

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072418\
 Data File : BF107617.D
 Acq On : 24 Jul 2018 14:30
 Operator : JU/SJ
 Sample : J4096-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-4

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-BF072018.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	5.207	484	488	499	rBV	525709	775371	7.09%	0.534%
2	5.601	551	555	583	rBV	3346468	5199982	47.54%	3.583%
3	6.607	721	726	744	rBV	3431757	5201019	47.55%	3.583%
4	6.742	744	749	768	rVB	4587640	5358239	48.99%	3.692%
5	6.966	784	787	804	rBV	1464418	1744918	15.95%	1.202%
6	7.119	809	813	829	rBV	3392844	3952574	36.14%	2.723%
7	7.531	879	883	902	rBV	2790350	3560084	32.55%	2.453%
8	8.213	996	999	1001	rBV	180308	148264	1.36%	0.102%
9	8.248	1001	1005	1011	rVV	2202792	2220000	20.30%	1.530%
10	8.289	1011	1012	1025	rVB	145742	169935	1.55%	0.117%
11	9.248	1173	1175	1179	rVB	166114	143961	1.32%	0.099%
12	9.325	1183	1188	1196	rBV	4890016	5328942	48.72%	3.672%
13	9.389	1196	1199	1203	rVB	165812	195471	1.79%	0.135%
14	9.589	1228	1233	1237	rBV3	64834	123206	1.13%	0.085%
15	9.707	1248	1253	1261	rVV2	638645	828733	7.58%	0.571%
16	9.866	1273	1280	1282	rBV6	107362	144341	1.32%	0.099%
17	9.913	1285	1288	1293	rVB3	129336	153909	1.41%	0.106%
18	10.007	1298	1304	1308	rVV	2457452	2477120	22.65%	1.707%
19	10.036	1308	1309	1317	rVB	218515	291947	2.67%	0.201%
20	10.107	1317	1321	1325	rBV2	84447	138558	1.27%	0.095%
21	10.154	1325	1329	1331	rBV4	103566	156920	1.43%	0.108%
22	10.207	1335	1338	1342	rVV2	217911	303078	2.77%	0.209%
23	10.242	1342	1344	1348	rVB3	189992	226946	2.07%	0.156%
24	10.319	1354	1357	1360	rBV	162059	202052	1.85%	0.139%
25	10.348	1360	1362	1368	rVB3	116323	176317	1.61%	0.121%
26	10.413	1369	1373	1377	rBV3	199923	294703	2.69%	0.203%
27	10.560	1394	1398	1404	rBV	581763	679486	6.21%	0.468%
28	10.636	1407	1411	1414	rBV2	788640	875393	8.00%	0.603%
29	10.689	1418	1420	1422	rBV2	155848	144394	1.32%	0.099%
30	10.713	1422	1424	1429	rVB	235497	249122	2.28%	0.172%
31	10.801	1435	1439	1452	rBV2	3128826	3809753	34.83%	2.625%
32	10.907	1452	1457	1465	rVB	1600295	1916636	17.52%	1.321%
33	10.972	1465	1468	1470	rBV	370528	387560	3.54%	0.267%
34	11.036	1477	1479	1481	rBV	341127	276603	2.53%	0.191%

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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35	11.107	1485	1491	1495	rBV3	465377	760920	6.96%	0.524%
36	11.189	1502	1505	1507	rVB	390314	313640	2.87%	0.216%
37	11.230	1507	1512	1515	rBV3	292274	437747	4.00%	0.302%
38	11.342	1528	1531	1533	rBV2	290572	310764	2.84%	0.214%
39	11.372	1533	1536	1539	rVV	1093845	1141732	10.44%	0.787%
40	11.401	1539	1541	1548	rVB	681783	718147	6.57%	0.495%
41	11.507	1552	1559	1560	rBV	2122909	2289760	20.93%	1.578%
42	11.536	1560	1564	1567	rVV	6944291	7879789	72.04%	5.429%
43	11.583	1569	1572	1576	rBV	3720434	3323980	30.39%	2.290%
44	11.725	1593	1596	1597	rBV	384783	370020	3.38%	0.255%
45	12.019	1640	1646	1647	rBV2	1709367	2313931	21.15%	1.594%
46	12.083	1654	1657	1660	rVV	412761	413777	3.78%	0.285%
47	12.119	1660	1663	1671	rVB2	2402734	3126979	28.59%	2.154%
48	12.301	1691	1694	1697	rBV	630311	640083	5.85%	0.441%
49	12.330	1697	1699	1702	rVB	244997	209917	1.92%	0.145%
50	12.554	1735	1737	1741	rBV2	321310	389739	3.56%	0.269%
51	12.736	1762	1768	1771	rBV	7418822	10606506	96.97%	7.308%
52	12.807	1777	1780	1784	rVB	1337077	1366864	12.50%	0.942%
53	12.877	1789	1792	1795	rVB	409458	389172	3.56%	0.268%
54	12.966	1800	1807	1811	rBV3	6515534	10938050	100.00%	7.536%
55	13.001	1811	1813	1819	rVB2	573789	672408	6.15%	0.463%
56	13.089	1823	1828	1831	rVV2	3687510	3546605	32.42%	2.444%
57	13.166	1838	1841	1846	rVB2	391515	678743	6.21%	0.468%
58	13.283	1858	1861	1866	rVB	1645736	1634934	14.95%	1.126%
59	13.348	1869	1872	1875	rBV	1745243	1610665	14.73%	1.110%
60	13.507	1897	1899	1908	rBV4	344951	522175	4.77%	0.360%
61	13.601	1913	1915	1918	rVB	439366	345017	3.15%	0.238%
62	13.636	1919	1921	1924	rBV2	327300	368043	3.36%	0.254%
63	13.907	1964	1967	1969	rBV	704207	686895	6.28%	0.473%
64	13.930	1969	1971	1973	rVV	717218	680722	6.22%	0.469%
65	13.971	1973	1978	1985	rVB4	1043637	2064550	18.87%	1.422%
66	14.107	1999	2001	2004	rBV	1033494	1068807	9.77%	0.736%
67	14.154	2004	2009	2012	rVV2	3590424	6268479	57.31%	4.319%
68	14.189	2012	2015	2022	rVB	3862386	4168711	38.11%	2.872%
69	14.266	2025	2028	2033	rBV	1382304	1562471	14.28%	1.077%
70	14.695	2099	2101	2105	rVB	760896	689892	6.31%	0.475%
71	15.242	2189	2194	2197	rBV	2895614	5352837	48.94%	3.688%

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72	15.354	2210	2213	2220	rVB	707484	930043	8.50%	0.641%
73	15.565	2245	2249	2255	rVB	2087423	3231246	29.54%	2.226%
74	15.636	2256	2261	2266	rVV	2795348	4334012	39.62%	2.986%
75	15.701	2269	2272	2275	rVV	1054840	1586564	14.50%	1.093%
76	15.730	2275	2277	2284	rVB	1055510	1454513	13.30%	1.002%
77	17.289	2536	2542	2550	rVB2	1450261	3238228	29.61%	2.231%
78	17.771	2617	2624	2634	rVB	1100384	2646124	24.19%	1.823%

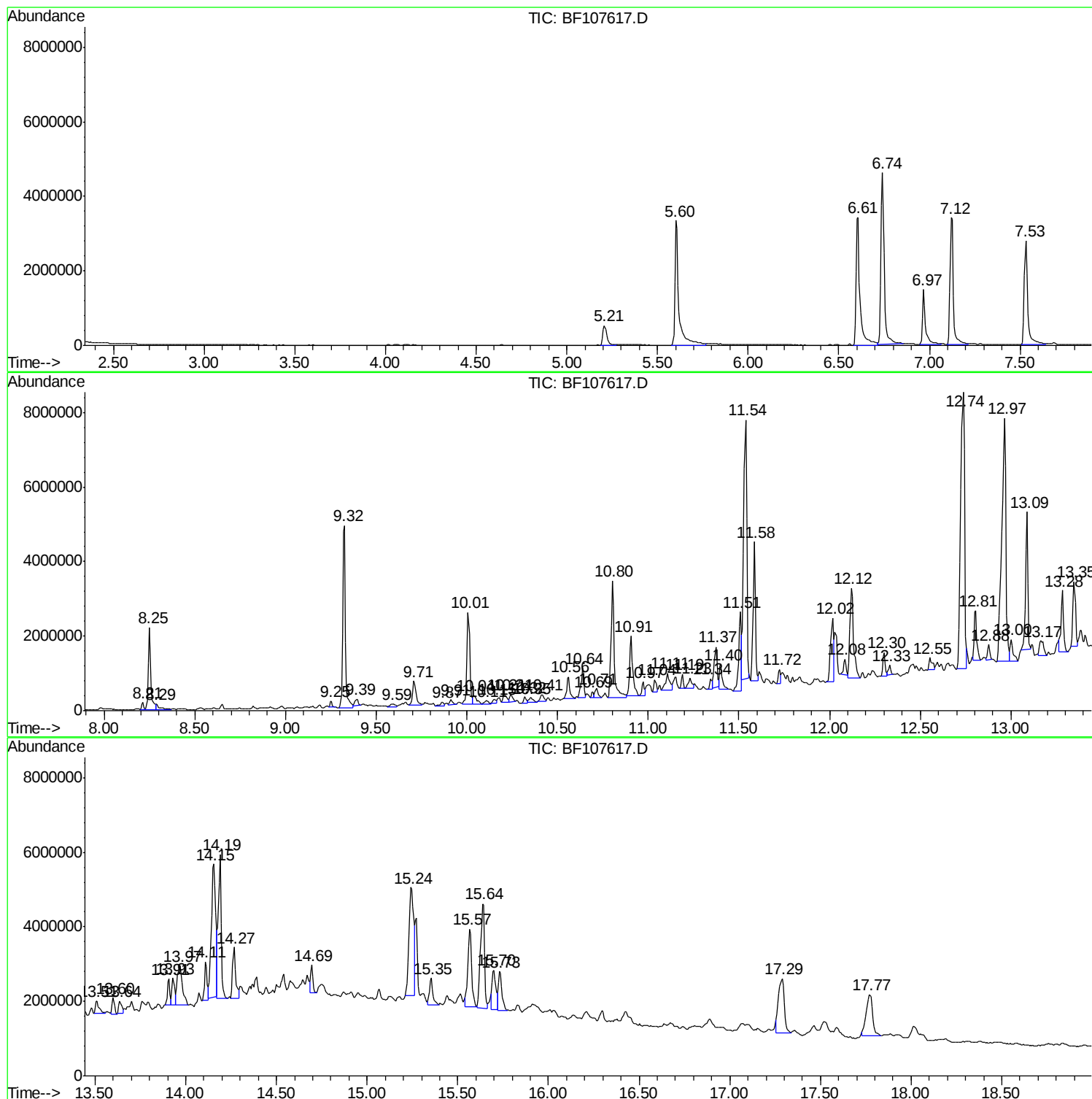
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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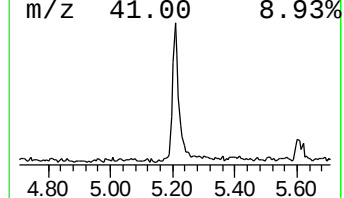
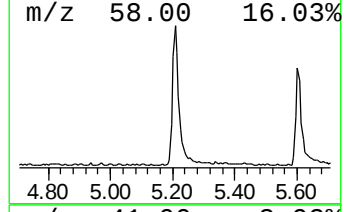
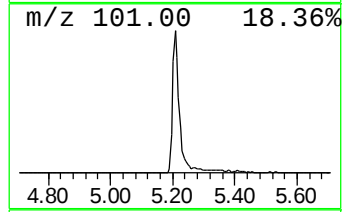
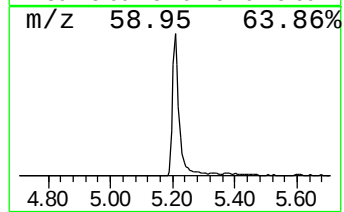
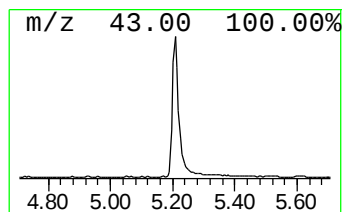
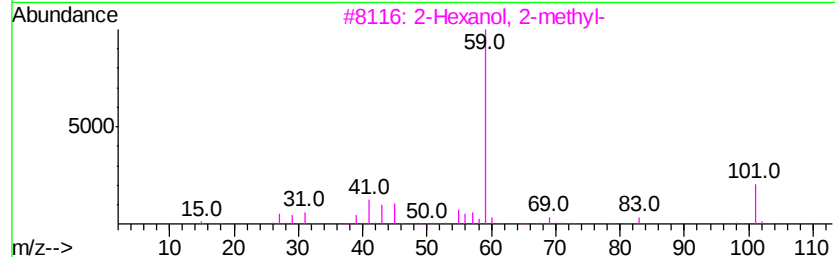
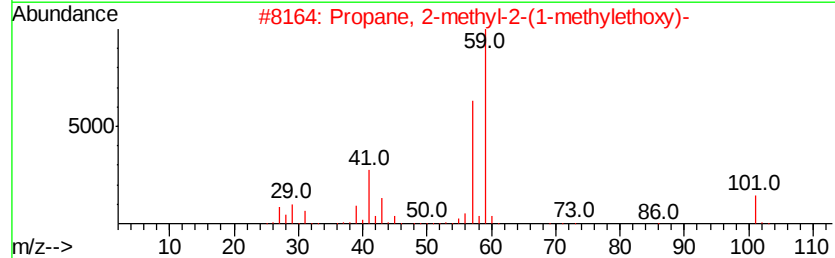
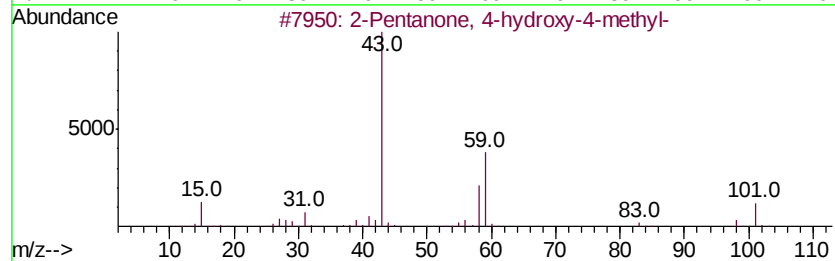
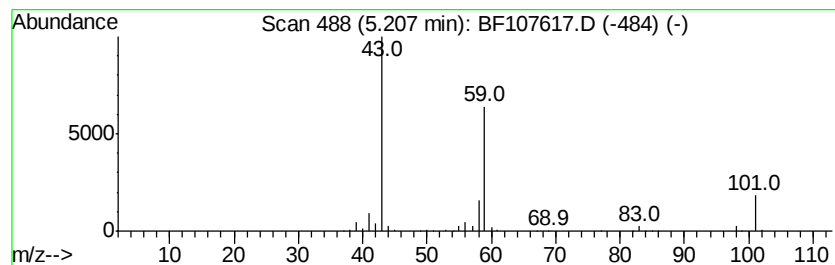
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	8.89 ng	775371	1,4-Dichlorobenzene-d4	6.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
3			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
5			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	25



