Acq On : 29 Nov 2017 18:58
Operator : SJ/JU
Sample : I6304-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-02-112817-A

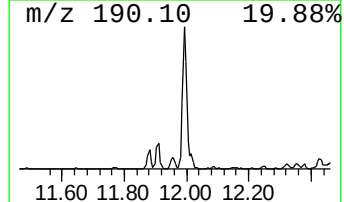
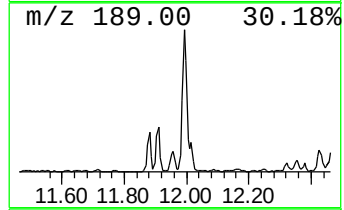
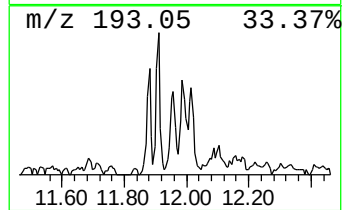
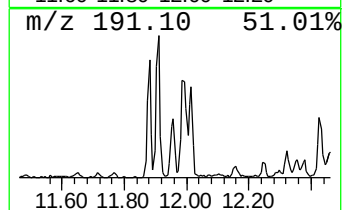
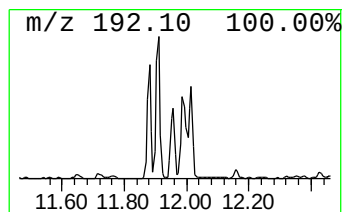
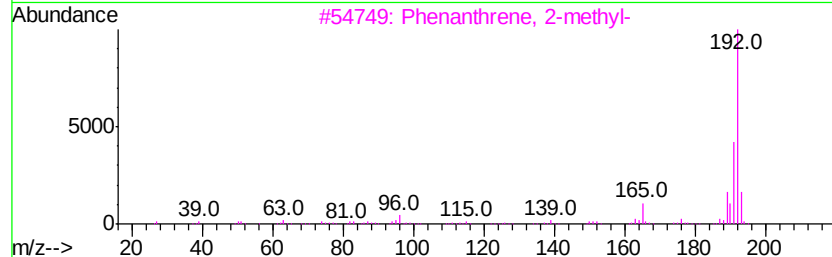
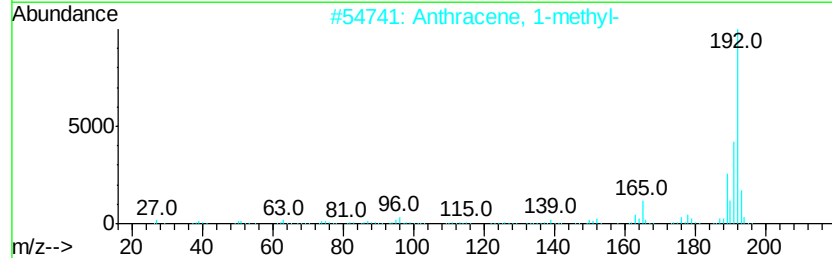
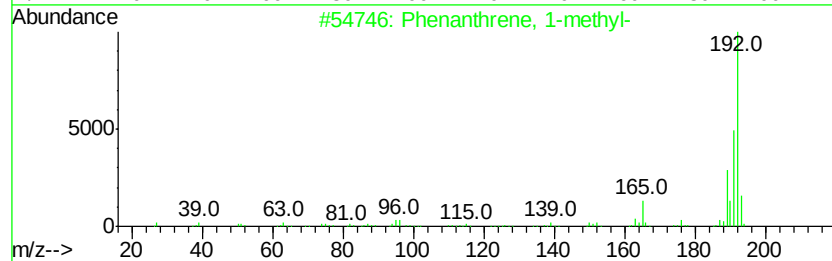
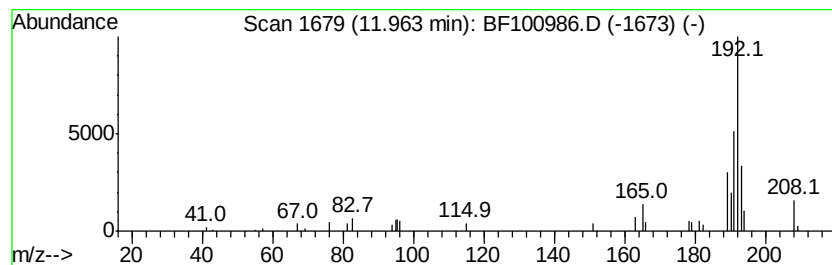
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	3.46 ng	84594	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4		1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
Data File : BF100986.D
Acq On : 29 Nov 2017 18:58
Operator : SJ/JU
Sample : I6304-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

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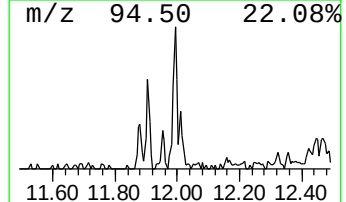
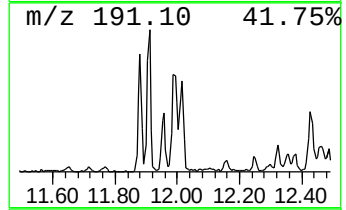
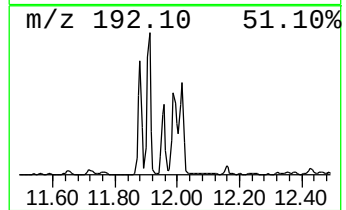
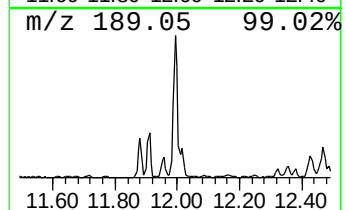
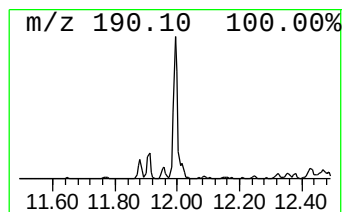
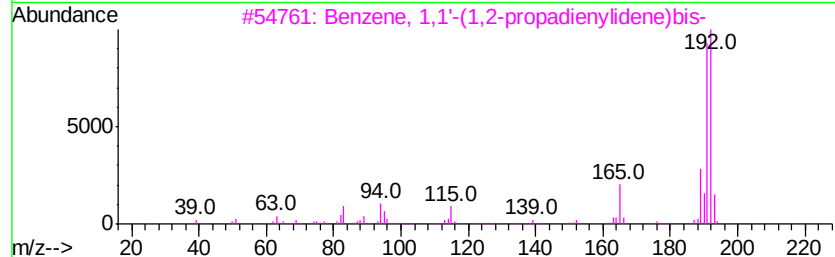
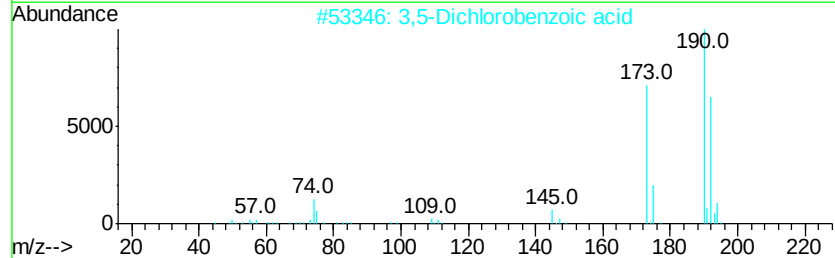
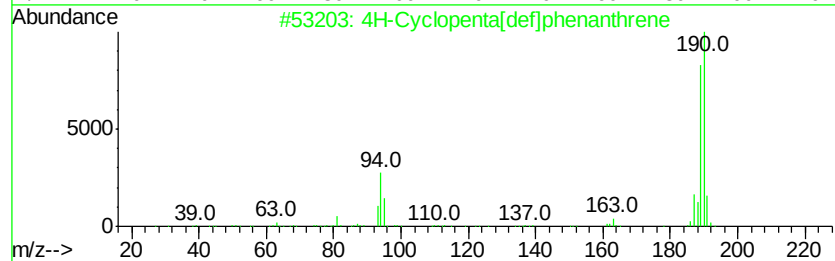
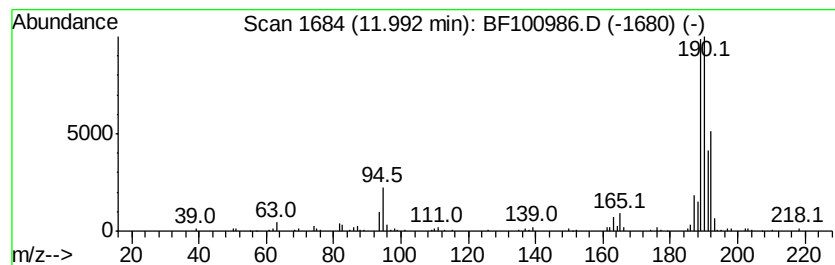
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	10.27 ng	251146	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2		3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30
