

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080619\
 Data File : BF116037.D
 Acq On : 7 Aug 2019 4:05
 Operator : HP/JU
 Sample : K4090-03 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080219-B

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-BF073019.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	3.899	302	308	325	rVB	138775	208215	3.71%	0.353%
2	5.463	570	574	596	rBV	1066715	1236539	22.06%	2.098%
3	6.469	742	745	766	rBV	1140292	1356161	24.20%	2.301%
4	6.610	766	769	779	rVV	1511412	1352623	24.13%	2.295%
5	6.840	805	808	822	rBV	808940	742521	13.25%	1.260%
6	6.998	831	835	844	rBV	1273408	1097434	19.58%	1.862%
7	7.398	900	903	917	rBV	736731	819700	14.62%	1.391%
8	8.122	1021	1026	1029	rBV	1070618	956661	17.07%	1.623%
9	8.145	1029	1030	1040	rVB	176430	144907	2.59%	0.246%
10	8.839	1145	1148	1152	rBV	92098	91002	1.62%	0.154%
11	8.934	1161	1164	1172	rBV	92382	101877	1.82%	0.173%
12	9.192	1205	1208	1219	rBV	1709199	1602937	28.60%	2.719%
13	9.281	1219	1223	1225	rBV	65711	66789	1.19%	0.113%
14	9.469	1250	1255	1258	rBV3	59156	79213	1.41%	0.134%
15	9.534	1263	1266	1269	rVV	95259	106079	1.89%	0.180%
16	9.586	1273	1275	1279	rVV	123856	150030	2.68%	0.255%
17	9.657	1283	1287	1292	rVB2	52112	62676	1.12%	0.106%
18	9.739	1298	1301	1305	rBV	111944	118850	2.12%	0.202%
19	9.804	1309	1312	1317	rVB	106218	95078	1.70%	0.161%
20	9.875	1317	1324	1327	rBV	1334076	1138398	20.31%	1.931%
21	9.910	1327	1330	1334	rVB	224994	213973	3.82%	0.363%
22	10.081	1355	1359	1363	rVB2	147230	146249	2.61%	0.248%
23	10.192	1375	1378	1381	rBV2	52978	62605	1.12%	0.106%
24	10.304	1395	1397	1400	rVB	173939	126458	2.26%	0.215%
25	10.422	1414	1417	1423	rBV	295294	301882	5.39%	0.512%
26	10.581	1441	1444	1447	rVB	71353	72828	1.30%	0.124%
27	10.663	1455	1458	1470	rVB	813208	872198	15.56%	1.480%
28	10.775	1474	1477	1485	rVB2	183318	255085	4.55%	0.433%
29	10.969	1506	1510	1513	rBV2	87428	116380	2.08%	0.197%
30	11.098	1528	1532	1534	rBV3	56553	69564	1.24%	0.118%
31	11.222	1548	1553	1556	rBV2	187391	201602	3.60%	0.342%
32	11.257	1556	1559	1565	rVB	186474	194646	3.47%	0.330%
33	11.363	1573	1577	1579	rBV	1147943	1094124	19.52%	1.856%
34	11.386	1579	1581	1584	rVV	1899919	1475180	26.32%	2.503%

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35	11.439	1587	1590	1593	rVB	520510	449813	8.03%	0.763%
36	11.592	1613	1616	1623	rBV	131395	185484	3.31%	0.315%
37	11.651	1623	1626	1628	rVV2	202293	167423	2.99%	0.284%
38	11.751	1639	1643	1646	rBV	2702307	2152205	38.40%	3.651%
39	11.863	1658	1662	1664	rBV	287265	251202	4.48%	0.426%
40	11.892	1664	1667	1672	rVV	471341	451407	8.05%	0.766%
41	11.939	1672	1675	1678	rVV	166651	163257	2.91%	0.277%
42	11.975	1678	1681	1684	rVV	573588	624231	11.14%	1.059%
43	11.998	1684	1685	1689	rVB	213215	134223	2.39%	0.228%
44	12.057	1690	1695	1700	rBV2	148925	182823	3.26%	0.310%
45	12.157	1709	1712	1715	rBV	236196	197723	3.53%	0.335%
46	12.192	1715	1718	1722	rVB	86245	85631	1.53%	0.145%
47	12.339	1740	1743	1745	rVV	118573	95806	1.71%	0.163%
48	12.363	1745	1747	1750	rVB	81895	69103	1.23%	0.117%
49	12.439	1756	1760	1762	rBV	4411292	4727711	84.35%	8.021%
50	12.463	1762	1764	1769	rVB	5556668	5604948	100.00%	9.509%
51	12.504	1769	1771	1774	rVB3	141439	143558	2.56%	0.244%
52	12.539	1774	1777	1780	rVB	1127793	899299	16.04%	1.526%
53	12.580	1780	1784	1787	rBV	3017587	2766449	49.36%	4.693%
54	12.639	1792	1794	1797	rVB	85484	78937	1.41%	0.134%
55	12.674	1797	1800	1803	rBV2	81982	74249	1.32%	0.126%
56	12.727	1805	1809	1812	rVB	115960	117868	2.10%	0.200%
57	12.810	1816	1823	1829	rBV	2646835	3000373	53.53%	5.090%
58	12.857	1829	1831	1835	rVB2	130892	158226	2.82%	0.268%
59	12.945	1840	1846	1848	rBV	1594560	1551349	27.68%	2.632%
60	12.969	1848	1850	1855	rVB	116892	118668	2.12%	0.201%
61	13.022	1855	1859	1863	rBV2	203009	368517	6.57%	0.625%
62	13.110	1870	1874	1875	rBV2	167207	183802	3.28%	0.312%
63	13.133	1875	1878	1881	rVV	523811	514052	9.17%	0.872%
64	13.198	1881	1889	1892	rVV	427231	598219	10.67%	1.015%
65	13.239	1892	1896	1898	rVV2	297804	337411	6.02%	0.572%
66	13.263	1898	1900	1903	rVB	173303	157613	2.81%	0.267%
67	13.327	1908	1911	1914	rBV	156589	160217	2.86%	0.272%
68	13.363	1914	1917	1920	rBV	173697	194229	3.47%	0.330%
69	13.427	1925	1928	1930	rBV3	59103	68212	1.22%	0.116%
70	13.510	1940	1942	1944	rBV	90521	87338	1.56%	0.148%
71	13.616	1957	1960	1963	rBV2	77764	111901	2.00%	0.190%

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72	13.645	1963	1965	1968	rVV	186345	163988	2.93%	0.278%
73	13.692	1969	1973	1979	rVB4	108808	189171	3.38%	0.321%
74	13.751	1980	1983	1986	rVV	251534	261394	4.66%	0.443%
75	13.780	1986	1988	1990	rVV	228356	184038	3.28%	0.312%
76	13.804	1990	1992	1996	rVV2	185929	271906	4.85%	0.461%
77	13.851	1998	2000	2004	rVB	137524	153019	2.73%	0.260%
78	13.927	2010	2013	2018	rVB2	144918	189400	3.38%	0.321%
79	13.998	2018	2025	2028	rBV2	1857798	2787717	49.74%	4.729%
80	14.027	2028	2030	2034	rVV	1278264	1275184	22.75%	2.163%
81	14.110	2042	2044	2047	rVB	283405	216378	3.86%	0.367%
82	14.157	2049	2052	2057	rVV3	182392	232257	4.14%	0.394%
83	14.227	2061	2064	2068	rBV2	115576	170583	3.04%	0.289%
84	14.351	2082	2085	2087	rBV	120849	114702	2.05%	0.195%
85	14.386	2087	2091	2094	rVV	288450	343062	6.12%	0.582%
86	14.421	2095	2097	2100	rVV	135377	115403	2.06%	0.196%
87	14.463	2101	2104	2106	rVV3	138702	155252	2.77%	0.263%
88	14.486	2106	2108	2110	rVV	131597	113640	2.03%	0.193%
89	14.516	2110	2113	2115	rVV	161824	156502	2.79%	0.266%
90	14.533	2115	2116	2121	rVB2	132941	131900	2.35%	0.224%
91	14.704	2143	2145	2148	rBV3	71534	95037	1.70%	0.161%
92	14.886	2172	2176	2179	rBV	205560	255897	4.57%	0.434%
93	15.045	2198	2203	2210	rBV	1214059	2315960	41.32%	3.929%
94	15.151	2218	2221	2226	rBV	243201	248798	4.44%	0.422%
95	15.345	2250	2254	2260	rVB	650956	829275	14.80%	1.407%
96	15.410	2261	2265	2270	rVV	1032477	1224437	21.85%	2.077%
97	15.468	2271	2275	2278	rVV	806629	1016325	18.13%	1.724%
98	15.498	2278	2280	2288	rVB2	284105	397397	7.09%	0.674%
99	16.939	2519	2525	2534	rBV	364305	762844	13.61%	1.294%
100	17.380	2595	2600	2614	rVB	267321	608750	10.86%	1.033%

