LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121109.D
Acq On : 29 Jul 2020 18:57
Operator : JU/CG
Sample : L3436-13 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 13

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-BF071620.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	5.410	562	565	574	rVB	480524	490328	22.32%	1.705%
2	6.434	736	739	754	rBV	498741	500986	22.80%	1.742%
3	6.804	798	802	805	rBV	950544	839054	38.19%	2.918%
4	7.363	893	897	901	rVB	327881	297119	13.52%	1.033%
5	8.086	1014	1020	1022	rBV	1296403	1092429	49.72%	3.799%
6	8.104	1022	1023	1026	rVB	117321	79151	3.60%	0.275%
7	8.675	1117	1120	1123	rBV2	38629	36292	1.65%	0.126%
8	8.798	1138	1141	1144	rVB	89480	69915	3.18%	0.243%
9	8.898	1154	1158	1161	rBV	83573	79553	3.62%	0.277%
10	9.104	1191	1193	1199	rBV3	38200	39398	1.79%	0.137%
11	9.157	1199	1202	1207	rVB	876612	665878	30.31%	2.316%
12	9.239	1213	1216	1218	rBV	69207	65531	2.98%	0.228%
13	9.428	1243	1248	1251	rBV2	64449	93928	4.28%	0.327%
14	9.498	1257	1260	1262	rBV	109661	98427	4.48%	0.342%
15	9.522	1262	1264	1266	rVV	79528	56827	2.59%	0.198%
16	9.551	1266	1269	1273	rVV2	168921	191104	8.70%	0.665%
17	9.616	1277	1280	1285	rVB	66877	77876	3.54%	0.271%
18	9.698	1291	1294	1298	rBV	199509	166176	7.56%	0.578%
19	9.751	1300	1303	1304	rVV2	41092	35019	1.59%	0.122%
20	9.769	1304	1306	1311	rVB2	70184	60300	2.74%	0.210%
21	9.839	1311	1318	1321	rBV	1419823	1234101	56.17%	4.292%
22	9.869	1321	1323	1327	rVB	204248	151861	6.91%	0.528%
23	9.945	1332	1336	1340	rVB2	47060	60511	2.75%	0.210%
24	9.992	1340	1344	1346	rBV3	30516	44882	2.04%	0.156%
25	10.039	1348	1352	1356	rVV	146404	143761	6.54%	0.500%
26	10.080	1356	1359	1368	rVB2	73579	81528	3.71%	0.284%
27	10.151	1368	1371	1374	rBV2	80440	89253	4.06%	0.310%
28	10.180	1374	1376	1379	rVV	55288	43909	2.00%	0.153%
29	10.245	1383	1387	1388	rBV2	60581	61899	2.82%	0.215%
30	10.269	1388	1391	1393	rVV2	76317	69012	3.14%	0.240%
31	10.333	1398	1402	1404	rVV5	34779	39019	1.78%	0.136%
32	10.380	1407	1410	1417	rVV	209336	227887	10.37%	0.792%
33	10.451	1417	1422	1423	rVV2	52049	62130	2.83%	0.216%
34	10.492	1427	1429	1434	rVV3	81638	86417	3.93%	0.301%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121109.D
Acq On : 29 Jul 2020 18:57
Operator : JU/CG
Sample : L3436-13 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 13

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-BF071620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.539	1434	1437	1441	rVB2	68281	68329	3.11%	0.238%
36	10.622	1446	1451	1455	rVV	461895	432528	19.69%	1.504%
37	10.657	1455	1457	1463	rVB4	23206	40741	1.85%	0.142%
38	10.751	1468	1473	1480	rVB3	140820	205909	9.37%	0.716%
39	10.827	1480	1486	1487	rBV4	35877	55768	2.54%	0.194%
40	10.933	1499	1504	1506	rBV2	82718	100560	4.58%	0.350%
41	10.957	1506	1508	1511	rVV2	66383	65981	3.00%	0.229%
42	11.016	1515	1518	1521	rVB2	49092	48039	2.19%	0.167%
43	11.063	1524	1526	1528	rVV2	40311	50633	2.30%	0.176%
44	11.080	1528	1529	1531	rVV2	58150	40441	1.84%	0.141%
45	11.127	1535	1537	1540	rVV2	58972	51526	2.35%	0.179%
46	11.174	1542	1545	1546	rVV2	43390	50355	2.29%	0.175%
47	11.192	1546	1548	1550	rVV2	67256	66094	3.01%	0.230%
48	11.222	1550	1553	1557	rVB	149258	161440	7.35%	0.561%
49	11.322	1566	1570	1572	rBV	1256116	1086175	49.44%	3.777%
50	11.345	1572	1574	1578	rVV	1338003	1056109	48.07%	3.673%
51	11.398	1578	1583	1586	rVB	436917	390976	17.80%	1.360%
52	11.433	1586	1589	1592	rBV	66371	77747	3.54%	0.270%
53	11.551	1607	1609	1612	rBV	91245	90614	4.12%	0.315%
54	11.616	1617	1620	1623	rVV	102670	77269	3.52%	0.269%
55	11.651	1624	1626	1632	rVB2	81384	78353	3.57%	0.272%
56	11.733	1638	1640	1645	rVB	54991	56653	2.58%	0.197%
57	11.821	1652	1655	1658	rVV	258431	249034	11.33%	0.866%
58	11.851	1658	1660	1664	rVV	389205	301610	13.73%	1.049%
59	11.898	1665	1668	1671	rVV	153558	142580	6.49%	0.496%
60	11.933	1671	1674	1677	rVV	455810	503208	22.90%	1.750%
61	11.957	1677	1678	1683	rVB	212866	131800	6.00%	0.458%
62	12.021	1687	1689	1692	rVV2	63300	61282	2.79%	0.213%
63	12.057	1692	1695	1697	rVB2	45480	38092	1.73%	0.132%
64	12.116	1702	1705	1708	rVV	169312	172688	7.86%	0.601%
65	12.145	1708	1710	1713	rVB2	76628	75957	3.46%	0.264%
66	12.251	1725	1728	1729	rBV	49676	48828	2.22%	0.170%
67	12.269	1729	1731	1733	rVV	83513	69920	3.18%	0.243%
68	12.298	1733	1736	1738	rVV	106528	99470	4.53%	0.346%
69	12.321	1738	1740	1743	rVB	76472	57672	2.62%	0.201%
70	12.374	1745	1749	1751	rBV	220197	229947	10.47%	0.800%
71	12.410	1751	1755	1760	rVV5	174034	336163	15.30%	1.169%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121109.D
Acq On : 29 Jul 2020 18:57
Operator : JU/CG
Sample : L3436-13 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 13

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-BF071620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.457	1760	1763	1768	rVV2	124861	142875	6.50%	0.497%
73	12.533	1773	1776	1780	rVV	2017458	1832992	83.43%	6.374%
74	12.580	1781	1784	1785	rVV	55463	51865	2.36%	0.180%
75	12.627	1789	1792	1795	rVV	87242	80594	3.67%	0.280%
76	12.686	1800	1802	1806	rVV3	95942	113302	5.16%	0.394%
77	12.763	1809	1815	1821	rVV	1940111	2197089	100.00%	7.641%
78	12.821	1821	1825	1828	rVV2	79488	127428	5.80%	0.443%
79	12.880	1832	1835	1836	rVV2	121395	115116	5.24%	0.400%
80	12.904	1836	1839	1846	rVB	710273	714888	32.54%	2.486%
81	12.980	1848	1852	1856	rVV2	142071	233964	10.65%	0.814%
82	13.039	1859	1862	1864	rVV3	47386	60830	2.77%	0.212%
83	13.068	1864	1867	1868	rVV3	135260	152925	6.96%	0.532%
84	13.086	1868	1870	1874	rVB	326274	328526	14.95%	1.142%
85	13.157	1880	1882	1885	rVB	273019	198977	9.06%	0.692%
86	13.192	1885	1888	1891	rBV2	224293	235257	10.71%	0.818%
87	13.286	1901	1904	1907	rBV	141754	111882	5.09%	0.389%
88	13.315	1907	1909	1913	rBV	154443	143109	6.51%	0.498%
89	13.710	1973	1976	1979	rBV2	132716	125162	5.70%	0.435%
90	13.739	1979	1981	1982	rVV	125395	85495	3.89%	0.297%
91	13.757	1982	1984	1990	rVV2	95256	149607	6.81%	0.520%
92	13.804	1990	1992	1997	rVB2	155732	168888	7.69%	0.587%
93	13.957	2013	2018	2021	rBV2	1500439	2163642	98.48%	7.524%
94	13.986	2021	2023	2029	rVB	1095298	904129	41.15%	3.144%
95	14.063	2034	2036	2039	rBV	144136	119011	5.42%	0.414%
96	14.345	2082	2084	2087	rVB	204163	162024	7.37%	0.563%
97	14.992	2190	2194	2197	rBV	813227	1229003	55.94%	4.274%
98	15.286	2241	2244	2250	rVB	510174	647162	29.46%	2.251%
99	15.351	2251	2255	2260	rVB	691430	860137	39.15%	2.991%
100	15.409	2261	2265	2268	rBV	813804	997944	45.42%	3.470%

