LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041020\
Data File : BF119909.D
Acq On : 10 Apr 2020 21:48
Operator : MA/SJ
Sample : L2199-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-37-36-COMP

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-BF040820.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	4.951	482	487	496	rVB	409774	521181	15.52%	0.963%
2	5.363	553	557	561	rBV	3285068	3306941	98.50%	6.112%
3	6.387	726	731	734	rBV	3076851	3269754	97.39%	6.043%
4	6.587	761	765	770	rBV2	69016	77162	2.30%	0.143%
5	6.751	790	793	797	rBV	1211184	1018226	30.33%	1.882%
6	6.910	816	820	823	rBV	3202406	2654158	79.06%	4.905%
7	7.016	834	838	844	rBV	38311	39751	1.18%	0.073%
8	7.316	880	889	892	rBV	2191487	2091113	62.29%	3.865%
9	8.039	1007	1012	1014	rBV	1515404	1267952	37.77%	2.343%
10	8.057	1014	1015	1019	rVB	162514	118058	3.52%	0.218%
11	8.751	1127	1133	1136	rVB	331103	281640	8.39%	0.521%
12	8.851	1145	1150	1153	rBV	321493	265963	7.92%	0.492%
13	9.069	1184	1187	1190	rBV2	41424	40376	1.20%	0.075%
14	9.116	1190	1195	1198	rBV	3933361	3357285	100.00%	6.205%
15	9.216	1206	1212	1214	rBV3	59986	102990	3.07%	0.190%
16	9.310	1226	1228	1233	rVB	127799	148418	4.42%	0.274%
17	9.381	1233	1240	1244	rBV2	220994	335410	9.99%	0.620%
18	9.451	1248	1252	1255	rVV	356617	377513	11.24%	0.698%
19	9.480	1255	1257	1259	rVV	262405	203477	6.06%	0.376%
20	9.510	1259	1262	1266	rVV	567416	493420	14.70%	0.912%
21	9.569	1269	1272	1277	rVB	214456	248468	7.40%	0.459%
22	9.651	1284	1286	1291	rVB	248640	232000	6.91%	0.429%
23	9.792	1304	1310	1313	rBV	1373652	1292961	38.51%	2.390%
24	9.828	1313	1316	1319	rVB	362827	330343	9.84%	0.611%
25	9.898	1325	1328	1333	rBV2	120942	163147	4.86%	0.302%
26	9.951	1333	1337	1339	rBV2	109534	141505	4.21%	0.262%
27	9.998	1341	1345	1348	rVB	225866	210156	6.26%	0.388%
28	10.039	1348	1352	1354	rBV	119207	96168	2.86%	0.178%
29	10.057	1354	1355	1360	rVB5	55927	55418	1.65%	0.102%
30	10.110	1361	1364	1367	rBV2	129552	129750	3.86%	0.240%
31	10.139	1367	1369	1372	rVB	109694	80388	2.39%	0.149%
32	10.204	1376	1380	1382	rBV	108695	128253	3.82%	0.237%
33	10.292	1393	1395	1398	rVB3	72431	63869	1.90%	0.118%
34	10.339	1400	1403	1405	rBV2	134230	127658	3.80%	0.236%

LSC Area Percent Report

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Acq On : 10 Apr 2020 21:48
Operator : MA/SJ
Sample : L2199-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-37-36-COMP

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.410	1409	1415	1416	rBV2	172298	220830	6.58%	0.408%
36	10.428	1416	1418	1421	rVV3	189587	175593	5.23%	0.325%
37	10.457	1421	1423	1425	rVV	123493	113038	3.37%	0.209%
38	10.498	1428	1430	1435	rVB3	133610	149788	4.46%	0.277%
39	10.580	1440	1444	1448	rBV	1833000	1800965	53.64%	3.329%
40	10.686	1456	1462	1463	rBV5	36313	60443	1.80%	0.112%
41	10.710	1463	1466	1470	rVB3	125742	137943	4.11%	0.255%
42	10.892	1492	1497	1499	rBV3	125249	175843	5.24%	0.325%
43	10.916	1499	1501	1508	rVV3	120936	207378	6.18%	0.383%
44	10.975	1508	1511	1514	rVB2	169648	154919	4.61%	0.286%
45	11.004	1514	1516	1518	rBV	72183	60693	1.81%	0.112%
46	11.039	1520	1522	1525	rVV2	105140	109005	3.25%	0.201%
47	11.086	1528	1530	1534	rVB4	54670	63800	1.90%	0.118%
48	11.133	1535	1538	1540	rVV2	71136	85384	2.54%	0.158%
49	11.180	1543	1546	1553	rVB	325779	371592	11.07%	0.687%
50	11.280	1560	1563	1565	rBV	1155501	1070842	31.90%	1.979%
51	11.310	1565	1568	1571	rVV	2567222	2158714	64.30%	3.990%
52	11.357	1571	1576	1579	rVB	954505	755681	22.51%	1.397%
53	11.392	1579	1582	1585	rBV2	94308	121236	3.61%	0.224%
54	11.516	1601	1603	1605	rBV2	61158	60861	1.81%	0.112%
55	11.580	1612	1614	1616	rVB	141451	98776	2.94%	0.183%
56	11.610	1616	1619	1623	rBV	225039	224620	6.69%	0.415%
57	11.698	1631	1634	1638	rVB	166191	180329	5.37%	0.333%
58	11.739	1639	1641	1643	rVV2	44319	44178	1.32%	0.082%
59	11.786	1645	1649	1651	rVV	737966	696858	20.76%	1.288%
60	11.816	1651	1654	1658	rVV	1249424	1140309	33.97%	2.108%
61	11.863	1659	1662	1664	rVV	354575	338365	10.08%	0.625%
62	11.898	1664	1668	1670	rVV	1067420	1157947	34.49%	2.140%
63	11.922	1670	1672	1677	rVB	559234	457230	13.62%	0.845%
64	12.016	1686	1688	1691	rVB2	117647	106318	3.17%	0.196%
65	12.080	1697	1699	1701	rBV	315759	221543	6.60%	0.409%
66	12.104	1701	1703	1709	rVB3	126288	153231	4.56%	0.283%
67	12.157	1710	1712	1714	rBV	61381	54871	1.63%	0.101%
68	12.210	1719	1721	1723	rBV	101087	103495	3.08%	0.191%
69	12.233	1723	1725	1727	rVB2	118526	96608	2.88%	0.179%
70	12.263	1727	1730	1732	rBV	139383	131261	3.91%	0.243%
71	12.333	1739	1742	1745	rBV	390239	422112	12.57%	0.780%

LSC Area Percent Report

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Acq On : 10 Apr 2020 21:48
Operator : MA/SJ
Sample : L2199-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-37-36-COMP

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.374	1745	1749	1754	rVB3	314035	474983	14.15%	0.878%
73	12.421	1754	1757	1762	rBV2	184708	329274	9.81%	0.609%
74	12.498	1766	1770	1773	rBV	1460952	1219560	36.33%	2.254%
75	12.545	1776	1778	1780	rVV	106971	72696	2.17%	0.134%
76	12.604	1785	1788	1794	rVV5	284485	310651	9.25%	0.574%
77	12.727	1803	1809	1811	rBV	2105929	1991846	59.33%	3.681%
78	12.745	1811	1812	1815	rVB2	178914	147296	4.39%	0.272%
79	12.874	1830	1834	1837	rBV	2955142	2711478	80.76%	5.011%
80	12.945	1843	1846	1850	rBV	270151	333344	9.93%	0.616%
81	12.998	1853	1855	1858	rBV3	88557	102296	3.05%	0.189%
82	13.051	1858	1864	1868	rVB	467216	706194	21.03%	1.305%
83	13.121	1873	1876	1879	rVB	372149	321231	9.57%	0.594%
84	13.157	1879	1882	1885	rBV	390160	385835	11.49%	0.713%
85	13.251	1895	1898	1901	rBV	321849	259475	7.73%	0.480%
86	13.280	1901	1903	1906	rVB	338321	265264	7.90%	0.490%
87	13.357	1914	1916	1921	rVB4	179022	182582	5.44%	0.337%
88	13.704	1973	1975	1977	rVB	171532	112211	3.34%	0.207%
89	13.786	1986	1989	1996	rVB4	275477	413653	12.32%	0.765%
90	13.921	2008	2012	2015	rBV2	1229465	1747731	52.06%	3.230%
91	13.951	2015	2017	2025	rVB	758835	689955	20.55%	1.275%
92	14.315	2077	2079	2082	rVB	280632	212583	6.33%	0.393%
93	14.345	2082	2084	2087	rVB	166012	137022	4.08%	0.253%
94	14.404	2092	2094	2097	rVB2	315472	293842	8.75%	0.543%
95	14.951	2184	2187	2195	rVB	487848	890834	26.53%	1.646%
96	15.033	2198	2201	2203	rBV	274411	271124	8.08%	0.501%
97	15.245	2234	2237	2242	rVB	367766	450671	13.42%	0.833%
98	15.304	2243	2247	2252	rVV	589613	772506	23.01%	1.428%
99	15.362	2254	2257	2260	rVV	631281	754600	22.48%	1.395%
100	15.398	2260	2263	2269	rVB3	426444	592035	17.63%	1.094%

Sum of corrected areas: 54106243

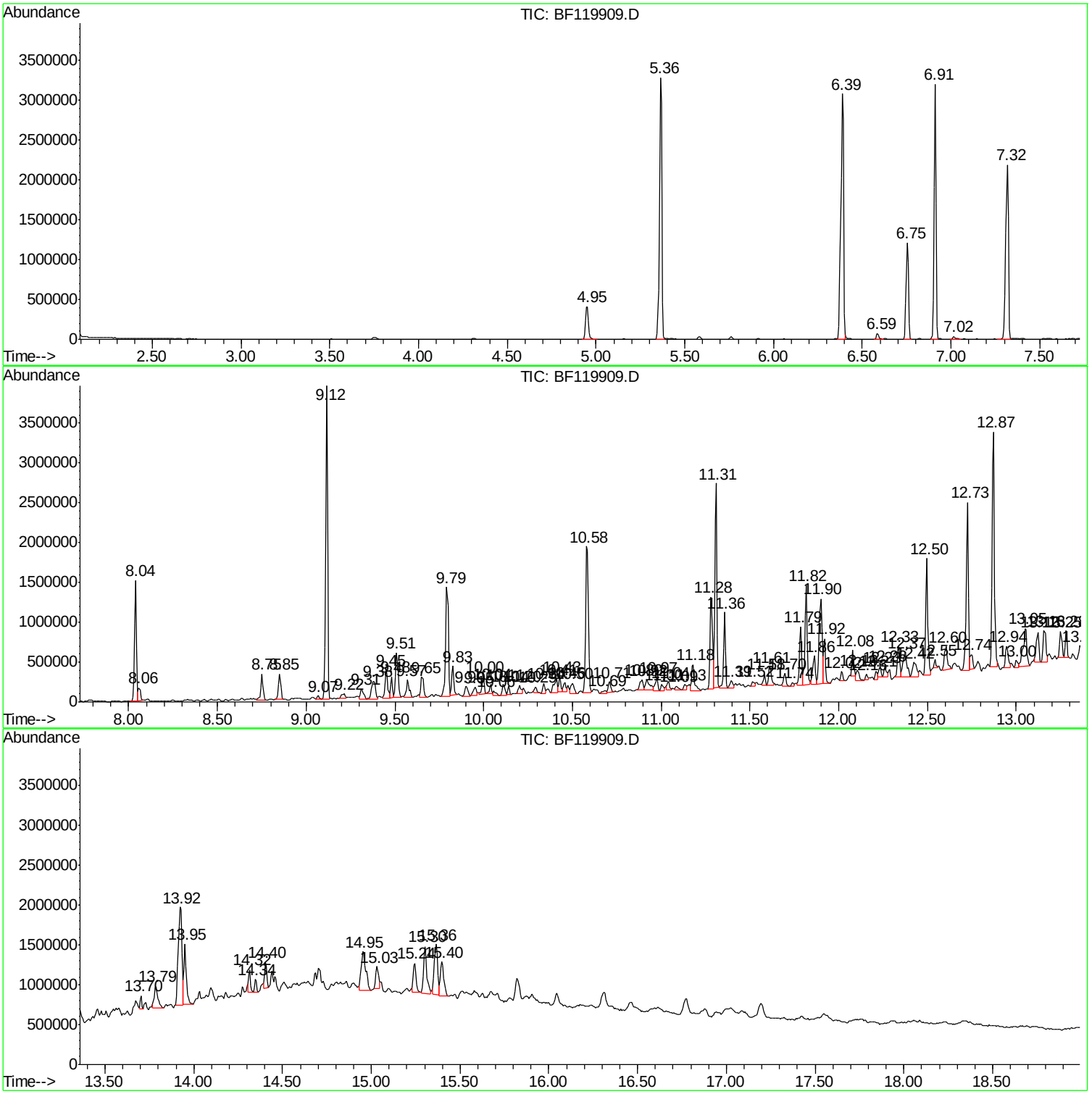
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041020\
Data File : BF119909.D
Acq On : 10 Apr 2020 21:48
Operator : MA/SJ
Sample : L2199-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-37-36-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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\BF041020\
Data File : BF119909.D
Acq On : 10 Apr 2020 21:48
Operator : MA/SJ
Sample : L2199-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-37-36-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