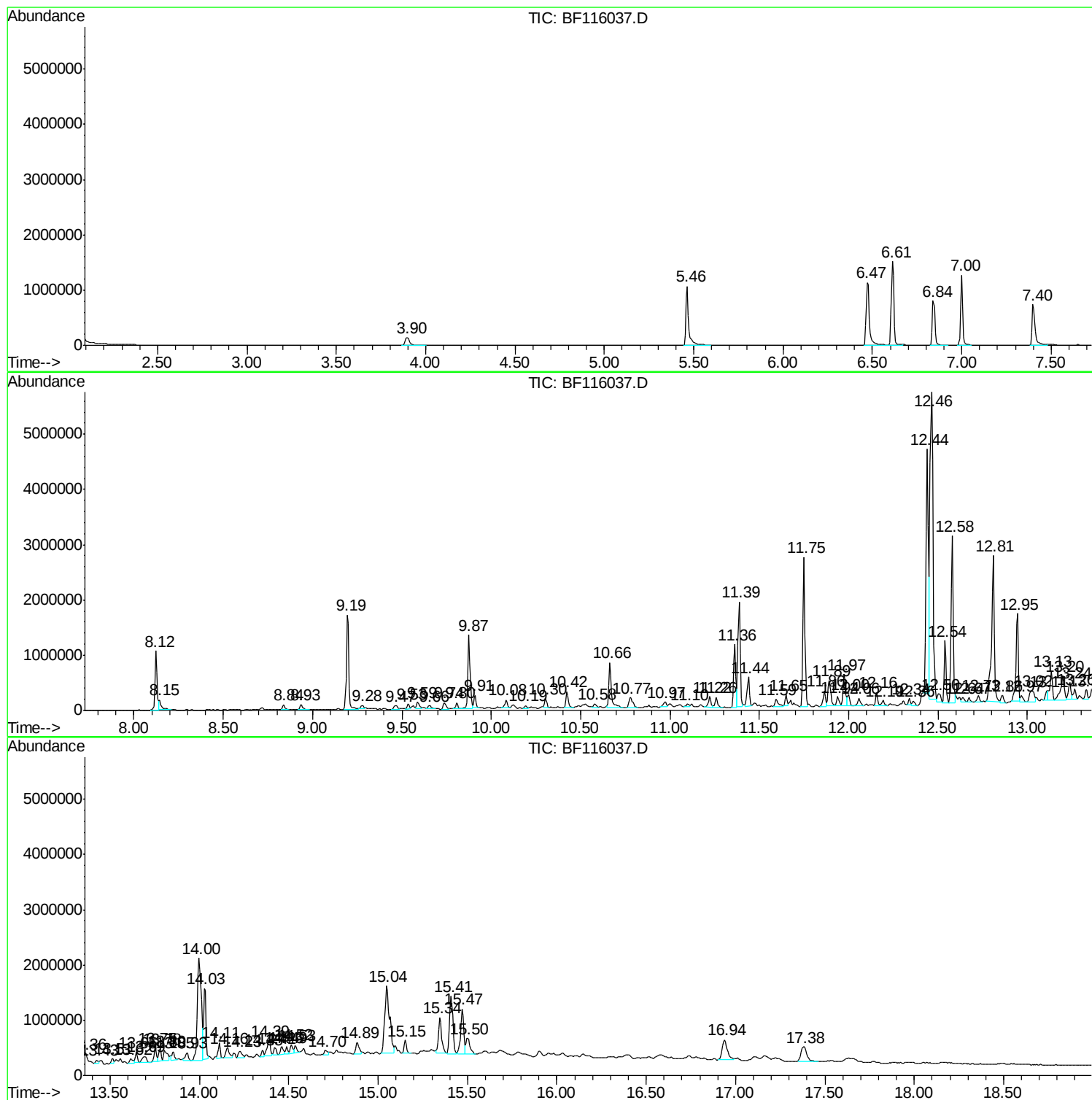
Sum of corrected areas: 58944157

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.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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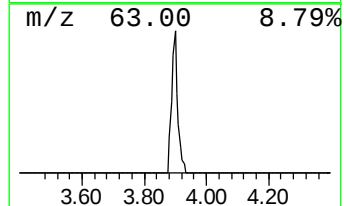
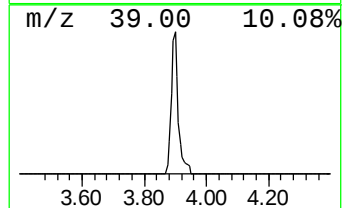
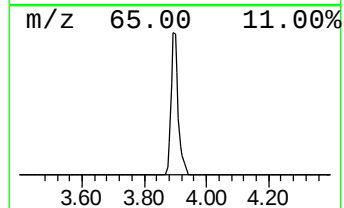
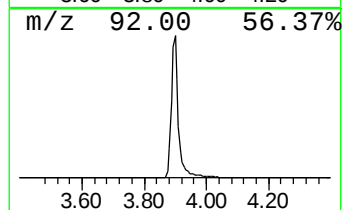
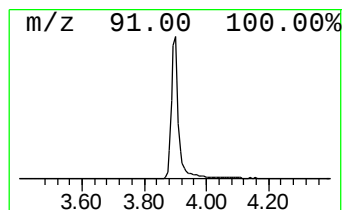
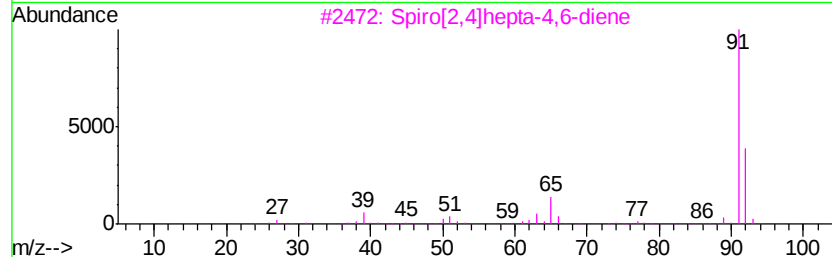
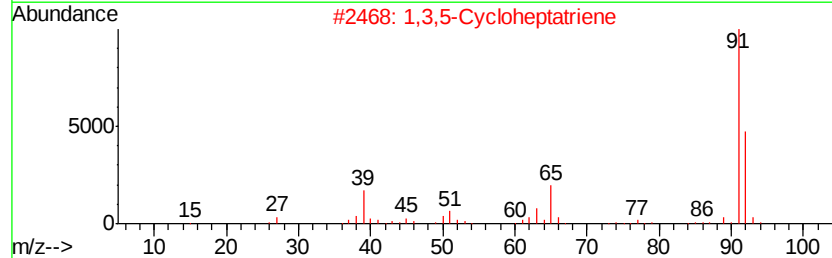
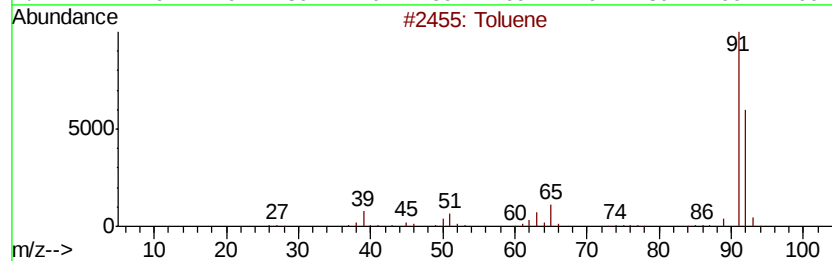
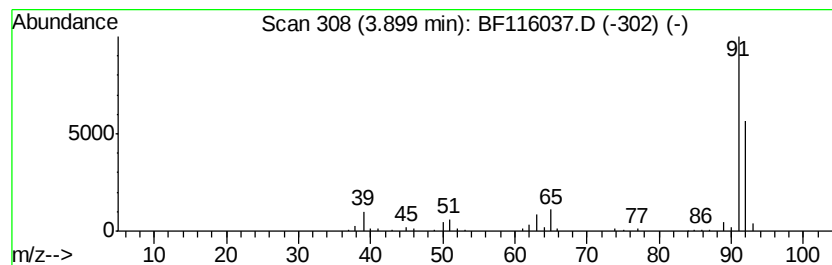
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 1,3,5-Cycloheptatriene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.90	5.61 ng	208215	1,4-Dichlorobenzene-d4	6.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Toluene	92	C7H8	000108-88-3	95
2			1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	87
3			Spiro[2.4]hepta-4,6-diene	92	C7H8	000765-46-8	74
4			Cyclobutene, 2-propenylidene-	92	C7H8	052097-85-5	64
5			2,5-Norbornadiene	92	C7H8	000121-46-0	64



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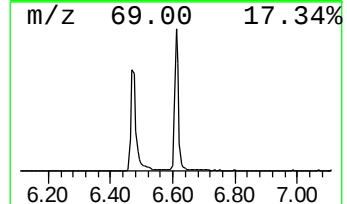
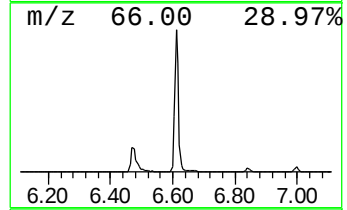
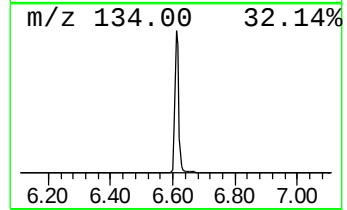
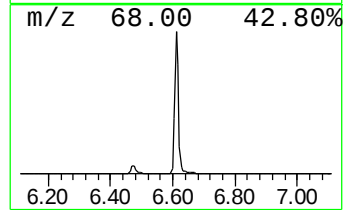
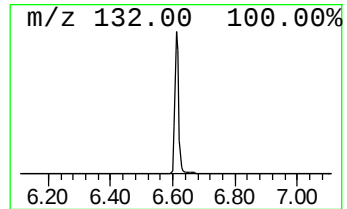
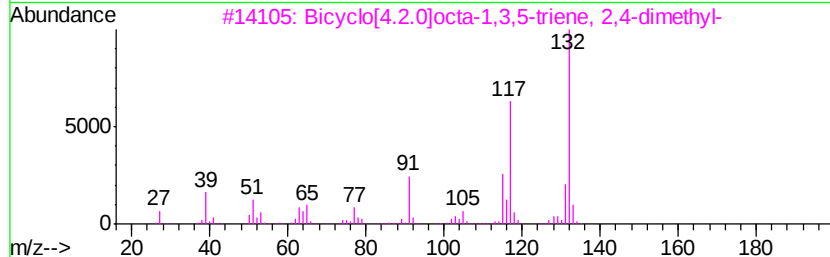
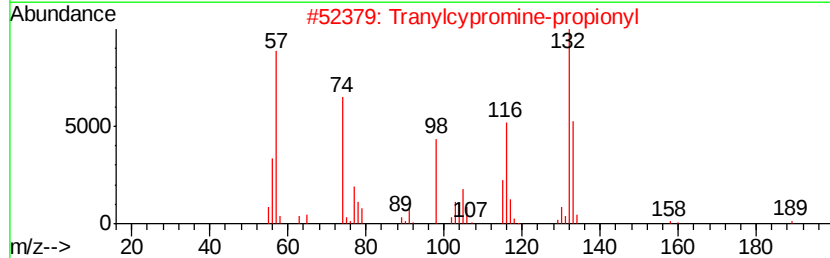
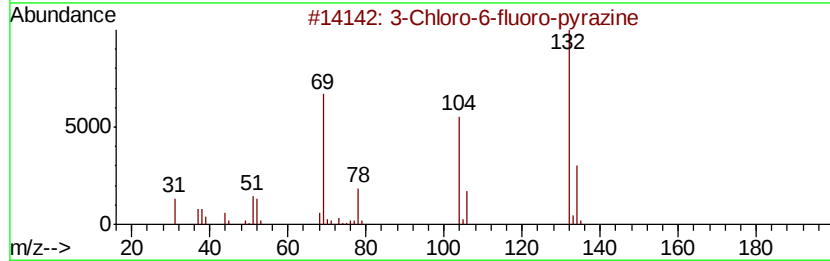
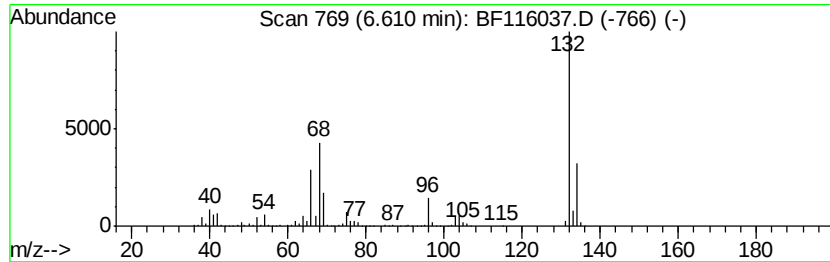
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Peak Number 2 unknown6.61 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	36.43 ng	1352620	1,4-Dichlorobenzene-d4	6.84

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		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9



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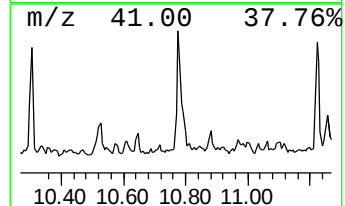
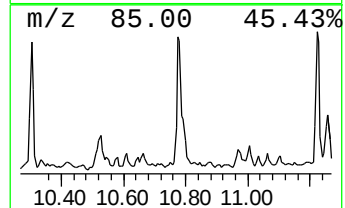
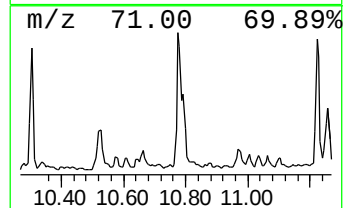
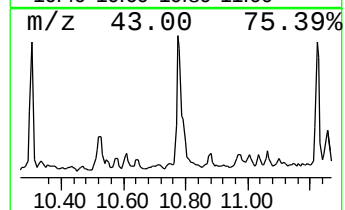
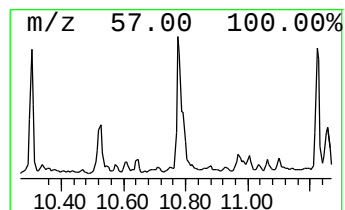
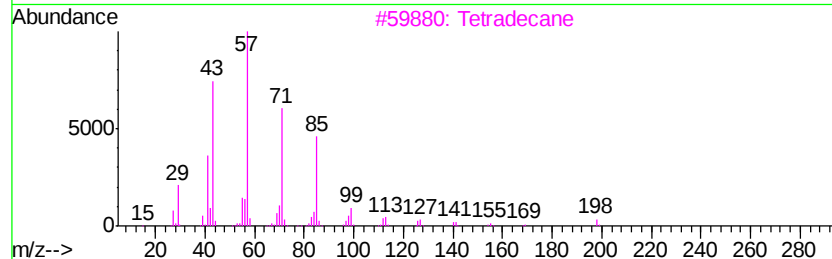
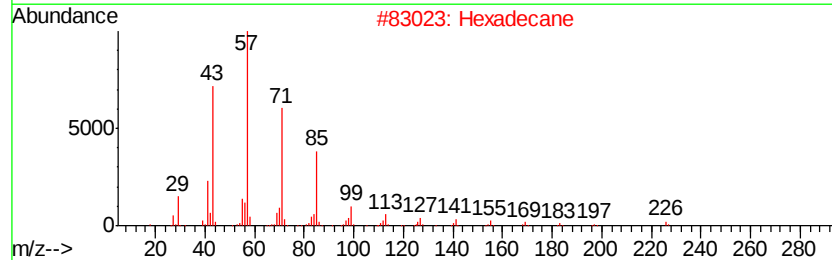
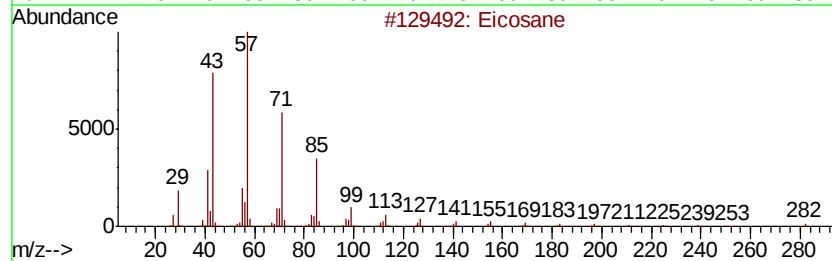
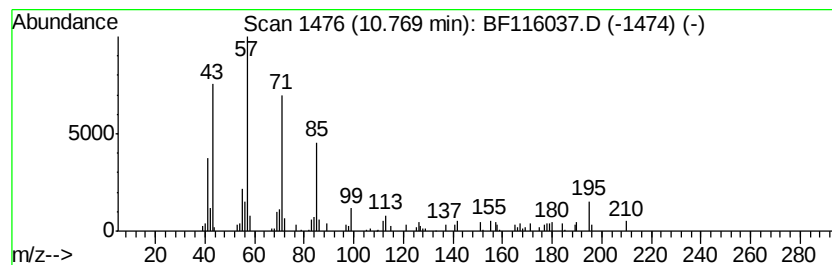
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Eicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	4.66 ng	255085	Phenanthrene-d10	11.36

