LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123019\
Data File : BF118393.D
Acq On : 30 Dec 2019 20:56
Operator : JU
Sample : K6441-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K321-WC-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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-BF122419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.051	500	504	522	rVB	177441	227125	4.34%	0.345%
2	5.469	571	575	597	rBV	1181936	1278441	24.44%	1.939%
3	6.487	745	748	764	rBV	1346008	1378889	26.36%	2.092%
4	6.622	768	771	779	rVV	1760145	1481591	28.32%	2.248%
5	6.851	807	810	816	rBV	905468	718943	13.74%	1.091%
6	7.010	833	837	852	rBV	1341093	1206798	23.07%	1.831%
7	7.416	903	906	919	rBV	837551	831254	15.89%	1.261%
8	8.140	1025	1029	1032	rBV	1003658	887610	16.97%	1.347%
9	8.857	1148	1151	1158	rBV	81710	81335	1.55%	0.123%
10	8.957	1162	1168	1175	rBV	98659	101129	1.93%	0.153%
11	9.216	1208	1212	1223	rBV	2219562	1818173	34.76%	2.758%
12	9.486	1254	1258	1263	rBV	96607	123394	2.36%	0.187%
13	9.557	1266	1270	1273	rBV	155510	164150	3.14%	0.249%
14	9.586	1273	1275	1277	rVV	92809	82542	1.58%	0.125%
15	9.610	1277	1279	1287	rVV	139479	138853	2.65%	0.211%
16	9.675	1287	1290	1299	rVB	86397	104083	1.99%	0.158%
17	9.763	1302	1305	1311	rVB	188671	176233	3.37%	0.267%
18	9.898	1325	1328	1331	rVV	1105867	946487	18.09%	1.436%
19	9.934	1331	1334	1338	rVB	502045	404743	7.74%	0.614%
20	10.057	1351	1355	1359	rBV2	64118	76451	1.46%	0.116%
21	10.104	1359	1363	1367	rBV2	272604	281306	5.38%	0.427%
22	10.145	1367	1370	1373	rVB	86541	85420	1.63%	0.130%
23	10.216	1379	1382	1385	rBV	83807	86906	1.66%	0.132%
24	10.310	1393	1398	1399	rBV	78588	92300	1.76%	0.140%
25	10.451	1418	1422	1427	rBV	413474	402184	7.69%	0.610%
26	10.610	1446	1449	1453	rVB	172373	171488	3.28%	0.260%
27	10.698	1460	1464	1470	rBV	1056942	1121313	21.44%	1.701%
28	10.816	1482	1484	1490	rVB2	76617	94405	1.80%	0.143%
29	11.004	1509	1516	1518	rBV3	151798	223972	4.28%	0.340%
30	11.028	1518	1520	1523	rVV2	105883	105320	2.01%	0.160%
31	11.128	1532	1537	1539	rBV3	127000	169878	3.25%	0.258%
32	11.151	1539	1541	1546	rVV2	135075	148967	2.85%	0.226%
33	11.204	1546	1550	1553	rVV	282176	260725	4.98%	0.396%
34	11.251	1553	1558	1561	rVV2	176206	240719	4.60%	0.365%

LSC Area Percent Report

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Operator : JU
Sample : K6441-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K321-WC-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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-BF122419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.292	1562	1565	1570	rVB	315488	288588	5.52%	0.438%
36	11.398	1579	1583	1585	rBV	969381	999098	19.10%	1.516%
37	11.428	1585	1588	1591	rVV	5002496	4338373	82.94%	6.581%
38	11.475	1591	1596	1599	rVV	1101237	967172	18.49%	1.467%
39	11.510	1599	1602	1607	rVB2	81302	124919	2.39%	0.190%
40	11.633	1618	1623	1629	rBV2	326115	496683	9.50%	0.753%
41	11.686	1629	1632	1635	rVV2	146452	165859	3.17%	0.252%
42	11.728	1637	1639	1644	rVB3	122018	166890	3.19%	0.253%
43	11.810	1648	1653	1658	rVB2	69467	112792	2.16%	0.171%
44	11.898	1665	1668	1670	rVV	759370	675264	12.91%	1.024%
45	11.928	1670	1673	1677	rVB	1011172	965713	18.46%	1.465%
46	11.975	1678	1681	1684	rVV	318878	271158	5.18%	0.411%
47	12.010	1684	1687	1690	rVV2	859959	1034214	19.77%	1.569%
48	12.033	1690	1691	1696	rVB	517649	363133	6.94%	0.551%
49	12.080	1696	1699	1702	rBV3	93961	95870	1.83%	0.145%
50	12.192	1715	1718	1721	rVV	489160	435997	8.34%	0.661%
51	12.227	1721	1724	1728	rVV	403337	371401	7.10%	0.563%
52	12.345	1739	1744	1747	rBV	212971	255748	4.89%	0.388%
53	12.375	1747	1749	1751	rVB	143233	103221	1.97%	0.157%
54	12.404	1751	1754	1756	rVB	130633	121218	2.32%	0.184%
55	12.451	1759	1762	1765	rBV	431209	444286	8.49%	0.674%
56	12.492	1765	1769	1771	rVV3	228827	319301	6.10%	0.484%
57	12.510	1771	1772	1774	rVB	156476	81714	1.56%	0.124%
58	12.545	1774	1778	1782	rBV3	332300	402260	7.69%	0.610%
59	12.627	1786	1792	1795	rBV	4776952	4881697	93.33%	7.406%
60	12.680	1799	1801	1804	rVB	152325	108013	2.06%	0.164%
61	12.710	1804	1806	1809	rBV2	86770	74613	1.43%	0.113%
62	12.769	1810	1816	1819	rBV3	214204	297010	5.68%	0.451%
63	12.798	1819	1821	1824	rVB2	92919	71454	1.37%	0.108%
64	12.857	1824	1831	1834	rBV	4649499	5230812	100.00%	7.935%
65	12.898	1834	1838	1842	rVB2	279529	319379	6.11%	0.485%
66	12.986	1846	1853	1855	rBV2	1638541	1721024	32.90%	2.611%
67	13.010	1855	1857	1861	rVB	248262	232689	4.45%	0.353%
68	13.069	1862	1867	1871	rBV3	338131	589206	11.26%	0.894%
69	13.151	1878	1881	1883	rBV3	295761	385583	7.37%	0.585%
70	13.174	1883	1885	1888	rVB2	478455	467392	8.94%	0.709%
71	13.245	1894	1897	1899	rVV	228143	190631	3.64%	0.289%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : K321-WC-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.280	1899	1903	1906	rVV2	494203	576655	11.02%	0.875%
73	13.339	1910	1913	1915	rVB2	103027	90078	1.72%	0.137%
74	13.374	1916	1919	1922	rBV	312152	274213	5.24%	0.416%
75	13.404	1922	1924	1927	rVV	313676	285596	5.46%	0.433%
76	13.492	1937	1939	1943	rVB	106609	85122	1.63%	0.129%
77	13.557	1947	1950	1951	rBV2	84967	89406	1.71%	0.136%
78	13.604	1955	1958	1960	rVB	108065	102281	1.96%	0.155%
79	13.692	1970	1973	1977	rVV	607252	521404	9.97%	0.791%
80	13.804	1987	1992	1994	rBV	509480	630485	12.05%	0.956%
81	13.827	1994	1996	1998	rVV	567530	503710	9.63%	0.764%
82	13.857	1998	2001	2004	rVV2	410499	692555	13.24%	1.051%
83	13.904	2007	2009	2016	rVB	636390	600944	11.49%	0.912%
84	14.051	2026	2034	2037	rBV2	2568375	3957569	75.66%	6.004%
85	14.086	2037	2040	2043	rVB	2193692	2040182	39.00%	3.095%
86	14.163	2050	2053	2057	rBV	312861	267117	5.11%	0.405%
87	14.404	2091	2094	2096	rBV	209092	181546	3.47%	0.275%
88	14.439	2096	2100	2103	rVV	499541	542264	10.37%	0.823%
89	14.474	2103	2106	2108	rVV	240664	198183	3.79%	0.301%
90	14.569	2119	2122	2124	rBV	239644	226425	4.33%	0.343%
91	14.763	2153	2155	2163	rBV6	137651	248955	4.76%	0.378%
92	14.945	2183	2186	2190	rVB2	209671	228510	4.37%	0.347%
93	15.116	2210	2215	2225	rVB	1654593	3274826	62.61%	4.968%
94	15.221	2230	2233	2237	rBV	326658	377288	7.21%	0.572%
95	15.427	2263	2268	2274	rVB	865248	1276672	24.41%	1.937%
96	15.492	2274	2279	2283	rBV	1388563	1629124	31.14%	2.471%
97	15.551	2285	2289	2292	rVV	620458	828928	15.85%	1.258%
98	15.580	2292	2294	2301	rVB2	408420	574067	10.97%	0.871%
99	17.068	2541	2547	2555	rVB2	498922	962112	18.39%	1.460%
100	17.527	2619	2625	2634	rVB	364649	768514	14.69%	1.166%

