

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031418\
 Data File : BF103649.D
 Acq On : 14 Mar 2018 19:06
 Operator : SJ/JU
 Sample : J1908-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-B

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-BF022218.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	5.092	508	511	533	rBV	71983	152731	3.88%	0.259%
2	5.486	575	578	612	rBV	1107672	2736504	69.47%	4.636%
3	6.498	747	750	769	rBV	1211348	2678907	68.01%	4.539%
4	6.628	769	772	800	rVB	1983482	3009784	76.41%	5.099%
5	6.857	808	811	833	rVB	429332	768816	19.52%	1.303%
6	7.010	833	837	862	rVB	1670087	2074401	52.67%	3.514%
7	7.428	905	908	931	rBV	842221	1821925	46.26%	3.087%
8	8.139	1026	1029	1063	rVB	557526	1080829	27.44%	1.831%
9	8.869	1149	1153	1161	rBV3	20918	45532	1.16%	0.077%
10	8.957	1164	1168	1175	rBV	33255	43052	1.09%	0.073%
11	9.074	1185	1188	1193	rBV	82549	74700	1.90%	0.127%
12	9.186	1204	1207	1208	rBV	88542	68674	1.74%	0.116%
13	9.210	1208	1211	1220	rVV	2054541	2354660	59.78%	3.989%
14	9.274	1220	1222	1227	rVV	90156	125736	3.19%	0.213%
15	9.316	1227	1229	1241	rVB3	45877	80108	2.03%	0.136%
16	9.422	1241	1247	1254	rBV8	25955	67935	1.72%	0.115%
17	9.557	1266	1270	1273	rBV	49983	56444	1.43%	0.096%
18	9.763	1301	1305	1310	rBV	119232	156942	3.98%	0.266%
19	9.804	1310	1312	1317	rVB	77971	71076	1.80%	0.120%
20	9.898	1324	1328	1331	rBV	808702	825416	20.96%	1.398%
21	9.927	1331	1333	1343	rVB	168914	227741	5.78%	0.386%
22	10.210	1378	1381	1385	rBV	35996	47773	1.21%	0.081%
23	10.304	1395	1397	1404	rVB	115137	114659	2.91%	0.194%
24	10.451	1415	1422	1428	rBV	189601	267772	6.80%	0.454%
25	10.510	1429	1432	1439	rVB	213680	219633	5.58%	0.372%
26	10.610	1446	1449	1453	rVB	57215	60658	1.54%	0.103%
27	10.698	1459	1464	1476	rBV2	819168	1262771	32.06%	2.139%
28	10.786	1476	1479	1486	rVB4	76438	125474	3.19%	0.213%
29	11.004	1507	1516	1519	rBV	75891	120977	3.07%	0.205%
30	11.121	1532	1536	1538	rBV4	43947	52606	1.34%	0.089%
31	11.145	1538	1540	1546	rVV3	46417	79303	2.01%	0.134%
32	11.233	1550	1555	1563	rVV3	76851	183600	4.66%	0.311%
33	11.298	1563	1566	1574	rVB	107158	162769	4.13%	0.276%
34	11.398	1579	1583	1584	rBV	670739	654179	16.61%	1.108%

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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-BF022218.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.421	1584	1587	1593	rVV	2148349	2424177	61.55%	4.107%
36	11.474	1593	1596	1604	rVV	653688	883839	22.44%	1.497%
37	11.539	1604	1607	1615	rVB	112774	130354	3.31%	0.221%
38	11.651	1621	1626	1629	rBV3	103799	160995	4.09%	0.273%
39	11.680	1629	1631	1636	rVV	82607	92687	2.35%	0.157%
40	11.733	1637	1640	1650	rVB5	47546	94069	2.39%	0.159%
41	11.815	1650	1654	1660	rVB2	34542	55571	1.41%	0.094%
42	11.904	1665	1669	1671	rBV	340939	455466	11.56%	0.772%
43	11.933	1671	1674	1679	rVB2	567342	691743	17.56%	1.172%
44	11.980	1679	1682	1684	rBV	135118	127012	3.22%	0.215%
45	12.010	1684	1687	1690	rBV	536629	616924	15.66%	1.045%
46	12.192	1715	1718	1725	rBV	220328	263989	6.70%	0.447%
47	12.245	1725	1727	1735	rVB2	74607	114189	2.90%	0.193%
48	12.345	1741	1744	1747	rBV	59589	66629	1.69%	0.113%
49	12.374	1747	1749	1752	rVV	58975	47146	1.20%	0.080%
50	12.404	1752	1754	1758	rVB2	36929	45010	1.14%	0.076%
51	12.451	1758	1762	1765	rBV2	186799	215277	5.47%	0.365%
52	12.492	1766	1769	1774	rVB3	85797	118168	3.00%	0.200%
53	12.557	1774	1780	1786	rVB3	158477	256762	6.52%	0.435%
54	12.621	1786	1791	1799	rBV	3020395	3834039	97.34%	6.496%
55	12.715	1805	1807	1813	rVB2	57352	84046	2.13%	0.142%
56	12.774	1813	1817	1823	rBV	161463	228355	5.80%	0.387%
57	12.857	1823	1831	1836	rVV2	2627928	3938843	100.00%	6.673%
58	12.898	1836	1838	1844	rVV2	170827	203263	5.16%	0.344%
59	12.980	1848	1852	1857	rVV2	1407810	1611183	40.90%	2.730%
60	13.021	1857	1859	1862	rVB	57439	62404	1.58%	0.106%
61	13.062	1862	1866	1872	rBV3	220030	376155	9.55%	0.637%
62	13.115	1872	1875	1878	rBV	61793	62918	1.60%	0.107%
63	13.180	1878	1886	1891	rVV2	559603	848780	21.55%	1.438%
64	13.245	1893	1897	1900	rVV	408252	444948	11.30%	0.754%
65	13.286	1900	1904	1910	rVV2	294416	494127	12.54%	0.837%
66	13.339	1910	1913	1916	rVB3	58594	65501	1.66%	0.111%
67	13.374	1916	1919	1922	rBV	141920	153660	3.90%	0.260%
68	13.410	1922	1925	1933	rVB3	181553	262909	6.67%	0.445%
69	13.474	1934	1936	1940	rBV3	30461	47756	1.21%	0.081%
70	13.527	1942	1945	1947	rVB	69822	56663	1.44%	0.096%
71	13.662	1965	1968	1970	rBV3	49546	66506	1.69%	0.113%

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 Sampling : 1 Min Area: 3 % of largest Peak
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 Stop Thrs : 0 Peak Location: TOP

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72	13.704	1971	1975	1981	rVB	175557	260801	6.62%	0.442%
73	13.804	1989	1992	1994	rBV2	290359	335056	8.51%	0.568%
74	13.821	1994	1995	1998	rVV	333634	313878	7.97%	0.532%
75	13.857	1998	2001	2009	rVV3	520047	795574	20.20%	1.348%
76	13.915	2009	2011	2016	rVB	241318	254680	6.47%	0.431%
77	13.974	2019	2021	2024	rBV	64179	68047	1.73%	0.115%
78	14.051	2028	2034	2038	rBV2	1959021	3257902	82.71%	5.520%
79	14.086	2038	2040	2047	rVB	1674850	1701977	43.21%	2.883%
80	14.162	2050	2053	2058	rVB	415405	425795	10.81%	0.721%
81	14.221	2060	2063	2069	rVB3	146384	179316	4.55%	0.304%
82	14.280	2069	2073	2075	rBV2	147378	216551	5.50%	0.367%
83	14.409	2093	2095	2097	rBV	81438	72050	1.83%	0.122%
84	14.451	2097	2102	2105	rBV	325113	414733	10.53%	0.703%
85	14.486	2105	2108	2111	rVB2	149097	155336	3.94%	0.263%
86	14.527	2112	2115	2117	rBV	90862	94822	2.41%	0.161%
87	14.551	2117	2119	2122	rBV2	94543	101512	2.58%	0.172%
88	14.580	2122	2124	2125	rBV	127487	99661	2.53%	0.169%
89	14.968	2186	2190	2195	rBV2	127212	228124	5.79%	0.386%
90	15.133	2213	2218	2221	rBV	1441453	2503242	63.55%	4.241%
91	15.239	2233	2236	2243	rVB	276177	360808	9.16%	0.611%
92	15.333	2249	2252	2253	rBV2	72967	86406	2.19%	0.146%
93	15.445	2266	2271	2277	rBV	700191	957111	24.30%	1.622%
94	15.515	2278	2283	2289	rVV	1110209	1633252	41.47%	2.767%
95	15.574	2289	2293	2296	rVV	333103	464205	11.79%	0.786%
96	15.603	2296	2298	2305	rVB	299279	445257	11.30%	0.754%
97	17.127	2550	2557	2565	rBV2	393232	866202	21.99%	1.468%
98	17.303	2582	2587	2593	rBV2	83935	211185	5.36%	0.358%
99	17.597	2630	2637	2651	rBV	284590	722328	18.34%	1.224%
100	17.868	2680	2683	2697	rVB2	83884	222904	5.66%	0.378%