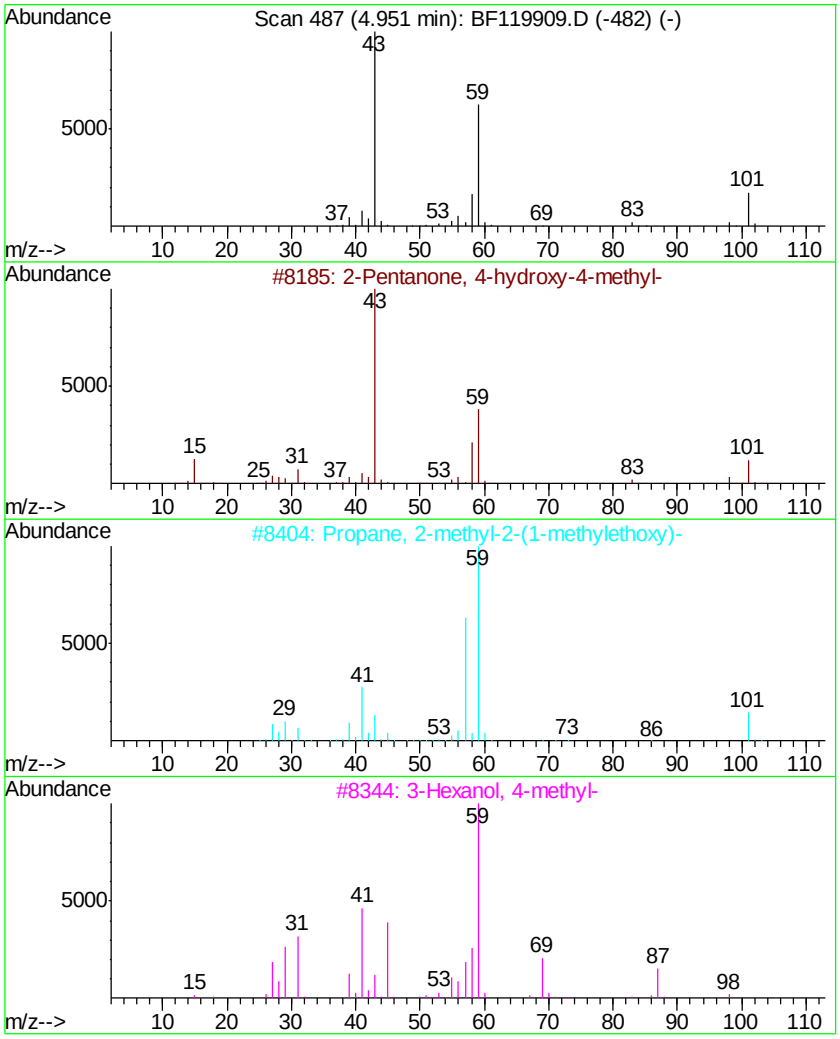
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

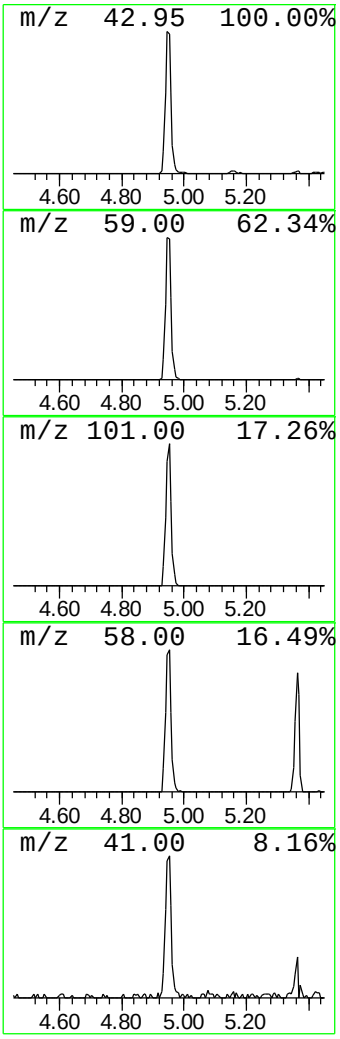
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.95	10.24 ng	521181	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041020\
Data File : BF119909.D
Acq On : 10 Apr 2020 21:48
Operator : MA/SJ
Sample : L2199-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-37-36-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

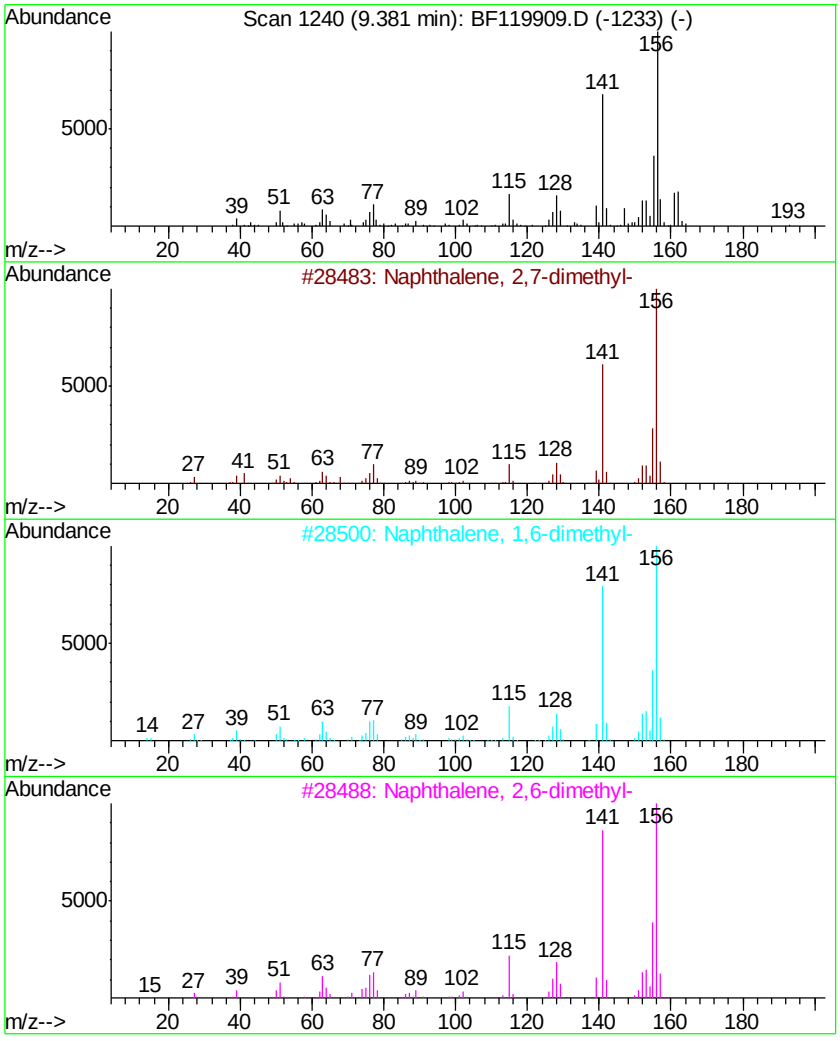
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

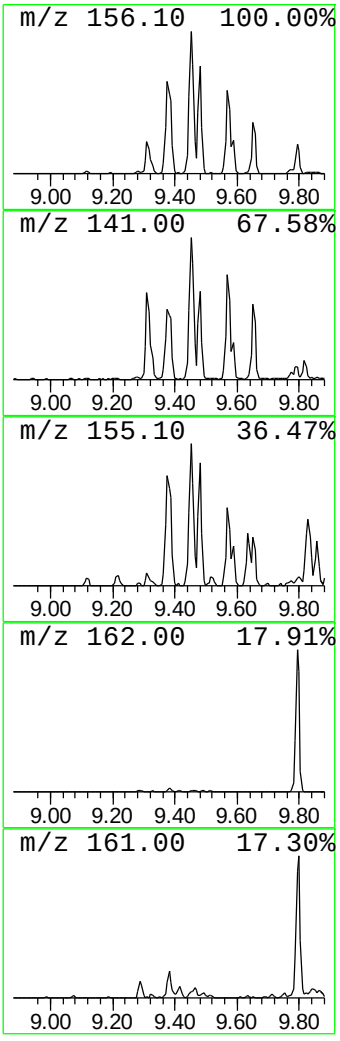
****

Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.38	5.19 ng	335410	Acenaphthene-d10	9.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041020\
Data File : BF119909.D
Acq On : 10 Apr 2020 21:48
Operator : MA/SJ
Sample : L2199-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-37-36-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
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TIC Library : C:\DATABASE\NIST11.L
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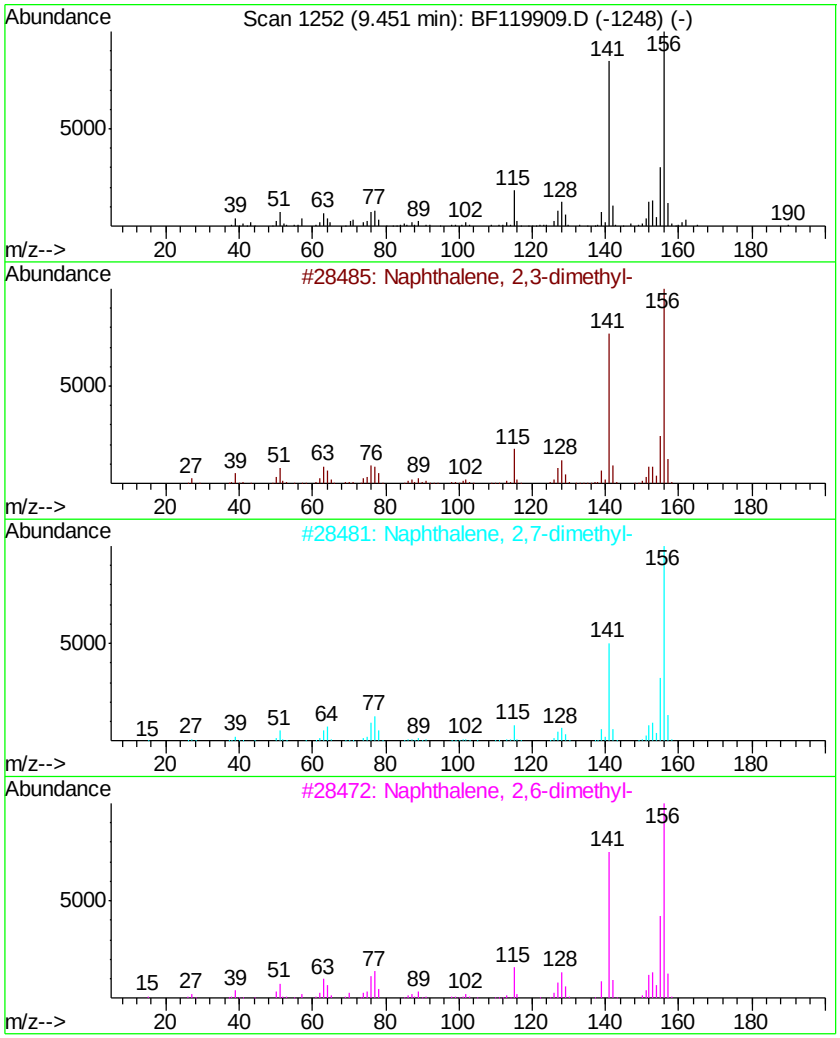
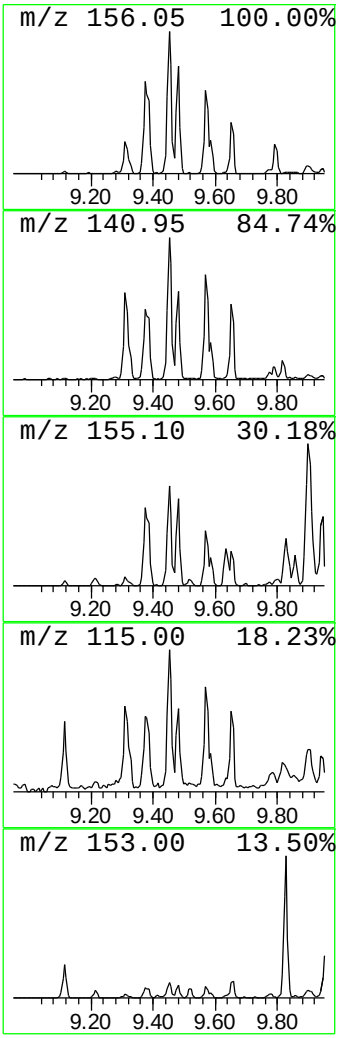
Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	5.84 ng	377513	Acenaphthene-d10	9.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041020\
Data File : BF119909.D
Acq On : 10 Apr 2020 21:48
Operator : MA/SJ
Sample : L2199-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-37-36-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

