

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092418\
 Data File : BF109265.D
 Acq On : 24 Sep 2018 14:15
 Operator : JU/SJ
 Sample : J4770-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-092118-A

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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	4.881	472	475	481	rBV	28015	32044	2.75%	0.168%
2	5.304	543	547	556	rVB	849964	809023	69.55%	4.243%
3	6.339	719	723	731	rBV	989317	867273	74.56%	4.549%
4	6.469	742	745	749	rBV	998689	885245	76.10%	4.643%
5	6.557	755	760	769	rVB2	13592	21665	1.86%	0.114%
6	6.704	782	785	789	rBV	932616	752368	64.68%	3.946%
7	6.863	808	812	815	rBV	839921	678861	58.36%	3.560%
8	7.263	876	880	883	rBV	692657	531518	45.69%	2.788%
9	7.322	887	890	892	rVB	16288	14184	1.22%	0.074%
10	7.986	999	1003	1006	rBV	1257514	1015342	87.29%	5.325%
11	9.063	1182	1186	1189	rBV	1232470	982225	84.44%	5.152%
12	9.157	1196	1202	1204	rBV4	21381	22033	1.89%	0.116%
13	9.327	1227	1231	1237	rBV6	8278	12494	1.07%	0.066%
14	9.398	1240	1243	1245	rBV	13882	12561	1.08%	0.066%
15	9.457	1249	1253	1256	rBV	283131	236290	20.31%	1.239%
16	9.598	1273	1277	1282	rBV	32405	31506	2.71%	0.165%
17	9.686	1289	1292	1296	rBV	24508	22040	1.89%	0.116%
18	9.739	1297	1301	1304	rVV	1259091	1163211	100.00%	6.101%
19	9.769	1304	1306	1309	rVB	38667	30148	2.59%	0.158%
20	9.939	1332	1335	1339	rVB	30205	25453	2.19%	0.133%
21	10.010	1344	1347	1351	rBV5	12335	14644	1.26%	0.077%
22	10.051	1351	1354	1357	rBV4	12767	16216	1.39%	0.085%
23	10.151	1366	1371	1374	rBV5	10575	16784	1.44%	0.088%
24	10.180	1374	1376	1379	rVB2	38104	28801	2.48%	0.151%
25	10.280	1390	1393	1400	rBV2	45307	42156	3.62%	0.221%
