

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
 Data File : BF118452.D
 Acq On : 2 Jan 2020 23:02
 Operator : JU
 Sample : K6464-02 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-(8-10)

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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	5.039	498	502	511	rBV	42615	52989	2.88%	0.250%
2	5.463	571	574	588	rBV	257384	314582	17.10%	1.484%
3	6.481	744	747	759	rBV	278259	359466	19.54%	1.696%
4	6.616	767	770	783	rVB	446254	404038	21.97%	1.906%
5	6.845	806	809	817	rBV	520511	433027	23.54%	2.043%
6	6.998	832	835	845	rBV	329824	302454	16.45%	1.427%
7	7.410	902	905	922	rBV	201169	223954	12.18%	1.057%
8	7.975	996	1001	1006	rBV	28891	40411	2.20%	0.191%
9	8.133	1024	1028	1030	rBV	690276	563568	30.64%	2.659%
10	8.151	1030	1031	1039	rVB	228772	208396	11.33%	0.983%
11	8.851	1147	1150	1156	rBV	108900	99994	5.44%	0.472%
12	8.951	1162	1167	1175	rVB	76864	77401	4.21%	0.365%
13	9.210	1207	1211	1221	rBV	500661	428636	23.31%	2.022%
14	9.480	1253	1257	1261	rBV	36759	47589	2.59%	0.225%
15	9.551	1265	1269	1272	rBV2	64359	66141	3.60%	0.312%
16	9.669	1285	1289	1295	rBV2	31274	38955	2.12%	0.184%
17	9.892	1324	1327	1330	rVV	769187	617167	33.56%	2.912%
18	9.927	1330	1333	1339	rVB	265442	226368	12.31%	1.068%
19	10.098	1359	1362	1366	rVV	188433	183115	9.96%	0.864%
20	10.139	1366	1369	1374	rVB	33201	35890	1.95%	0.169%
21	10.445	1416	1421	1426	rBV	217469	207762	11.30%	0.980%
22	10.604	1445	1448	1453	rVB	88920	81114	4.41%	0.383%
23	10.692	1459	1463	1468	rBV2	352910	406294	22.09%	1.917%
24	10.804	1481	1482	1489	rVB5	26181	32406	1.76%	0.153%
25	10.998	1508	1515	1517	rBV5	54257	93991	5.11%	0.443%
26	11.121	1531	1536	1538	rBV3	49807	64733	3.52%	0.305%
27	11.145	1538	1540	1546	rVV2	56534	67960	3.70%	0.321%
28	11.198	1546	1549	1552	rVV	135009	117660	6.40%	0.555%
29	11.239	1552	1556	1559	rVV3	84125	111035	6.04%	0.524%
30	11.286	1559	1564	1568	rVB	128778	137051	7.45%	0.647%
31	11.386	1577	1581	1583	rBV	720422	701684	38.15%	3.311%
32	11.416	1583	1586	1589	rVV	2229362	1839181	100.00%	8.678%
33	11.463	1589	1594	1597	rVV	269102	288885	15.71%	1.363%
34	11.498	1597	1600	1606	rVB3	58762	89350	4.86%	0.422%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.621	1617	1621	1626	rBV2	134006	180066	9.79%	0.850%
36	11.680	1627	1631	1633	rVV2	40139	51978	2.83%	0.245%
37	11.733	1636	1640	1643	rVB4	32481	43632	2.37%	0.206%
38	11.892	1663	1667	1669	rBV	209836	189871	10.32%	0.896%
39	11.921	1669	1672	1676	rVV	294809	265256	14.42%	1.252%
40	11.968	1676	1680	1683	rVV	90885	82487	4.48%	0.389%
41	12.004	1683	1686	1689	rVV	225474	275582	14.98%	1.300%
42	12.027	1689	1690	1695	rVB	150094	105199	5.72%	0.496%
43	12.074	1695	1698	1701	rBV2	55350	53718	2.92%	0.253%
44	12.186	1714	1717	1720	rBV	144798	116534	6.34%	0.550%
45	12.221	1720	1723	1728	rBV	99924	104629	5.69%	0.494%
46	12.333	1738	1742	1746	rBV4	55105	81658	4.44%	0.385%
47	12.368	1746	1748	1750	rVV2	41754	35264	1.92%	0.166%
48	12.445	1758	1761	1763	rVV	85853	83452	4.54%	0.394%
49	12.468	1763	1765	1766	rVV	63206	53469	2.91%	0.252%
50	12.504	1769	1771	1773	rVV2	41250	31172	1.69%	0.147%
51	12.539	1773	1777	1781	rVB2	73600	91331	4.97%	0.431%
52	12.610	1785	1789	1792	rBV	1532615	1267887	68.94%	5.982%
53	12.639	1792	1794	1798	rVV2	202272	191620	10.42%	0.904%
54	12.763	1810	1815	1817	rBV3	53966	69489	3.78%	0.328%
55	12.839	1822	1828	1834	rBV2	1163283	1286087	69.93%	6.068%
56	12.886	1834	1836	1840	rVB2	77227	86475	4.70%	0.408%
57	12.974	1845	1851	1854	rBV2	500752	489493	26.61%	2.310%
58	13.004	1854	1856	1861	rVB	55171	52214	2.84%	0.246%
59	13.063	1861	1866	1869	rBV3	79359	143783	7.82%	0.678%
60	13.168	1876	1884	1887	rBV3	132469	229915	12.50%	1.085%
61	13.198	1887	1889	1893	rBV3	35597	36645	1.99%	0.173%
62	13.239	1893	1896	1898	rVV2	52768	56785	3.09%	0.268%
63	13.274	1898	1902	1905	rVV2	116548	145991	7.94%	0.689%
64	13.368	1915	1918	1920	rVB	69305	60906	3.31%	0.287%
65	13.398	1920	1923	1929	rBV2	89521	110206	5.99%	0.520%
66	13.545	1945	1948	1951	rBV3	42393	50878	2.77%	0.240%
67	13.598	1954	1957	1959	rVB	32759	31165	1.69%	0.147%
68	13.657	1964	1967	1969	rVV3	37679	39825	2.17%	0.188%
69	13.686	1969	1972	1977	rVB	127091	123263	6.70%	0.582%
70	13.792	1986	1990	1992	rBV	116719	118157	6.42%	0.557%
71	13.815	1992	1994	1997	rVV	111897	94773	5.15%	0.447%

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72	13.845	1997	1999	2001	rVV	76331	87637	4.77%	0.413%
73	13.892	2005	2007	2015	rVB	136079	149198	8.11%	0.704%
74	13.962	2015	2019	2020	rBV	26552	37686	2.05%	0.178%
75	14.045	2025	2033	2035	rBV2	835929	1209972	65.79%	5.709%
76	14.068	2035	2037	2040	rVB	482940	418281	22.74%	1.974%
77	14.186	2054	2057	2059	rBV3	31541	35859	1.95%	0.169%
78	14.280	2068	2073	2076	rBV3	49473	69283	3.77%	0.327%
79	14.398	2090	2093	2094	rVV2	40477	39757	2.16%	0.188%
80	14.433	2096	2099	2102	rVV	139157	143936	7.83%	0.679%
81	14.462	2102	2104	2107	rVV	66243	67949	3.69%	0.321%
82	14.492	2107	2109	2114	rVV5	58966	102765	5.59%	0.485%
83	14.557	2118	2120	2122	rVV	44415	38731	2.11%	0.183%
84	14.580	2122	2124	2127	rVB2	36731	32915	1.79%	0.155%
85	14.757	2151	2154	2159	rBV3	44975	78832	4.29%	0.372%
86	14.798	2159	2161	2164	rVB	60832	53995	2.94%	0.255%
87	14.933	2182	2184	2187	rBV3	47756	49108	2.67%	0.232%
88	15.098	2207	2212	2222	rBV	403871	820199	44.60%	3.870%
89	15.209	2228	2231	2235	rVB	62776	73580	4.00%	0.347%
90	15.298	2242	2246	2252	rBV3	43202	114527	6.23%	0.540%
91	15.404	2260	2264	2271	rVB	219032	279055	15.17%	1.317%
92	15.468	2271	2275	2280	rVV	313039	372165	20.24%	1.756%
93	15.533	2280	2286	2290	rVV	504079	695322	37.81%	3.281%
94	15.562	2290	2291	2298	rVB2	85232	100626	5.47%	0.475%
95	15.962	2354	2359	2366	rBV5	53624	112271	6.10%	0.530%
96	17.039	2536	2542	2551	rBV3	97588	222506	12.10%	1.050%
97	17.215	2568	2572	2578	rBV2	22725	44853	2.44%	0.212%
98	17.274	2580	2582	2589	rVB4	24722	38549	2.10%	0.182%
99	17.497	2615	2620	2631	rVB2	67800	157488	8.56%	0.743%
100	17.762	2659	2665	2668	rBV5	22697	53391	2.90%	0.252%

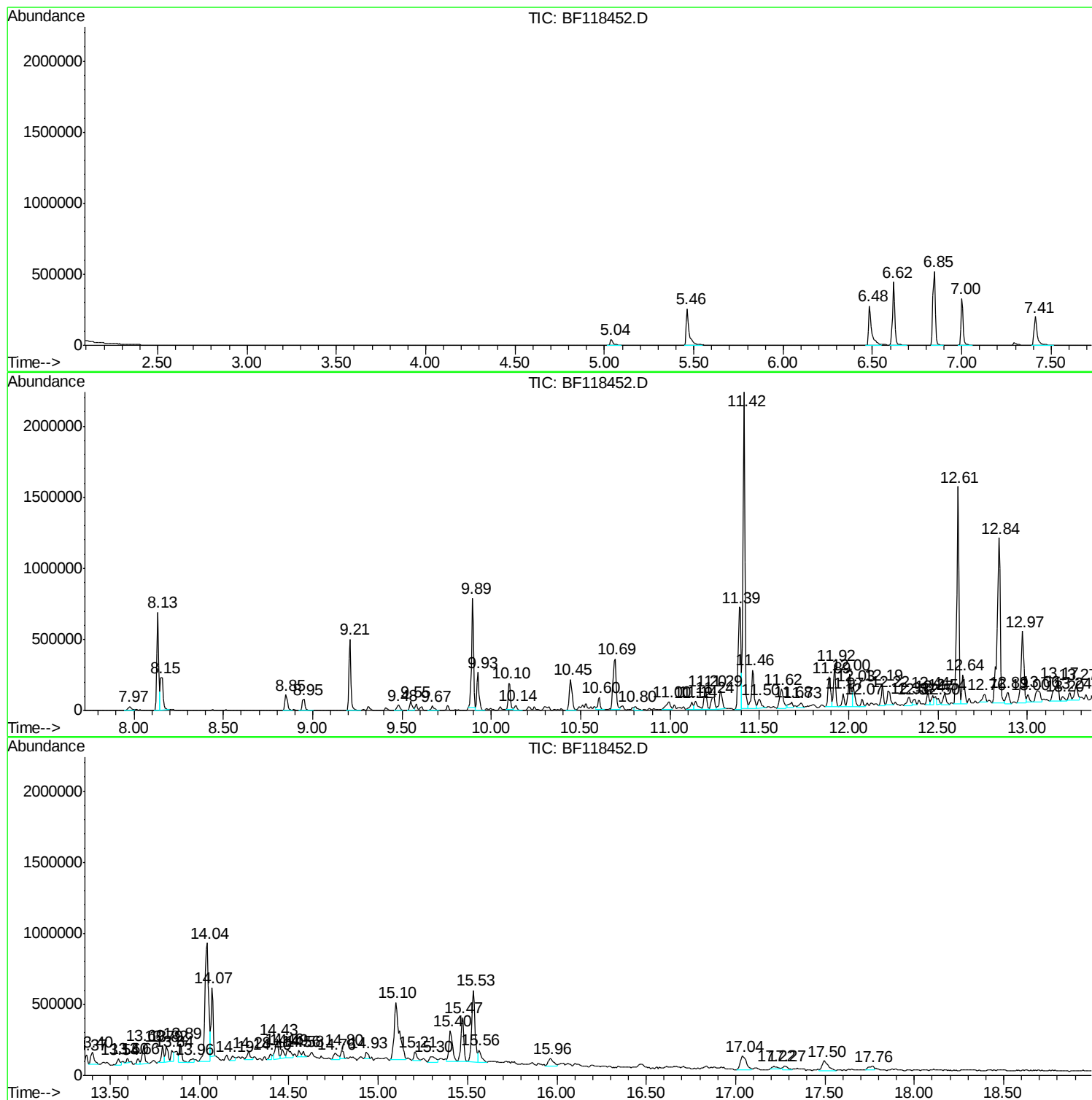
Sum of corrected areas: 21194538

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Instrument :
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ClientSampleId :
SB-5-(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.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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ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampled :
SB-5-(8-10)

