

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
 Data File : BF109045.D
 Acq On : 17 Sep 2018 13:51
 Operator : JU/SJ
 Sample : J4773-01 4X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-091418-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-BF091418.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	4.895	431	435	440	rBV	17821	20031	1.27%	0.123%
2	5.319	503	507	515	rBV	467960	438924	27.76%	2.693%
3	6.342	678	681	689	rBV	551891	445935	28.20%	2.736%
4	6.484	701	705	708	rBV	586425	460196	29.11%	2.823%
5	6.719	742	745	749	rBV	926255	740392	46.83%	4.542%
6	6.878	768	772	775	rBV	404699	358339	22.66%	2.198%
7	7.272	836	839	843	rBV	311675	252233	15.95%	1.547%
8	8.001	959	963	966	rBV	1114838	878314	55.55%	5.389%
9	8.442	1035	1038	1042	rBV3	22843	25025	1.58%	0.154%
10	8.713	1080	1084	1088	rVB2	22230	23680	1.50%	0.145%
11	8.813	1097	1101	1106	rVB4	20799	28607	1.81%	0.176%
12	9.036	1136	1139	1142	rVB3	25070	23265	1.47%	0.143%
13	9.078	1142	1146	1149	rBV	500137	439249	27.78%	2.695%
14	9.172	1157	1162	1167	rBV4	27129	31712	2.01%	0.195%
15	9.336	1186	1190	1193	rBV4	17033	24723	1.56%	0.152%
16	9.466	1210	1212	1215	rBV	54783	54458	3.44%	0.334%
17	9.607	1233	1236	1239	rBV	71634	61765	3.91%	0.379%
18	9.701	1249	1252	1256	rBV	36730	29091	1.84%	0.178%
19	9.748	1256	1260	1264	rVV	1023977	886446	56.07%	5.438%
20	9.783	1264	1266	1269	rVB2	22815	18173	1.15%	0.111%
21	9.954	1292	1295	1298	rVB	36411	32426	2.05%	0.199%
22	10.066	1310	1314	1317	rBV4	12236	17681	1.12%	0.108%
23	10.195	1333	1336	1339	rVB2	41391	32697	2.07%	0.201%
24	10.295	1350	1353	1360	rVB	63733	60197	3.81%	0.369%
25	10.413	1369	1373	1376	rBV3	21621	26085	1.65%	0.160%
26	10.530	1390	1393	1399	rVB	316391	269041	17.02%	1.651%