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane		282	C20H42	000112-95-8	87
2	Hexadecane		226	C16H34	000544-76-3	86
3	Tetradecane		198	C14H30	000629-59-4	86
4	Sulfurous acid, 2-propyl tetradec...		320	C17H36O3S	1000309-12-5	86
5	Tridecane, 1-iodo-		310	C13H27I	035599-77-0	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116037.D
Acq On : 7 Aug 2019 4:05
Operator : HP/JU
Sample : K4090-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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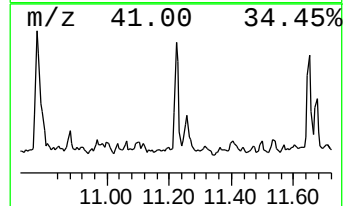
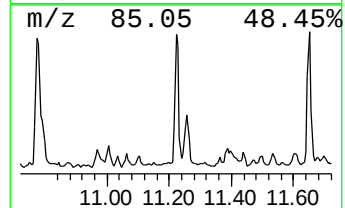
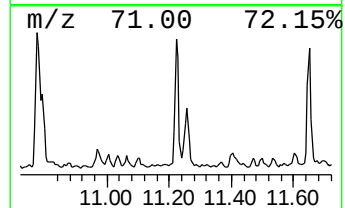
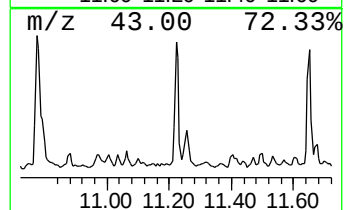
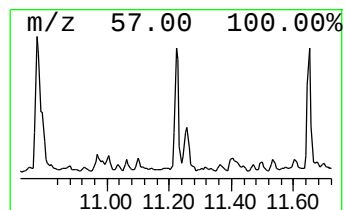
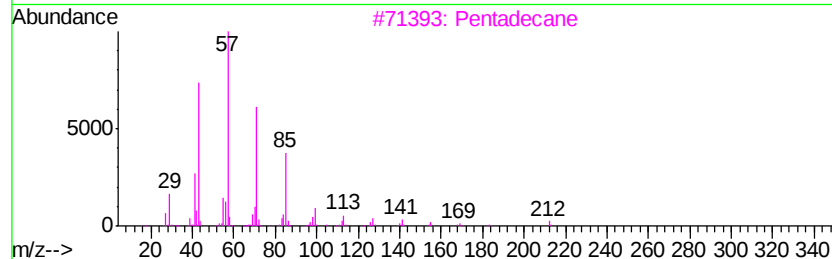
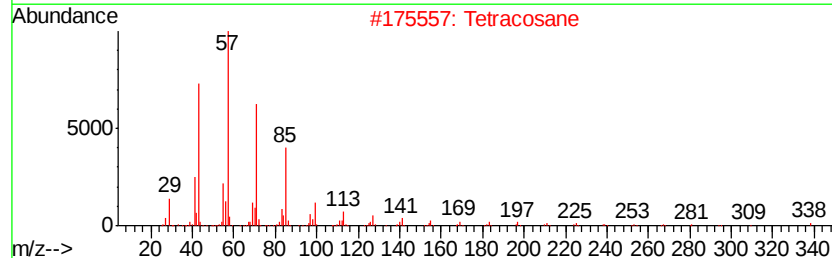
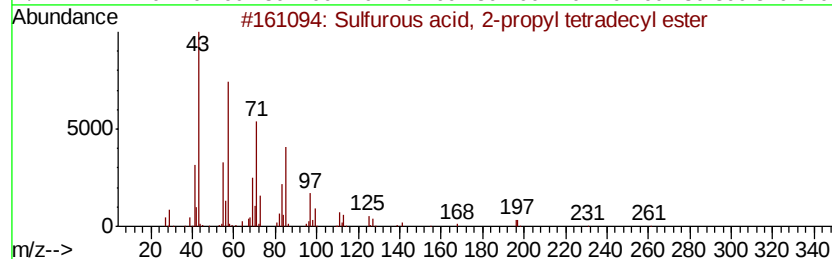
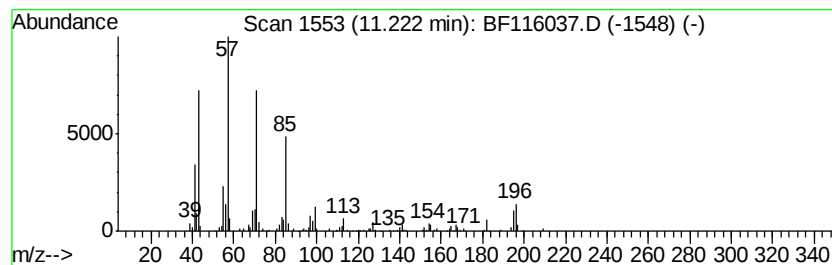
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Sulfurous acid, 2-propyl te... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	3.69 ng	201602	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, 2-propyl tetradec...	320	C17H36O3S	1000309-12-5	74
2		Tetracosane	338	C24H50	000646-31-1	68
3		Pentadecane	212	C15H32	000629-62-9	68
4		Octacosane	394	C28H58	000630-02-4	68
5		Tetradecane	198	C14H30	000629-59-4	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
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ClientSampleId :
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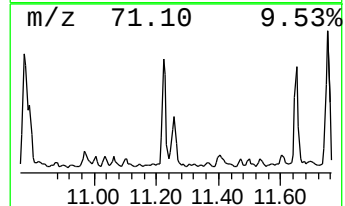
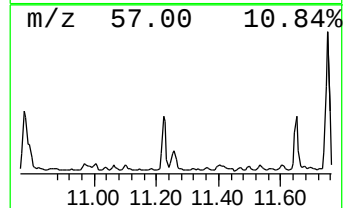
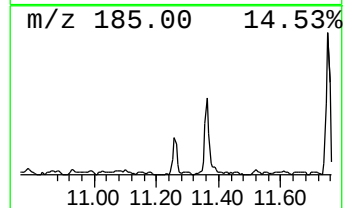
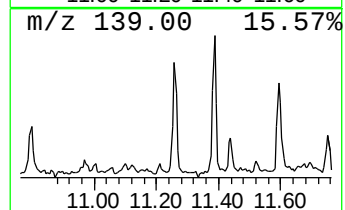
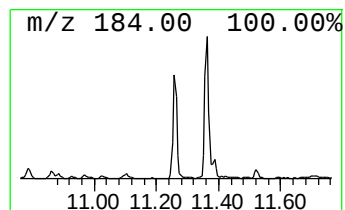
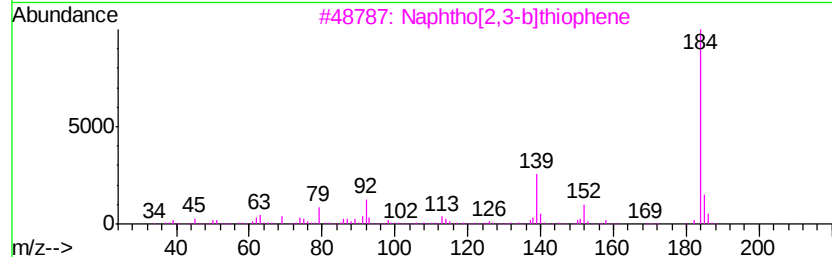
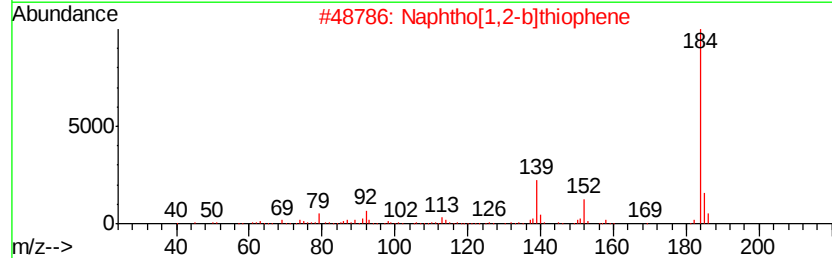
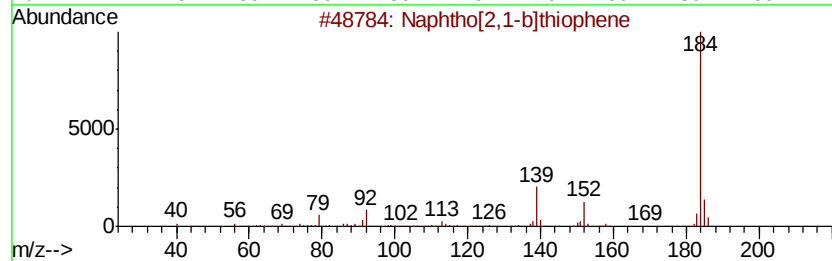
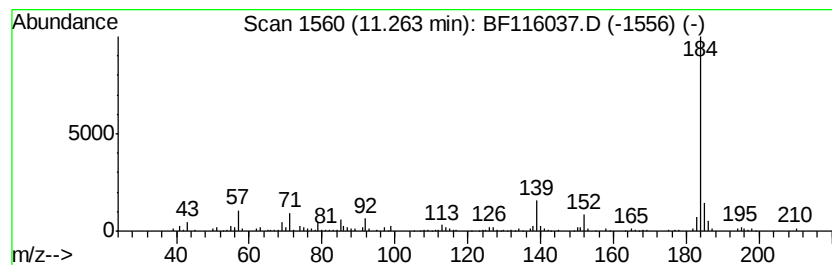
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphtho[2,1-b]thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	3.56 ng	194646	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	89
4		Dibenzothiophene	184	C12H8S	000132-65-0	89
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116037.D
Acq On : 7 Aug 2019 4:05
Operator : HP/JU
Sample : K4090-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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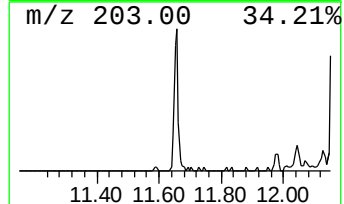
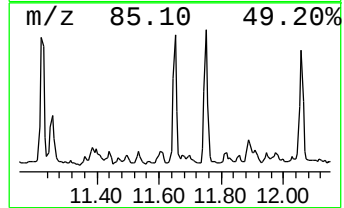
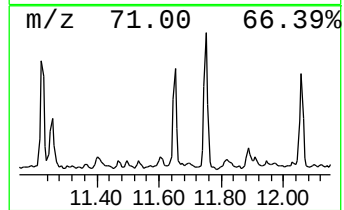
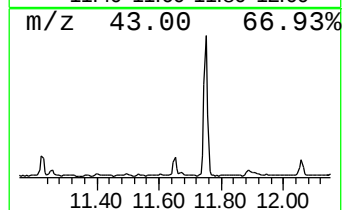
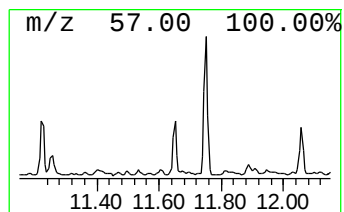
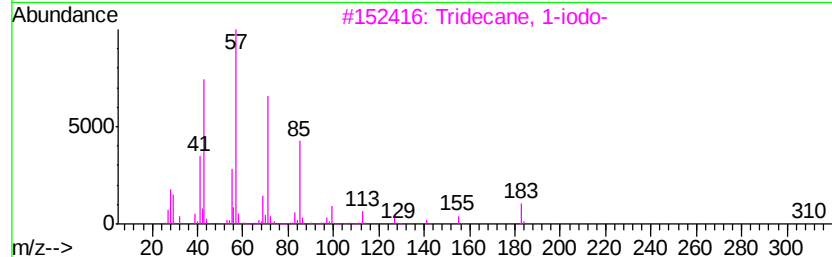
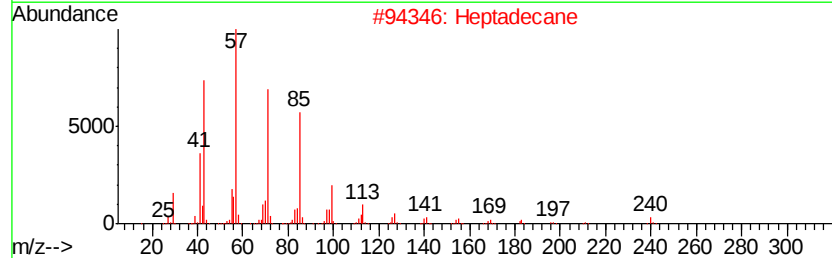
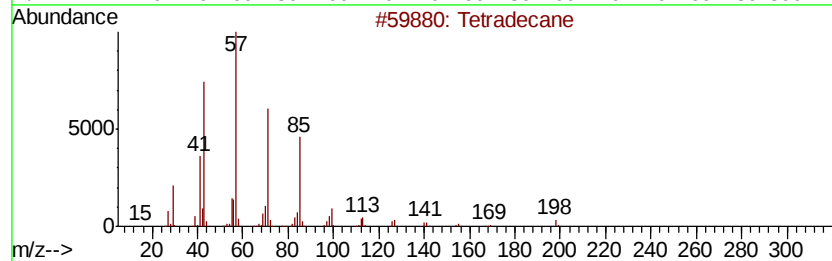
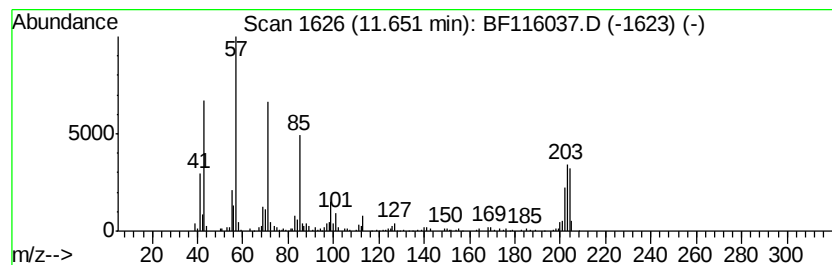
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown11.65 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	3.06 ng	167423	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	49
2		Heptadecane	240	C17H36	000629-78-7	49
3		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	49
4		Pentadecane	212	C15H32	000629-62-9	46
5		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116037.D
Acq On : 7 Aug 2019 4:05
Operator : HP/JU
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Misc :
ALS Vial : 23 Sample Multiplier: 1

