LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021521\
Data File : BF123210.D
Acq On : 15 Feb 2021 18:01
Operator : JU/CG
Sample : M1400-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BIN-2

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-BF021221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF123210.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.475	572	576	582	rVB	717957	607727	29.97%	2.595%
2	6.487	744	748	756	rBV	655645	626862	30.91%	2.677%
3	6.869	809	813	816	rBV	1119529	895642	44.16%	3.825%
4	7.051	841	844	846	rVB	39219	31530	1.55%	0.135%
5	7.422	904	907	911	rBV	461807	372412	18.36%	1.590%
6	8.151	1026	1031	1033	rBV	1457538	1231755	60.73%	5.260%
7	8.175	1033	1035	1038	rVB	417835	311931	15.38%	1.332%
8	8.863	1149	1152	1156	rVB	243673	218908	10.79%	0.935%
9	8.963	1165	1169	1173	rVB	258591	215025	10.60%	0.918%
10	9.228	1210	1214	1217	rBV	928149	691450	34.09%	2.953%
11	9.310	1224	1228	1229	rBV	34698	31217	1.54%	0.133%
12	9.345	1229	1234	1238	rVB2	63666	90523	4.46%	0.387%
13	9.428	1245	1248	1254	rVB	47262	51497	2.54%	0.220%
14	9.492	1255	1259	1263	rVB2	97893	133172	6.57%	0.569%
15	9.569	1268	1272	1274	rVV	172786	167075	8.24%	0.713%
16	9.592	1274	1276	1279	rVV	102301	89047	4.39%	0.380%
17	9.622	1279	1281	1286	rVV	78433	74817	3.69%	0.320%
18	9.686	1289	1292	1297	rVB	81597	88135	4.35%	0.376%
19	9.769	1301	1306	1311	rBV	87476	76605	3.78%	0.327%
20	9.910	1324	1330	1333	rBV	1633089	1378332	67.96%	5.886%
21	9.945	1333	1336	1339	rVB	718885	597512	29.46%	2.552%
22	10.016	1344	1348	1352	rVB3	28679	44582	2.20%	0.190%
23	10.069	1352	1357	1361	rBV2	33517	41943	2.07%	0.179%
24	10.116	1361	1365	1368	rVV	501750	417169	20.57%	1.782%
25	10.151	1368	1371	1374	rVB	44274	34641	1.71%	0.148%
26	10.228	1380	1384	1386	rBV2	41765	38485	1.90%	0.164%
27	10.257	1386	1389	1391	rVB	40232	30668	1.51%	0.131%
28	10.322	1395	1400	1401	rBV2	35635	41857	2.06%	0.179%
29	10.457	1419	1423	1429	rVB	750630	658944	32.49%	2.814%
30	10.510	1429	1432	1433	rBV	36153	32611	1.61%	0.139%
31	10.545	1436	1438	1440	rVB	81800	59827	2.95%	0.255%
32	10.616	1448	1450	1454	rVB	126510	99169	4.89%	0.424%
33	10.698	1459	1464	1468	rVV	610210	575274	28.36%	2.457%
34	10.745	1468	1472	1476	rVB3	31136	38826	1.91%	0.166%
35	10.822	1482	1485	1493	rVB3	54177	69037	3.40%	0.295%
36	10.892	1493	1497	1500	rBV3	30417	38763	1.91%	0.166%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021521\
Data File : BF123210.D
Acq On : 15 Feb 2021 18:01
Operator : JU/CG
Sample : M1400-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BIN-2

