

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090418\
 Data File : BF108756.D
 Acq On : 4 Sep 2018 22:11
 Operator : JU/SJ
 Sample : J4748-06 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-11

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-BF083018.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	6.678	734	738	741	rBV2	16771	19322	1.09%	0.135%
2	6.801	752	759	764	rBV9	10200	33557	1.89%	0.234%
3	6.995	788	792	806	rBV	110984	293556	16.56%	2.049%
4	7.089	806	808	814	rVV2	33356	47129	2.66%	0.329%
5	7.148	814	818	836	rVB	35960	94862	5.35%	0.662%
6	8.272	1006	1009	1035	rBV	207688	457474	25.81%	3.192%
7	9.348	1188	1192	1206	rBV	39816	87823	4.95%	0.613%
8	9.736	1251	1258	1264	rBV	18327	23802	1.34%	0.166%
9	10.030	1304	1308	1324	rBV	453695	536257	30.25%	3.742%
10	10.836	1442	1445	1455	rBV4	17487	37372	2.11%	0.261%
11	10.995	1468	1472	1474	rBV	17520	21283	1.20%	0.149%
12	11.172	1499	1502	1506	rVV2	16116	18436	1.04%	0.129%
13	11.207	1506	1508	1512	rVV	18415	23994	1.35%	0.167%
14	11.254	1513	1516	1524	rVB	13816	20136	1.14%	0.141%
15	11.530	1559	1563	1565	rBV	405590	440384	24.84%	3.073%
16	11.554	1565	1567	1582	rVV	292381	533202	30.08%	3.721%
17	11.660	1582	1585	1596	rVB4	20715	56804	3.20%	0.396%
18	11.789	1602	1607	1616	rBV2	31483	84228	4.75%	0.588%
19	12.036	1645	1649	1651	rBV	16313	20472	1.15%	0.143%
20	12.066	1651	1654	1660	rVV3	26265	42675	2.41%	0.298%
21	12.148	1664	1668	1677	rBV2	61561	110373	6.23%	0.770%
22	12.330	1695	1699	1702	rBV2	21890	27809	1.57%	0.194%
23	12.366	1702	1705	1715	rVV2	43560	96564	5.45%	0.674%
24	12.460	1719	1721	1727	rVB2	35043	36249	2.04%	0.253%
25	12.583	1739	1742	1745	rBV2	19187	24651	1.39%	0.172%
26	12.683	1754	1759	1766	rBV6	21213	43141	2.43%	0.301%
27	12.754	1766	1771	1781	rBV	1288113	1772707	100.00%	12.371%
28	12.907	1792	1797	1803	rVB	35732	67527	3.81%	0.471%
29	12.983	1803	1810	1816	rBV	1034161	1436498	81.03%	10.025%
30	13.113	1828	1832	1837	rBV2	141812	198705	11.21%	1.387%
31	13.201	1842	1847	1852	rVB3	42033	75349	4.25%	0.526%
32	13.313	1857	1866	1873	rBV	142980	281067	15.86%	1.961%
33	13.377	1874	1877	1880	rBV2	119245	143563	8.10%	1.002%
34	13.507	1897	1899	1902	rBV	28102	35416	2.00%	0.247%

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35	13.542	1902	1905	1913	rVB4	44041	61839	3.49%	0.432%
36	13.618	1916	1918	1923	rVB4	24192	29165	1.65%	0.204%
37	13.736	1935	1938	1943	rBV	27248	36980	2.09%	0.258%
38	13.824	1951	1953	1962	rVB	53167	82053	4.63%	0.573%
39	13.936	1968	1972	1974	rBV	140727	166412	9.39%	1.161%
40	13.960	1974	1976	1978	rVV	110278	120049	6.77%	0.838%
41	13.983	1978	1980	1987	rVV3	107783	234805	13.25%	1.639%
42	14.036	1987	1989	1996	rVB	71161	110231	6.22%	0.769%
43	14.124	2001	2004	2007	rVV	167983	153130	8.64%	1.069%
44	14.189	2007	2015	2017	rVV2	685056	1240380	69.97%	8.656%
45	14.212	2017	2019	2030	rVV	720646	881576	49.73%	6.152%
46	14.295	2030	2033	2039	rVV2	100580	126888	7.16%	0.885%
47	14.607	2083	2086	2091	rVB3	71853	85283	4.81%	0.595%
48	14.701	2100	2102	2104	rBV	37584	37909	2.14%	0.265%
49	14.930	2136	2141	2145	rBV3	64420	112954	6.37%	0.788%
50	15.277	2195	2200	2216	rVV	541967	1329085	74.97%	9.275%
51	15.389	2217	2219	2232	rVB	46263	96314	5.43%	0.672%
52	15.607	2251	2256	2263	rVB	248827	419330	23.65%	2.926%
53	15.677	2263	2268	2274	rBV	268535	484780	27.35%	3.383%
54	15.742	2275	2279	2282	rBV	164488	235636	13.29%	1.644%
55	16.159	2347	2350	2355	rVB	74669	112509	6.35%	0.785%
56	16.706	2439	2443	2449	rBV3	53970	88844	5.01%	0.620%
57	17.353	2546	2553	2565	rBV3	182165	487794	27.52%	3.404%
58	17.559	2584	2588	2593	rBV5	21769	46487	2.62%	0.324%
59	17.848	2632	2637	2647	rBV2	108605	306942	17.31%	2.142%