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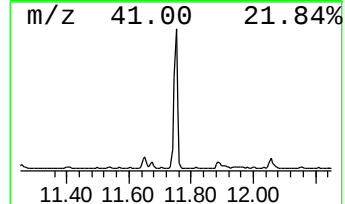
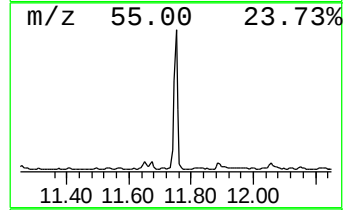
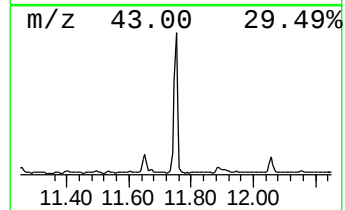
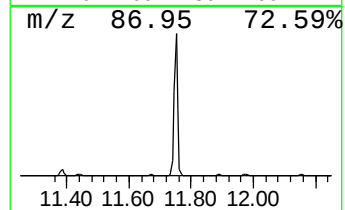
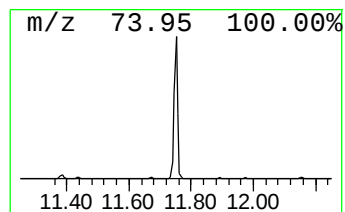
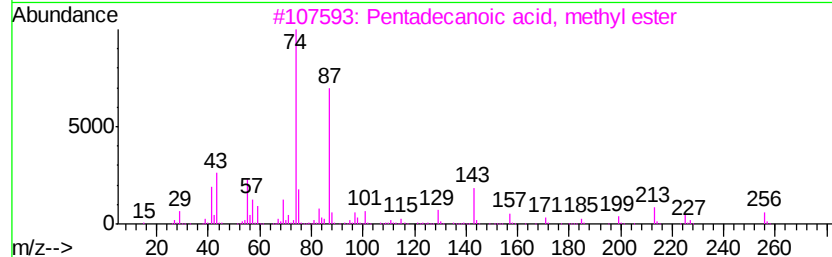
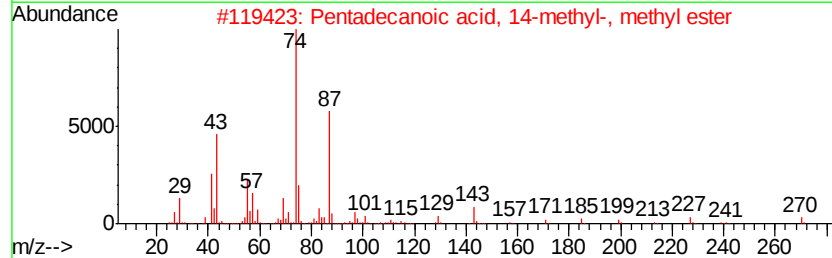
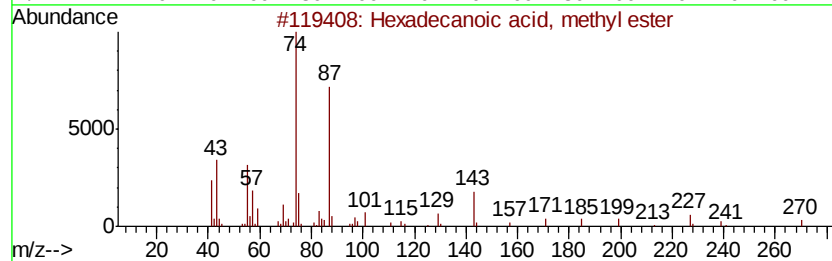
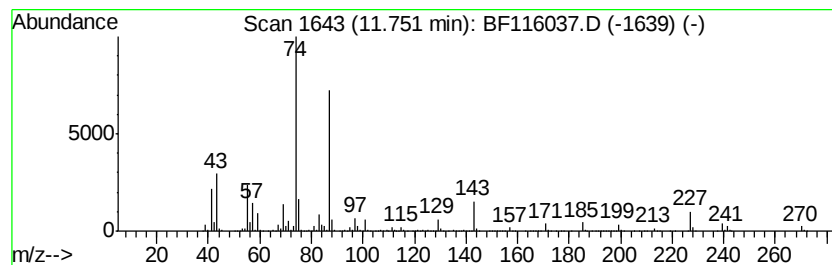
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	39.34 ng	2152210	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2		Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	94
3		Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
4		Hexadecanoic acid, 2-methyl-	270	C17H34O2	027147-71-3	86
5		Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
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Sample : K4090-03 2X
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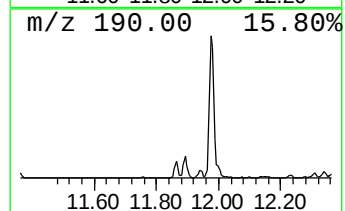
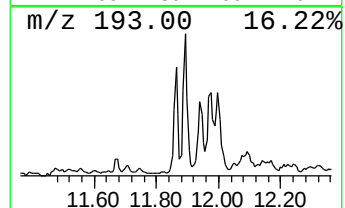
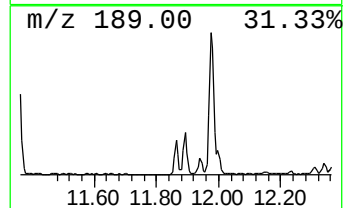
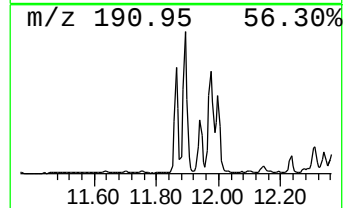
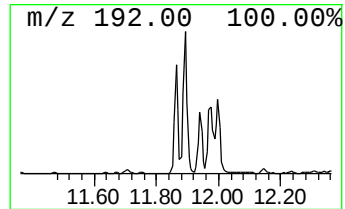
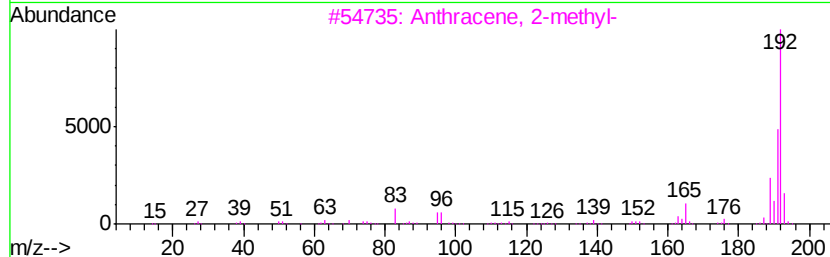
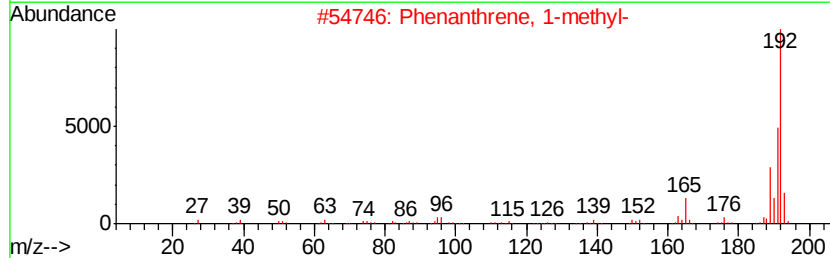
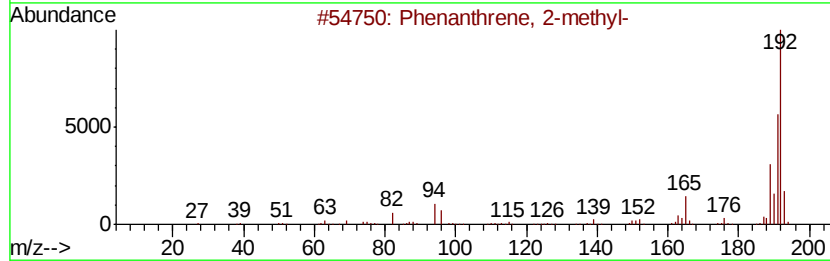
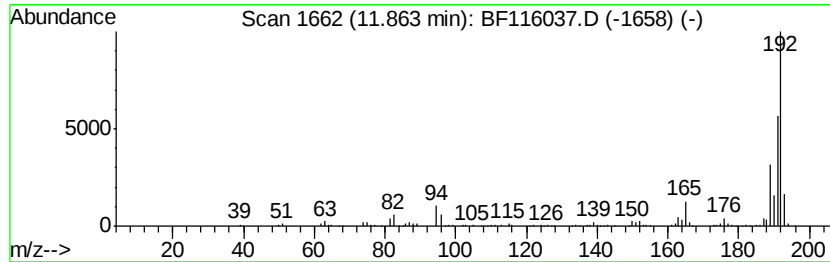
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.86	4.59 ng	251202	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[1,1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
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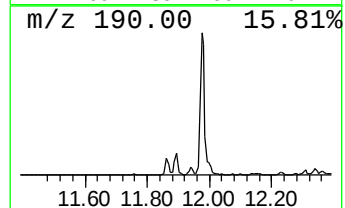
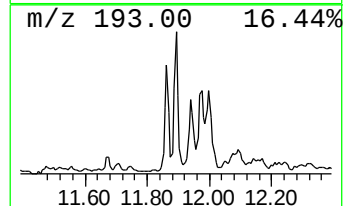
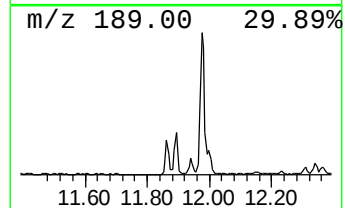
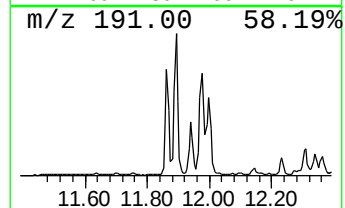
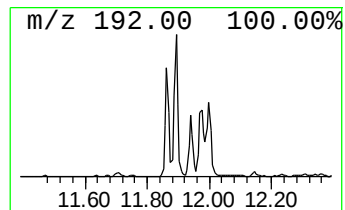
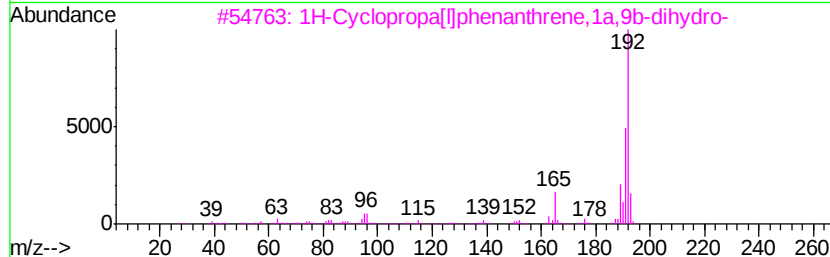
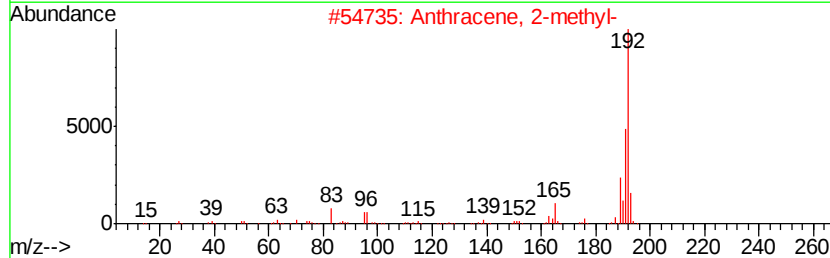
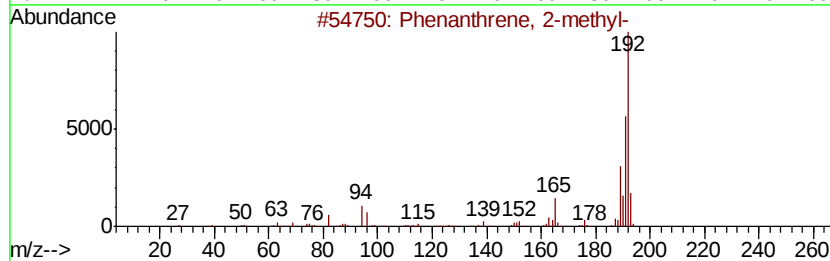
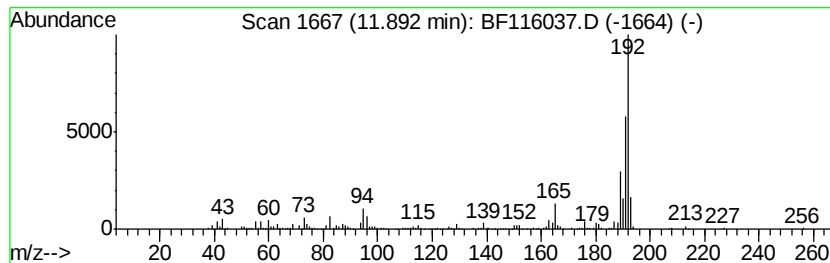
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.89	8.25 ng	451407	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
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Sample : K4090-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