Sum of corrected areas: 28755775

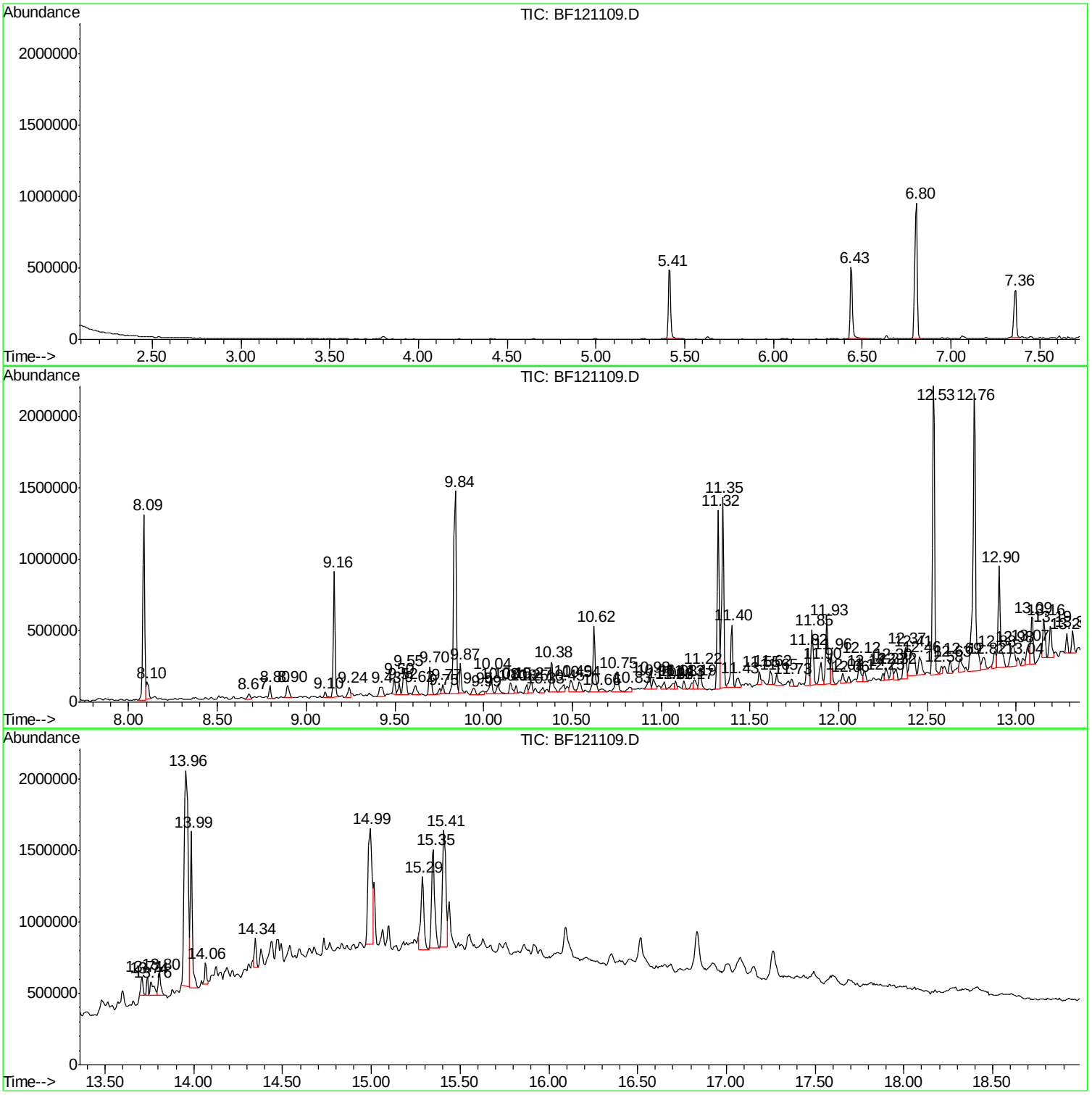
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121109.D
Acq On : 29 Jul 2020 18:57
Operator : JU/CG
Sample : L3436-13 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121109.D
Acq On : 29 Jul 2020 18:57
Operator : JU/CG
Sample : L3436-13 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

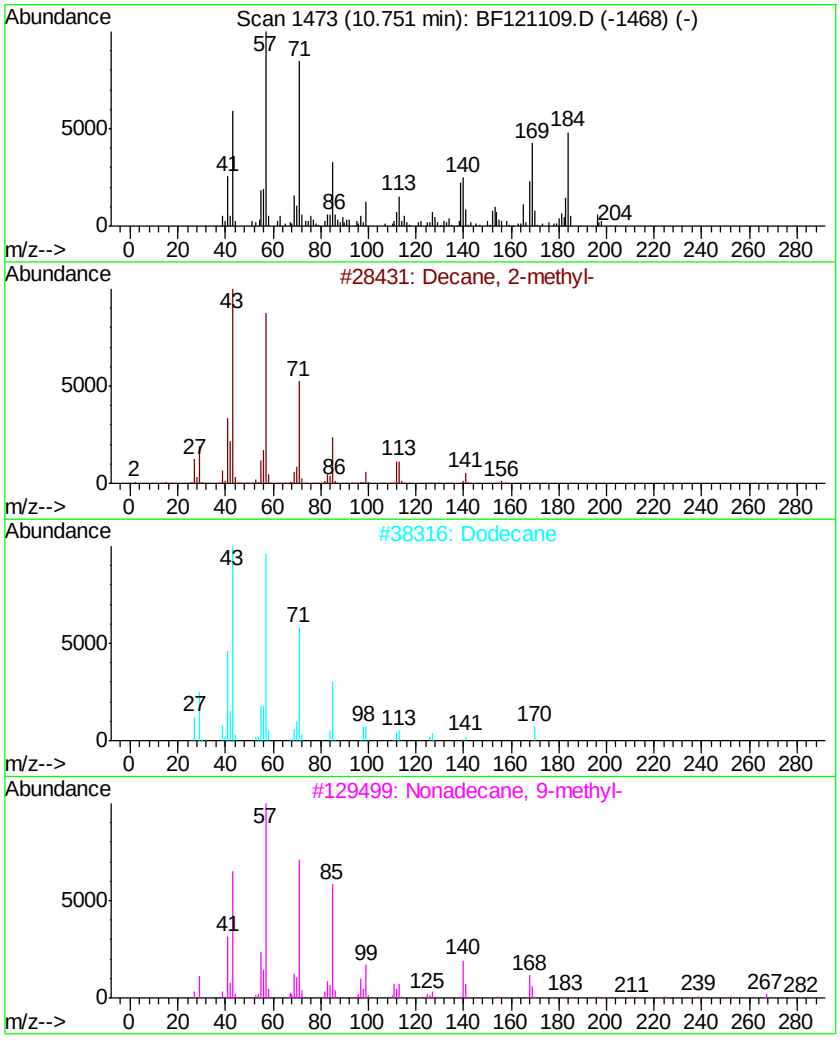
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

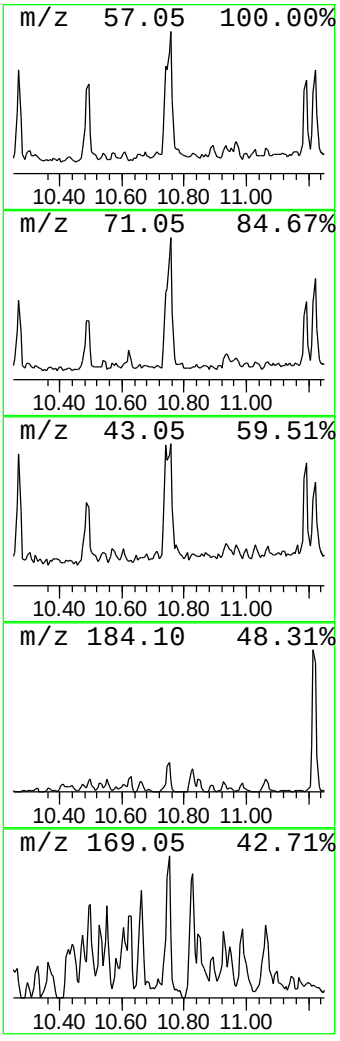
****

Peak Number 2 unknown10.75 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	3.79 ng	205909	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	42
2	Dodecane	170	C12H26	000112-40-3	42
3	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	35
4	Heptacosane	380	C27H56	000593-49-7	30
5	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121109.D
Acq On : 29 Jul 2020 18:57
Operator : JU/CG
Sample : L3436-13 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

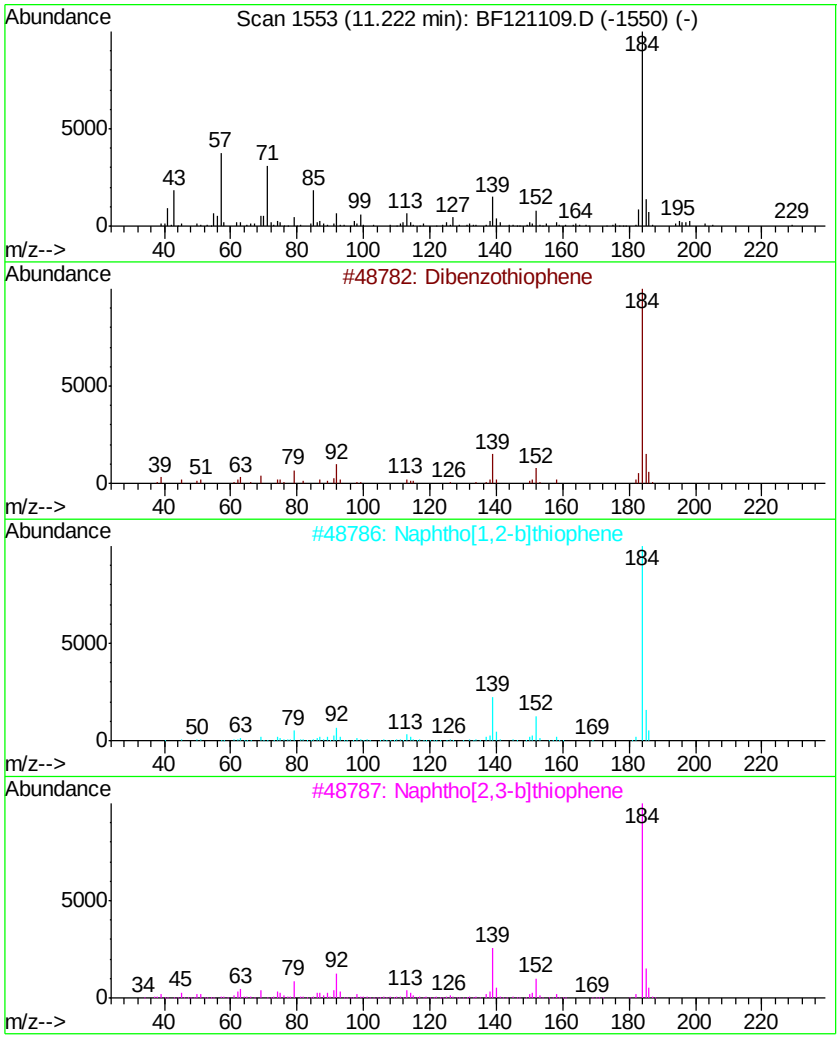
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