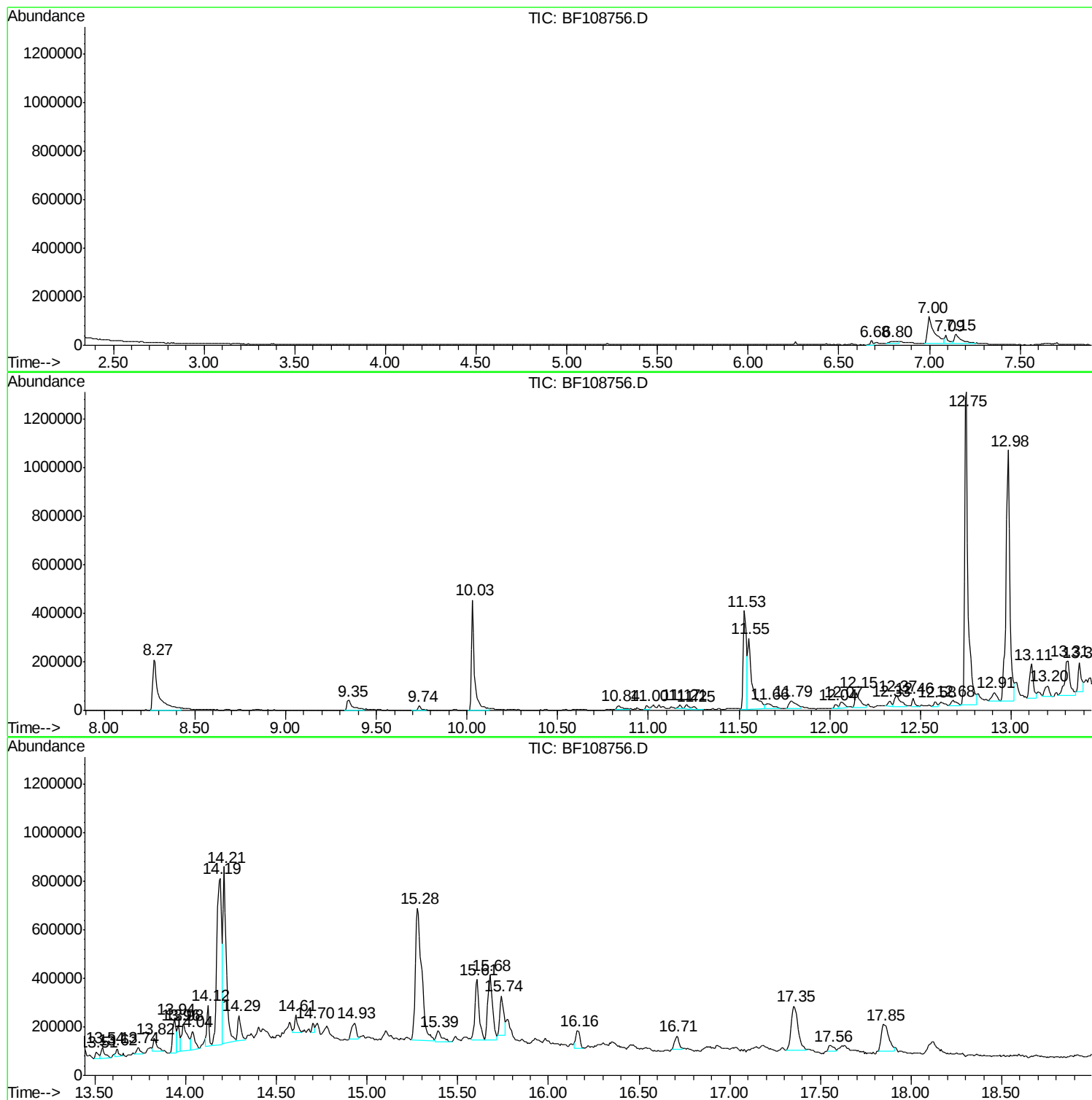
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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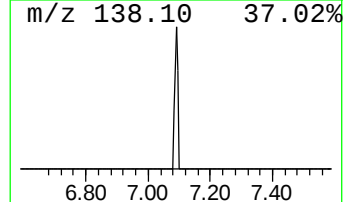
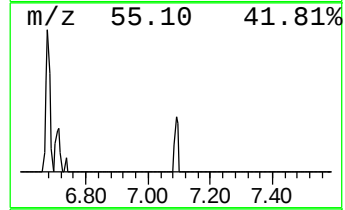
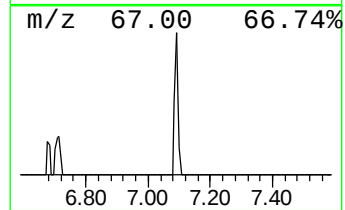
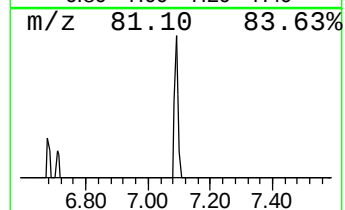
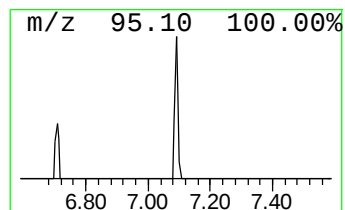
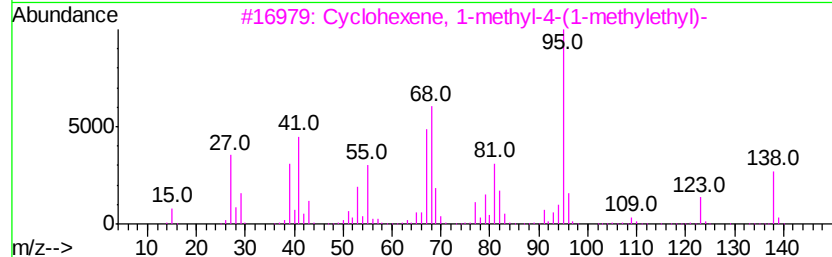
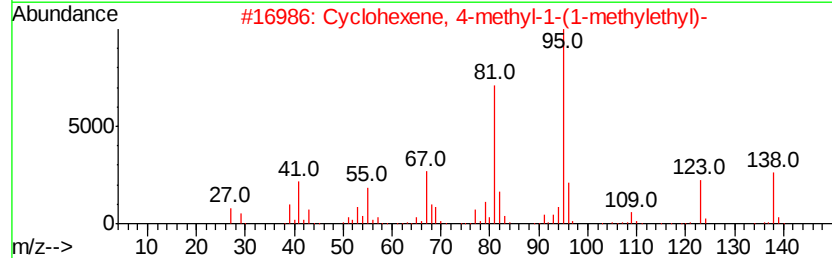
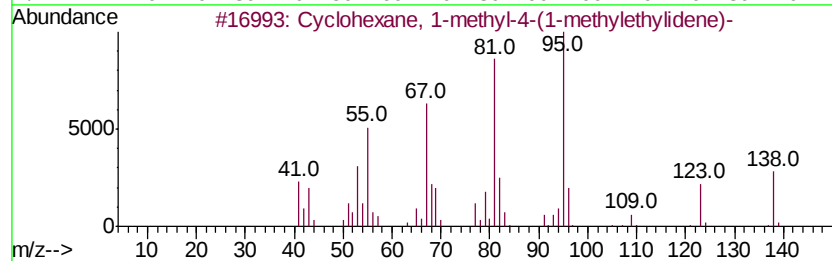
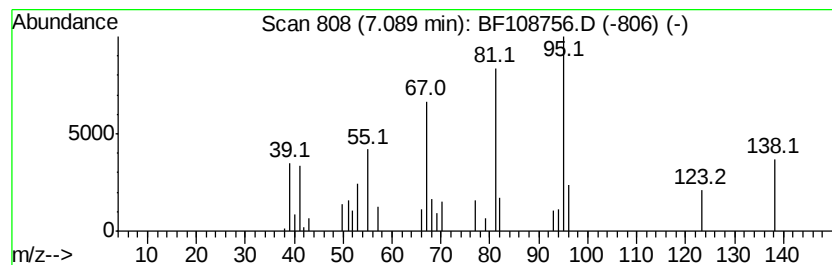
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.09	3.21 ng	47129	1,4-Dichlorobenzene-d4	7.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-4-(1-methyl-4-(1-methylethylidene)-1-methylethyl)-	138	C10H18	001124-27-2	90
2		Cyclohexene, 4-methyl-1-(1-methyl-4-(1-methylethylidene)-1-methylethyl)-	138	C10H18	000500-00-5	83
3		Cyclohexene, 1-methyl-4-(1-methyl-4-(1-methylethylidene)-1-methylethyl)-	138	C10H18	005502-88-5	64
4		Cyclohexene, 4-methyl-1-(1-methyl-4-(1-methylethylidene)-1-methylethyl)-	138	C10H18	000619-52-3	64
5		1,4-Pentadiene, 2,3,4-trimethyl-	110	C8H14	072014-90-5	43