26	10.398	1410	1413	1417	rVV4	19195	26828	2.31%	0.141%
27	10.439	1417	1420	1425	rVB2	17062	24776	2.13%	0.130%
28	10.516	1430	1433	1438	rBV	695444	602050	51.76%	3.158%
29	10.651	1453	1456	1458	rBV3	52638	48924	4.21%	0.257%
30	10.827	1483	1486	1488	rBV2	13329	13421	1.15%	0.070%
31	10.851	1488	1490	1493	rVB4	15261	14598	1.25%	0.077%
32	10.910	1497	1500	1503	rVB	12650	12331	1.06%	0.065%
33	10.957	1503	1508	1510	rBV3	15267	24225	2.08%	0.127%
34	10.974	1510	1511	1516	rVV2	17332	17350	1.49%	0.091%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.016	1516	1518	1523	rVB2	18180	21199	1.82%	0.111%
36	11.068	1523	1527	1529	rBV4	16600	22867	1.97%	0.120%
37	11.098	1529	1532	1536	rVV2	50993	68519	5.89%	0.359%
38	11.127	1536	1537	1541	rVB	30002	24356	2.09%	0.128%
39	11.216	1548	1552	1554	rBV	1188519	1130541	97.19%	5.929%
40	11.233	1554	1555	1559	rVV	446926	300017	25.79%	1.574%
41	11.286	1561	1564	1567	rVB	101951	82770	7.12%	0.434%
42	11.321	1567	1570	1573	rBV5	18918	24202	2.08%	0.127%
43	11.439	1588	1590	1592	rBV	19778	13124	1.13%	0.069%
44	11.521	1600	1604	1606	rBV2	33959	35338	3.04%	0.185%
45	11.545	1606	1608	1610	rVB	22646	18453	1.59%	0.097%
46	11.621	1617	1621	1625	rVB	330335	259400	22.30%	1.360%
47	11.710	1633	1636	1639	rBV	68096	68097	5.85%	0.357%
48	11.739	1639	1641	1646	rVV2	104602	125928	10.83%	0.660%
49	11.786	1646	1649	1652	rVV2	40557	38535	3.31%	0.202%
50	11.821	1652	1655	1657	rVV2	120356	122158	10.50%	0.641%
51	11.845	1657	1659	1665	rVB	66231	59007	5.07%	0.309%
52	11.927	1671	1673	1675	rVB	23419	13780	1.18%	0.072%
53	12.004	1683	1686	1688	rBV	41112	40141	3.45%	0.211%
54	12.027	1688	1690	1694	rVB2	44583	44103	3.79%	0.231%
55	12.133	1707	1708	1710	rBV	15347	15123	1.30%	0.079%