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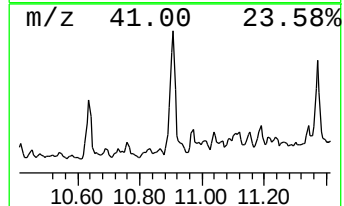
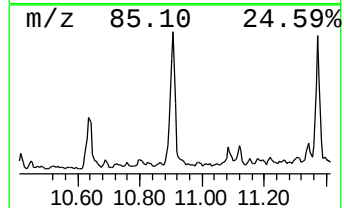
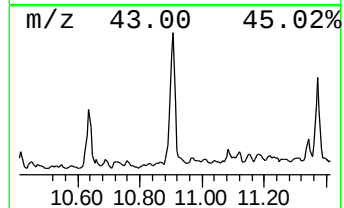
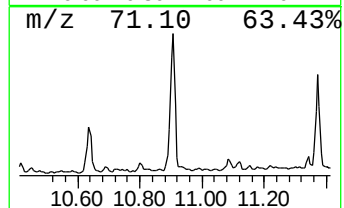
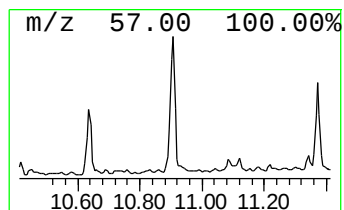
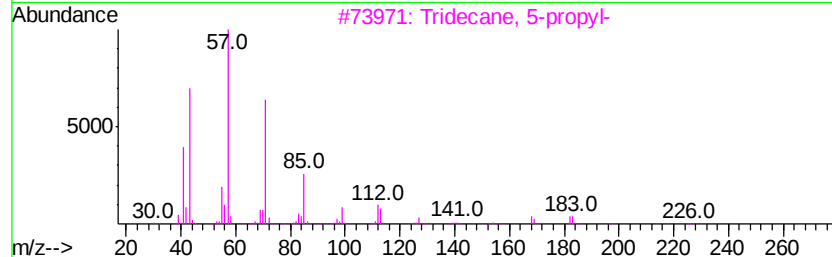
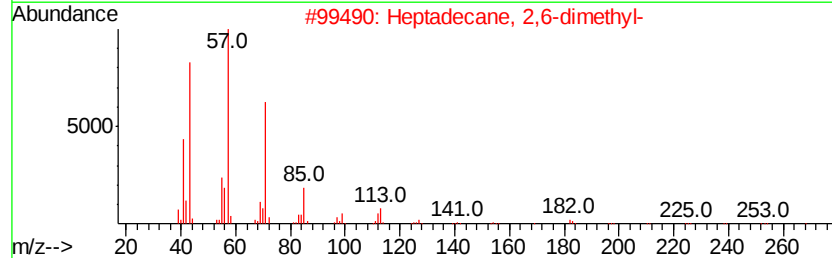
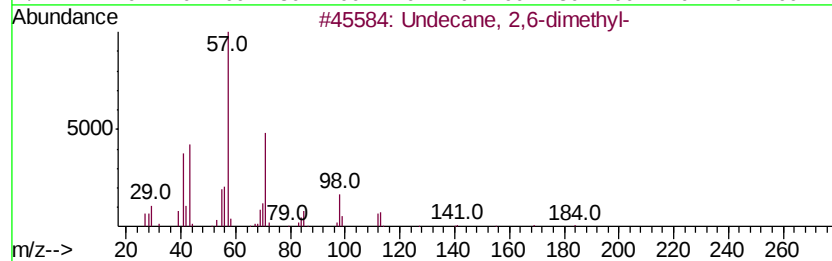
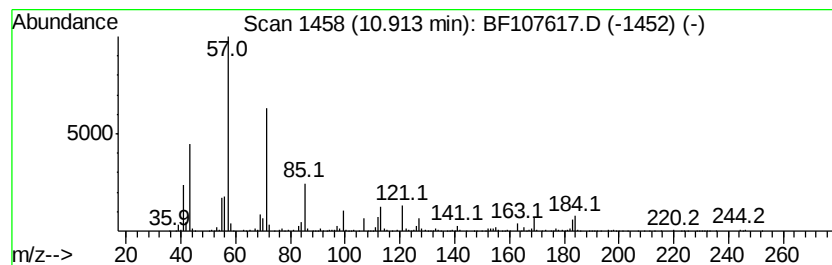
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Undecane, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	16.74 ng	1916640	Phenanthrene-d10	11.51

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-		184	C13H28	017301-23-4	81
2	Heptadecane, 2,6-dimethyl-		268	C19H40	054105-67-8	78
3	Tridecane, 5-propyl-		226	C16H34	055045-11-9	78
4	Tridecane		184	C13H28	000629-50-5	72
5	Dodecane, 2,7,10-trimethyl-		212	C15H32	074645-98-0	64



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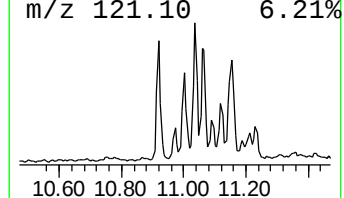
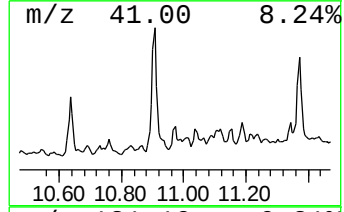
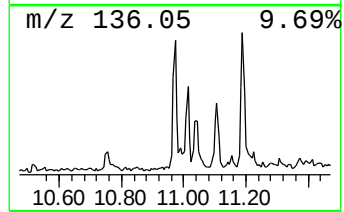
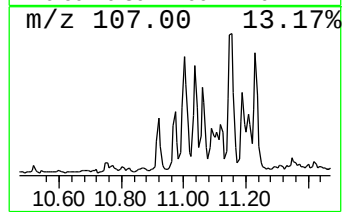
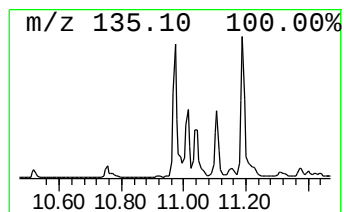
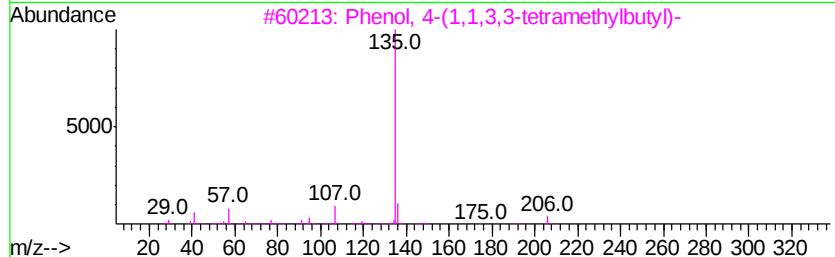
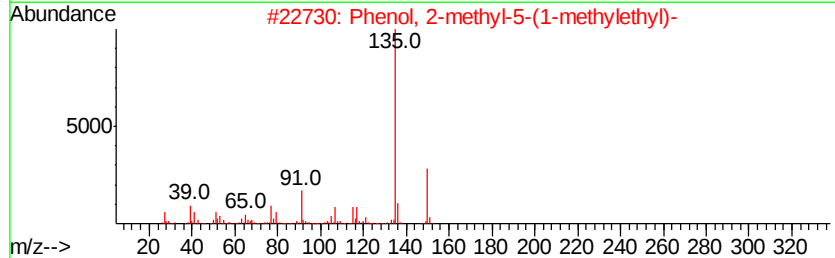
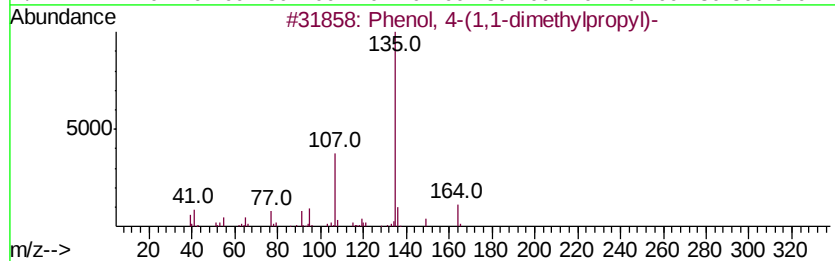
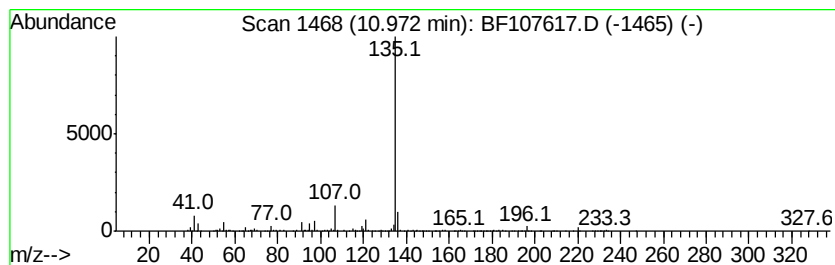
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Phenol, 4-(1,1-dimethylprop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	3.39 ng	387560	Phenanthrene-d10	11.51

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	72	
2	Phenol, 2-methyl-5-(1-methylethyl)-	150	C10H14O	000499-75-2	72	
3	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	72	
4	4-tert-Butylphenyl acetate	192	C12H16O2	003056-64-2	72	
5	Pentanoic acid, 5-hydroxy-, p-t-...	250	C15H22O3	166273-37-6	64	