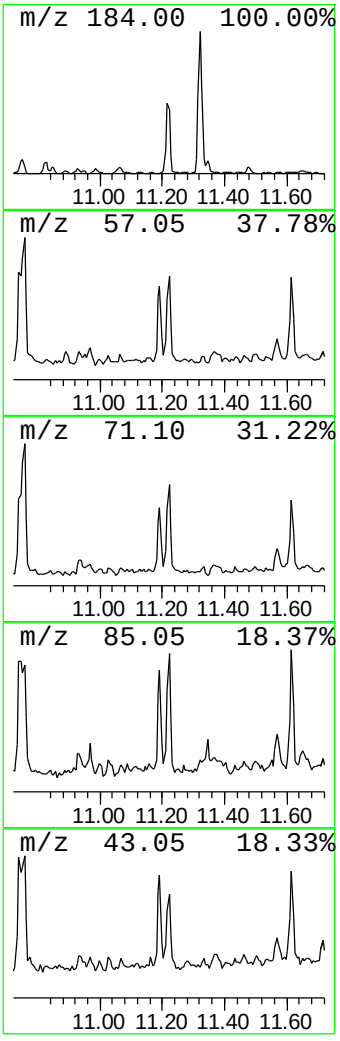
****

Peak Number 3 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	2.97 ng	161440	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	76
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	70
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	70
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	68
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121109.D
Acq On : 29 Jul 2020 18:57
Operator : JU/CG
Sample : L3436-13 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

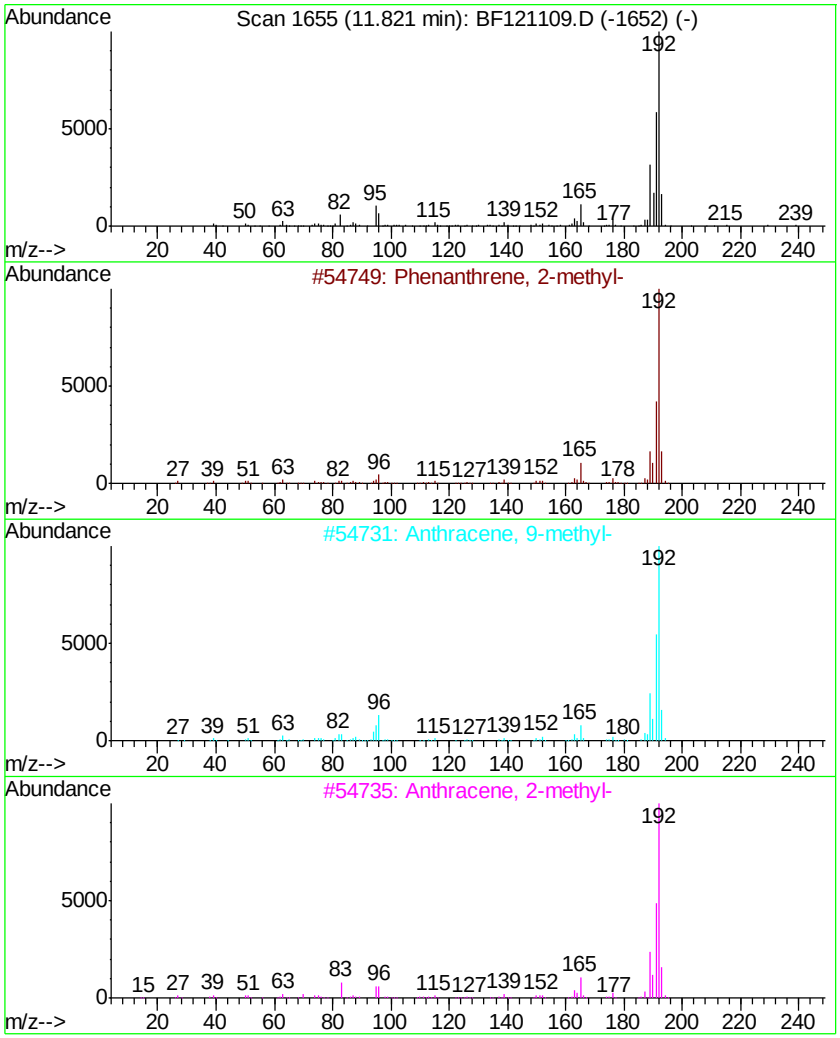
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

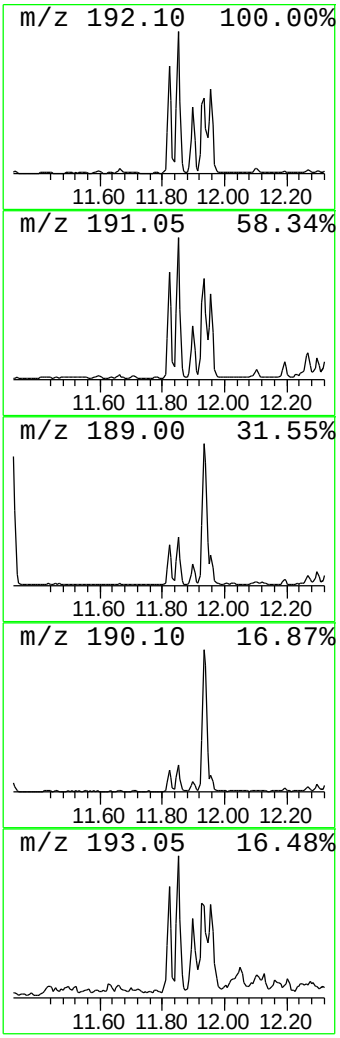
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	4.59 ng	249034	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121109.D
Acq On : 29 Jul 2020 18:57
Operator : JU/CG
Sample : L3436-13 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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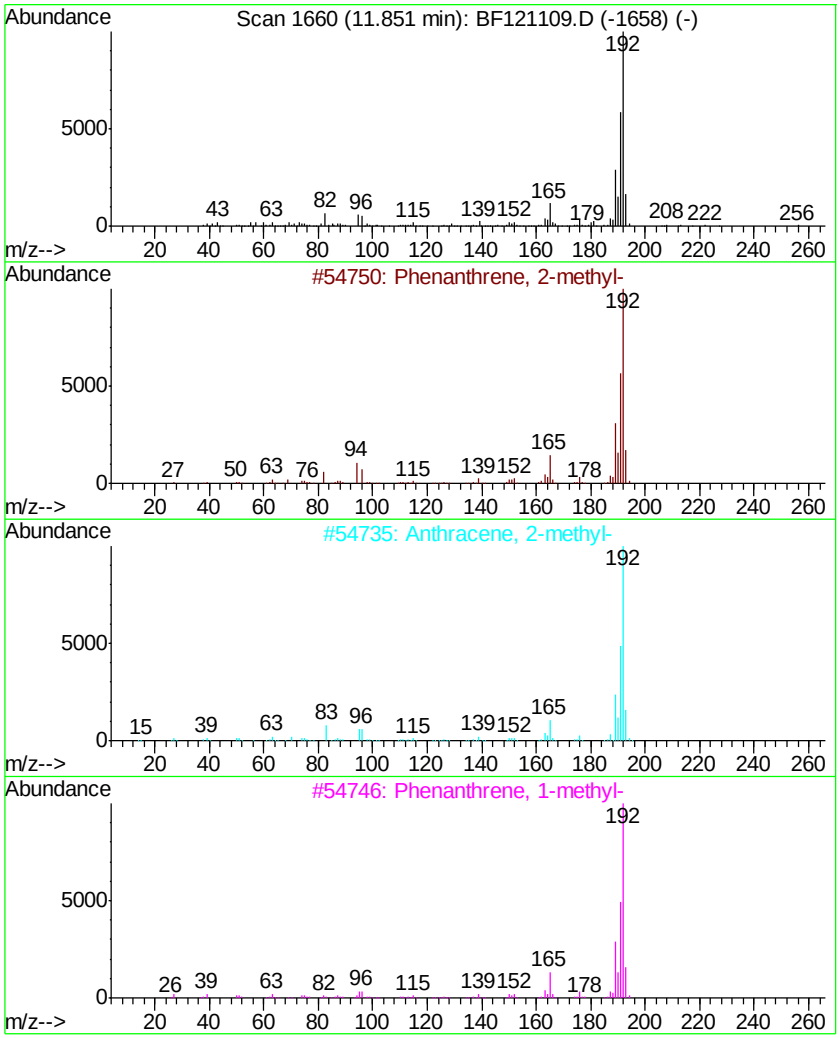
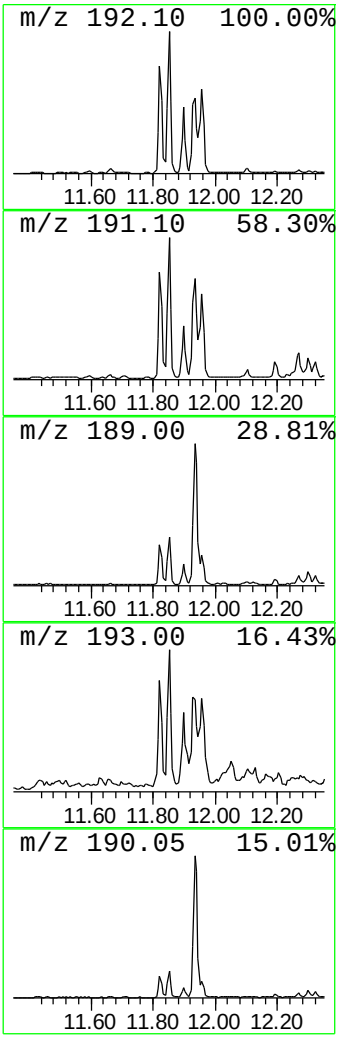
Peak Number 5 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	5.55 ng	301610	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121109.D
Acq On : 29 Jul 2020 18:57
Operator : JU/CG
Sample : L3436-13 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