27	10.666	1412	1416	1417	rBV2	43091	35639	2.25%	0.219%
28	10.683	1417	1419	1423	rVB	41565	32446	2.05%	0.199%
29	10.842	1442	1446	1448	rBV2	21086	22495	1.42%	0.138%
30	10.989	1469	1471	1476	rVB5	15581	17222	1.09%	0.106%
31	11.119	1489	1493	1495	rBV3	36930	45057	2.85%	0.276%
32	11.148	1495	1498	1502	rVB	26050	27760	1.76%	0.170%
33	11.224	1508	1511	1513	rBV	1076903	930235	58.84%	5.707%
34	11.248	1513	1515	1519	rVV	457352	354435	22.42%	2.174%

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35	11.301	1519	1524	1527	rVV	131679	108717	6.88%	0.667%
36	11.336	1527	1530	1533	rBV3	19330	20450	1.29%	0.125%
37	11.454	1548	1550	1553	rBV	25607	22915	1.45%	0.141%
38	11.536	1560	1564	1566	rBV2	20413	27090	1.71%	0.166%
39	11.554	1566	1567	1571	rVB2	21973	16672	1.05%	0.102%
40	11.636	1578	1581	1586	rVB2	124482	102962	6.51%	0.632%
41	11.724	1593	1596	1599	rBV	82843	79626	5.04%	0.489%
42	11.754	1599	1601	1606	rVV	134890	121092	7.66%	0.743%
43	11.801	1606	1609	1612	rVV	59177	50101	3.17%	0.307%
44	11.836	1612	1615	1618	rVV	164499	175924	11.13%	1.079%
45	11.860	1618	1619	1622	rVV	73724	40040	2.53%	0.246%
46	11.907	1625	1627	1629	rBV3	21400	20427	1.29%	0.125%
47	11.942	1631	1633	1638	rVB4	19106	26862	1.70%	0.165%
48	12.018	1643	1646	1649	rBV	56298	56470	3.57%	0.346%
49	12.171	1670	1672	1675	rVB2	21260	16149	1.02%	0.099%
50	12.201	1675	1677	1679	rBV	30554	25008	1.58%	0.153%
51	12.224	1679	1681	1684	rVB2	30208	22402	1.42%	0.137%
52	12.277	1686	1690	1692	rBV	77375	84206	5.33%	0.517%
53	12.318	1692	1697	1698	rBV2	127985	141687	8.96%	0.869%
54	12.336	1698	1700	1703	rVB3	282894	228155	14.43%	1.400%
55	12.430	1712	1716	1721	rBV	817838	749380	47.40%	4.597%