3		Benzene, 1,1'-(1,2-propadienyldi...	192	C15H12	014251-57-1	22
4		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	22
5		1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	14



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100986.D
Acq On : 29 Nov 2017 18:58
Operator : SJ/JU
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Misc :
ALS Vial : 15 Sample Multiplier: 1

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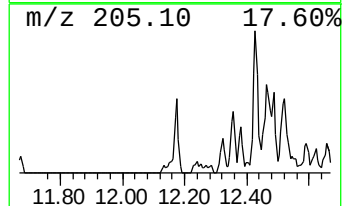
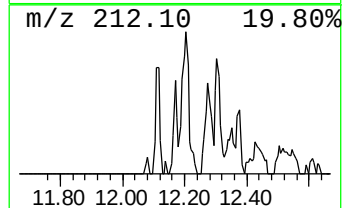
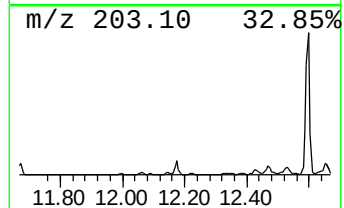
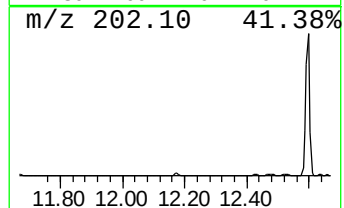
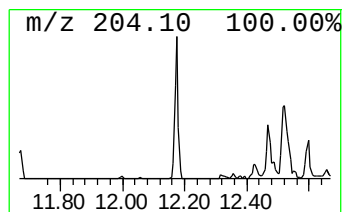
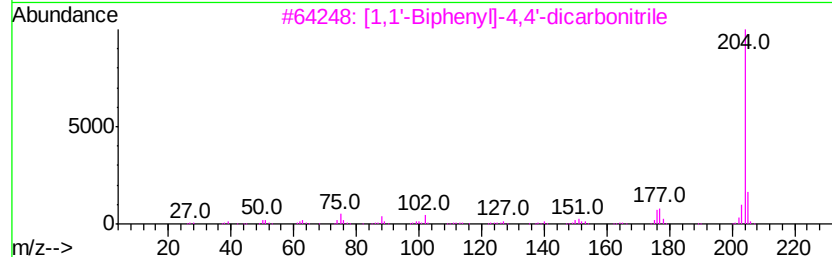
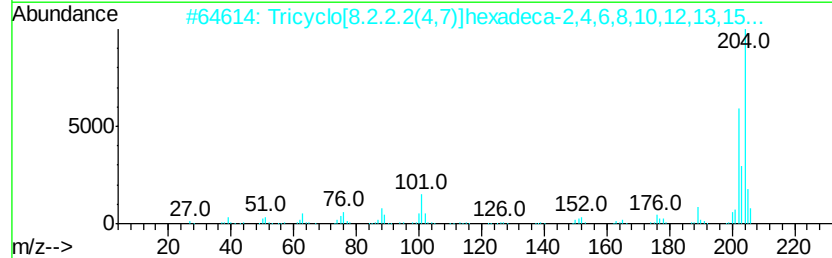
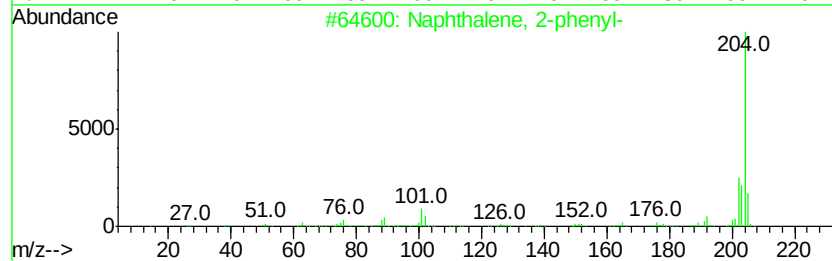
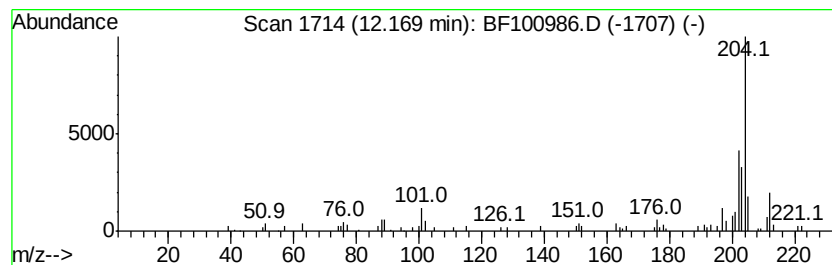
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	3.74 ng	91313	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	60
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
5		6-Cyanophenanthridine	204	C14H8N2	002176-28-5	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
Data File : BF100986.D
Acq On : 29 Nov 2017 18:58
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Sample : I6304-22 5X