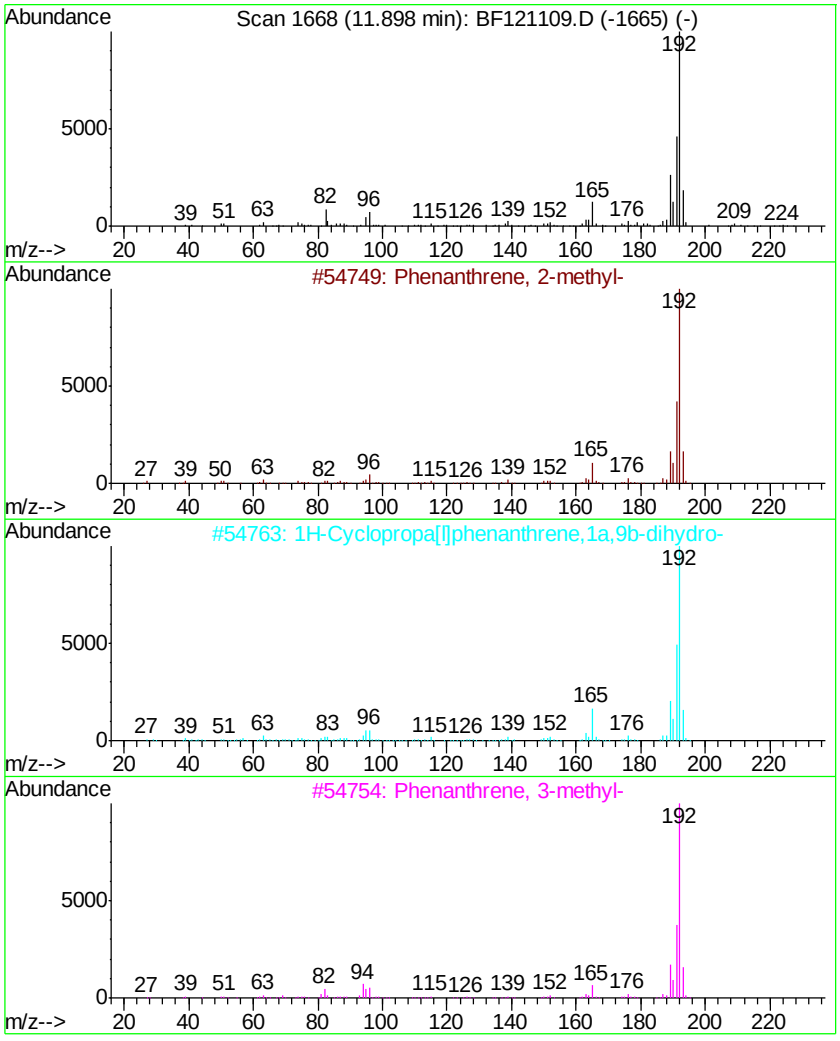
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

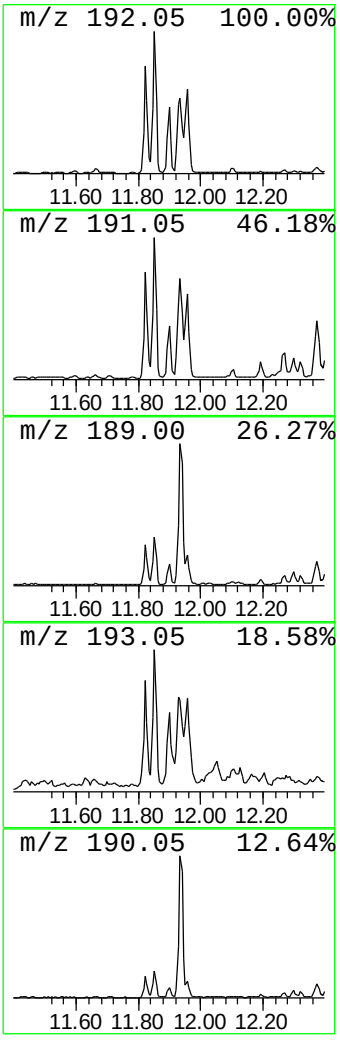
****

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.63 ng	142580	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Acq On : 29 Jul 2020 18:57
Operator : JU/CG
Sample : L3436-13 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 13

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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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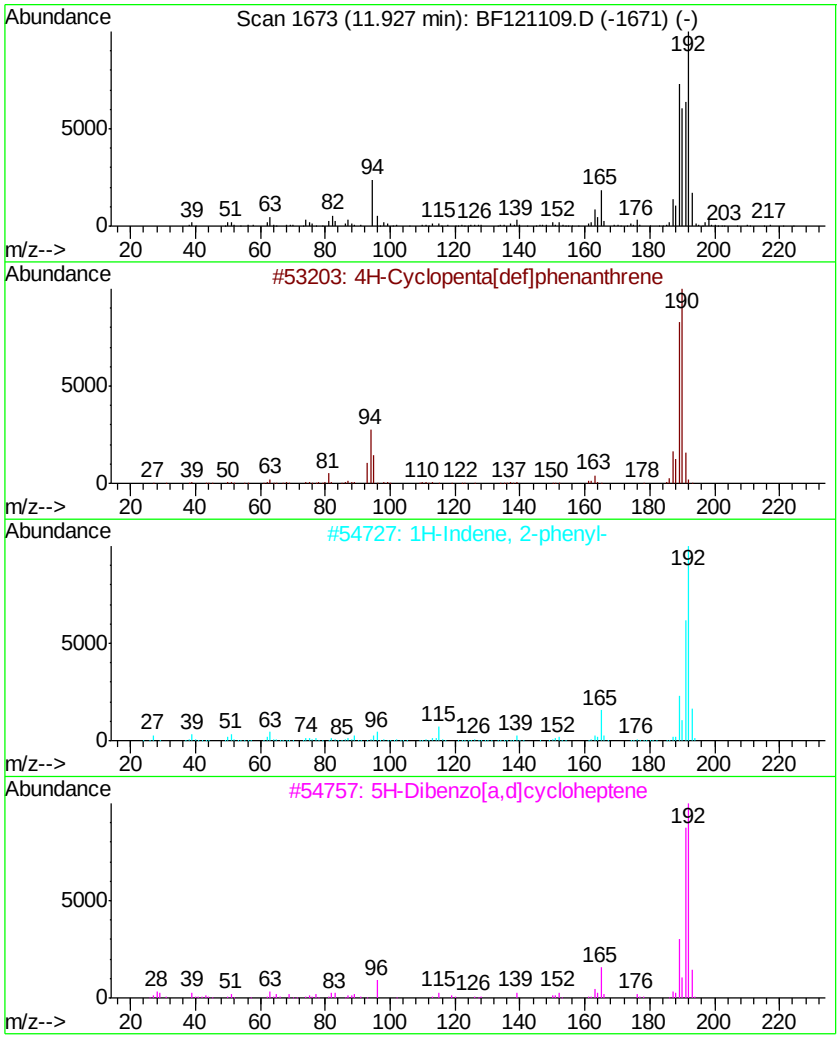
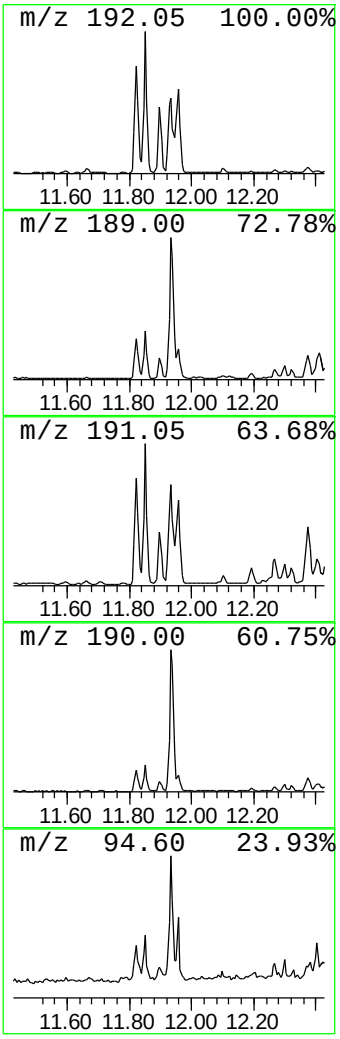
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	9.27 ng	503208	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	25
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25





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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 13