56	12.483	1722	1725	1730	rVV4	36124	47242	2.99%	0.290%
57	12.524	1730	1732	1735	rVV	55940	41396	2.62%	0.254%
58	12.566	1736	1739	1740	rBV3	33084	29122	1.84%	0.179%
59	12.583	1740	1742	1746	rVB3	43210	42840	2.71%	0.263%
60	12.660	1749	1755	1758	rBV	696236	697300	44.10%	4.278%
61	12.707	1761	1763	1764	rBV2	25344	17665	1.12%	0.108%
62	12.777	1772	1775	1777	rBV	41376	36219	2.29%	0.222%
63	12.807	1777	1780	1787	rVB	588523	536424	33.93%	3.291%
64	12.883	1787	1793	1795	rBV2	69675	107896	6.82%	0.662%
65	12.965	1804	1807	1808	rBV2	47486	48962	3.10%	0.300%
66	12.989	1808	1811	1814	rVB	164120	151430	9.58%	0.929%
67	13.054	1819	1822	1825	rBV	174381	139582	8.83%	0.856%
68	13.089	1825	1828	1832	rVV	99739	93667	5.92%	0.575%
69	13.148	1836	1838	1840	rBV3	21077	17076	1.08%	0.105%
70	13.183	1841	1844	1846	rVB	58323	48196	3.05%	0.296%
71	13.213	1846	1849	1853	rBV2	64724	63547	4.02%	0.390%

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72	13.395	1877	1880	1885	rBV3	38035	61565	3.89%	0.378%
73	13.465	1890	1892	1894	rBV3	21577	24853	1.57%	0.152%
74	13.554	1905	1907	1909	rBV2	22769	22572	1.43%	0.138%
75	13.601	1911	1915	1918	rBV2	71353	84319	5.33%	0.517%
76	13.630	1918	1920	1922	rBV	58556	38593	2.44%	0.237%
77	13.654	1922	1924	1925	rBV	33628	26260	1.66%	0.161%
78	13.724	1934	1936	1940	rBV4	31689	27265	1.72%	0.167%
79	13.854	1953	1958	1960	rBV2	1371560	1581077	100.00%	9.700%
80	13.877	1960	1962	1964	rVB	390847	286547	18.12%	1.758%
81	13.954	1973	1975	1978	rVB	42086	30455	1.93%	0.187%
82	13.989	1979	1981	1984	rVV	35620	31587	2.00%	0.194%
83	14.036	1987	1989	1992	rVV	57897	48551	3.07%	0.298%
84	14.201	2015	2017	2019	rBV2	36493	38032	2.41%	0.233%
85	14.236	2020	2023	2026	rVV	103040	107821	6.82%	0.661%