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ALS Vial : 15 Sample Multiplier: 1

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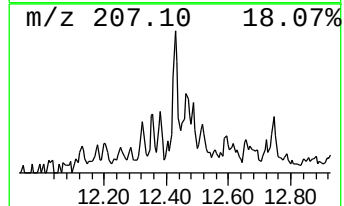
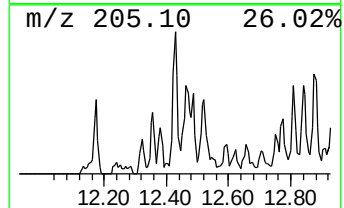
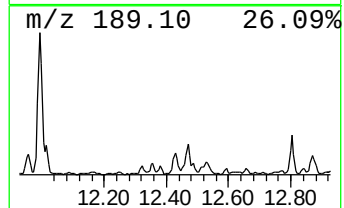
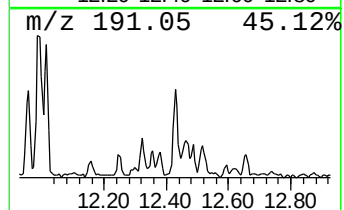
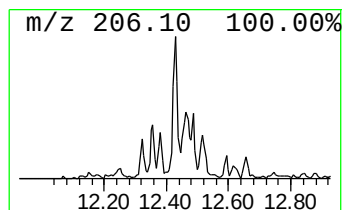
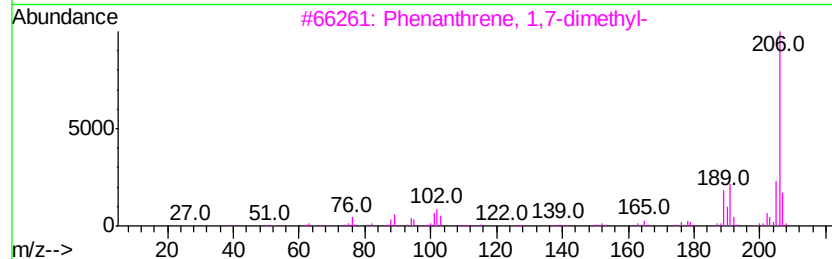
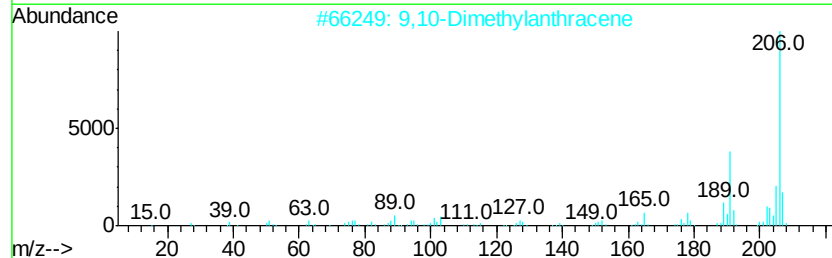
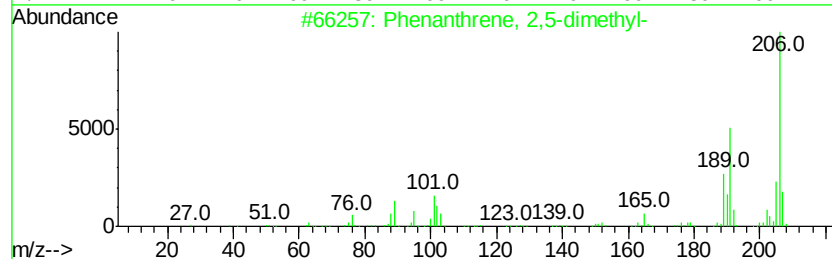
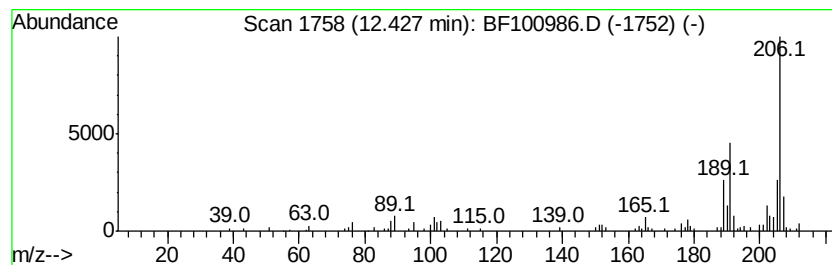
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	5.55 ng	135769	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	97
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
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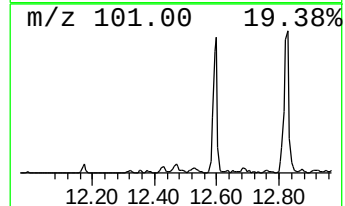
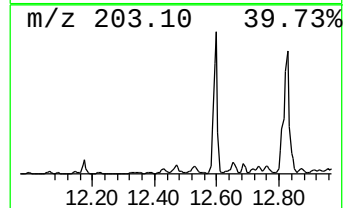
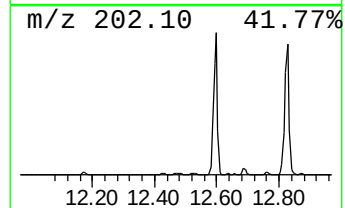
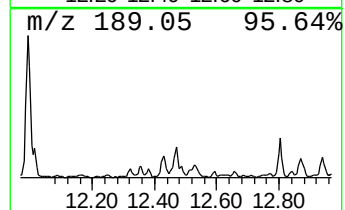
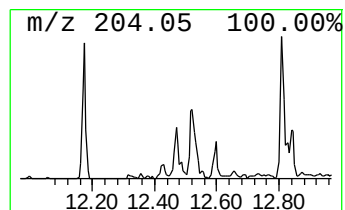
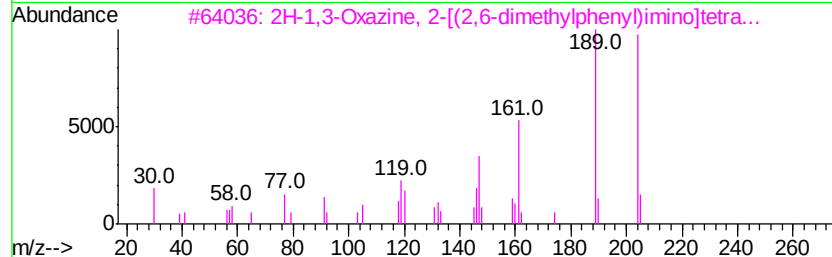
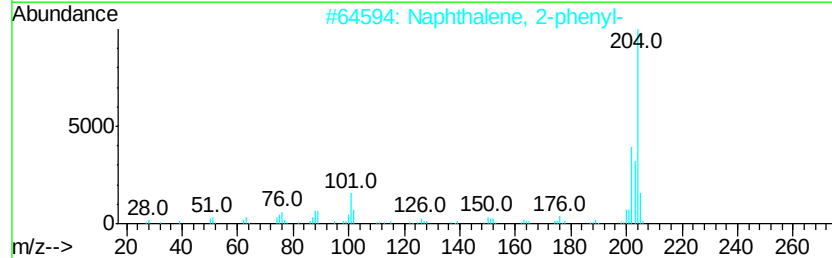
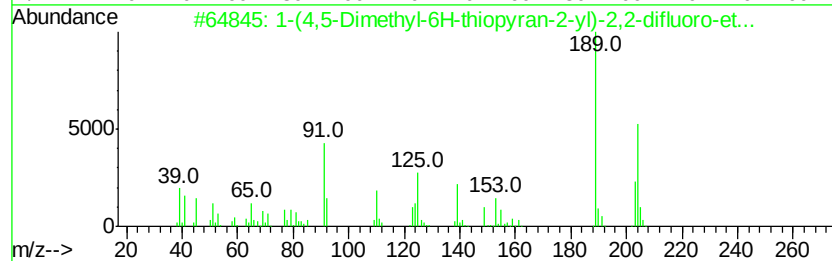
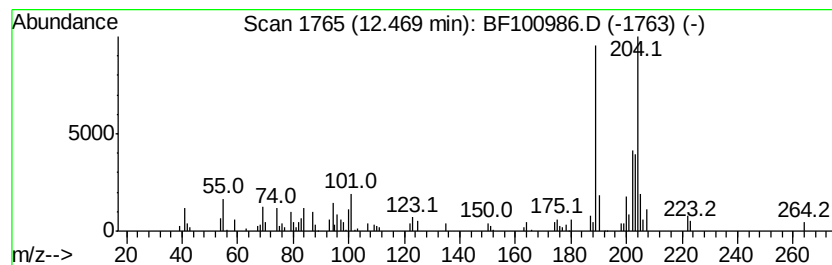
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1-(4,5-Dimethyl-6H-thiopyra... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.47	3.78 ng	92367	Phenanthrene-d10	11.38		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-(4,5-Dimethyl-6H-thiopyran-2-v...	204	C9H10F2OS	1000318-25-0	53