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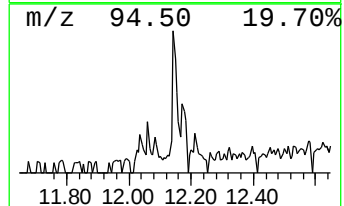
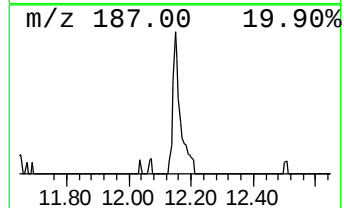
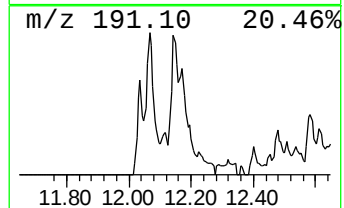
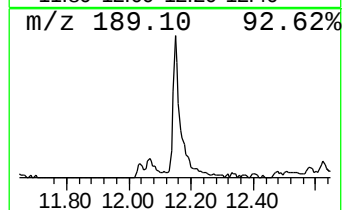
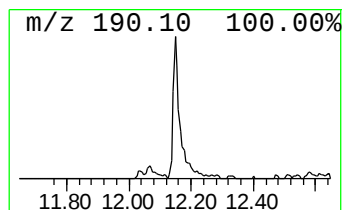
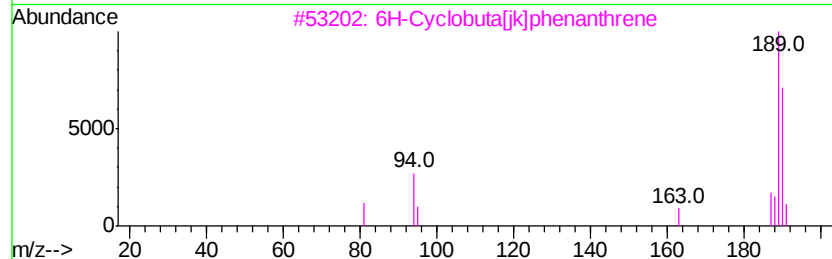
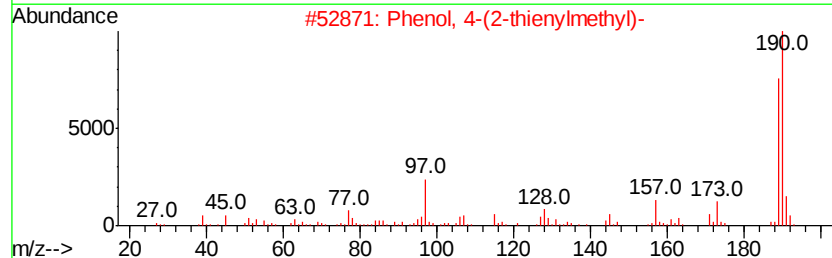
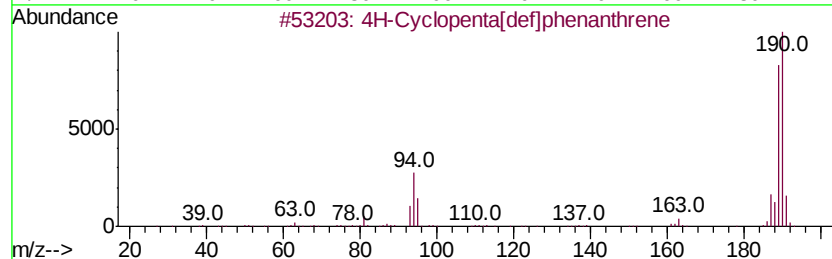
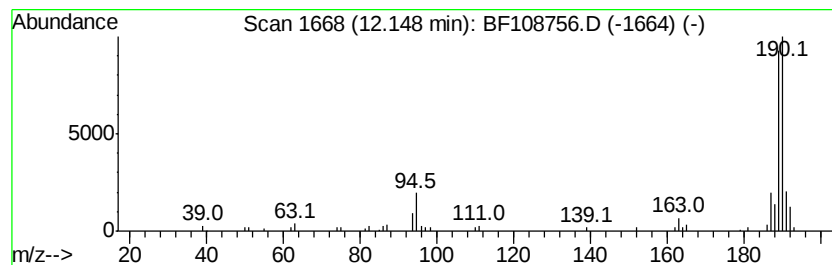
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	5.01 ng	110373	Phenanthrene-d10	11.53

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2		Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	59
3		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	56
4		Methyl diselenide	190	C2H6Se2	007101-31-7	55
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45



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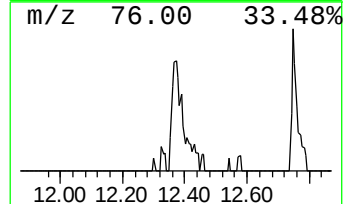
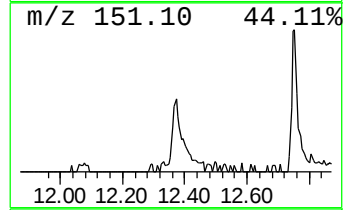
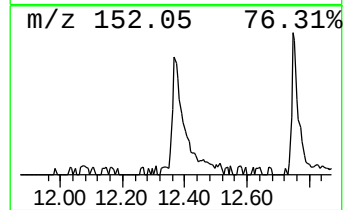
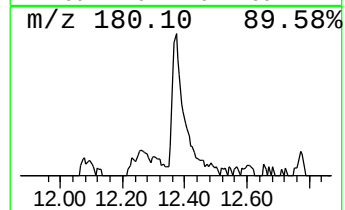
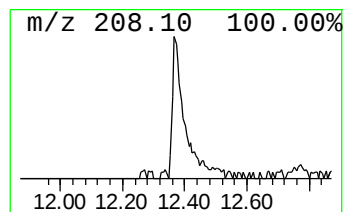
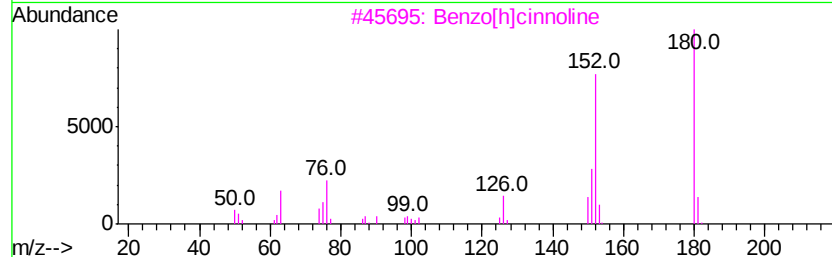
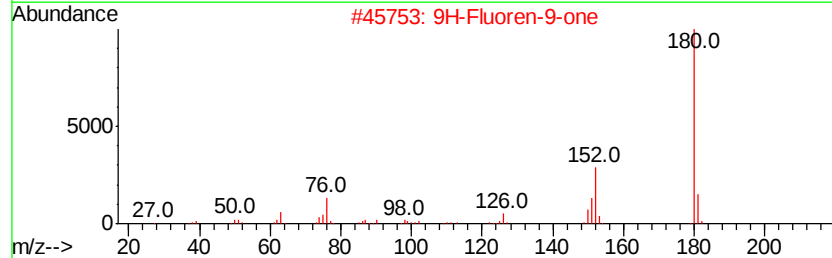
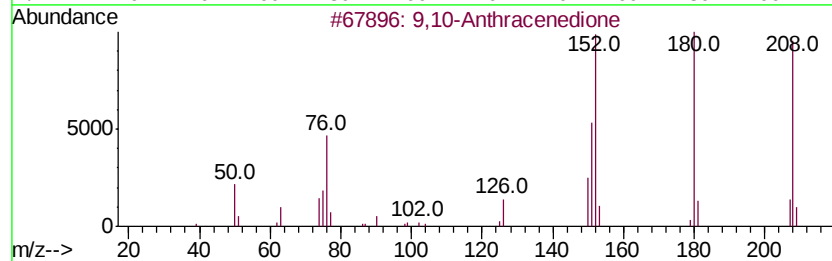
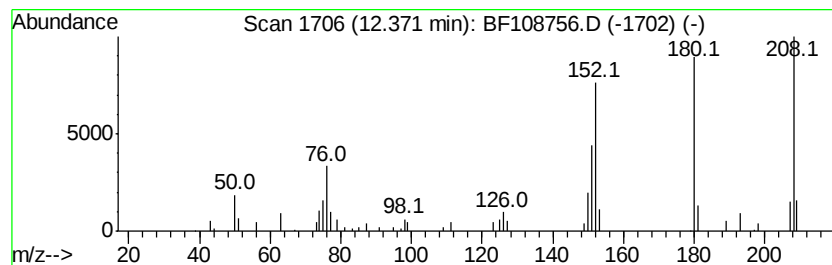
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 4 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.37	4.39 ng	96564	Phenanthrene-d10		11.53
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	70