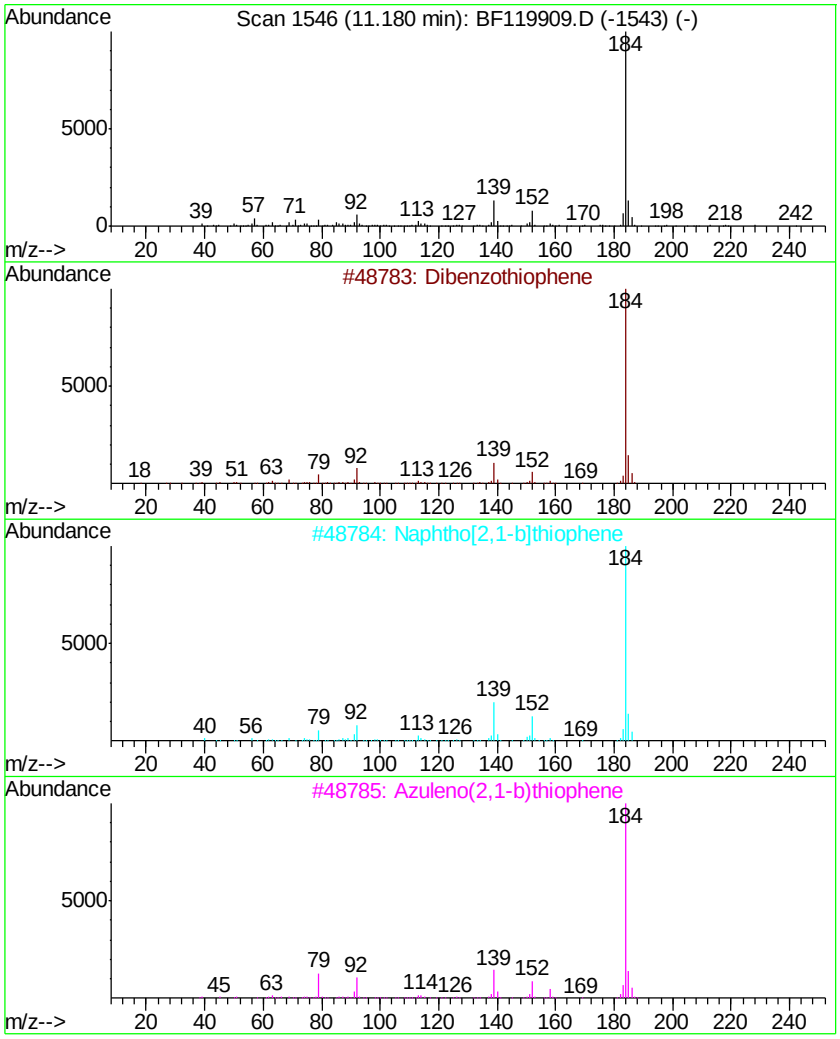
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

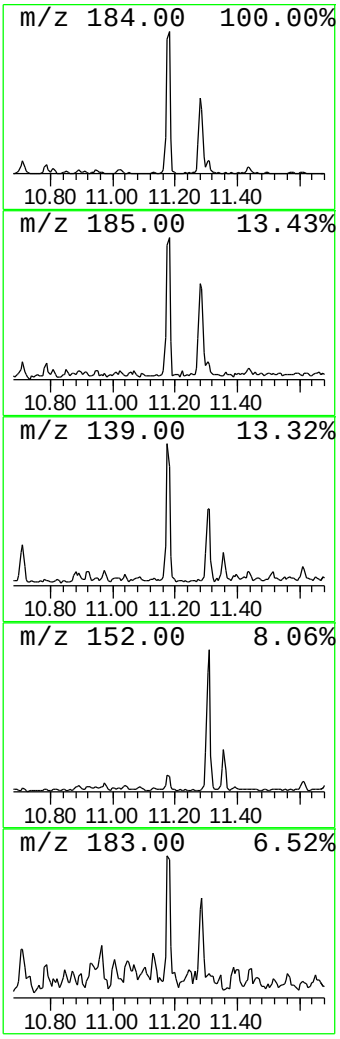
****

Peak Number 5 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	6.94 ng	371592	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4	Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	78
5	Thianthrene, 5-oxide	232	C12H8OS2	002362-50-7	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041020\
Data File : BF119909.D
Acq On : 10 Apr 2020 21:48
Operator : MA/SJ
Sample : L2199-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-37-36-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

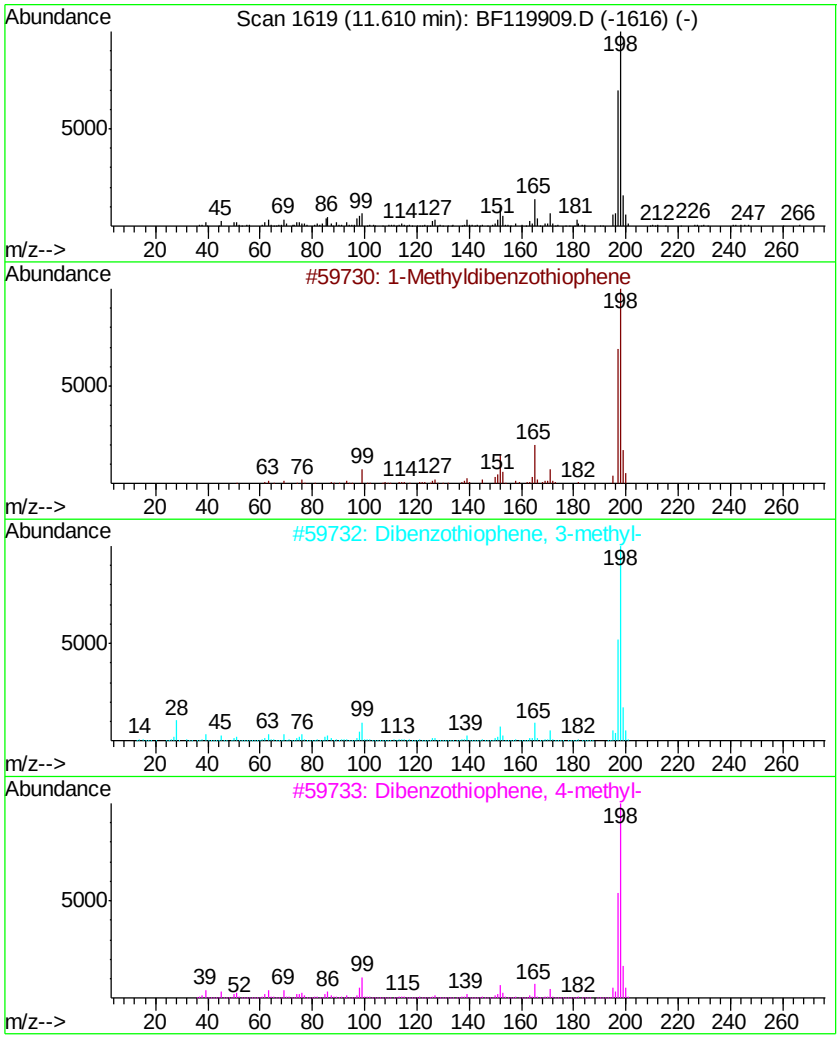
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

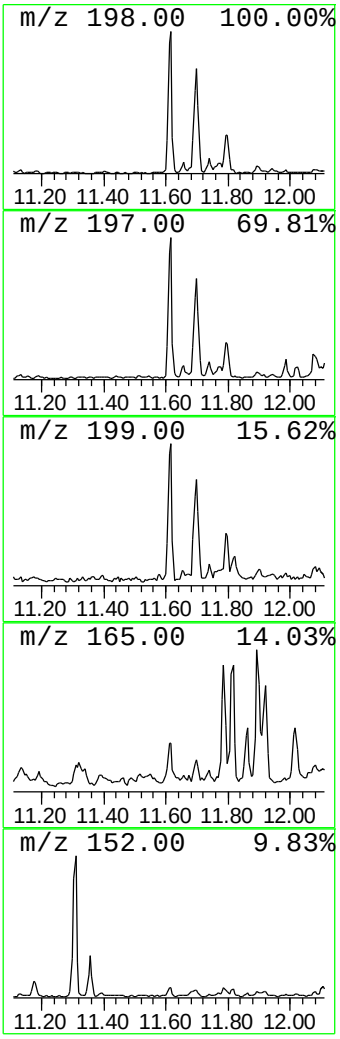
****

Peak Number 6 1-Methyldibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	4.20 ng	224620	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	95
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
4	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64





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Acq On : 10 Apr 2020 21:48
Operator : MA/SJ
Sample : L2199-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-37-36-COMP