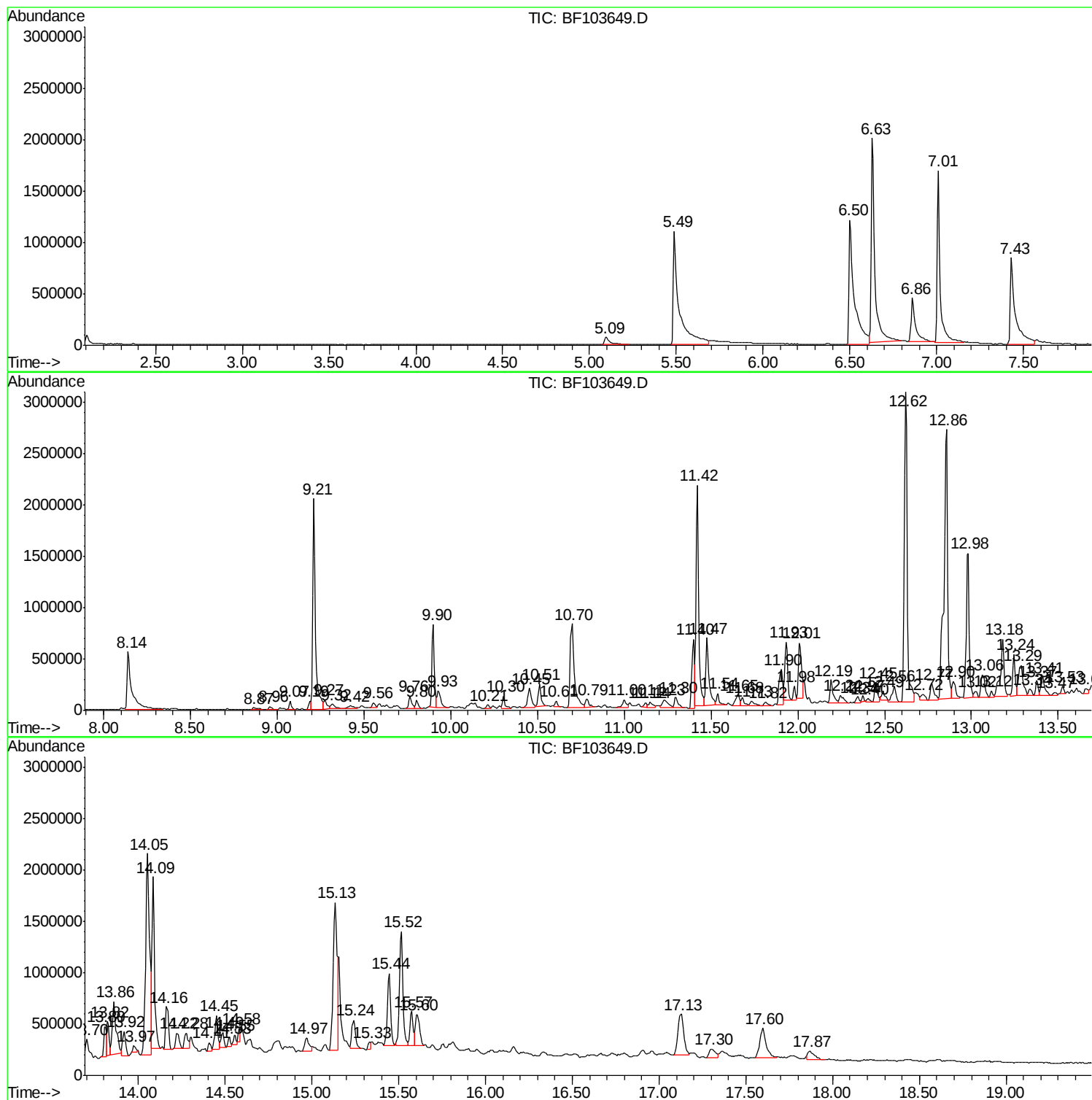
Sum of corrected areas: 59024865

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Misc :
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Instrument :
BNA_F
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TP-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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BNA_F
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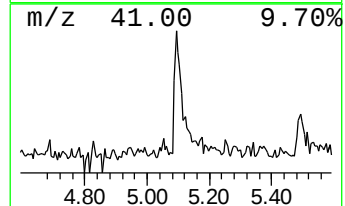
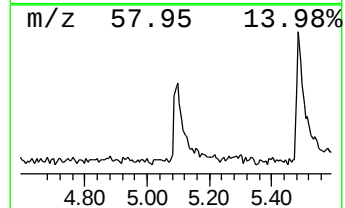
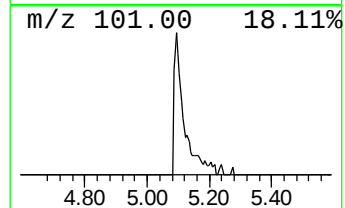
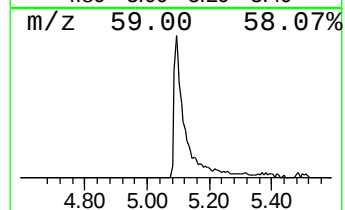
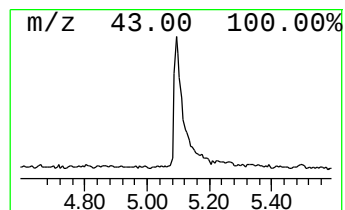
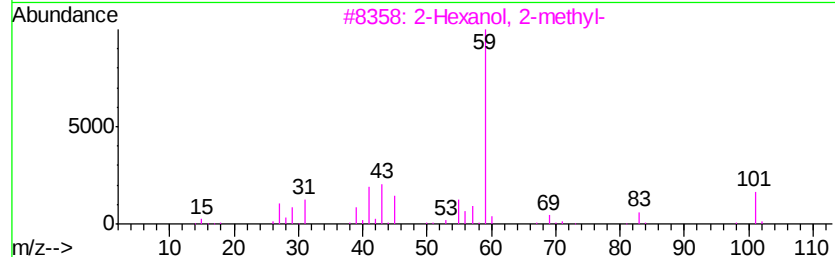
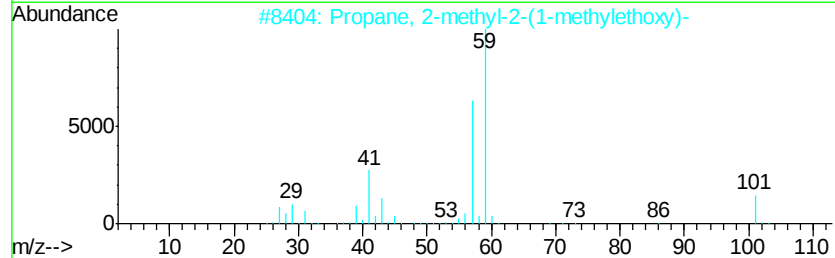
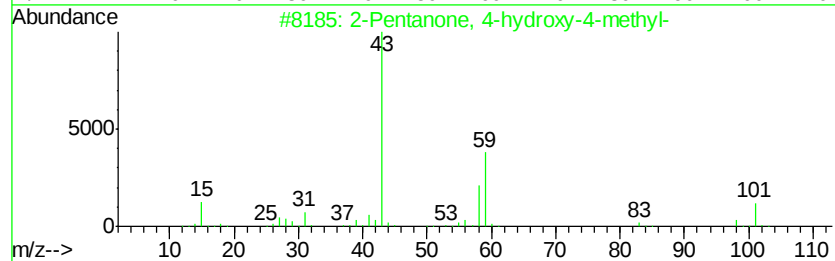
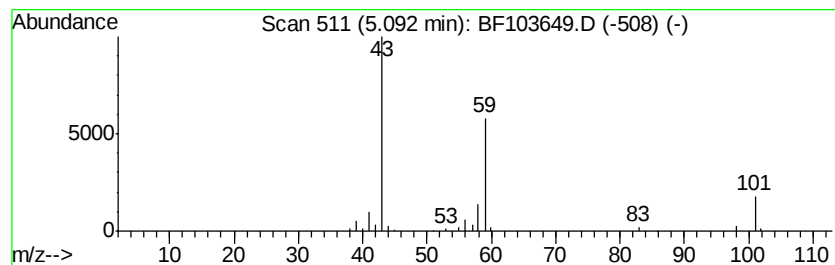
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	3.97 ng	152731	1,4-Dichlorobenzene-d4	6.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
5			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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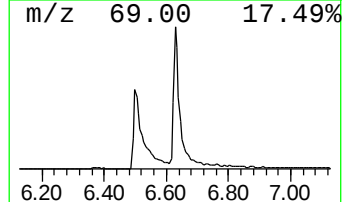
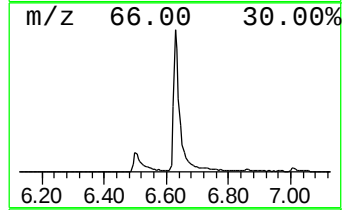
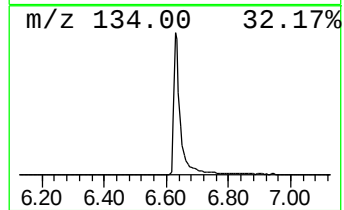
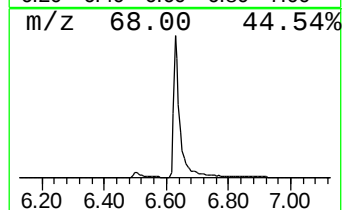
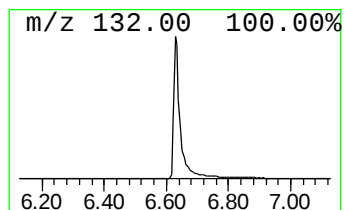
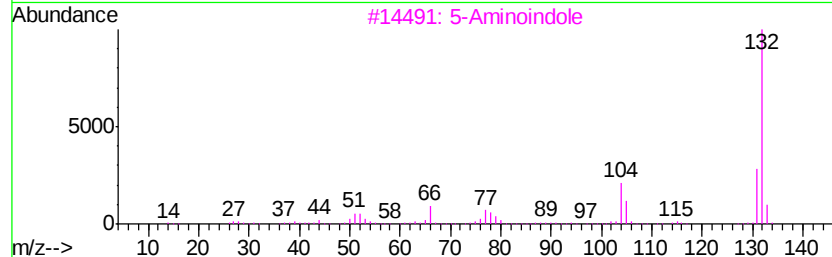
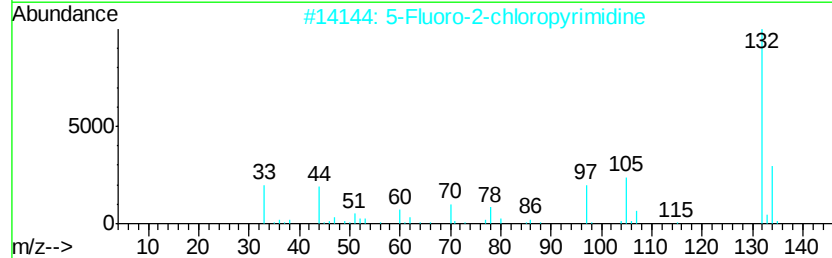
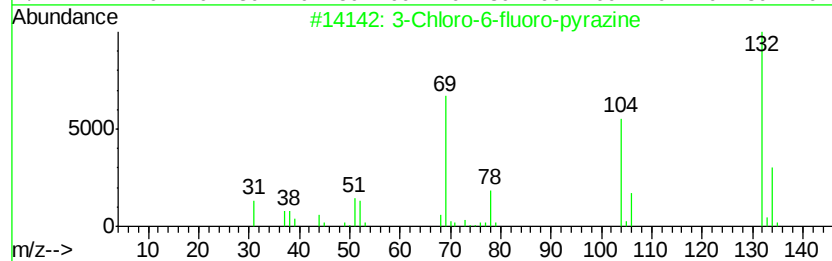
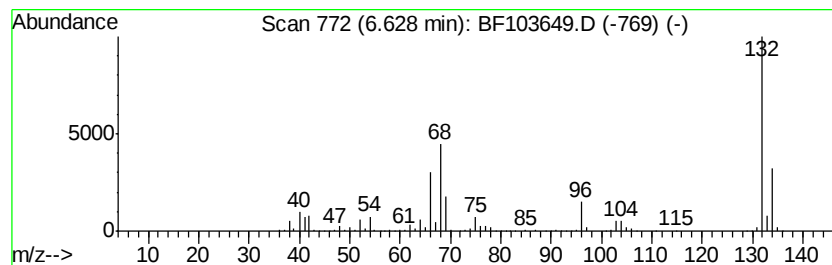
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	78.30 ng	3009780	1,4-Dichlorobenzene-d4	6.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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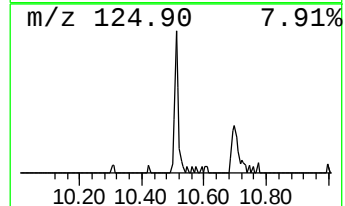
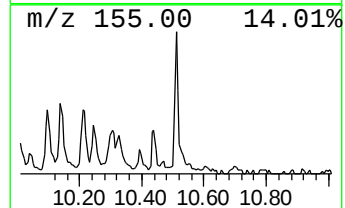
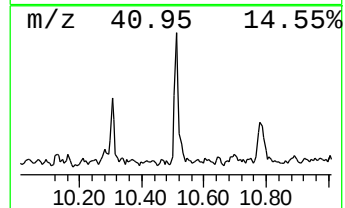
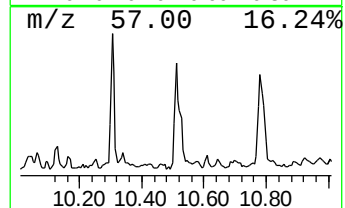
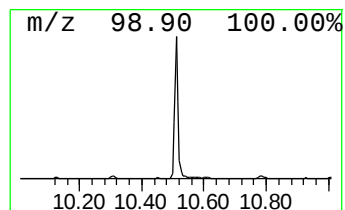
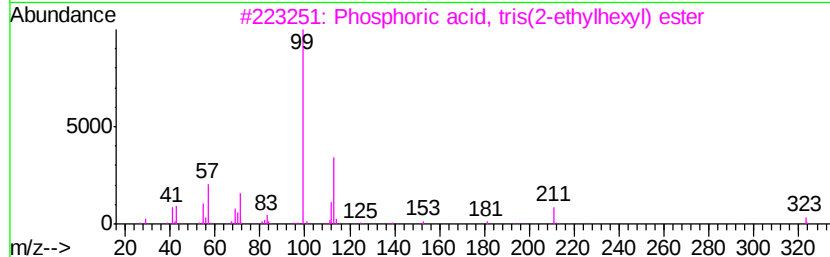
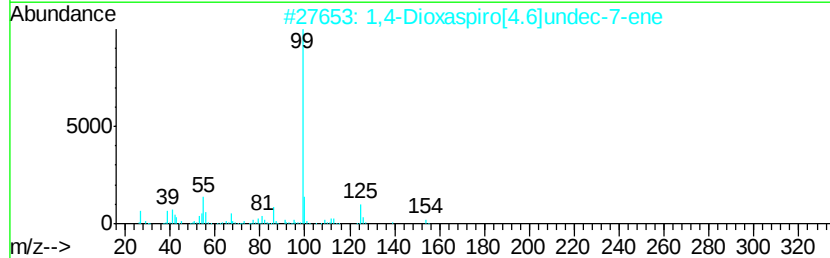
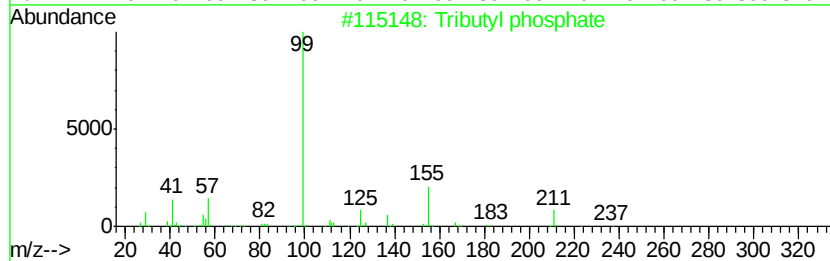
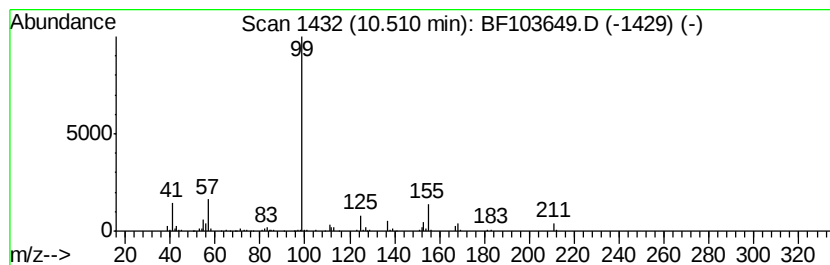
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Tributyl phosphate Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	5.32 ng	219633	Acenaphthene-d10	9.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tributyl phosphate	266	C12H27O4P	000126-73-8	86
2			1,4-Dioxaspiro[4.6]undec-7-ene	154	C9H14O2	007140-60-5	50
3			Phosphoric acid, tris(2-ethylhex...	434	C24H51O4P	000078-42-2	45
4			Tetrahydrofuran-2-one, 3-[2-pent...	168	C10H16O2	1000132-08-6	36
5			Tripropyl phosphate	224	C9H21O4P	000513-08-6	36