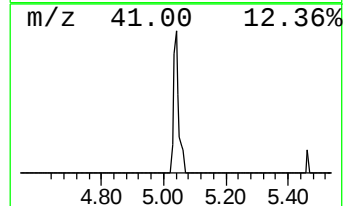
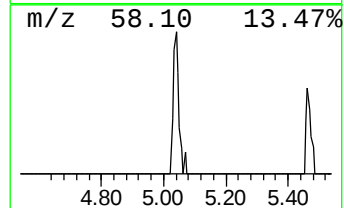
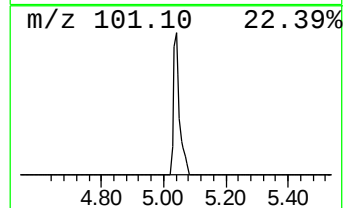
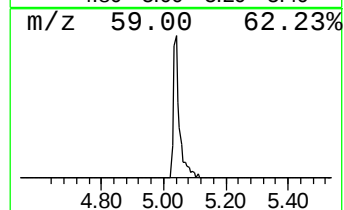
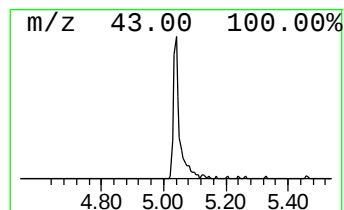
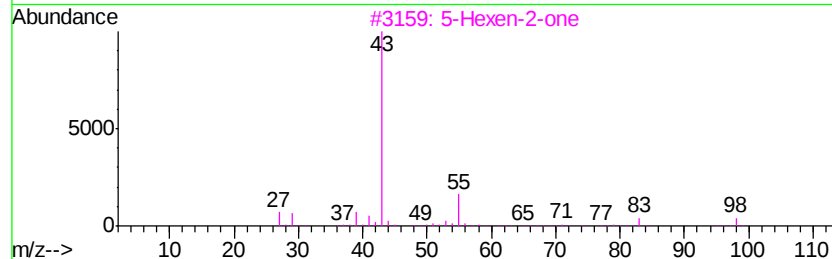
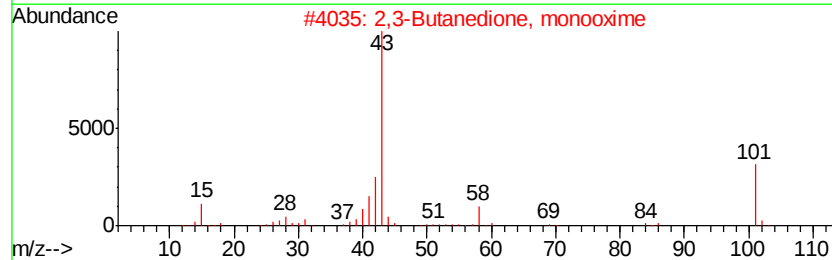
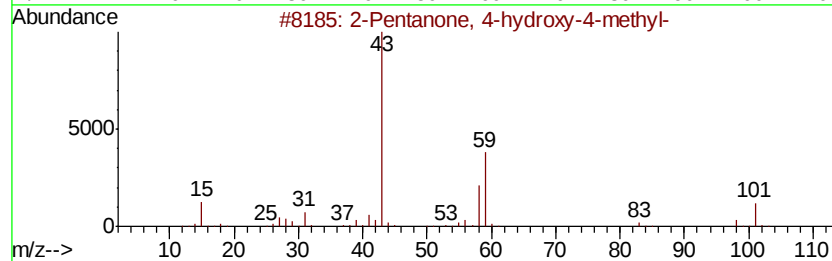
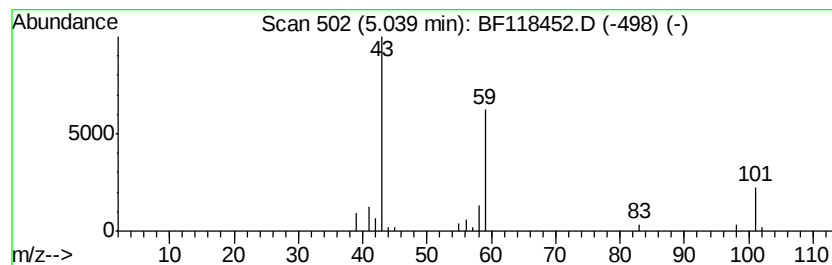
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.04	2.45 ng	52989	1,4-Dichlorobenzene-d4	6.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3			5-Hexen-2-one	98	C6H10O	000109-49-9	9
4			Ethanone, 1-(2-methylcyclopropyl)-	98	C6H10O	000930-56-3	9
5			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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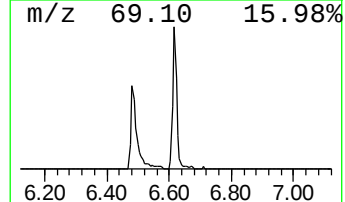
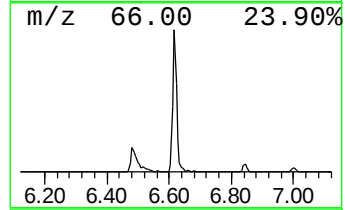
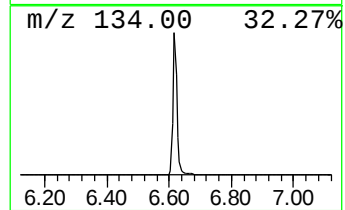
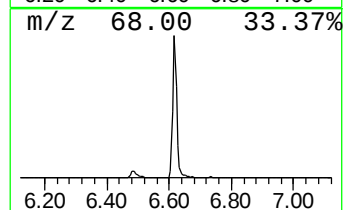
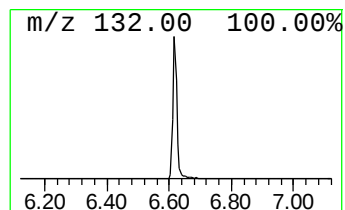
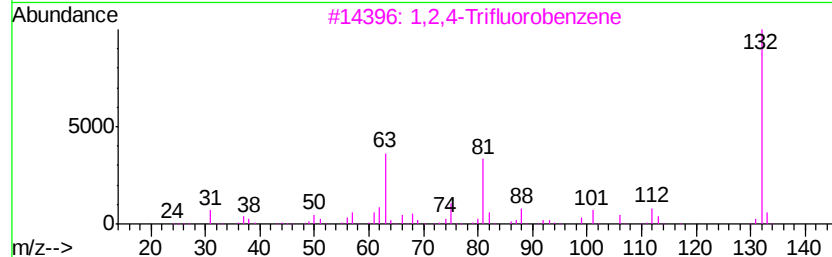
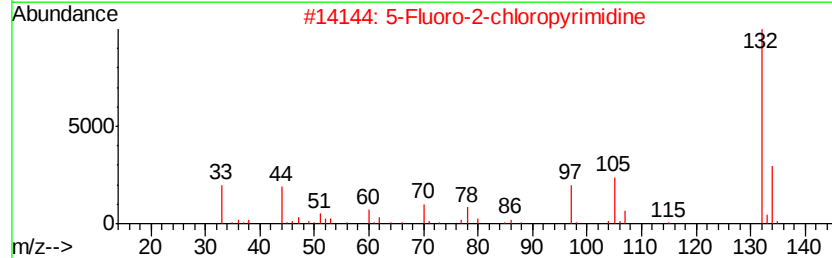
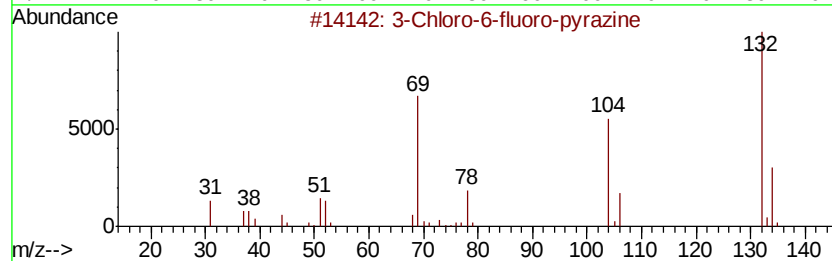
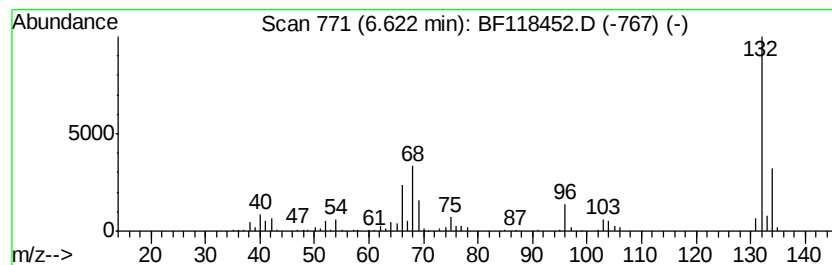
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	18.66 ng	404038	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	25
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	17
3		1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	9
4		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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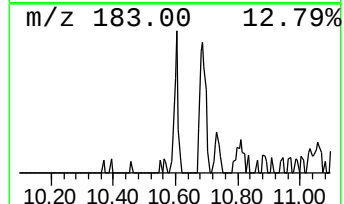
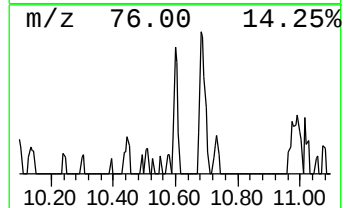
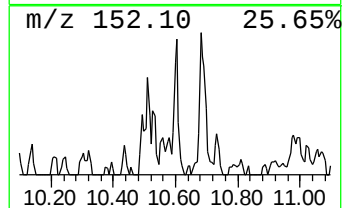
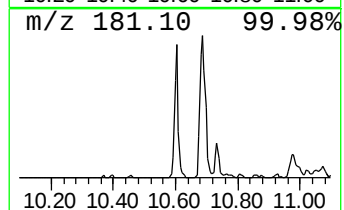
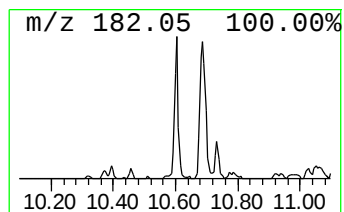
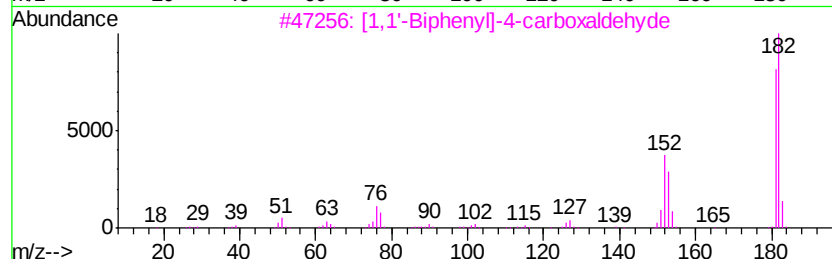
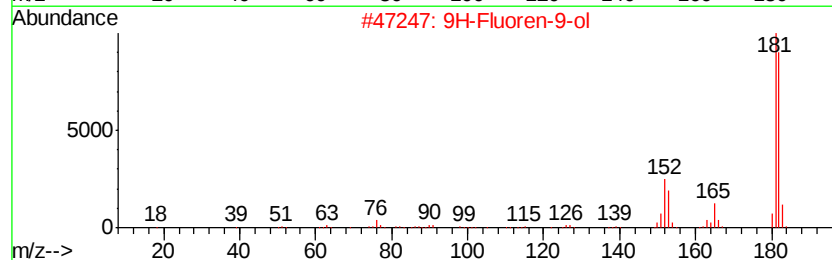
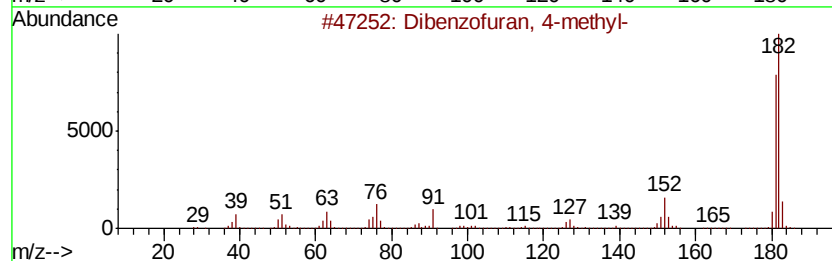
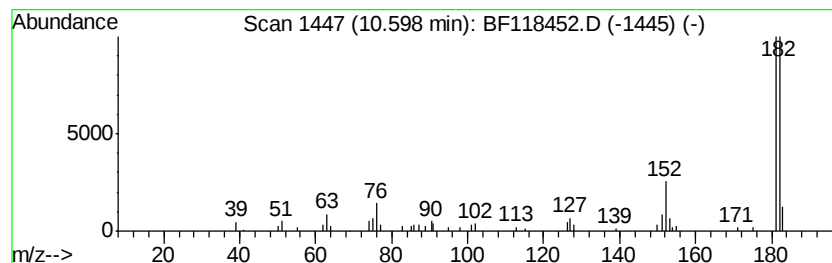
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.60	2.63 ng	81114	Acenaphthene-d10	9.89	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
4	Norharmaline, N-methyl-	182	C12H10N2	1000374-78-6	64
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	64