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	45
3		2H-1,3-Oxazine, 2-[(2,6-dimethyl...	204	C12H16N2O	054708-09-7	43
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43
5		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	40



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
Data File : BF100986.D
Acq On : 29 Nov 2017 18:58
Operator : SJ/JU
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ALS Vial : 15 Sample Multiplier: 1

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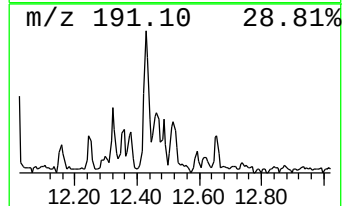
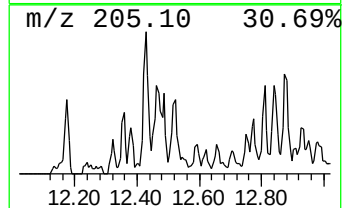
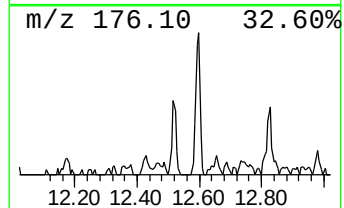
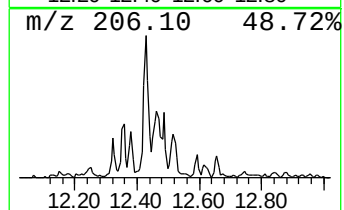
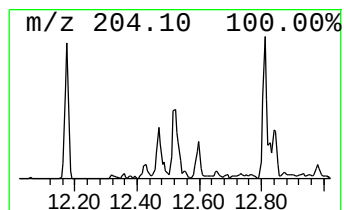
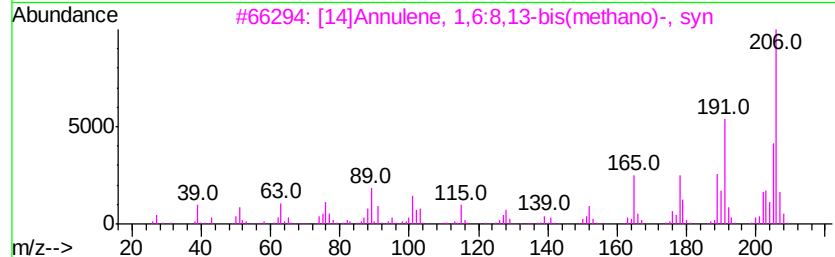
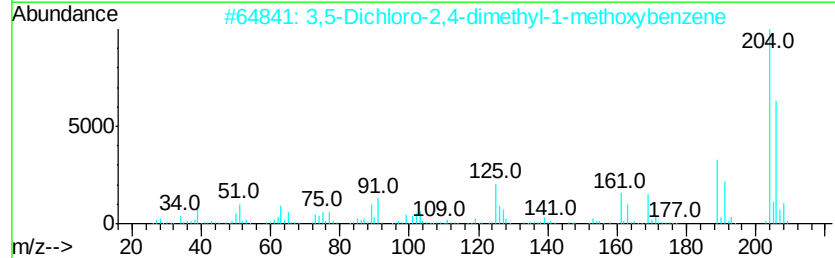
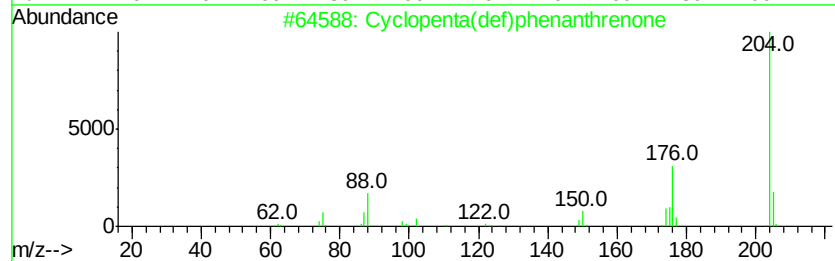
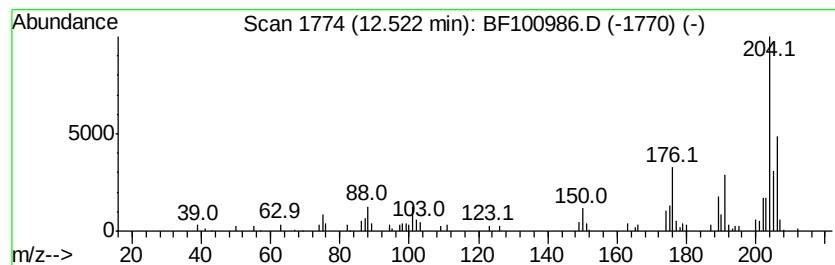
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	3.60 ng	87896	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	78
2		3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	46
3		[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	42
4		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	42
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
Data File : BF100986.D
Acq On : 29 Nov 2017 18:58