Sum of corrected areas: 65918233

LSC Report - Integrated Chromatogram

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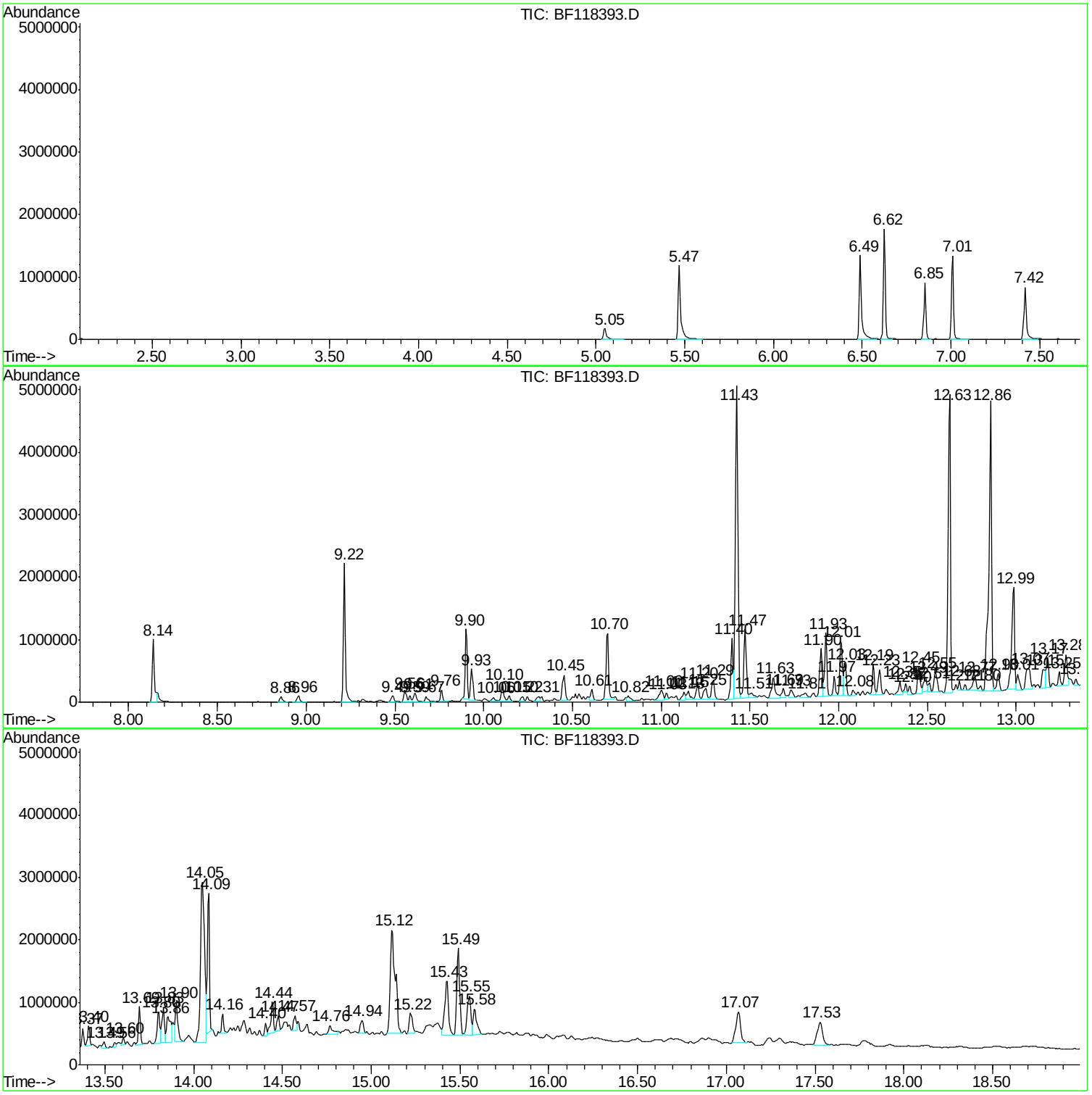
Data File : BF118393.D
Acq On : 30 Dec 2019 20:56
Operator : JU
Sample : K6441-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K321-WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123019\
Data File : BF118393.D
Acq On : 30 Dec 2019 20:56
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Sample : K6441-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K321-WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

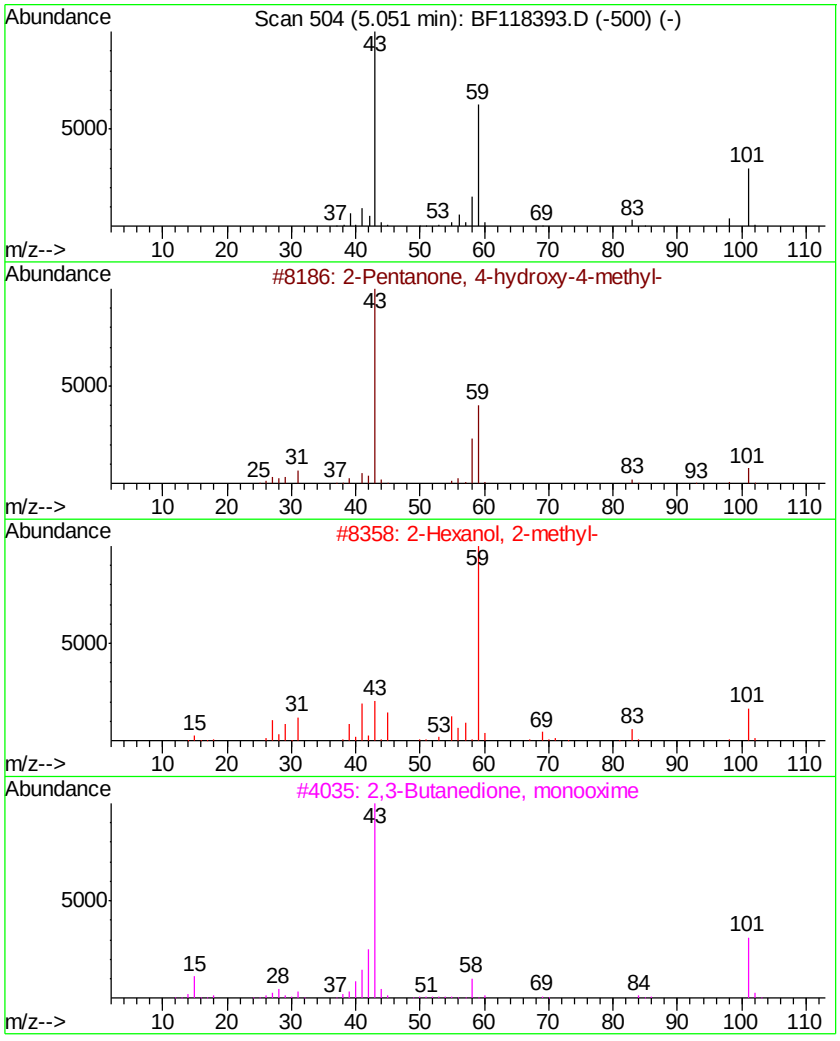
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

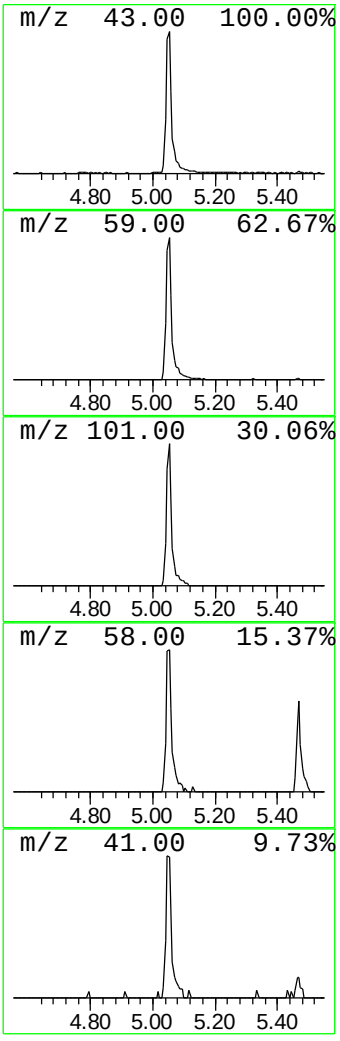
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	6.32 ng	227125	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	42
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123019\
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Instrument : BNA_F
ClientSampleId : K321-WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

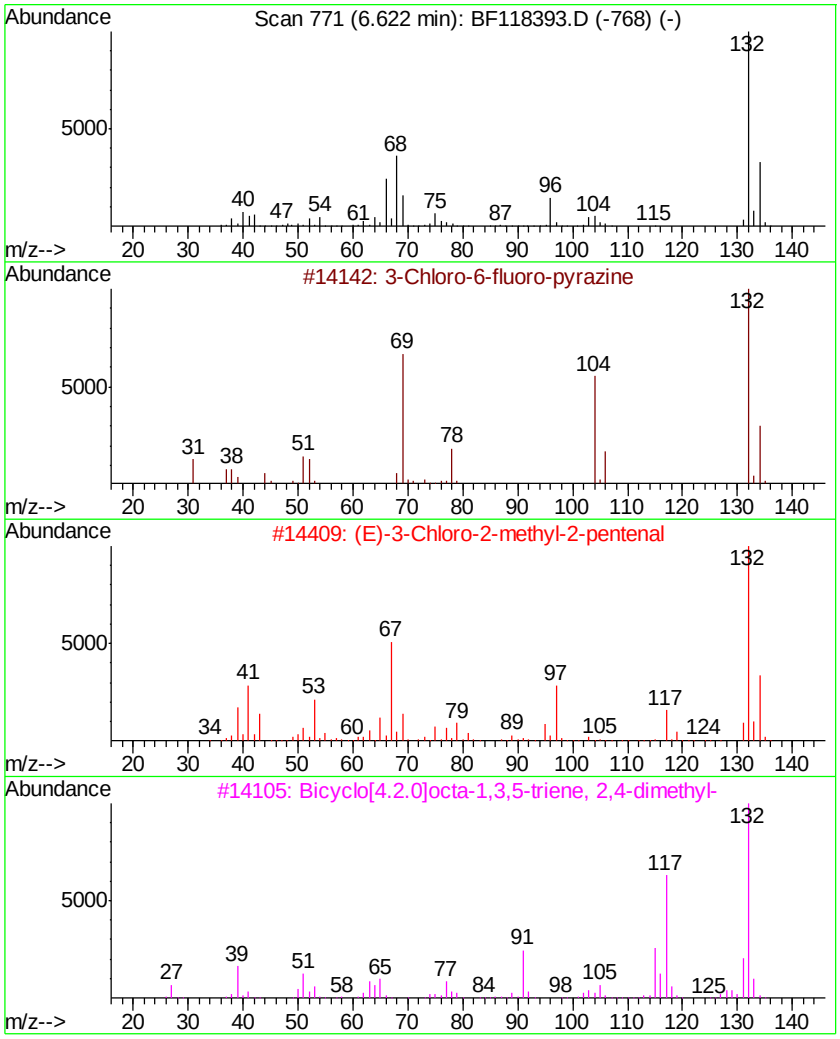
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