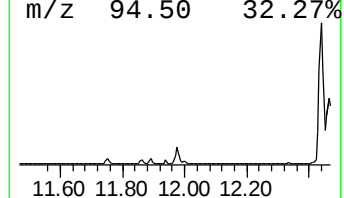
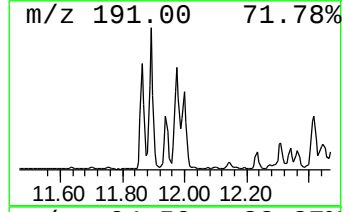
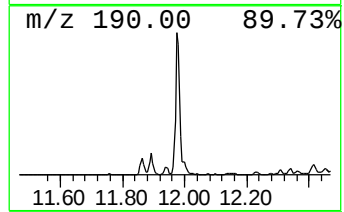
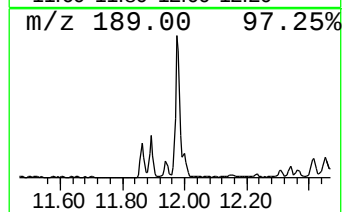
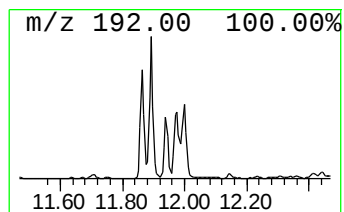
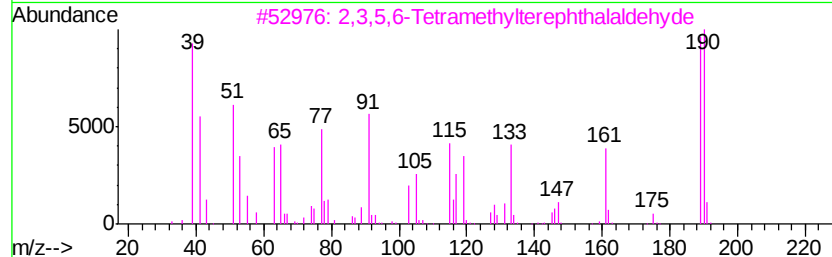
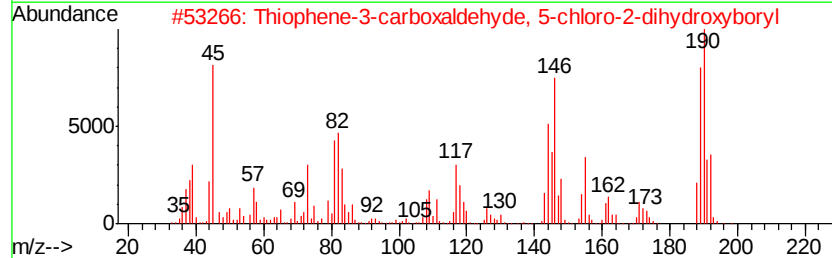
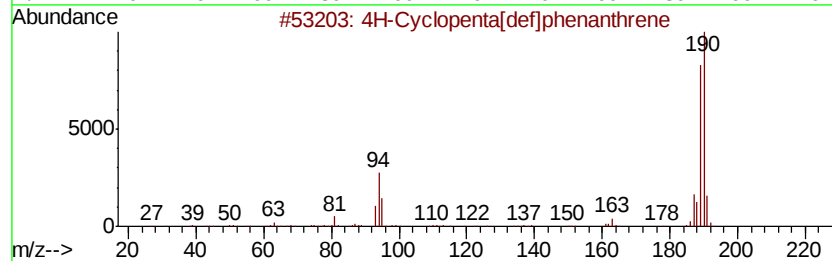
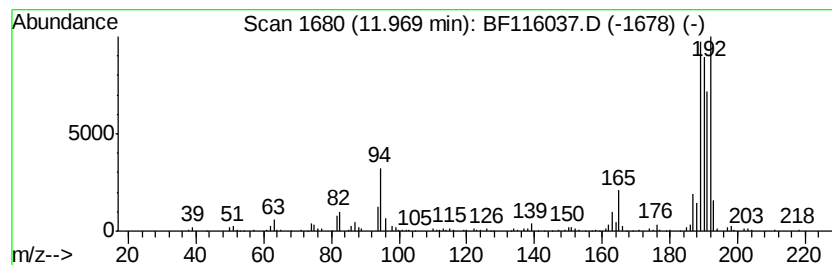
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ClientSampleId :
OR-02-080219-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.97	11.41 ng	624231	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	42
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116037.D
Acq On : 7 Aug 2019 4:05
Operator : HP/JU
Sample : K4090-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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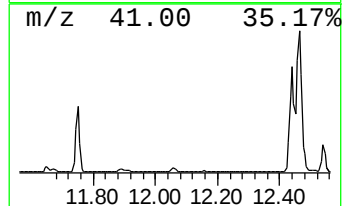
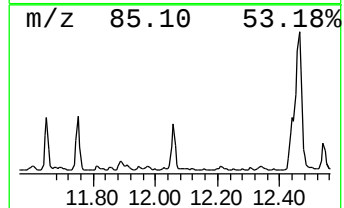
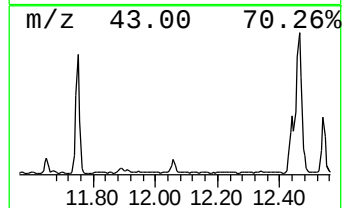
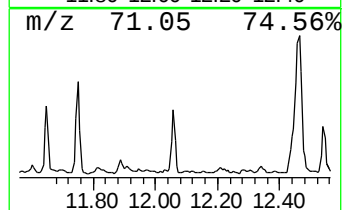
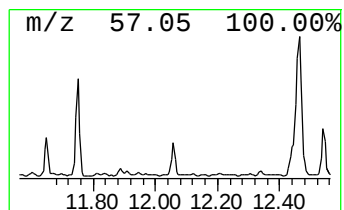
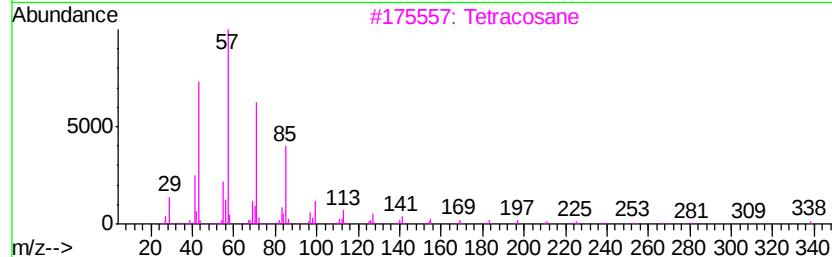
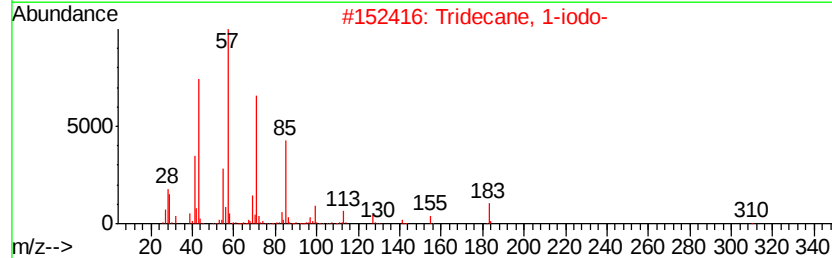
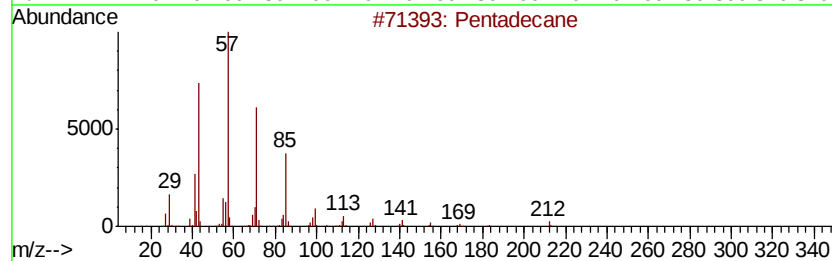
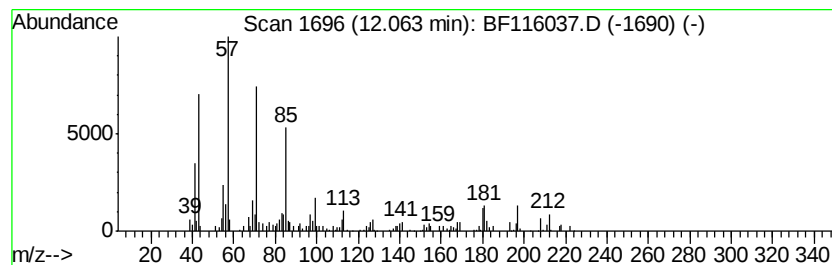
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Pentadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	3.34 ng	182823	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	97
2		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	87
3		Tetracosane	338	C24H50	000646-31-1	87
4		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	87
5		Eicosane	282	C20H42	000112-95-8	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116037.D
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Sample : K4090-03 2X
Misc :
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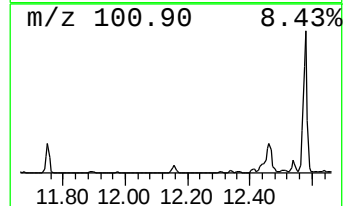
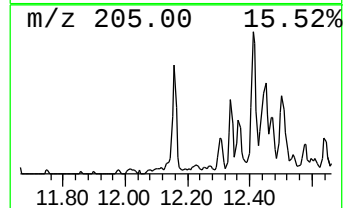
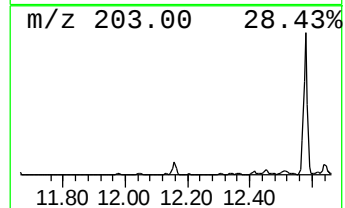
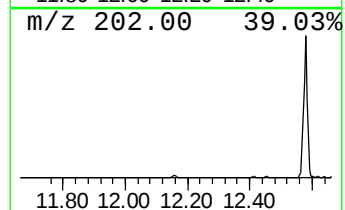
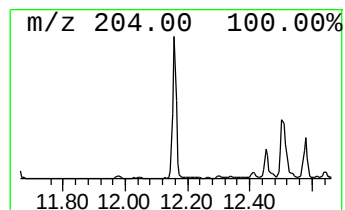
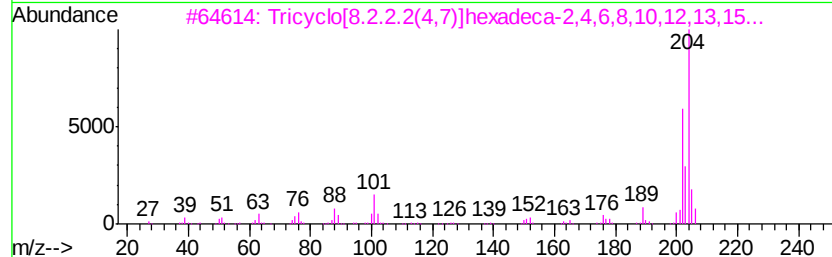
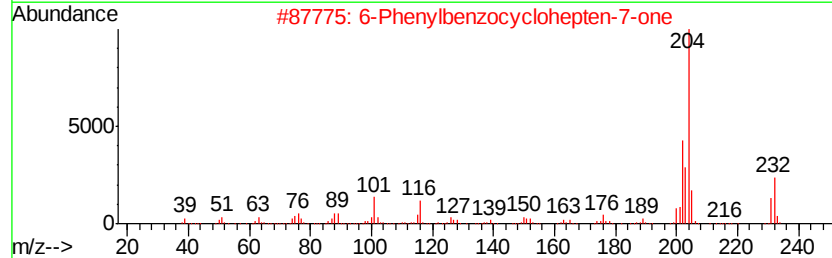
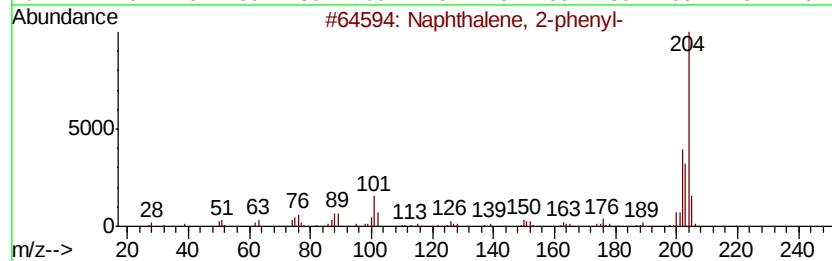
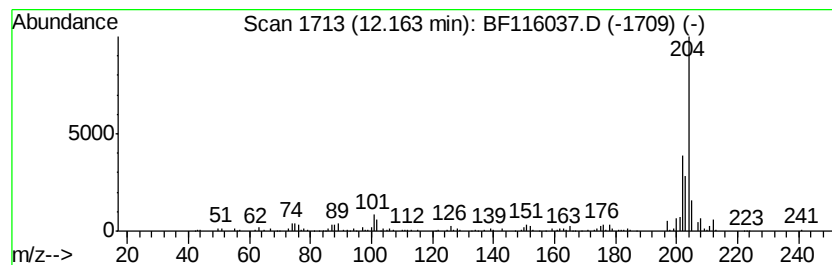
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.16	3.61 ng	197723	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
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Sample : K4090-03 2X
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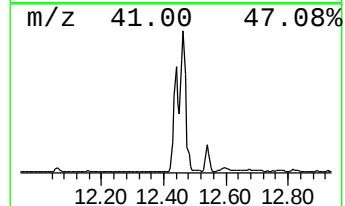
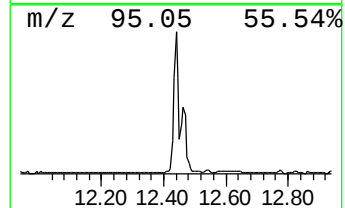
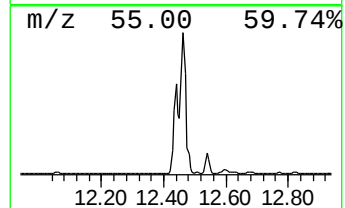
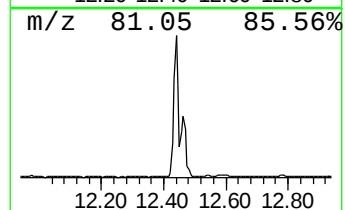
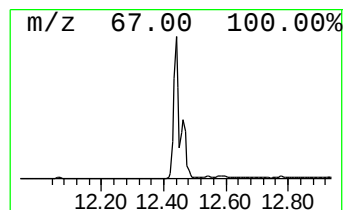
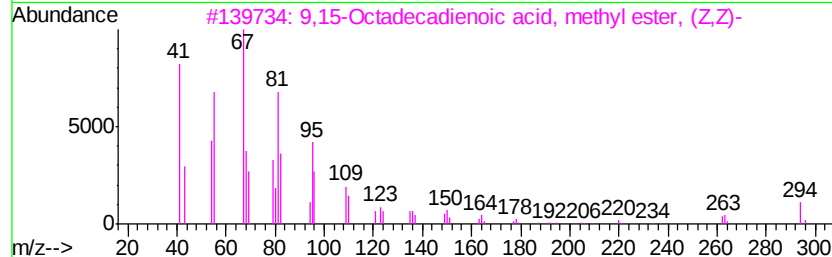
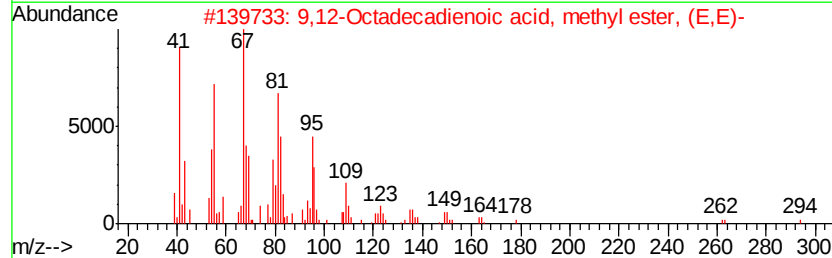
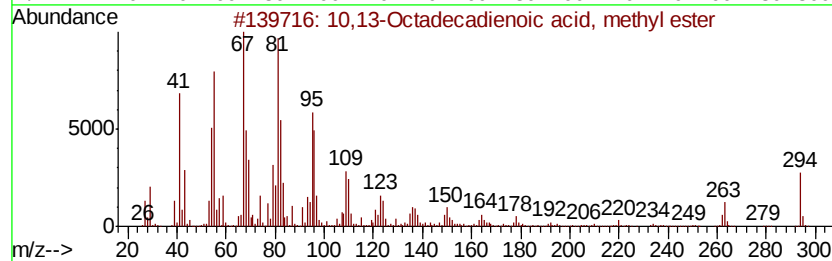
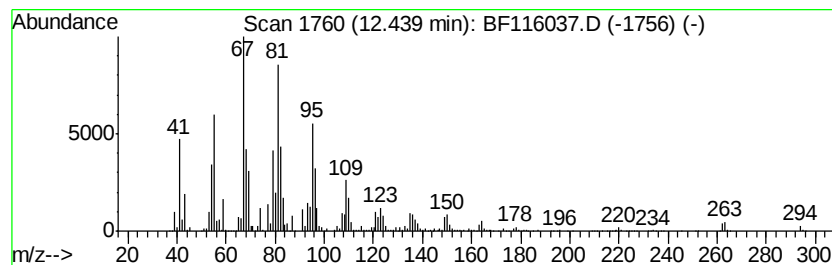
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 10,13-Octadecadienoic acid,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	86.42 ng	4727710	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
2		9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
3		9,15-Octadecadienoic acid, methv...	294	C19H34O2	017309-05-6	99
4		9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
5		11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	98