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Acq On : 2 Jan 2020 23:02
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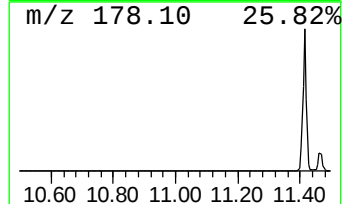
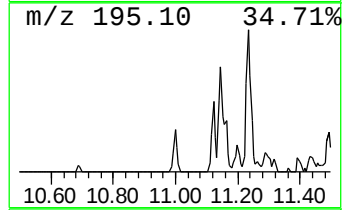
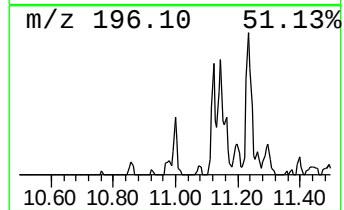
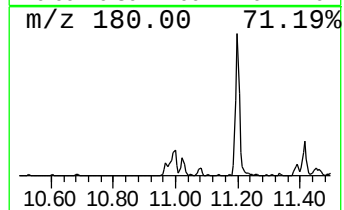
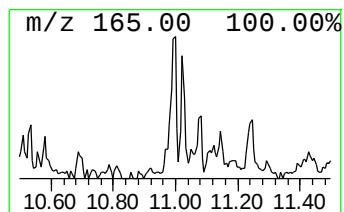
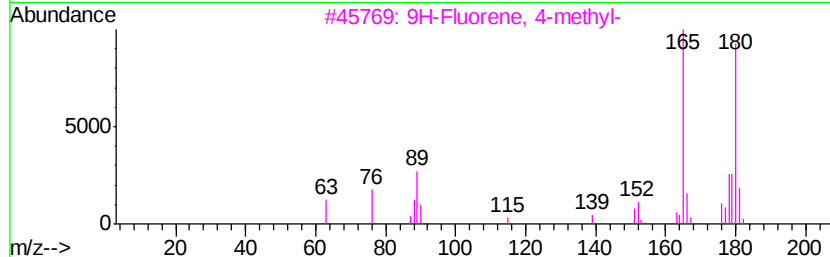
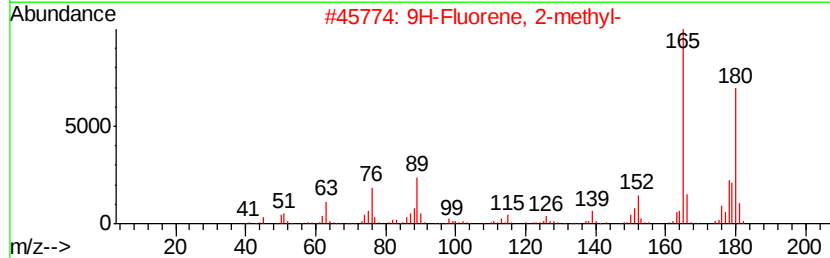
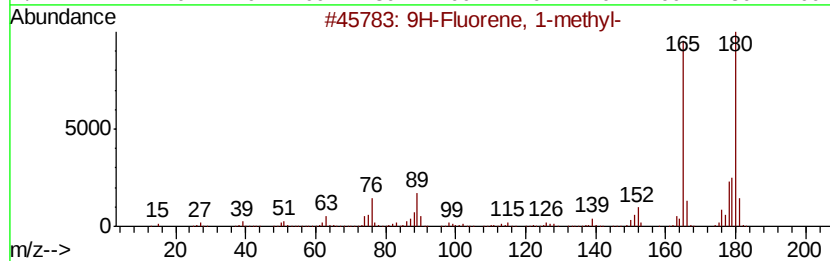
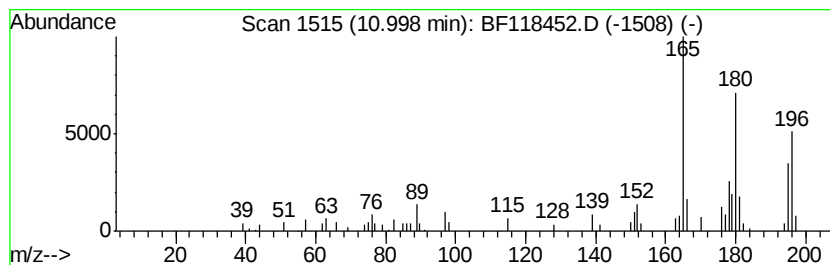
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.00	2.68 ng	93991	Phenanthrene-d10		11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
2			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
3			9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	70
4			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70
5			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	55



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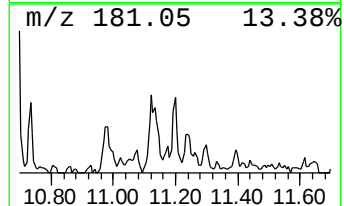
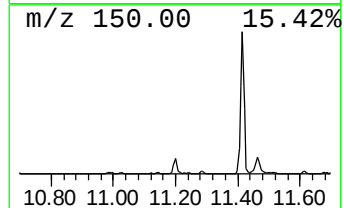
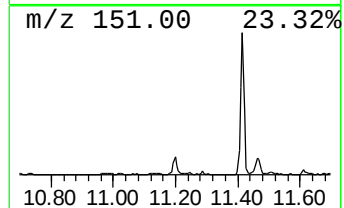
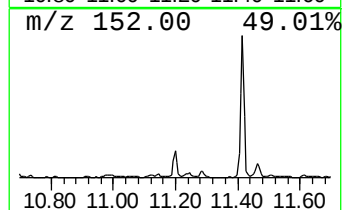
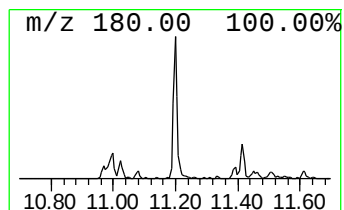
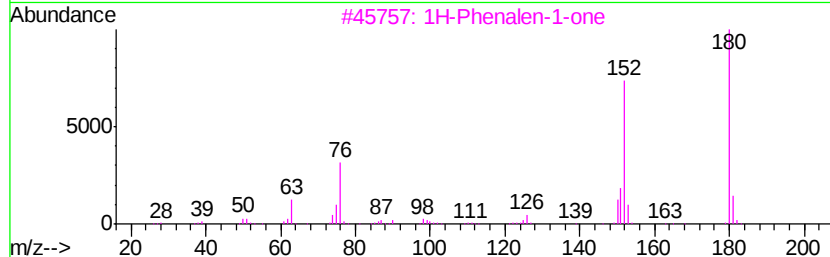
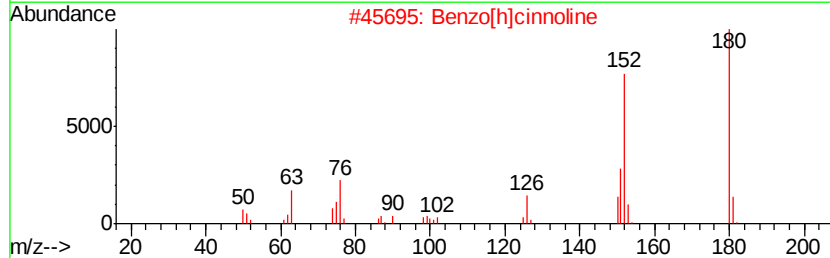
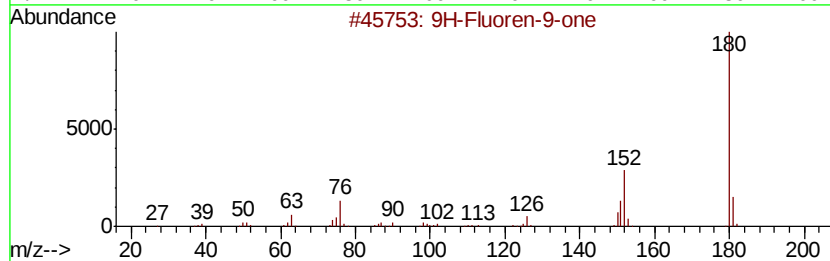
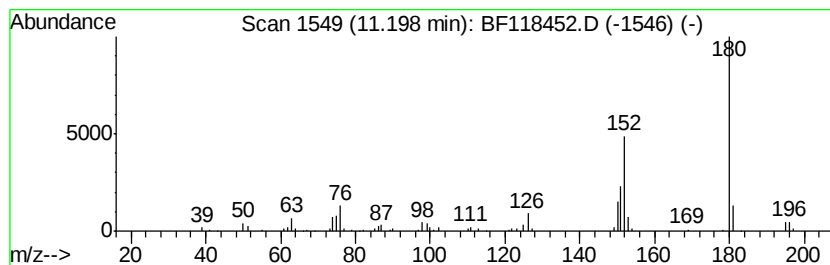
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 9H-Fluoren-9-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	3.35 ng	117660	Phenanthrene-d10	11.39