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-BF021221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.004	1511	1516	1519	rBV2	93166	112498	5.55%	0.480%
38	11.033	1519	1521	1524	rVV2	44266	36481	1.80%	0.156%
39	11.092	1528	1531	1534	rVB2	54692	44836	2.21%	0.191%
40	11.139	1534	1539	1540	rBV3	30889	43472	2.14%	0.186%
41	11.245	1554	1557	1562	rBV4	33634	55148	2.72%	0.236%
42	11.298	1562	1566	1571	rVB	174082	179643	8.86%	0.767%
43	11.398	1579	1583	1585	rBV	1359607	1290702	63.64%	5.512%
44	11.427	1585	1588	1591	rVV	2507546	2028118	100.00%	8.661%
45	11.475	1593	1596	1599	rVB	699565	540479	26.65%	2.308%
46	11.510	1599	1602	1605	rBV3	40757	45221	2.23%	0.193%
47	11.627	1619	1622	1625	rBV	223641	181106	8.93%	0.773%
48	11.698	1631	1634	1636	rVV2	35576	26154	1.29%	0.112%
49	11.733	1637	1640	1645	rVB3	34522	40691	2.01%	0.174%
50	11.816	1651	1654	1657	rBV	27169	27063	1.33%	0.116%
51	11.904	1663	1669	1671	rBV	182565	186005	9.17%	0.794%
52	11.927	1671	1673	1678	rVV	305709	306696	15.12%	1.310%
53	11.980	1678	1682	1684	rVV	97974	100166	4.94%	0.428%
54	12.016	1684	1688	1690	rVV	375079	360127	17.76%	1.538%
55	12.039	1690	1692	1695	rVB	103575	86609	4.27%	0.370%
56	12.198	1716	1719	1722	rBV	100678	82598	4.07%	0.353%
57	12.333	1739	1742	1743	rBV2	24084	24739	1.22%	0.106%
58	12.380	1747	1750	1752	rVV2	50425	47819	2.36%	0.204%
59	12.404	1752	1754	1756	rVB	37082	29275	1.44%	0.125%
60	12.457	1759	1763	1765	rVV	81289	88701	4.37%	0.379%
61	12.492	1765	1769	1771	rVV2	71188	84479	4.17%	0.361%
62	12.539	1775	1777	1782	rVV3	30885	45187	2.23%	0.193%
63	12.616	1786	1790	1794	rBV	1351412	1118087	55.13%	4.775%
64	12.657	1795	1797	1800	rVV3	64397	69768	3.44%	0.298%
65	12.716	1803	1807	1813	rVV3	61939	91342	4.50%	0.390%
66	12.769	1813	1816	1819	rVV2	61099	69233	3.41%	0.296%
67	12.845	1823	1829	1832	rVV	977279	1030477	50.81%	4.401%
68	12.898	1835	1838	1842	rVV2	44825	62079	3.06%	0.265%
69	12.963	1846	1849	1850	rVV	59250	47054	2.32%	0.201%
70	12.986	1850	1853	1860	rVB	697720	628728	31.00%	2.685%
71	13.063	1862	1866	1869	rVV3	60025	94999	4.68%	0.406%
72	13.092	1869	1871	1874	rVV	38796	37785	1.86%	0.161%
73	13.127	1874	1877	1879	rVV3	29446	47094	2.32%	0.201%
74	13.174	1882	1885	1888	rVB	199218	172938	8.53%	0.739%
75	13.239	1893	1896	1899	rVB	174672	151057	7.45%	0.645%
76	13.280	1899	1903	1906	rBV2	82426	97053	4.79%	0.414%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021521\
Data File : BF123210.D
Acq On : 15 Feb 2021 18:01
Operator : JU/CG
Sample : M1400-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BIN-2

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-BF021221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.374	1917	1919	1921	rVB	36841	27581	1.36%	0.118%
78	13.404	1921	1924	1926	rBV2	43086	36027	1.78%	0.154%
79	13.798	1989	1991	1994	rBV	44081	36743	1.81%	0.157%
80	13.827	1994	1996	1998	rBV	43850	33206	1.64%	0.142%
81	13.851	1998	2000	2004	rBV2	34271	47087	2.32%	0.201%
82	14.045	2028	2033	2036	rBV2	1096637	1308052	64.50%	5.586%
83	14.074	2036	2038	2040	rVB	263225	197990	9.76%	0.846%
84	14.157	2049	2052	2055	rVB	70771	63515	3.13%	0.271%
85	15.092	2208	2211	2214	rBV	230825	321122	15.83%	1.371%
86	15.398	2261	2263	2270	rVB	154058	183247	9.04%	0.783%
87	15.462	2271	2274	2278	rBV	206248	229768	11.33%	0.981%
88	15.527	2281	2285	2289	rBV	740511	917432	45.24%	3.918%