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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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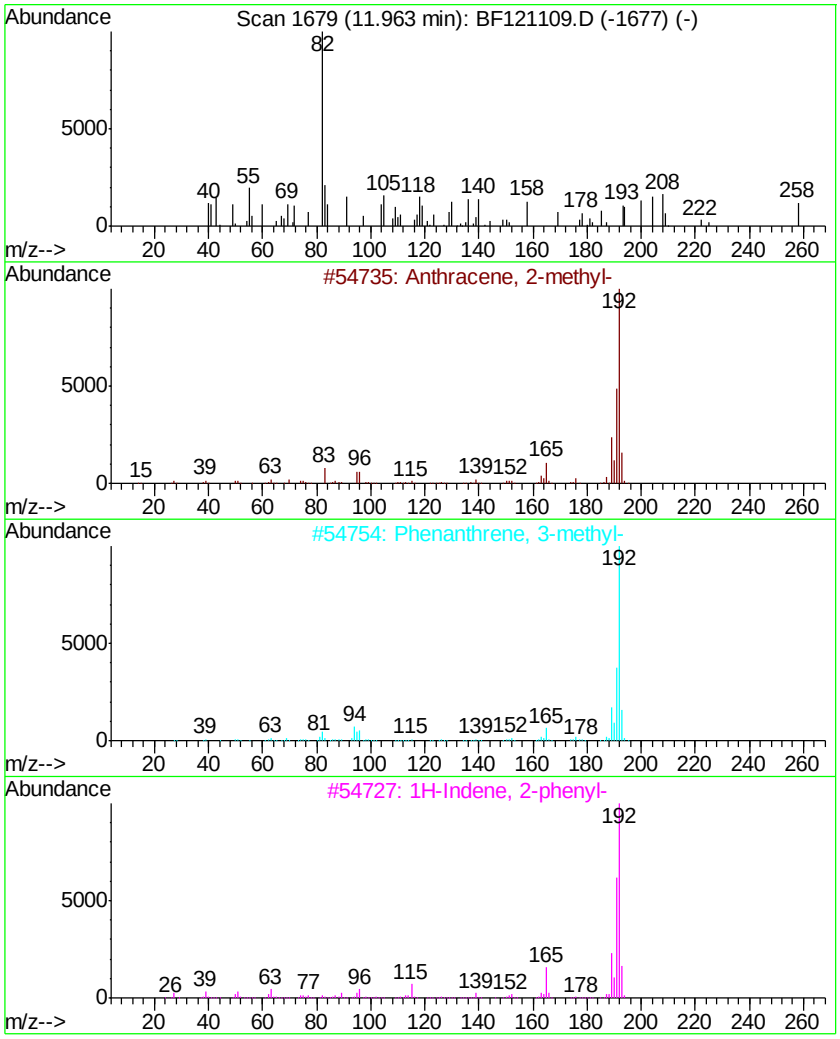
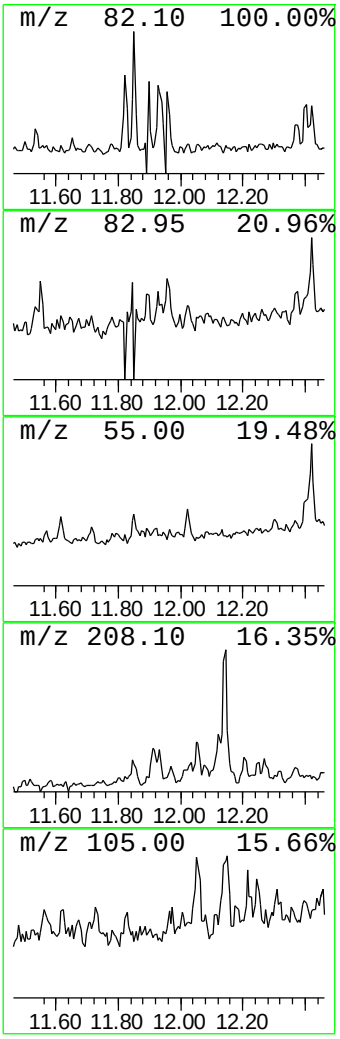
Peak Number 8 Phenanthrene, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.43 ng	131800	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	80
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	76





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

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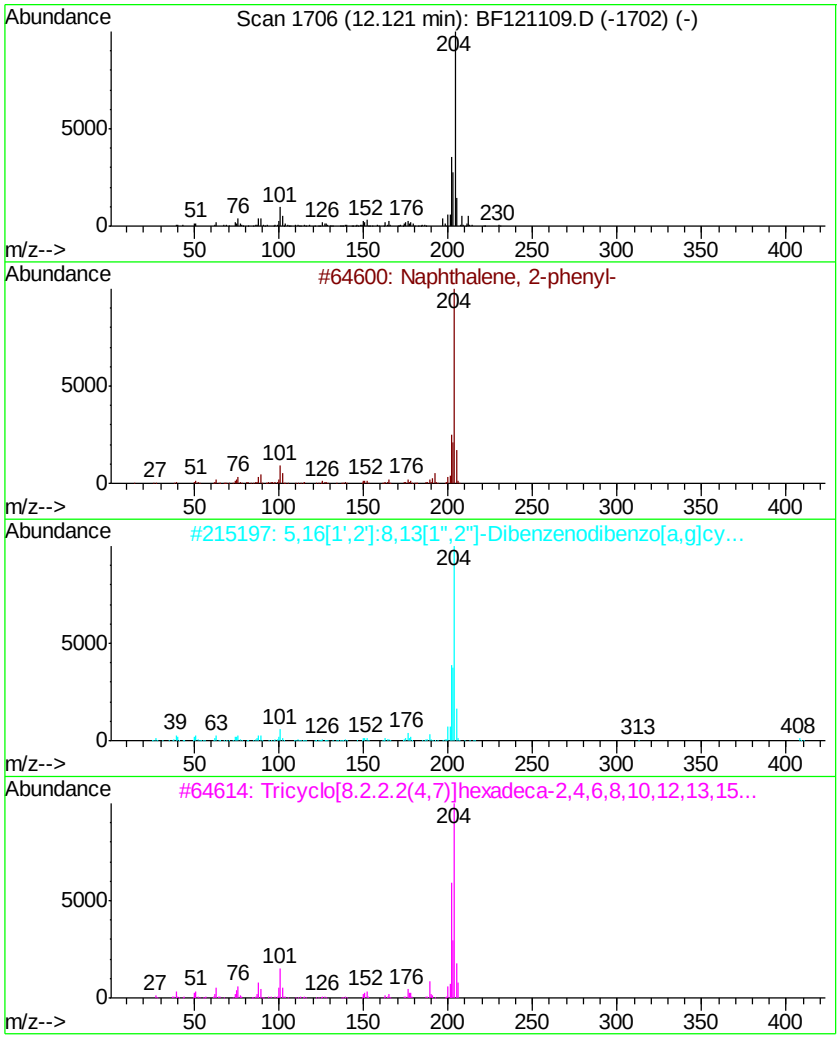
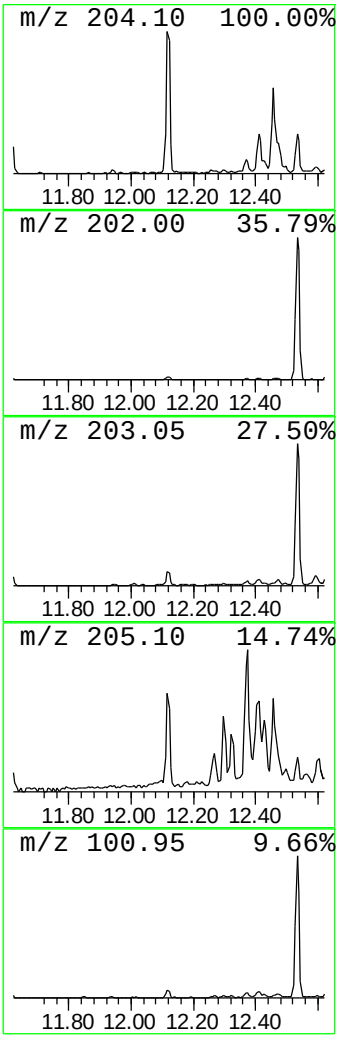
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.18 ng	172688	Phenanthrene-d10	11.32

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	80
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	53