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031418\
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Acq On : 14 Mar 2018 19:06
Operator : SJ/JU
Sample : J1908-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

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TP-B

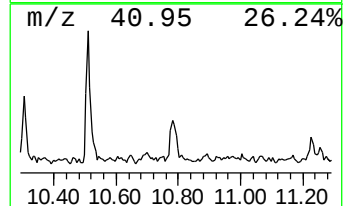
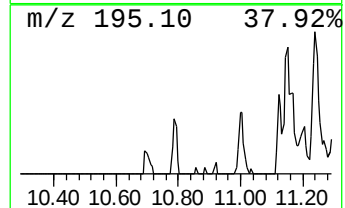
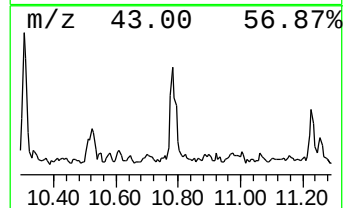
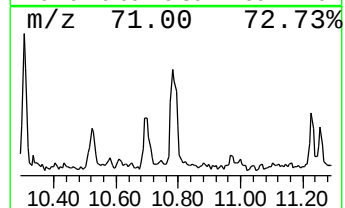
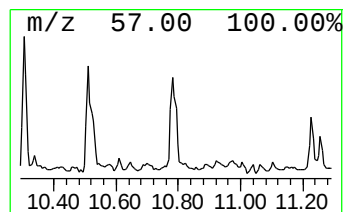
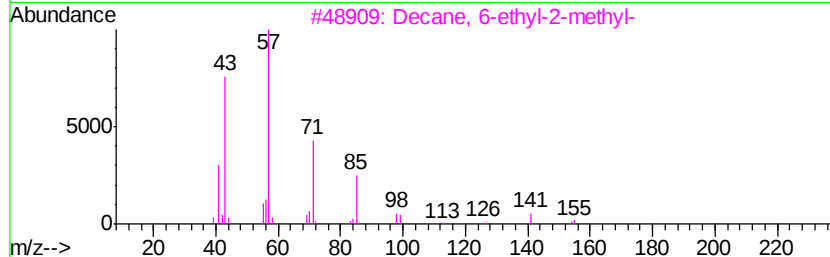
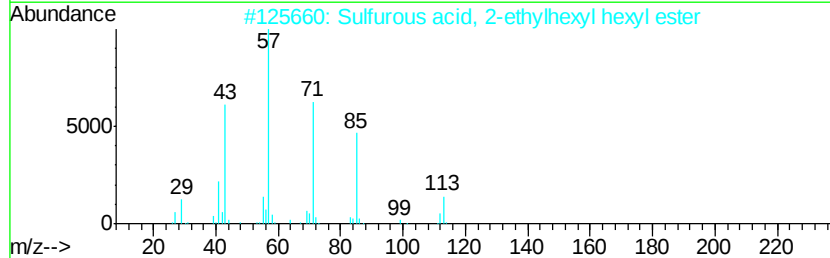
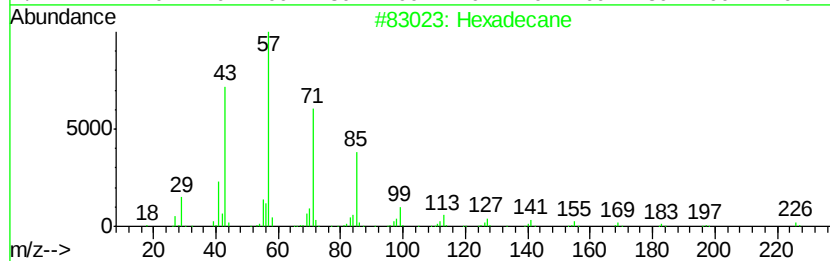
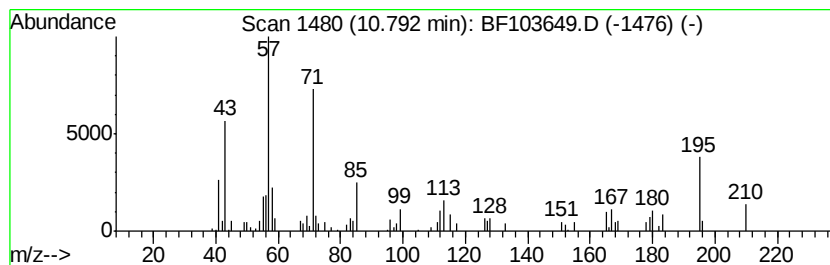
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown10.79 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	3.84 ng	125474	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	47
2		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	47
3		Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	43
4		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	43
5		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	43



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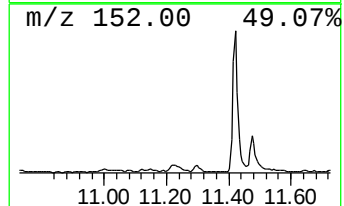
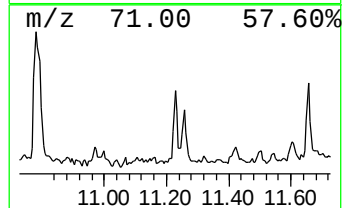
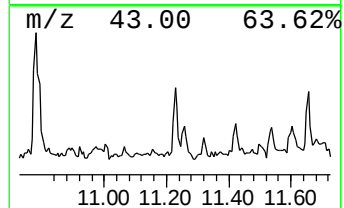
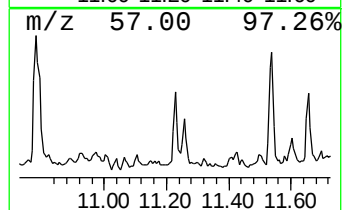
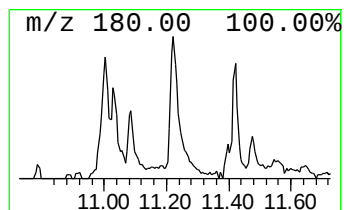
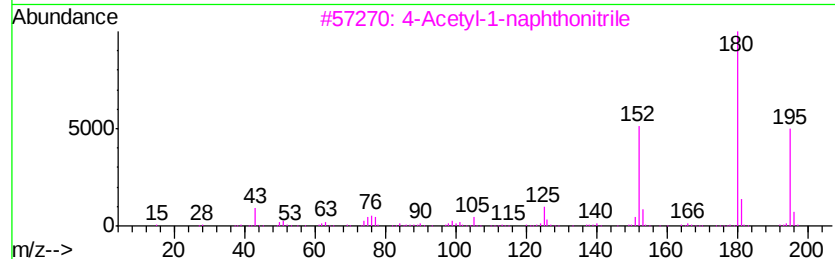
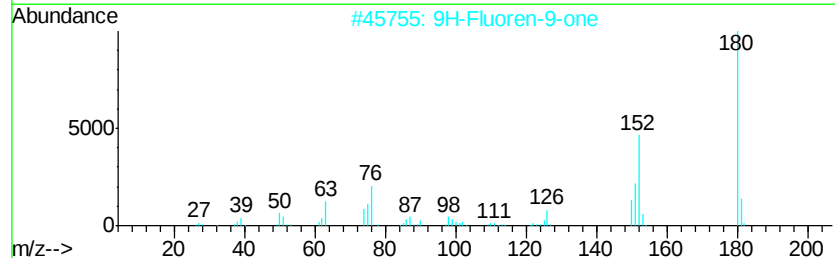
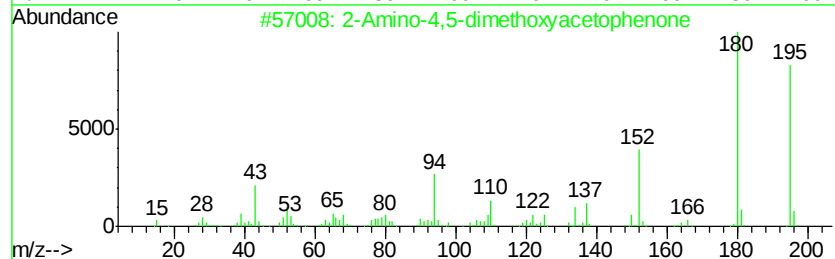
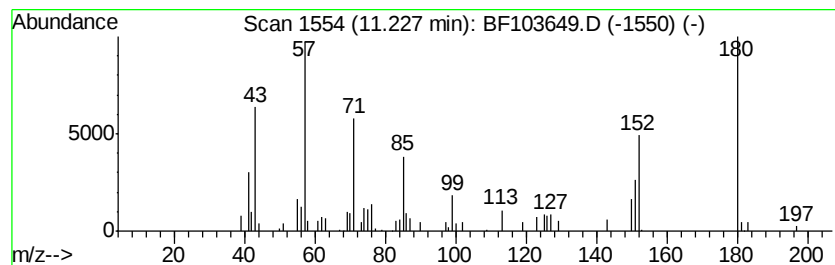
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown11.23 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	5.61 ng	183600	Phenanthrene-d10	11.40