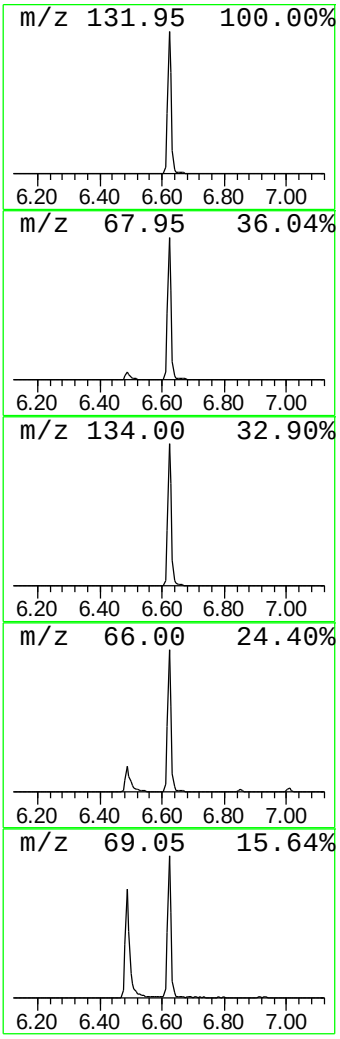
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	41.22 ng	1481590	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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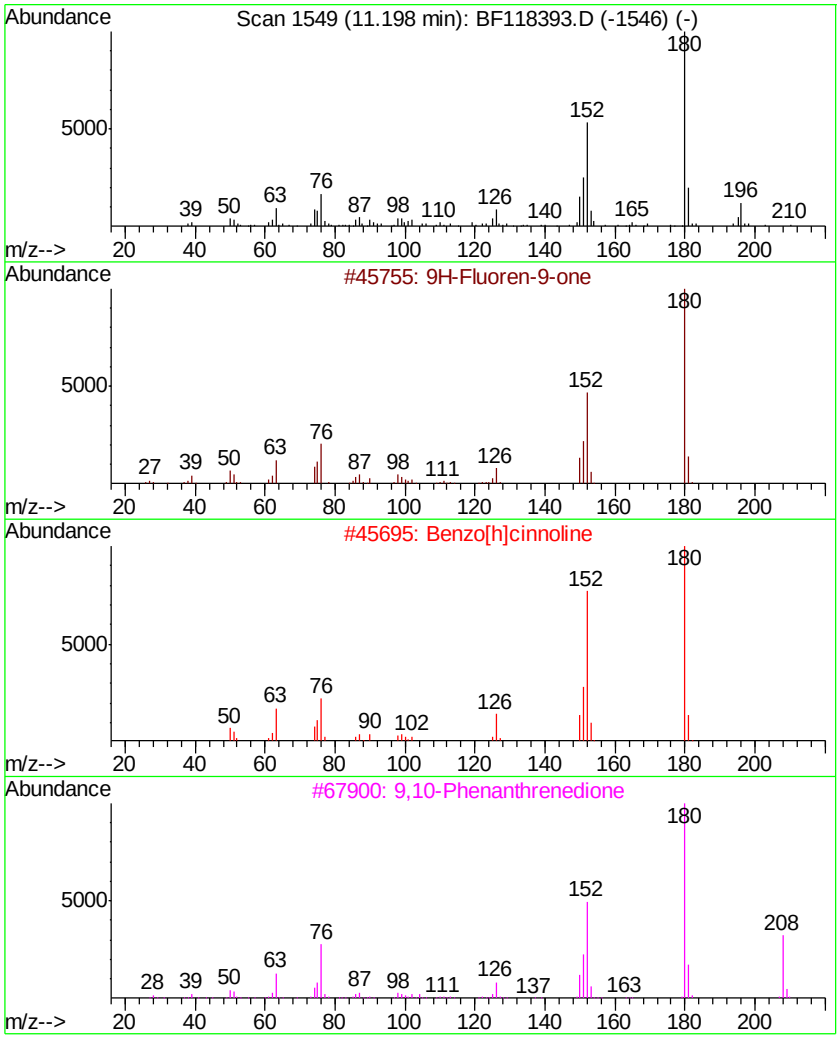
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

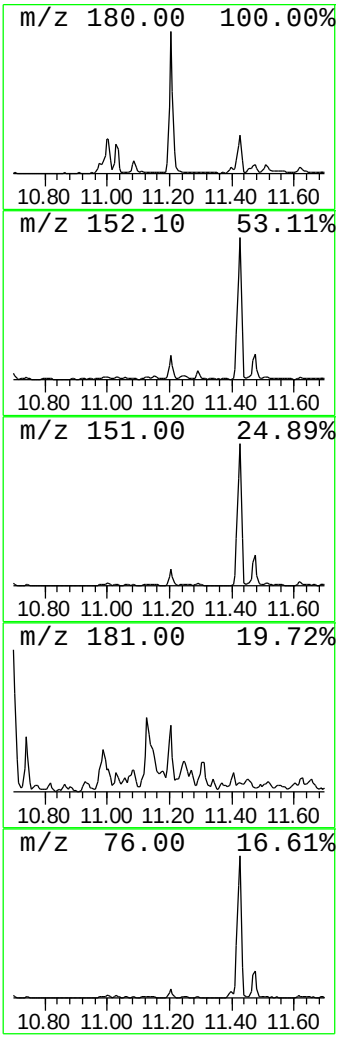
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	5.22 ng	260725	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	78
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
5	1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123019\
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K321-WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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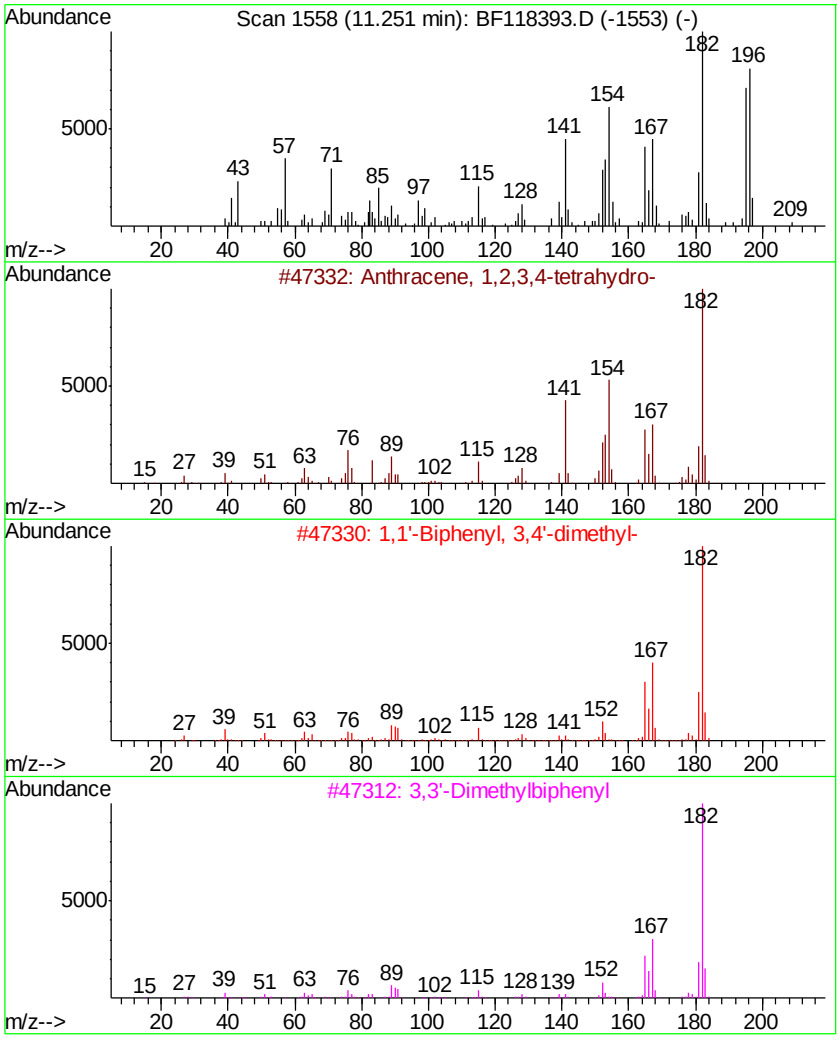
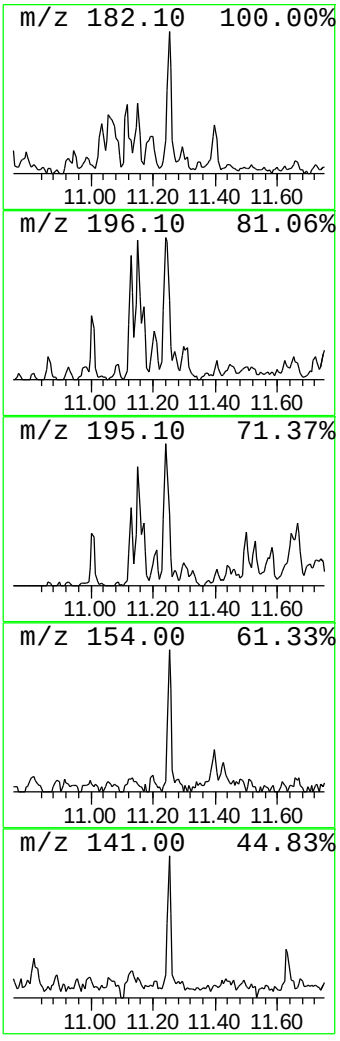
Peak Number 5 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	4.82 ng	240719	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	86
2	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	60
3	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	46
4	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	46
5	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123019\
Data File : BF118393.D
Acq On : 30 Dec 2019 20:56
Operator : JU
Sample : K6441-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K321-WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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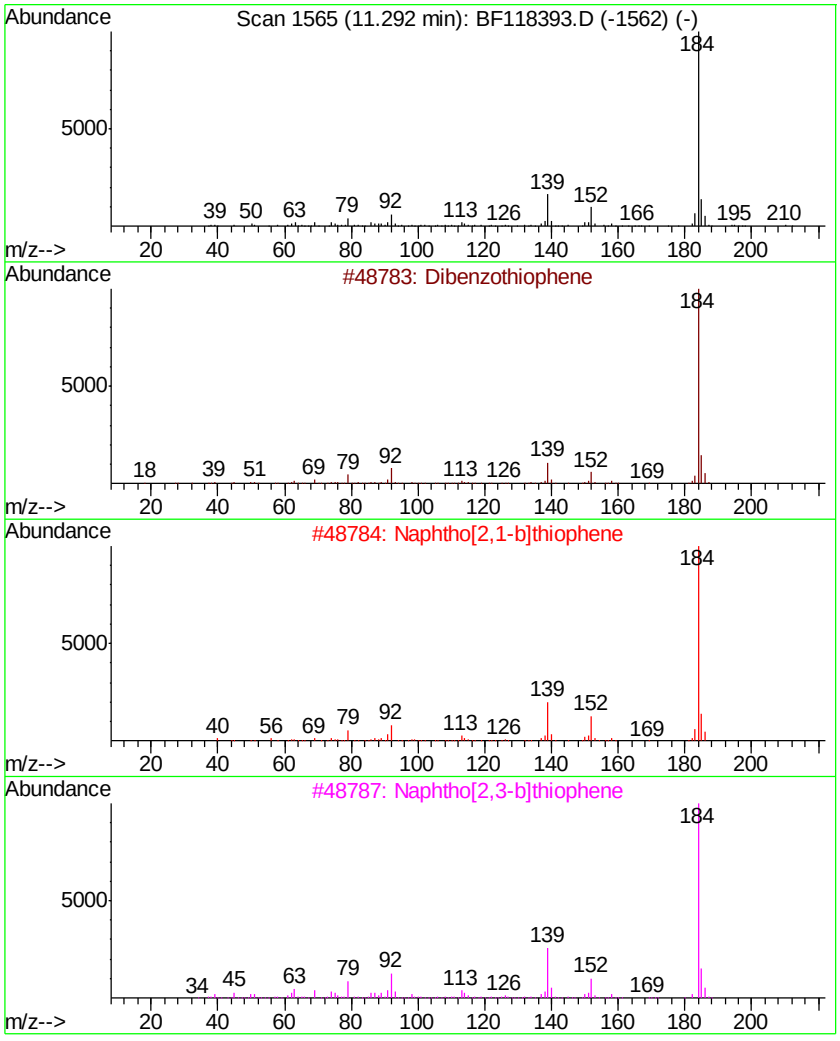
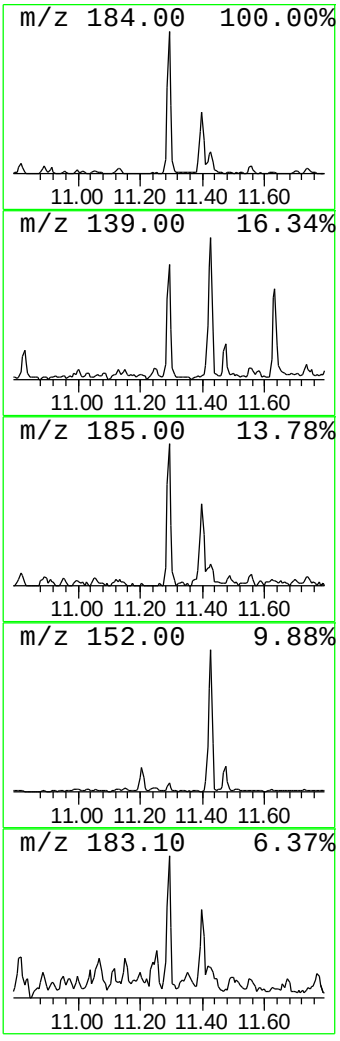
Peak Number 6 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	5.78 ng	288588	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Operator : JU
Sample : K6441-06 2X
Misc :
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ClientSampleId : K321-WC-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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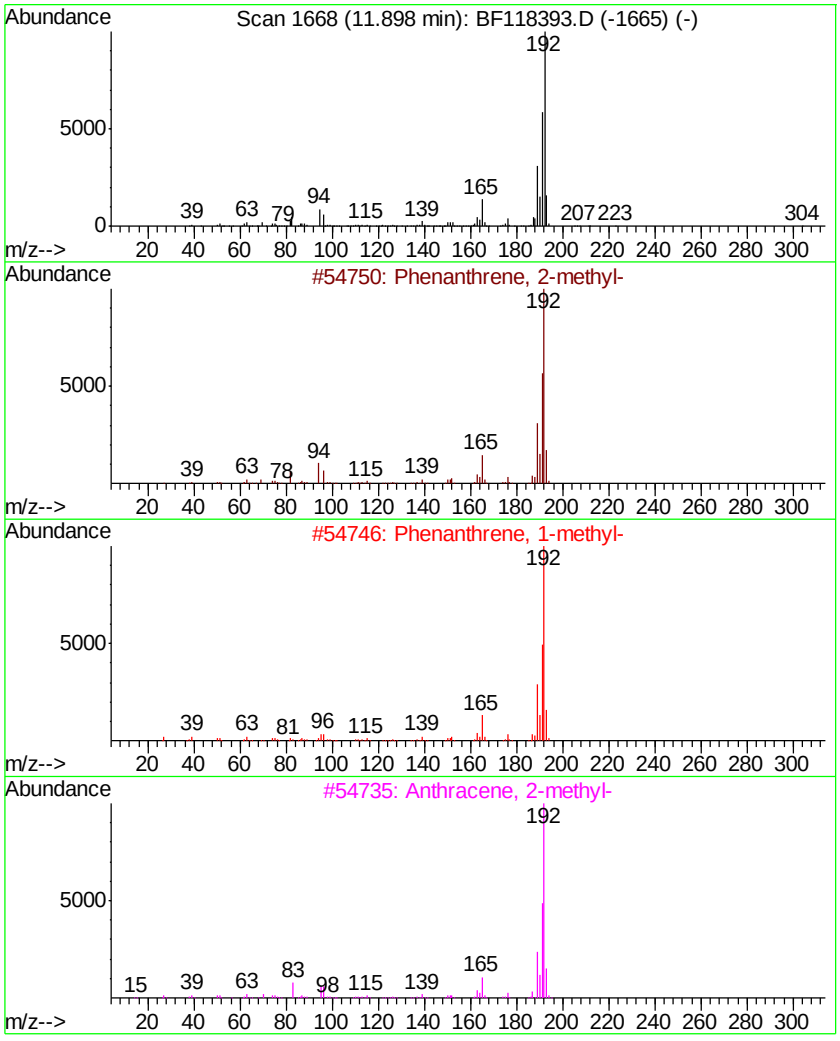
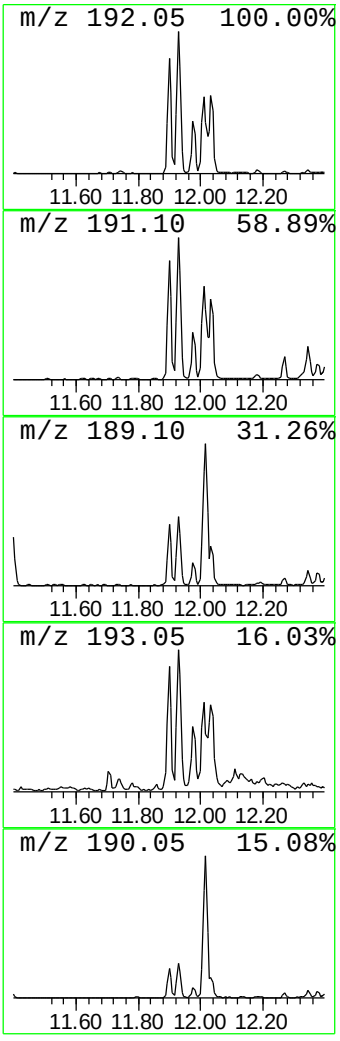
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	13.52 ng	675264	Phenanthrene-d10	11.40