56	12.157	1710	1712	1715	rVV2	24715	22356	1.92%	0.117%
57	12.186	1715	1717	1719	rVV	25201	20596	1.77%	0.108%
58	12.210	1719	1721	1724	rVB	29975	23939	2.06%	0.126%
59	12.263	1727	1730	1732	rVV	67713	62907	5.41%	0.330%
60	12.304	1733	1737	1738	rVV	816758	734295	63.13%	3.851%
61	12.321	1738	1740	1748	rVV	838531	829430	71.31%	4.350%
62	12.415	1752	1756	1760	rVV	602033	588172	50.56%	3.085%
63	12.468	1761	1765	1770	rVV7	42173	60929	5.24%	0.320%
64	12.645	1789	1795	1798	rBV	544921	526216	45.24%	2.760%
65	12.762	1813	1815	1817	rBV	39465	36270	3.12%	0.190%
66	12.792	1817	1820	1828	rVB	892526	752178	64.66%	3.945%
67	12.868	1829	1833	1835	rBV2	46134	57918	4.98%	0.304%
68	12.974	1845	1851	1854	rVB	90559	128860	11.08%	0.676%
69	13.039	1859	1862	1865	rVV	94997	81005	6.96%	0.425%
70	13.074	1865	1868	1875	rVB	65036	75767	6.51%	0.397%
71	13.168	1881	1884	1886	rVB	51877	45187	3.88%	0.237%

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72	13.198	1886	1889	1892	rBV	48206	46391	3.99%	0.243%
73	13.380	1918	1920	1925	rVB4	39998	44614	3.84%	0.234%
74	13.586	1952	1955	1958	rBV2	47372	68231	5.87%	0.358%
75	13.615	1958	1960	1962	rVB	33556	23476	2.02%	0.123%
76	13.710	1973	1976	1981	rVB3	83461	108561	9.33%	0.569%
77	13.839	1993	1998	2000	rBV2	1057958	1129448	97.10%	5.924%
78	13.862	2000	2002	2005	rVB	257058	186605	16.04%	0.979%
79	14.845	2165	2169	2172	rBV	214216	324767	27.92%	1.703%
80	14.939	2183	2185	2190	rVB2	108370	116342	10.00%	0.610%
81	15.121	2214	2216	2222	rVB	149008	172153	14.80%	0.903%
82	15.180	2223	2226	2230	rBV	176093	209659	18.02%	1.100%
83	15.245	2233	2237	2240	rBV	686275	766200	65.87%	4.019%
84	15.903	2346	2349	2359	rVB2	131498	247810	21.30%	1.300%