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Amino-4,5-dimethoxyacetophenone	195	C10H13NO3	004101-30-8	43
2		9H-Fluoren-9-one	180	C13H8O	000486-25-9	41
3		4-Acetyl-1-naphthonitrile	195	C13H9NO	029139-00-2	38
4		6H-Purine-6-thione, 9-ethyl-1,9-...	180	C7H8N4S	005427-20-3	27
5		2,2'-Methylenedithiophene	180	C9H8S2	004341-34-8	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031418\
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Misc :
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ClientSampleId :
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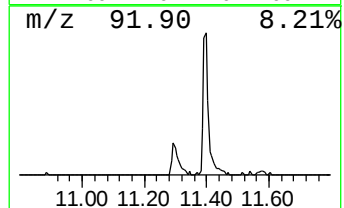
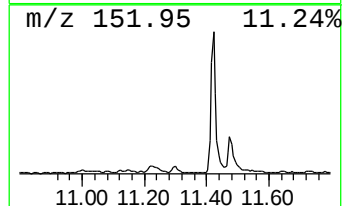
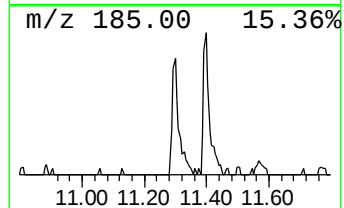
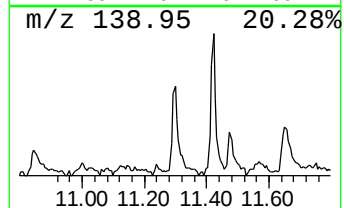
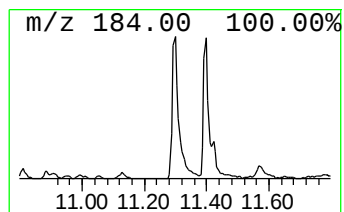
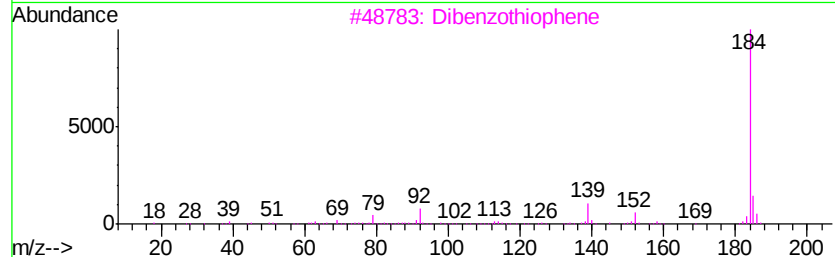
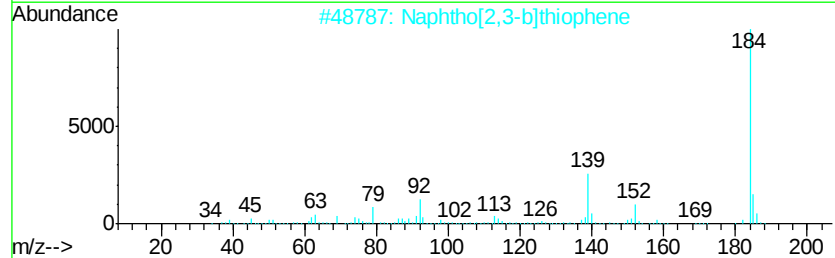
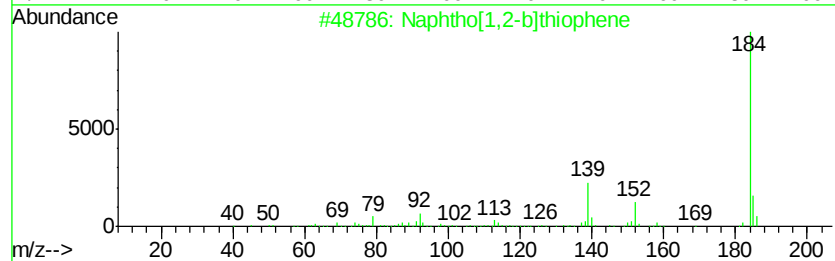
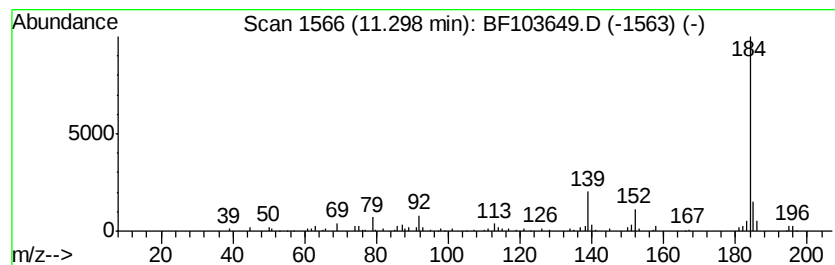
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphtho[1,2-b]thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	4.98 ng	162769	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
3		Dibenzothiophene	184	C12H8S	000132-65-0	96
4		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



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Sample : J1908-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

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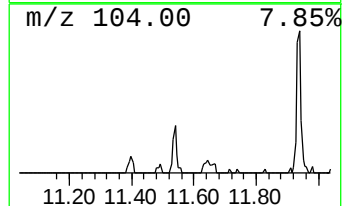
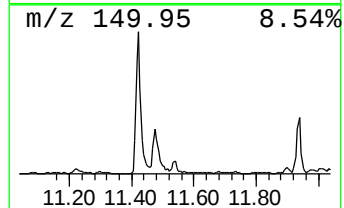
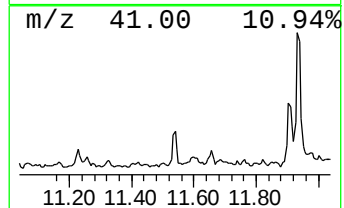
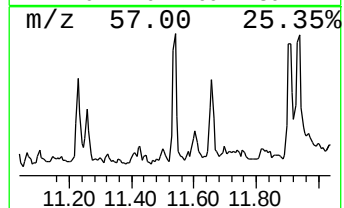
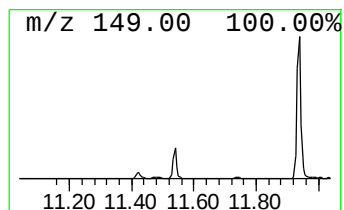
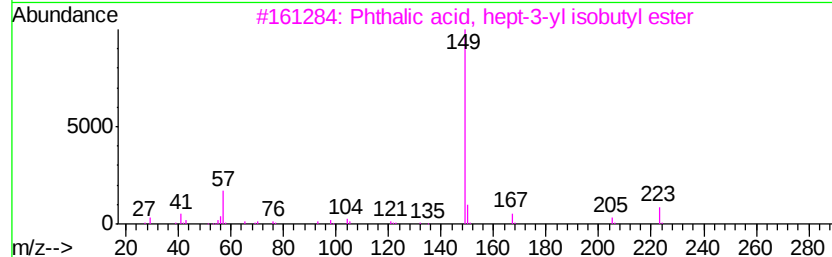
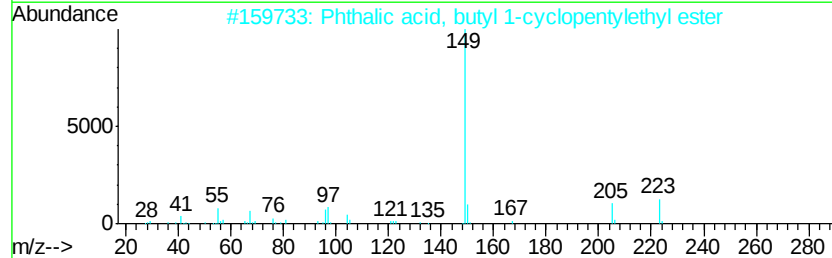
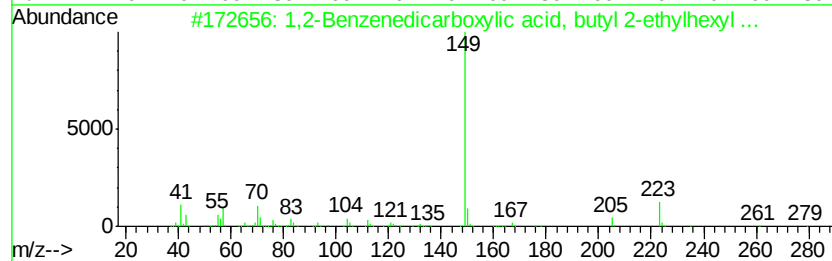
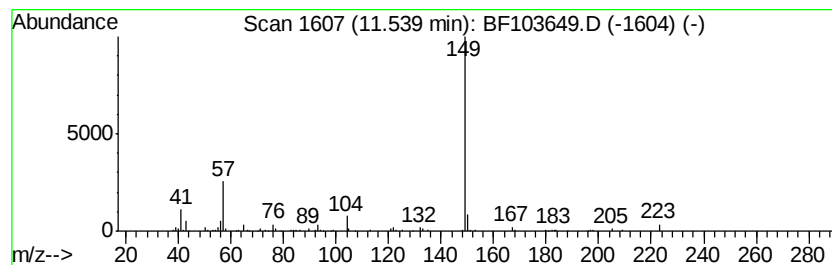
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1,2-Benzenedicarboxylic aci... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	3.99 ng	130354	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2-Benzenedicarboxylic acid, bu...	334	C20H30O4	000085-69-8	78
2		Phthalic acid, butyl 1-cyclopent...	318	C19H26O4	1000309-88-5	72
3		Phthalic acid, hept-3-yl isobutyl...	320	C19H28O4	1000356-98-6	72
4		1,2-Benzenedicarboxylic acid, bu...	362	C22H34O4	000089-19-0	72
5		Phthalic acid, 6-ethyl-3-octyl b...	362	C22H34O4	1000315-17-4	72



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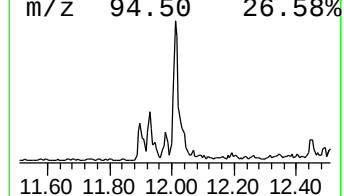
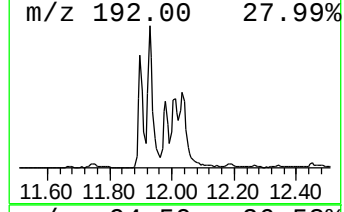
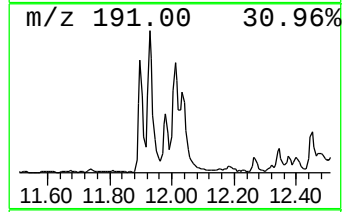
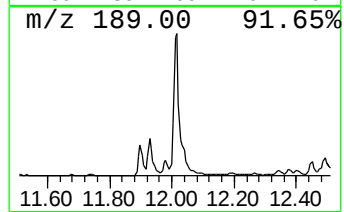
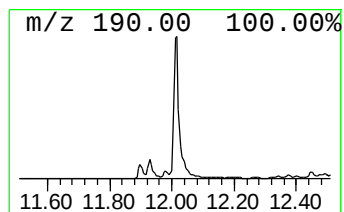
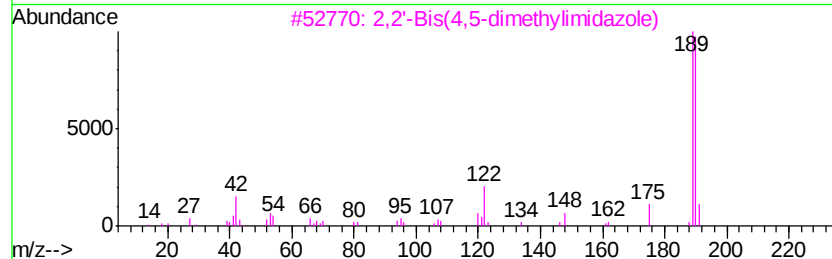
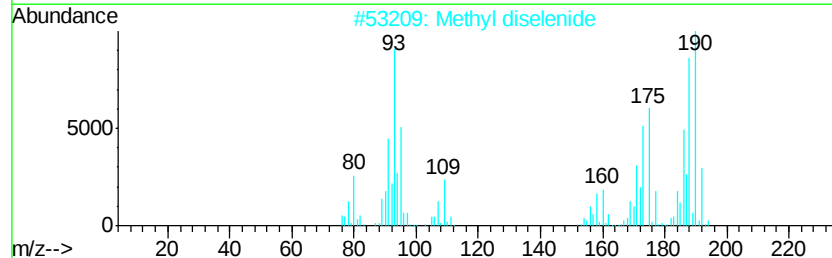
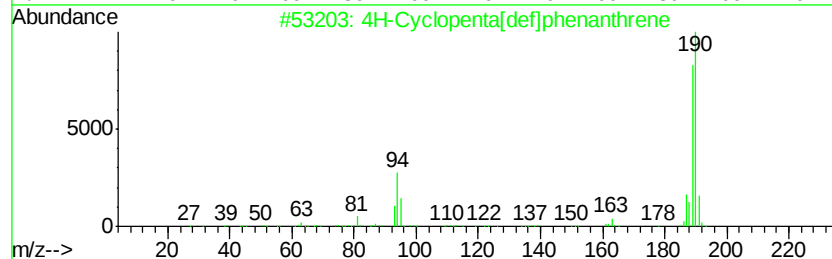
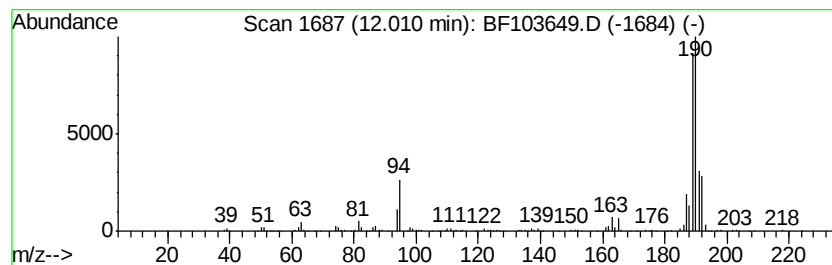
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	18.86 ng	616924	Phenanthrene-d10	11.40