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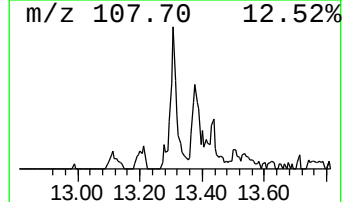
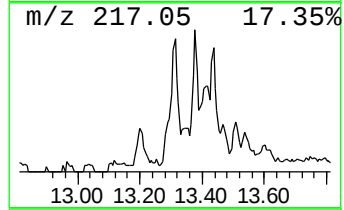
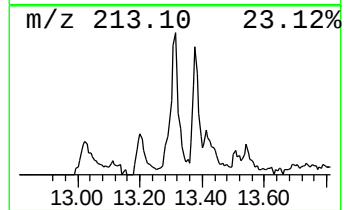
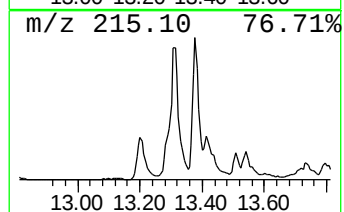
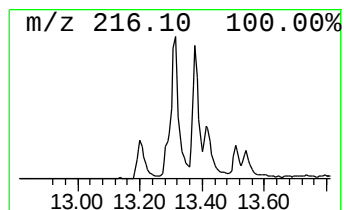
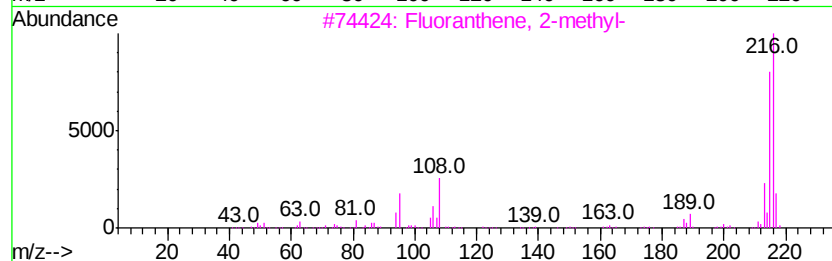
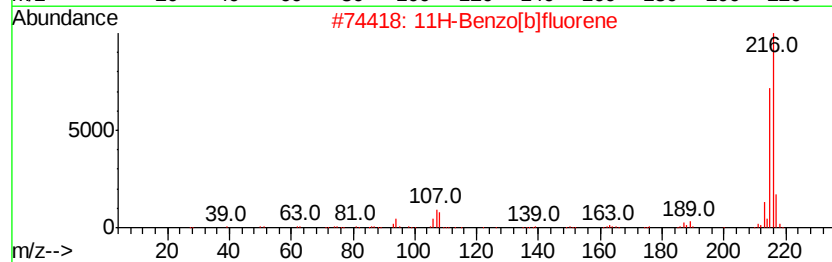
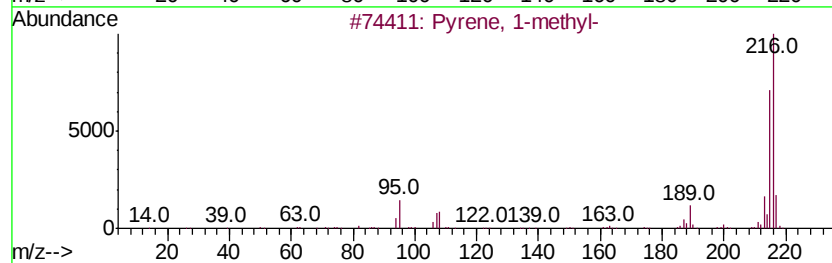
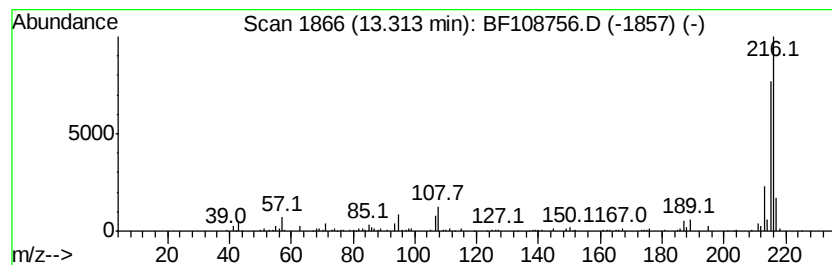
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 5 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	4.53 ng	281067	Chrysene-d12	14.19

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



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DW-11

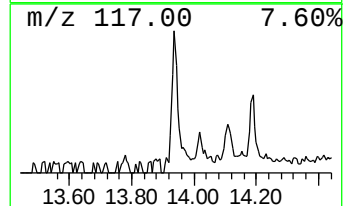
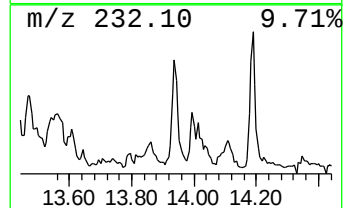
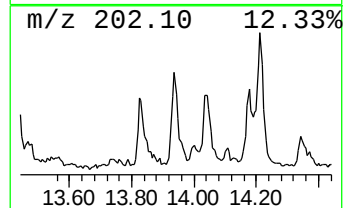
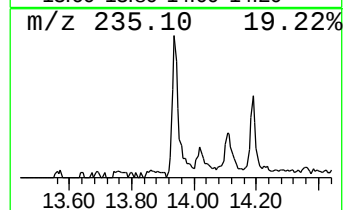
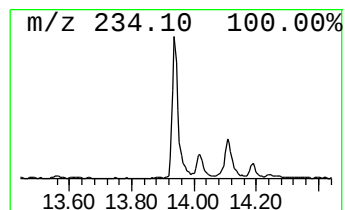
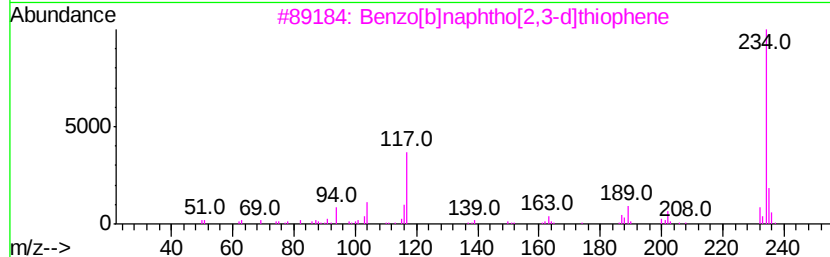
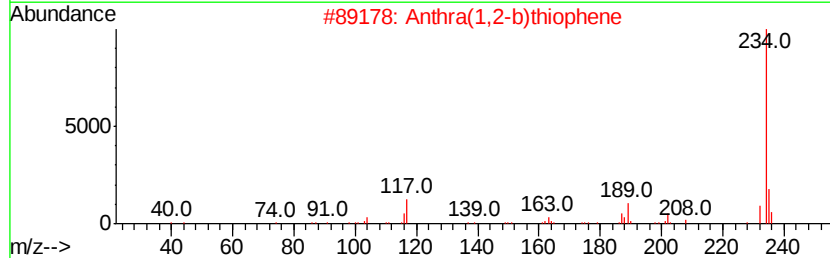
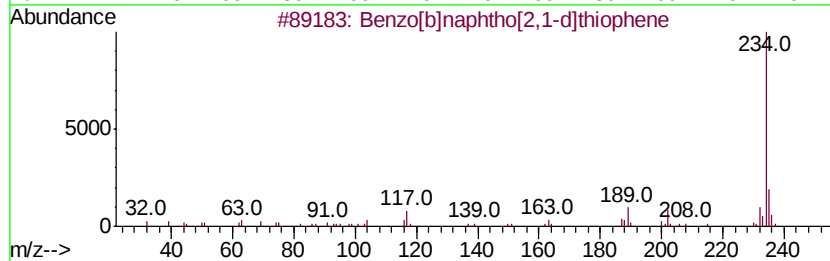
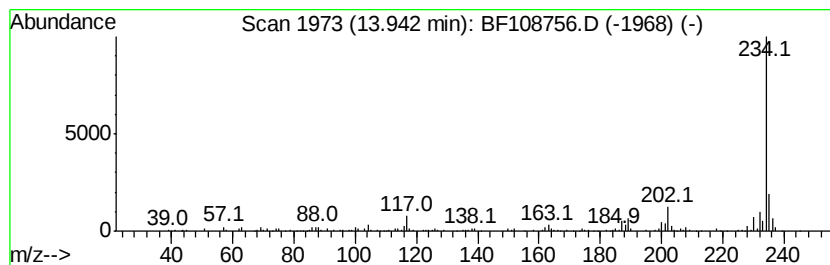
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	2.68 ng	166412	Chrysene-d12	14.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2			Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	91
3			Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
4			Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	89
5			Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108756.D
Acq On : 4 Sep 2018 22:11
Operator : JU/SJ
Sample : J4748-06 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