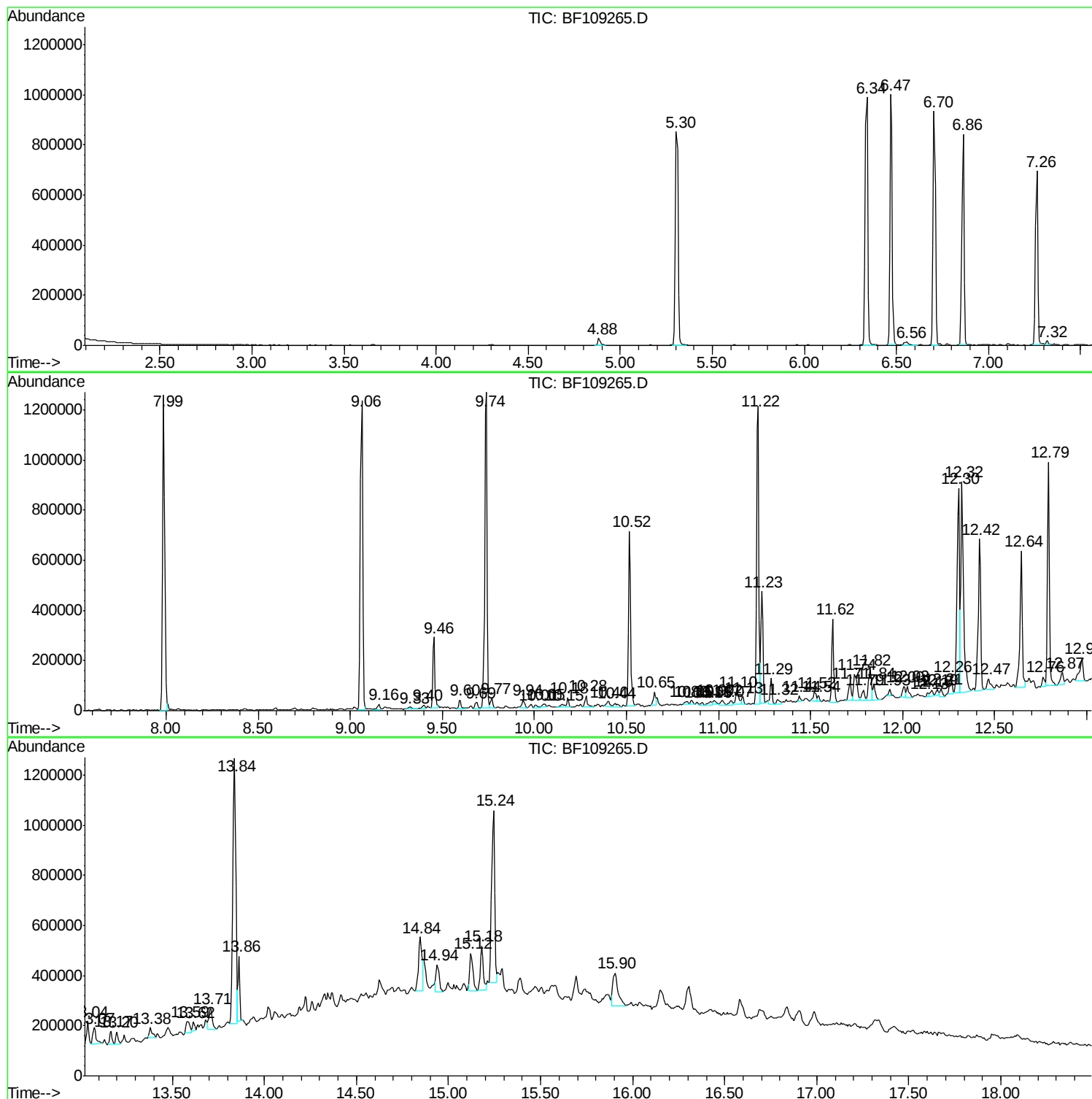
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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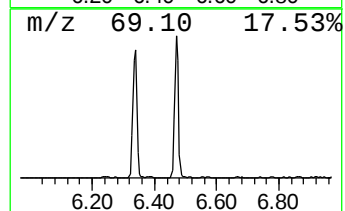
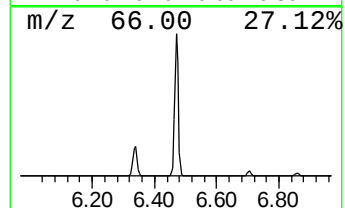
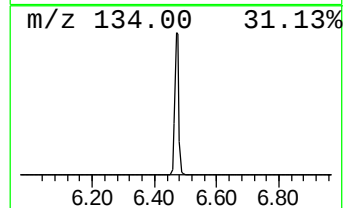
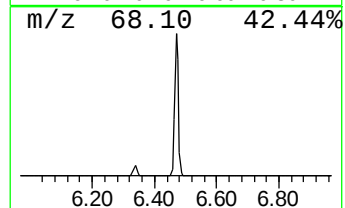
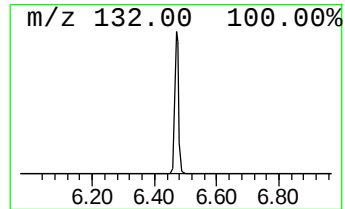
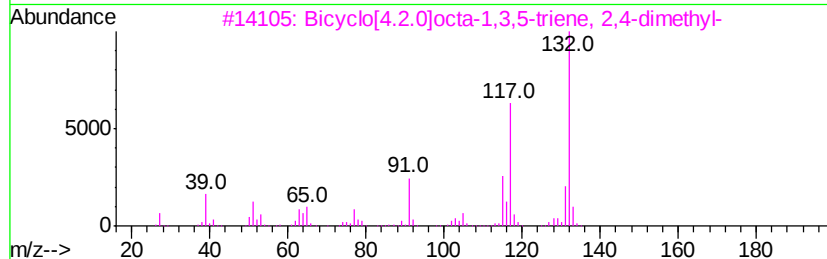
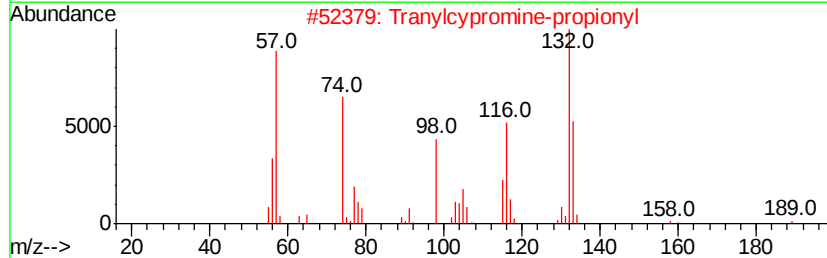
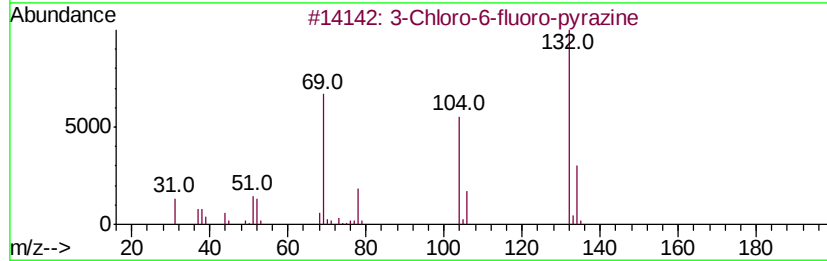
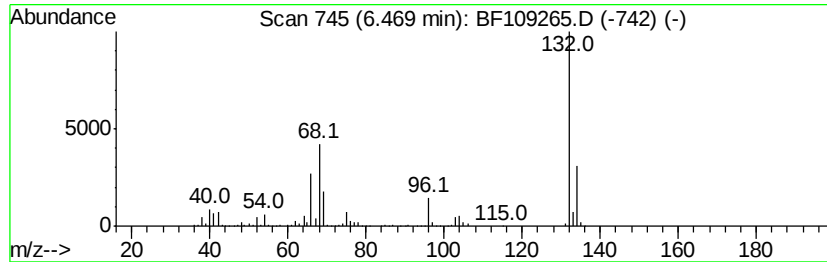
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.47 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	23.53 ng	885245	1,4-Dichlorobenzene-d4	6.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



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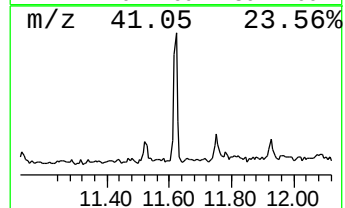
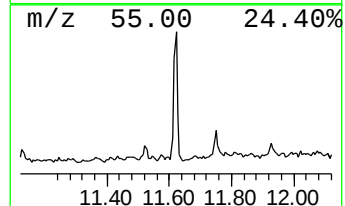
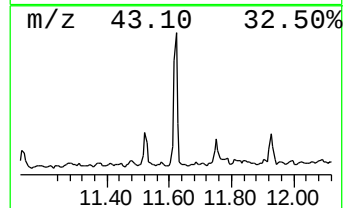
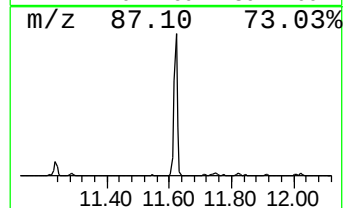
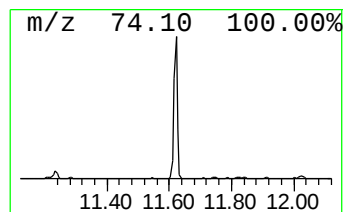
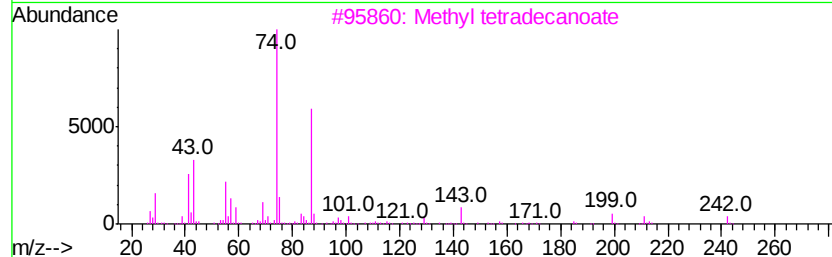
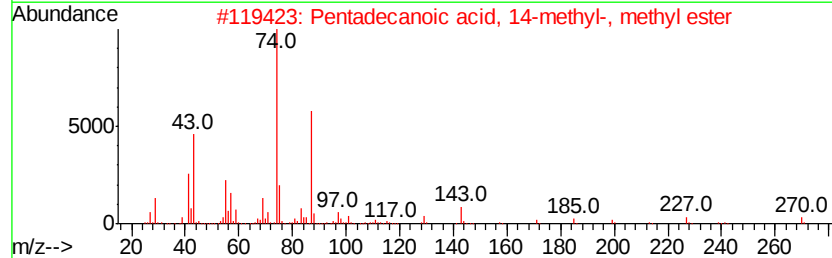
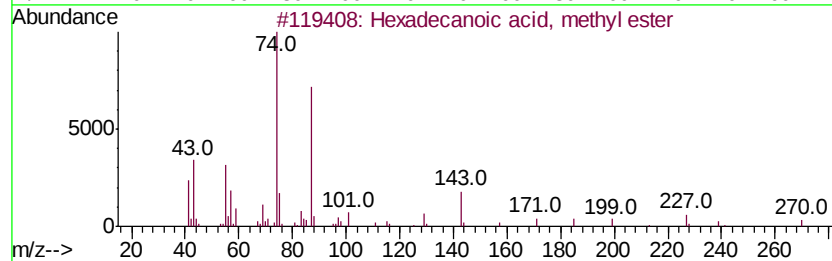
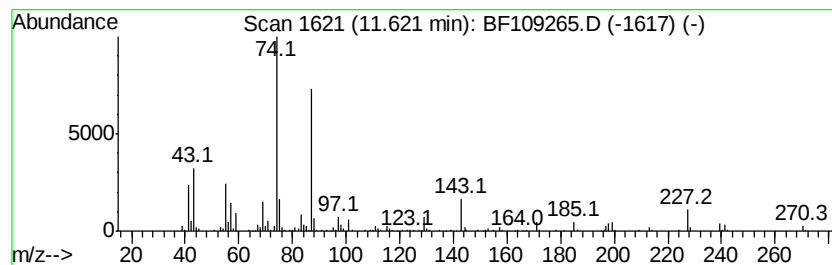
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Hexadecanoic acid, methyl e... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.62	4.59 ng	259400	Phenanthrene-d10	11.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	90
4	Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	81
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	80



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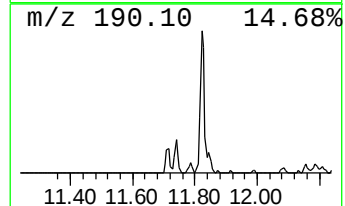
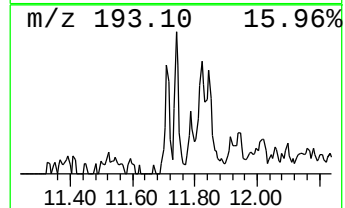
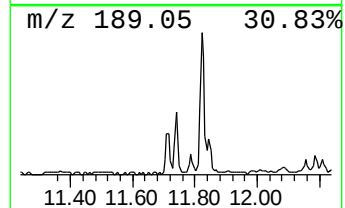