86	14.271	2027	2029	2032	rVB	44712	40845	2.58%	0.251%
87	14.336	2037	2040	2043	rBV4	47368	79374	5.02%	0.487%
88	14.642	2089	2092	2097	rVB3	72643	87478	5.53%	0.537%
89	14.859	2125	2129	2132	rBV	295733	444943	28.14%	2.730%
90	14.959	2143	2146	2151	rVB	146178	159067	10.06%	0.976%
91	15.142	2173	2177	2182	rBV	161193	209991	13.28%	1.288%
92	15.195	2182	2186	2190	rVV	257798	286161	18.10%	1.756%
93	15.259	2192	2197	2200	rVV	766758	934242	59.09%	5.732%
94	15.312	2204	2206	2209	rVB	93655	87117	5.51%	0.534%
95	16.601	2422	2425	2434	rVB2	88291	162160	10.26%	0.995%

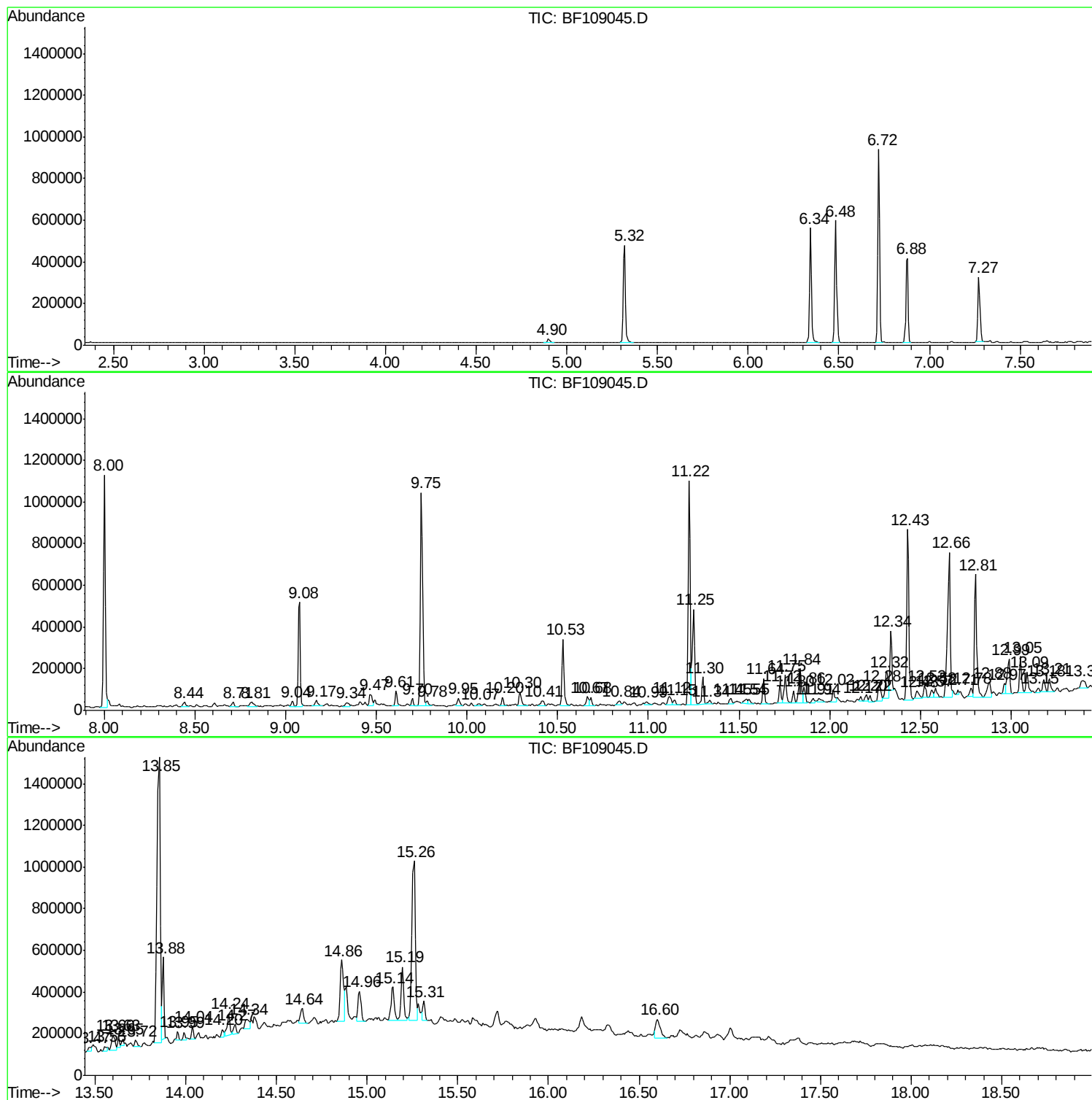
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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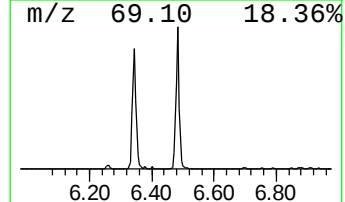
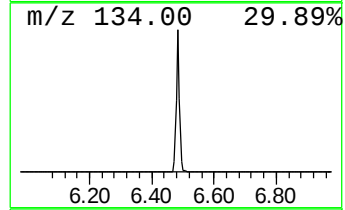
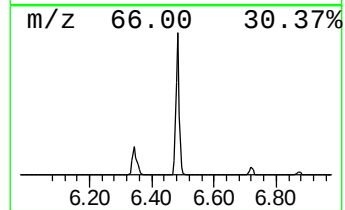
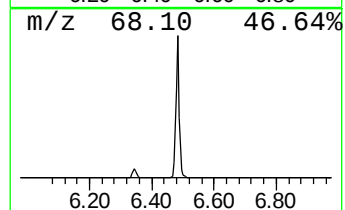
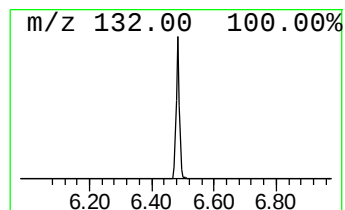
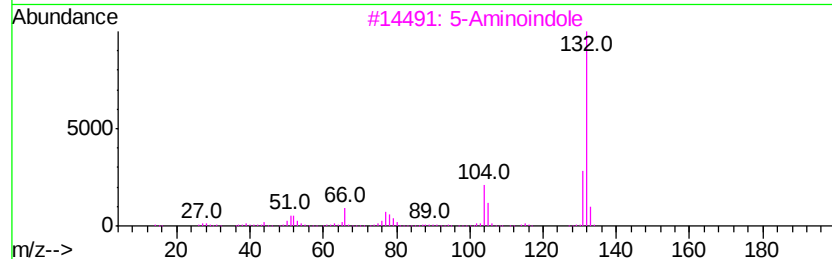
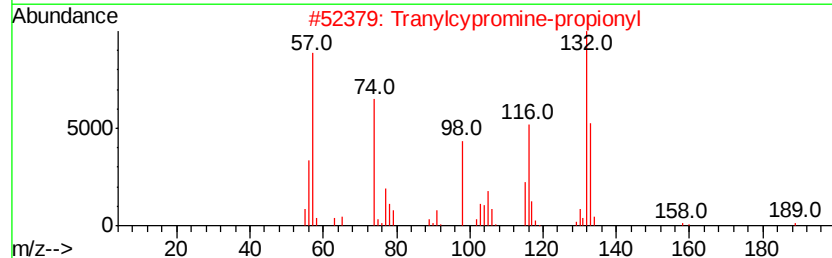
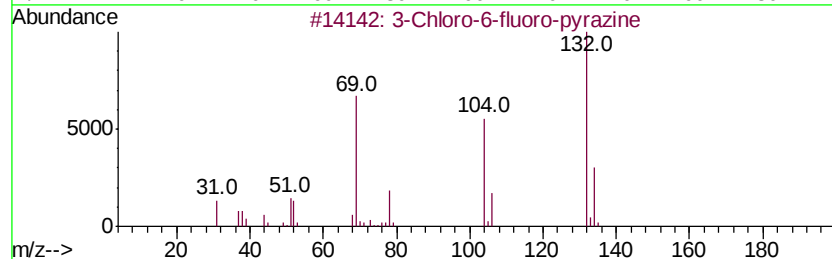
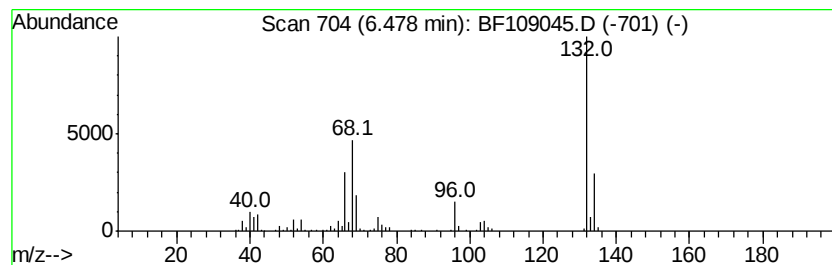
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.48 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	12.43 ng	460196	1,4-Dichlorobenzene-d4	6.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		5-Aminoindole	132	C8H8N2	005192-03-0	10
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9



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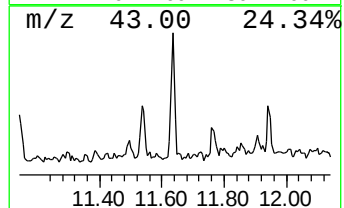
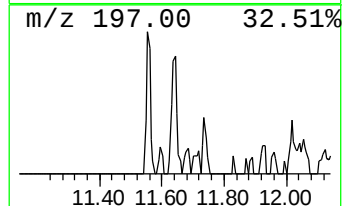
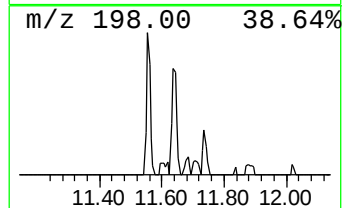
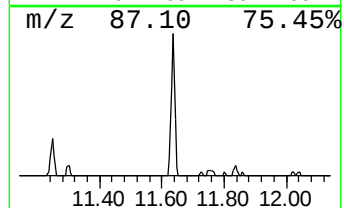
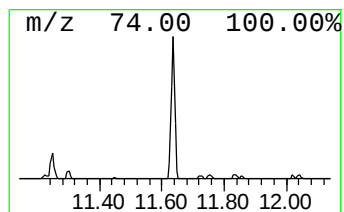
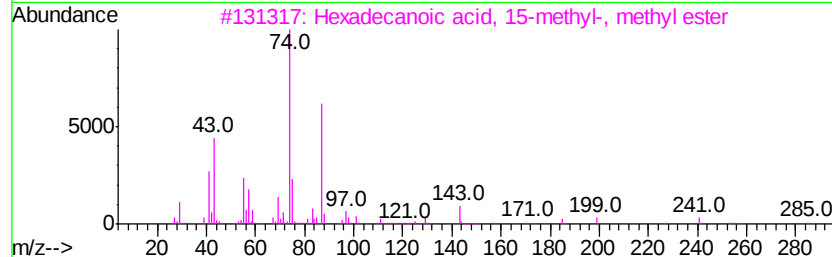