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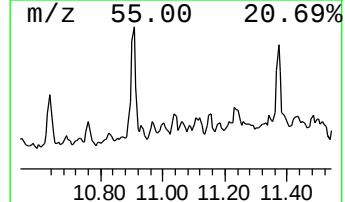
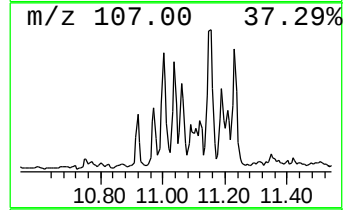
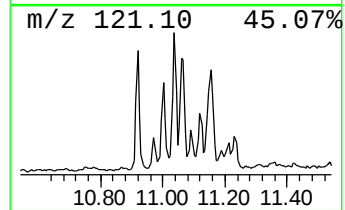
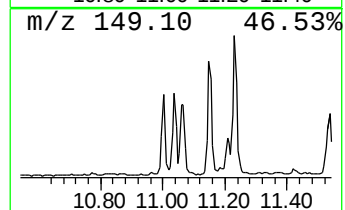
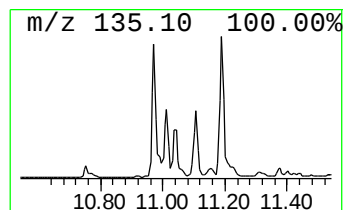
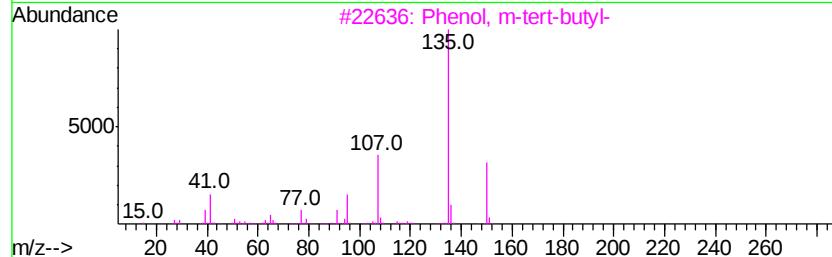
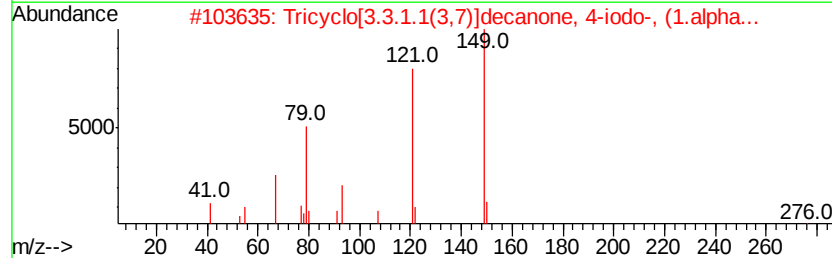
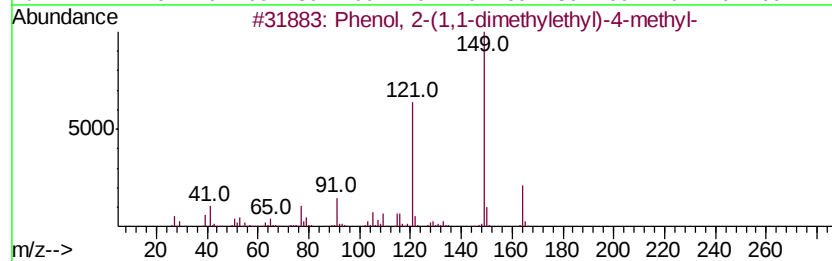
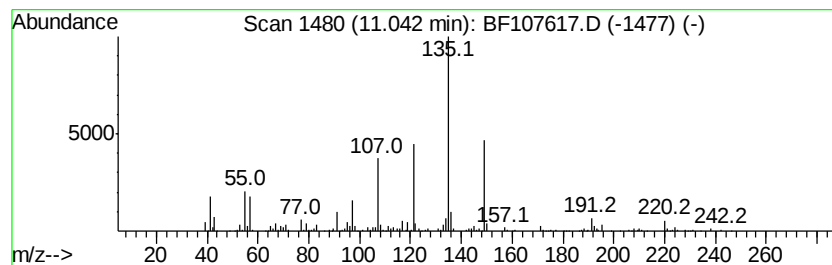
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown11.04 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	2.42 ng	276603	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenol, 2-(1,1-dimethylethyl)-4-...	164	C11H16O	002409-55-4	38
2		Tricyclo[3.3.1.1(3,7)]decanone, ...	276	C10H13IO	056781-85-2	38
3		Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	38
4		Cyclohexene, 2-ethenyl-1,3,3-tri...	150	C11H18	005293-90-3	27
5		1H-Indole, 5-fluoro-	135	C8H6FN	000399-52-0	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107617.D
Acq On : 24 Jul 2018 14:30
Operator : JU/SJ
Sample : J4096-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

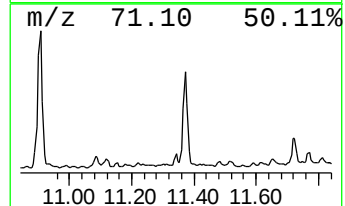
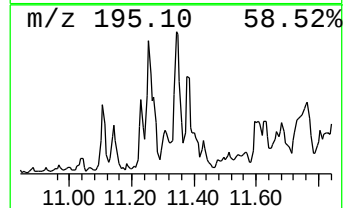
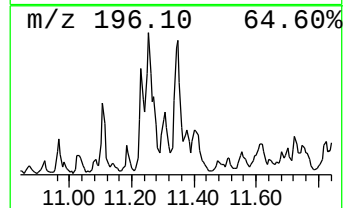
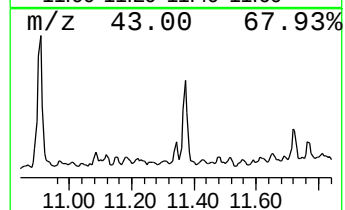
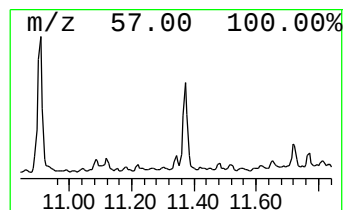
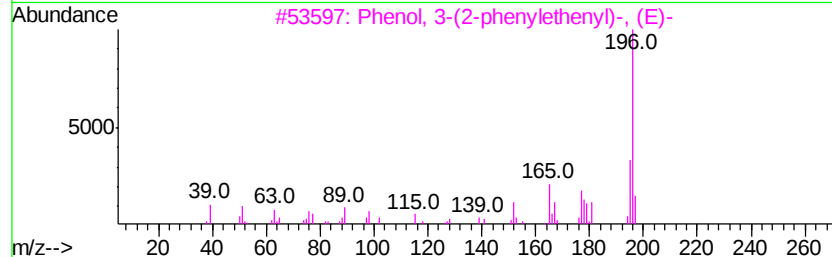
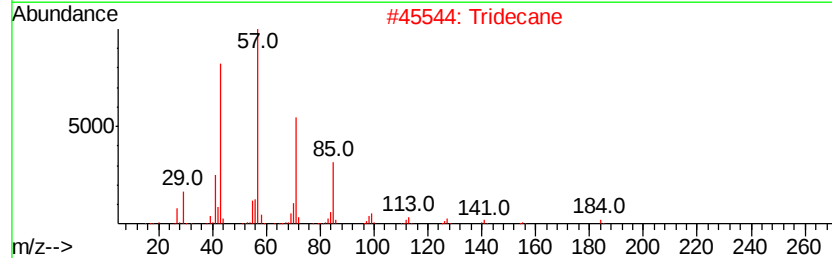
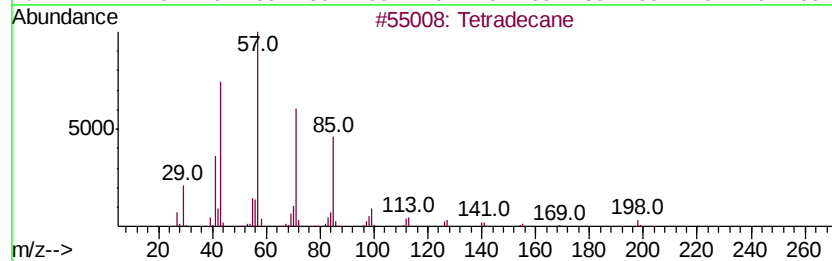
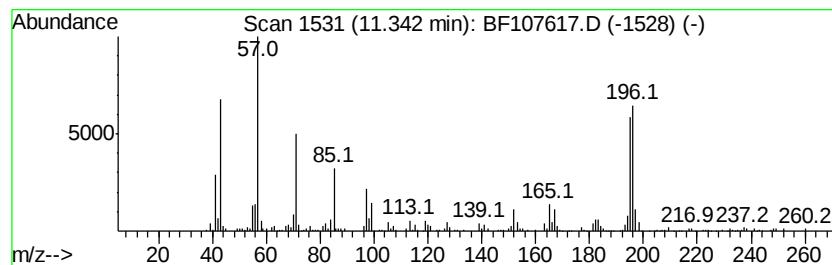
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Tetradecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	2.71 ng	310764	Phenanthrene-d10	11.51
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tetradecane	198 C14H30	000629-59-4 62
2		Tridecane	184 C13H28	000629-50-5 60
3		Phenol, 3-(2-phenylethenyl)-, (E)-	196 C14H12O	017861-18-6 41
4		Phenol, 4-(2-phenylethenyl)-	196 C14H12O	003839-46-1 30
5		Methanone, diphenyl-, hydrazone	196 C13H12N2	005350-57-2 30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107617.D
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Sample : J4096-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