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116037.D
Acq On : 7 Aug 2019 4:05
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Misc :
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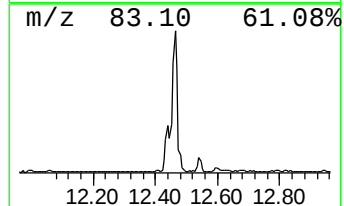
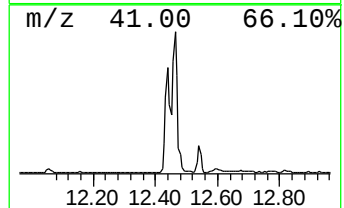
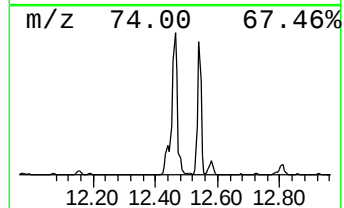
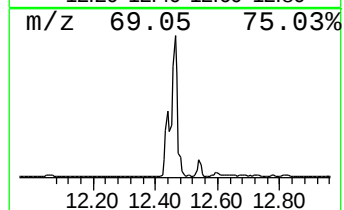
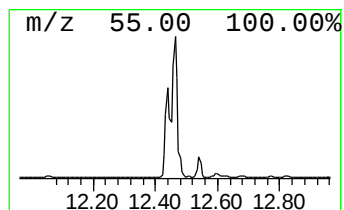
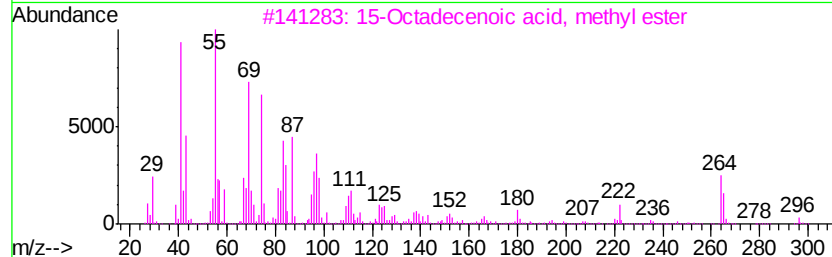
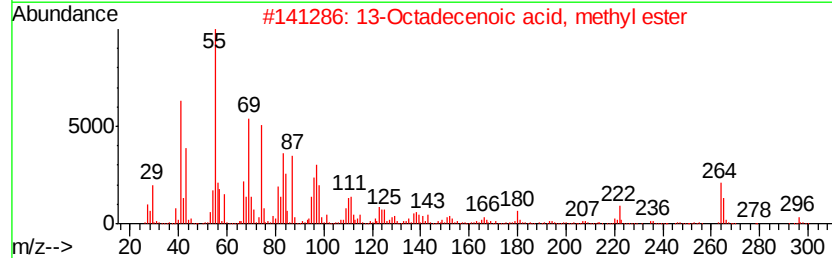
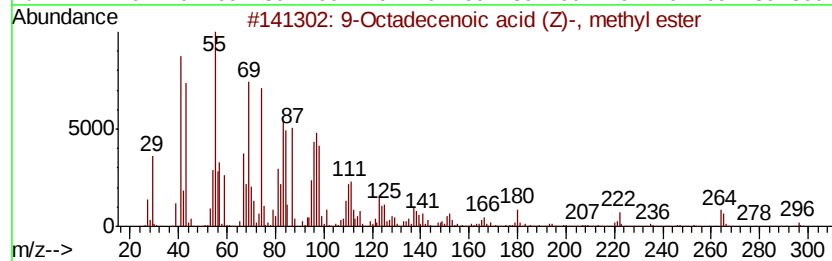
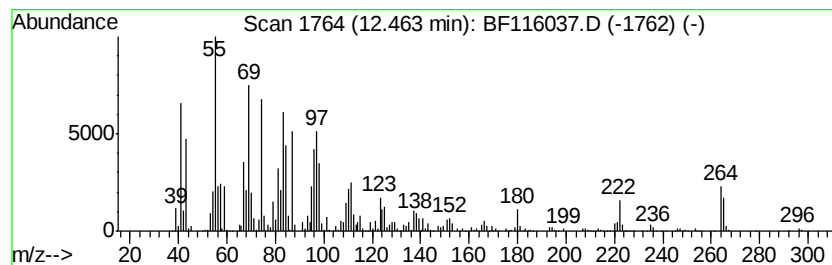
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9-Octadecenoic acid (Z)-, m... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	102.46 ng	5604950	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2		13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
3		15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
4		16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
5		12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116037.D
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Misc :
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Instrument :
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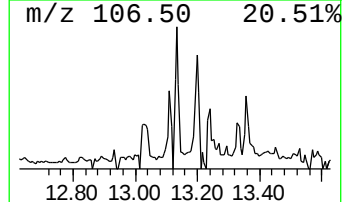
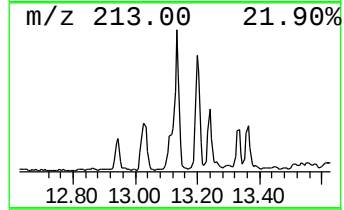
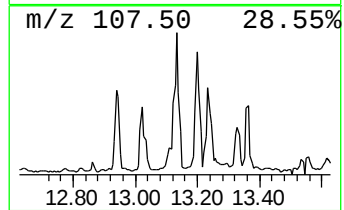
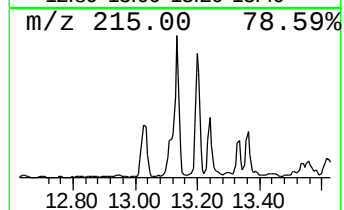
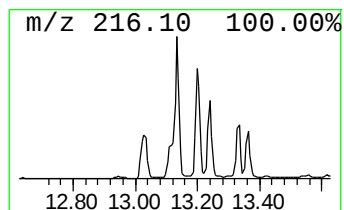
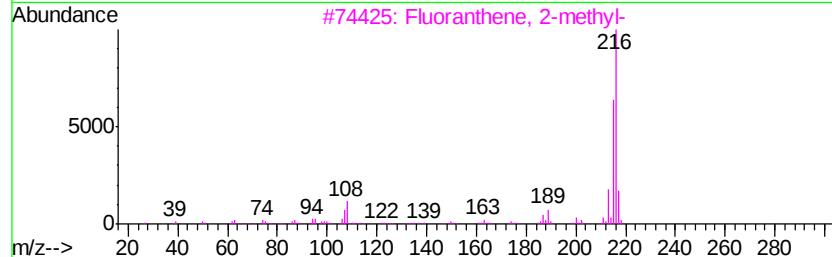
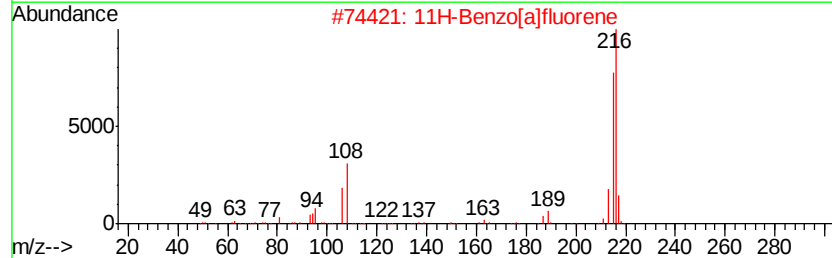
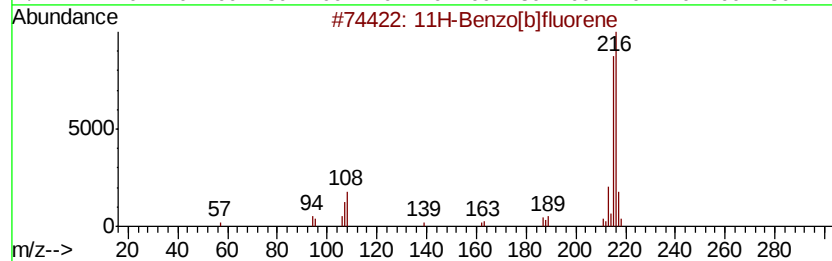
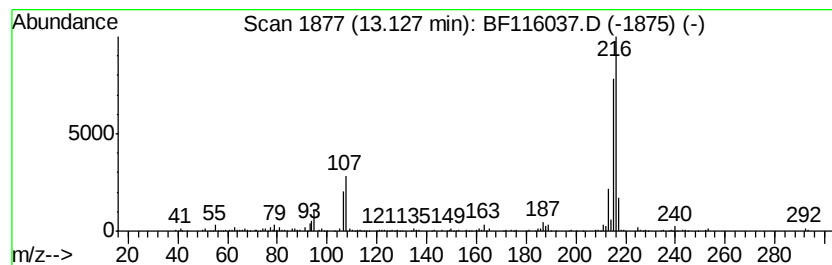
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	3.69 ng	514052	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	62