Operator : SJ/JU
Sample : I6304-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

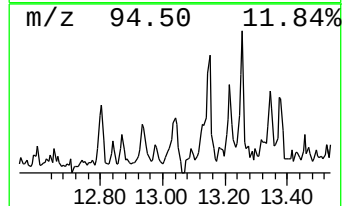
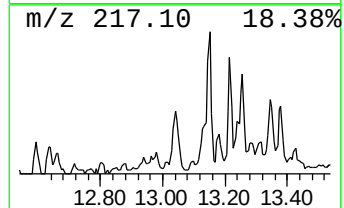
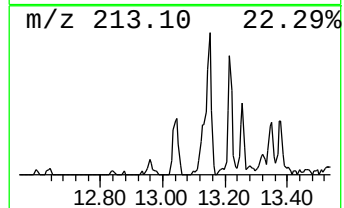
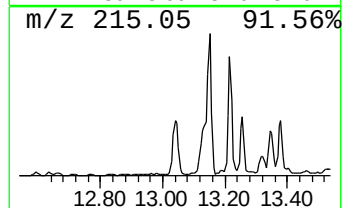
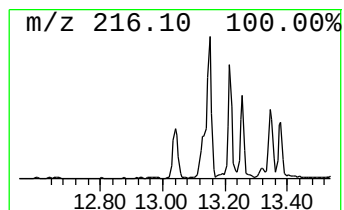
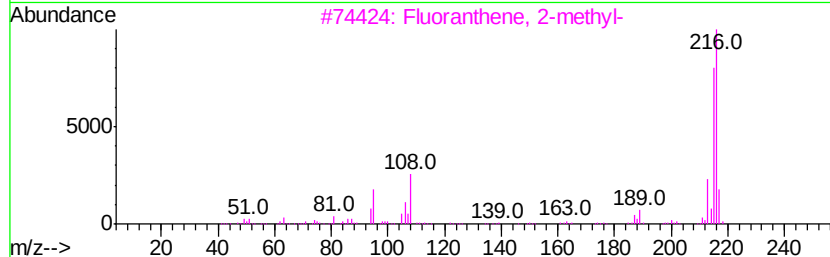
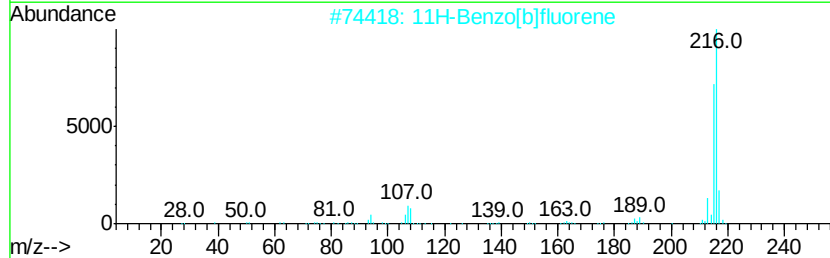
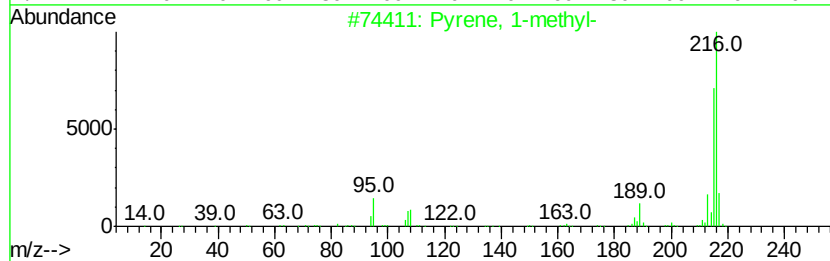
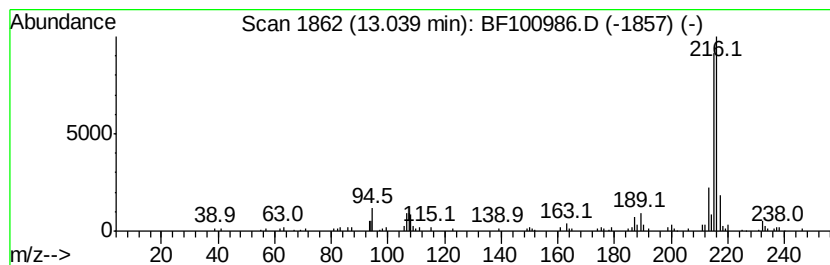
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.04	2.87 ng	164177	Chrysene-d12	14.02	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
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Misc :
ALS Vial : 15 Sample Multiplier: 1

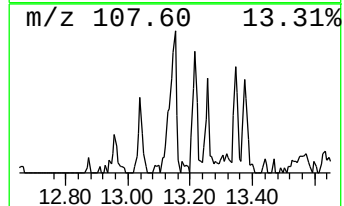
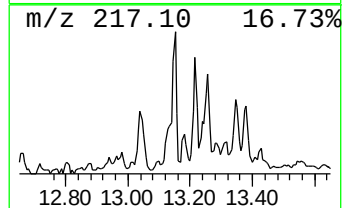
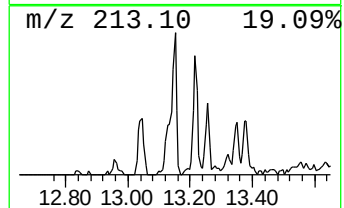
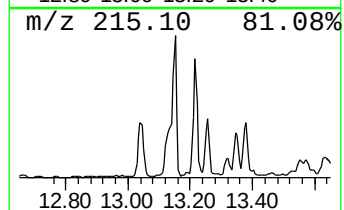
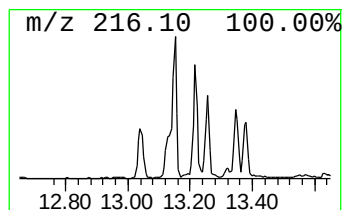
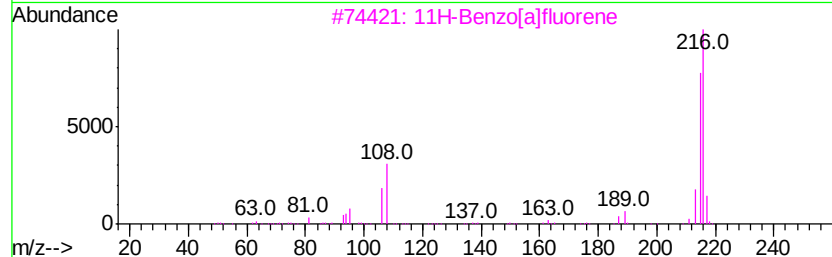
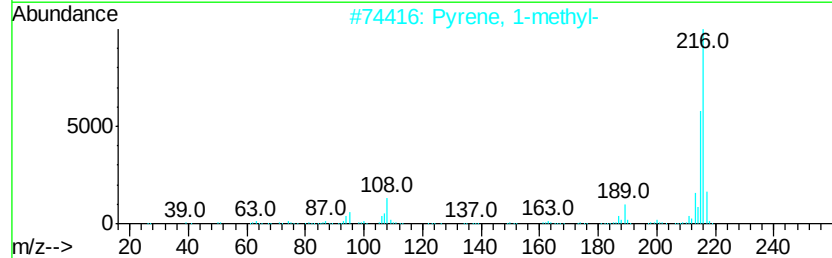
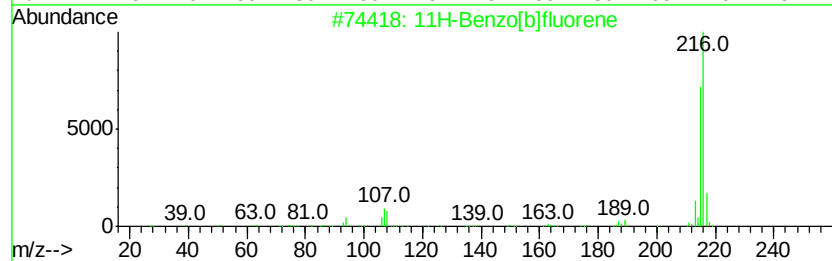
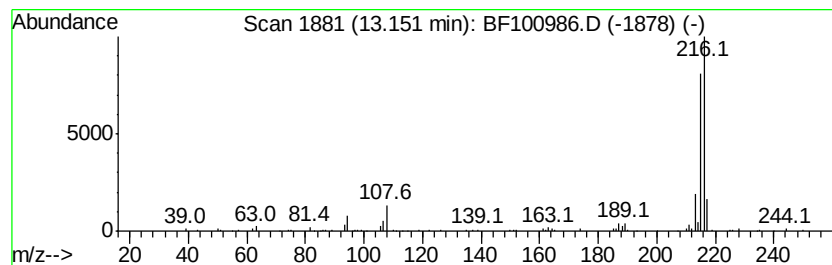
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	3.53 ng	201985	Chrysene-d12	14.02
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 96
2		Pyrene, 1-methyl-	216 C17H12	002381-21-7 90
3		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 83