Sum of corrected areas: 23416447

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021521\
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Acq On : 15 Feb 2021 18:01
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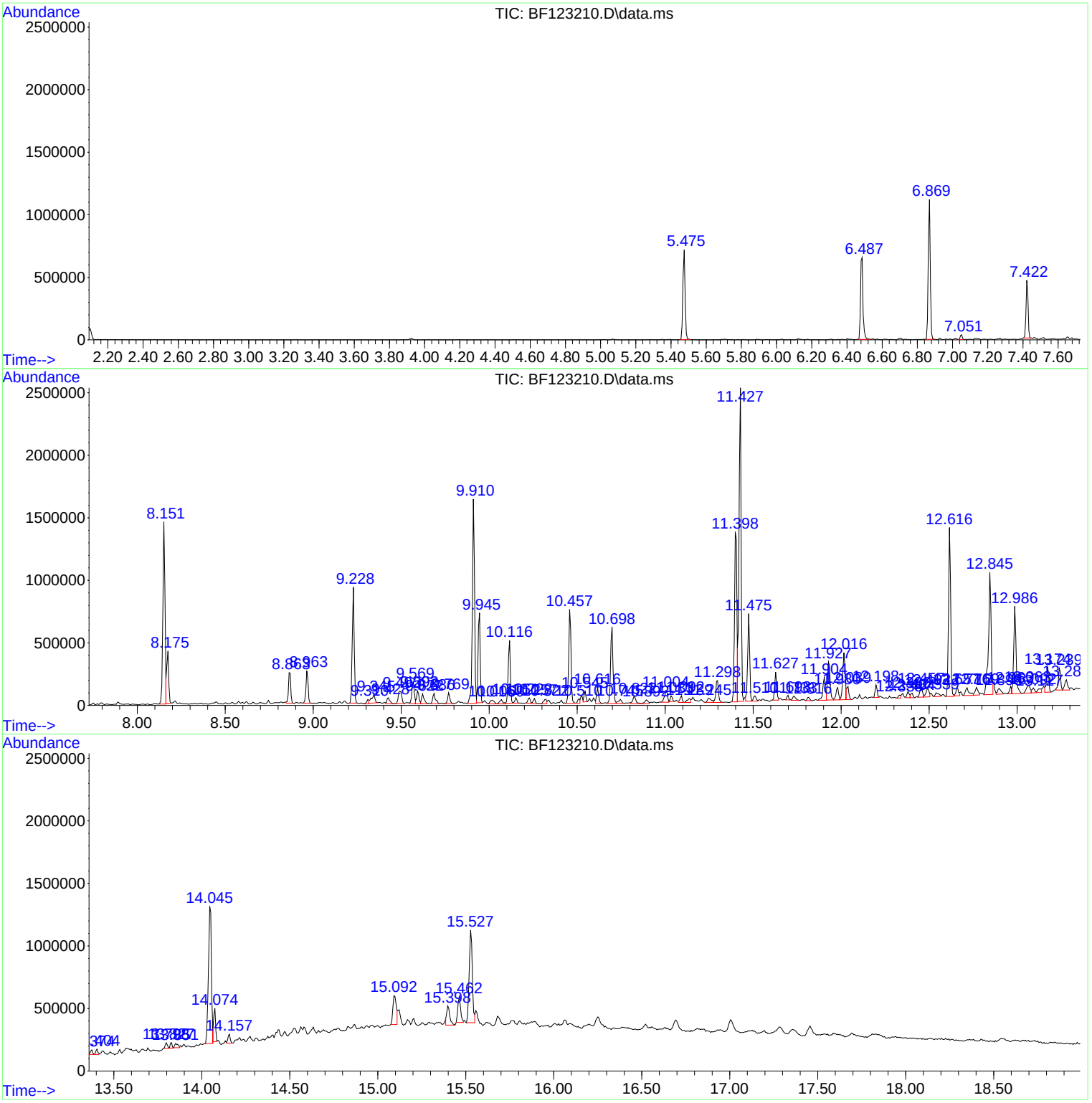
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BIN-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021221.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\BF021521\
Data File : BF123210.D
Acq On : 15 Feb 2021 18:01
Operator : JU/CG
Sample : M1400-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BIN-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