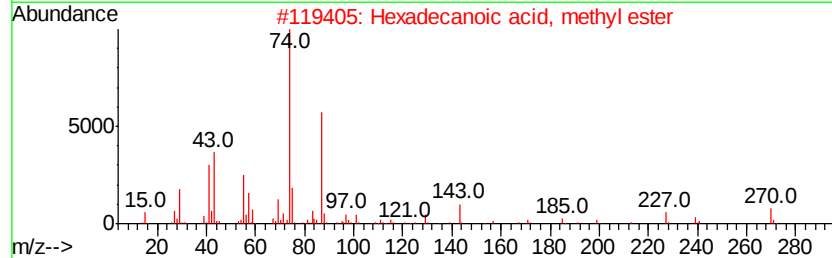
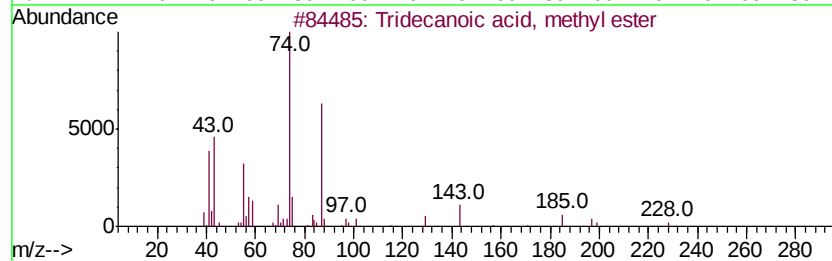
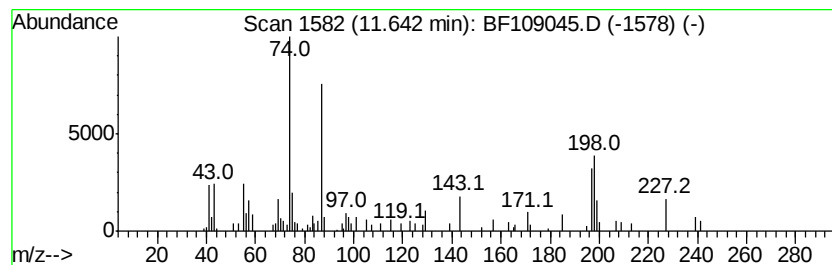
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Peak Number 3 Tridecanoic acid, methyl ester Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.64	2.21 ng	102962	Phenanthrene-d10	11.22		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	81
2		Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	80
3		Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	72
4		Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	72
5		Methyl tetradecanoate	242	C15H30O2	000124-10-7	72



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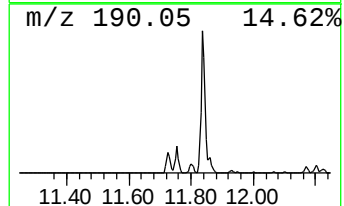
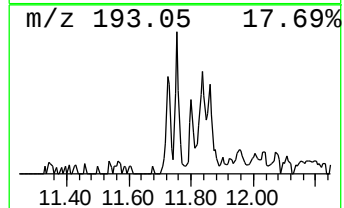
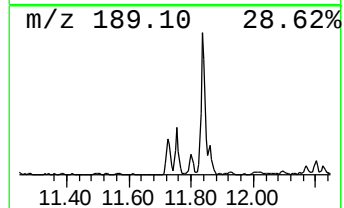
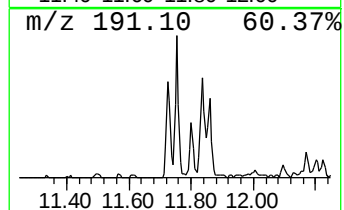
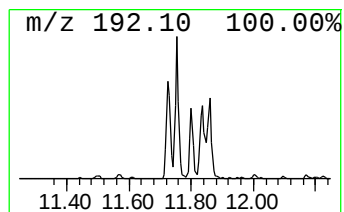
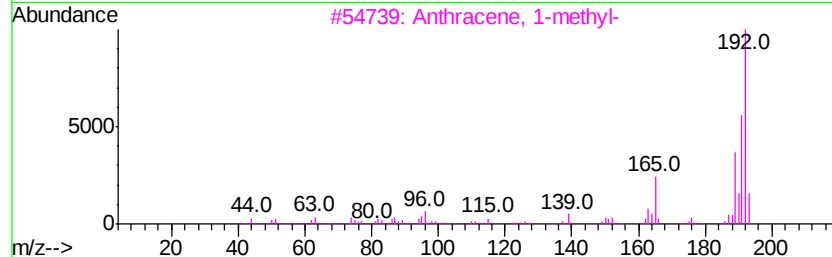
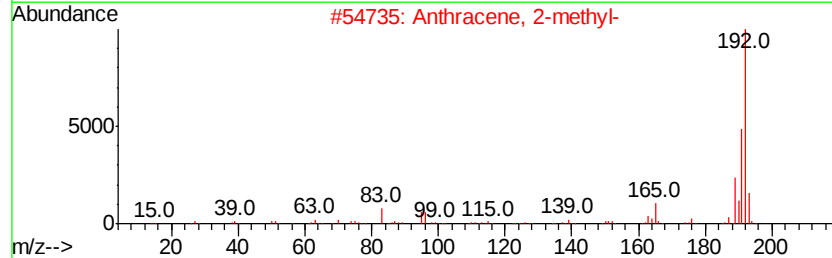
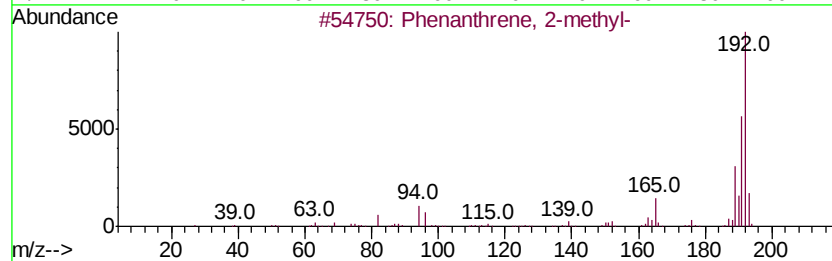
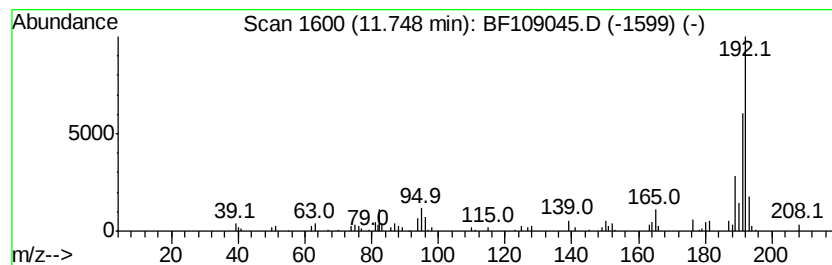
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Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.75	2.60 ng	121092	Phenanthrene-d10	11.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
Data File : BF109045.D
Acq On : 17 Sep 2018 13:51
Operator : JU/SJ
Sample : J4773-01 4X
Misc :
ALS Vial : 9 Sample Multiplier: 1

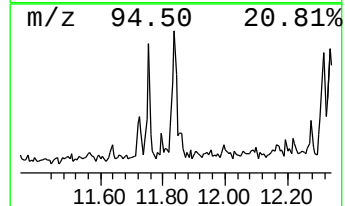
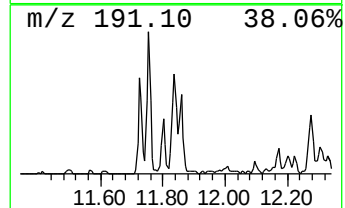
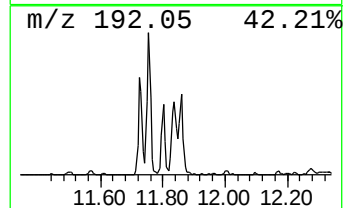
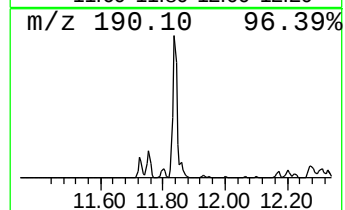
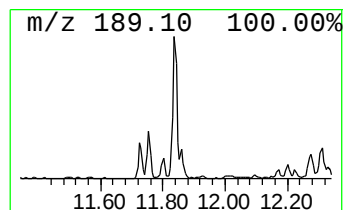
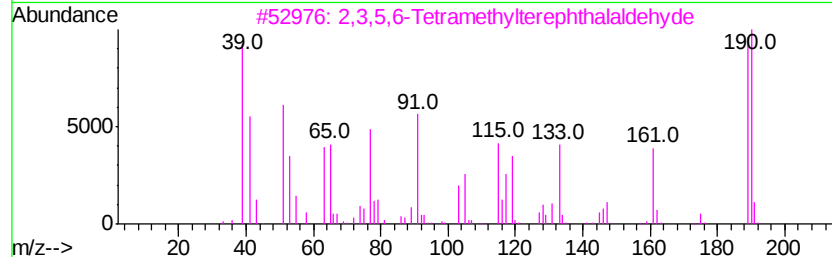
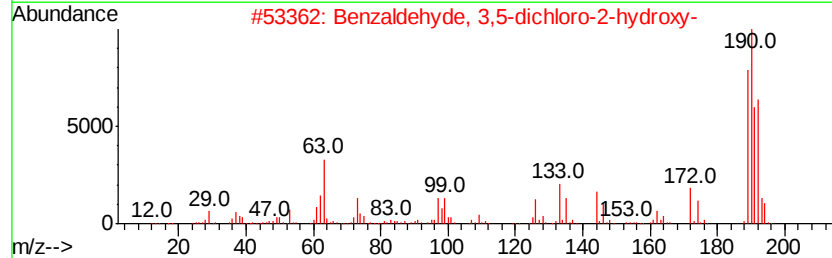
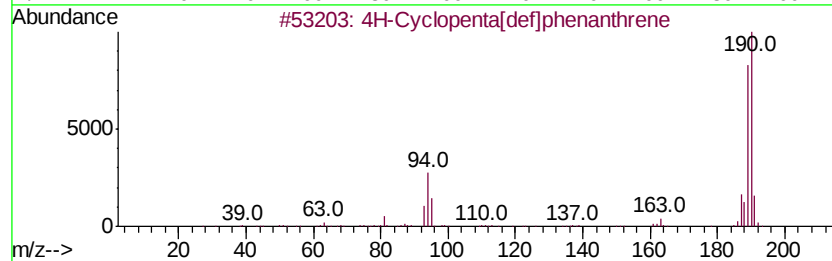