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one		180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline		180	C12H8N2	000230-31-9	91
3	1H-Phenalen-1-one		180	C13H8O	000548-39-0	72
4	2,3-Diazaphenanthrene		180	C12H8N2	000229-72-1	45
5	Benzo(f)quinoxaline		180	C12H8N2	000230-33-1	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
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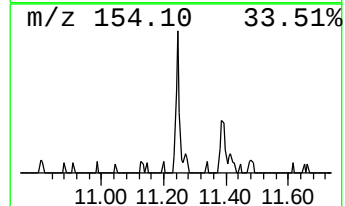
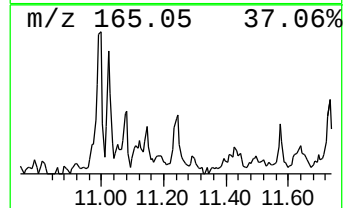
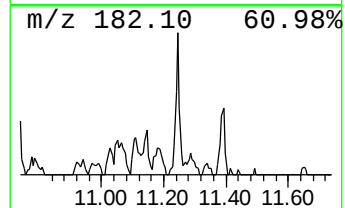
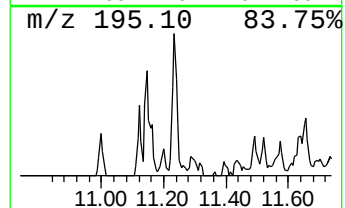
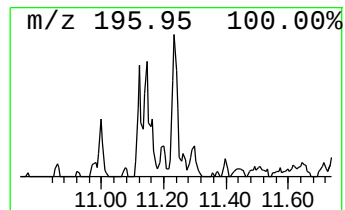
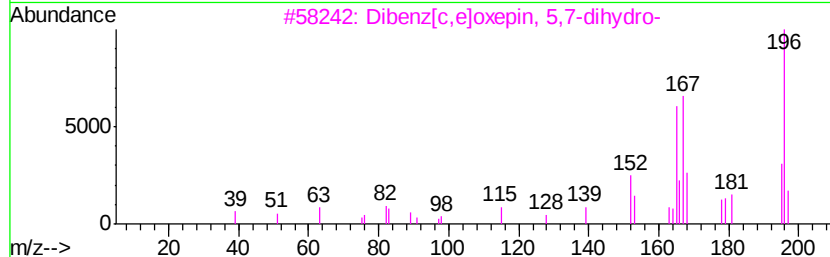
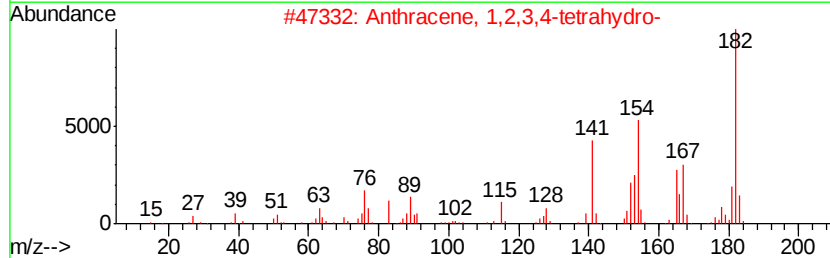
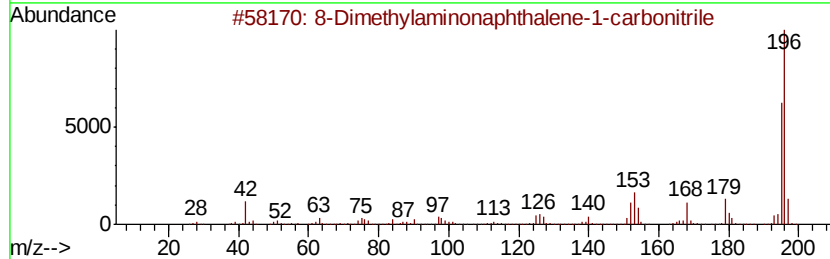
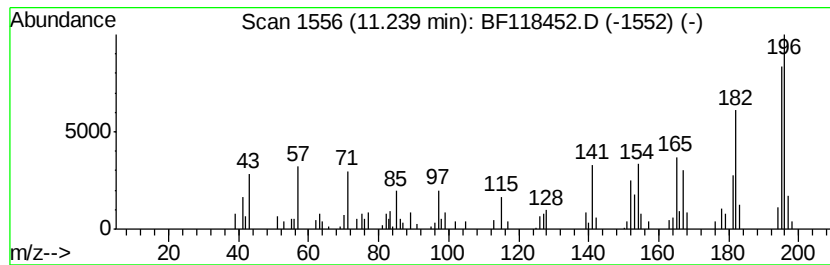
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown11.24 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	3.16 ng	111035	Phenanthrene-d10	11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	46
2			Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	38
3			Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	38
4			.beta.-Carboline, 1,2-dimethyl-	196	C13H12N2	109847-05-4	38
5			Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
Data File : BF118452.D
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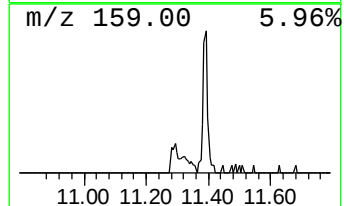
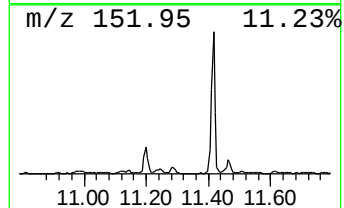
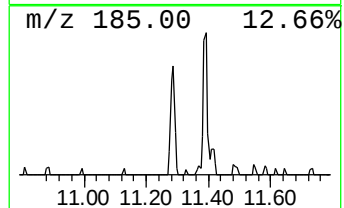
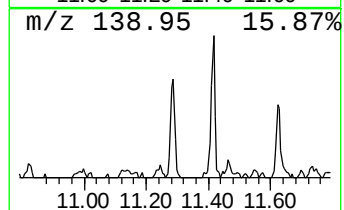
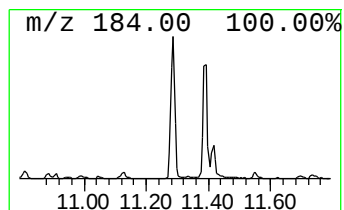
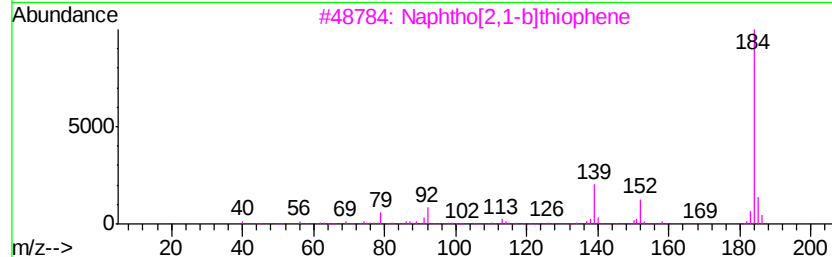
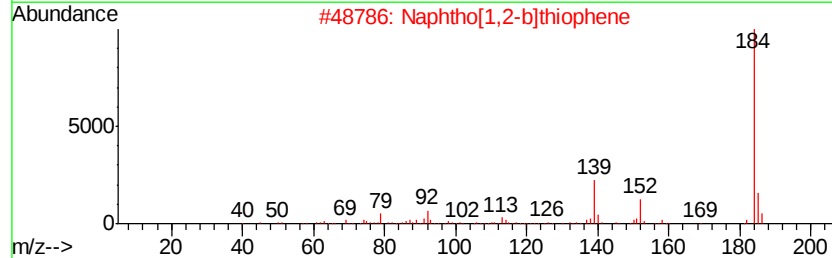
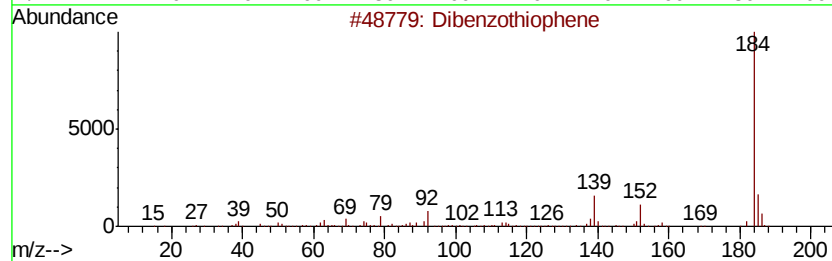
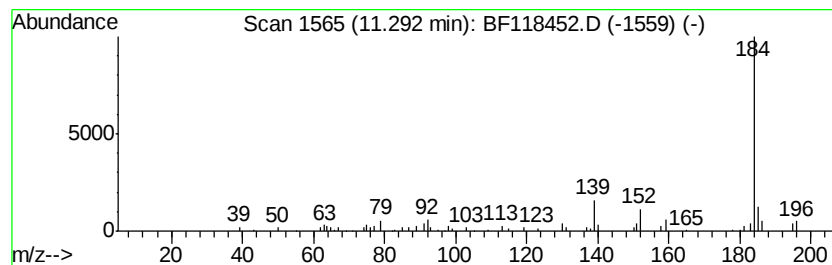
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	3.91 ng	137051	Phenanthrene-d10	11.39

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	96
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



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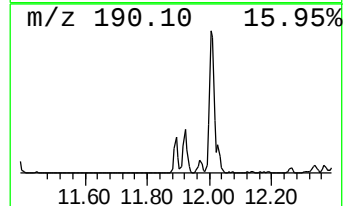
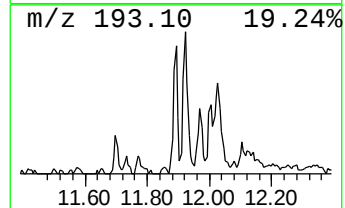
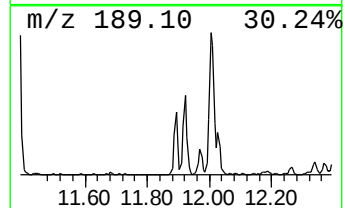
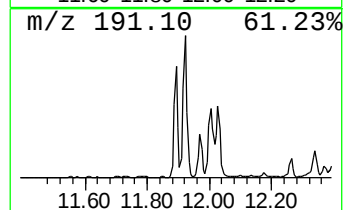
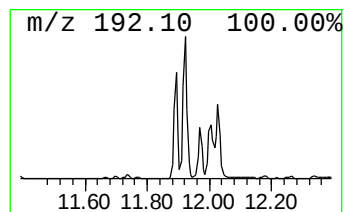
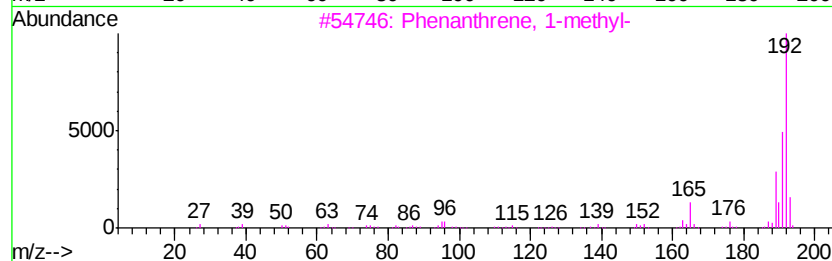
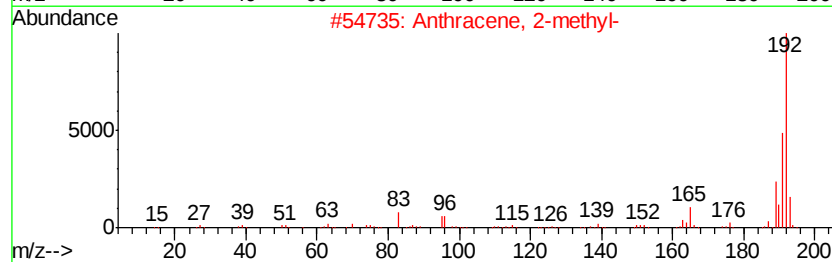
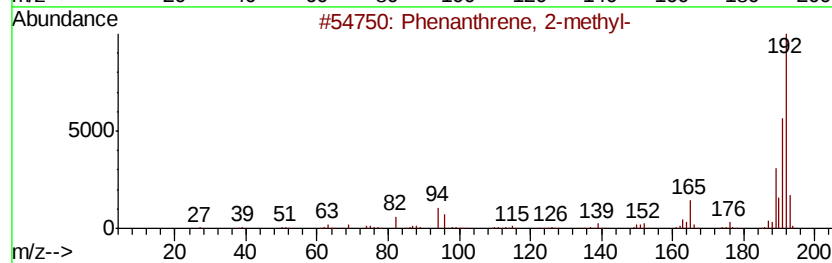
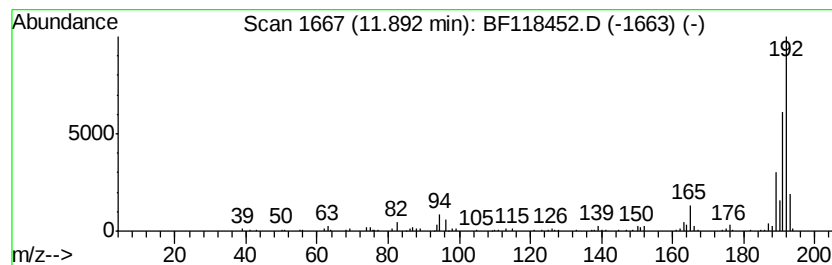
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.89	5.41 ng	189871	Phenanthrene-d10	11.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	92