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	33
4		1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25
5		2-Naphthaldehyde, 1,2,3,4-tetra...	190	C12H14O2	002472-02-8	18



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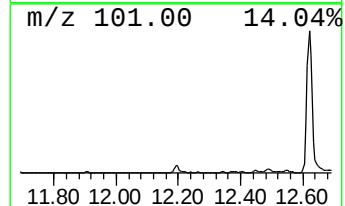
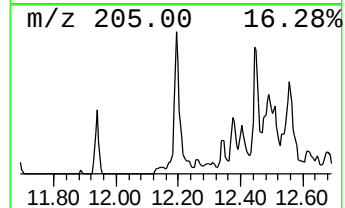
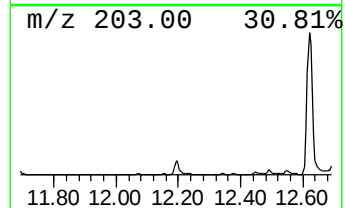
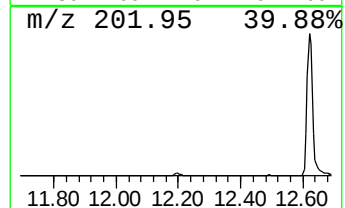
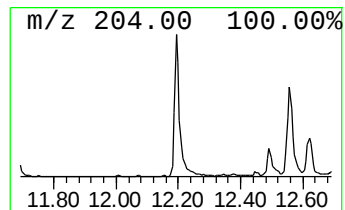
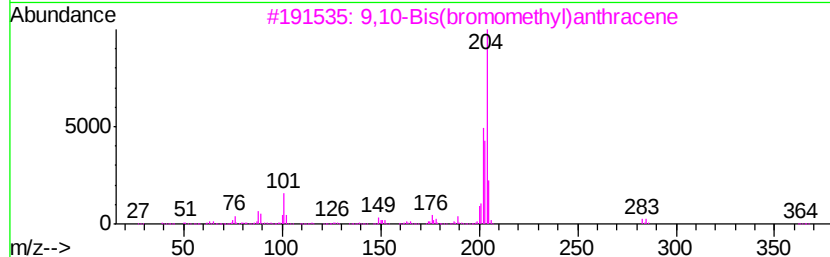
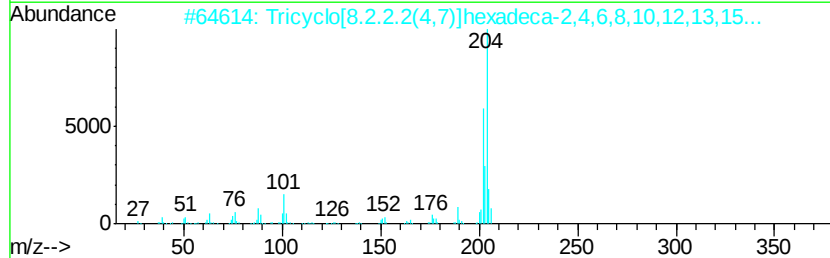
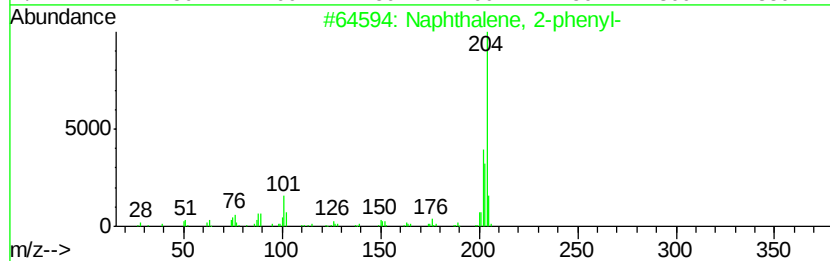
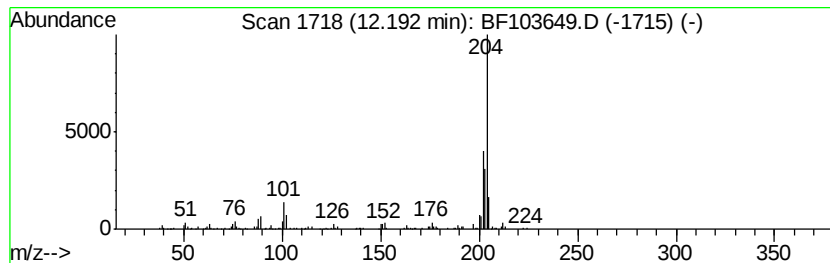
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	8.07 ng	263989	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
3		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	86
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
5		1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	49



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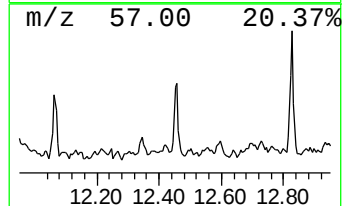
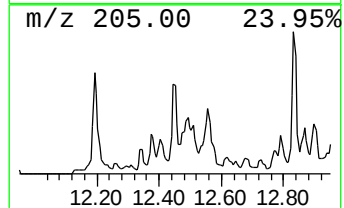
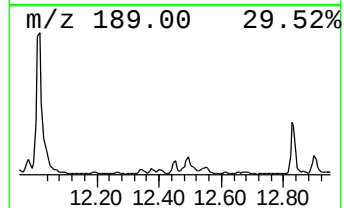
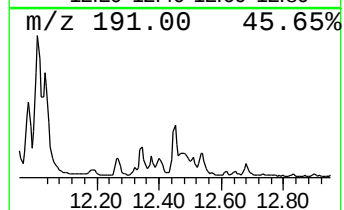
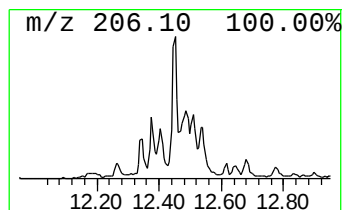
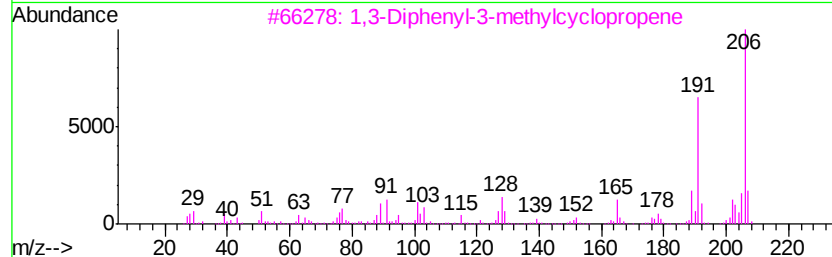
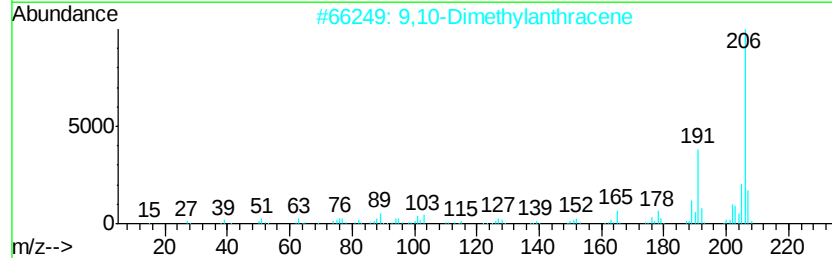
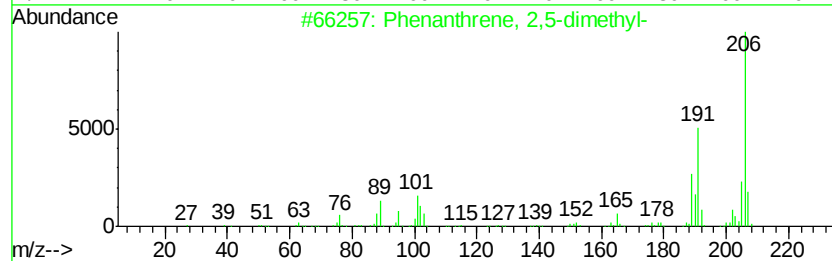
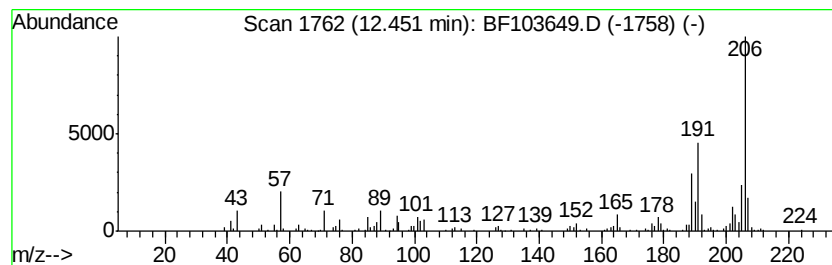
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	6.58 ng	215277	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	94
3		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	94
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF031418\
Data File : BF103649.D
Acq On : 14 Mar 2018 19:06
Operator : SJ/JU
Sample : J1908-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-B

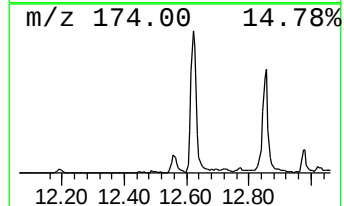
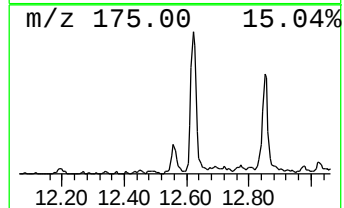
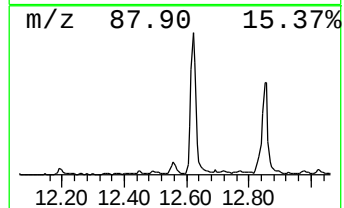
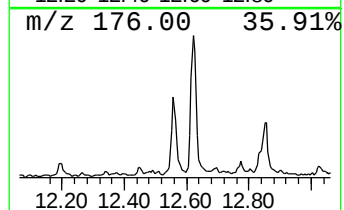
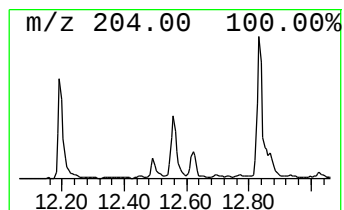
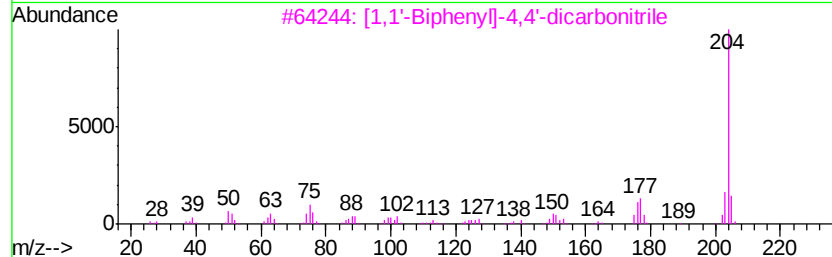
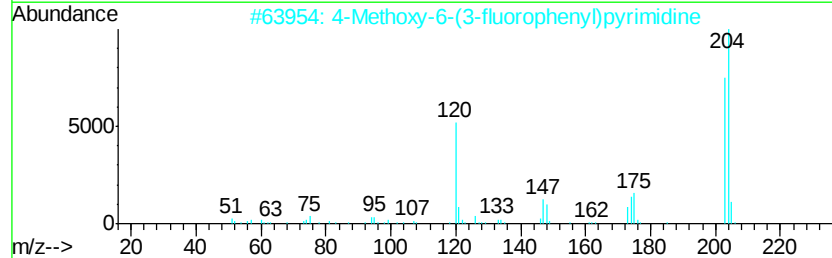
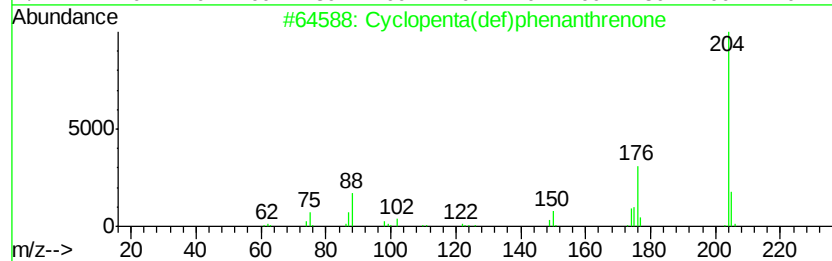
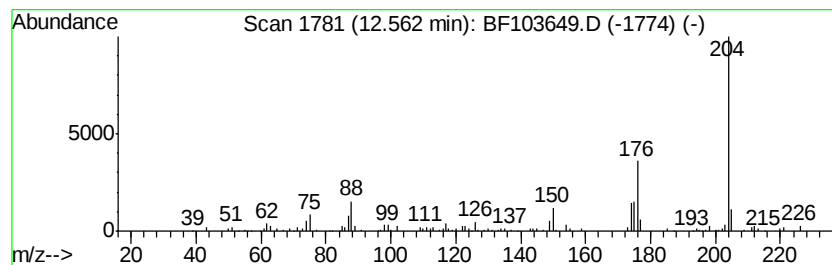
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	7.85 ng	256762	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2		4-Methoxy-6-(3-fluorophenyl)pyri...	204	C11H9FN2O	076128-74-0	49
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4		1,2-Dihydro-4-methyl-6-nitro-2-o...	204	C10H8N2O3	090771-17-8	46
5		Spiro[cyclopropane-1,8'(1H')][3a....	204	C14H20O	452049-62-6	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF031418\
Data File : BF103649.D
Acq On : 14 Mar 2018 19:06
Operator : SJ/JU
Sample : J1908-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