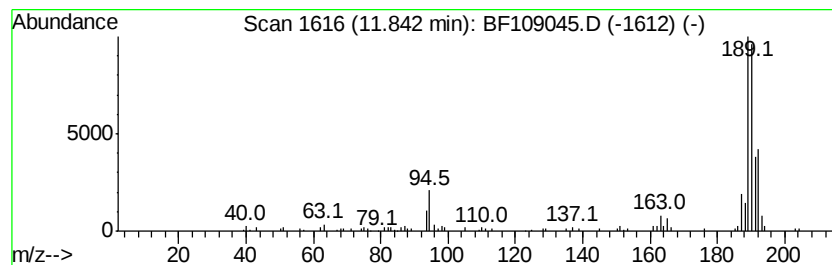
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ClientSampleId :
CL-01-091418-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.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 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.84	3.78 ng	175924	Phenanthrene-d10	11.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	46
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	30
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
Data File : BF109045.D
Acq On : 17 Sep 2018 13:51
Operator : JU/SJ
Sample : J4773-01 4X
Misc :
ALS Vial : 9 Sample Multiplier: 1

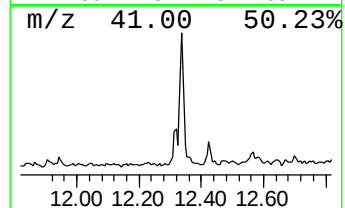
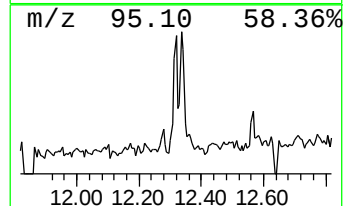
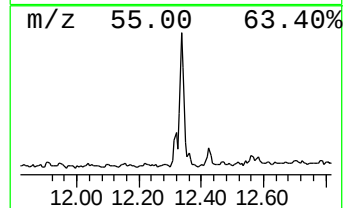
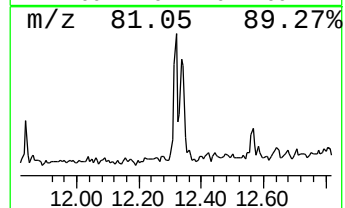
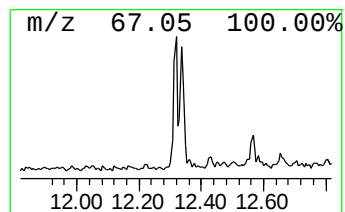
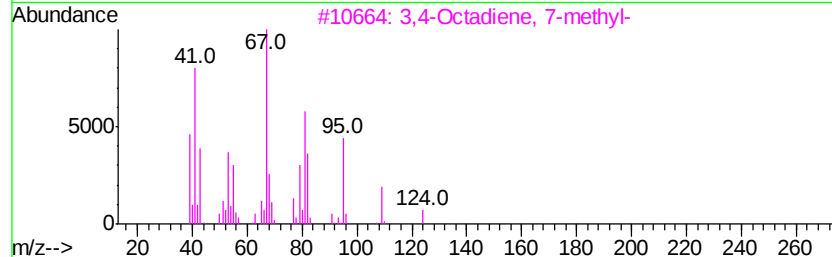
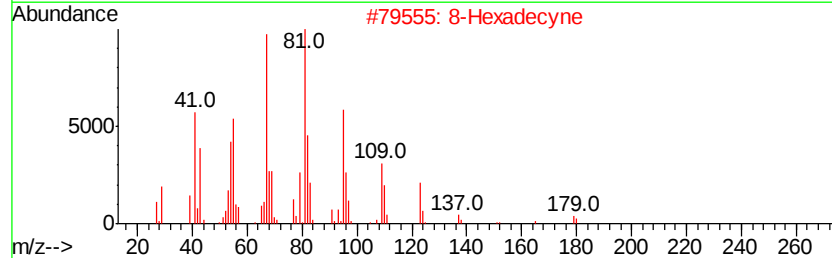
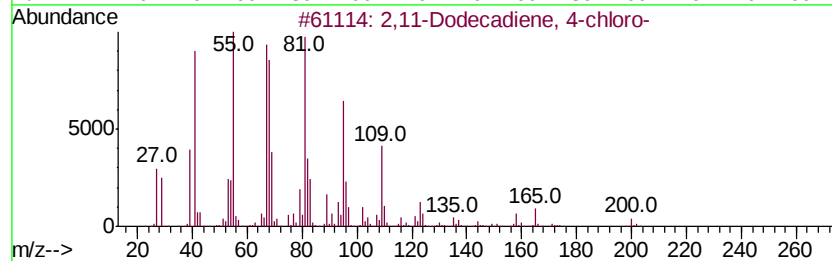
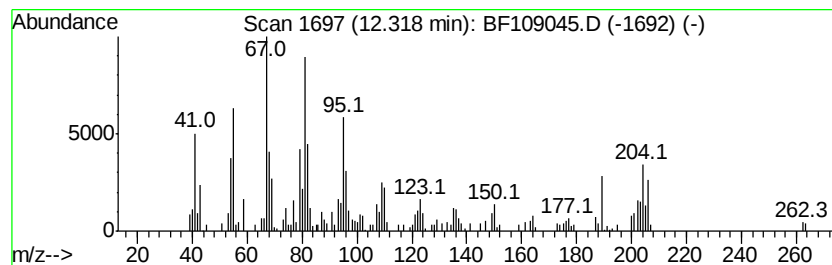
Instrument :
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ClientSampleId :
CL-01-091418-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 2,11-Dodecadiene, 4-chloro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.32	3.05 ng	141687	Phenanthrene-d10	11.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,11-Dodecadiene, 4-chloro-	200	C12H21Cl	1000155-54-5	76
2	8-Hexadecyne	222	C16H30	019781-86-3	74
3	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	62
4	5-Undecyne	152	C11H20	002294-72-6	58
5	4,5-Nonadiene, 2-methyl-	138	C10H18	055956-32-6	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
Data File : BF109045.D
Acq On : 17 Sep 2018 13:51
Operator : JU/SJ