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[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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

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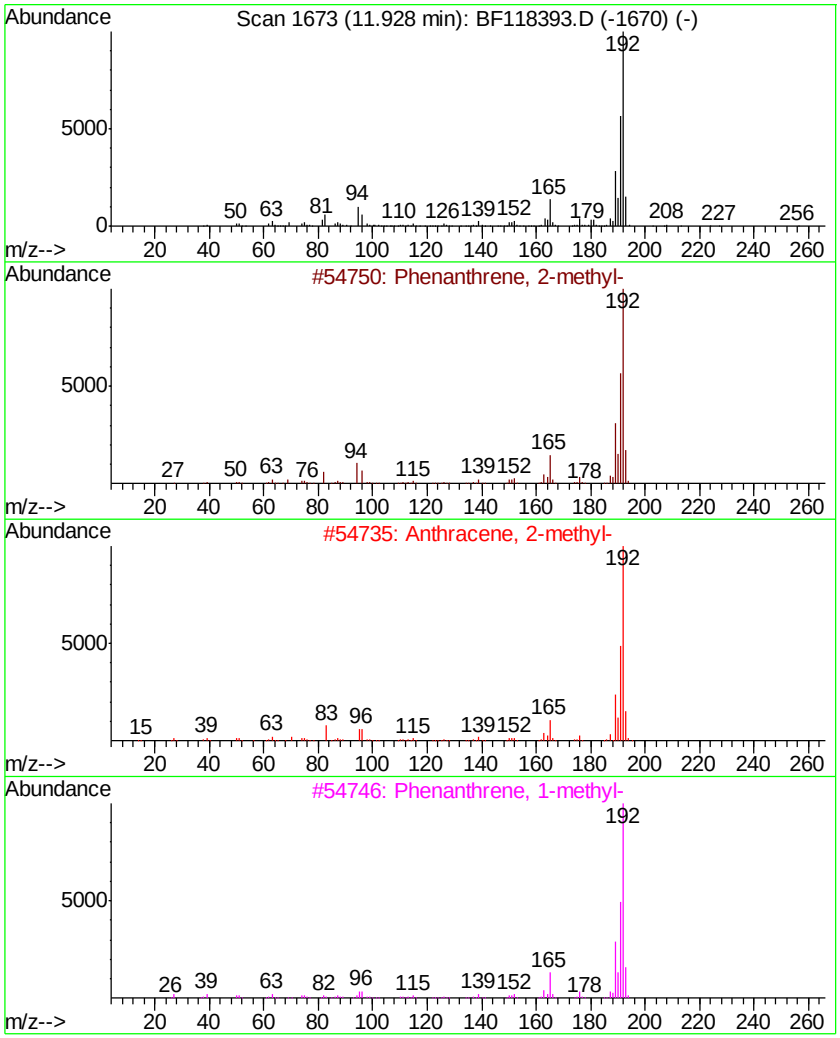
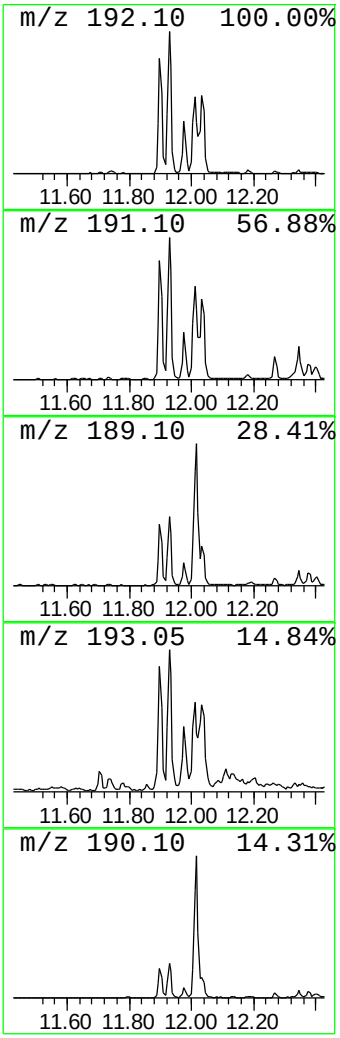
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	19.33 ng	965713	Phenanthrene-d10	11.40