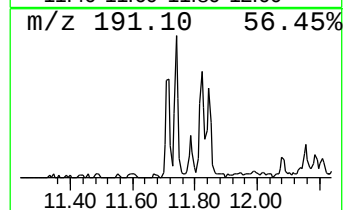
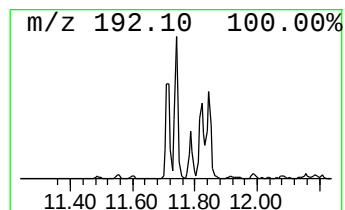
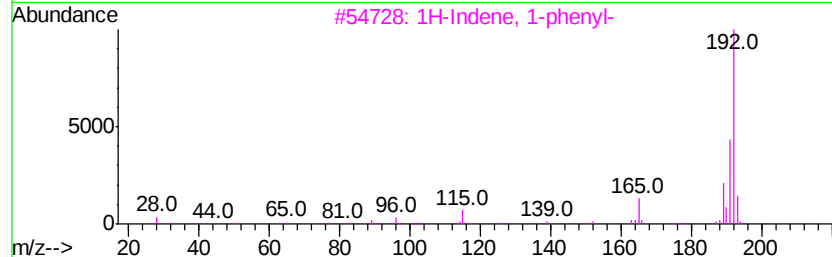
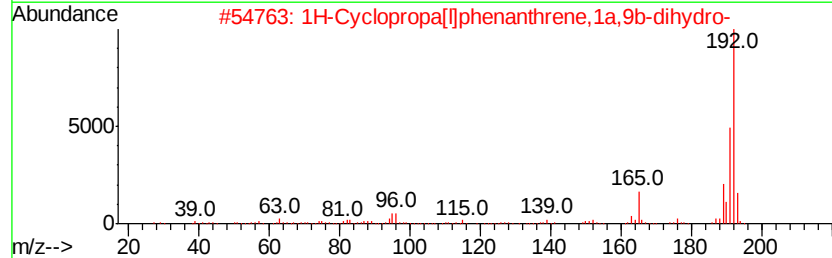
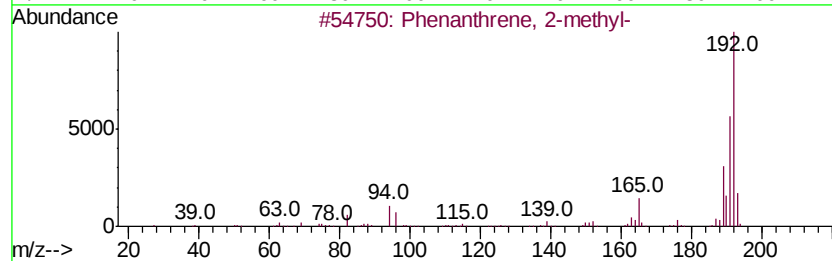
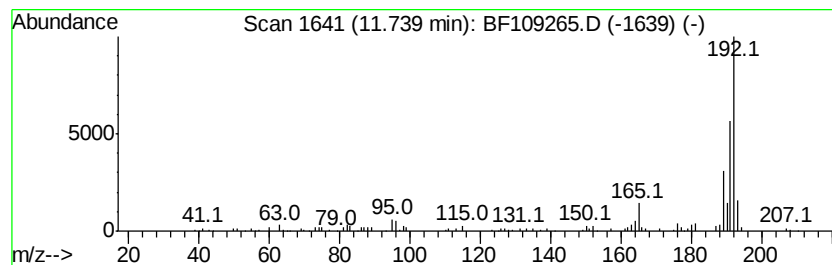
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.74	2.23 ng	125928	Phenanthrene-d10	11.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94



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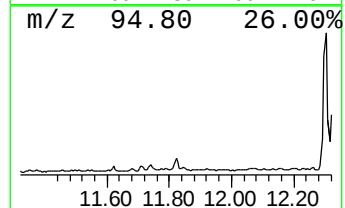
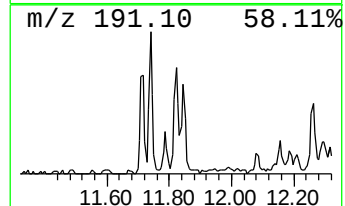
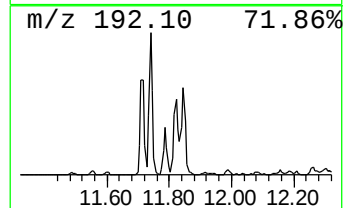
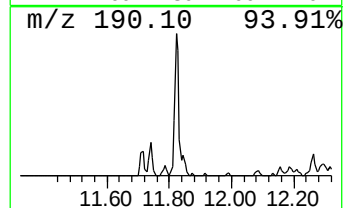
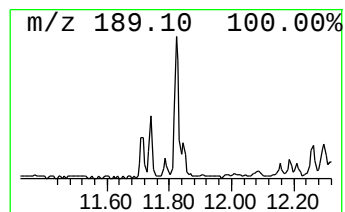
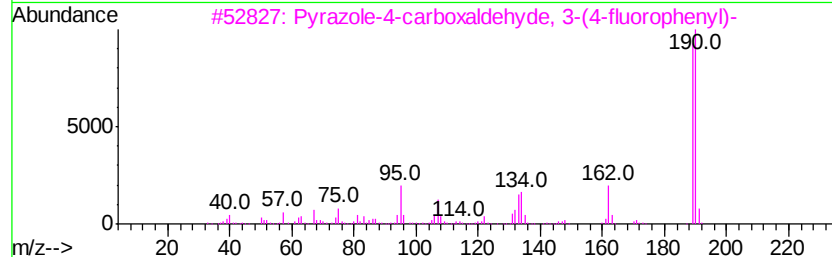
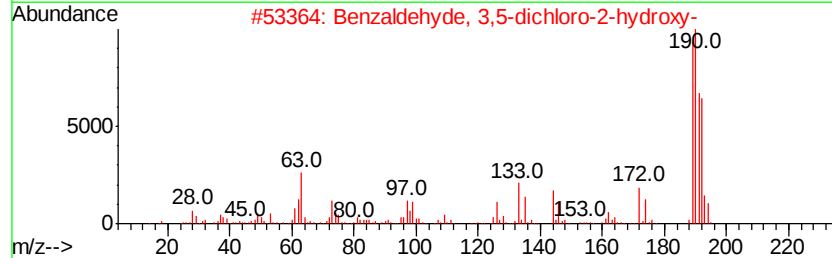
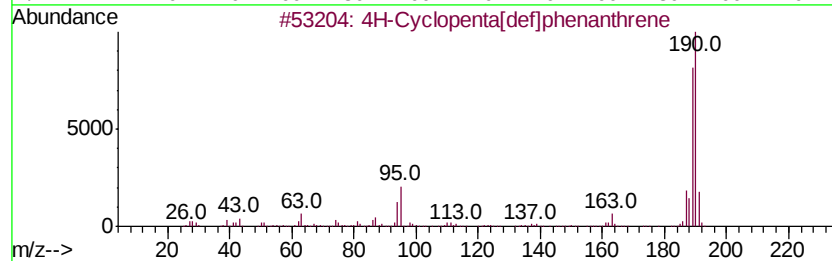
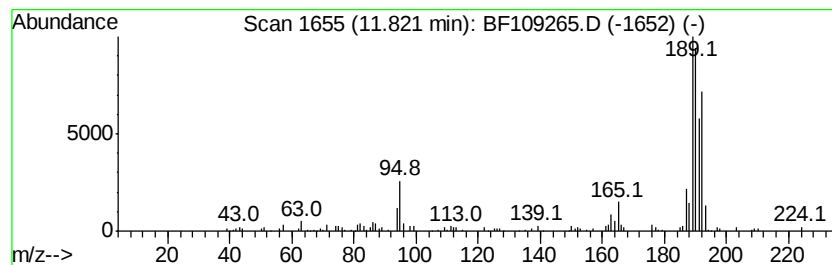
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BNA_F
ClientSampleId :
JC-02-092118-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.82	2.16 ng	122158	Phenanthrene-d10	11.22		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3		Pvrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	46
4		Naphtho[1,2-b]norboreadiene	192	C15H12	1000210-14-8	42
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109265.D
Acq On : 24 Sep 2018 14:15
Operator : JU/SJ
Sample : J4770-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

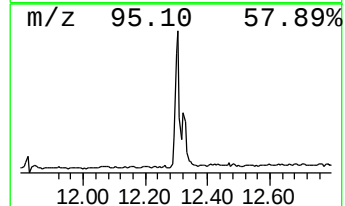
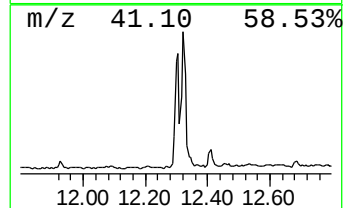
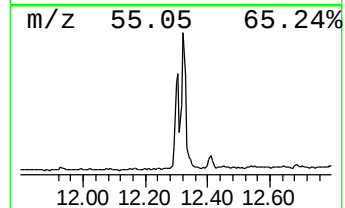
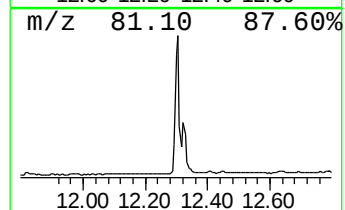
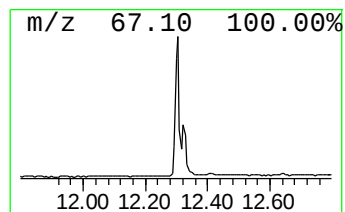
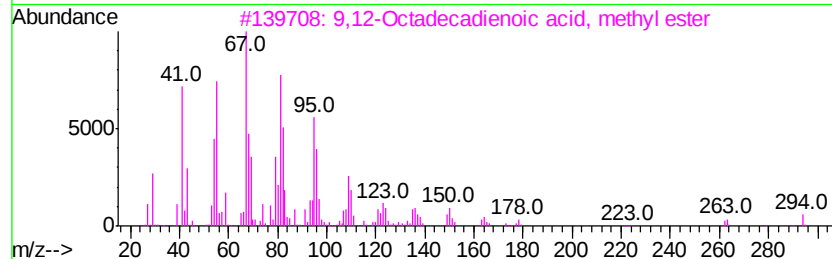
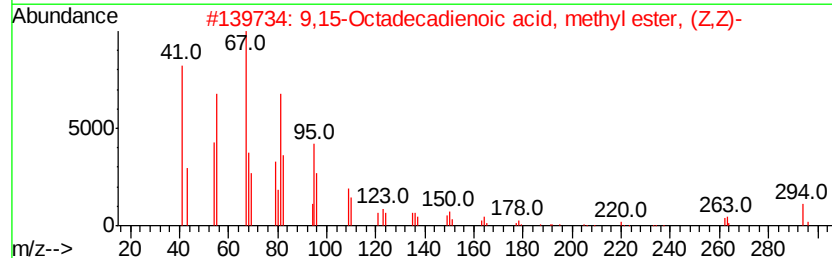
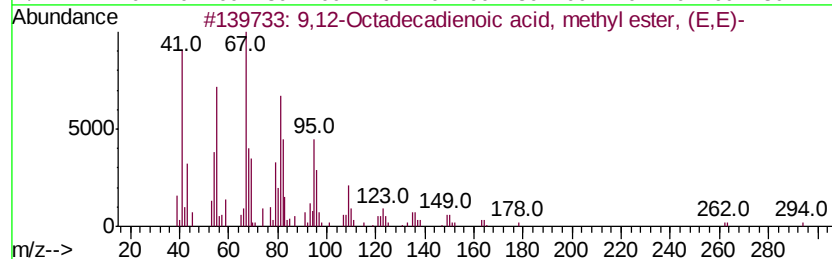