Sample : J4773-01 4X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-A

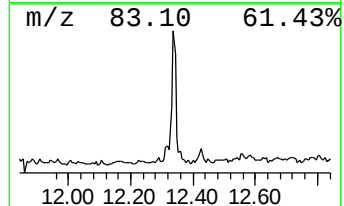
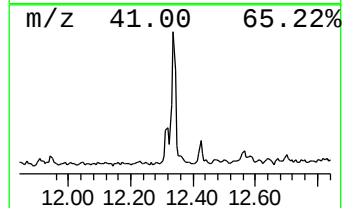
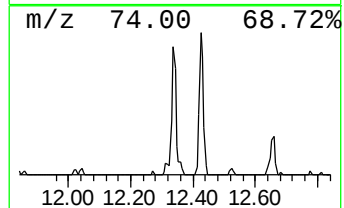
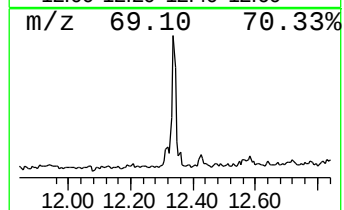
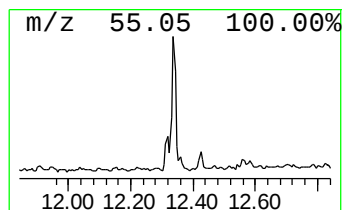
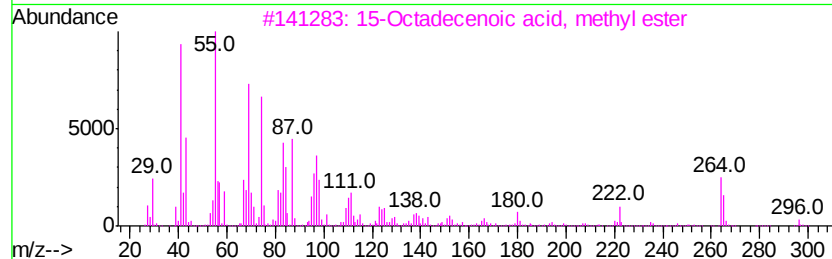
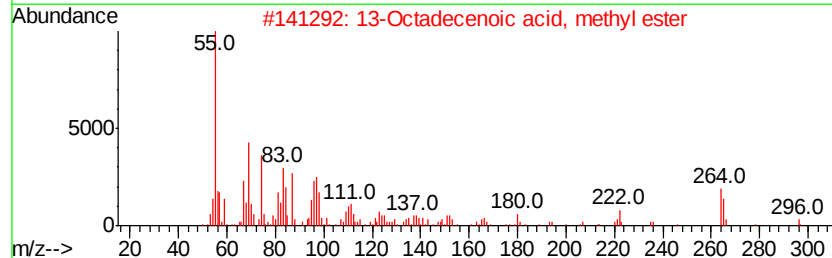
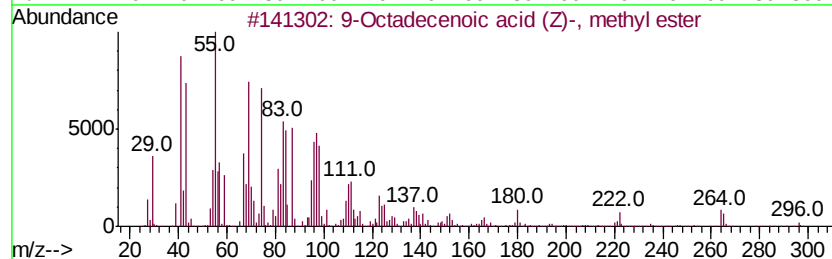
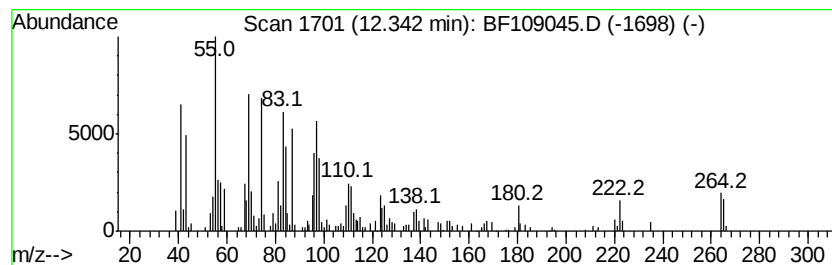
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9-Octadecenoic acid (Z)-, m... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	4.91 ng	228155	Phenanthrene-d10	11.22

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	95
2		13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	91
3		15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	91
4		14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	91
5		10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
Data File : BF109045.D
Acq On : 17 Sep 2018 13:51
Operator : JU/SJ
Sample : J4773-01 4X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-A

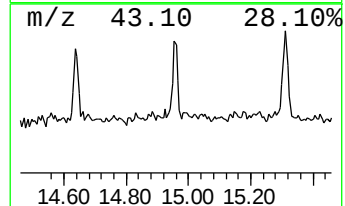
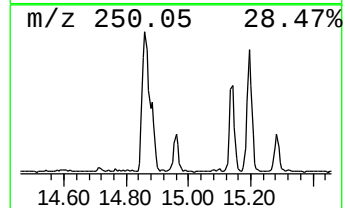
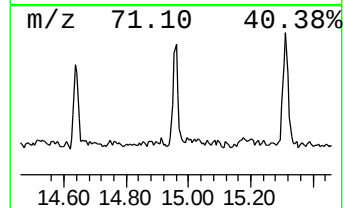
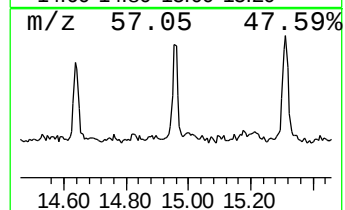
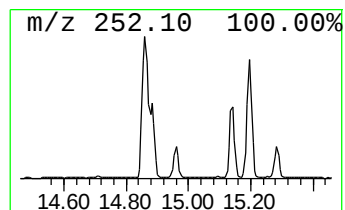
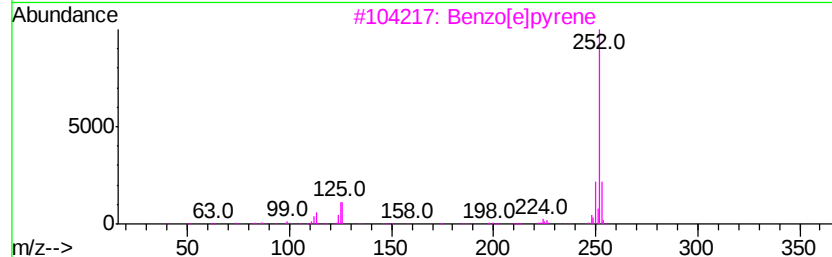
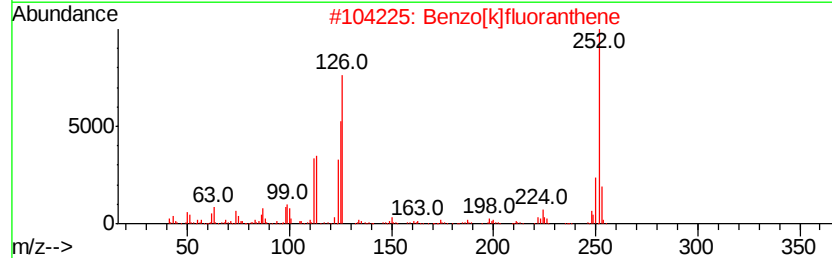
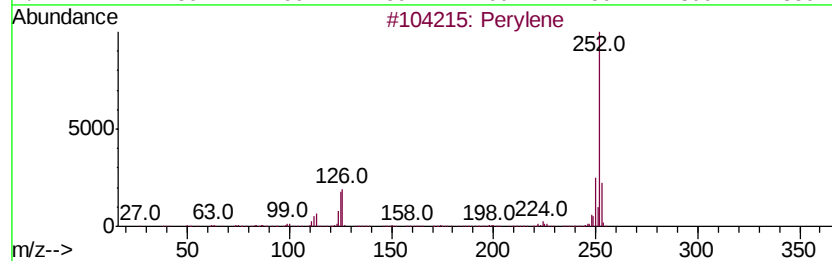
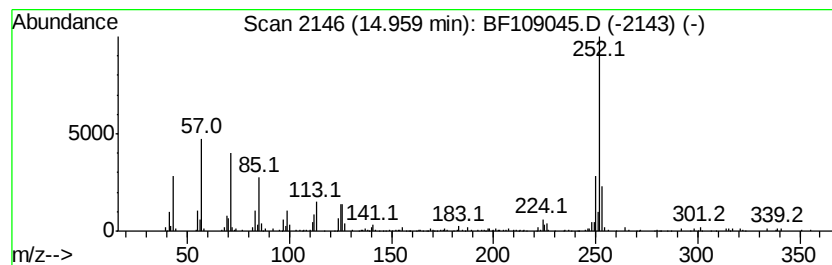
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Perylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	3.41 ng	159067	Perylene-d12	15.26

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Perylene	252	C20H12	000198-55-0	90