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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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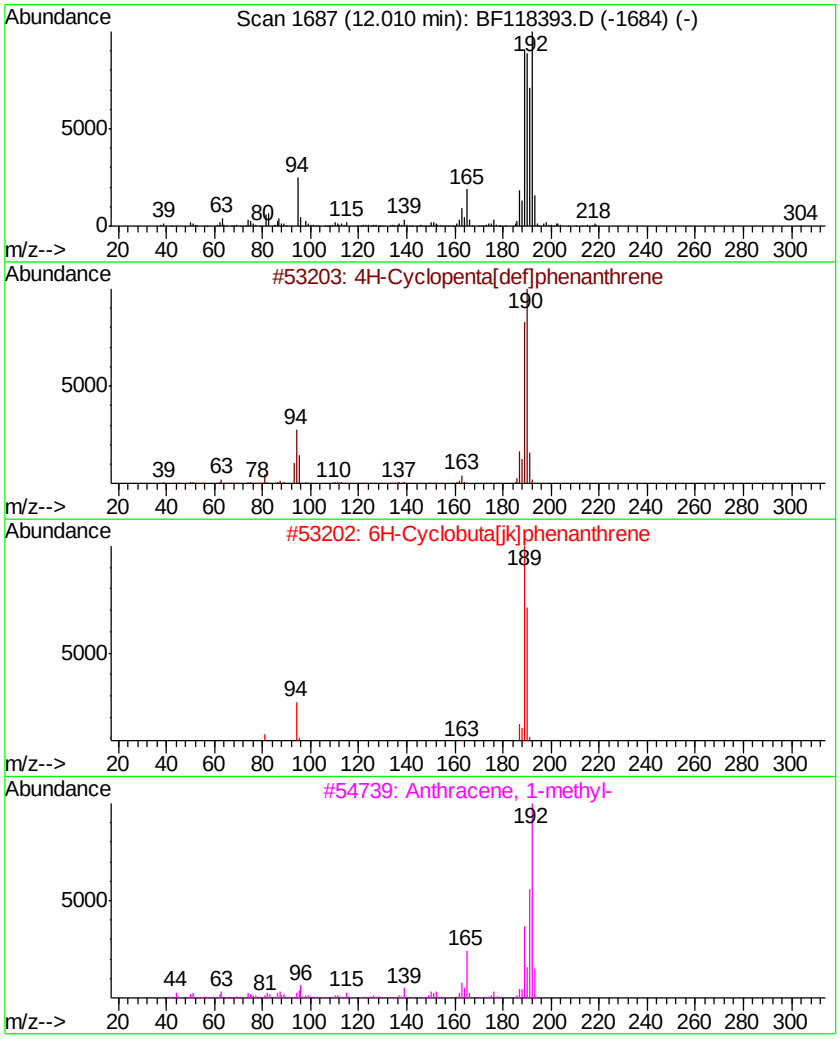
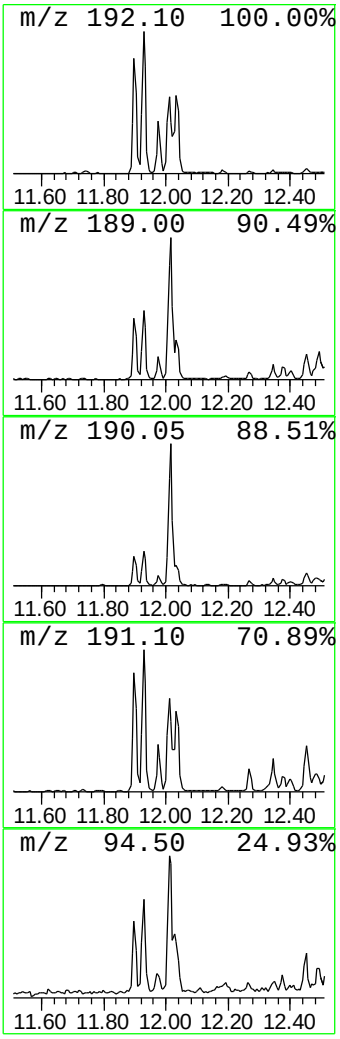
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	20.70 ng	1034210	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46





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ClientSampleId : K321-WC-01

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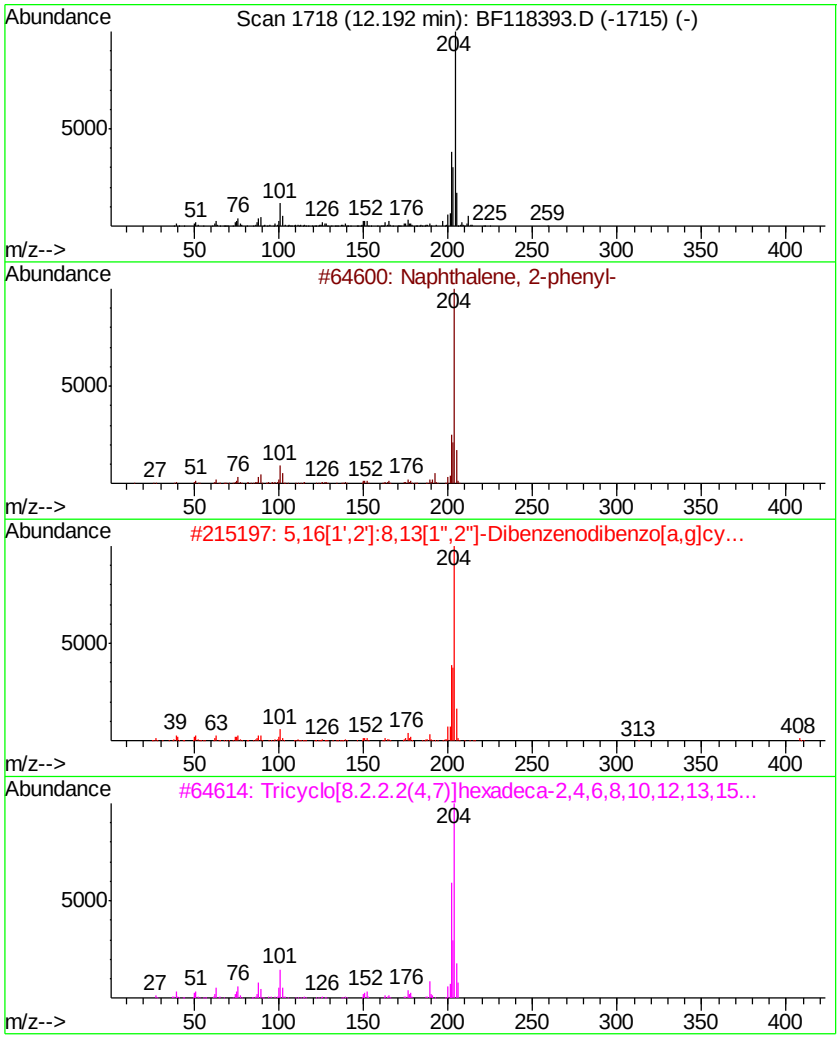
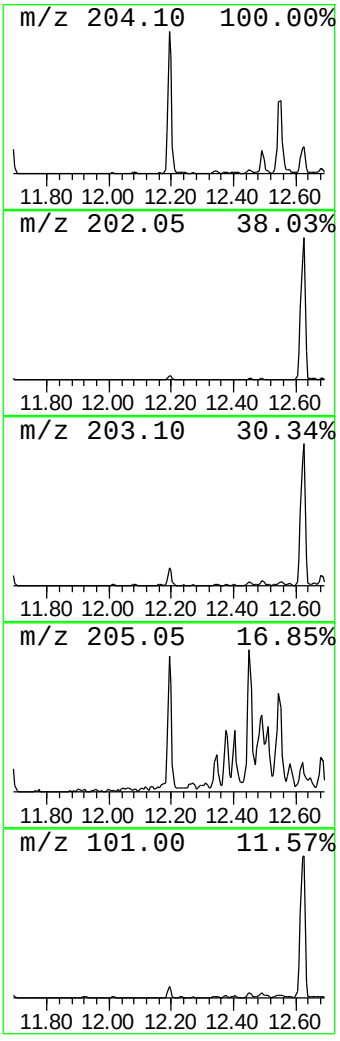
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	8.73 ng	435997	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	70
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70





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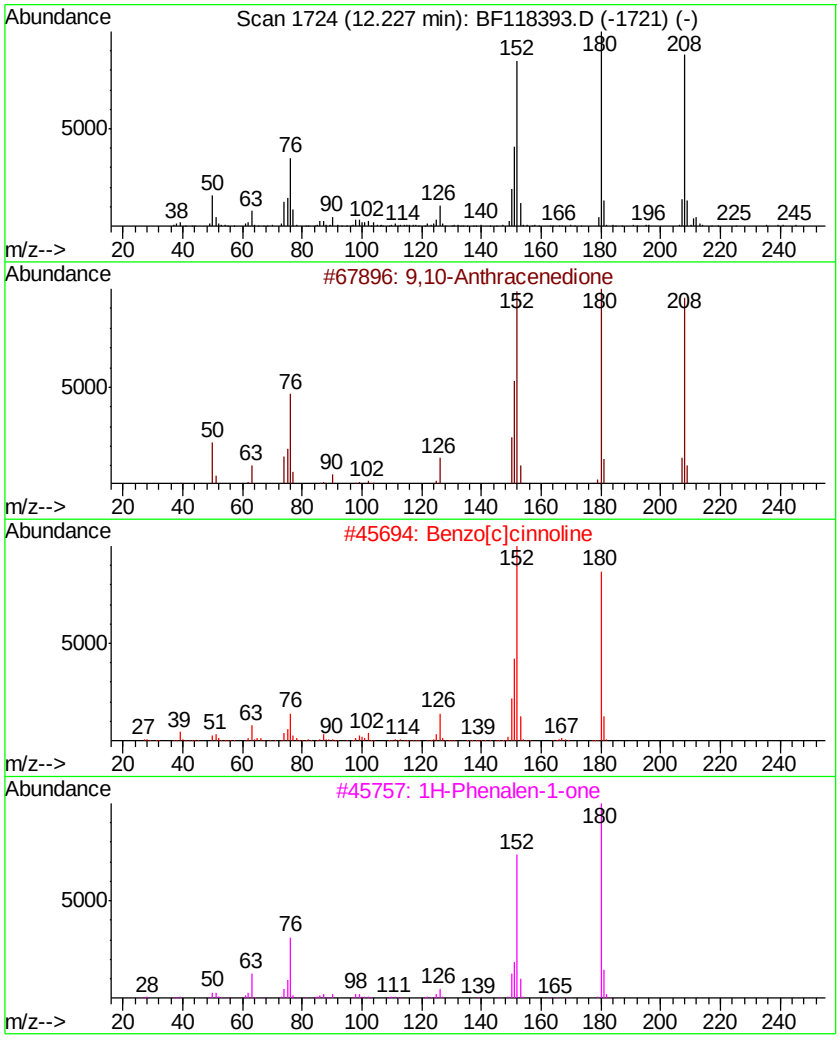
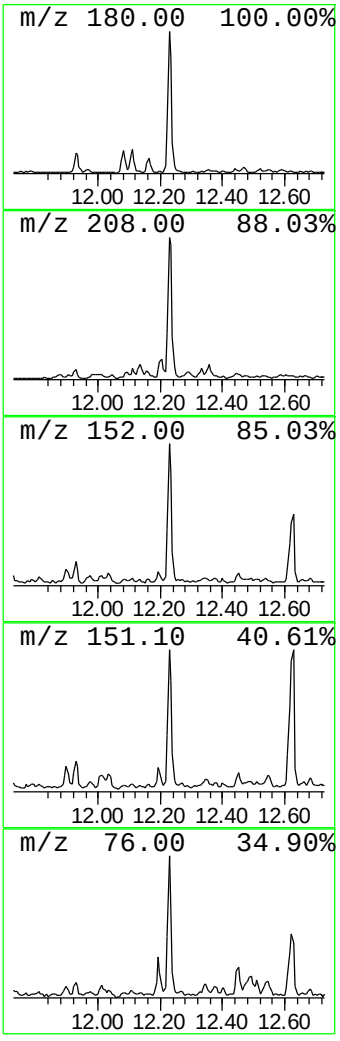
Peak Number 13 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	7.43 ng	371401	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	52
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	41