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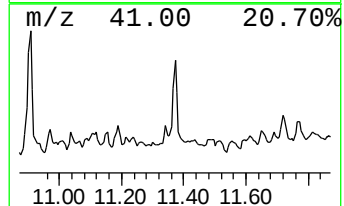
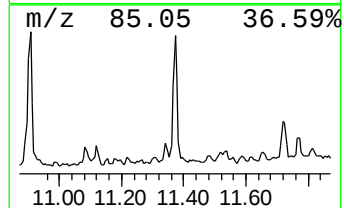
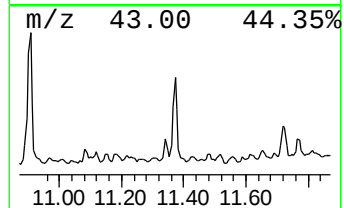
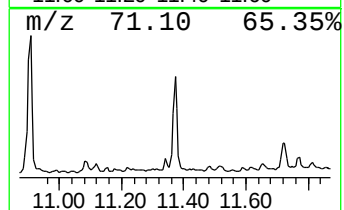
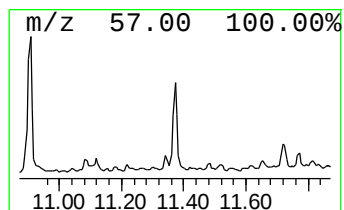
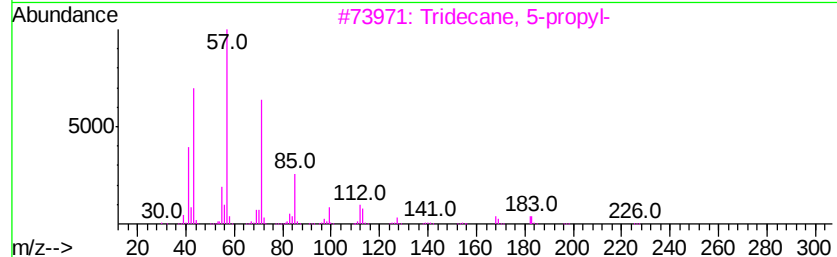
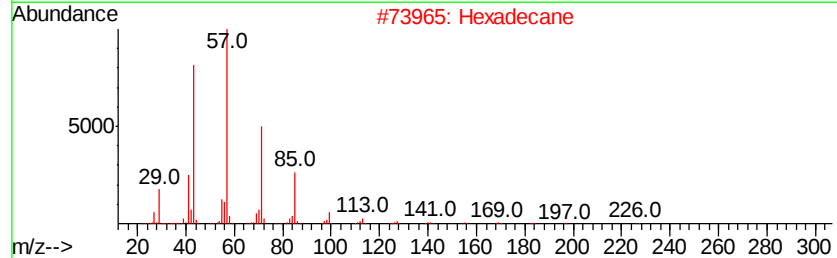
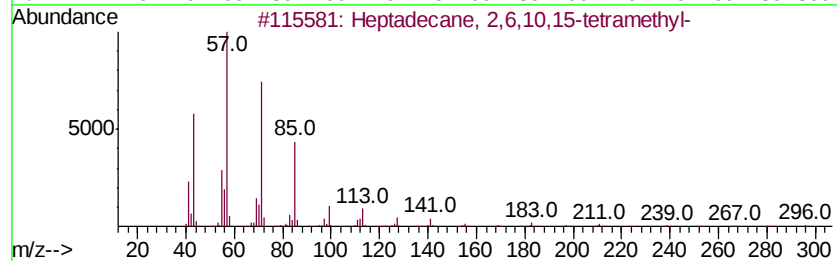
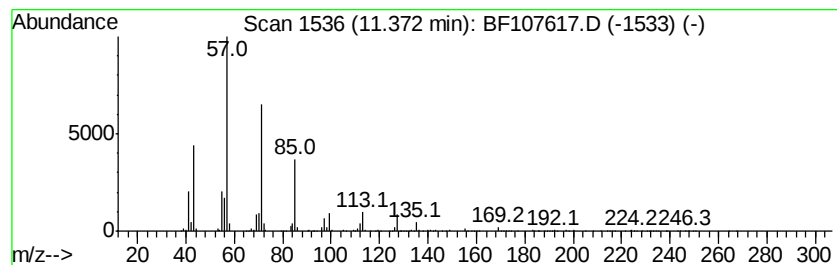
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Heptadecane, 2,6,10,15-tetr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	9.97 ng	1141730	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
2		Hexadecane	226	C16H34	000544-76-3	74
3		Tridecane, 5-propyl-	226	C16H34	055045-11-9	72
4		Heptacosane	380	C27H56	000593-49-7	72
5		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
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Sample : J4096-02
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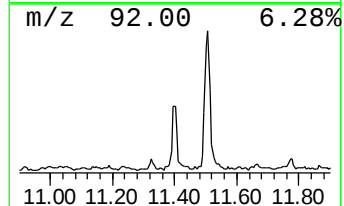
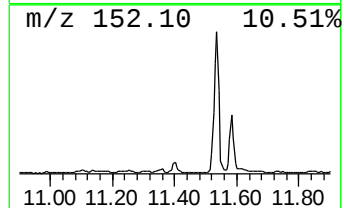
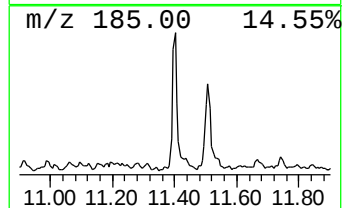
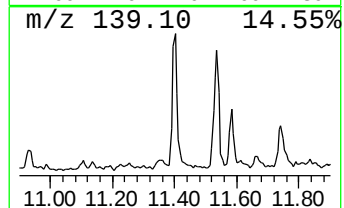
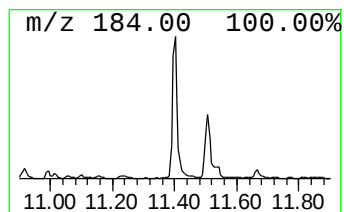
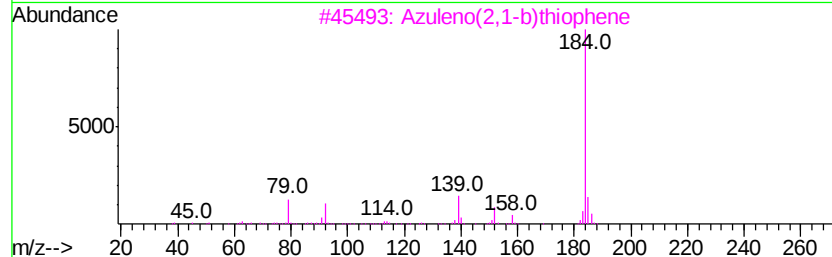
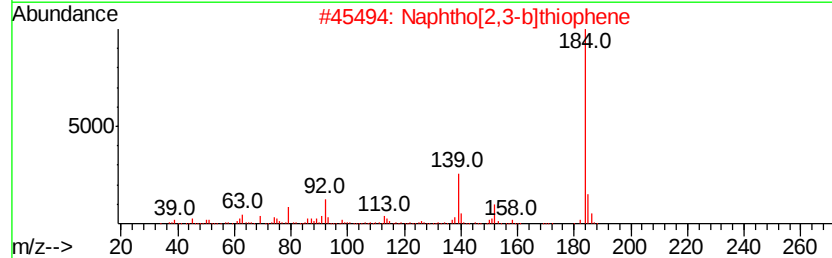
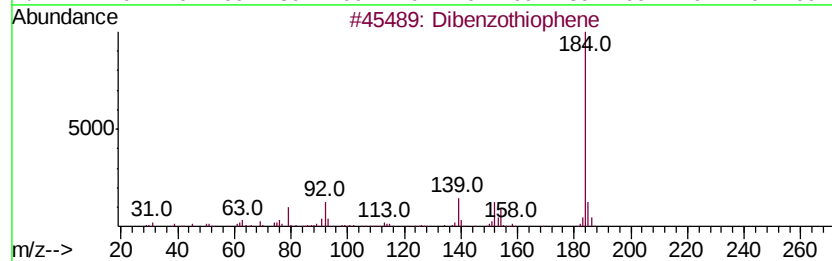
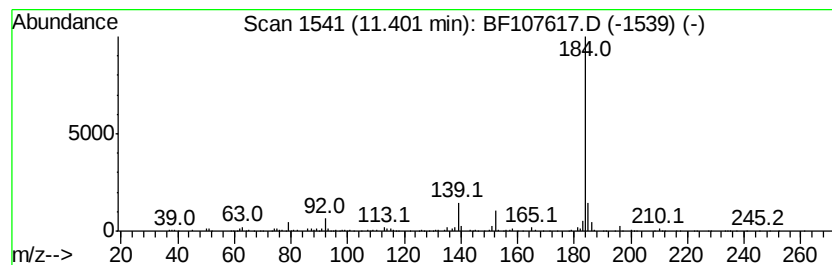
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	6.27 ng	718147	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	94
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	83
4		1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72
5		Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107617.D
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Misc :
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Instrument :
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ClientSampleId :
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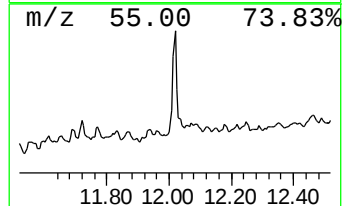
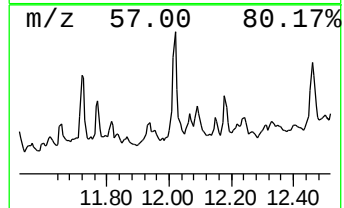
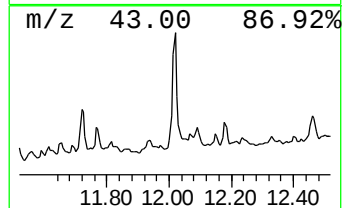
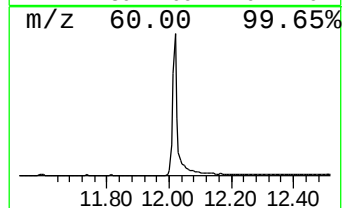
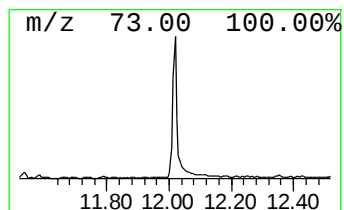
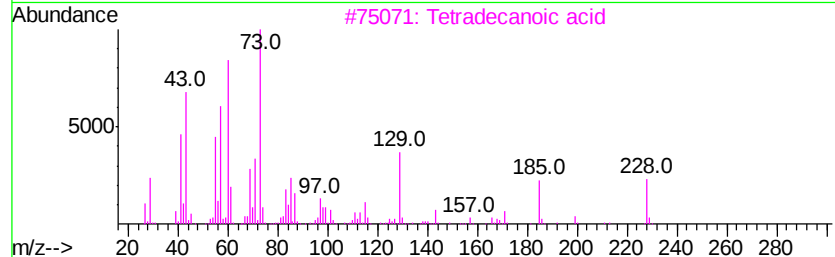
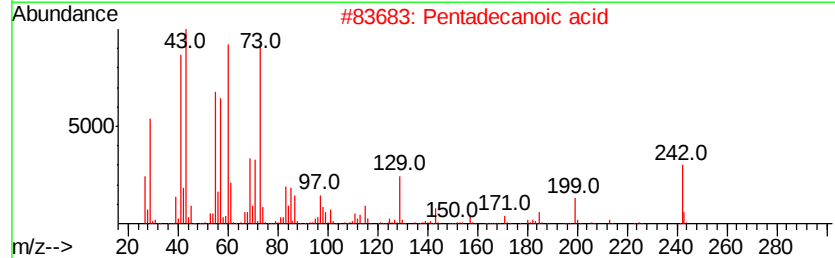
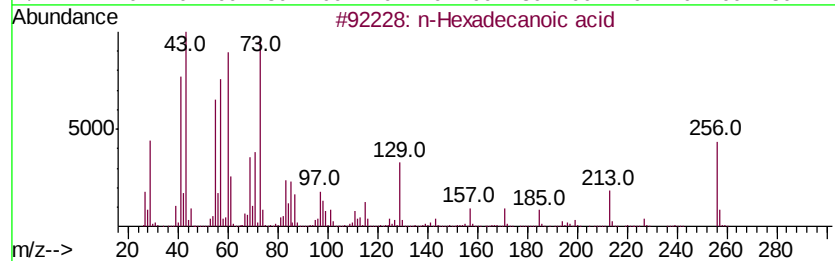
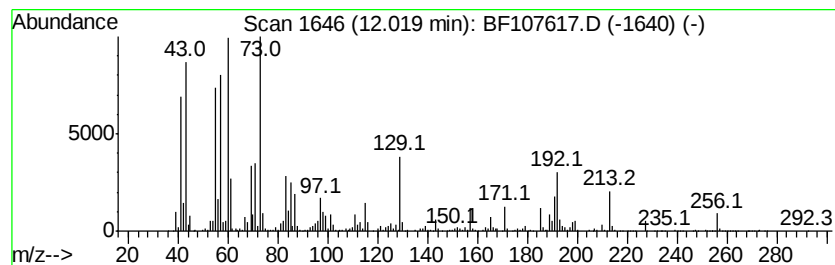
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	20.21 ng	2313930	Phenanthrene-d10	11.51

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	86
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	62
4		Dodecanoic acid	200	C12H24O2	000143-07-7	53
5		Tridecanoic acid	214	C13H26O2	000638-53-9	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
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Acq On : 24 Jul 2018 14:30
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Sample : J4096-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