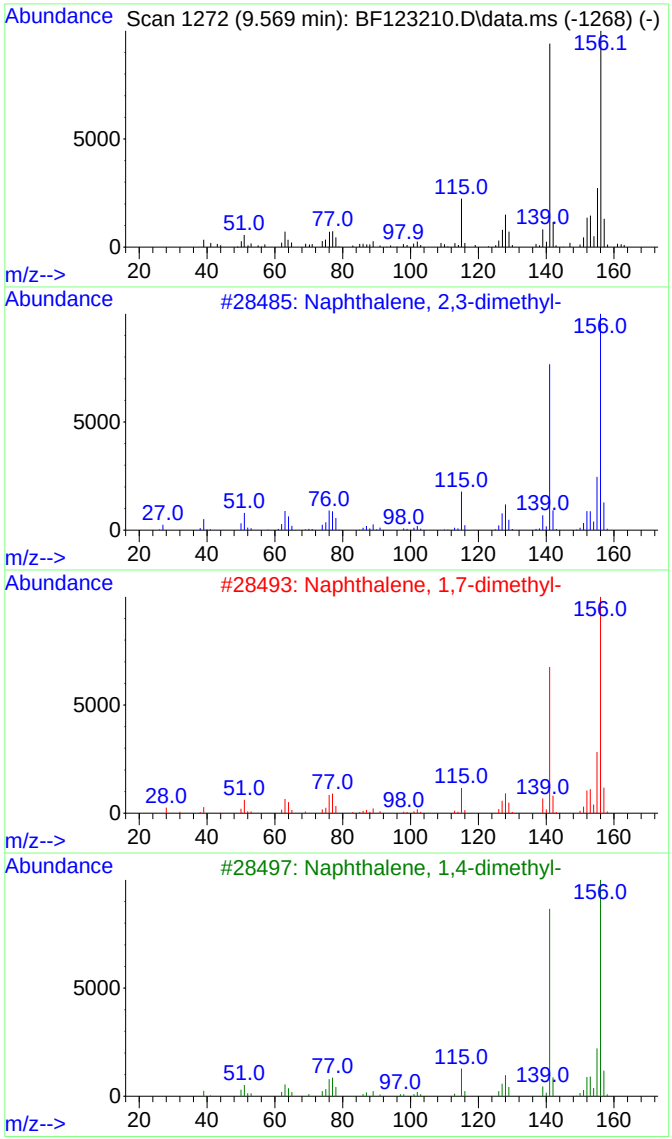
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

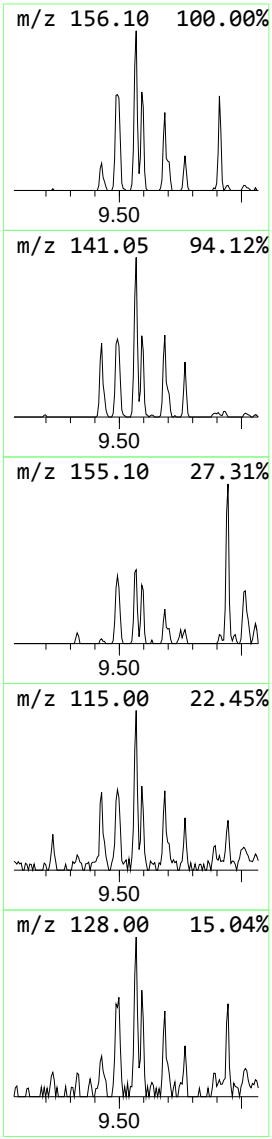
****

Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.569	2.42 ng	167075	Acenaphthene-d10	9.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021521\
Data File : BF123210.D
Acq On : 15 Feb 2021 18:01
Operator : JU/CG
Sample : M1400-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BIN-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