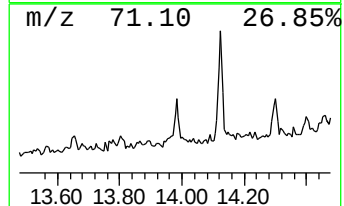
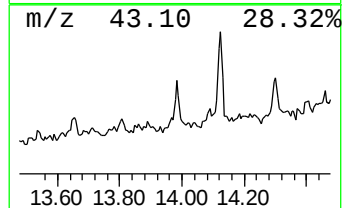
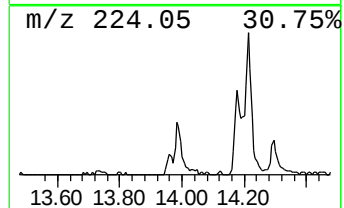
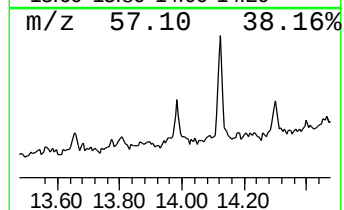
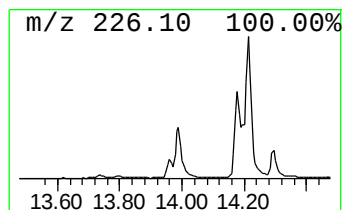
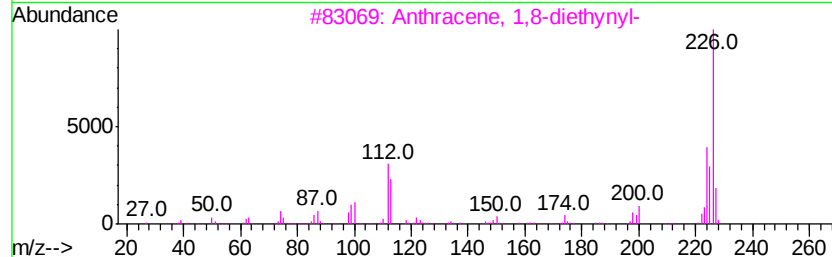
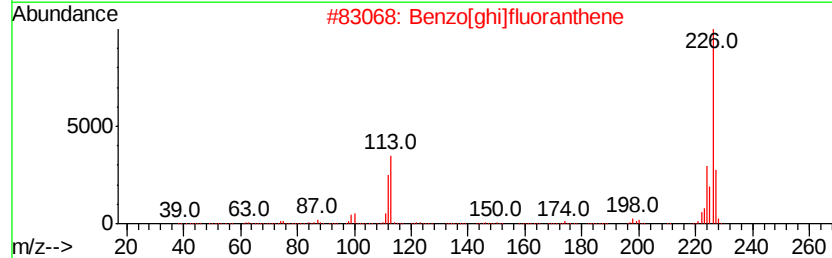
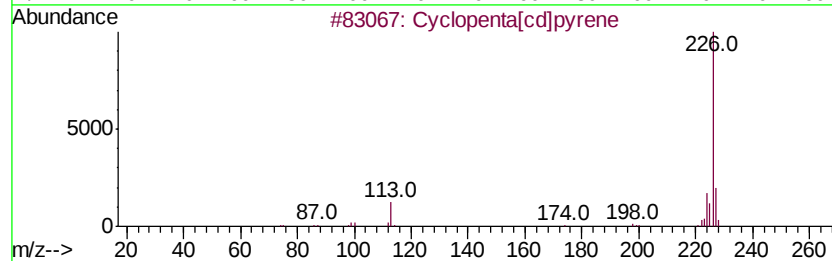
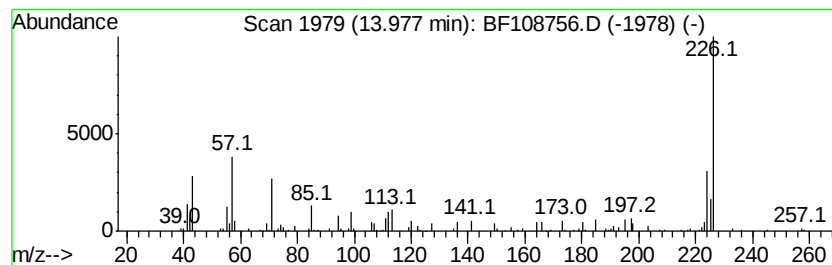
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Cyclopenta[cd]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.98	3.79 ng	234805	Chrysene-d12		14.19	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclopenta[cd]pvrene	226	C18H10	027208-37-3	62
2		Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	49
3		Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	28
4		Diheptylisobutylamine	269	C18H39N	1000310-32-0	25
5		1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108756.D
Acq On : 4 Sep 2018 22:11
Operator : JU/SJ
Sample : J4748-06 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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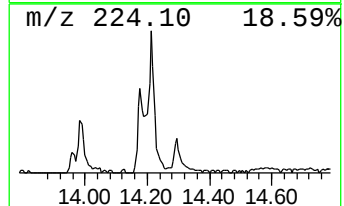
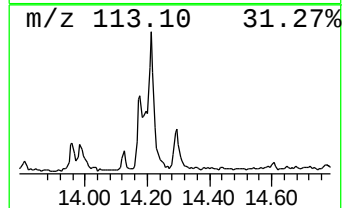
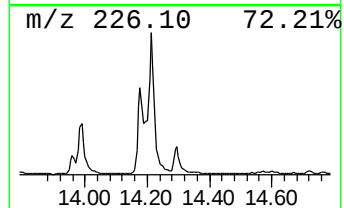
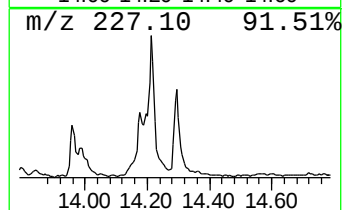
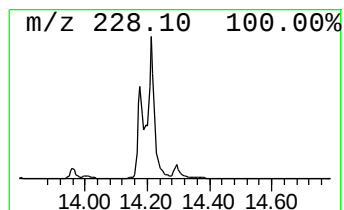
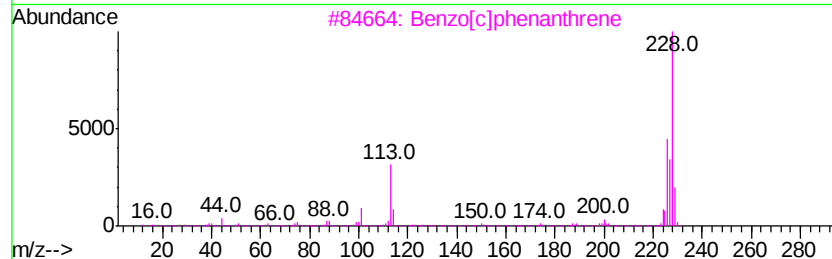
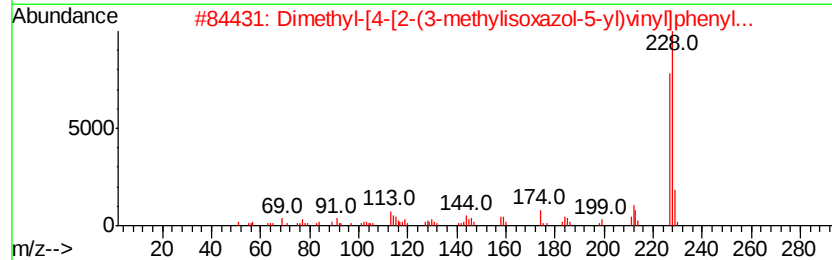
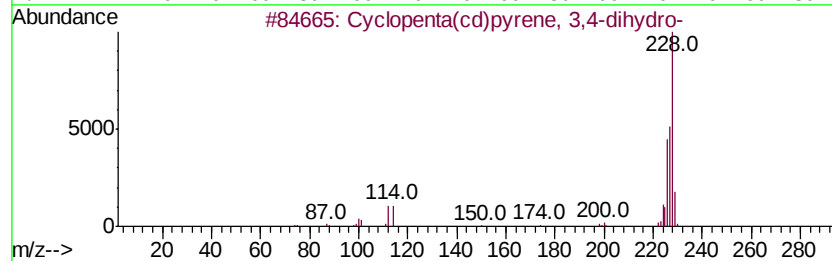
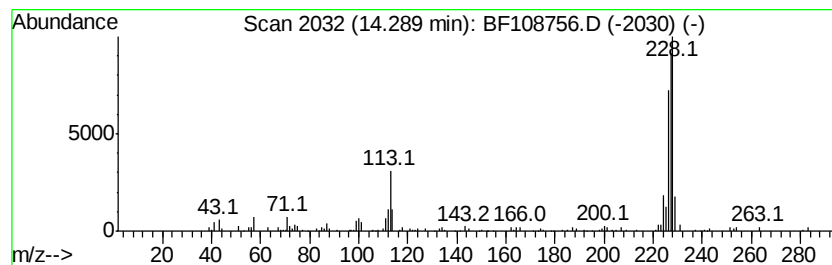
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	2.05 ng	126888	Chrysene-d12	14.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
2		Dimethyl-[4-[2-(3-methylisoxazol-5-yl)vinyl]phenyl]...	228	C14H16N2O	1000306-39-6	47
3		Benzo[c]phenanthrene	228	C18H12	000195-19-7	45