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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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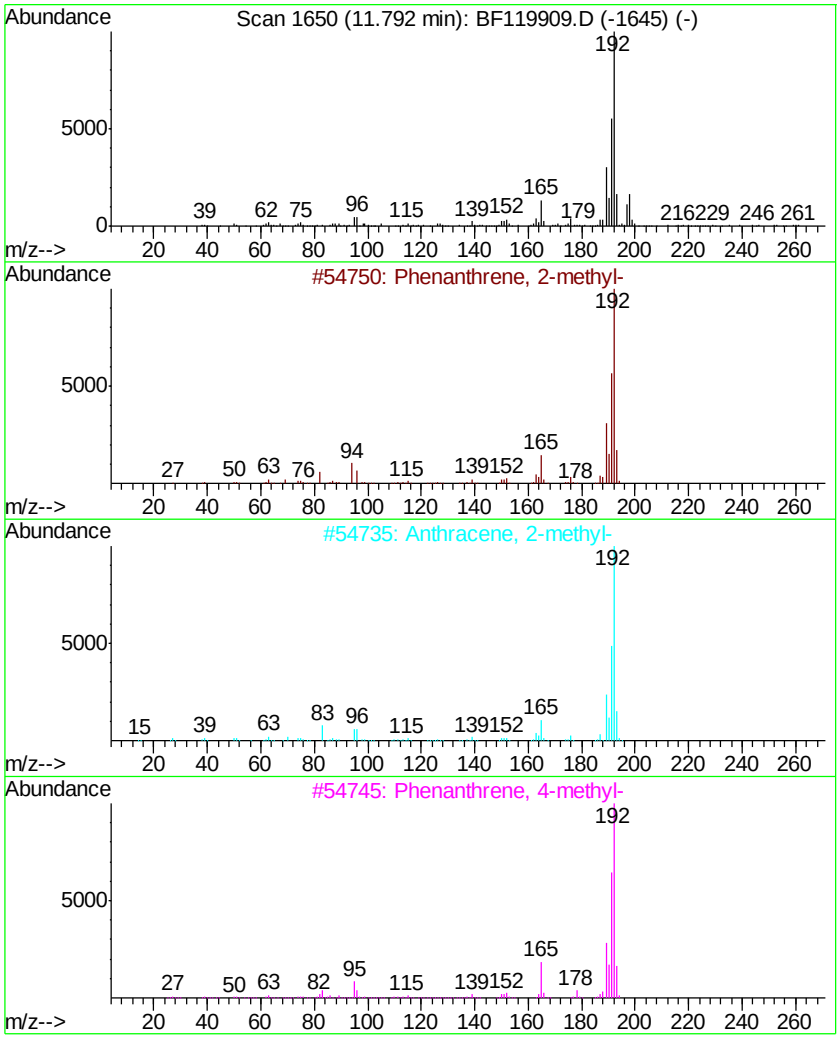
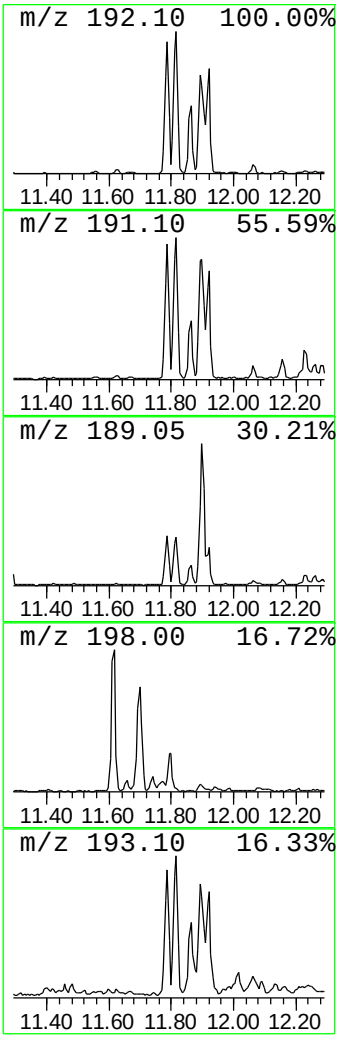
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	13.02 ng	696858	Phenanthrene-d10	11.28

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, 4-methyl-	192	C15H12	000832-64-4	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Sample : L2199-12
Misc :
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Instrument : BNA_F
ClientSampleId : TP-37-36-COMP

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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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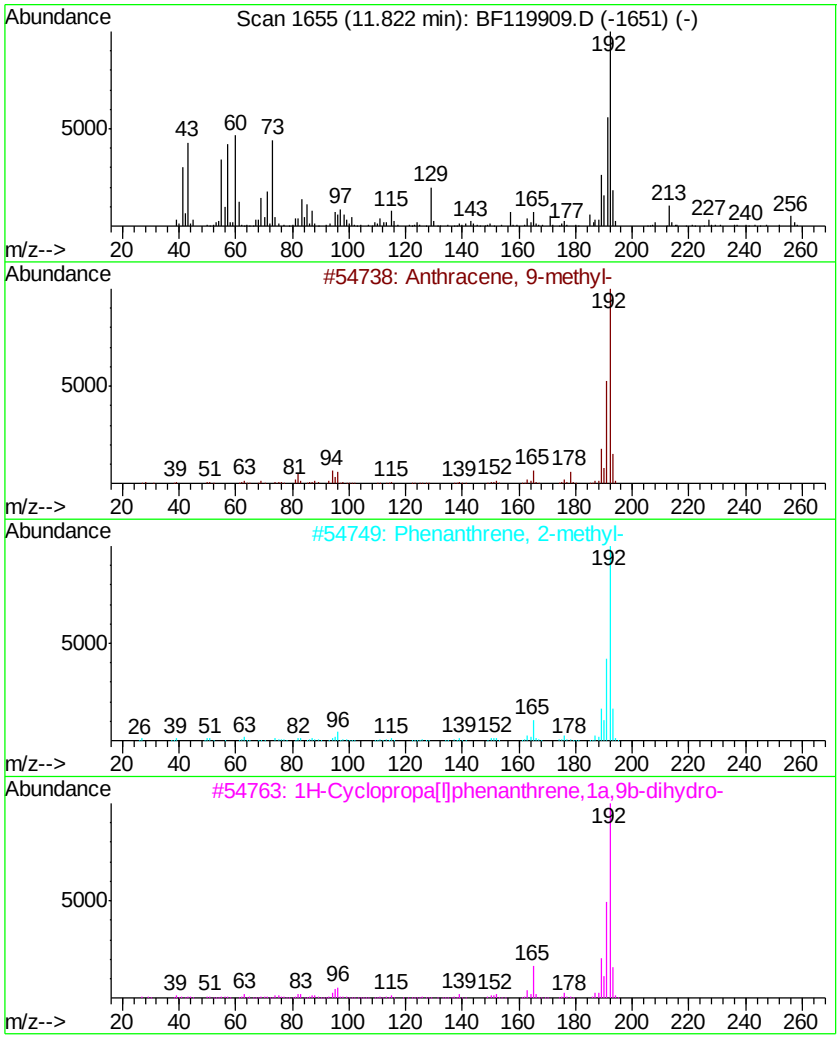
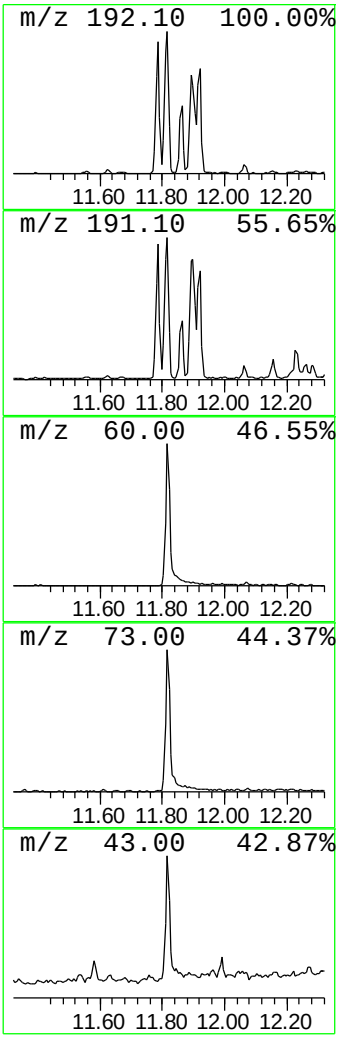
Peak Number 8 Anthracene, 9-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	21.30 ng	1140310	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92





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Sample : L2199-12
Misc :
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Instrument : BNA_F
ClientSampleId : TP-37-36-COMP

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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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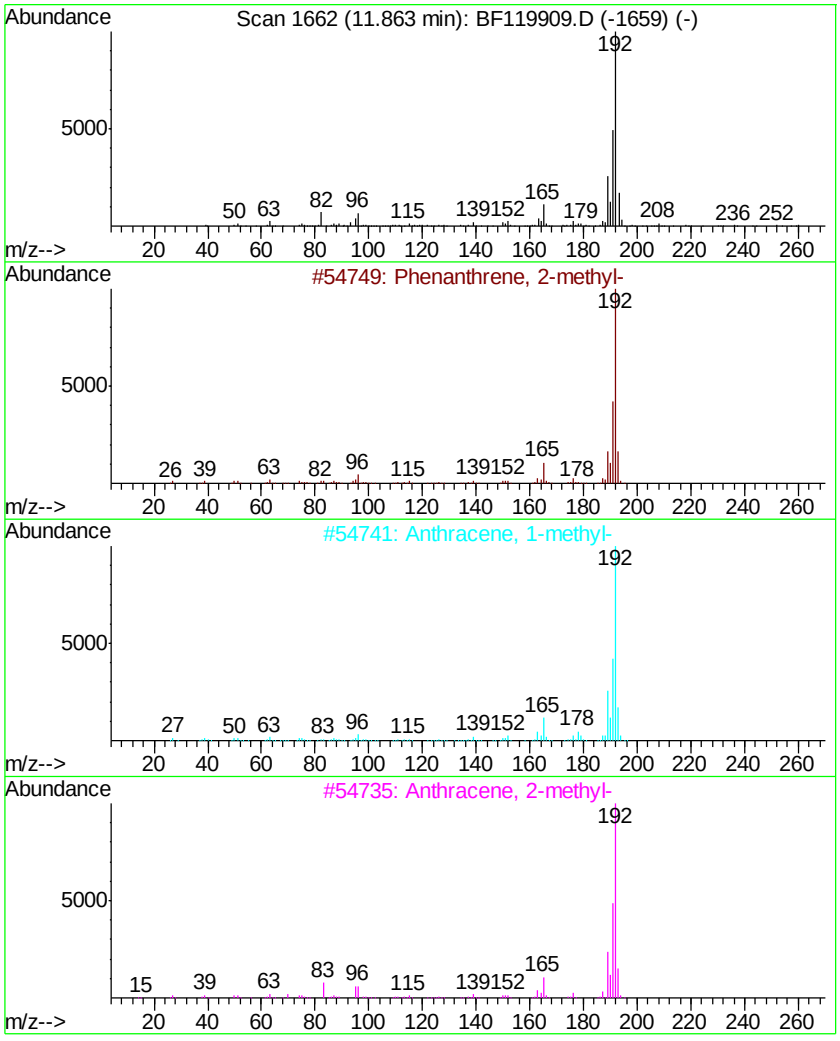
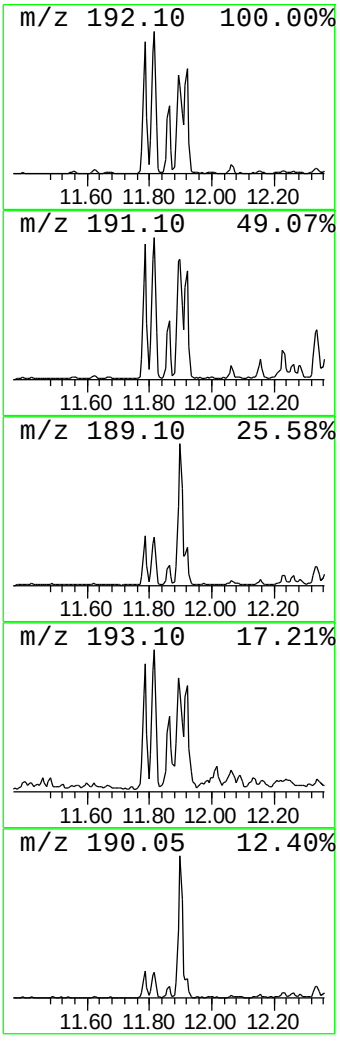
Peak Number 9 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	6.32 ng	338365	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





Library Search Compound Report

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Operator : MA/SJ
Sample : L2199-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-37-36-COMP