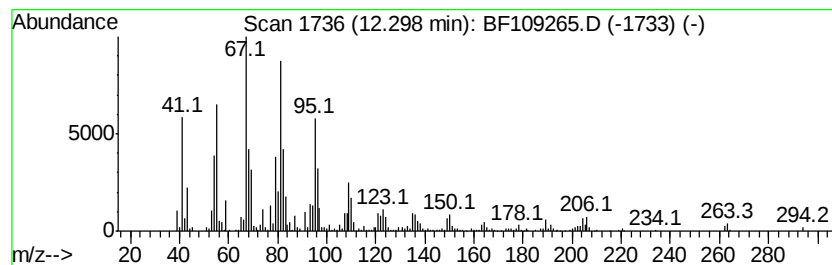
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ClientSampleId :
JC-02-092118-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9,12-Octadecadienoic acid, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.30	12.99 ng	734295	Phenanthrene-d10	11.22		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99	
2	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99	
3	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99	
4	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99	
5	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109265.D
Acq On : 24 Sep 2018 14:15
Operator : JU/SJ
Sample : J4770-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

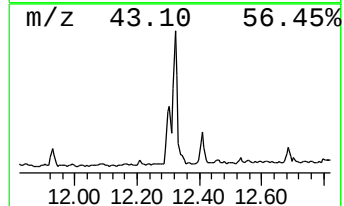
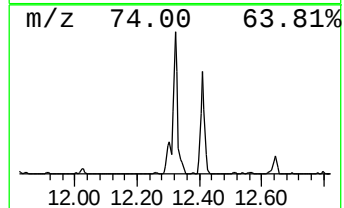
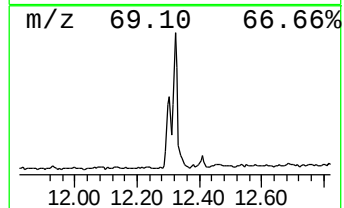
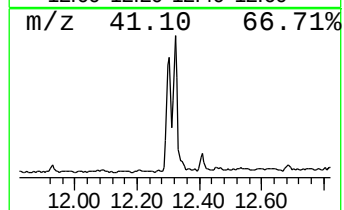
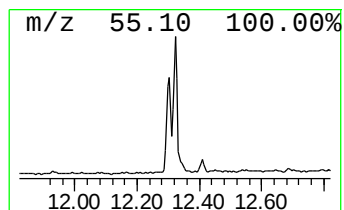
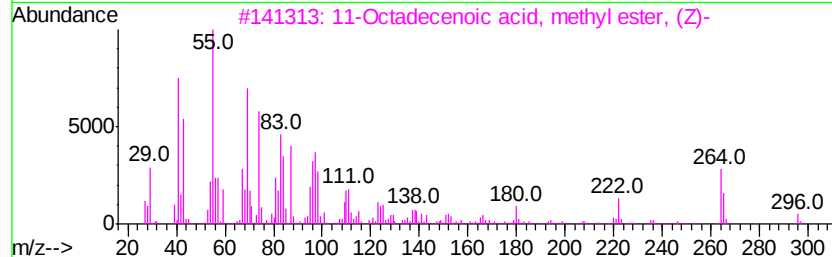
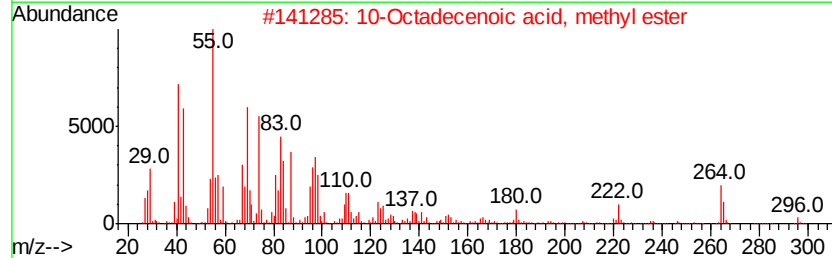
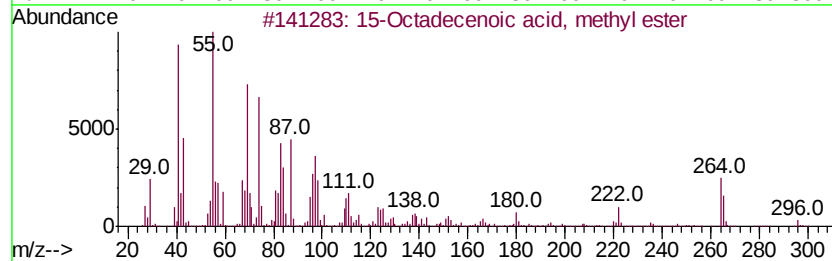
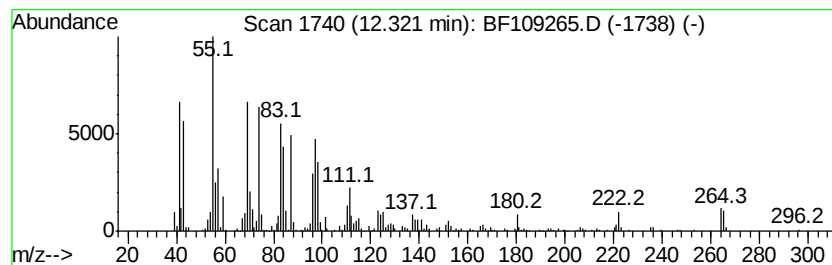
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ClientSampleId :
JC-02-092118-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 15-Octadecenoic acid, methyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.32	14.67 ng	829430	Phenanthrene-d10	11.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	94
2	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	94
3	11-Octadecenoic acid, methyl ester	296	C19H36O2	001937-63-9	93
4	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	91
5	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109265.D
Acq On : 24 Sep 2018 14:15