4		Triphenylene	228	C18H12	000217-59-4	38
5		Chrysene	228	C18H12	000218-01-9	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108756.D
Acq On : 4 Sep 2018 22:11
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Sample : J4748-06 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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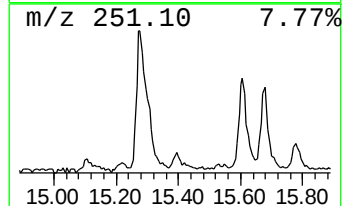
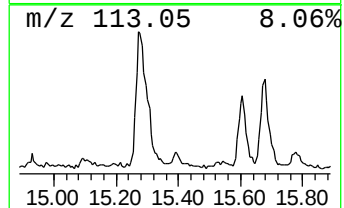
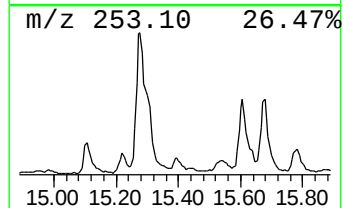
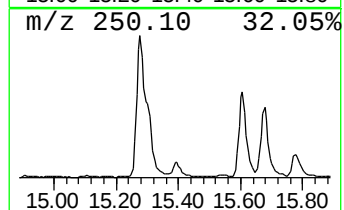
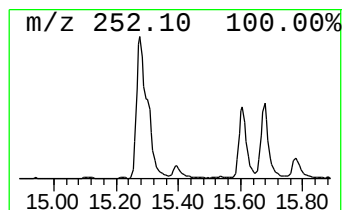
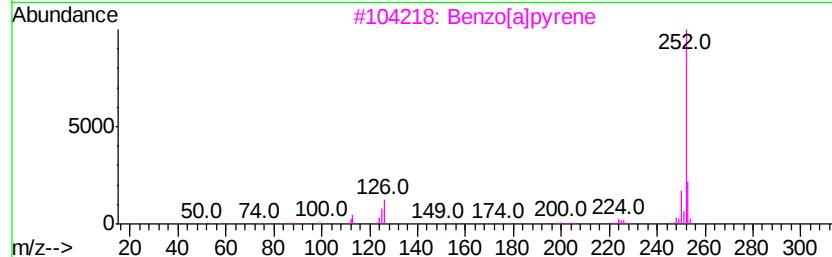
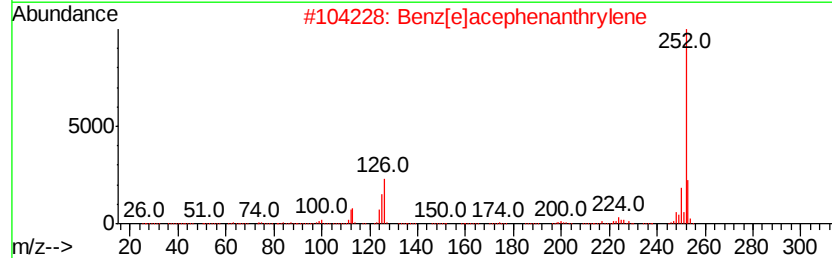
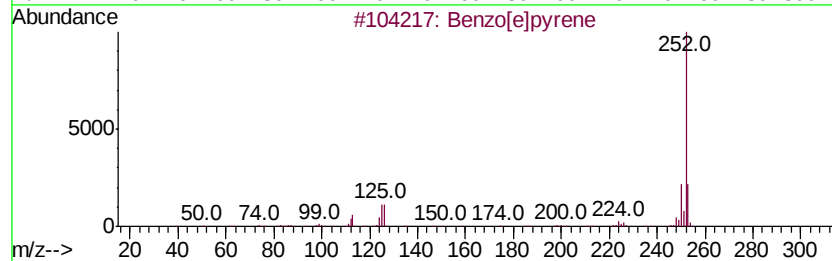
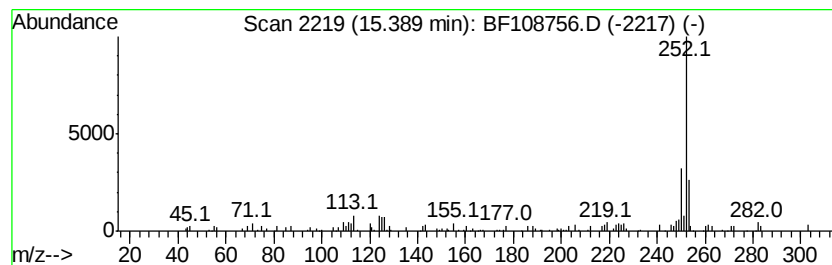
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	8.17 ng	96314	Perylene-d12	15.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	89
3		Benzo[a]pyrene	252	C20H12	000050-32-8	76
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
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Instrument :
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ClientSampleId :
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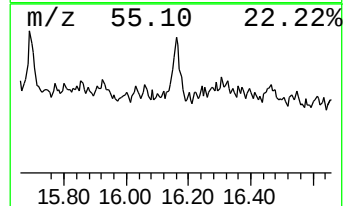
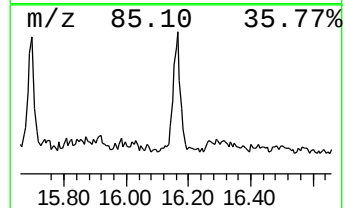
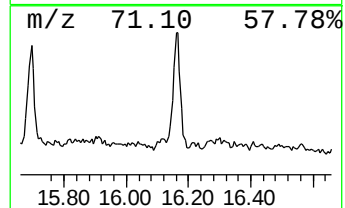
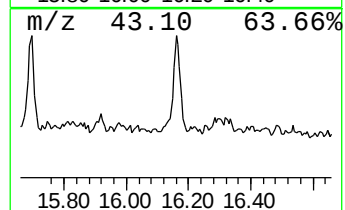
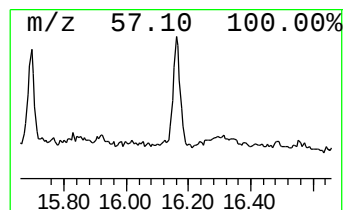
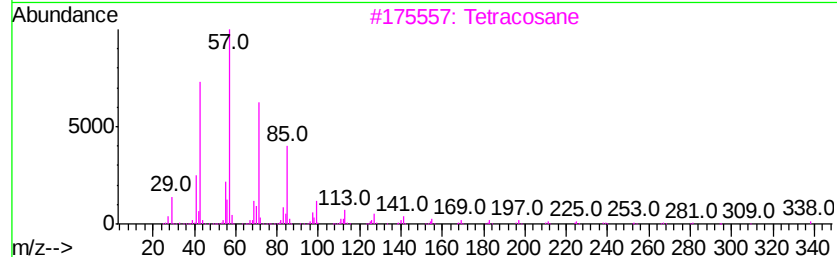
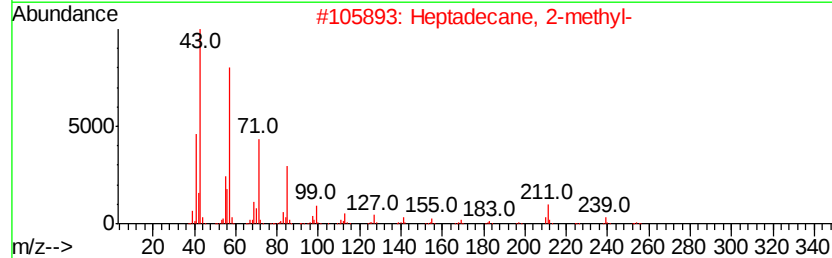
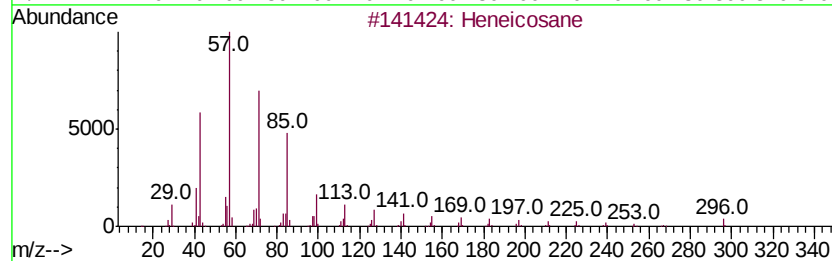
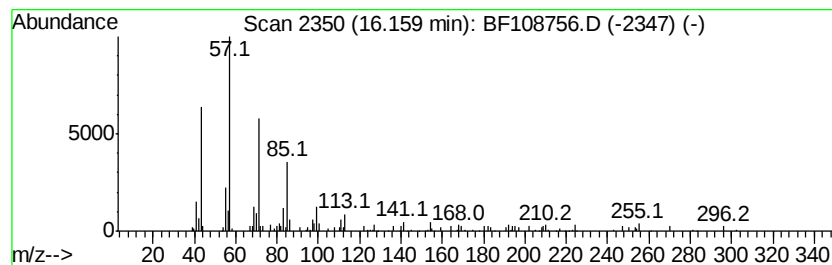
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Heneicosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	9.55 ng	112509	Perylene-d12	15.74