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 81
5		1,3,5-Triazine-2,4,6-triamine, N...	216 C10H12N6	046731-79-7 64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
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Misc :
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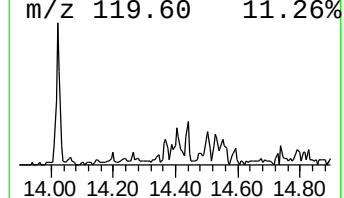
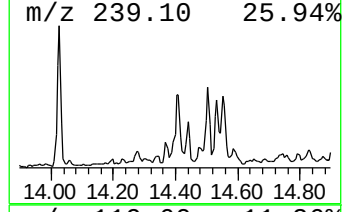
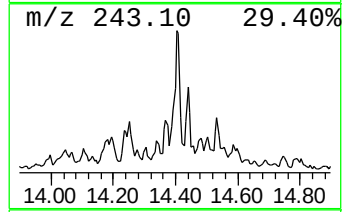
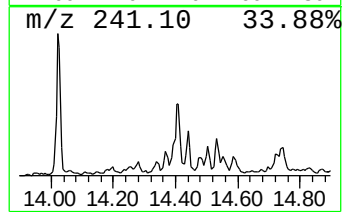
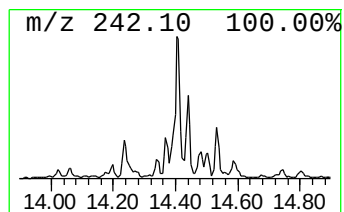
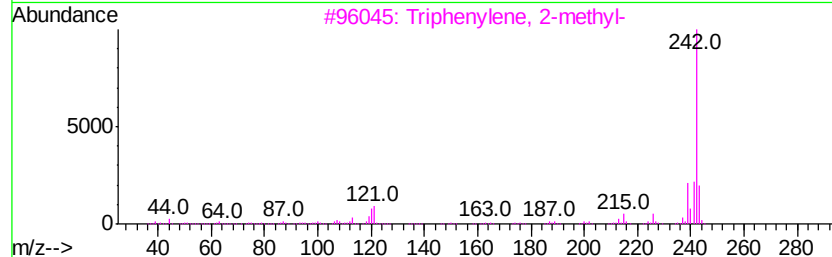
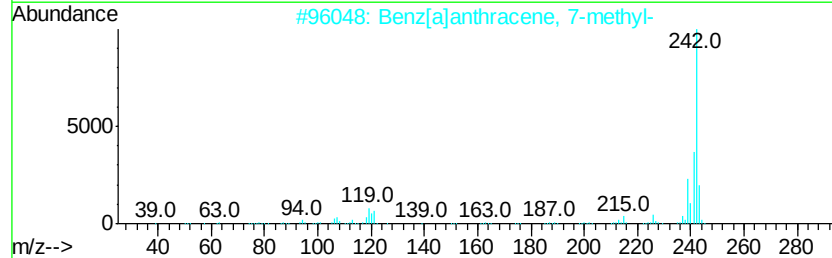
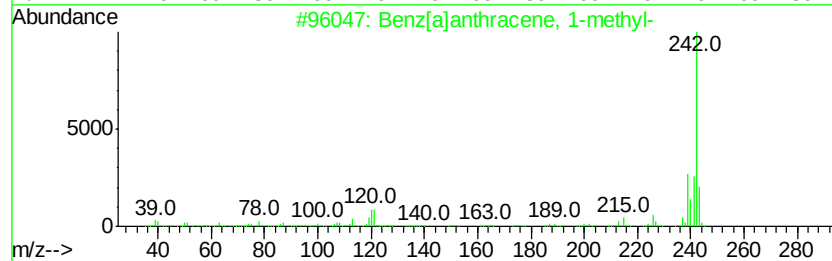
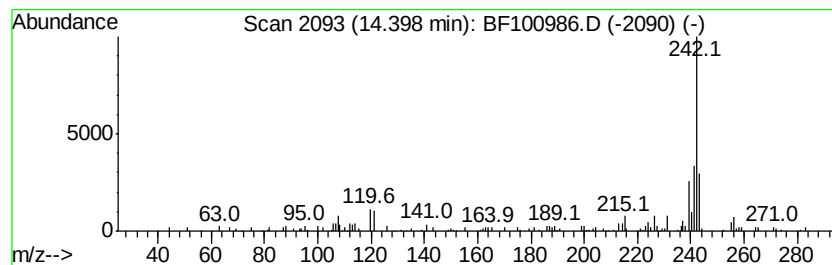
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benz[a]anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	3.10 ng	177400	Chrysene-d12	14.02
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benz[a]anthracene, 1-methyl-	242 C19H14	002498-77-3 96
2		Benz[a]anthracene, 7-methyl-	242 C19H14	002541-69-7 95
3		Triphenylene, 2-methyl-	242 C19H14	001705-84-6 93
4		Chrysene, 1-methyl-	242 C19H14	003351-28-8 93
5		Benz[a]anthracene, 8-methyl-	242 C19H14	002381-31-9 93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
Data File : BF100986.D
Acq On : 29 Nov 2017 18:58
Operator : SJ/JU
Sample : I6304-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-02-112817-A