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Misc :
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ClientSampleId : K321-WC-01

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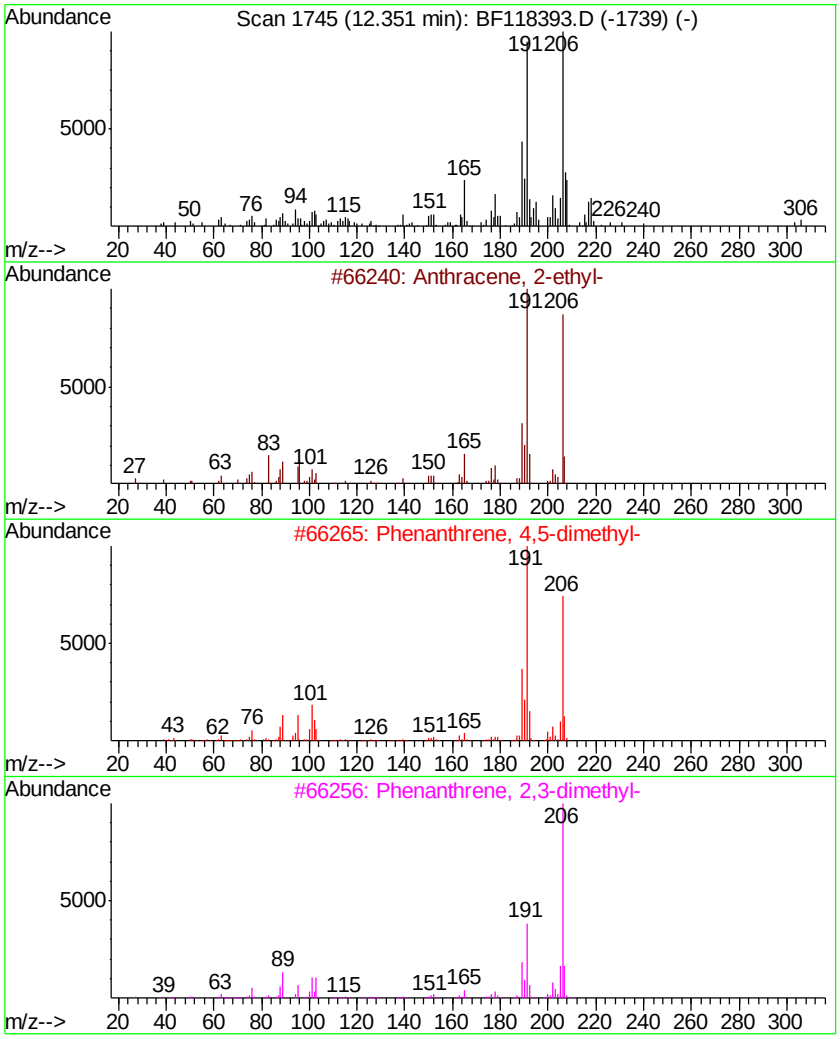
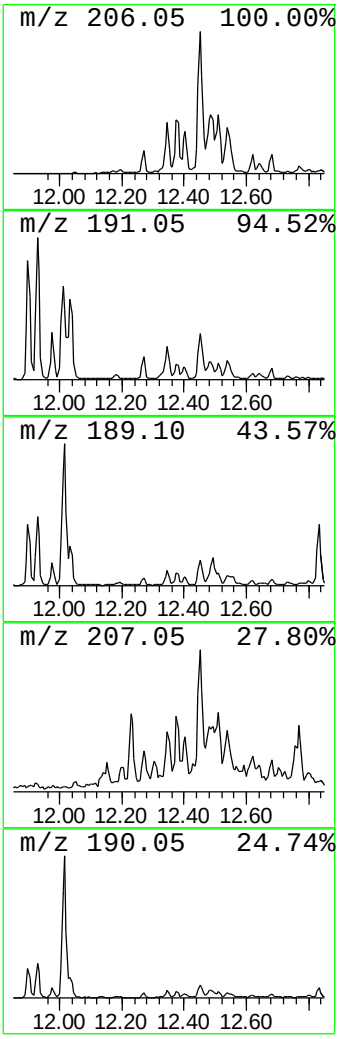
Peak Number 14 Anthracene, 2-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	5.12 ng	255748	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	94
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	89
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	89





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Instrument : BNA_F
ClientSampleId : K321-WC-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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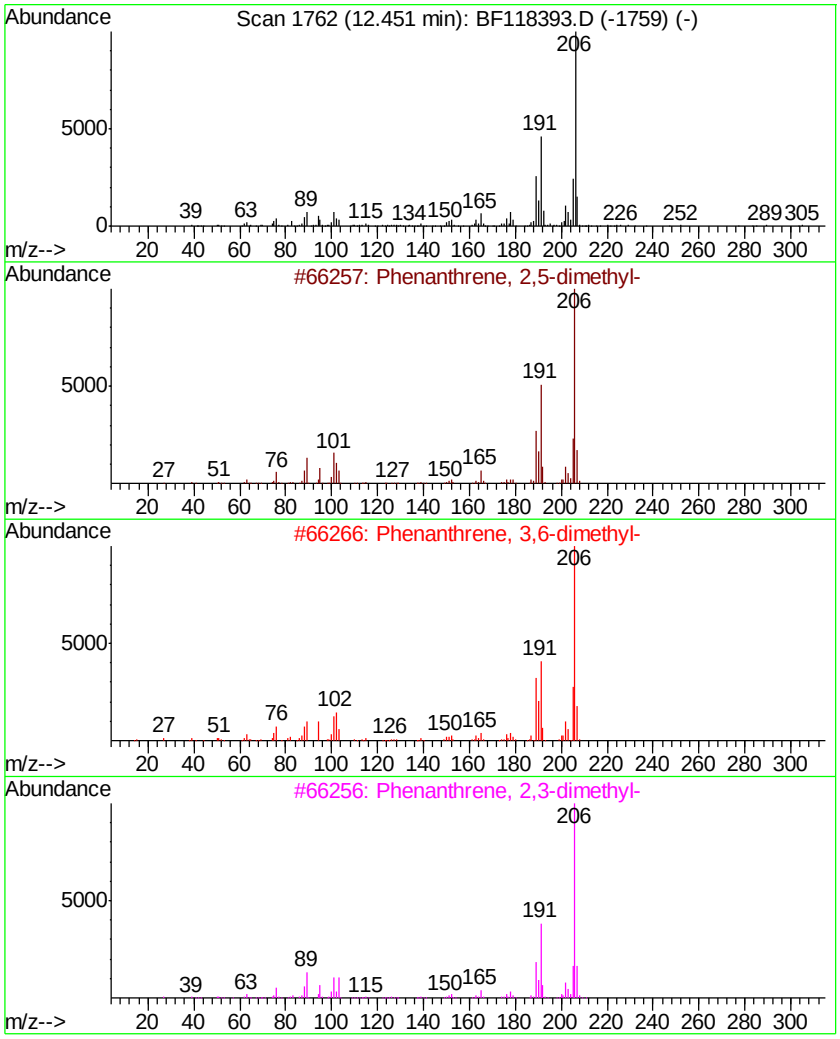
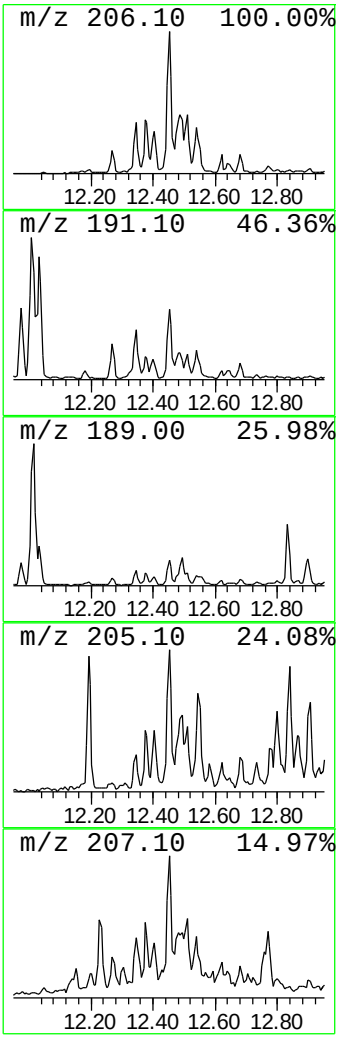
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	8.89 ng	444286	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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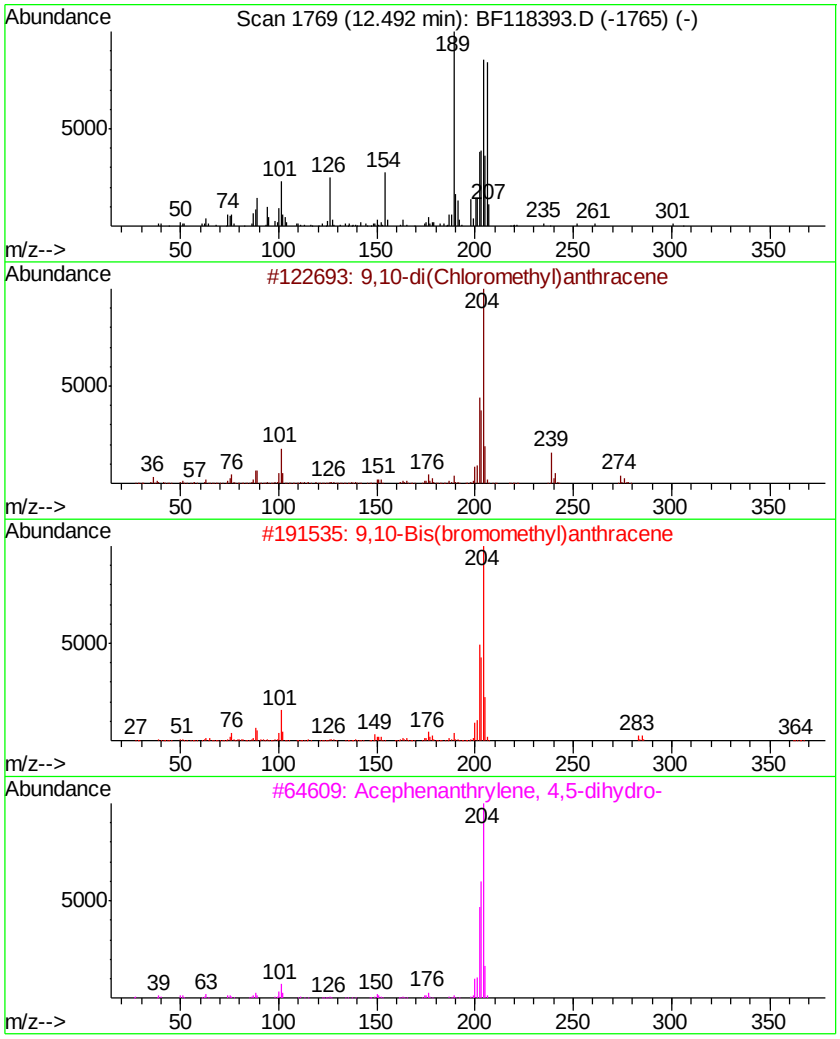
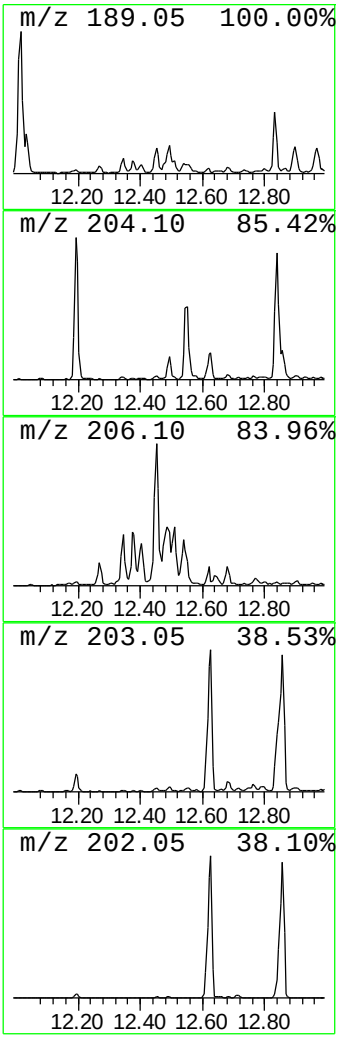
Peak Number 16 unknown12.49 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	6.39 ng	319301	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	25