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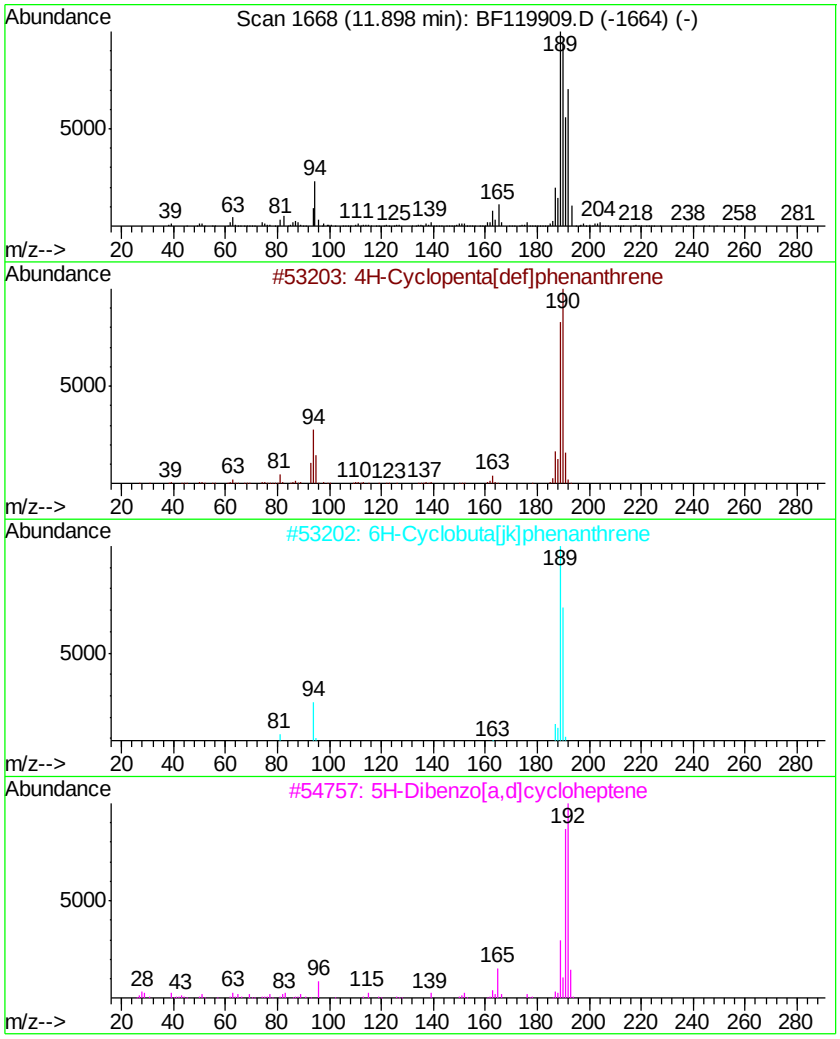
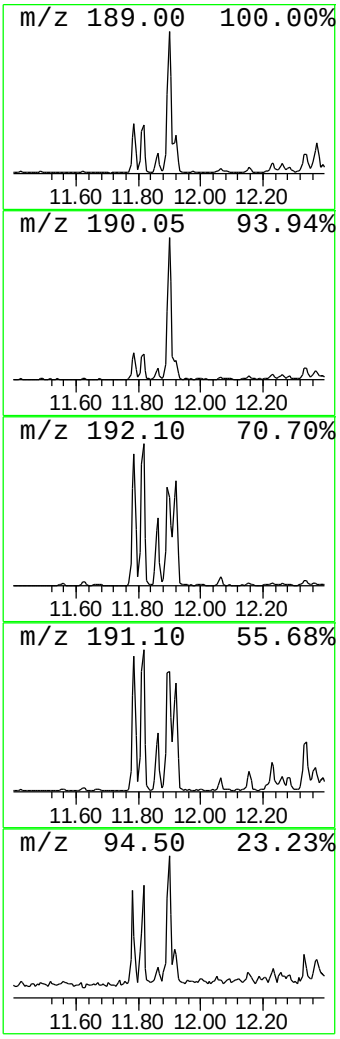
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	21.63 ng	1157950	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25





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Misc :
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ClientSampleId : TP-37-36-COMP

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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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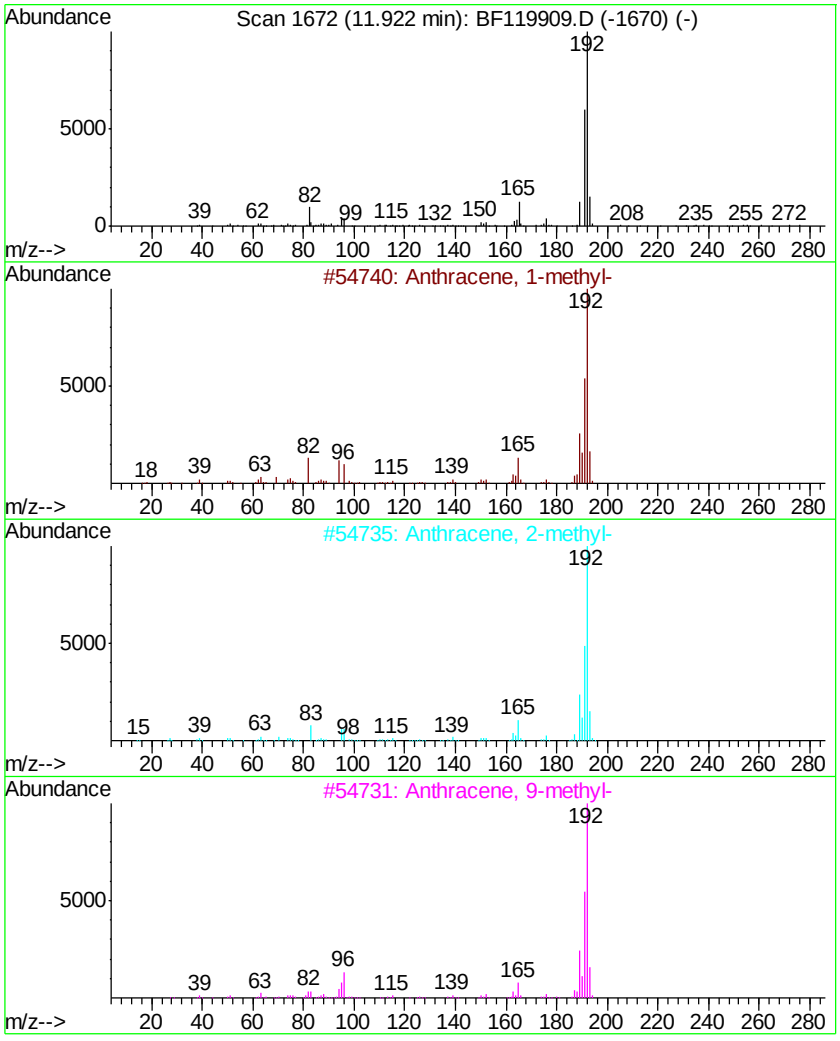
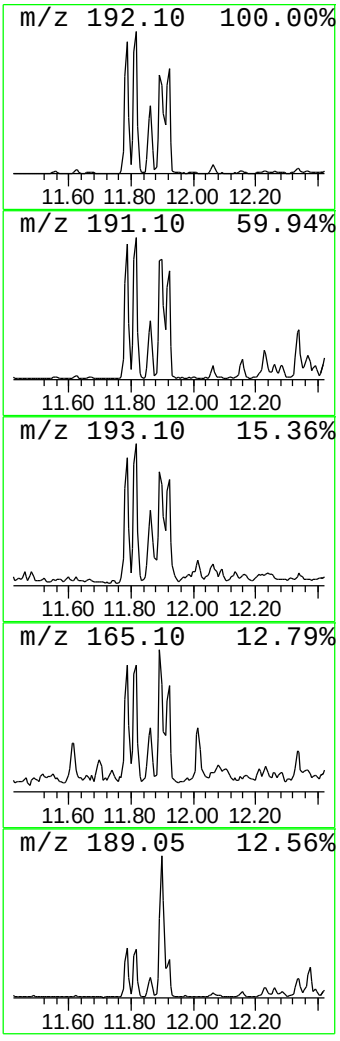
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	8.54 ng	457230	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83





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Sample : L2199-12
Misc :
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Instrument : BNA_F
ClientSampleId : TP-37-36-COMP

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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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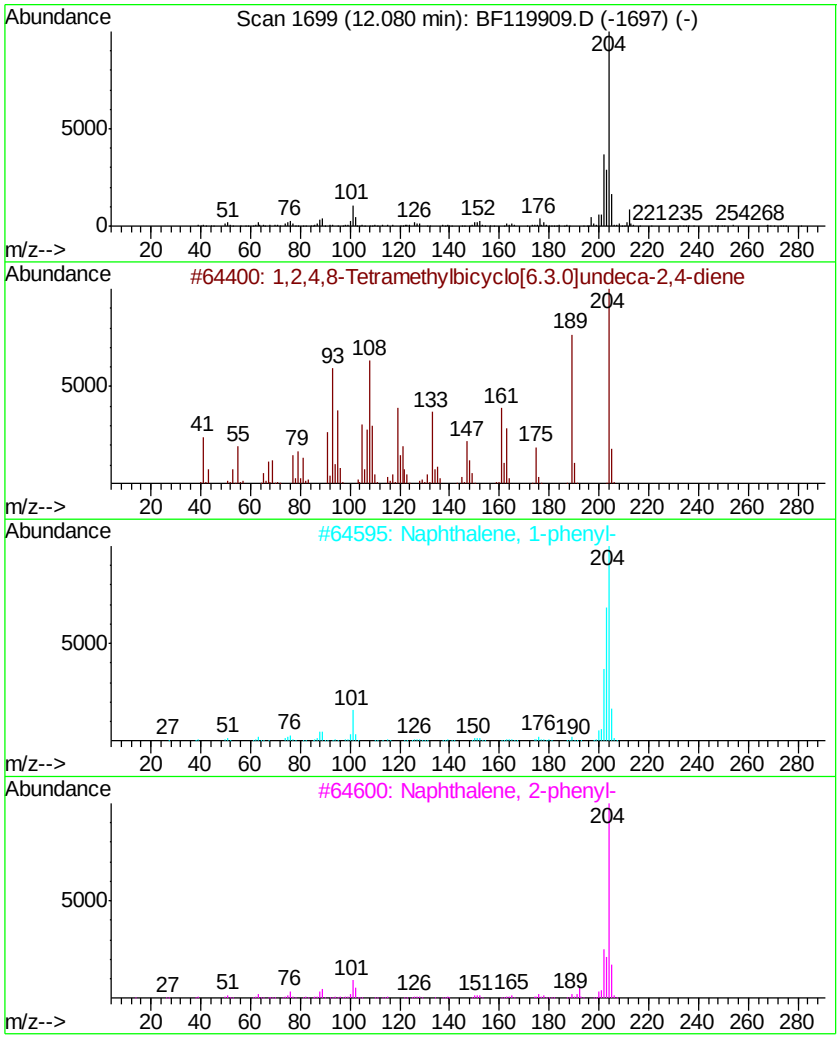
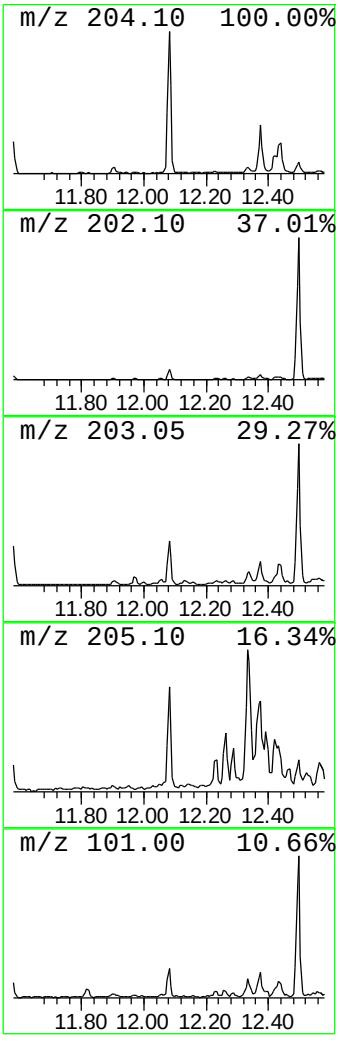
Peak Number 12 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	4.14 ng	221543	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53