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane	296	C21H44	000629-94-7	89
2			Heptadecane, 2-methyl-	254	C18H38	001560-89-0	83
3			Tetracosane	338	C24H50	000646-31-1	74
4			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	72
5			Hentriacontane	437	C31H64	000630-04-6	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
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Misc :
ALS Vial : 24 Sample Multiplier: 1

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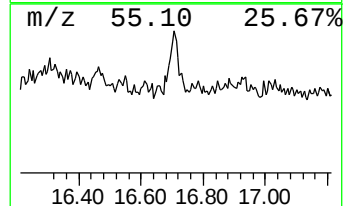
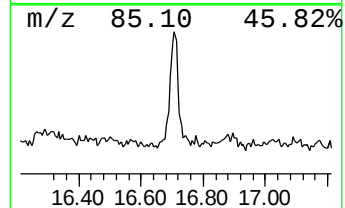
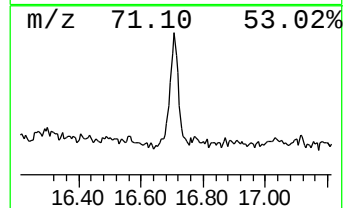
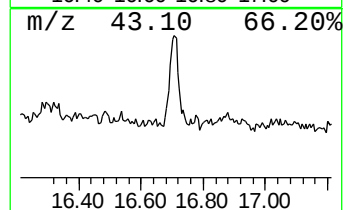
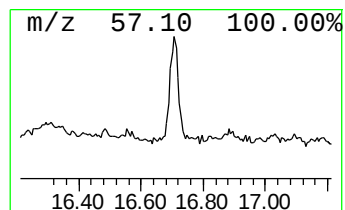
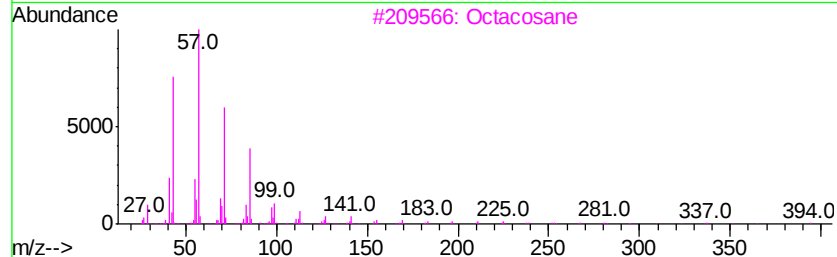
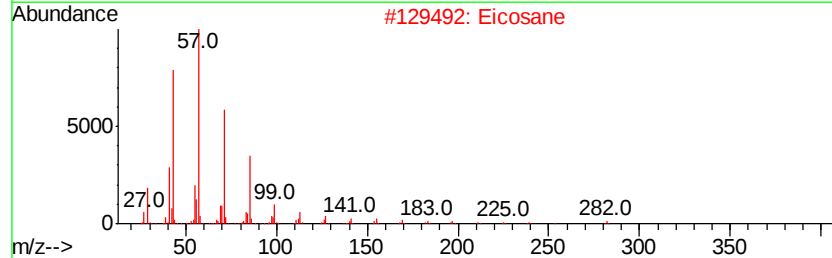
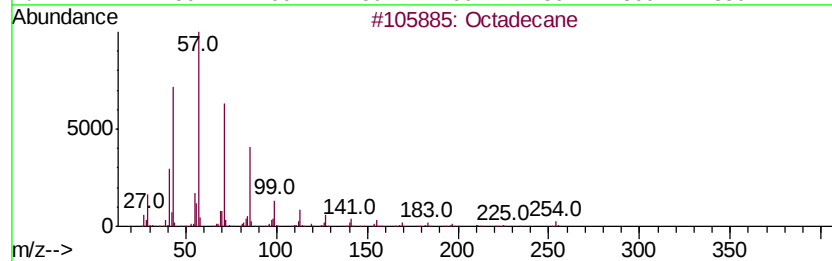
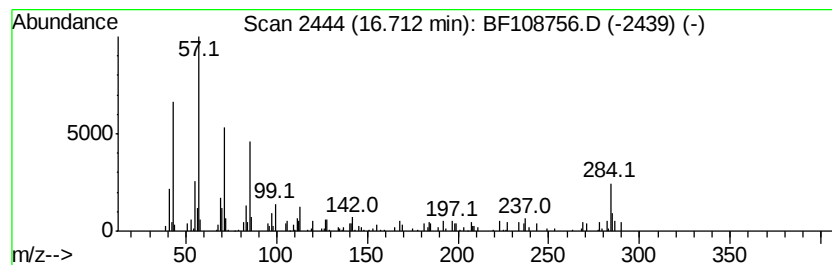
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Octadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.71	7.54 ng	88844	Perylene-d12	15.74