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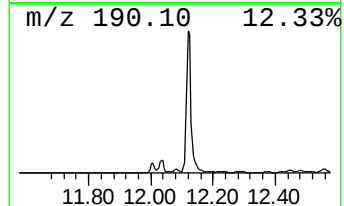
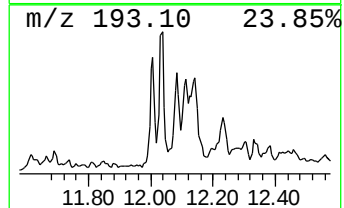
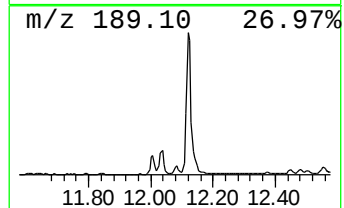
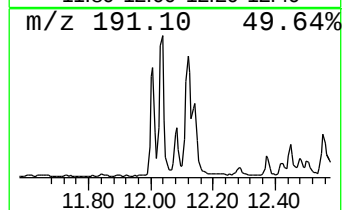
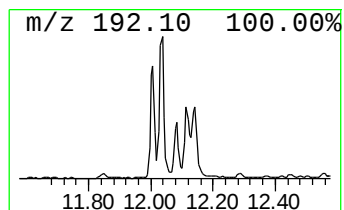
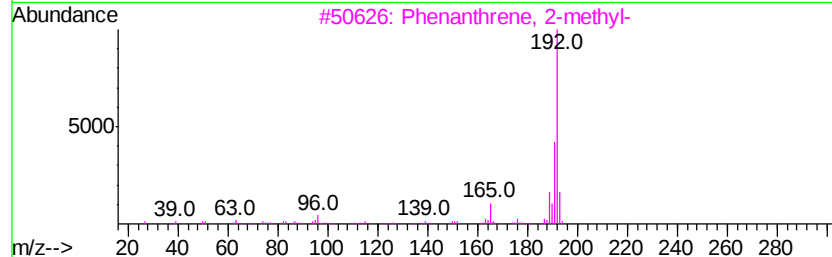
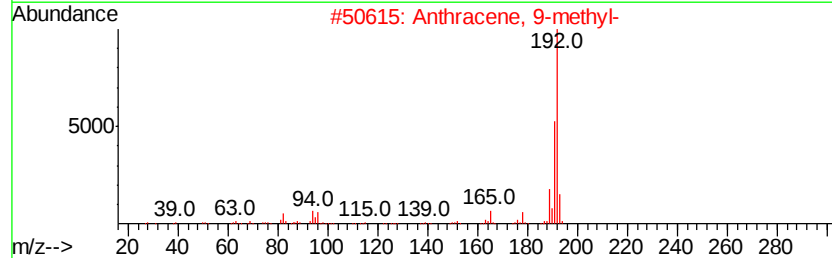
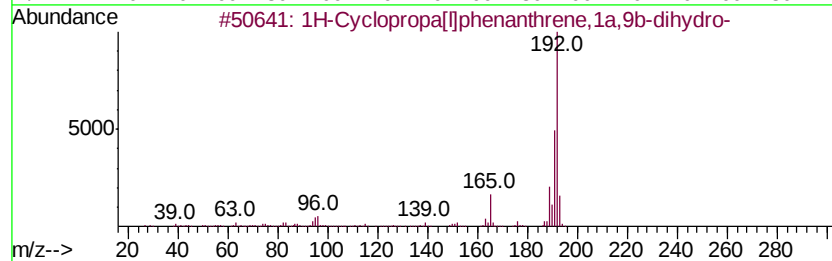
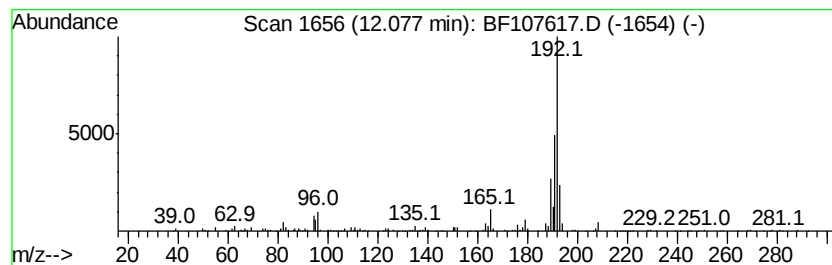
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	3.61 ng	413777	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
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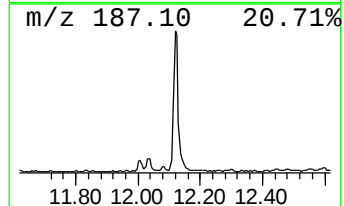
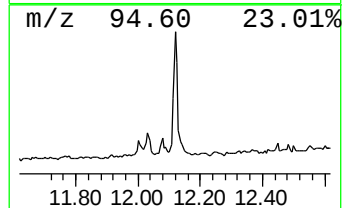
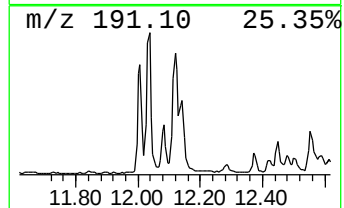
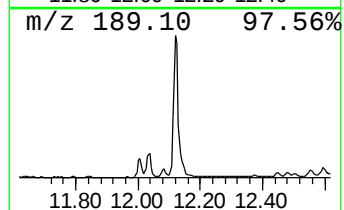
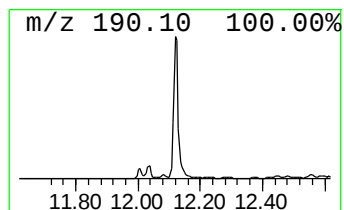
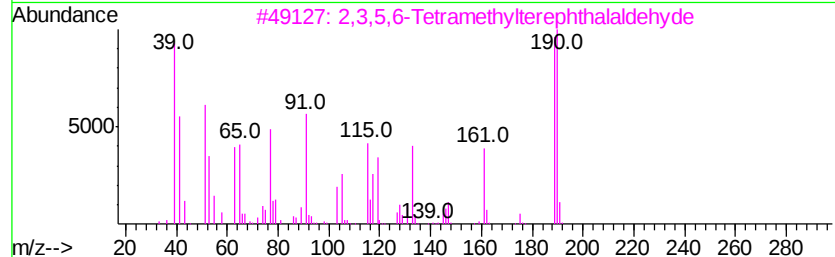
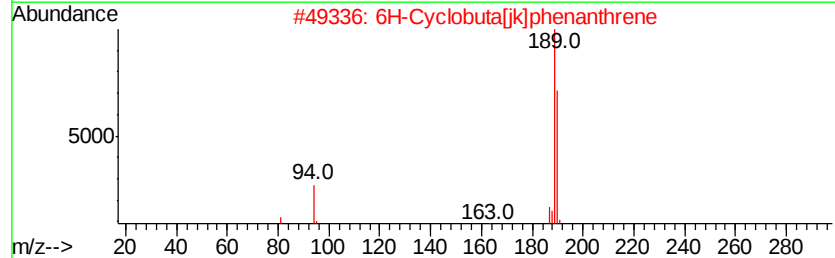
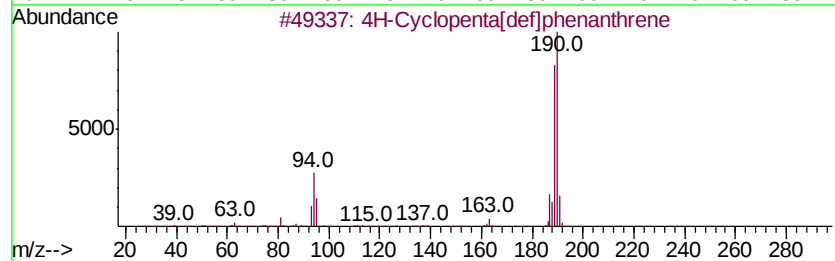
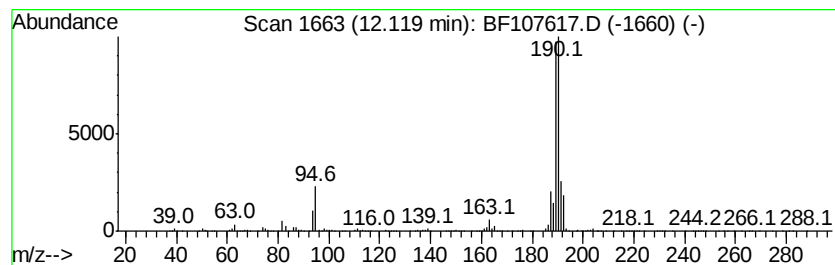
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	27.31 ng	3126980	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40



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Sample : J4096-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-4

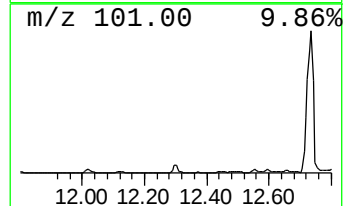
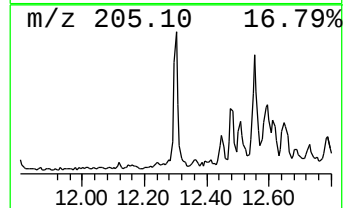
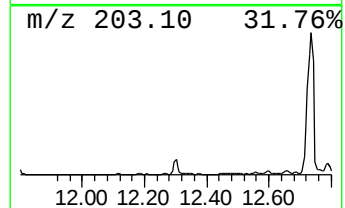
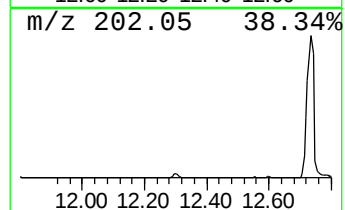
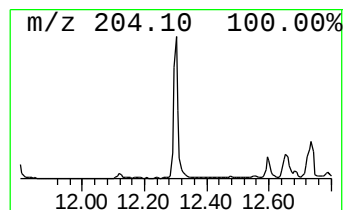
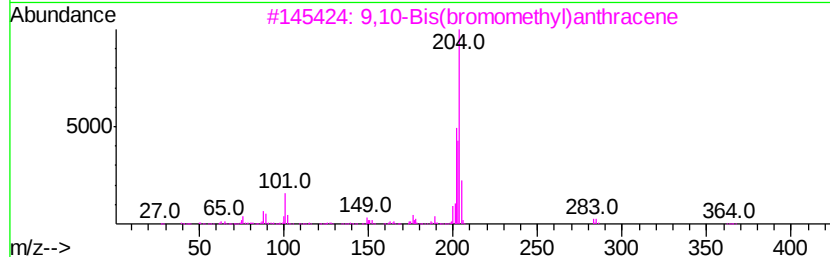
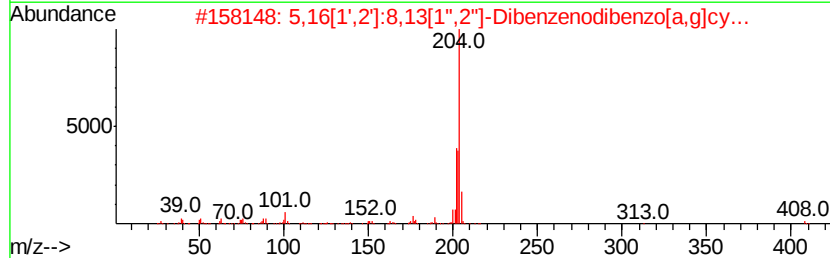
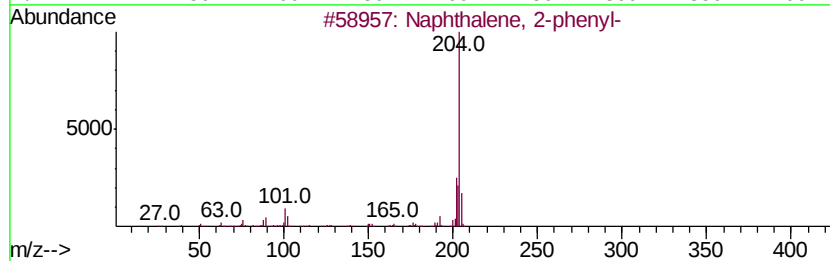
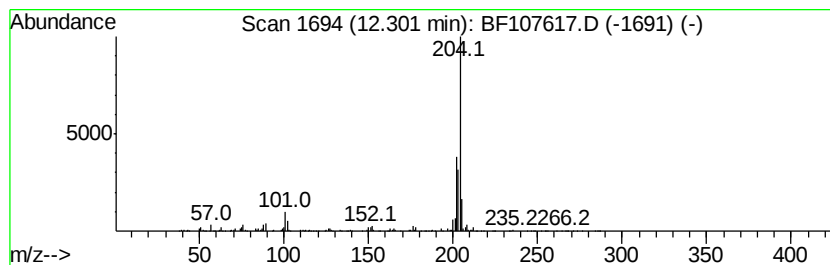
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	5.59 ng	640083	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
3		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	59
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107617.D
Acq On : 24 Jul 2018 14:30
Operator : JU/SJ
Sample : J4096-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