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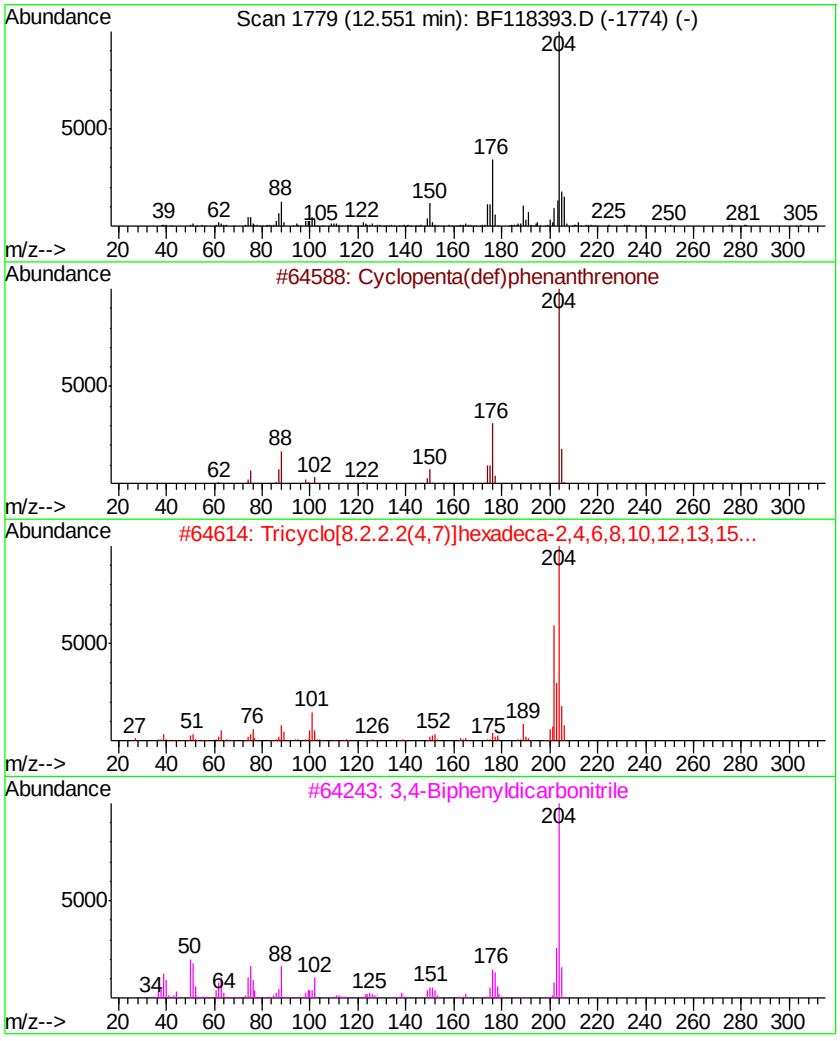
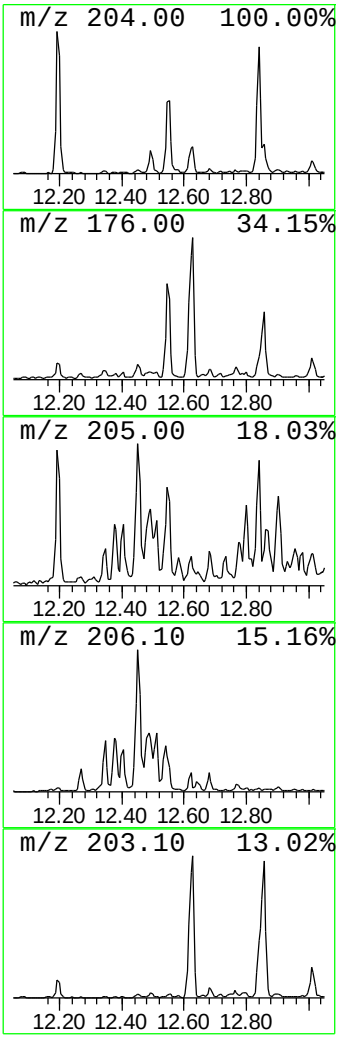
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	8.05 ng	402260	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
4	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45





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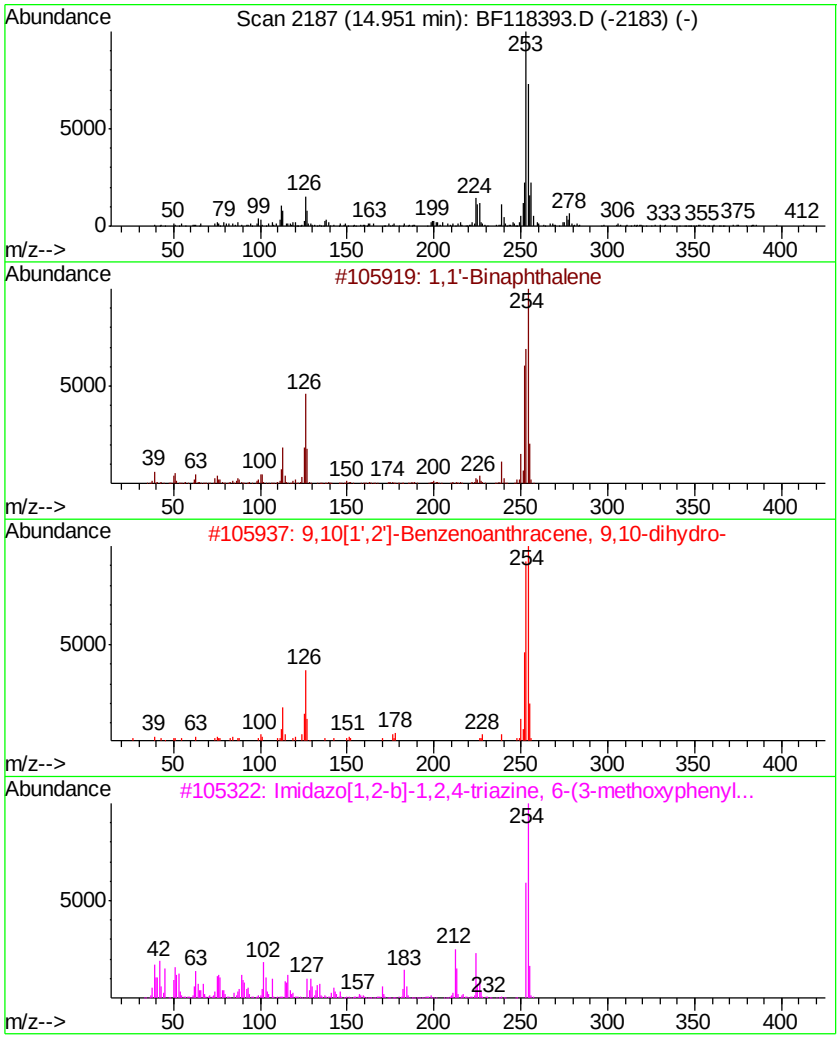
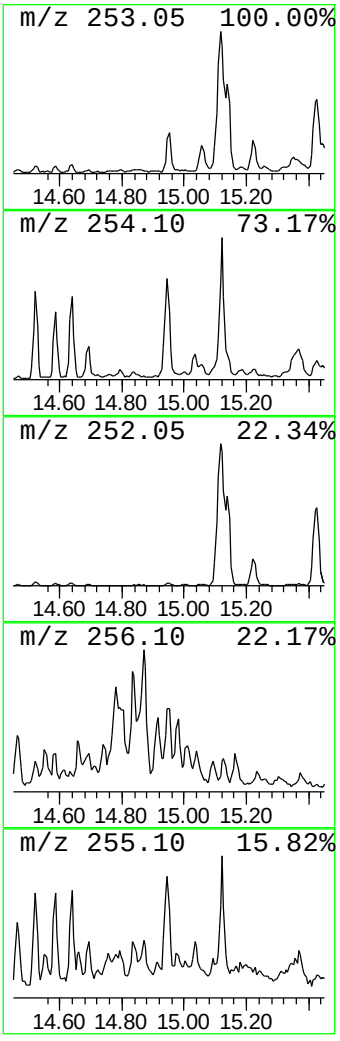
Peak Number 18 1,1'-Binaphthalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	5.51 ng	228510	Perylene-d12	15.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	70
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	62
3	Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	59
4	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	59
5	1,2'-Binaphthalene	254	C20H14	004325-74-0	58