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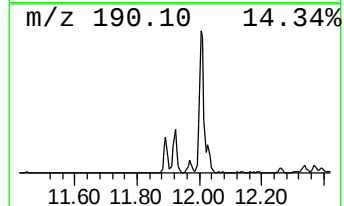
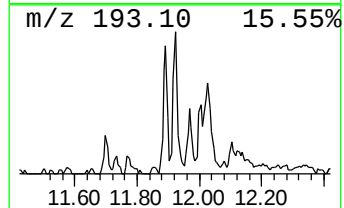
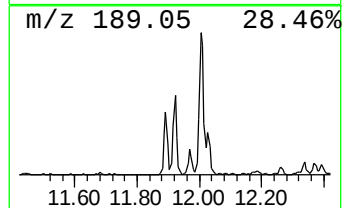
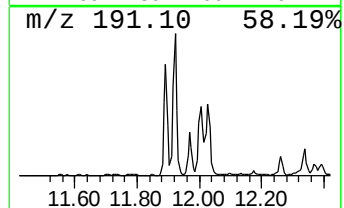
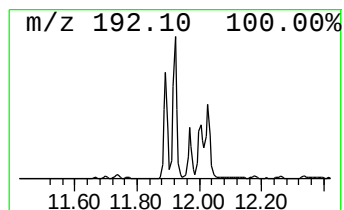
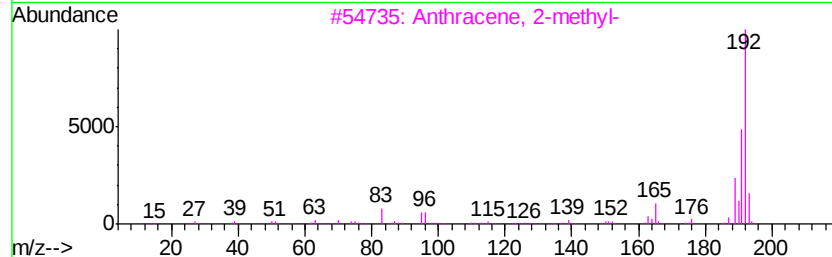
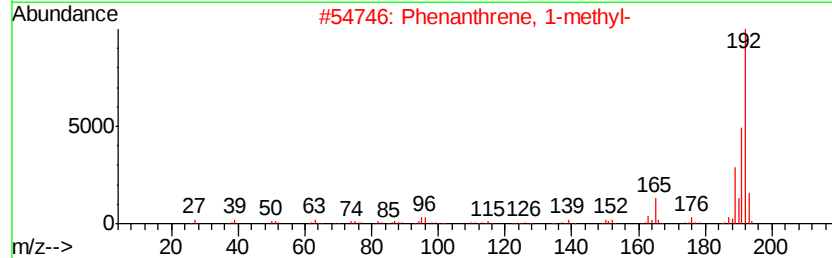
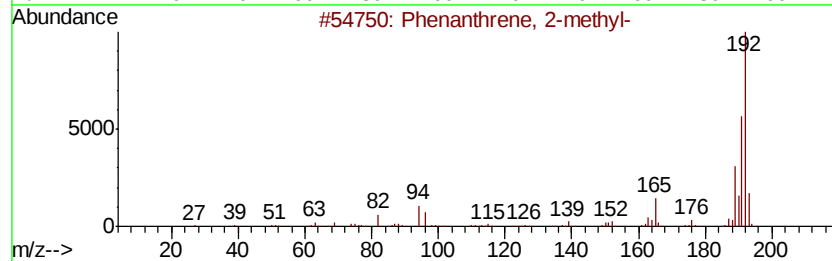
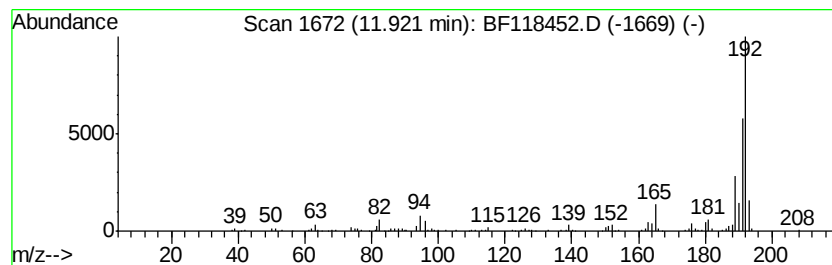
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	7.56 ng	265256	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	92



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
Data File : BF118452.D
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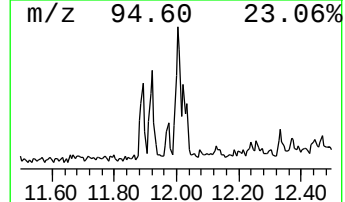
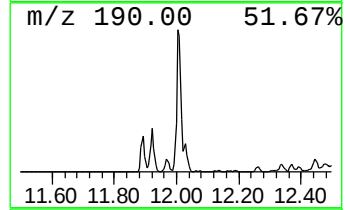
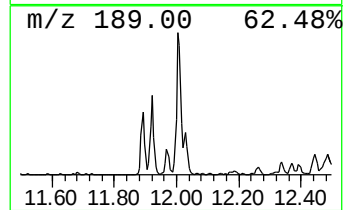
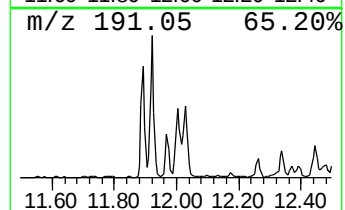
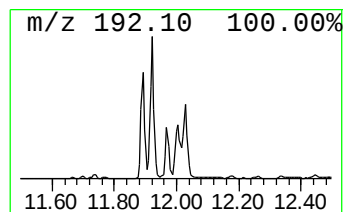
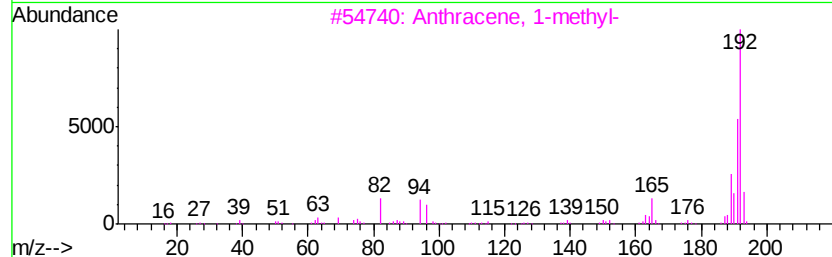
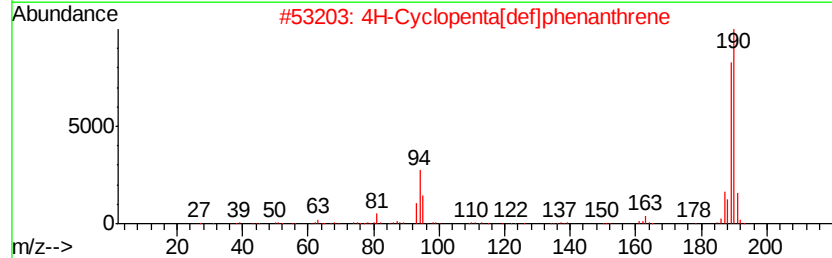
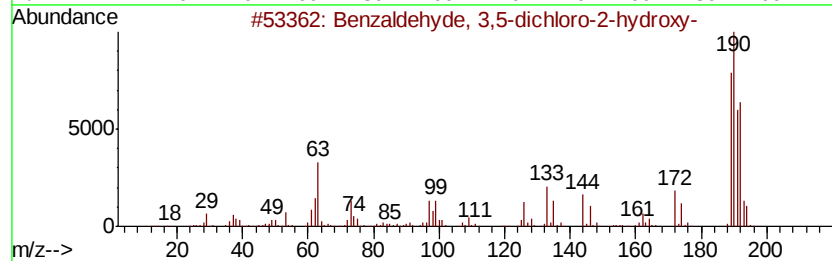
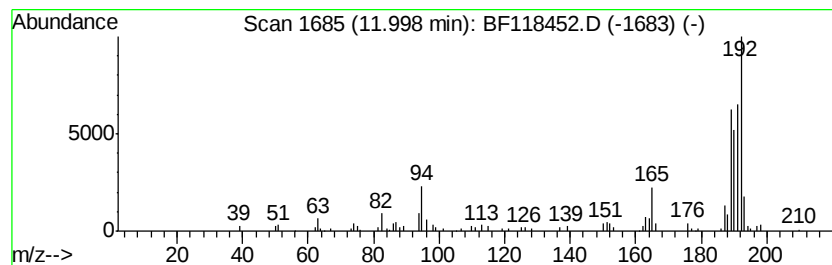
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzaldehyde, 3,5-dichloro-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	7.85 ng	275582	Phenanthrene-d10	11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	38
4			8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	38
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
Data File : BF118452.D
Acq On : 2 Jan 2020 23:02
Operator : JU
Sample : K6464-02 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-5-(8-10)

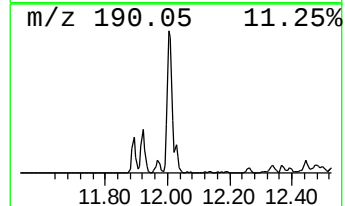
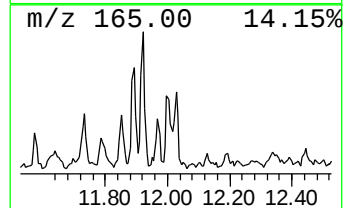
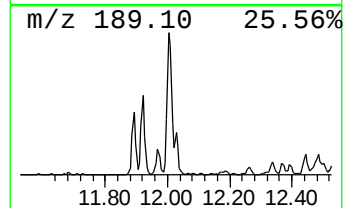
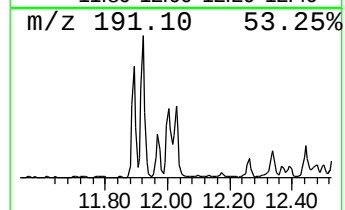
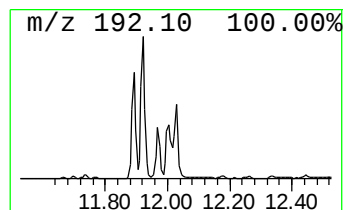
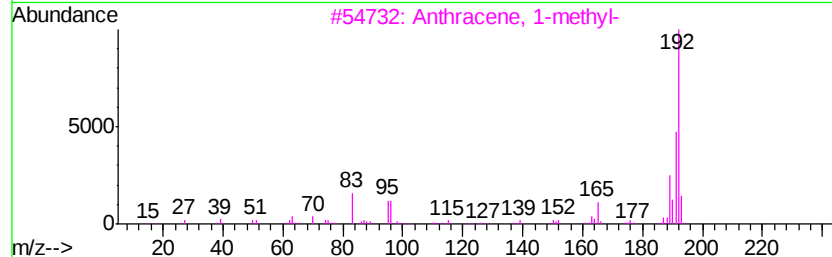
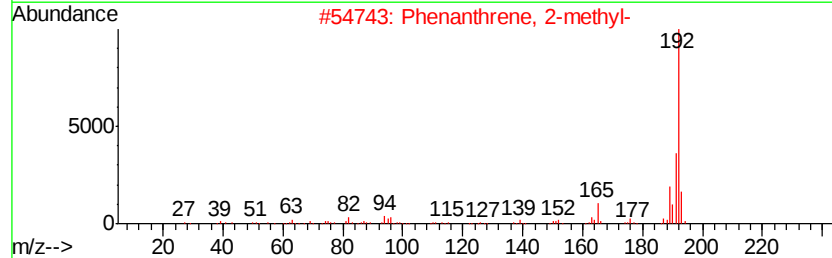
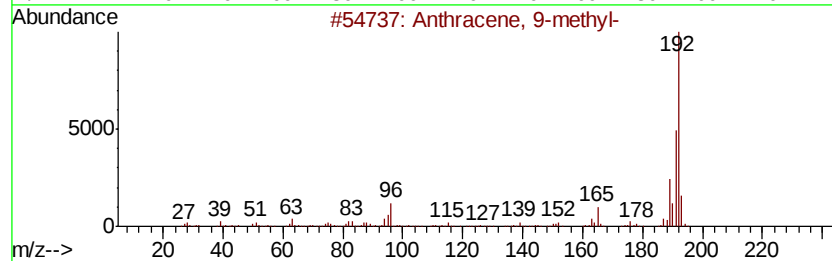
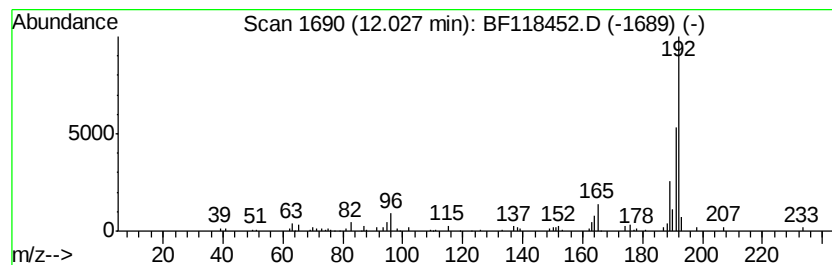
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Anthracene, 9-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.00 ng	105199	Phenanthrene-d10	11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
4			1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	81
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
Data File : BF118452.D
Acq On : 2 Jan 2020 23:02
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Sample : K6464-02 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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ClientSampleId :
SB-5-(8-10)