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Sample : L2199-12
Misc :
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Instrument : BNA_F
ClientSampleId : TP-37-36-COMP

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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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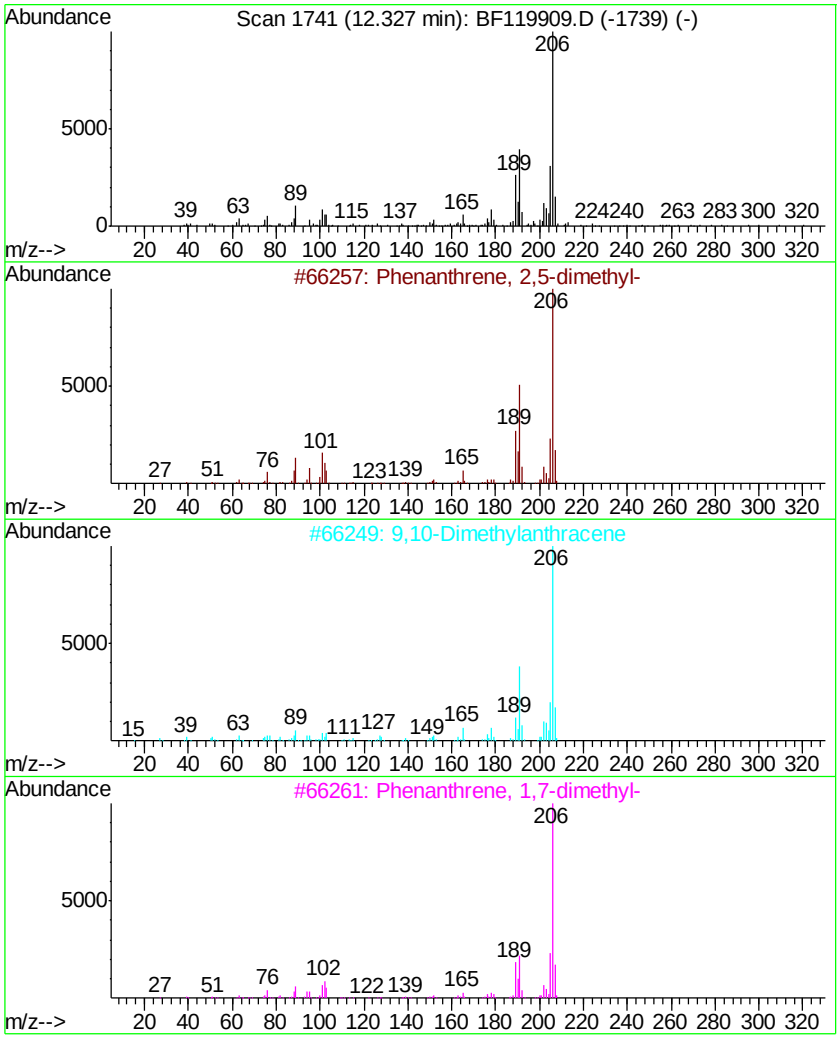
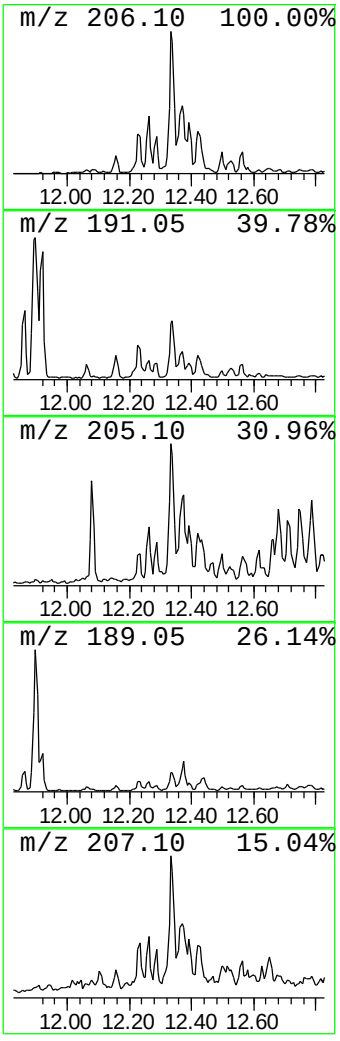
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	7.88 ng	422112	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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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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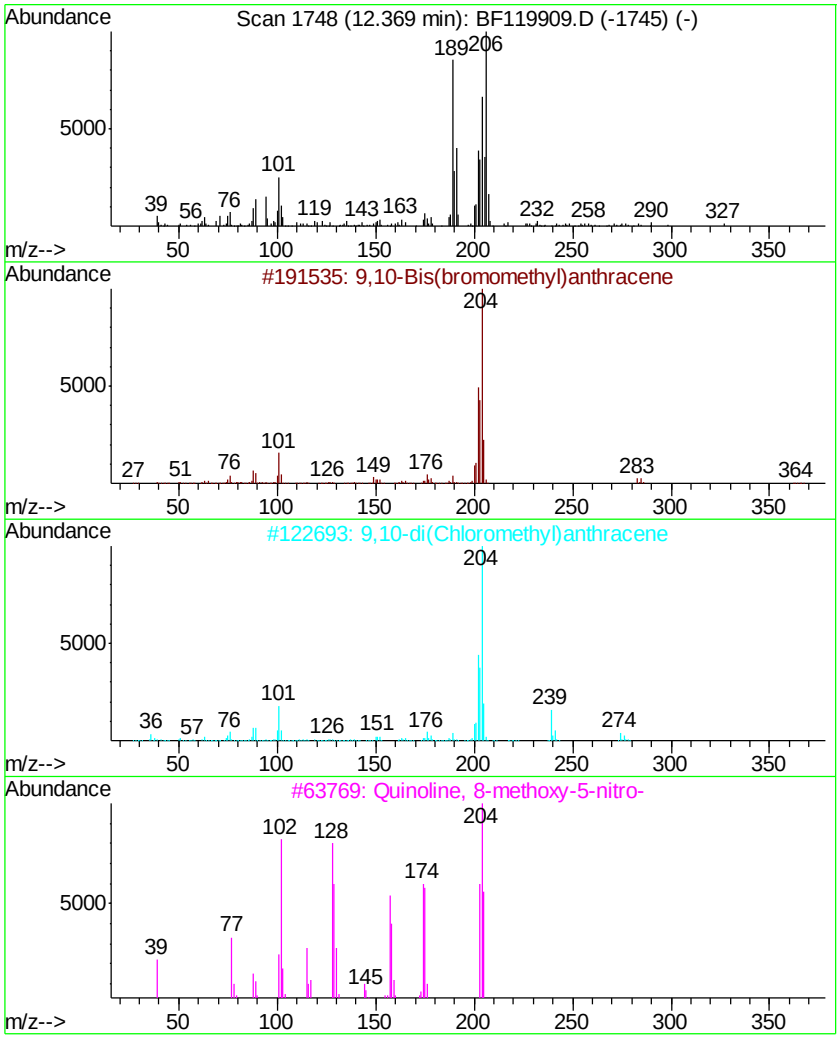
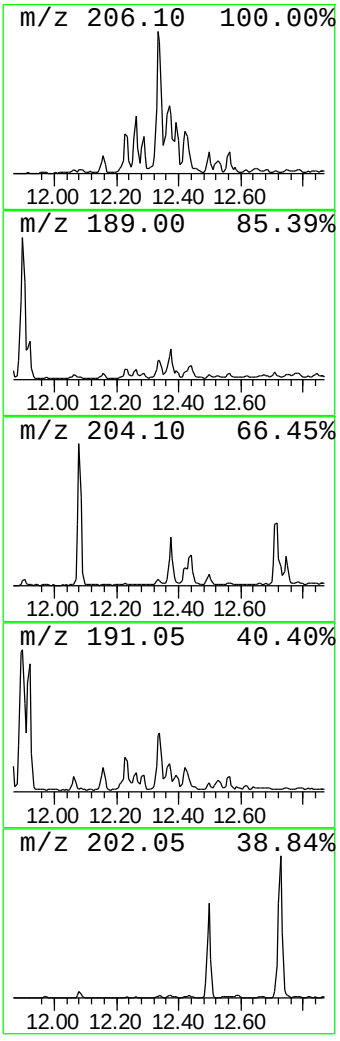
Peak Number 14 unknown12.37 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	8.87 ng	474983	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	47
3	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	46
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	43
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	43





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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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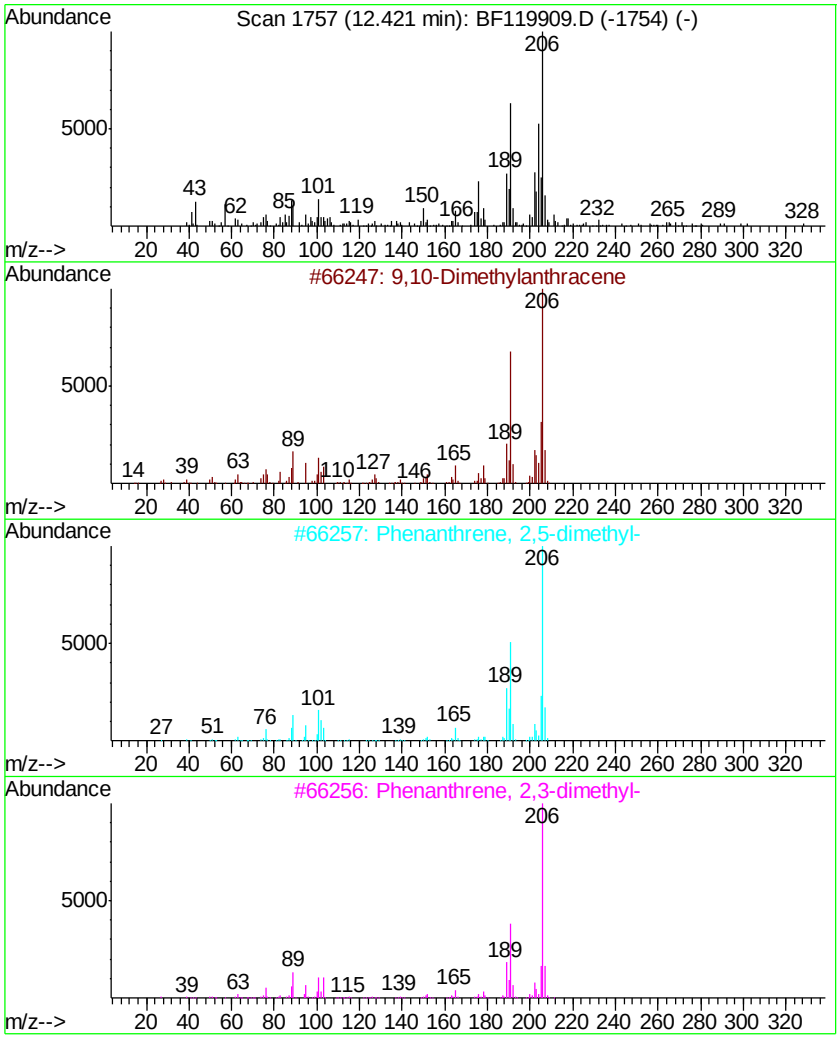
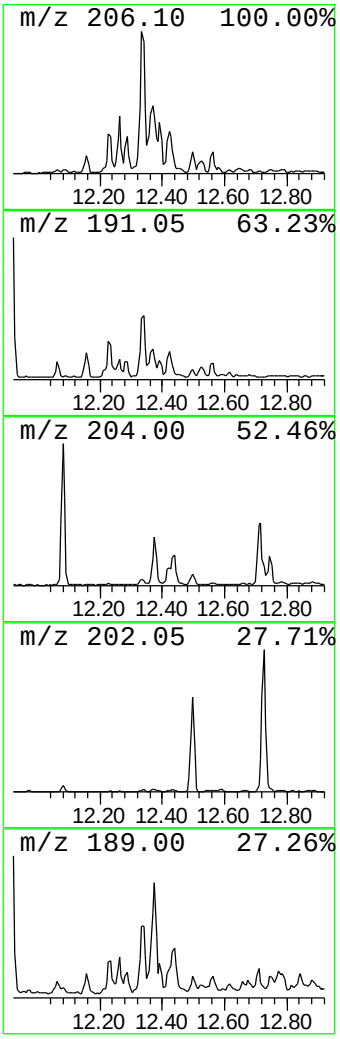
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	6.15 ng	329274	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	64
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	64
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	60