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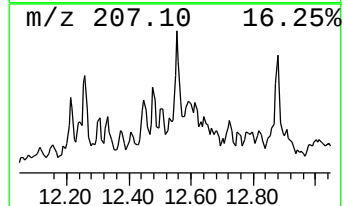
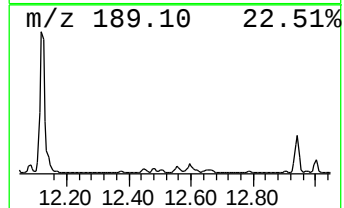
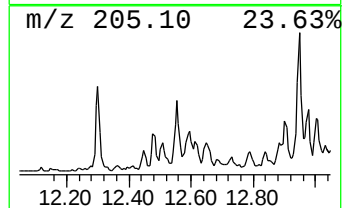
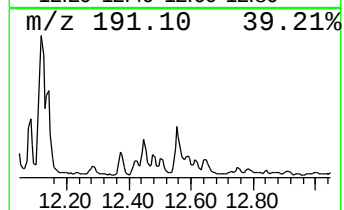
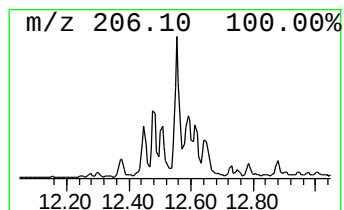
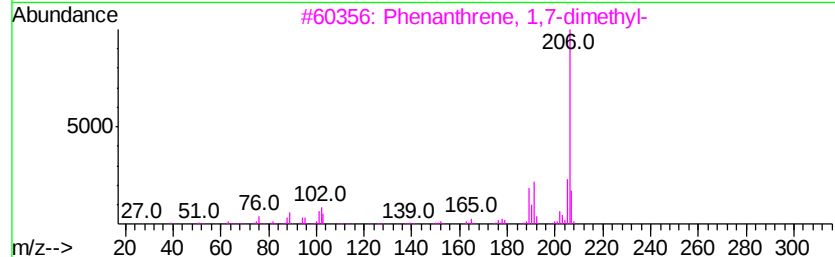
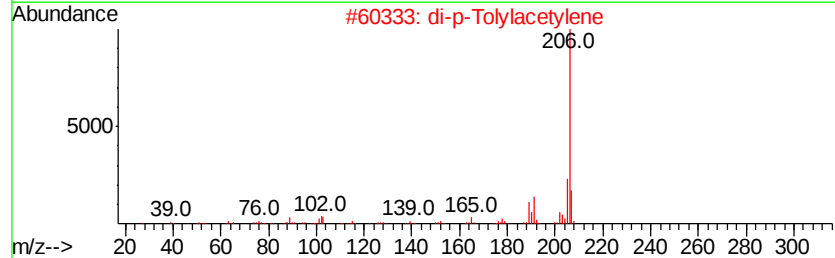
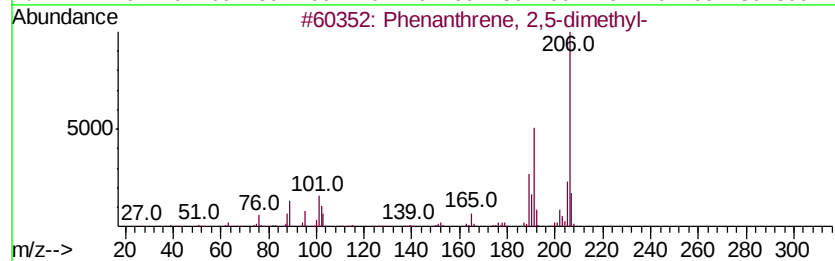
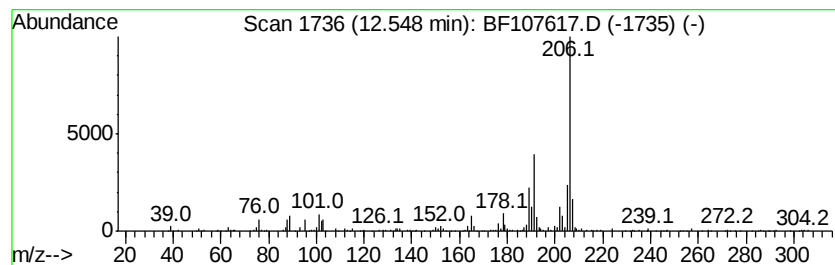
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	3.40 ng	389739	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107617.D
Acq On : 24 Jul 2018 14:30
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Sample : J4096-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

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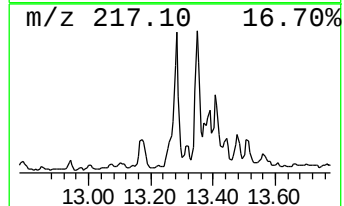
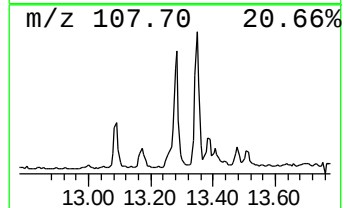
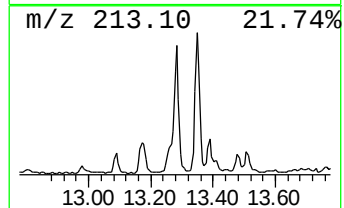
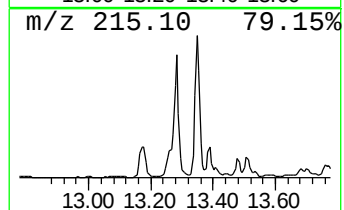
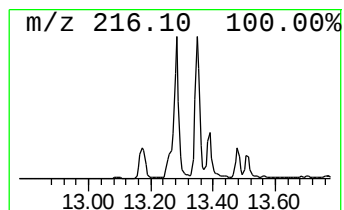
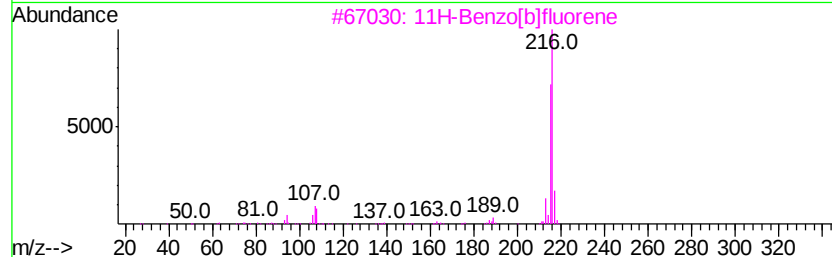
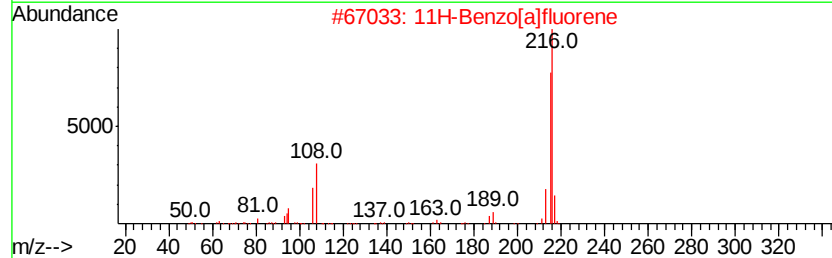
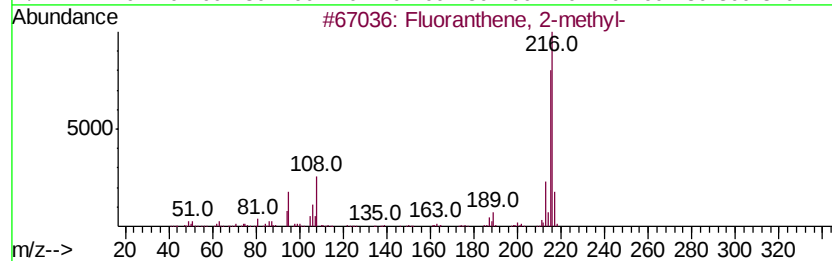
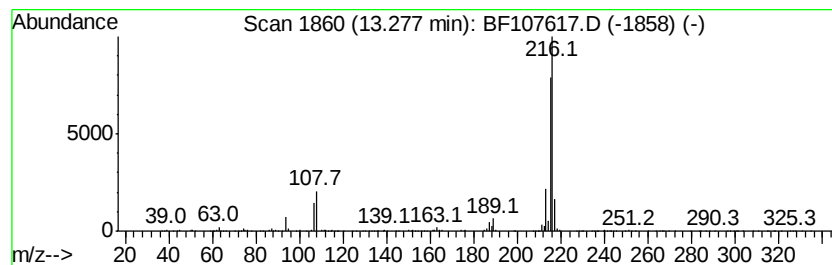
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	5.22 ng	1634930	Chrysene-d12	14.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4		Pvrene, 1-methyl-	216	C17H12	002381-21-7	83
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107617.D
Acq On : 24 Jul 2018 14:30
Operator : JU/SJ
Sample : J4096-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

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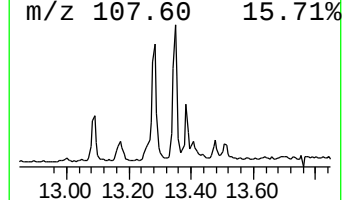
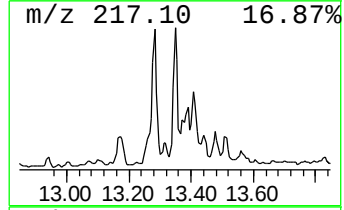
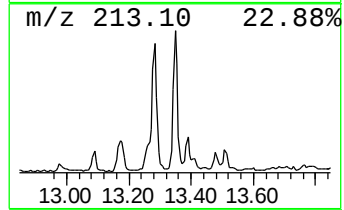
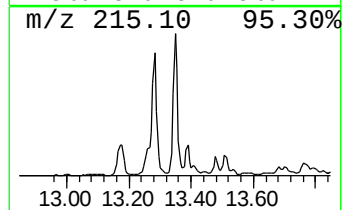
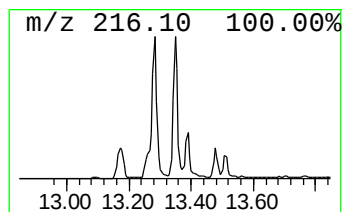
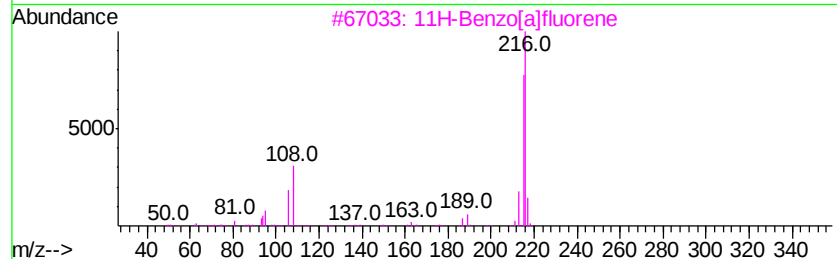
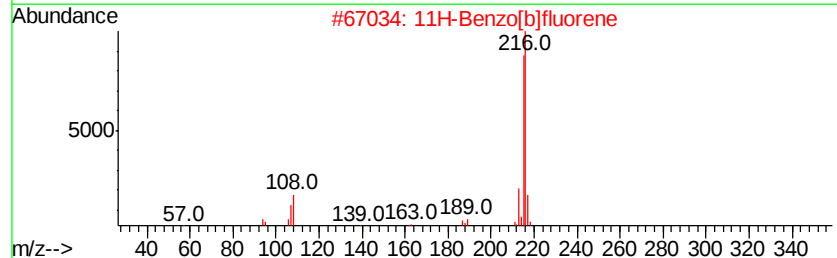
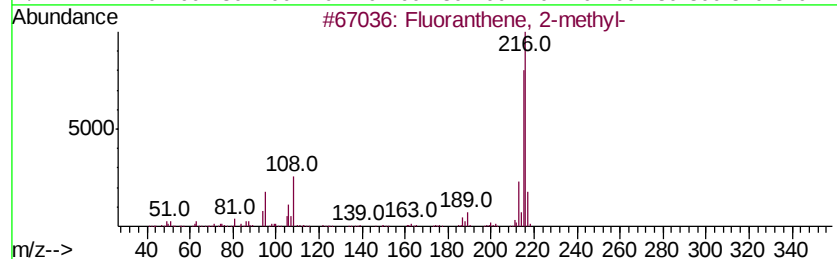
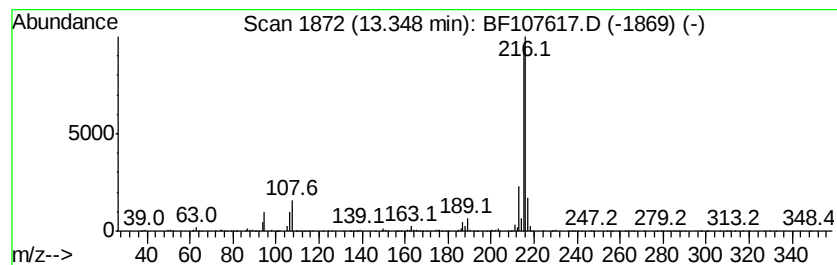
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	5.14 ng	1610670	Chrysene-d12	14.16

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4			Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107617.D
Acq On : 24 Jul 2018 14:30
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Sample : J4096-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