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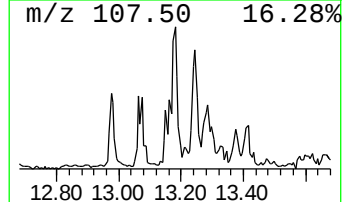
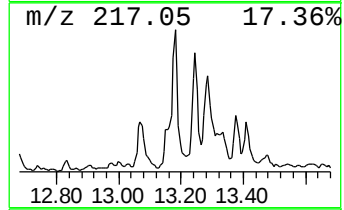
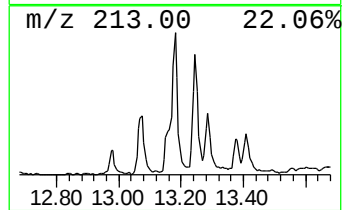
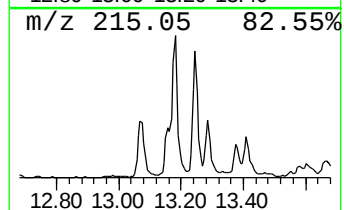
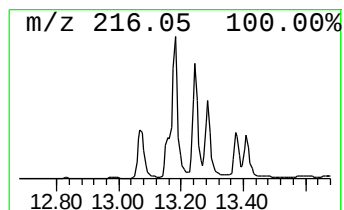
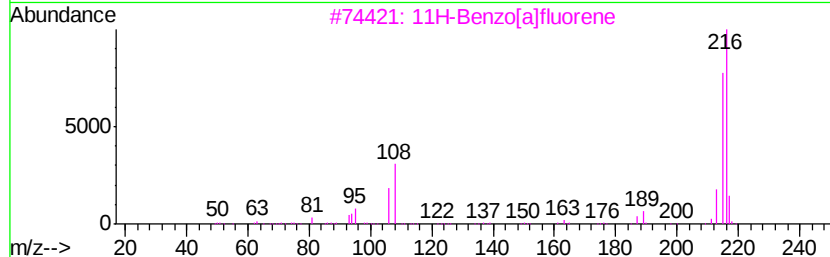
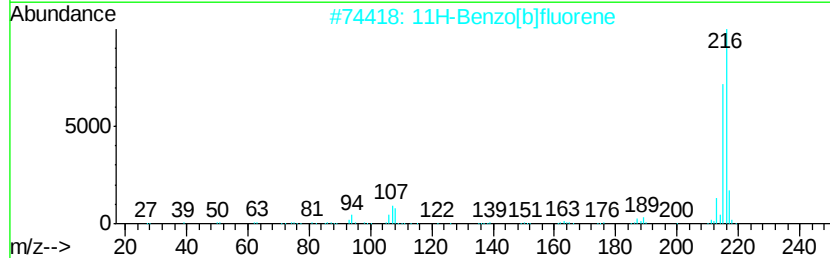
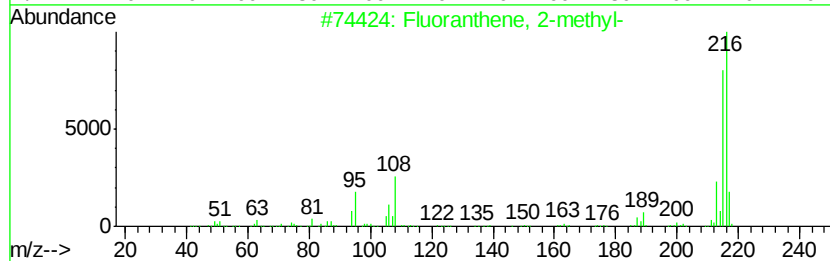
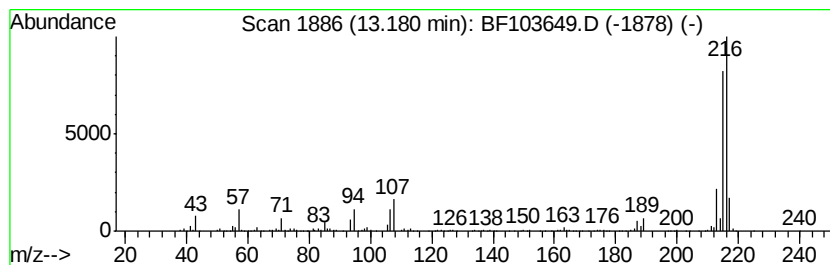
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	5.21 ng	848780	Chrysene-d12	14.06

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4			Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5			Pyrene, 2-methyl-	216	C17H12	003442-78-2	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031418\
Data File : BF103649.D
Acq On : 14 Mar 2018 19:06
Operator : SJ/JU
Sample : J1908-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

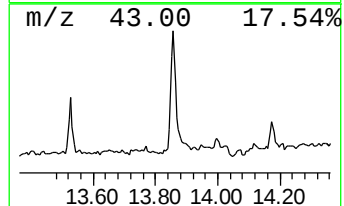
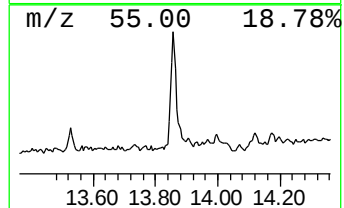
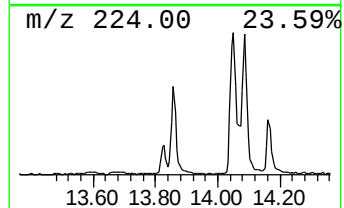
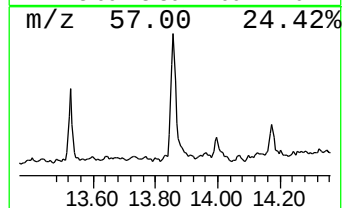
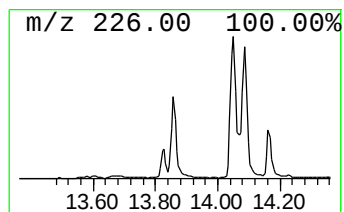
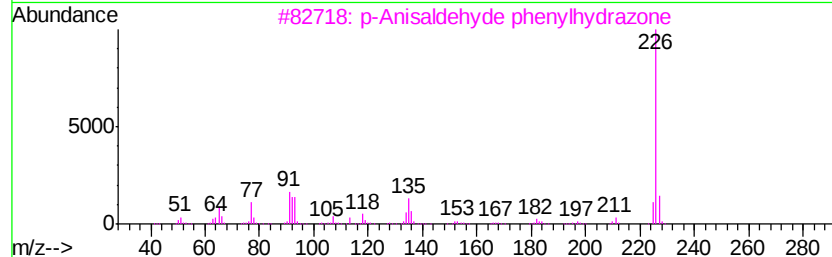
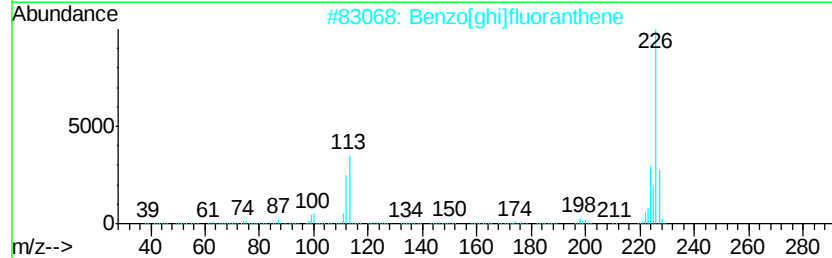
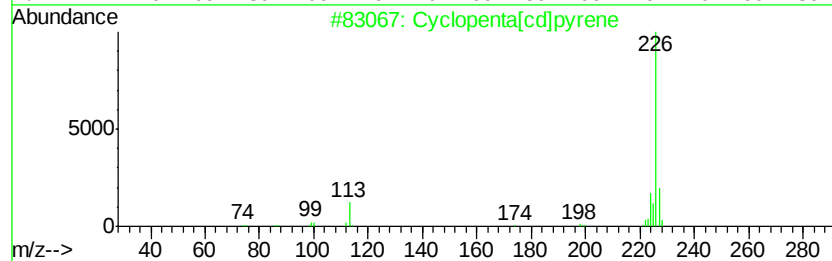
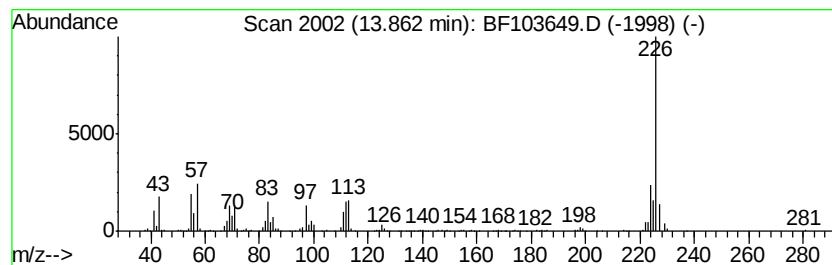
Instrument :
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ClientSampleId :
TP-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta[cd]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.86	4.88 ng	795574	Chrysene-d12	14.06		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclopenta[cd]pvrene	226	C18H10	027208-37-3	64
2		Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38
3		p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	37
4		9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	37
5		6-Bromo-.alpha.-[di-n-heptylamin...	511	C30H42BrNO	027022-39-5	23



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031418\
Data File : BF103649.D
Acq On : 14 Mar 2018 19:06
Operator : SJ/JU
Sample : J1908-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-B