Operator : JU/SJ
Sample : J4770-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JC-02-092118-A

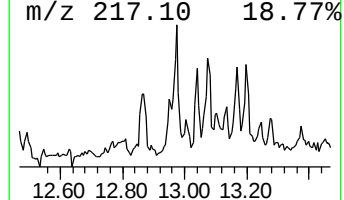
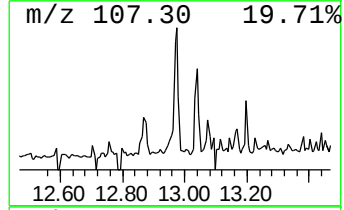
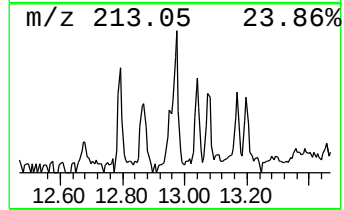
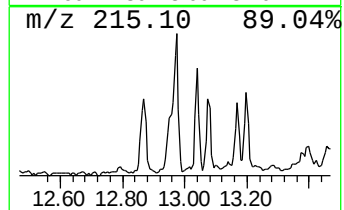
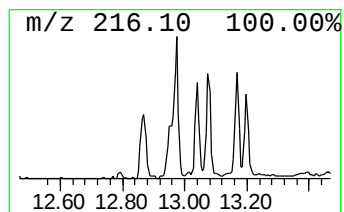
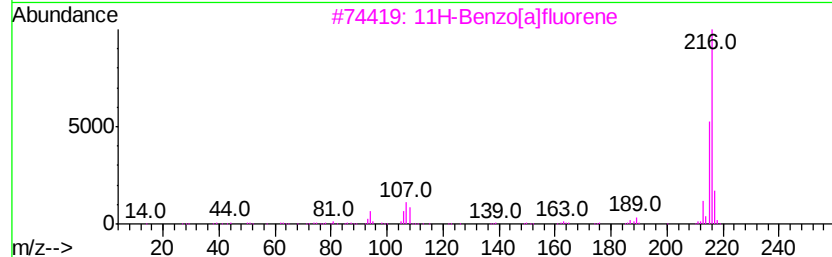
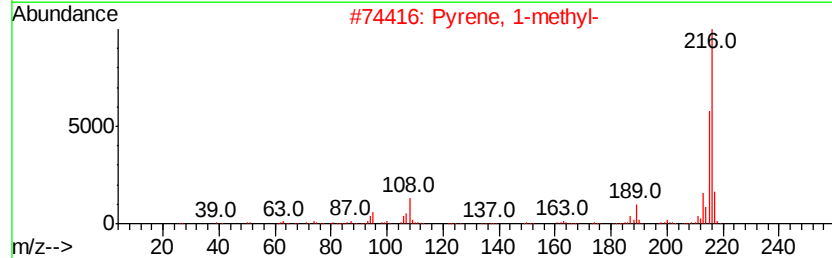
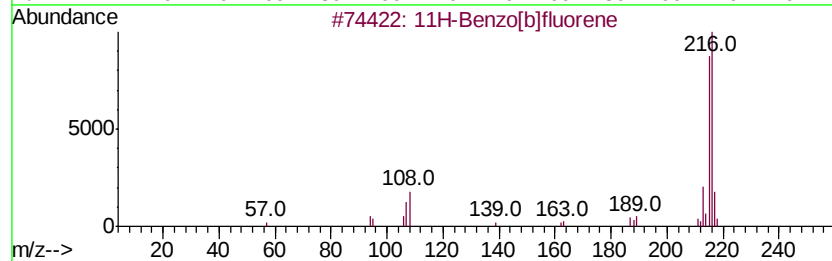
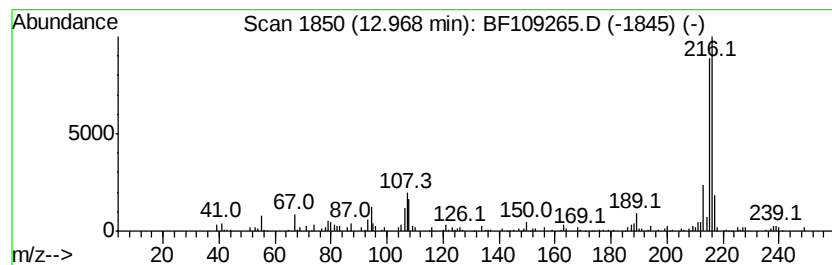
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	2.28 ng	128860	Chrysene-d12	13.84

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5		Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109265.D
Acq On : 24 Sep 2018 14:15
Operator : JU/SJ
Sample : J4770-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JC-02-092118-A

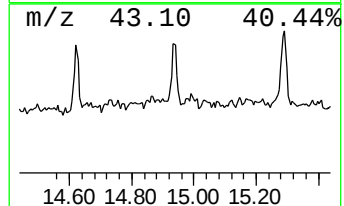
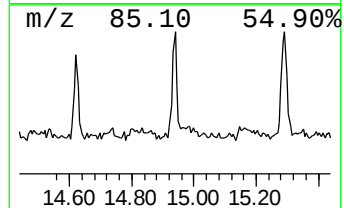
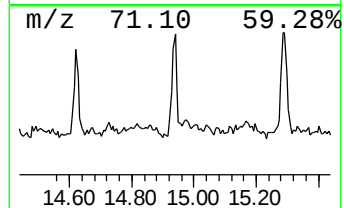
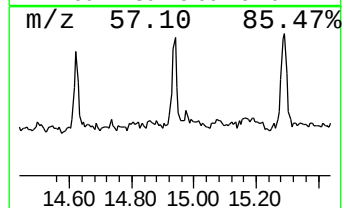
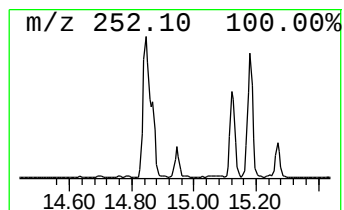
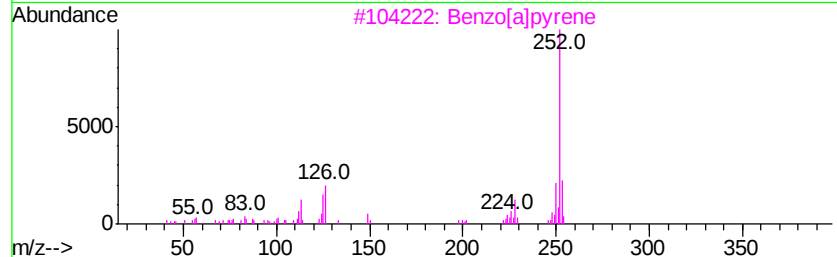
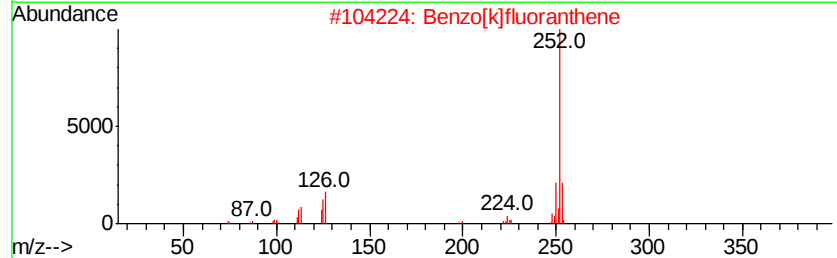
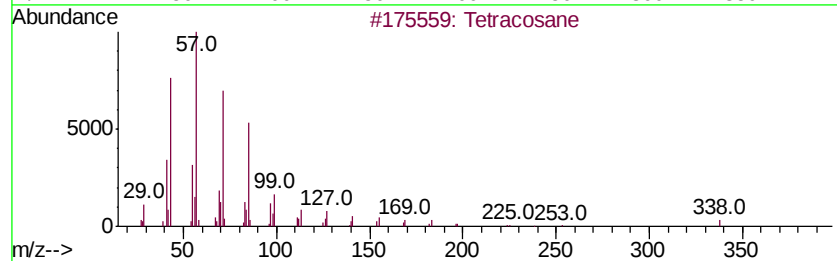
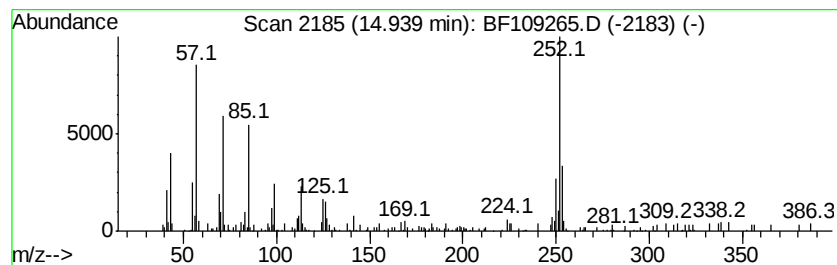
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Tetracosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	3.04 ng	116342	Perylene-d12	15.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	72
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	55
3		Benzo[a]pyrene	252	C20H12	000050-32-8	53
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	46
5		Benzo[e]pyrene	252	C20H12	000192-97-2	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109265.D
Acq On : 24 Sep 2018 14:15
Operator : JU/SJ