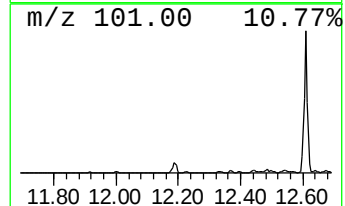
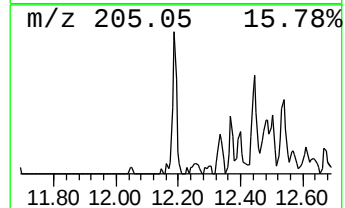
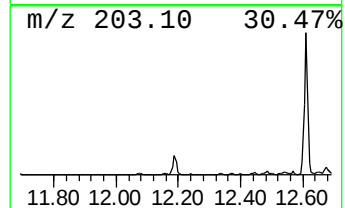
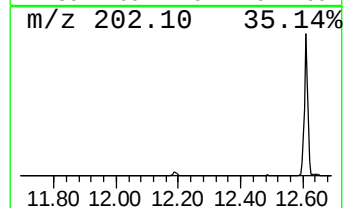
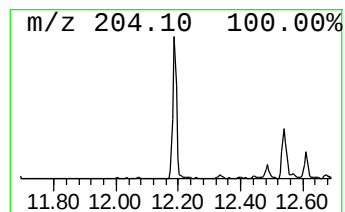
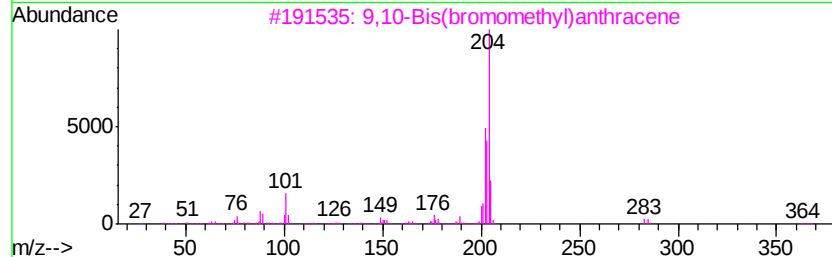
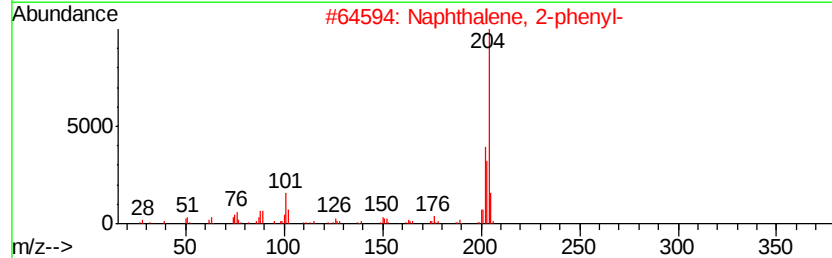
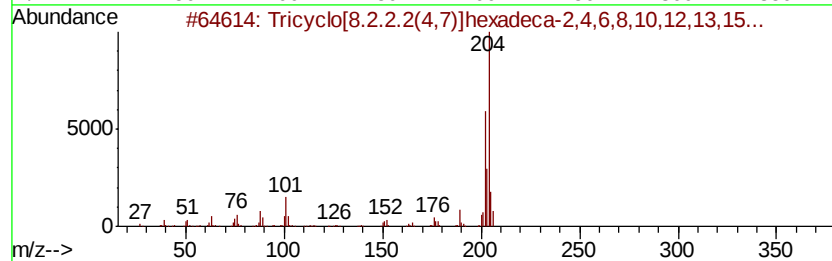
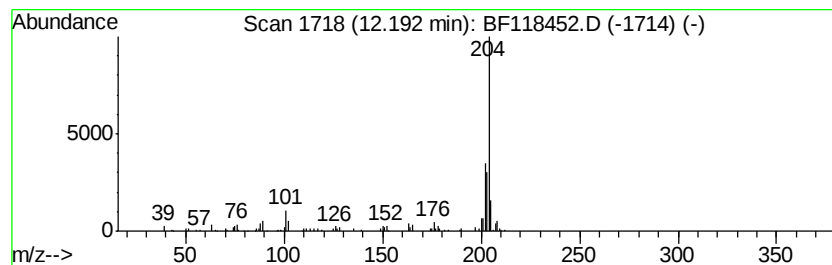
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	3.32 ng	116534	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	91
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	70
4		5,16[1',2'1:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
5		Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
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Operator : JU
Sample : K6464-02 5X
Misc :
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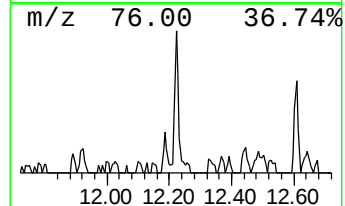
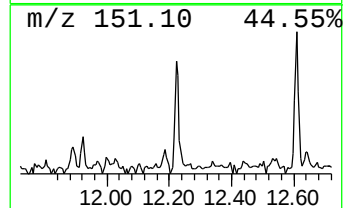
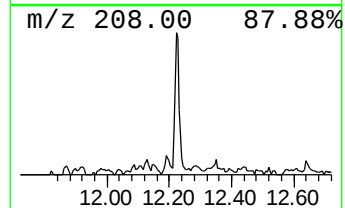
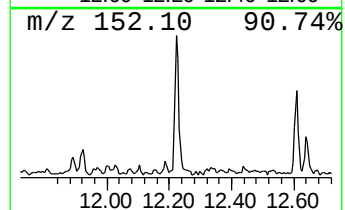
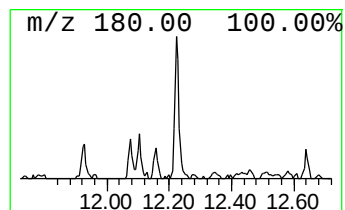
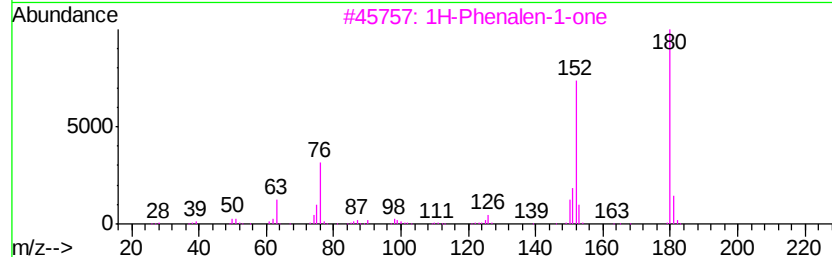
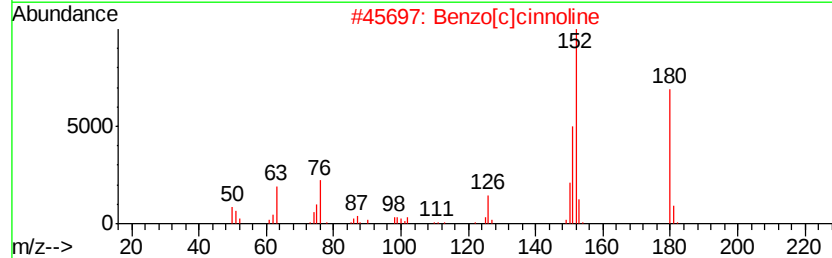
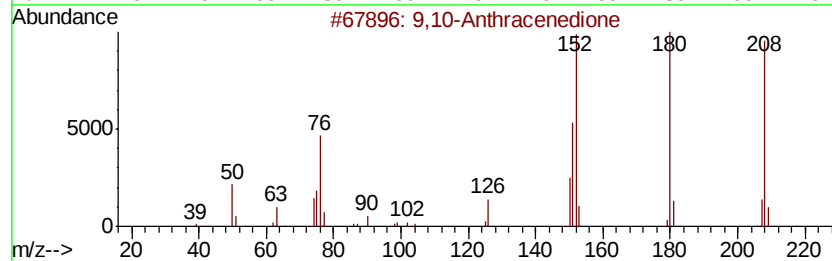
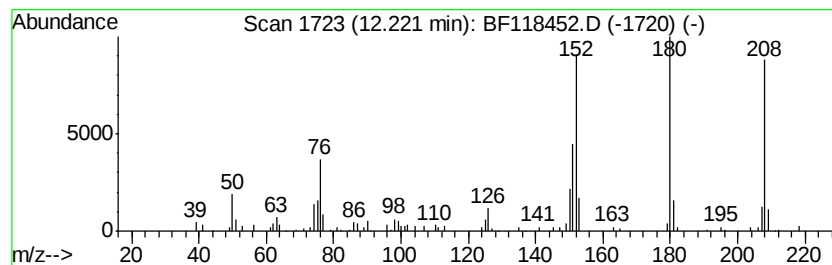
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	2.98 ng	104629	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
4		9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
5		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
Data File : BF118452.D
Acq On : 2 Jan 2020 23:02
Operator : JU
Sample : K6464-02 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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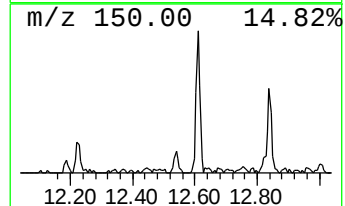
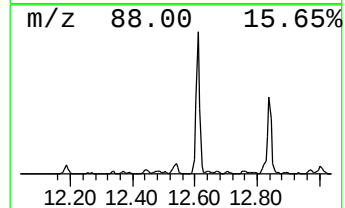
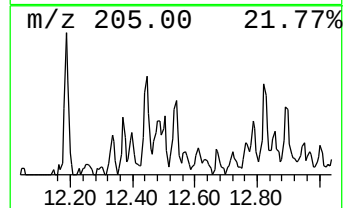
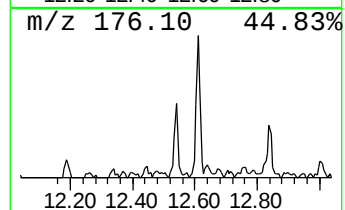
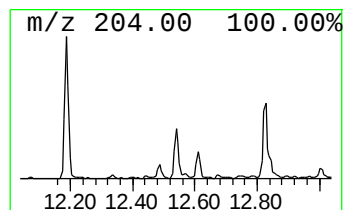
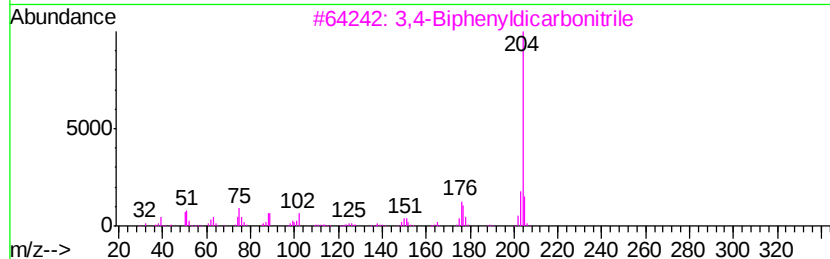
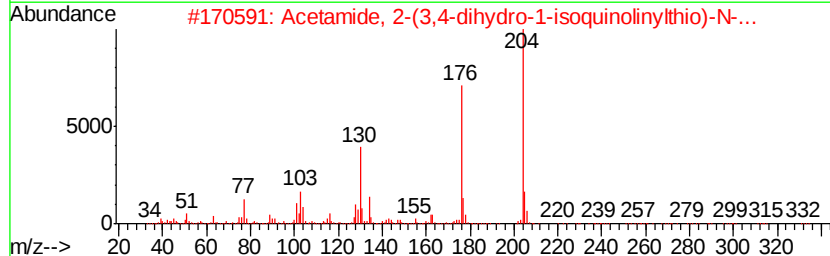
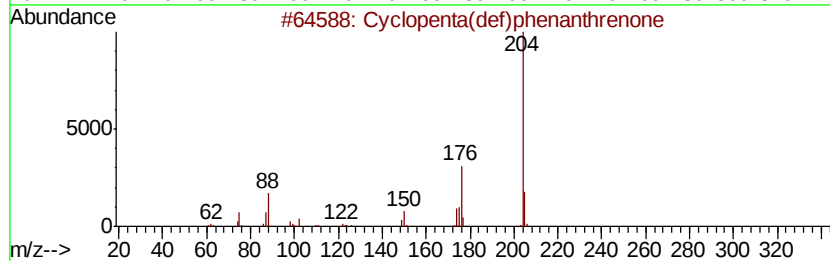
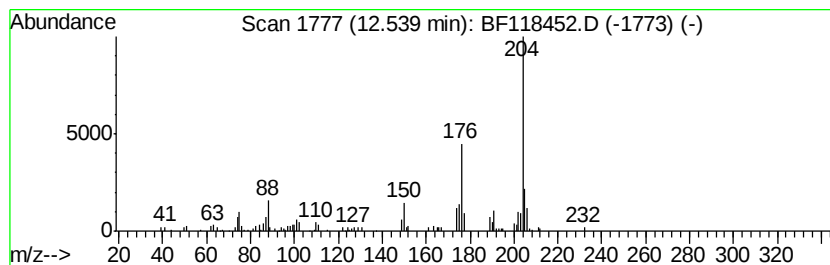
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	2.60 ng	91331	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2		Acetamide, 2-(3,4-dihydro-1-isoq...	332	C17H14F2N2OS	1000270-76-1	59
3		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
4		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
5		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
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Misc :
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ClientSampleId :
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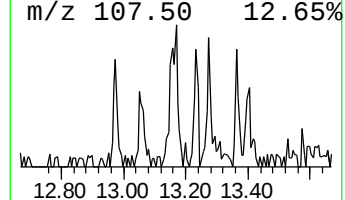
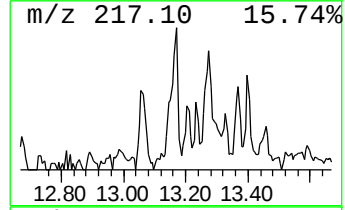
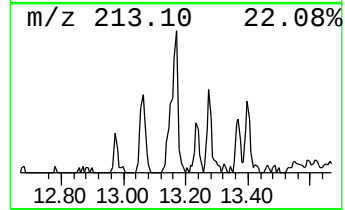
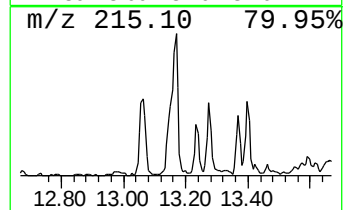
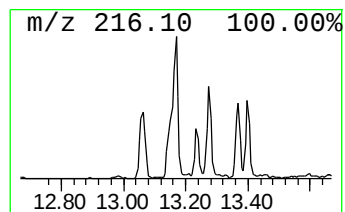
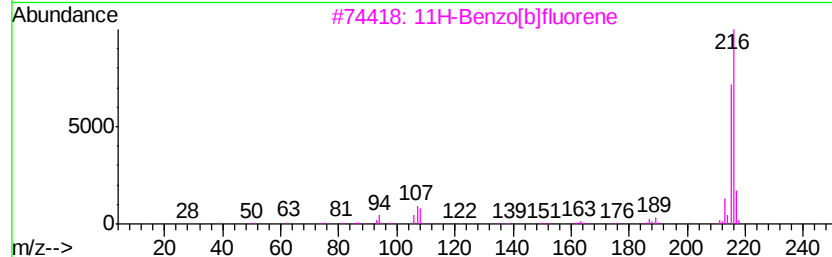
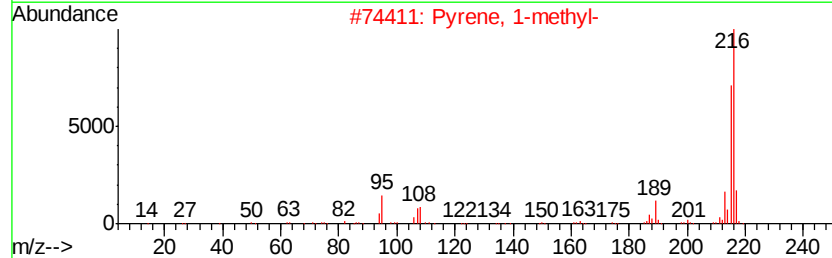
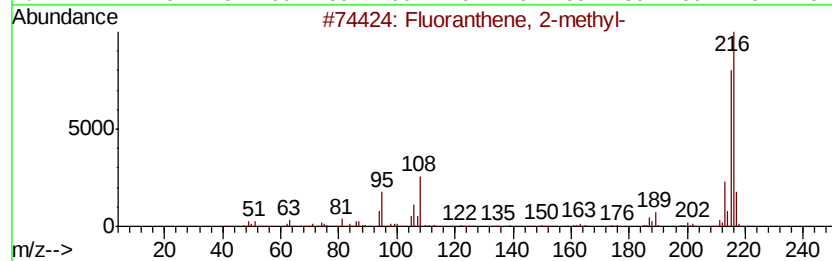
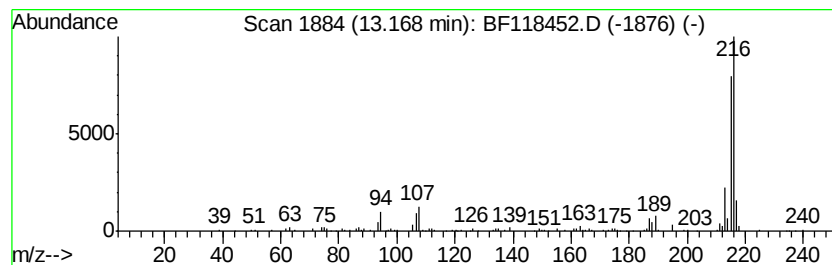
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	3.80 ng	229915	Chrysene-d12	14.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
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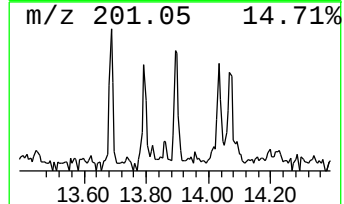
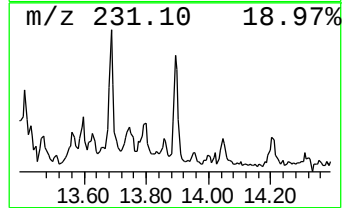
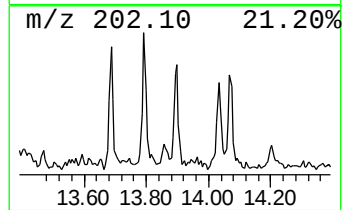
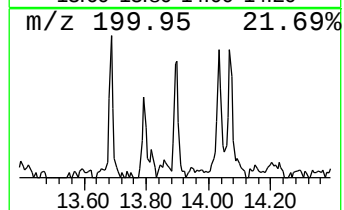
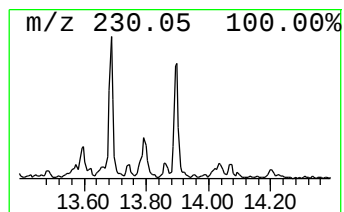
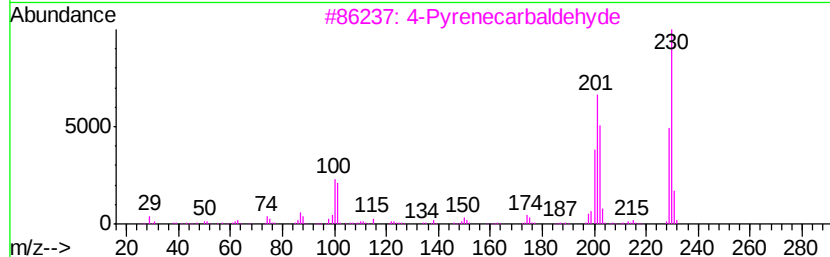
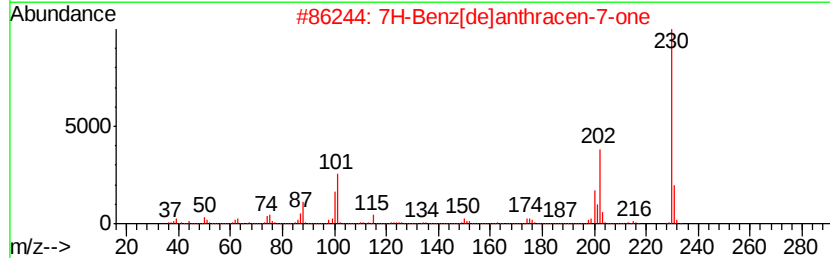
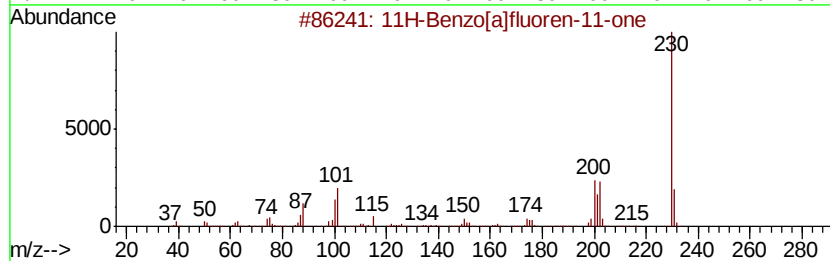
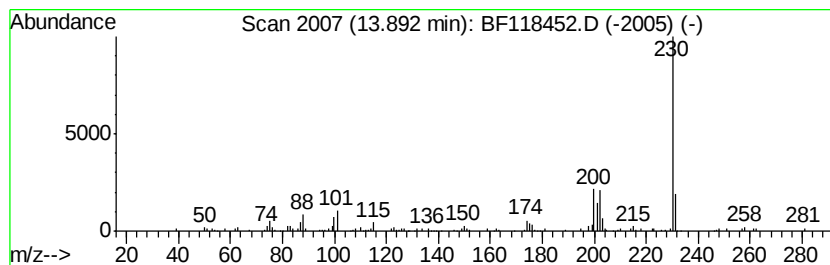
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	2.47 ng	149198	Chrysene-d12	14.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3		4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	80
4		6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	76
5		[1,2,4]Triazolo[5,1-b]quinazolin...	258	C10H9F3N4O	1000337-75-2	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
Data File : BF118452.D
Acq On : 2 Jan 2020 23:02
Operator : JU
Sample : K6464-02 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