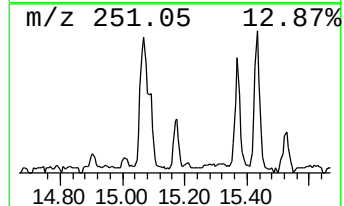
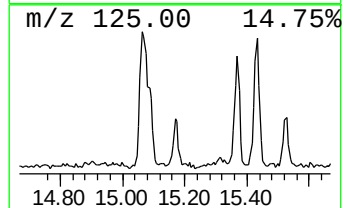
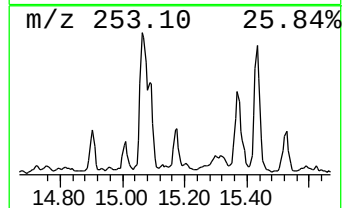
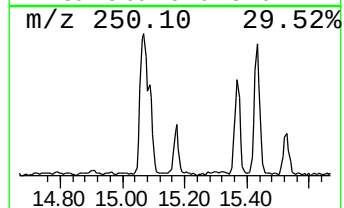
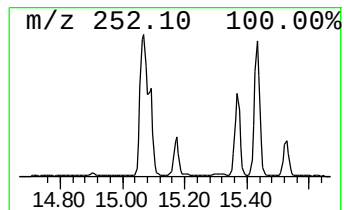
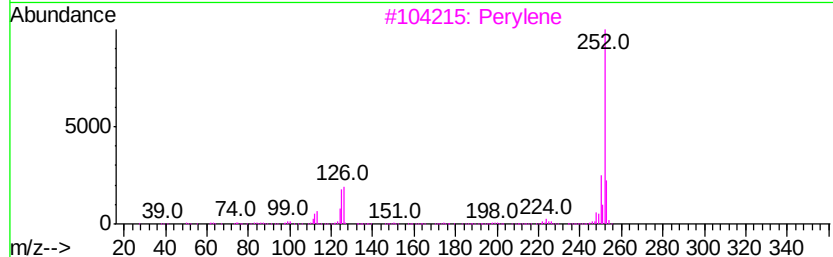
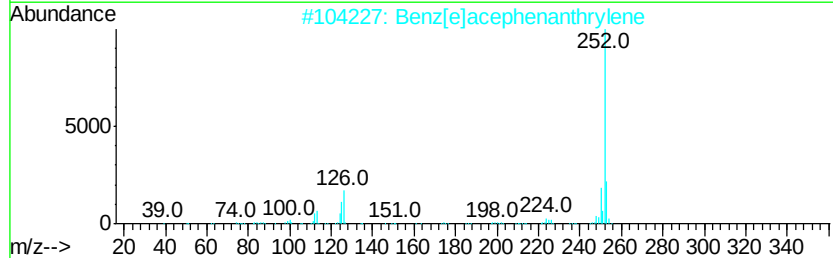
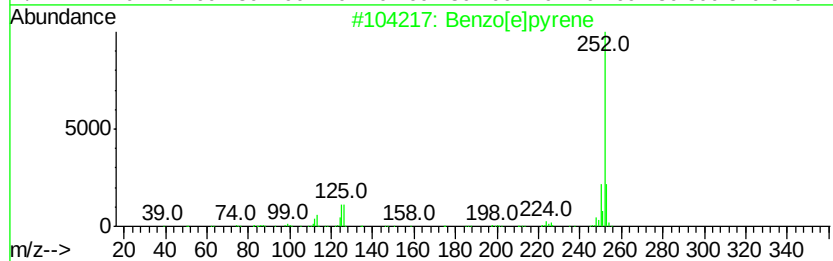
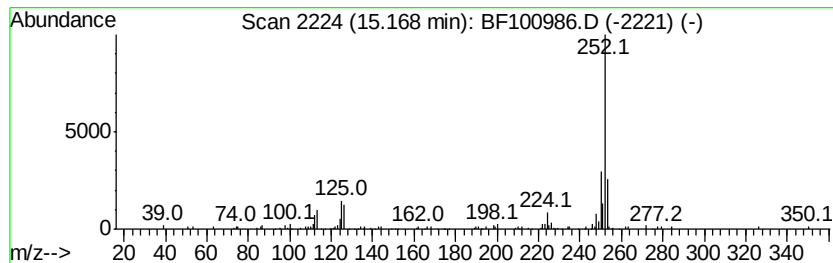
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	5.67 ng	97674	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3		Perylene	252	C20H12	000198-55-0	90
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5		Benzo[a]pyrene	252	C20H12	000050-32-8	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100986.D
Acq On : 29 Nov 2017 18:58
Operator : SJ/JU
Sample : I6304-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

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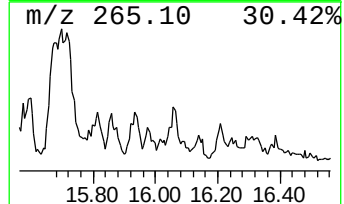
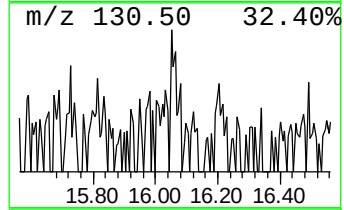
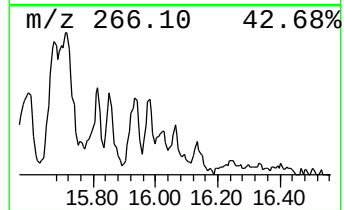
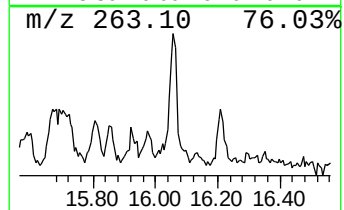
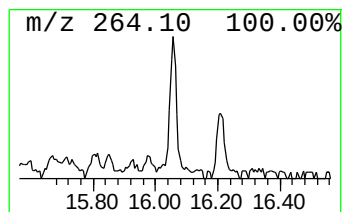
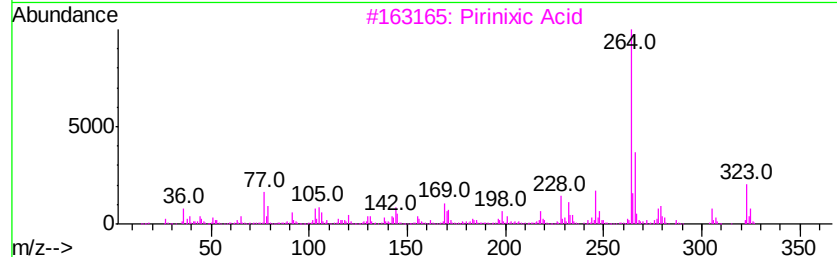
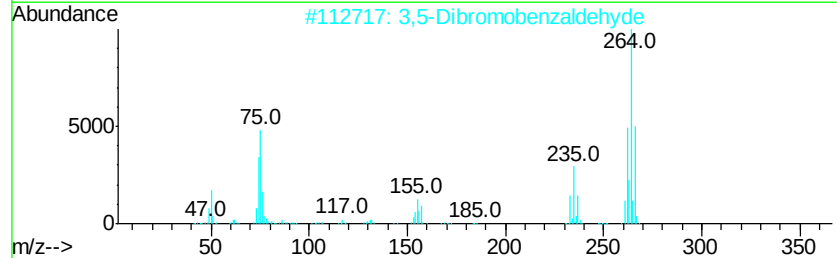
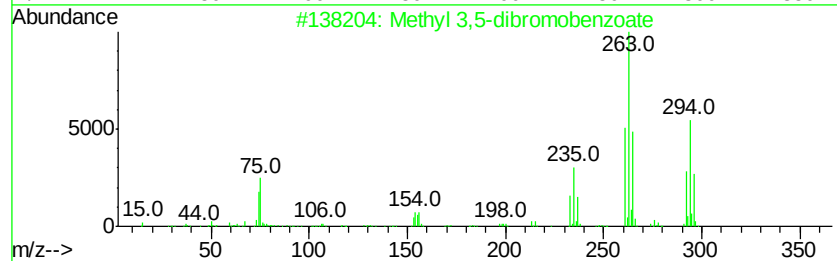
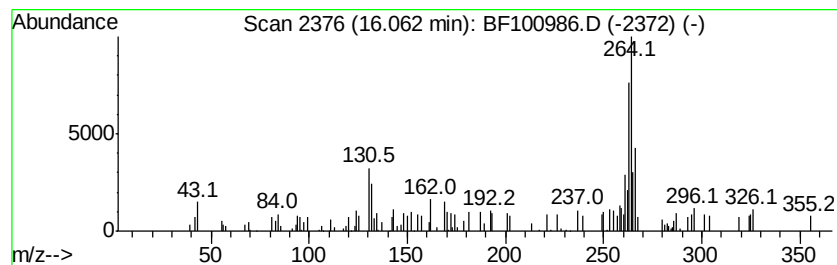