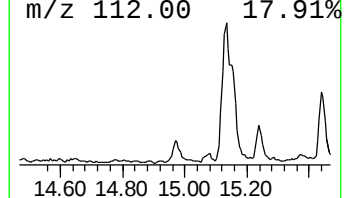
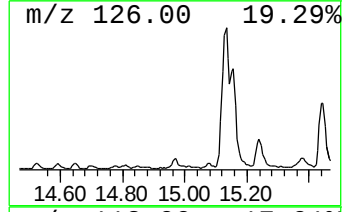
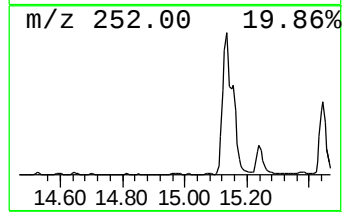
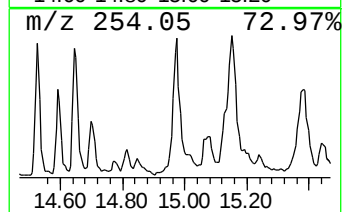
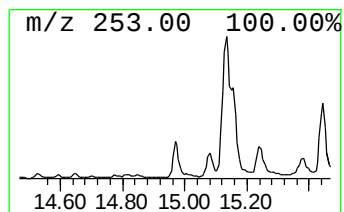
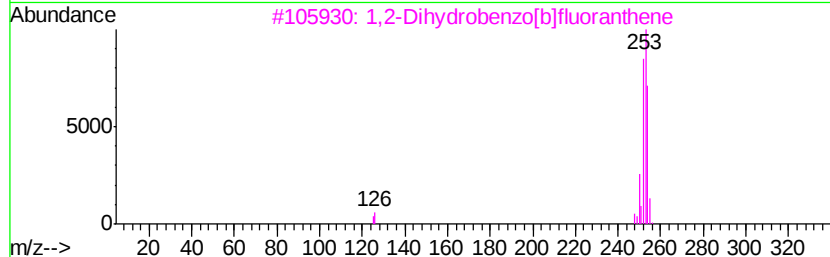
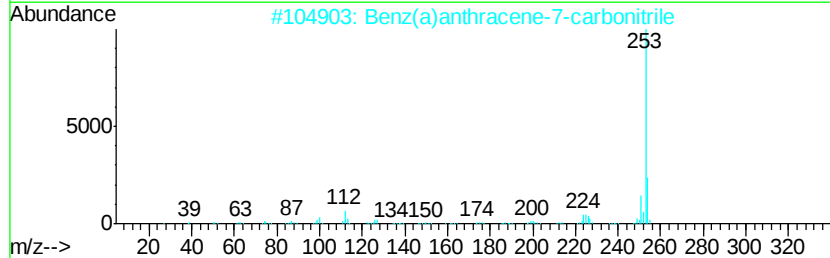
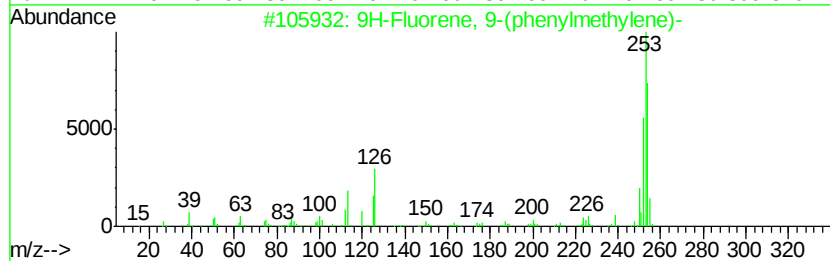
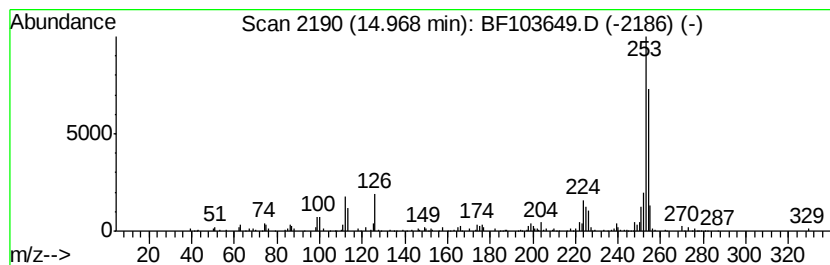
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9H-Fluorene, 9-(phenylmethy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	9.83 ng	228124	Perylene-d12	15.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 9-(phenylmethylen)-	254	C20H14	001836-87-9	81
2			Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	64
3			1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	62
4			7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	58
5			Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF031418\
Data File : BF103649.D
Acq On : 14 Mar 2018 19:06
Operator : SJ/JU
Sample : J1908-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

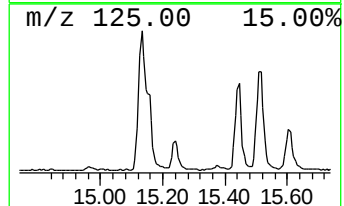
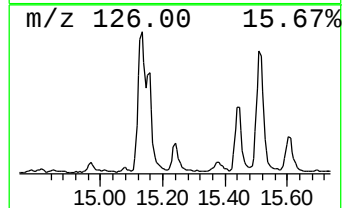
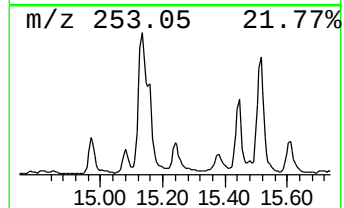
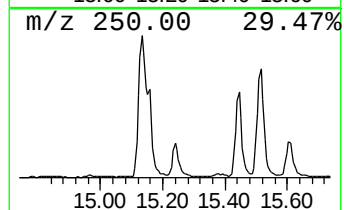
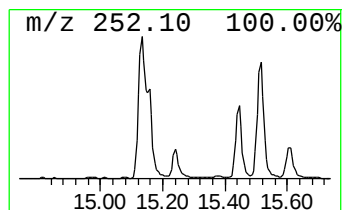
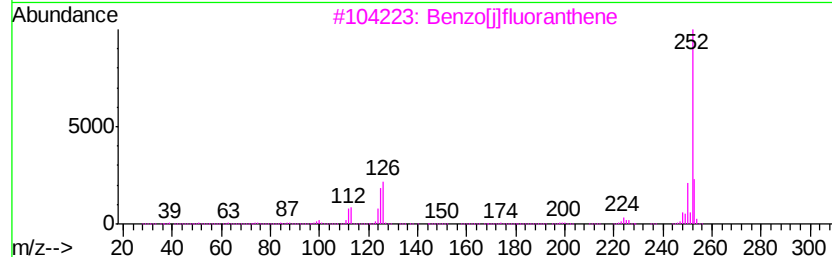
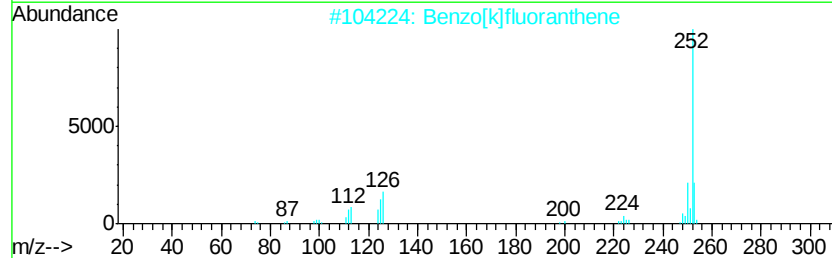
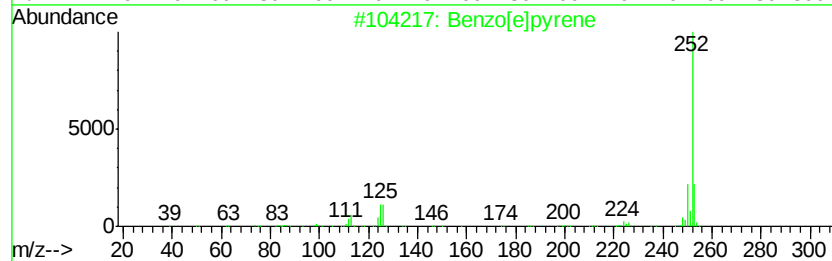
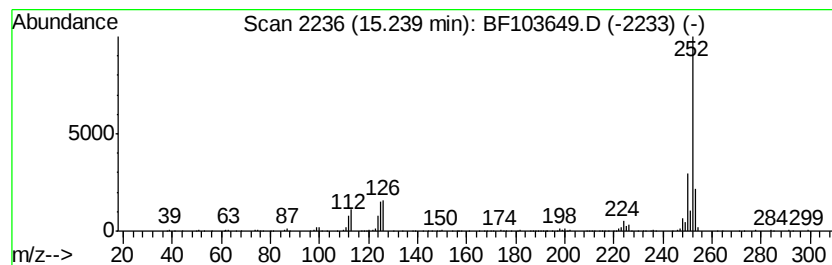
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.24	15.55 ng	360808	Perylene-d12	15.57	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[i]fluoranthene	252	C20H12	000205-82-3	98
4	Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	97
5	Benzo[a]pyrene	252	C20H12	000050-32-8	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF031418\
Data File : BF103649.D
Acq On : 14 Mar 2018 19:06
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Misc :
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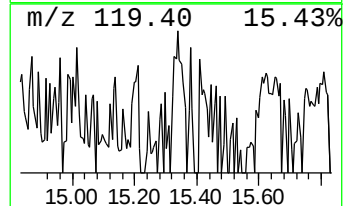
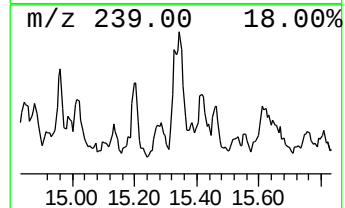
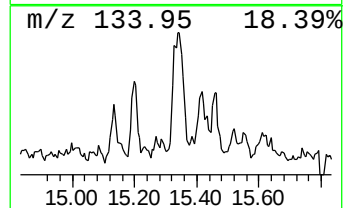
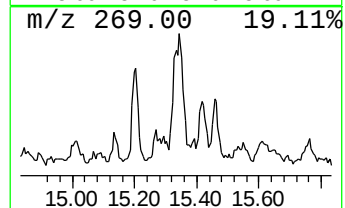
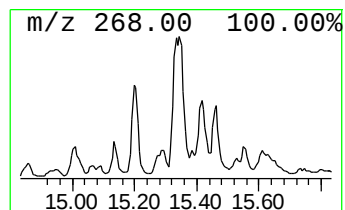
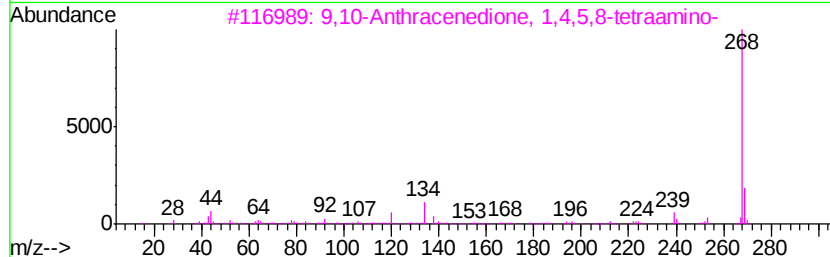
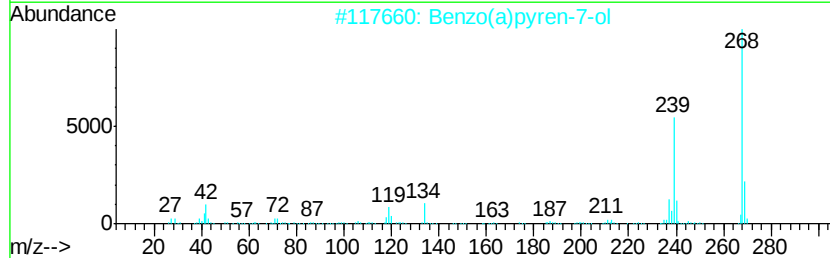
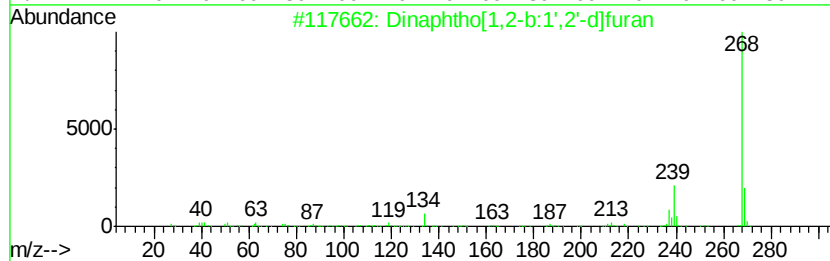
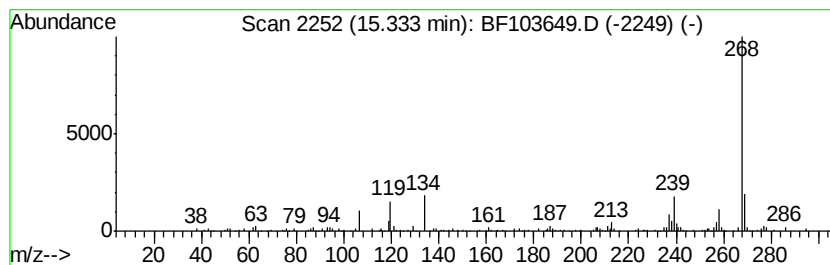
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	3.72 ng	86406	Perylene-d12	15.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	68
2		Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	58
3		9,10-Anthracenedione, 1,4,5,8-tetraamino-	268	C14H12N4O2	002475-45-8	53
4		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	52
5		10-Hydroxy-5-methoxy-2-methyl-1,4-benzodioxole	268	C16H12O4	084542-45-0	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF031418\
Data File : BF103649.D
Acq On : 14 Mar 2018 19:06
Operator : SJ/JU
Sample : J1908-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-B