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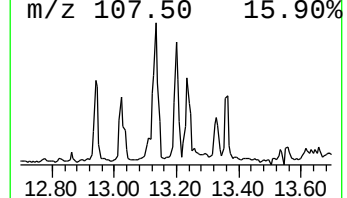
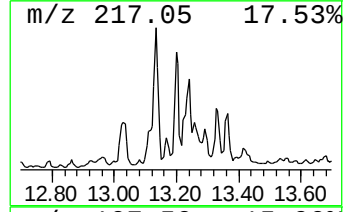
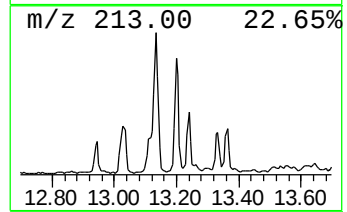
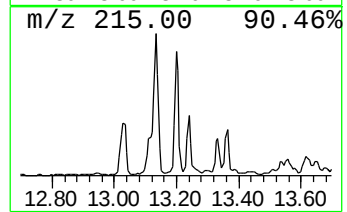
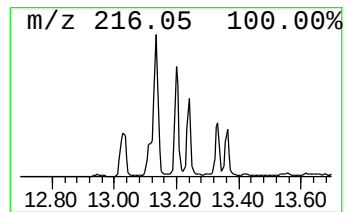
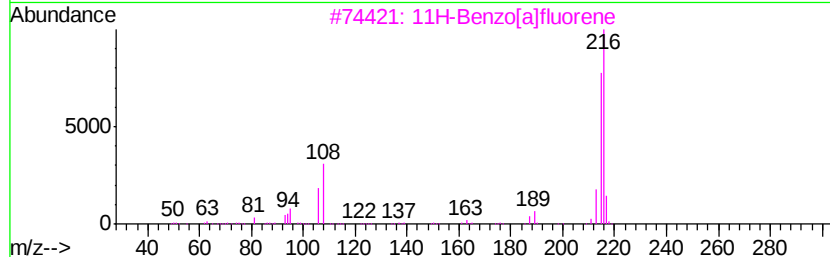
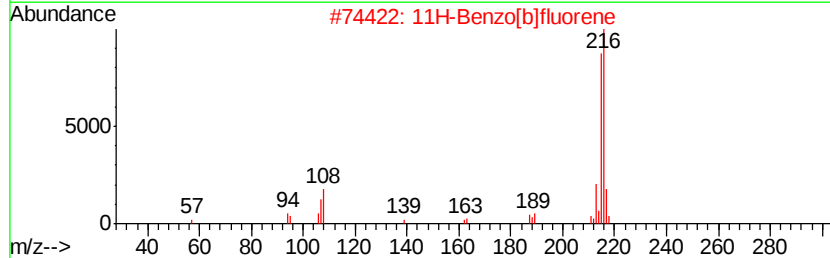
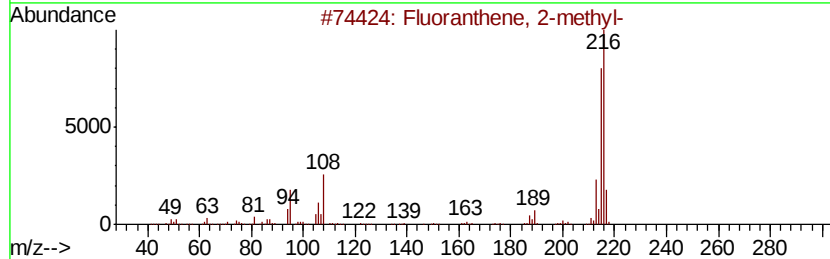
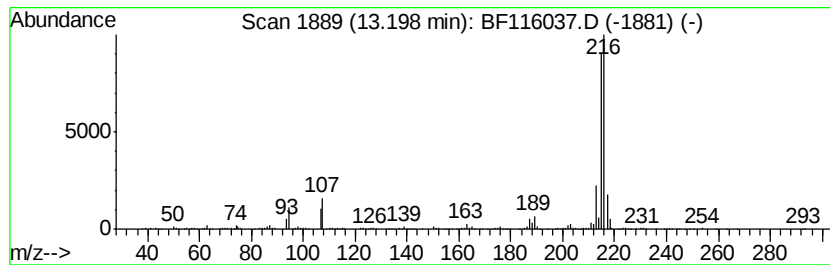
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	4.29 ng	598219	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
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\BF080619\
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Operator : HP/JU
Sample : K4090-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

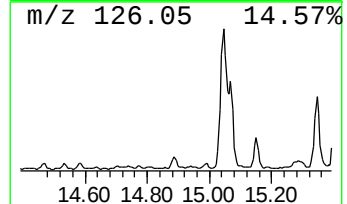
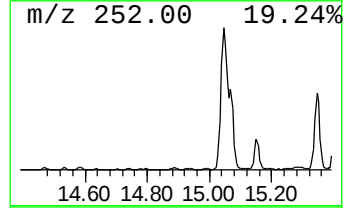
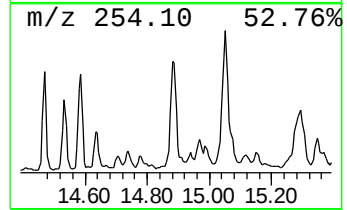
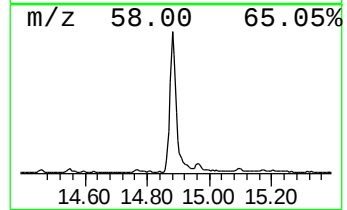
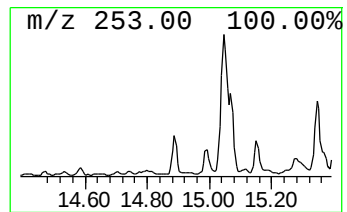
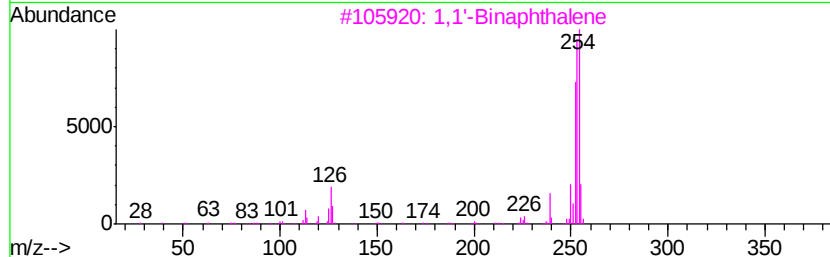
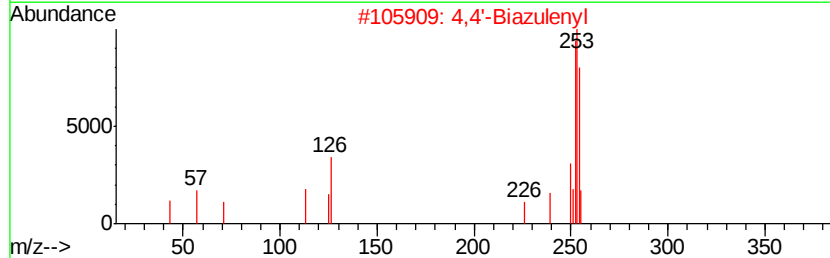
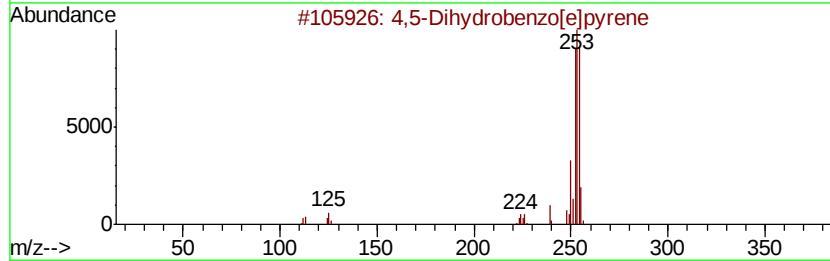
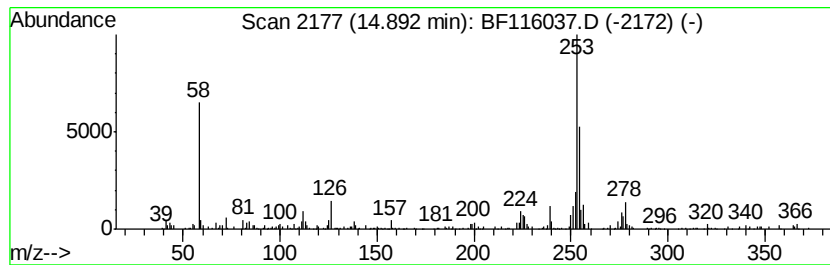
Instrument :
BNA_F
ClientSampleId :
OR-02-080219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 4,5-Dihydrobenzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	5.04 ng	255897	Perylene-d12	15.47
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	4,5-Dihydrobenzo[e]pyrene	254 C20H14	095676-42-9	81
2	4,4'-Biazulenyl	254 C20H14	094053-54-0	50
3	1,1'-Binaphthalene	254 C20H14	000604-53-5	49
4	4,6'-Biazulenyl	254 C20H14	094154-49-1	45
5	9,10[1',2']-Benzenoanthracene, 9...	254 C20H14	000477-75-8	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116037.D
Acq On : 7 Aug 2019 4:05
Operator : HP/JU
Sample : K4090-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-080219-B