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown16.06 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	2.93 ng	50391	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methyl 3,5-dibromobenzoate	292	C8H6Br2O2	051329-15-8	35
2		3,5-Dibromobenzaldehyde	262	C7H4Br2O	056990-02-4	35
3		Pirinixic Acid	323	C14H14ClN3O2S	050892-23-4	35
4		Benzene, 1,2-dibromo-4,5-dimethyl-	262	C8H8Br2	024932-48-7	30
5		Phenothiazine, 2-chloro-3-methoxy-	263	C13H10ClNOs	017800-08-7	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
 Data File : BF100986.D
 Acq On : 29 Nov 2017 18:58
 Operator : SJ/JU
 Sample : I6304-22 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Anthracene, 1-met...	11.88	5.3	ng	130245	4	11.38	488896	20.0
1H-Indene, 2-phenyl-	11.91	6.5	ng	158057	4	11.38	488896	20.0
Phenanthrene, 1-m...	11.96	3.5	ng	84594	4	11.38	488896	20.0
4H-Cyclopenta[def...	11.99	10.3	ng	251146	4	11.38	488896	20.0
Naphthalene, 2-ph...	12.17	3.7	ng	91313	4	11.38	488896	20.0
Phenanthrene, 2,5...	12.43	5.5	ng	135769	4	11.38	488896	20.0
1-(4,5-Dimethyl-6...	12.47	3.8	ng	92367	4	11.38	488896	20.0
Cyclopenta(def)ph...	12.52	3.6	ng	87896	4	11.38	488896	20.0
Pyrene, 1-methyl-	13.04	2.9	ng	164177	5	14.02	1144610	20.0
11H-Benzo[b]fluorene	13.15	3.5	ng	201985	5	14.02	1144610	20.0
Benz[a]anthracene...	14.40	3.1	ng	177400	5	14.02	1144610	20.0
Benzo[e]pyrene	15.17	5.7	ng	97674	6	15.50	344361	20.0
unknown16.06	16.06	2.9	ng	50391	6	15.50	344361	20.0