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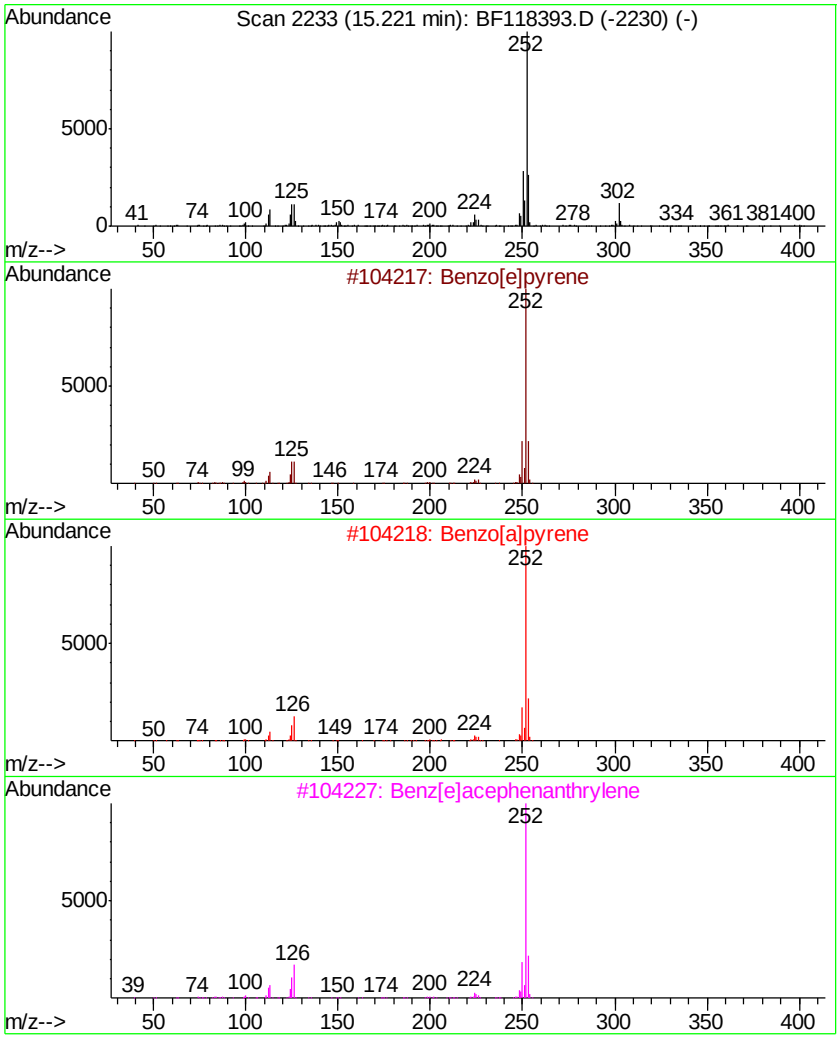
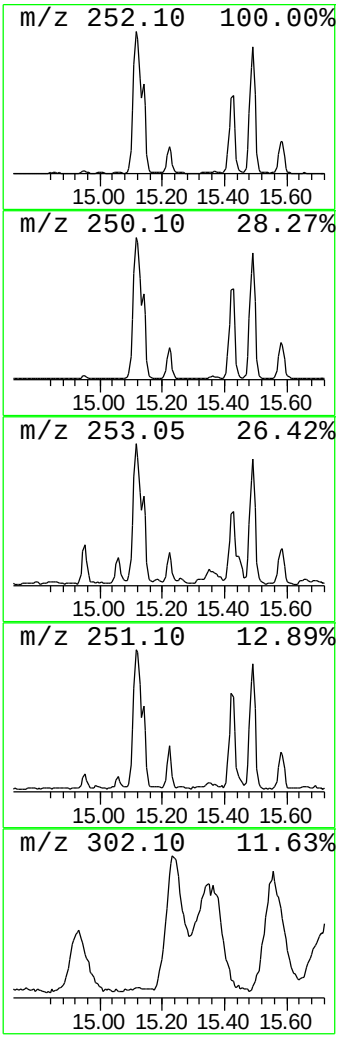
Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	9.10 ng	377288	Perylene-d12	15.55

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	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	86
5	Perylene	252	C20H12	000198-55-0	76





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ClientSampleId : K321-WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

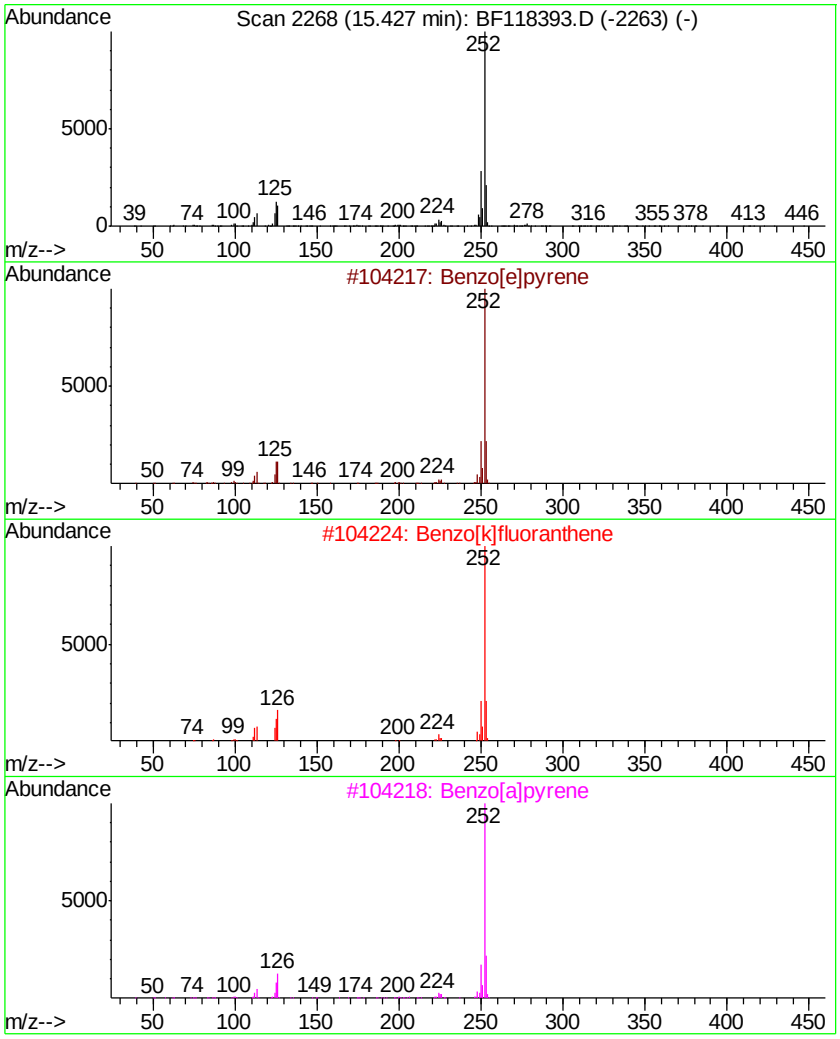
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

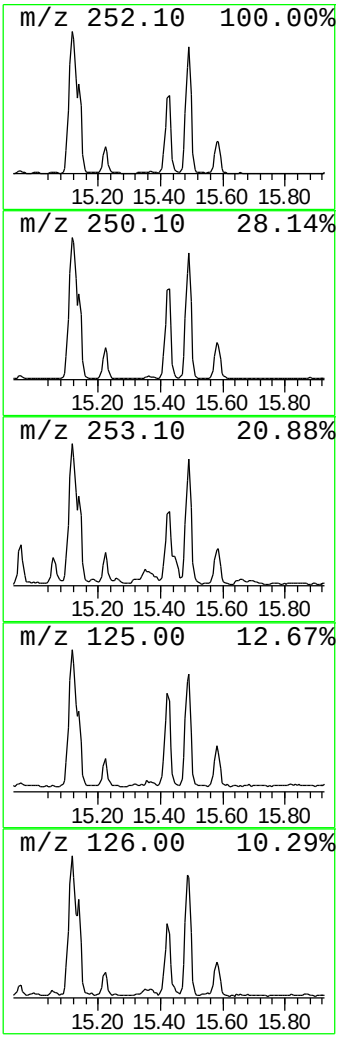
****

Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	30.80 ng	1276670	Perylene-d12	15.55

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF123019\
Data File : BF118393.D
Acq On : 30 Dec 2019 20:56
Operator : JU
Sample : K6441-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K321-WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.05	6.3	ng	227125	1	6.85	718943	20.0
unknown6.62	6.62	41.2	ng	1481590	1	6.85	718943	20.0
9H-Fluoren-9-one	11.20	5.2	ng	260725	4	11.40	999098	20.0
Anthracene, 1,2,3...	11.25	4.8	ng	240719	4	11.40	999098	20.0
Dibenzothiophene	11.29	5.8	ng	288588	4	11.40	999098	20.0
Phenanthrene, 2-m...	11.90	13.5	ng	675264	4	11.40	999098	20.0
Anthracene, 2-met...	11.93	19.3	ng	965713	4	11.40	999098	20.0
4H-Cyclopenta[def...	12.01	20.7	ng	1034210	4	11.40	999098	20.0
Naphthalene, 2-ph...	12.19	8.7	ng	435997	4	11.40	999098	20.0
9,10-Anthracenedione	12.23	7.4	ng	371401	4	11.40	999098	20.0
Anthracene, 2-ethyl-	12.35	5.1	ng	255748	4	11.40	999098	20.0
Phenanthrene, 2,5...	12.45	8.9	ng	444286	4	11.40	999098	20.0
unknown12.49	12.49	6.4	ng	319301	4	11.40	999098	20.0
Cyclopenta(def)ph...	12.55	8.1	ng	402260	4	11.40	999098	20.0
1,1'-Binaphthalene	14.95	5.5	ng	228510	6	15.55	828928	20.0
Benzo[e]pyrene	15.22	9.1	ng	377288	6	15.55	828928	20.0
Perylene	15.43	30.8	ng	1276670	6	15.55	828928	20.0