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

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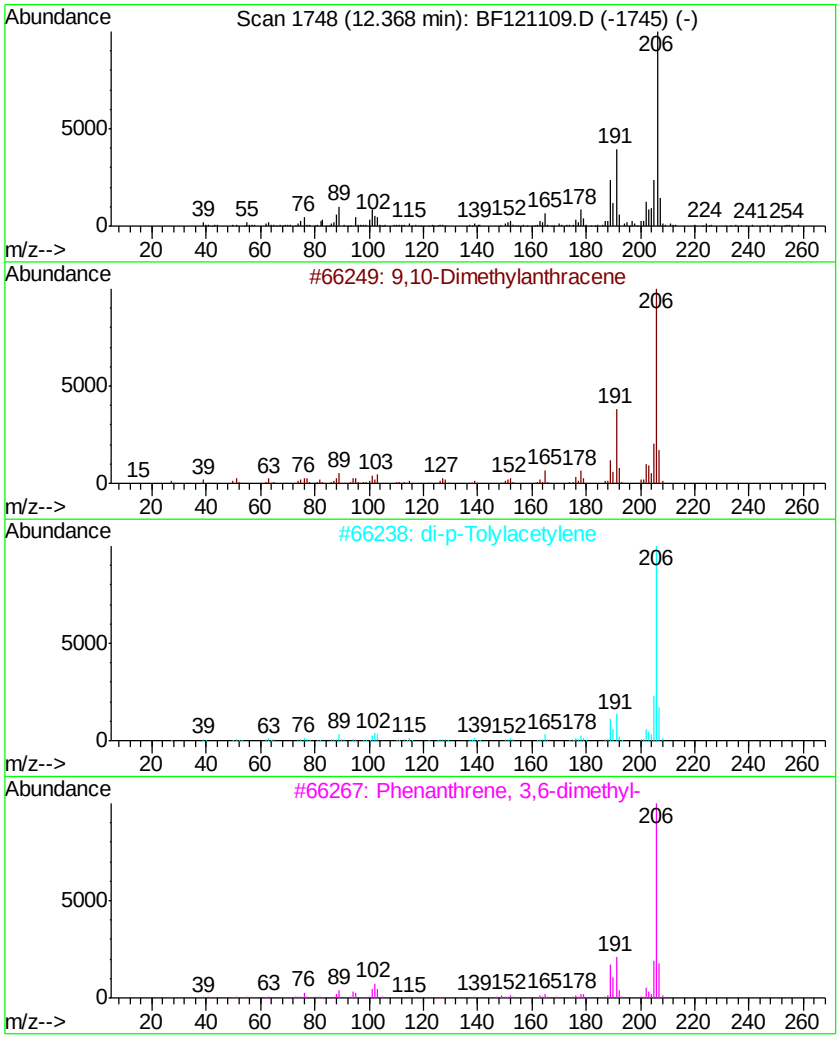
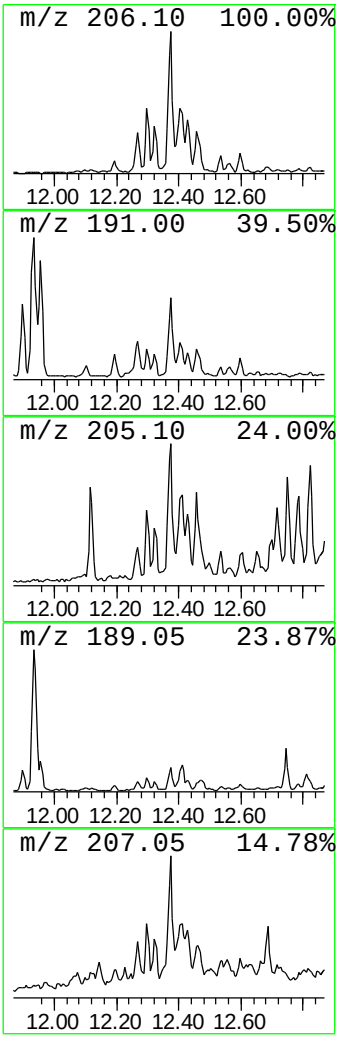
Peak Number 10 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	4.23 ng	229947	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83





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Sample : L3436-13 5X
Misc :
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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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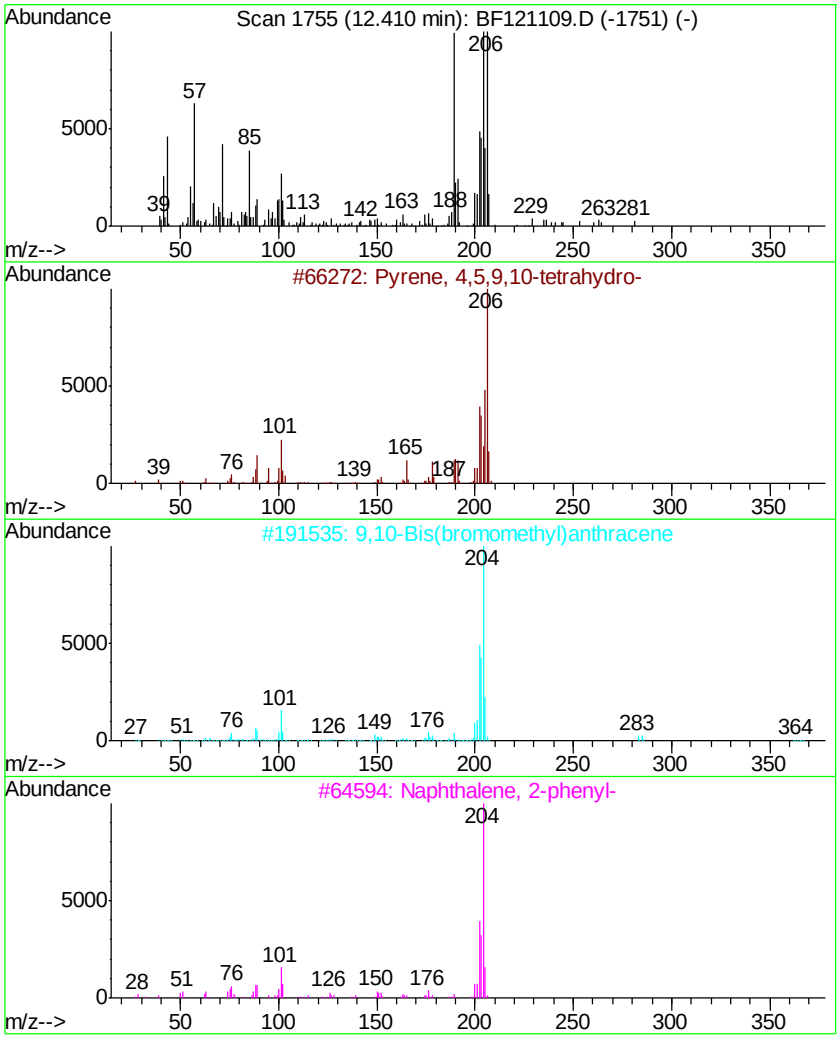
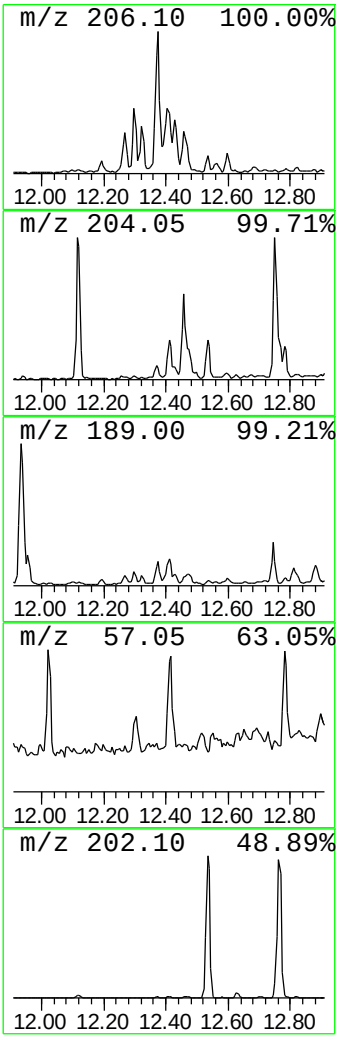
Peak Number 11 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	6.19 ng	336163	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	51
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	30
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	20
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	20
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	20