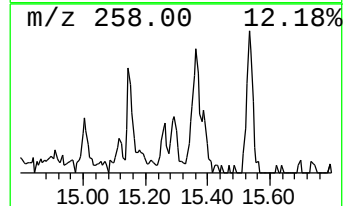
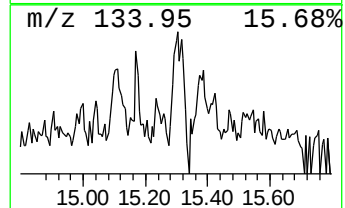
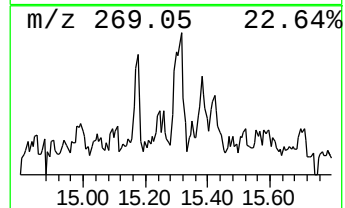
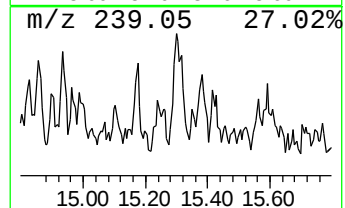
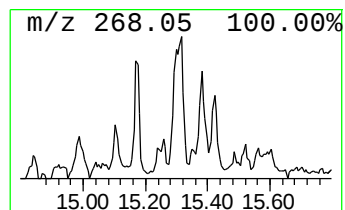
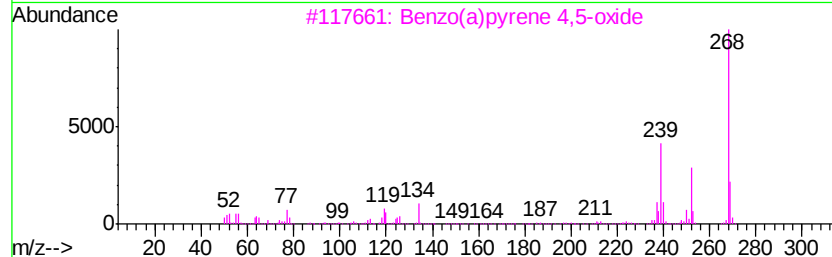
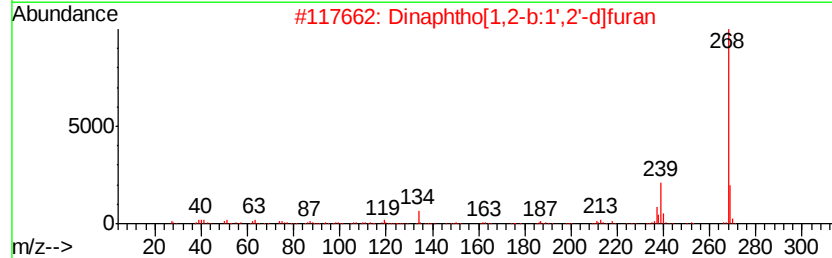
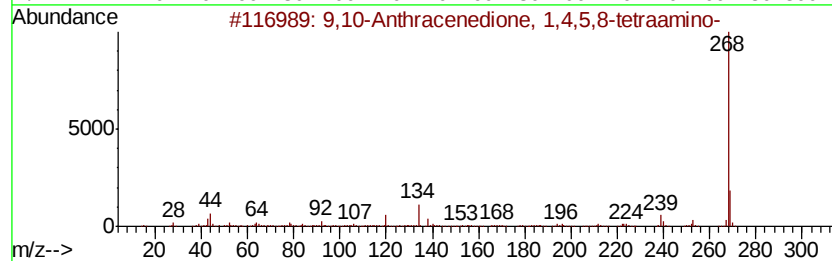
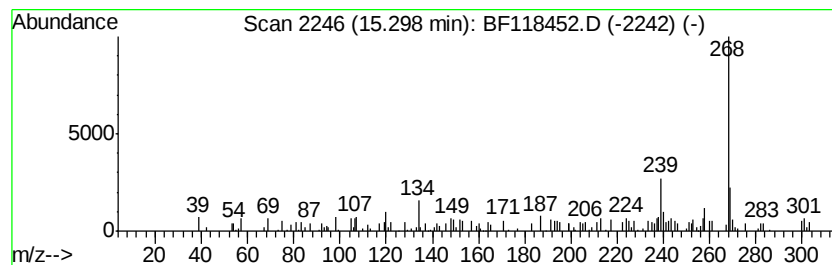
Instrument :
BNA_F
ClientSampleId :
SB-5-(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 9,10-Anthracenedione, 1,4,5... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.30	3.29 ng	114527	Perylene-d12	15.53	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	70
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	68
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	68
4	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	68
5	Benzo[c]pyren-6,7-diol, 4,5-dihy...	433	C29H23NO3	1000124-59-9	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
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Operator : JU
Sample : K6464-02 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-5-(8-10)