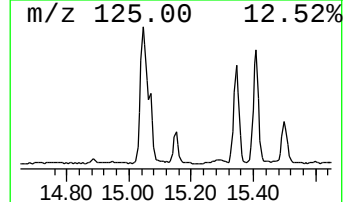
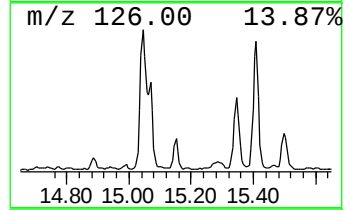
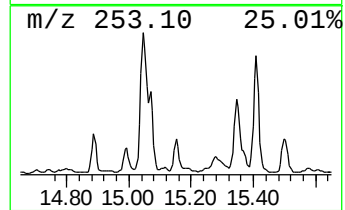
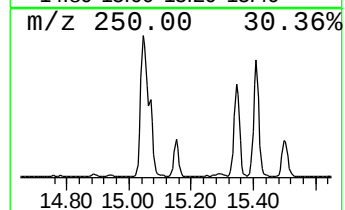
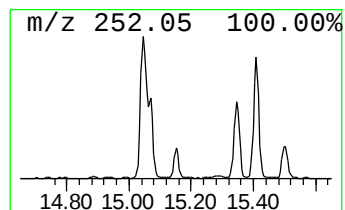
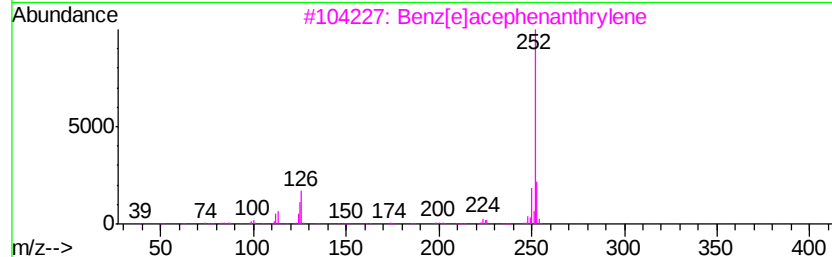
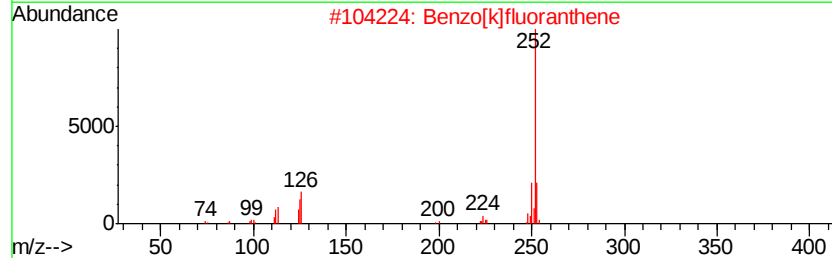
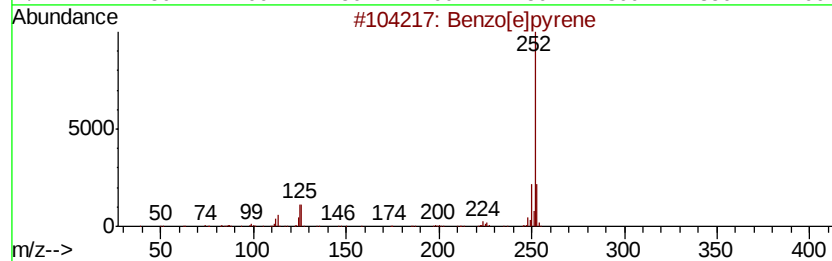
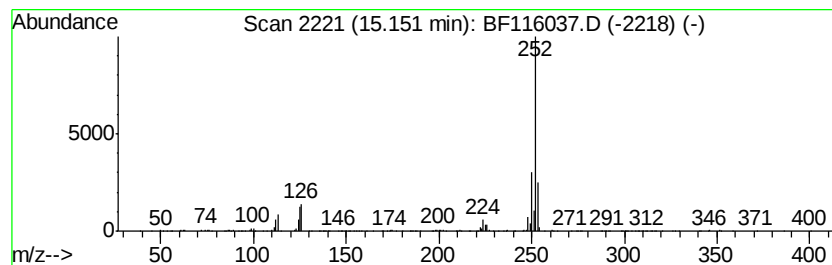
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	4.90 ng	248798	Perylene-d12	15.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	96
4			Benzo[a]pyrene	252	C20H12	000050-32-8	96
5			Perylene	252	C20H12	000198-55-0	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116037.D
Acq On : 7 Aug 2019 4:05
Operator : HP/JU
Sample : K4090-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-080219-B

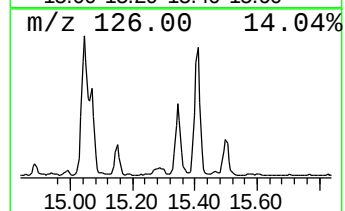
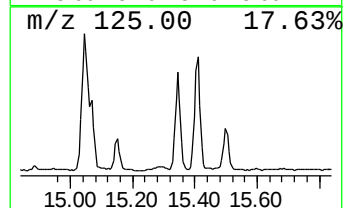
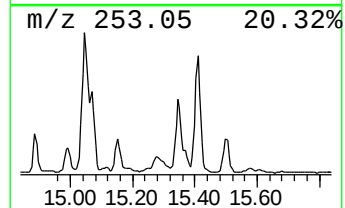
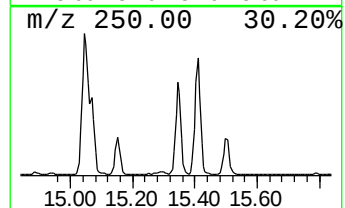
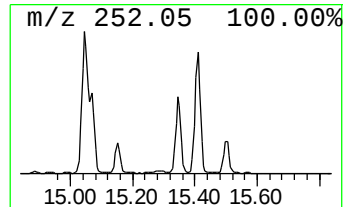
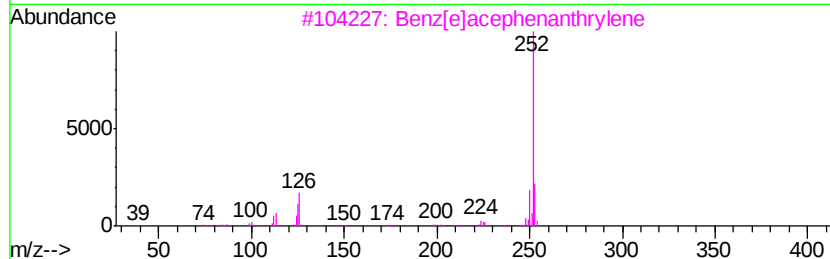
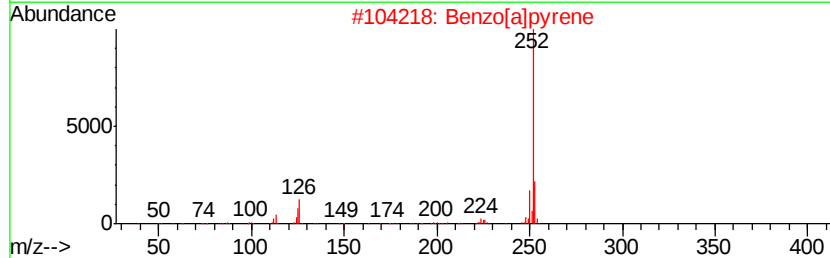
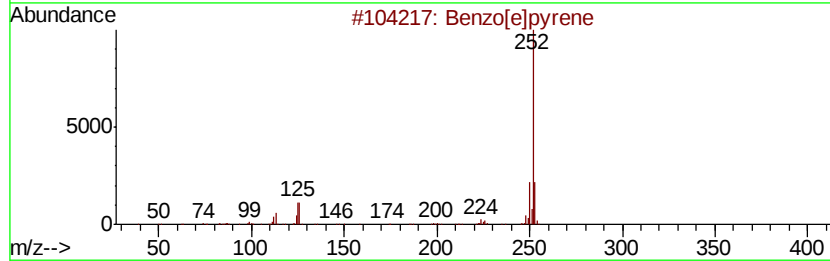
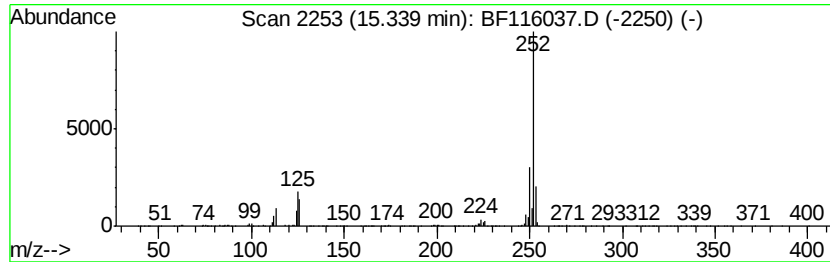
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	16.32 ng	829275	Perylene-d12	15.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benzo[a]pyrene	252	C20H12	000050-32-8	98
3			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	95
4			Benzo[i]fluoranthene	252	C20H12	000205-82-3	94
5			Perylene	252	C20H12	000198-55-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080619\
 Data File : BF116037.D
 Acq On : 7 Aug 2019 4:05
 Operator : HP/JU
 Sample : K4090-03 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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
1,3,5-Cycloheptat...	3.90	5.6 ng		208215	1	6.84	742521	20.0
unknown6.61	6.61	36.4 ng		1352620	1	6.84	742521	20.0
Eicosane	10.77	4.7 ng		255085	4	11.36	1094120	20.0
Sulfurous acid, 2...	11.22	3.7 ng		201602	4	11.36	1094120	20.0
Naphtho[2,1-b]thi...	11.26	3.6 ng		194646	4	11.36	1094120	20.0
unknown11.65	11.65	3.1 ng		167423	4	11.36	1094120	20.0
Hexadecanoic acid...	11.75	39.3 ng		2152210	4	11.36	1094120	20.0
Phenanthrene, 2-m...	11.86	4.6 ng		251202	4	11.36	1094120	20.0
Anthracene, 2-met...	11.89	8.3 ng		451407	4	11.36	1094120	20.0
4H-Cyclopenta[def...	11.97	11.4 ng		624231	4	11.36	1094120	20.0
Pentadecane	12.06	3.3 ng		182823	4	11.36	1094120	20.0
Naphthalene, 2-ph...	12.16	3.6 ng		197723	4	11.36	1094120	20.0
10,13-Octadecadie...	12.44	86.4 ng		4727710	4	11.36	1094120	20.0
9-Octadecenoic ac...	12.46	102.5 ng		5604950	4	11.36	1094120	20.0
11H-Benzo[b]fluorene	13.13	3.7 ng		514052	5	14.00	2787720	20.0
Fluoranthene, 2-m...	13.20	4.3 ng		598219	5	14.00	2787720	20.0
4,5-Dihydrobenzo[...	14.89	5.0 ng		255897	6	15.47	1016330	20.0
Benzo[e]pyrene	15.15	4.9 ng		248798	6	15.47	1016330	20.0
Benzo[j]fluoranthene	15.34	16.3 ng		829275	6	15.47	1016330	20.0