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Sample : L2199-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-37-36-COMP

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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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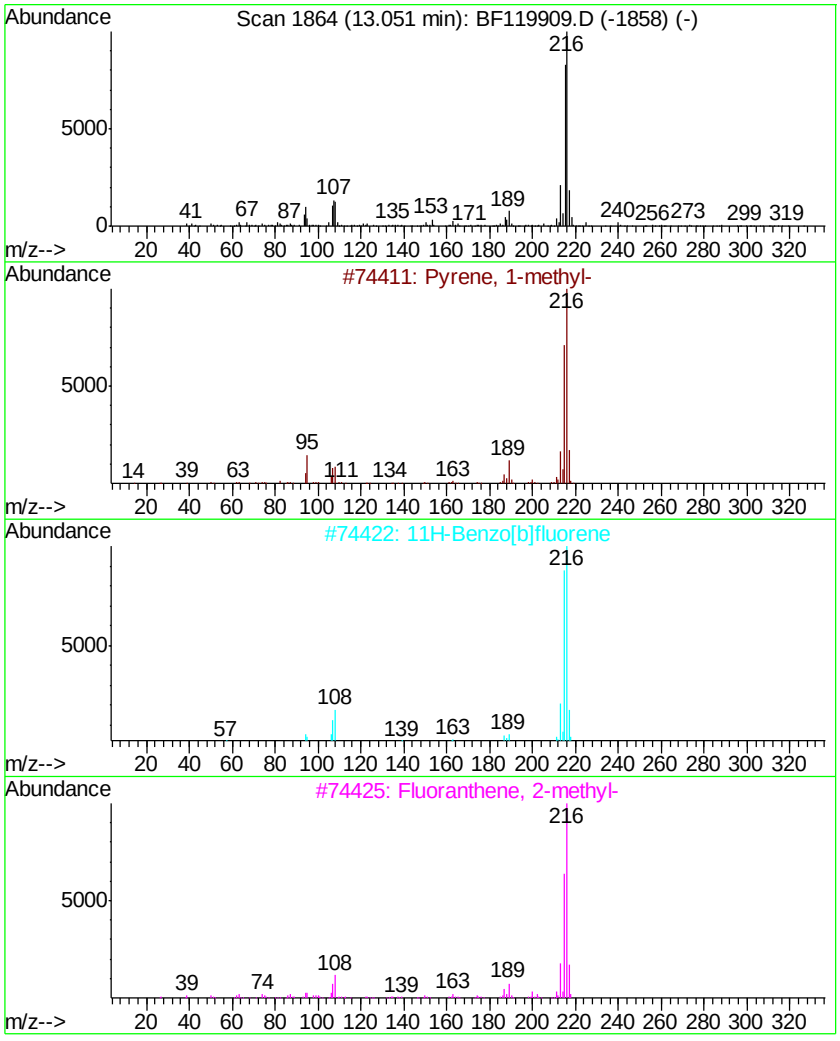
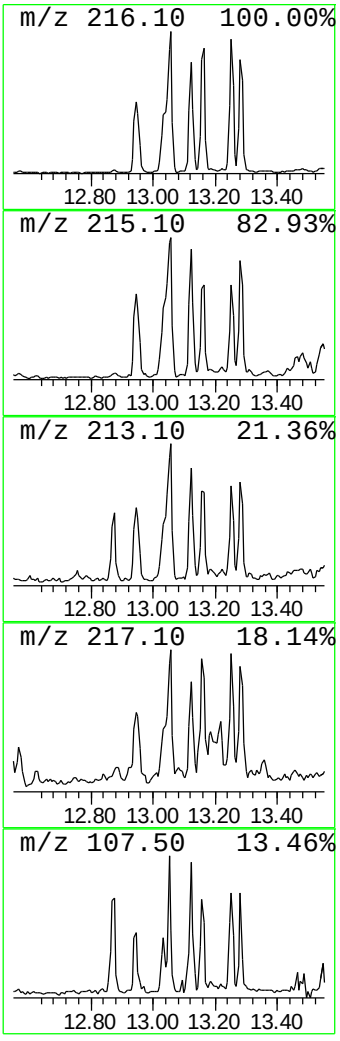
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	8.08 ng	706194	Chrysene-d12	13.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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ClientSampleId : TP-37-36-COMP

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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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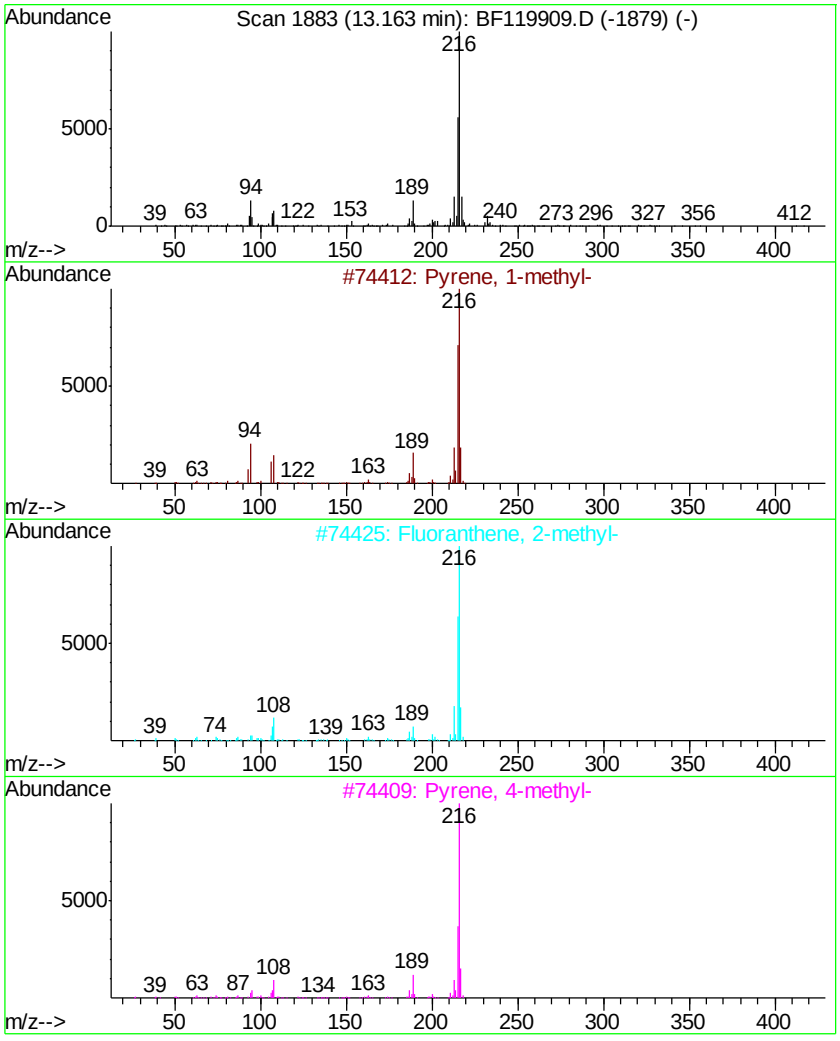
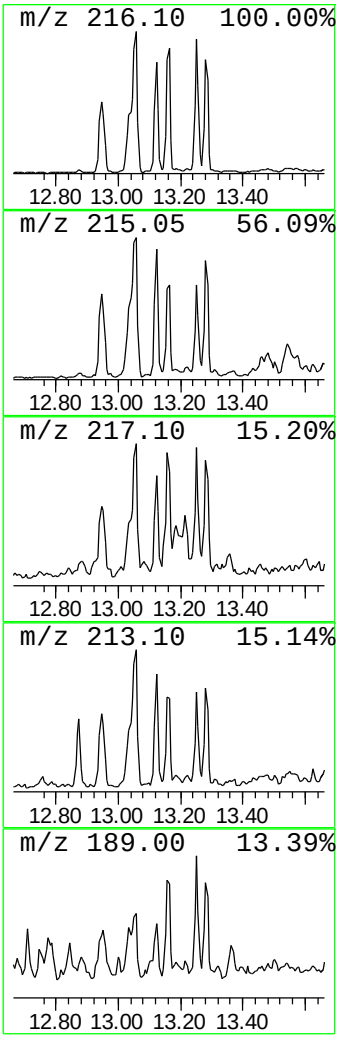
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	4.42 ng	385835	Chrysene-d12	13.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