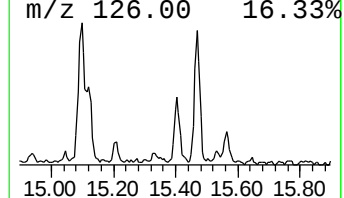
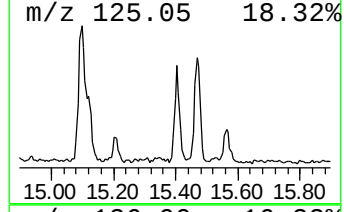
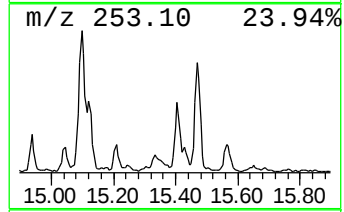
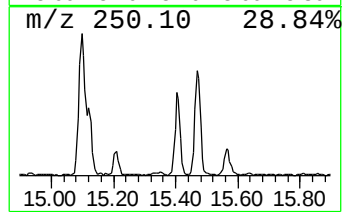
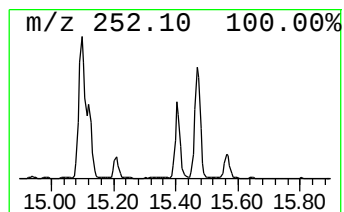
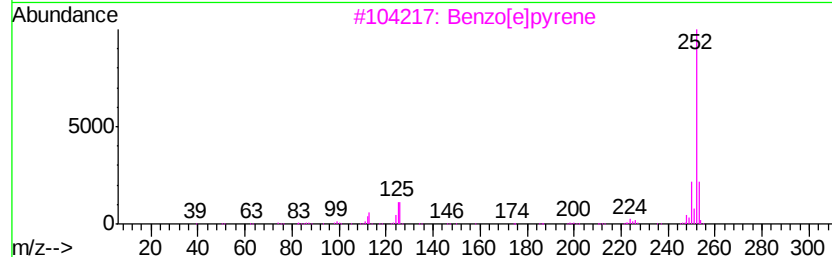
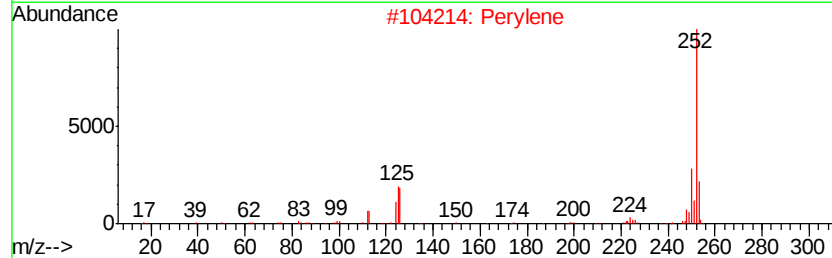
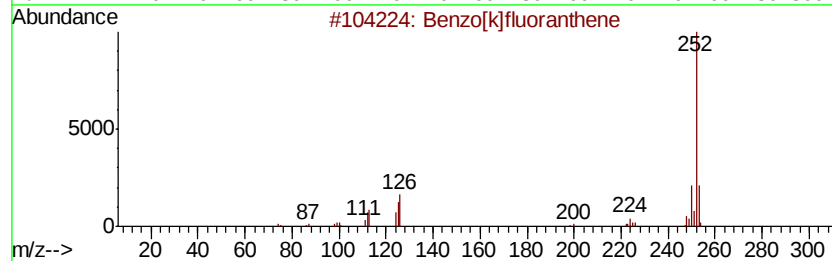
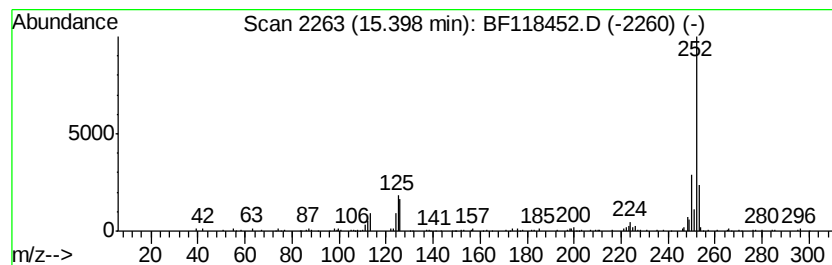
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	8.03 ng	279055	Perylene-d12	15.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2		Perylene	252	C20H12	000198-55-0	97
3		Benzo[e]pyrene	252	C20H12	000192-97-2	96
4		Benzo[a]acephenanthrylene	252	C20H12	000205-99-2	90
5		Benzo[a]pyrene	252	C20H12	000050-32-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
Data File : BF118452.D
Acq On : 2 Jan 2020 23:02
Operator : JU
Sample : K6464-02 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-5-(8-10)

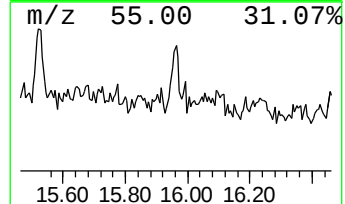
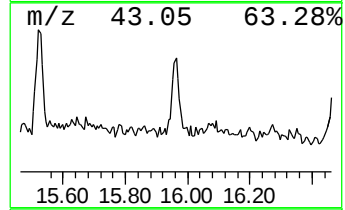
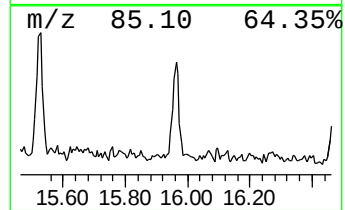
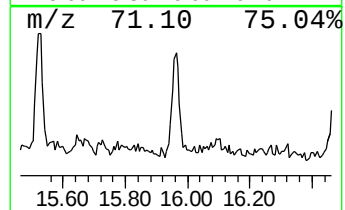
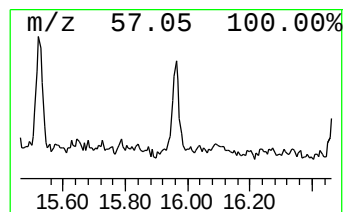
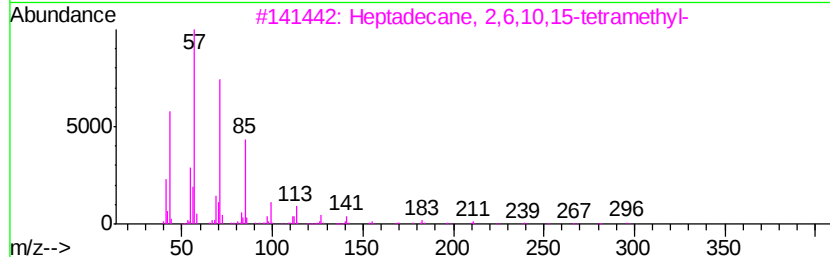
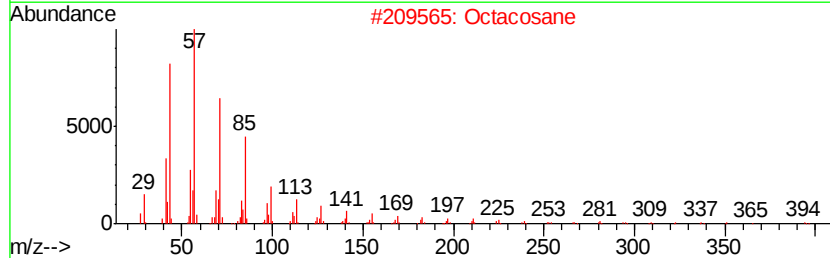
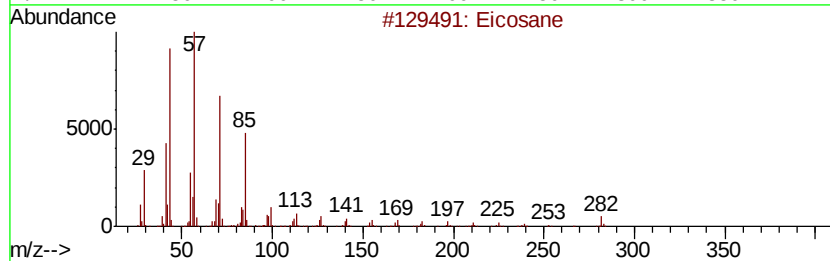
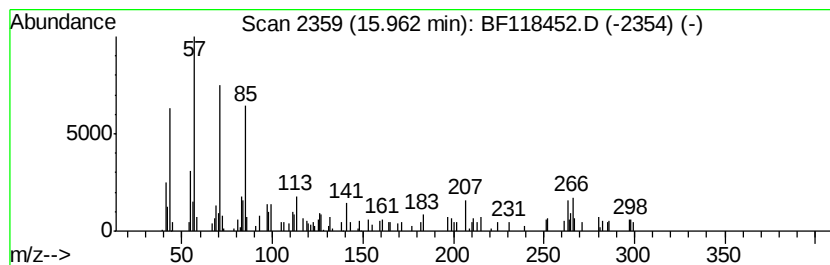
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Sulfurous acid, hexyl octyl... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	3.23 ng	112271	Perylene-d12	15.53

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Eicosane	282	C20H42	000112-95-8	86
2			Octacosane	394	C28H58	000630-02-4	52
3			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	52
4			Sulfurous acid, hexyl octyl ester	278	C14H30O3S	1000309-13-0	52
5			2-methyloctacosane	408	C29H60	1000376-72-8	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF010220\
 Data File : BF118452.D
 Acq On : 2 Jan 2020 23:02
 Operator : JU
 Sample : K6464-02 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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...	5.04	2.5 ng		52989	1	6.85	433027	20.0
unknown6.62	6.62	18.7 ng		404038	1	6.85	433027	20.0
Dibenzofuran, 4-m...	10.60	2.6 ng		81114	3	9.89	617167	20.0
9H-Fluorene, 1-me...	11.00	2.7 ng		93991	4	11.39	701684	20.0
9H-Fluoren-9-one	11.20	3.4 ng		117660	4	11.39	701684	20.0
unknown11.24	11.24	3.2 ng		111035	4	11.39	701684	20.0
Dibenzothiophene	11.29	3.9 ng		137051	4	11.39	701684	20.0
Phenanthrene, 2-m...	11.89	5.4 ng		189871	4	11.39	701684	20.0
Anthracene, 2-met...	11.92	7.6 ng		265256	4	11.39	701684	20.0
Benzaldehyde, 3,5...	12.00	7.8 ng		275582	4	11.39	701684	20.0
Anthracene, 9-met...	12.03	3.0 ng		105199	4	11.39	701684	20.0
Tricyclo[8.2.2.2(...	12.19	3.3 ng		116534	4	11.39	701684	20.0
9,10-Anthracenedione	12.22	3.0 ng		104629	4	11.39	701684	20.0
Cyclopenta(def)ph...	12.54	2.6 ng		91331	4	11.39	701684	20.0
Fluoranthene, 2-m...	13.17	3.8 ng		229915	5	14.04	1209970	20.0
11H-Benzo[a]fluor...	13.89	2.5 ng		149198	5	14.04	1209970	20.0
9,10-Anthracenedi...	15.30	3.3 ng		114527	6	15.53	695322	20.0
Benzo[e]pyrene	15.40	8.0 ng		279055	6	15.53	695322	20.0
Sulfurous acid, h...	15.96	3.2 ng		112271	6	15.53	695322	20.0