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3		Benzo[e]pyrene	252	C20H12	000192-97-2	89
4		Benzo[a]pyrene	252	C20H12	000050-32-8	87
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
Data File : BF109045.D
Acq On : 17 Sep 2018 13:51
Operator : JU/SJ
Sample : J4773-01 4X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-A

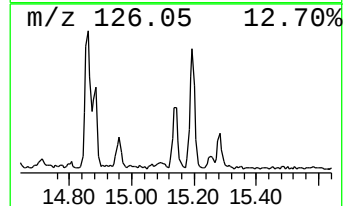
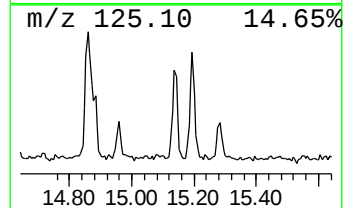
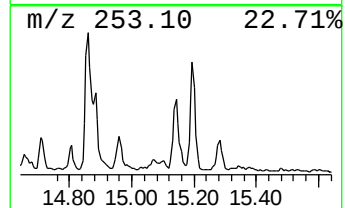
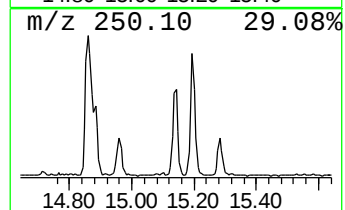
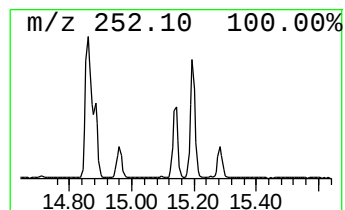
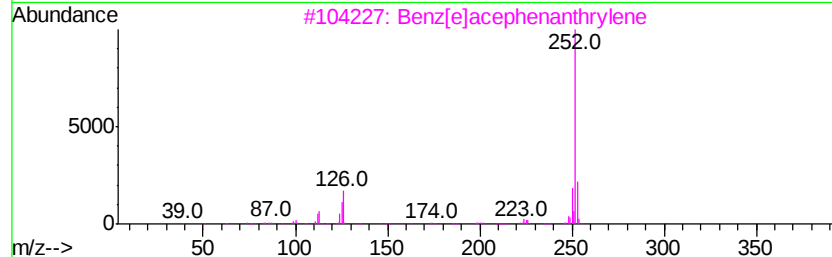
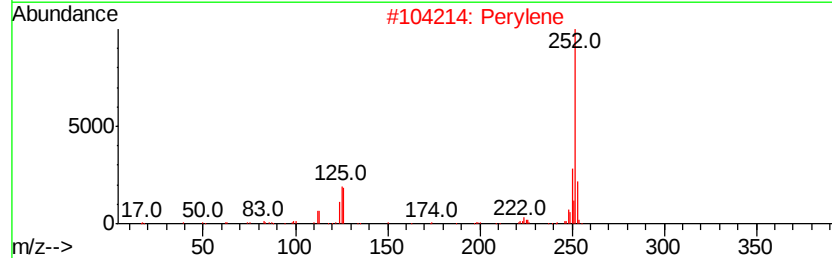
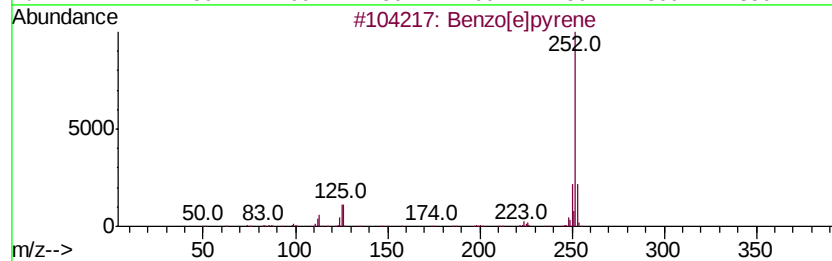
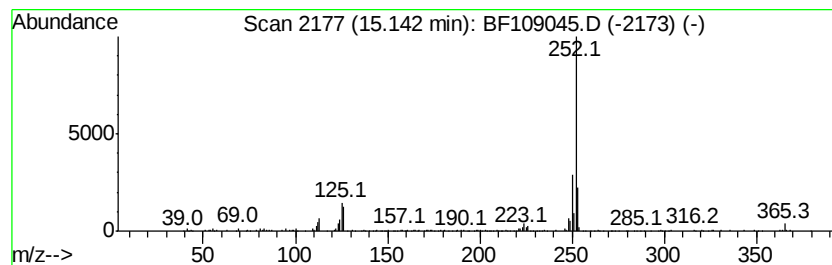
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	4.50 ng	209991	Perylene-d12	15.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Perylene	252	C20H12	000198-55-0	96
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	95
4		Benzo[a]pyrene	252	C20H12	000050-32-8	94
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091718\
Data File : BF109045.D
Acq On : 17 Sep 2018 13:51
Operator : JU/SJ
Sample : J4773-01 4X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.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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Tridecanoic acid,...	11.64	2.2	ng	102962	4	11.22	930235	20.0
Phenanthrene, 2-m...	11.75	2.6	ng	121092	4	11.22	930235	20.0
4H-Cyclopenta[def...	11.84	3.8	ng	175924	4	11.22	930235	20.0
2,11-Dodecadiene,...	12.32	3.0	ng	141687	4	11.22	930235	20.0
9-Octadecenoic ac...	12.34	4.9	ng	228155	4	11.22	930235	20.0
Perylene	14.96	3.4	ng	159067	6	15.26	934242	20.0
Benzo[e]pyrene	15.14	4.5	ng	209991	6	15.26	934242	20.0