Library Search Compound Report

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Sample : L2199-12
Misc :
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Instrument : BNA_F
ClientSampleId : TP-37-36-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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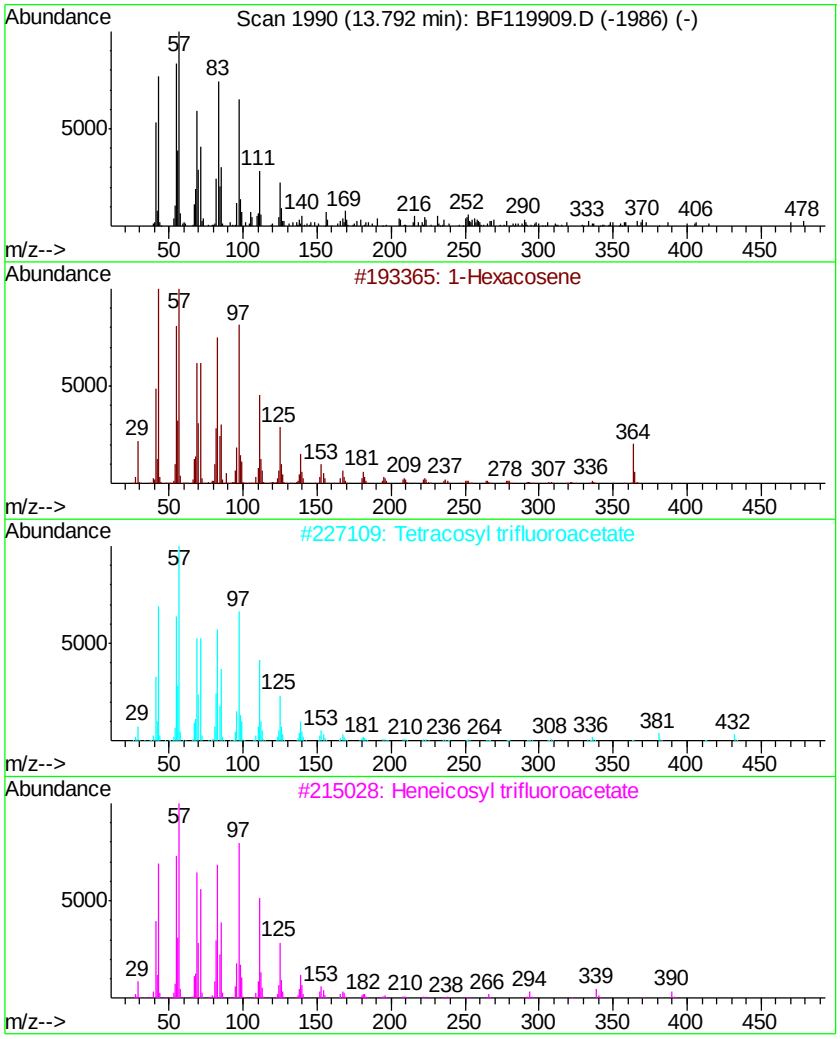
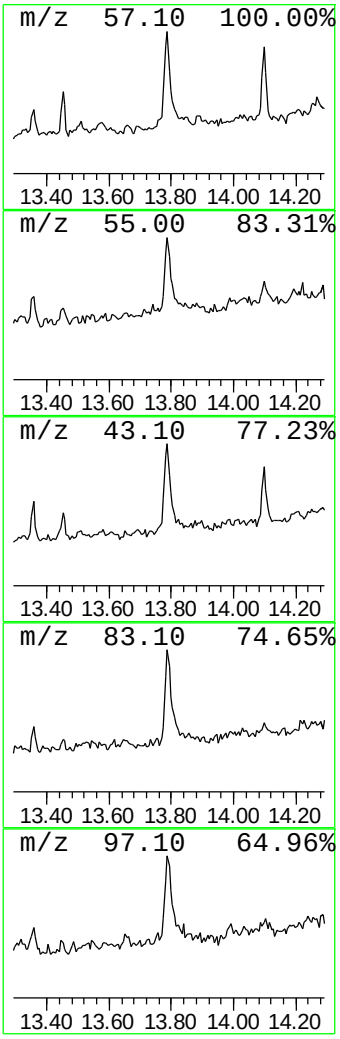
Peak Number 18 1-Hexacosene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	4.73 ng	413653	Chrysene-d12	13.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosene	364	C26H52	018835-33-1	95
2	Tetracosyl trifluoroacetate	450	C26H49F3O2	1000351-76-4	91
3	Heneicosyl trifluoroacetate	408	C23H43F3O2	1000351-76-5	91
4	Cycloeicosane	280	C20H40	000296-56-0	89
5	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041020\
Data File : BF119909.D
Acq On : 10 Apr 2020 21:48
Operator : MA/SJ
Sample : L2199-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-37-36-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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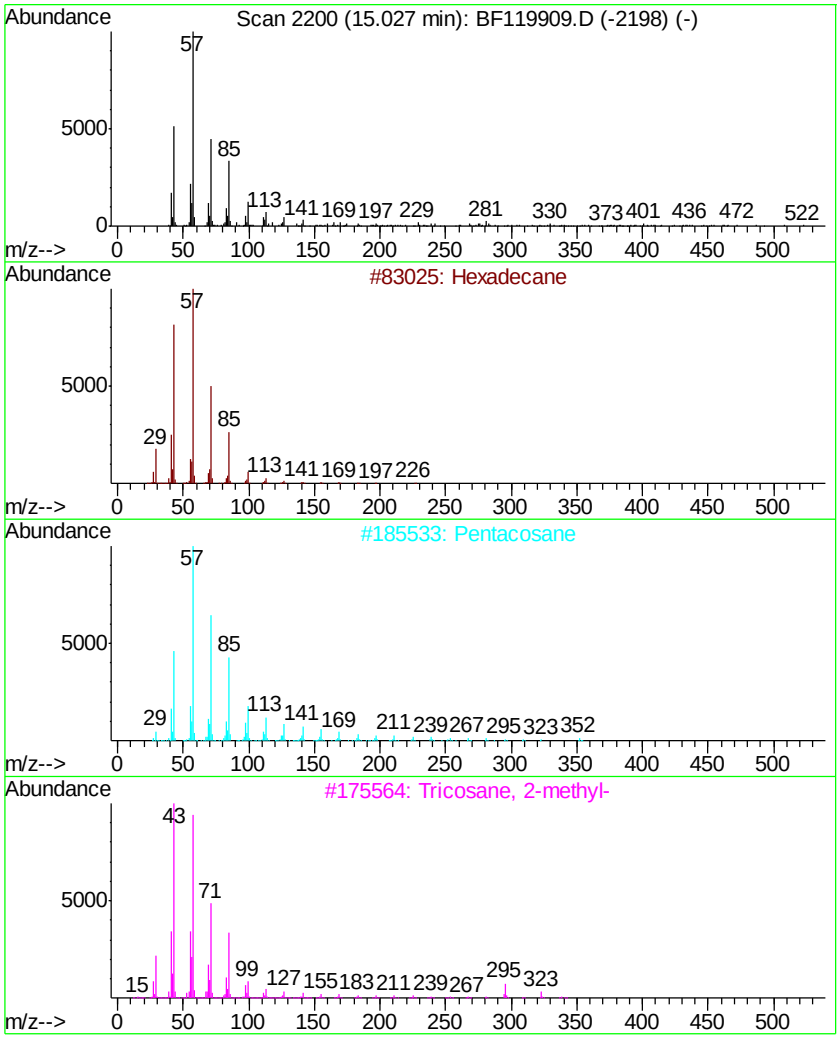
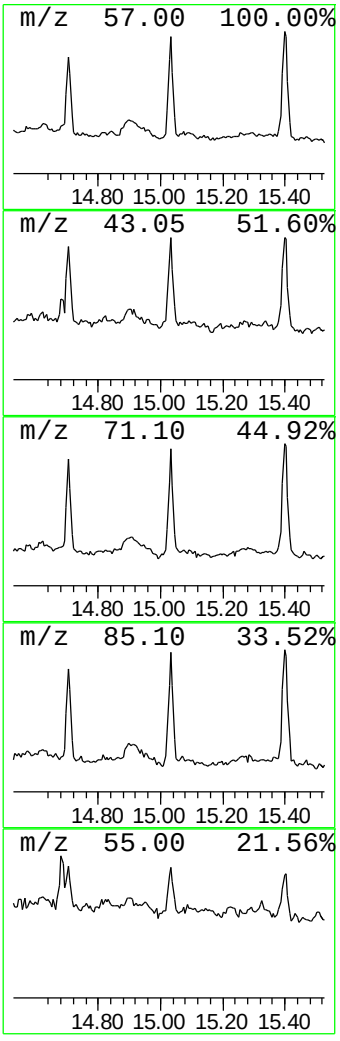
Peak Number 19 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	7.19 ng	271124	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Pentacosane	352	C25H52	000629-99-2	91
3	Tricosane, 2-methyl-	338	C24H50	001928-30-9	87
4	Nonadecane	268	C19H40	000629-92-5	83
5	Octacosane	394	C28H58	000630-02-4	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041020\
Data File : BF119909.D
Acq On : 10 Apr 2020 21:48
Operator : MA/SJ
Sample : L2199-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-37-36-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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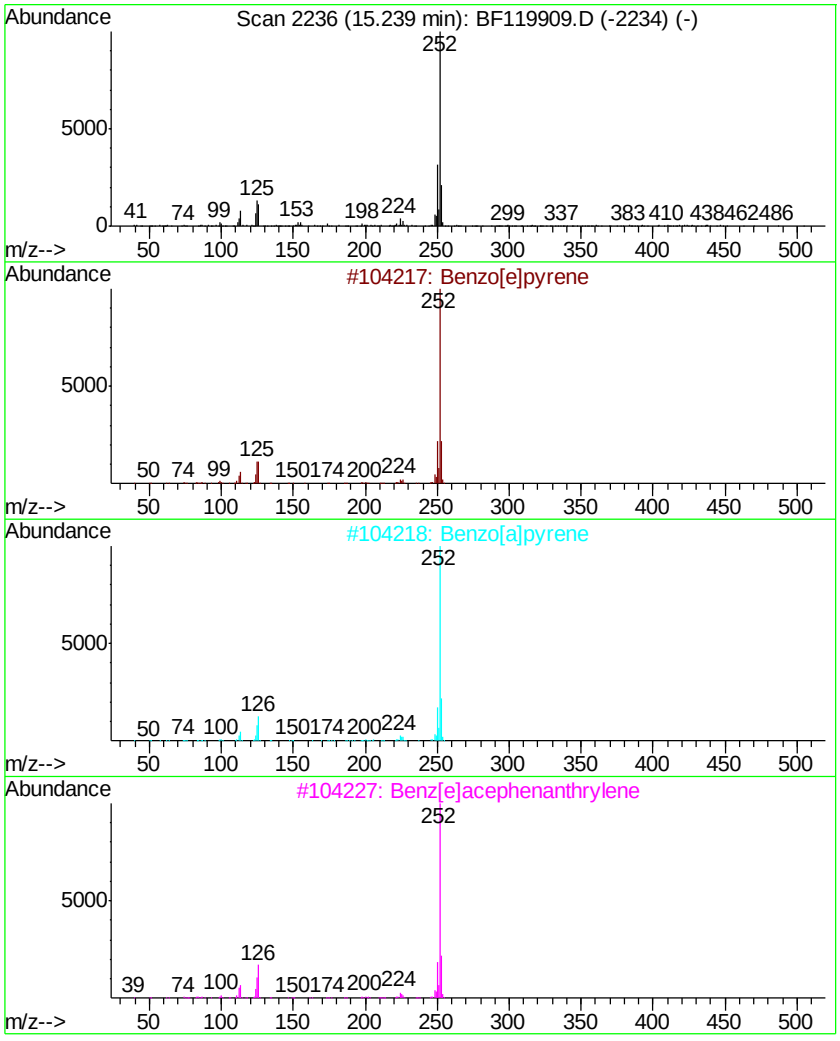
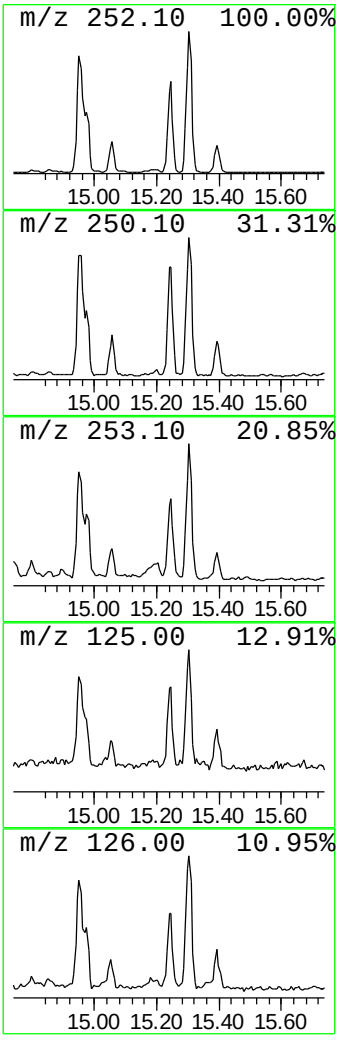
Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	11.94 ng	450671	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041020\
Data File : BF119909.D
Acq On : 10 Apr 2020 21:48
Operator : MA/SJ
Sample : L2199-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-37-36-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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...	4.95	10.2	ng	521181	1	6.75	1018230	20.0
Naphthalene, 2,7-...	9.38	5.2	ng	335410	3	9.79	1292960	20.0
Naphthalene, 2,3-...	9.45	5.8	ng	377513	3	9.79	1292960	20.0
Dibenzothiophene	11.18	6.9	ng	371592	4	11.28	1070840	20.0
1-Methyldibenzoth...	11.61	4.2	ng	224620	4	11.28	1070840	20.0
Phenanthrene, 2-m...	11.79	13.0	ng	696858	4	11.28	1070840	20.0
Anthracene, 9-met...	11.82	21.3	ng	1140310	4	11.28	1070840	20.0
Anthracene, 1-met...	11.86	6.3	ng	338365	4	11.28	1070840	20.0
4H-Cyclopenta[def...	11.90	21.6	ng	1157950	4	11.28	1070840	20.0
Anthracene, 2-met...	11.92	8.5	ng	457230	4	11.28	1070840	20.0
1,2,4,8-Tetrameth...	12.08	4.1	ng	221543	4	11.28	1070840	20.0
Phenanthrene, 2,5...	12.33	7.9	ng	422112	4	11.28	1070840	20.0
unknown12.37	12.37	8.9	ng	474983	4	11.28	1070840	20.0
9,10-Dimethylanth...	12.42	6.2	ng	329274	4	11.28	1070840	20.0
Pyrene, 1-methyl-	13.05	8.1	ng	706194	5	13.93	1747730	20.0
Fluoranthene, 2-m...	13.16	4.4	ng	385835	5	13.93	1747730	20.0
1-Hexacosene	13.79	4.7	ng	413653	5	13.93	1747730	20.0
Hexadecane	15.03	7.2	ng	271124	6	15.36	754600	20.0
Benzo[e]pyrene	15.24	11.9	ng	450671	6	15.36	754600	20.0