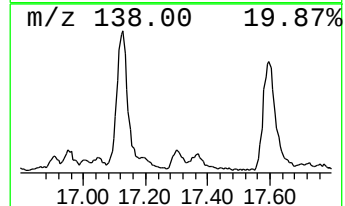
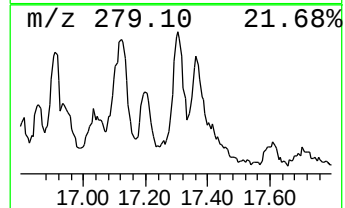
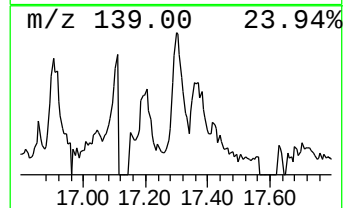
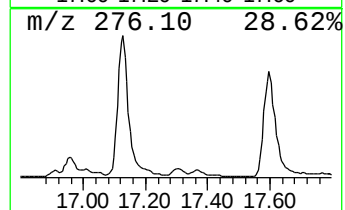
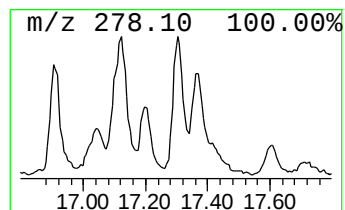
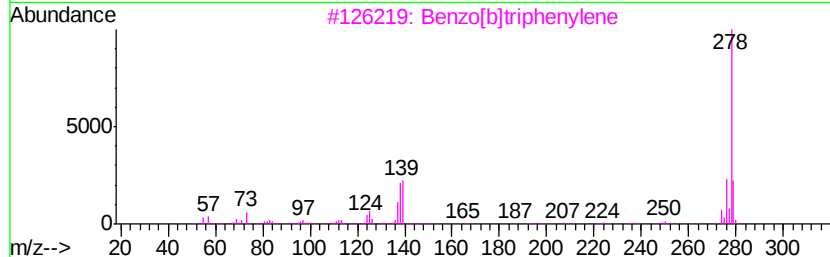
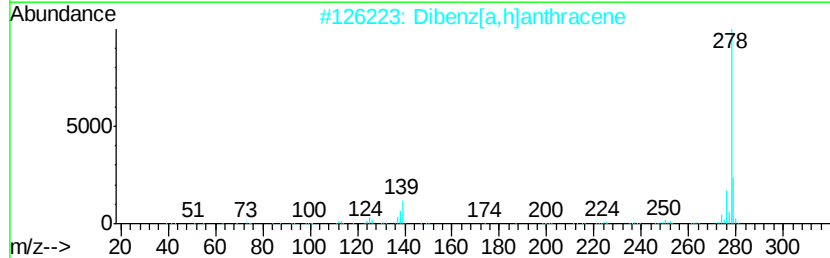
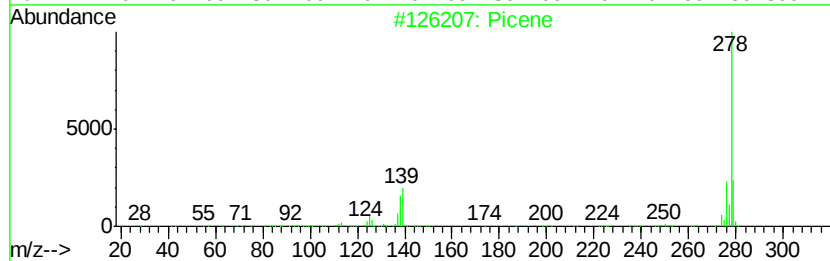
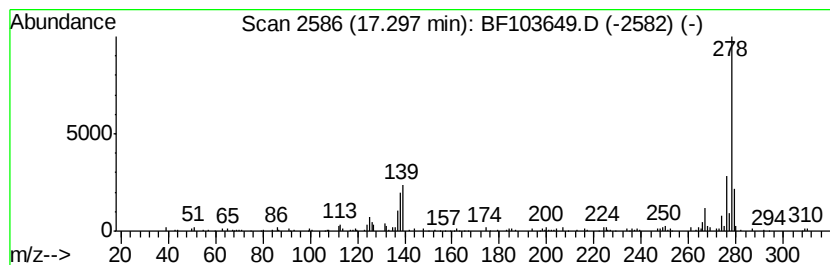
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Picene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.30	9.10 ng	211185	Perylene-d12	15.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	94
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	90
3		Benzo[b]triphenylene	278	C22H14	000215-58-7	89
4		Benzo[b]chrysene	278	C22H14	000214-17-5	89
5		Pentaphene	278	C22H14	000222-93-5	89



Data Path : Z:\HPCHEM1\BNA F\DATA\BF031418\
Data File : BF103649.D
Acq On : 14 Mar 2018 19:06
Operator : SJ/JU
Sample : J1908-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-B

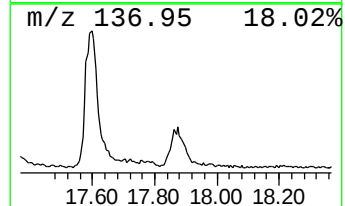
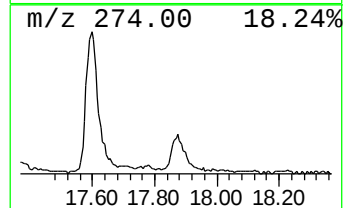
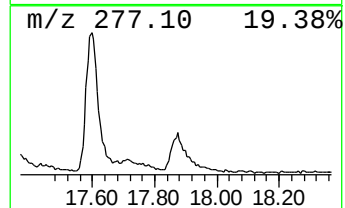
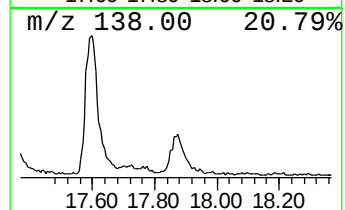
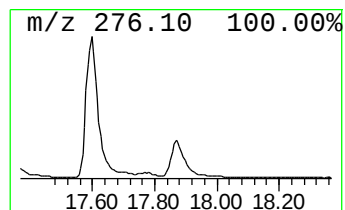
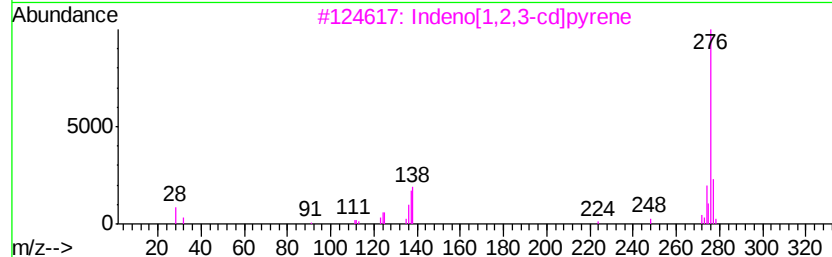
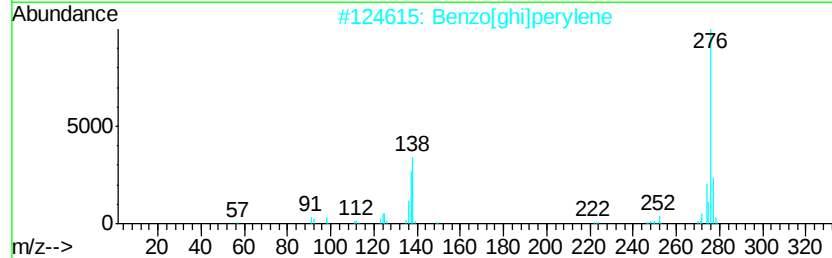
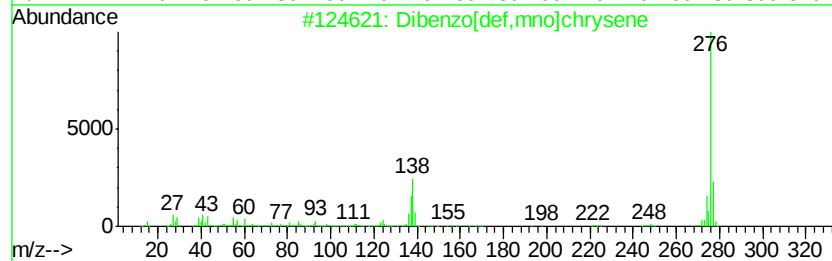
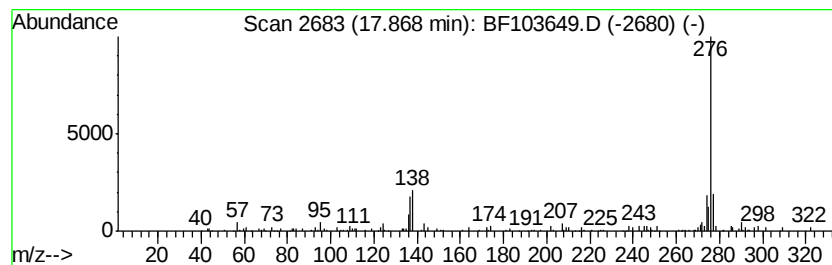
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	9.60 ng	222904	Perylene-d12	15.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	87
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	87
4		6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	58
5		Naphthalen-1-yl-(3-nitro-benzyl)...	276	C17H12N2O2	200421-53-0	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031418\
 Data File : BF103649.D
 Acq On : 14 Mar 2018 19:06
 Operator : SJ/JU
 Sample : J1908-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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
2-Pentanone, 4-hy...	5.09	4.0	ng	152731	1	6.86	768816	20.0
unknown6.63	6.63	78.3	ng	3009780	1	6.86	768816	20.0
Tributyl phosphate	10.51	5.3	ng	219633	3	9.90	825416	20.0
unknown10.79	10.79	3.8	ng	125474	4	11.40	654179	20.0
unknown11.23	11.23	5.6	ng	183600	4	11.40	654179	20.0
Naphtho[1,2-b]thi...	11.30	5.0	ng	162769	4	11.40	654179	20.0
1,2-Benzenedicarb...	11.54	4.0	ng	130354	4	11.40	654179	20.0
4H-Cyclopenta[def...	12.01	18.9	ng	616924	4	11.40	654179	20.0
Naphthalene, 2-ph...	12.19	8.1	ng	263989	4	11.40	654179	20.0
Phenanthrene, 2,5...	12.45	6.6	ng	215277	4	11.40	654179	20.0
Cyclopenta(def)ph...	12.56	7.8	ng	256762	4	11.40	654179	20.0
Fluoranthene, 2-m...	13.18	5.2	ng	848780	5	14.06	3257900	20.0
Cyclopenta[cd]pyrene	13.86	4.9	ng	795574	5	14.06	3257900	20.0
9H-Fluorene, 9-(p...	14.97	9.8	ng	228124	6	15.57	464205	20.0
Benzo[e]pyrene	15.24	15.6	ng	360808	6	15.57	464205	20.0
Dinaphtho[1,2-b:1...	15.33	3.7	ng	86406	6	15.57	464205	20.0
Picene	17.30	9.1	ng	211185	6	15.57	464205	20.0
Dibenzo[def,mno]c...	17.87	9.6	ng	222904	6	15.57	464205	20.0