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Sample : L3436-13 5X
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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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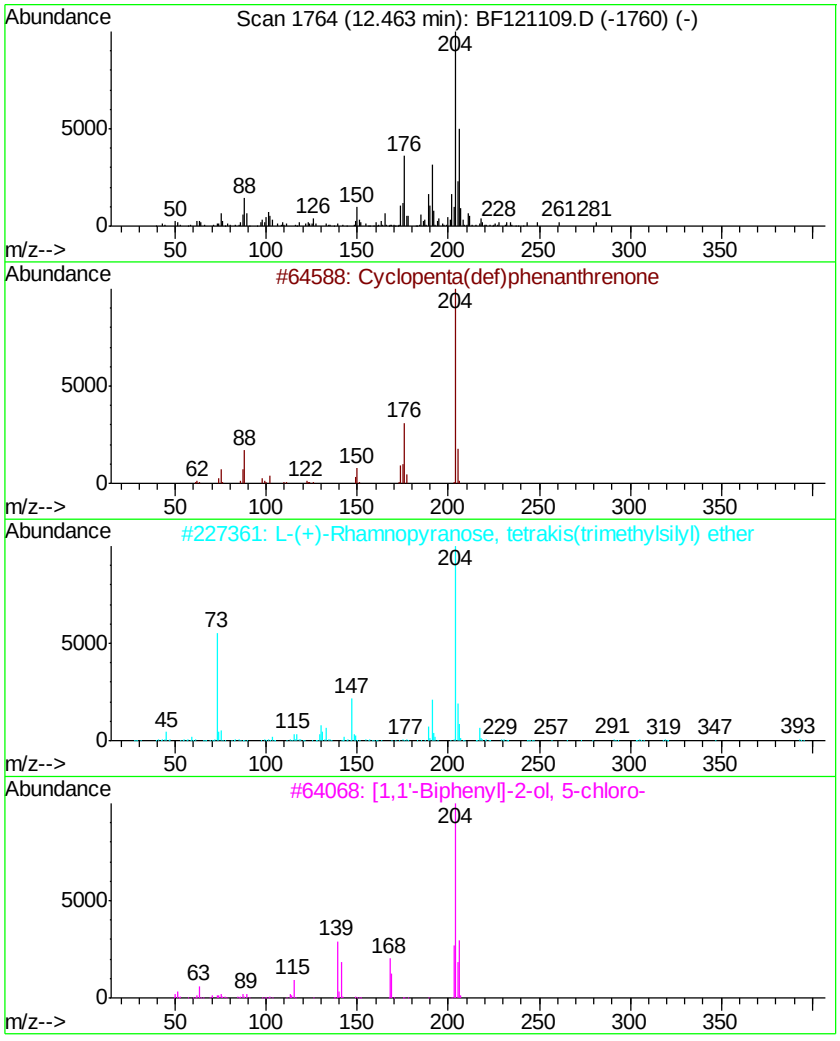
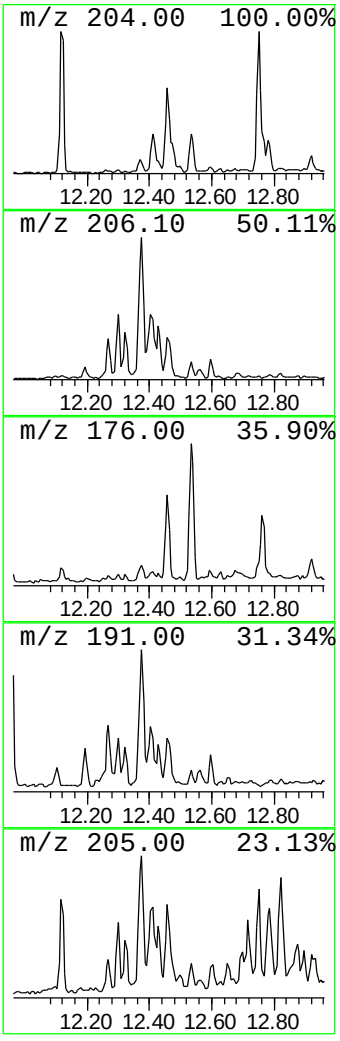
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	2.63 ng	142875	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	47
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
5	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	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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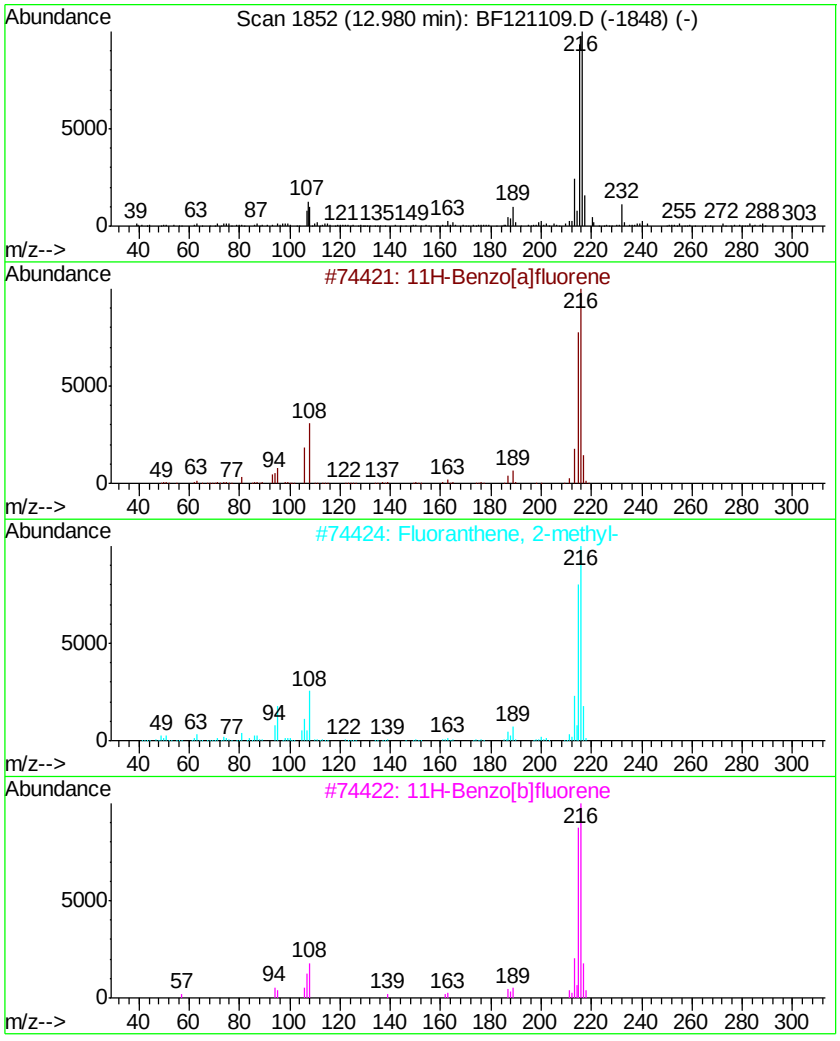
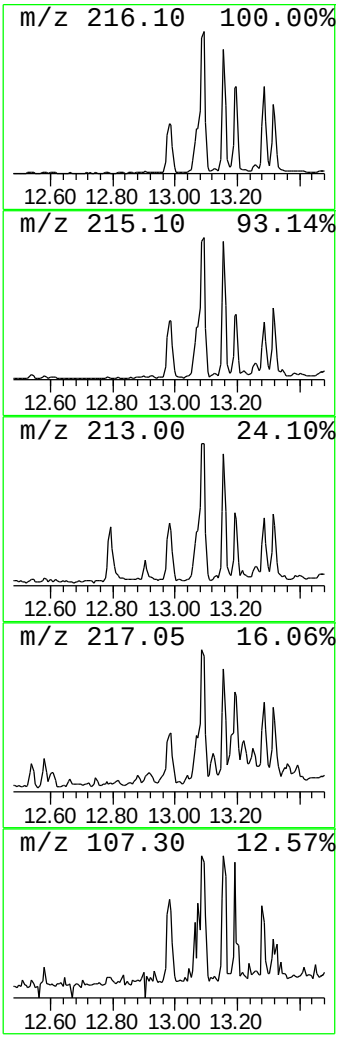
Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	2.16 ng	233964	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





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Instrument : BNA_F
ClientSampleId : 13

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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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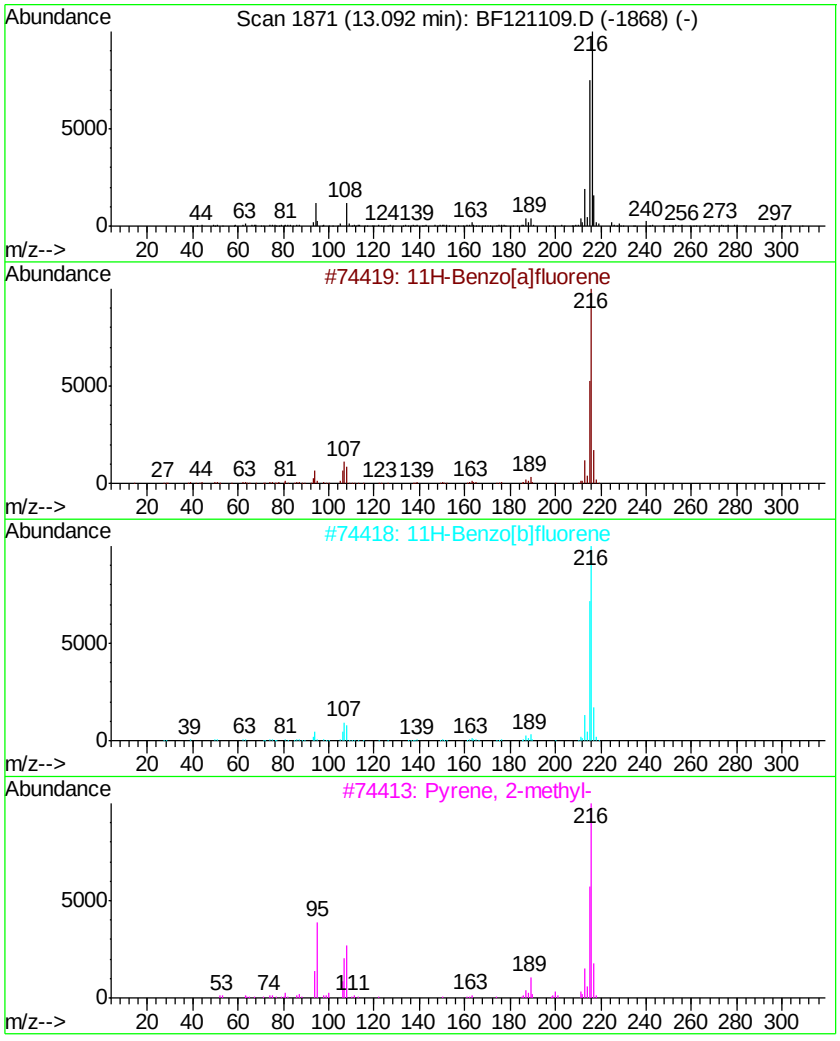
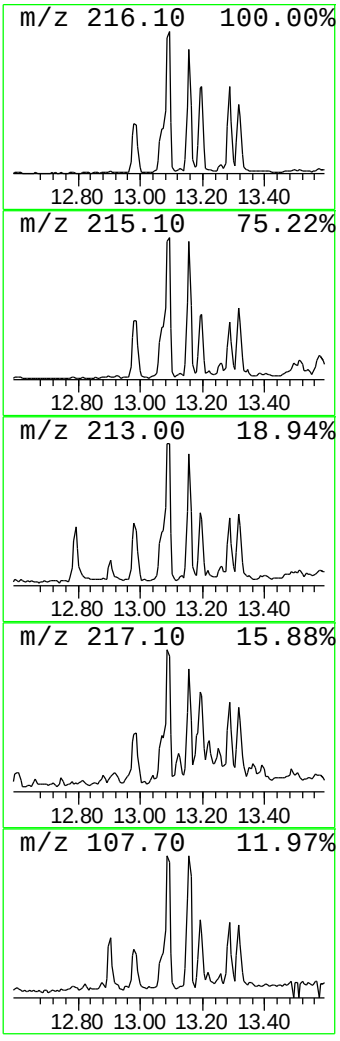
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	3.04 ng	328526	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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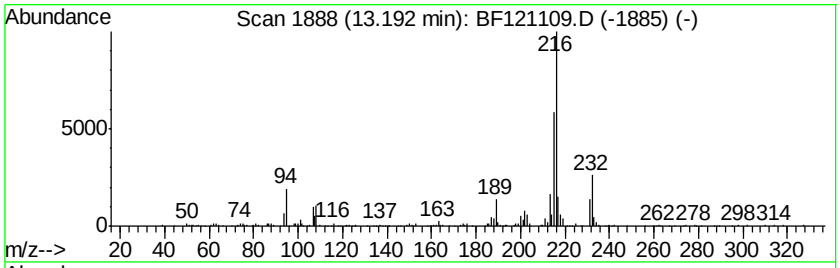
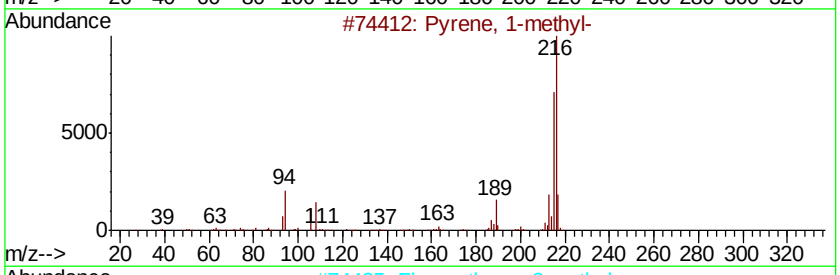
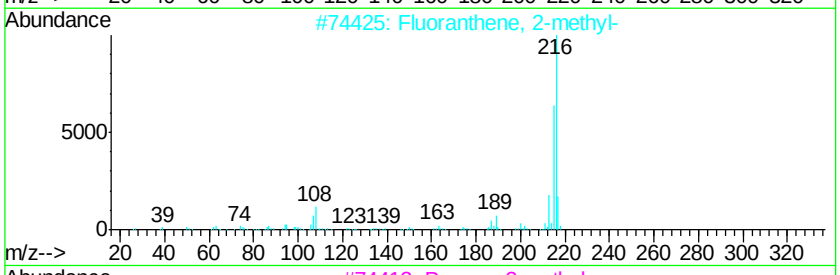
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 15