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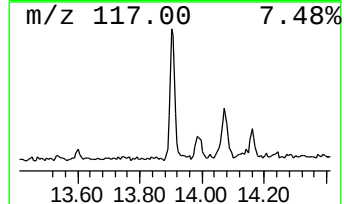
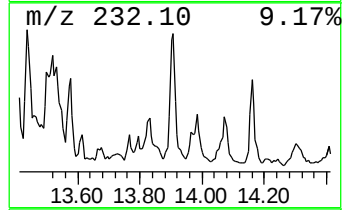
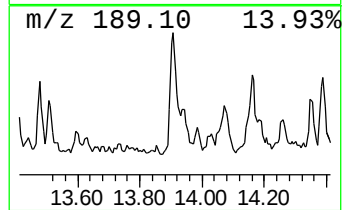
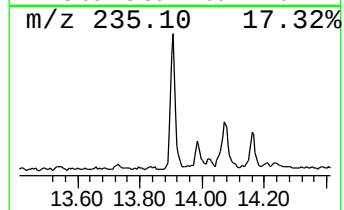
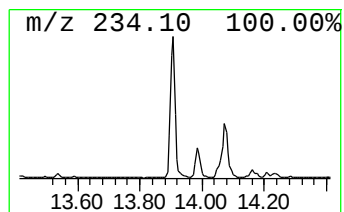
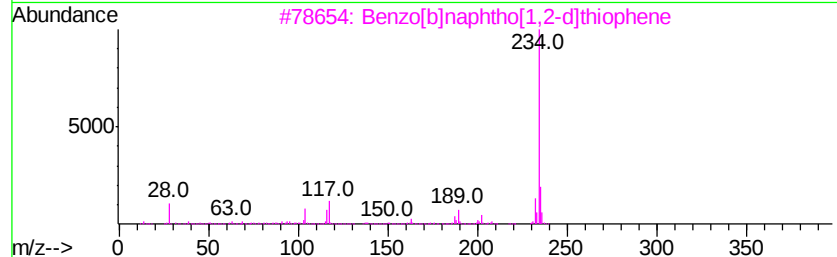
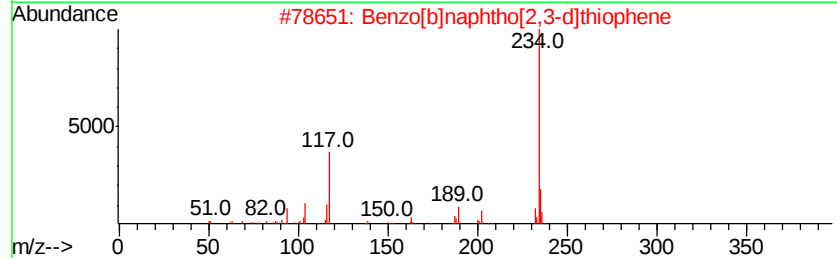
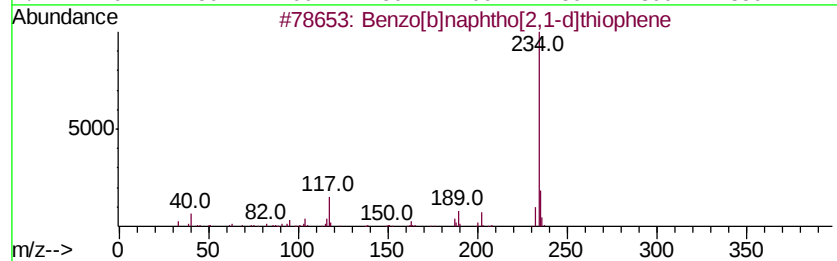
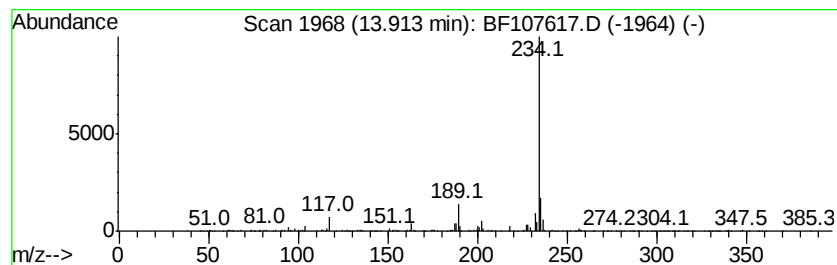
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	2.19 ng	686895	Chrysene-d12	14.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	93
4		2-Amino-6-t-butyl-3-cvano-4,5,6,...	234	C13H18N2S	042159-76-2	53
5		5,6,8,9,10,11-Hexahydrobenz[a]an...	234	C18H18	067064-61-3	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107617.D
Acq On : 24 Jul 2018 14:30
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Misc :
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Instrument :
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ClientSampleId :
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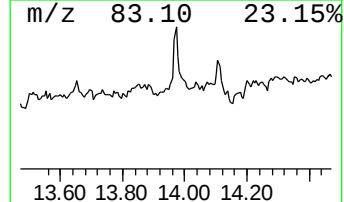
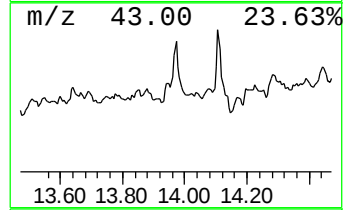
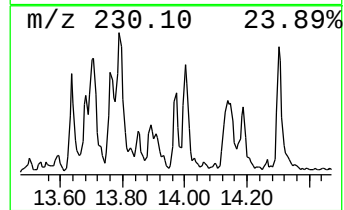
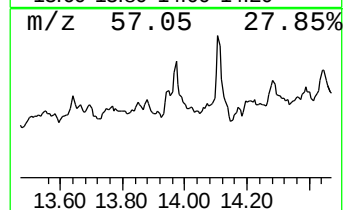
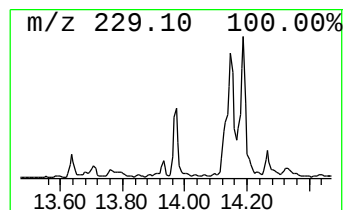
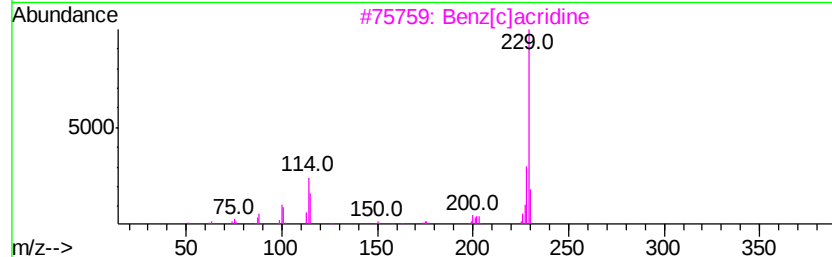
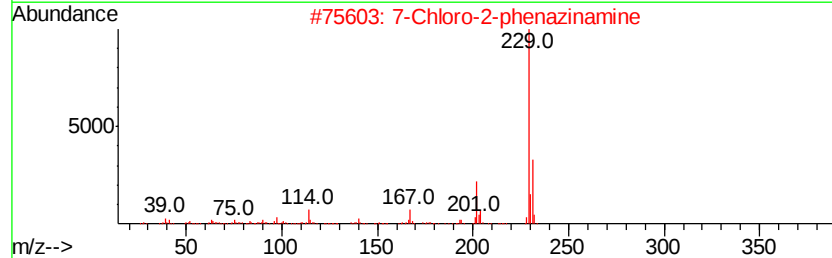
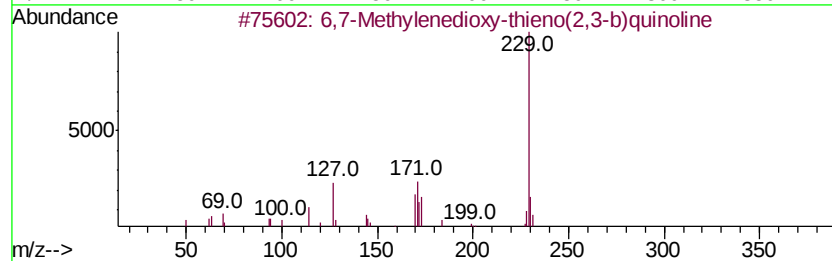
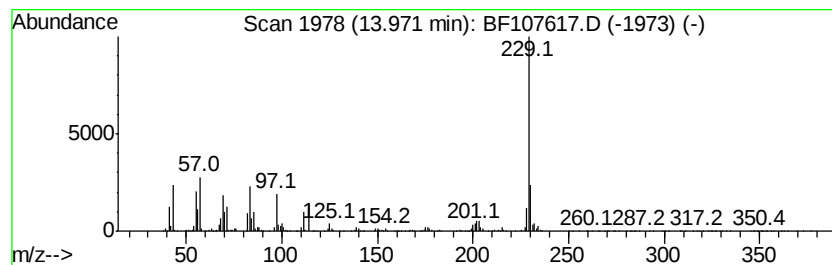
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 unknown13.67 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	6.59 ng	2064550	Chrysene-d12	14.16

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	6,7-Methylenedioxy-thieno(2,3-b)...	229	C12H7NO2S	062638-09-9	47		
2	7-Chloro-2-phenazinamine	229	C12H8ClN3	023677-11-4	43		
3	Benz[c]acridine	229	C17H11N	000225-51-4	37		
4	(10H)Acridin-9-one, 4-chloro-	229	C13H8ClNO	069220-40-2	32		
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	262	C7H6Cl4O2	002207-27-4	16		



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107617.D
Acq On : 24 Jul 2018 14:30
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ALS Vial : 6 Sample Multiplier: 1

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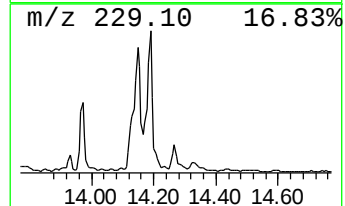
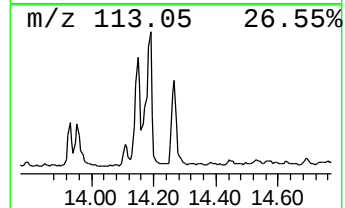
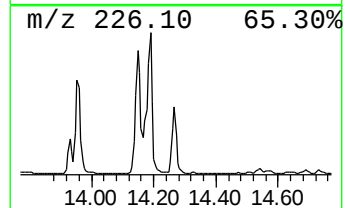
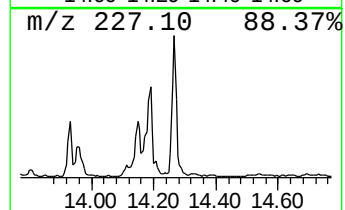
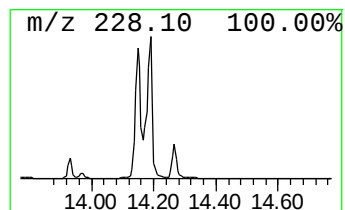
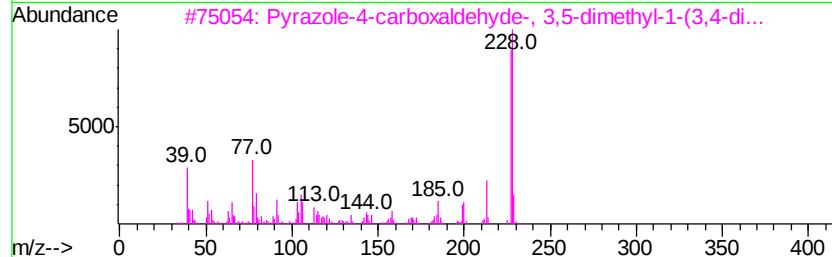
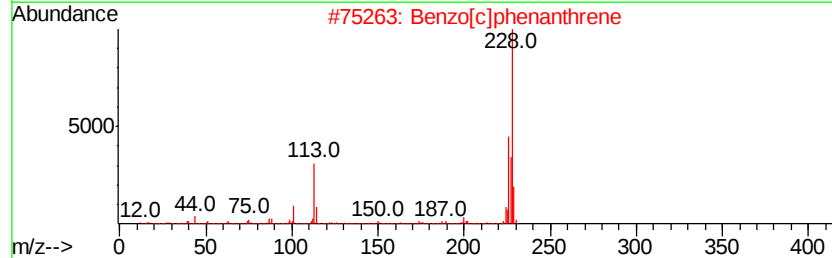
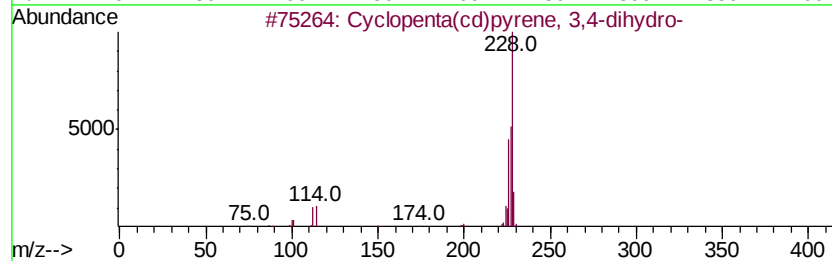
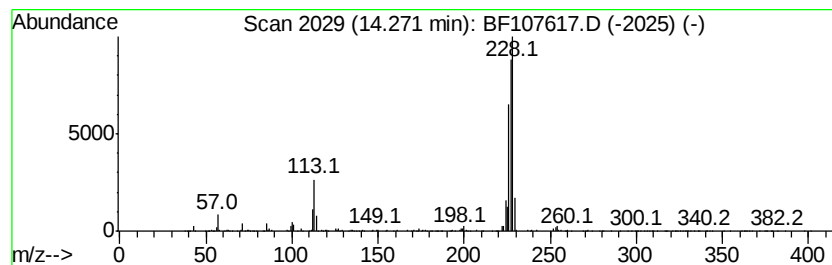
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	4.99 ng	1562470	Chrysene-d12	14.16