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane	254	C18H38	000593-45-3	78
2			Eicosane	282	C20H42	000112-95-8	78
3			Octacosane	394	C28H58	000630-02-4	60
4			Octadecane, 5,14-dibutyl-	366	C26H54	055282-13-8	53
5			Heneicosane	296	C21H44	000629-94-7	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
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ClientSampleId :
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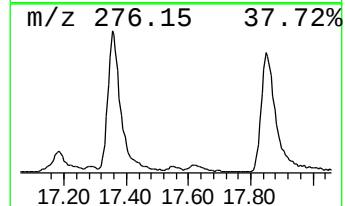
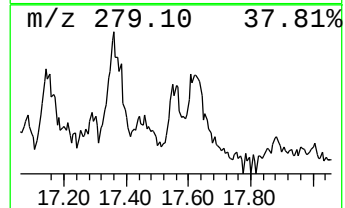
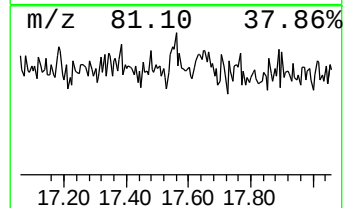
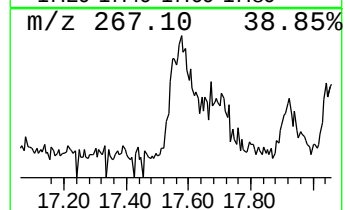
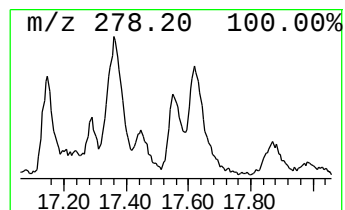
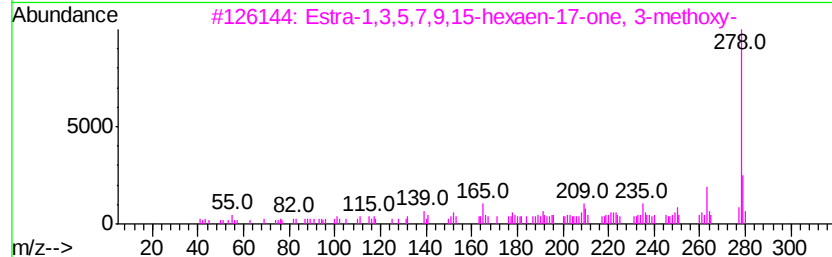
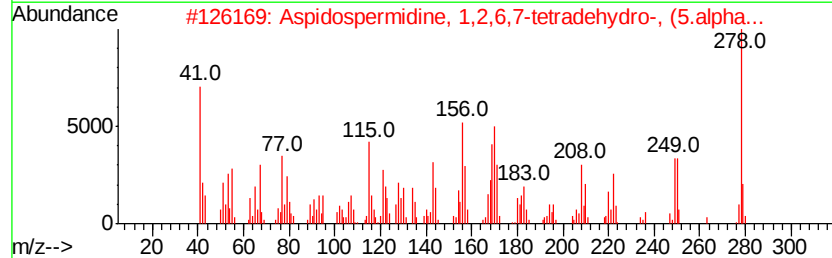
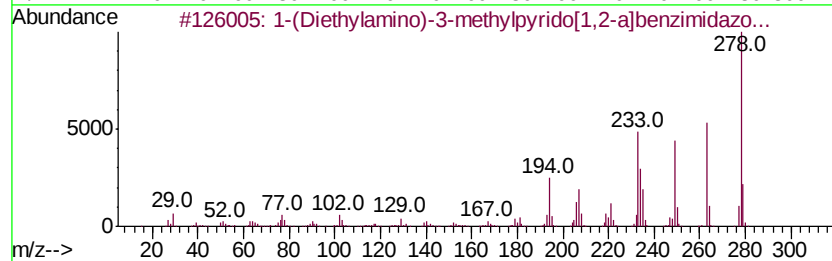
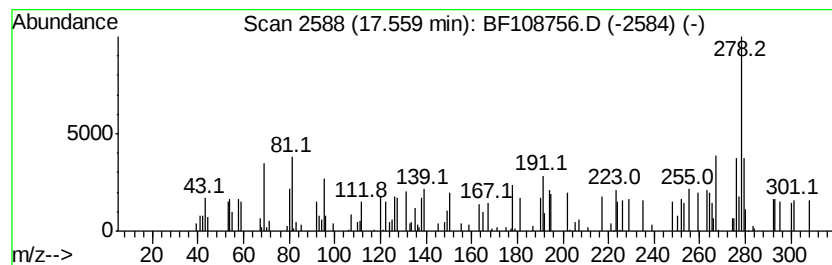
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 unknown17.56 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.56	3.95 ng	46487	Perylene-d12	15.74

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-(Diethylamino)-3-methylpyrido[...]	278	C17H18N4	1000331-84-4	43
2			Aspidospermidine, 1,2,6,7-tetrad...	278	C19H22N2	032975-46-5	38
3			Estra-1,3,5,7,9,15-hexaen-17-one...	278	C19H18O2	056588-53-5	38
4			Pentacene	278	C22H14	000135-48-8	38
5			8-Methoxy-11-methyl-11H-indolo[3...	278	C17H14N2O2	116618-53-2	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090418\
 Data File : BF108756.D
 Acq On : 4 Sep 2018 22:11
 Operator : JU/SJ
 Sample : J4748-06 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.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
Cyclohexane, 1-me...	7.09	3.2	ng	47129	1	7.00	293556	20.0
4H-Cyclopenta[def...	12.15	5.0	ng	110373	4	11.53	440384	20.0
9,10-Anthracenedione	12.37	4.4	ng	96564	4	11.53	440384	20.0
Pyrene, 1-methyl-	13.31	4.5	ng	281067	5	14.19	1240380	20.0
Benzo[b]naphtho[2...	13.94	2.7	ng	166412	5	14.19	1240380	20.0
Cyclopenta[cd]pyrene	13.98	3.8	ng	234805	5	14.19	1240380	20.0
Cyclopenta(cd)pyr...	14.29	2.0	ng	126888	5	14.19	1240380	20.0
Benzo[e]pyrene	15.39	8.2	ng	96314	6	15.74	235636	20.0
Heneicosane	16.16	9.6	ng	112509	6	15.74	235636	20.0
Octadecane	16.71	7.5	ng	88844	6	15.74	235636	20.0
unknown17.56	17.56	4.0	ng	46487	6	15.74	235636	20.0