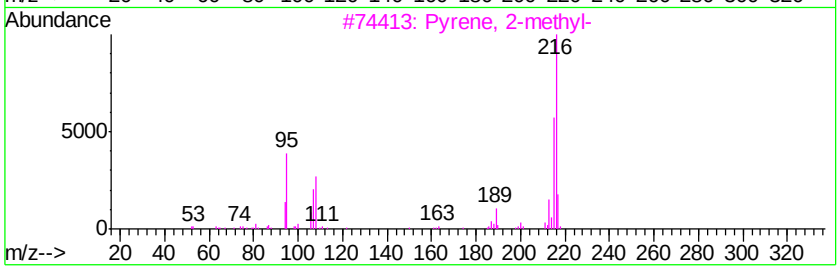
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	2.17 ng	235257	Chrysene-d12	13.96

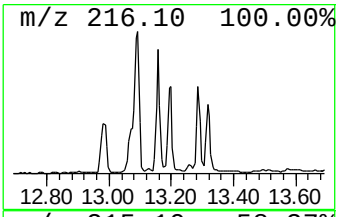
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70

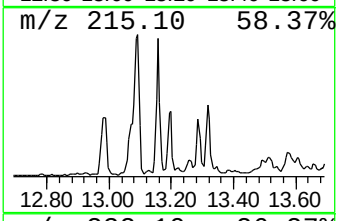


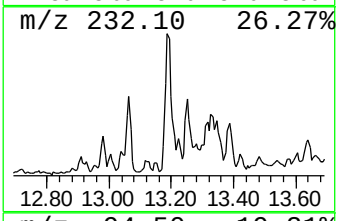


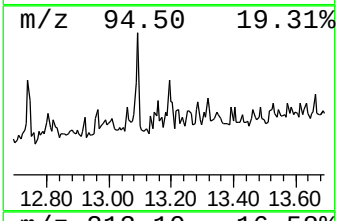


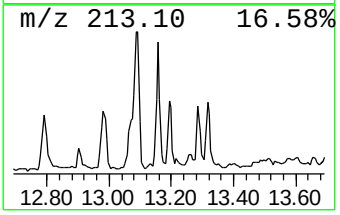












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Misc :
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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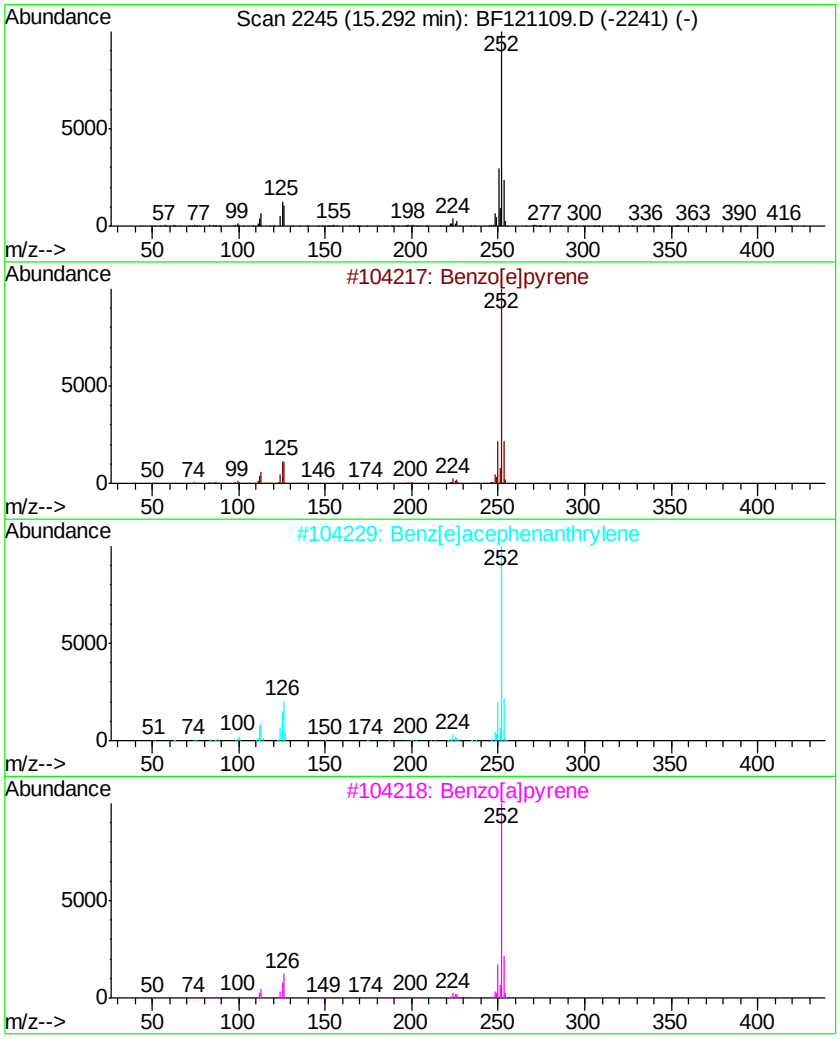
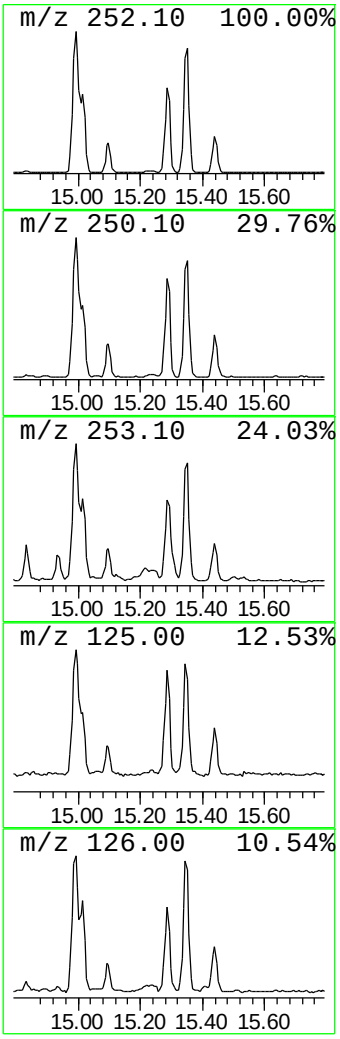
Peak Number 16 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	12.97 ng	647162	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072920\
Data File : BF121109.D
Acq On : 29 Jul 2020 18:57
Operator : JU/CG
Sample : L3436-13 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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
unknown10.75	10.75	3.8	ng	205909	4	11.32	1086180	20.0
Dibenzothiophene	11.22	3.0	ng	161440	4	11.32	1086180	20.0
Phenanthrene, 2-m...	11.82	4.6	ng	249034	4	11.32	1086180	20.0
Anthracene, 2-met...	11.85	5.5	ng	301610	4	11.32	1086180	20.0
1H-Cyclopropa[l]p...	11.90	2.6	ng	142580	4	11.32	1086180	20.0
4H-Cyclopenta[def...	11.93	9.3	ng	503208	4	11.32	1086180	20.0
Phenanthrene, 3-m...	11.96	2.4	ng	131800	4	11.32	1086180	20.0
Naphthalene, 2-ph...	12.12	3.2	ng	172688	4	11.32	1086180	20.0
9,10-Dimethylanth...	12.37	4.2	ng	229947	4	11.32	1086180	20.0
Pyrene, 4,5,9,10-...	12.41	6.2	ng	336163	4	11.32	1086180	20.0
Cyclopenta(def)ph...	12.46	2.6	ng	142875	4	11.32	1086180	20.0
11H-Benzo[a]fluorene	12.98	2.2	ng	233964	5	13.96	2163640	20.0
11H-Benzo[b]fluorene	13.09	3.0	ng	328526	5	13.96	2163640	20.0
Pyrene, 1-methyl-	13.19	2.2	ng	235257	5	13.96	2163640	20.0
Benzo[e]pyrene	15.29	13.0	ng	647162	6	15.41	997944	20.0