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	95
2			Benzo[c]phenanthrene	228	C18H12	000195-19-7	50
3			Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
4			Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	47
5			1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107617.D
Acq On : 24 Jul 2018 14:30
Operator : JU/SJ
Sample : J4096-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-4

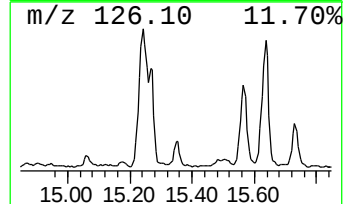
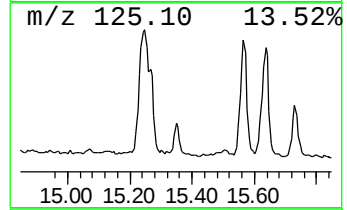
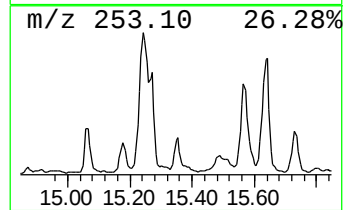
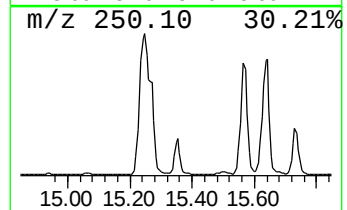
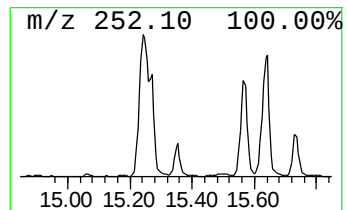
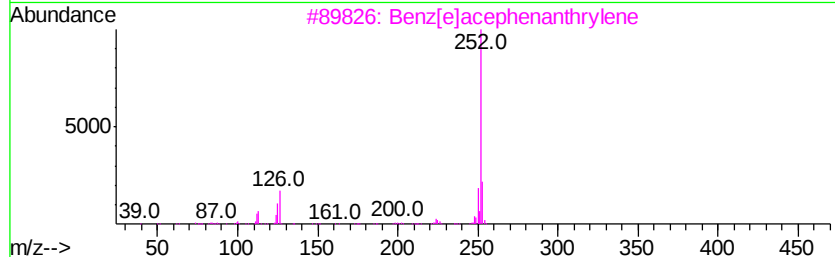
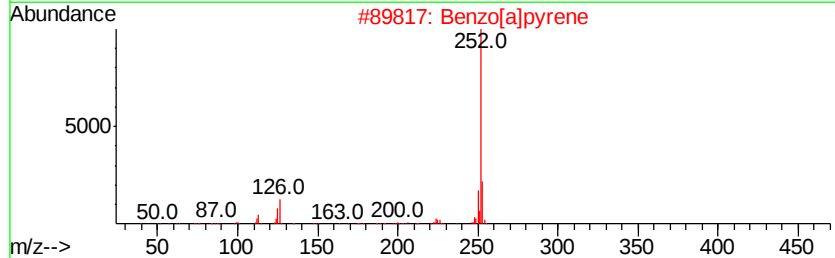
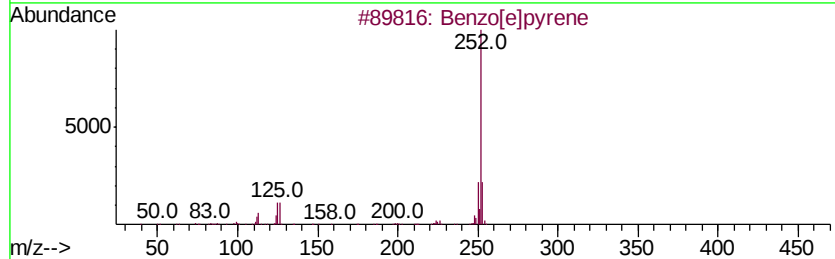
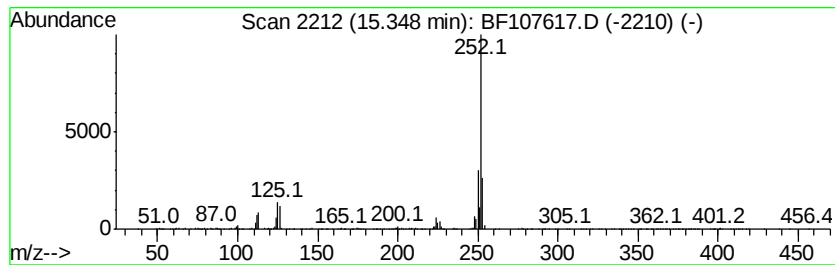
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	11.72 ng	930043	Perylene-d12	15.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2		Benzo[a]pyrene	252	C20H12	000050-32-8	93
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
4		Benzo[i]fluoranthene	252	C20H12	000205-82-3	76
5		Perylene	252	C20H12	000198-55-0	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107617.D
Acq On : 24 Jul 2018 14:30
Operator : JU/SJ
Sample : J4096-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-4

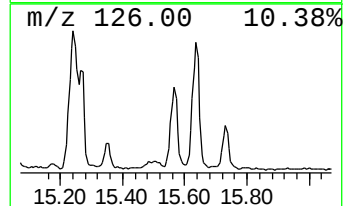
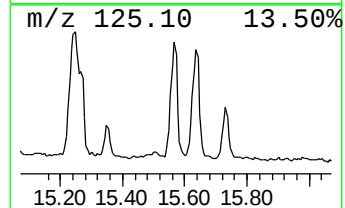
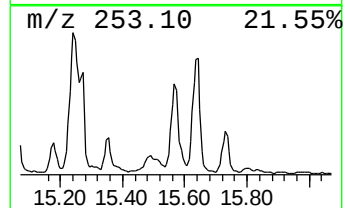
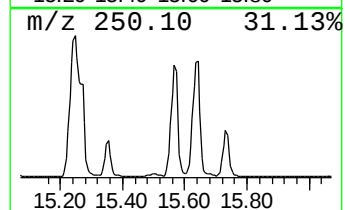
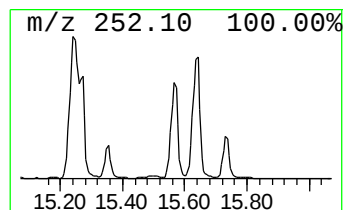
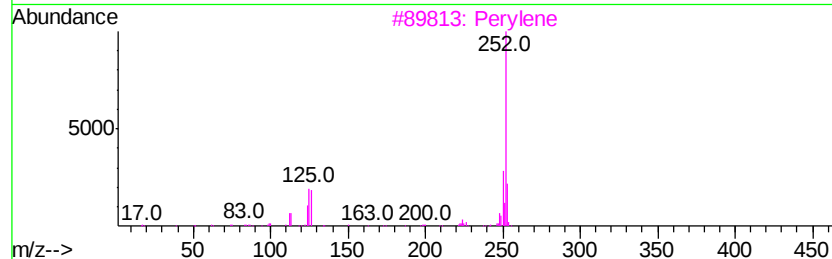
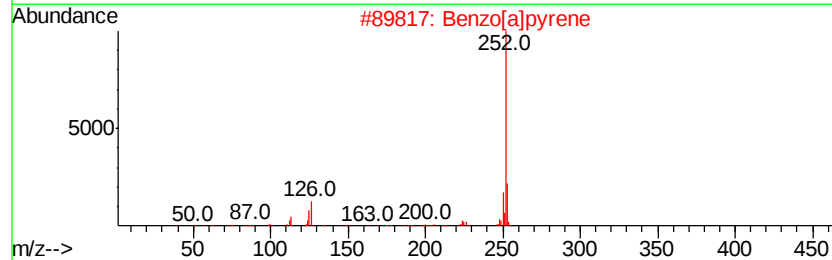
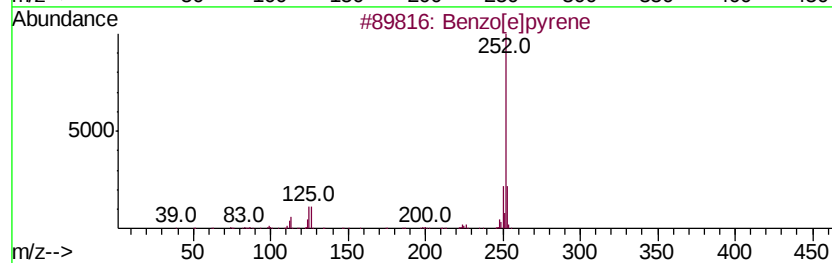
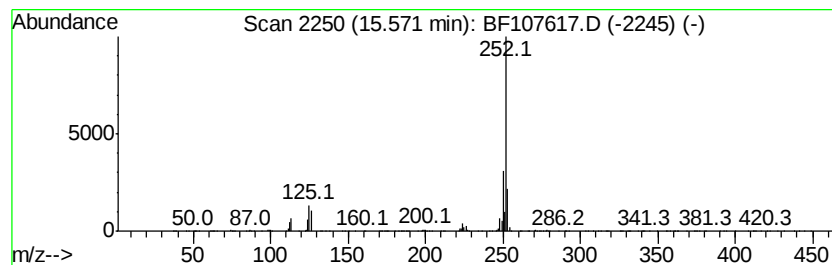
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	40.73 ng	3231250	Perylene-d12	15.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Benzo[a]pyrene	252	C20H12	000050-32-8	98
3		Perylene	252	C20H12	000198-55-0	95
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072418\
 Data File : BF107617.D
 Acq On : 24 Jul 2018 14:30
 Operator : JU/SJ
 Sample : J4096-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.21	8.9 ng		775371	1	6.97	1744920	20.0
Undecane, 2,6-dim...	10.91	16.7 ng		1916640	4	11.51	2289760	20.0
Phenol, 4-(1,1-di...	10.97	3.4 ng		387560	4	11.51	2289760	20.0
unknown11.04	11.04	2.4 ng		276603	4	11.51	2289760	20.0
Tetradecane	11.34	2.7 ng		310764	4	11.51	2289760	20.0
Heptadecane, 2,6,...	11.37	10.0 ng		1141730	4	11.51	2289760	20.0
Dibenzothiophene	11.40	6.3 ng		718147	4	11.51	2289760	20.0
n-Hexadecanoic acid	12.02	20.2 ng		2313930	4	11.51	2289760	20.0
1H-Cyclopropa[l]p...	12.08	3.6 ng		413777	4	11.51	2289760	20.0
4H-Cyclopenta[def...	12.12	27.3 ng		3126980	4	11.51	2289760	20.0
Naphthalene, 2-ph...	12.30	5.6 ng		640083	4	11.51	2289760	20.0
Phenanthrene, 2,5...	12.55	3.4 ng		389739	4	11.51	2289760	20.0
Fluoranthene, 2-m...	13.28	5.2 ng		1634930	5	14.16	6268480	20.0
Pyrene, 1-methyl-	13.35	5.1 ng		1610670	5	14.16	6268480	20.0
Benzo[b]naphtho[2...	13.91	2.2 ng		686895	5	14.16	6268480	20.0
unknown13.67	13.97	6.6 ng		2064550	5	14.16	6268480	20.0
Cyclopenta(cd)pyr...	14.27	5.0 ng		1562470	5	14.16	6268480	20.0
Benzo[e]pyrene	15.35	11.7 ng		930043	6	15.70	1586560	20.0
Perylene	15.57	40.7 ng		3231250	6	15.70	1586560	20.0