Sample : J4770-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

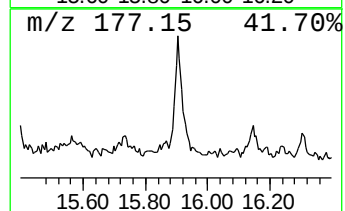
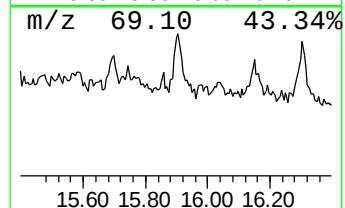
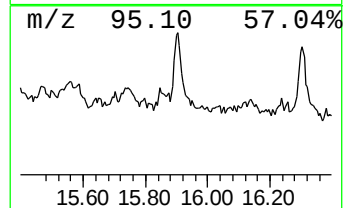
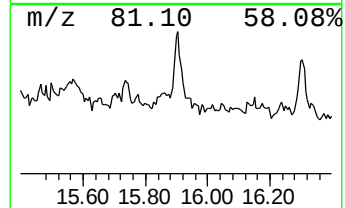
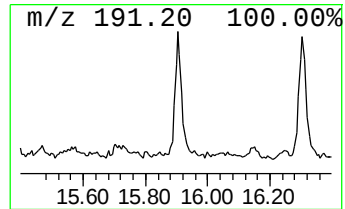
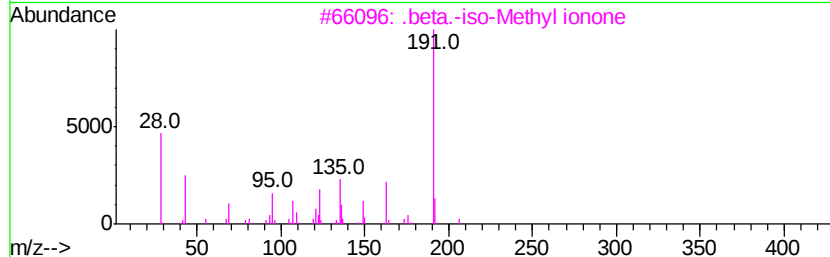
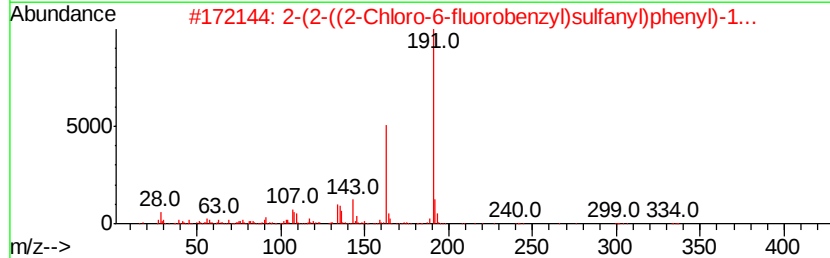
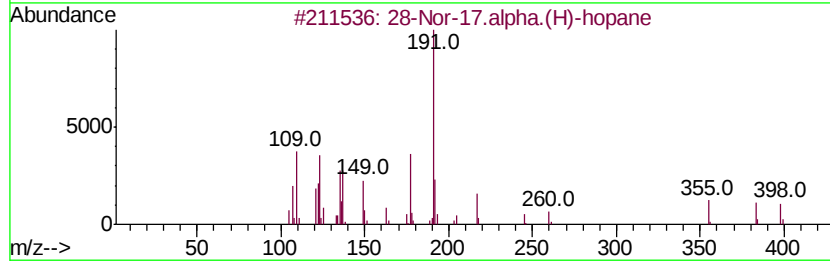
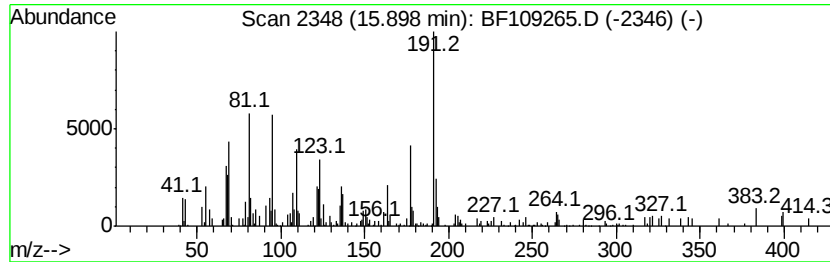
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 28-Nor-17.alpha.(H)-hopane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	6.47 ng	247810	Perylene-d12	15.24
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	28-Nor-17.alpha.(H)-hopane	398 C29H50	053584-60-4	86
2	2-(2-((2-Chloro-6-fluorobenzyl)s...	334 C17H16ClFN2S	1000298-18-2	38
3	.beta.-iso-Methyl ionone	206 C14H22O	1000285-40-2	32
4	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206 C14H22O	1000195-40-9	25
5	3-Fluoro-4-trifluoromethylbenzoi...	354 C16H19ClF4O2	1000360-59-9	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092418\
 Data File : BF109265.D
 Acq On : 24 Sep 2018 14:15
 Operator : JU/SJ
 Sample : J4770-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Hexadecanoic acid...	11.62	4.6	ng	259400	4	11.22	1130540	20.0
Phenanthrene, 2-m...	11.74	2.2	ng	125928	4	11.22	1130540	20.0
4H-Cyclopenta[def...	11.82	2.2	ng	122158	4	11.22	1130540	20.0
9,12-Octadecadien...	12.30	13.0	ng	734295	4	11.22	1130540	20.0
15-Octadecenoic a...	12.32	14.7	ng	829430	4	11.22	1130540	20.0
11H-Benzo[b]fluorene	12.97	2.3	ng	128860	5	13.84	1129450	20.0
Tetracosane	14.94	3.0	ng	116342	6	15.24	766200	20.0
28-Nor-17.alpha.(...	15.90	6.5	ng	247810	6	15.24	766200	20.0