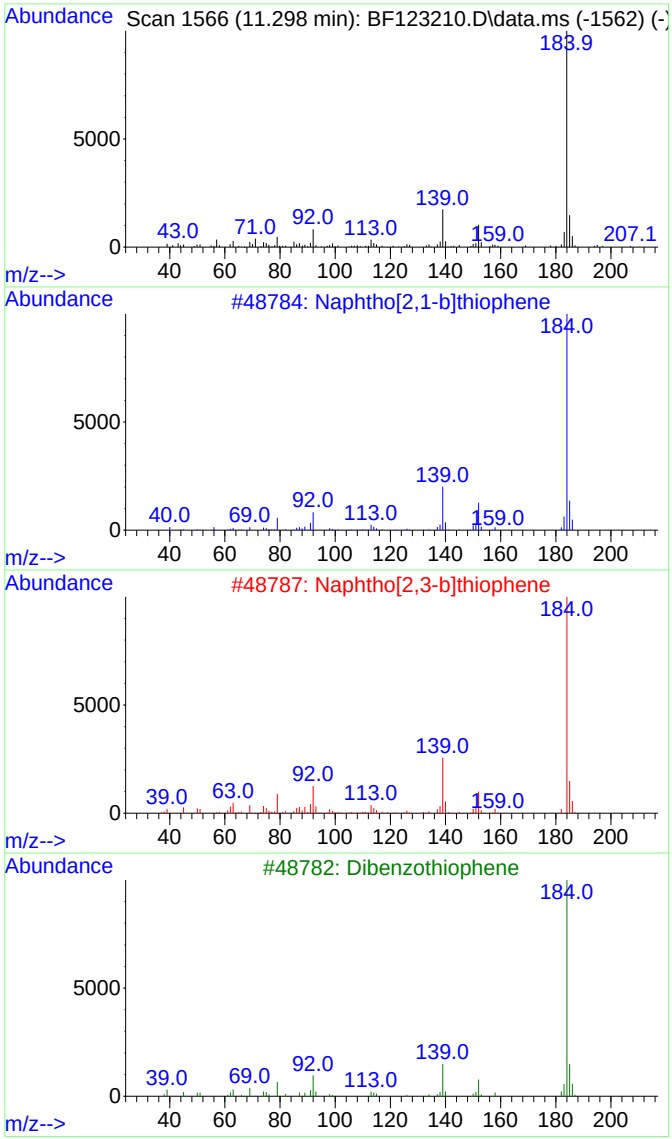
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

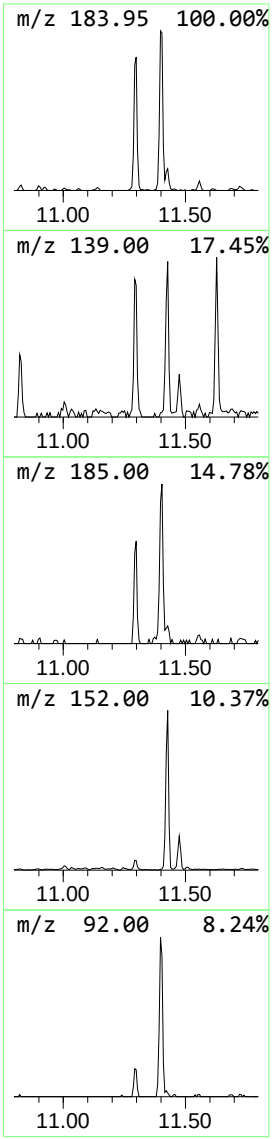
****

Peak Number 2 Naphtho[2,1-b]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.298	2.78 ng	179643	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021521\
Data File : BF123210.D
Acq On : 15 Feb 2021 18:01
Operator : JU/CG
Sample : M1400-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BIN-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

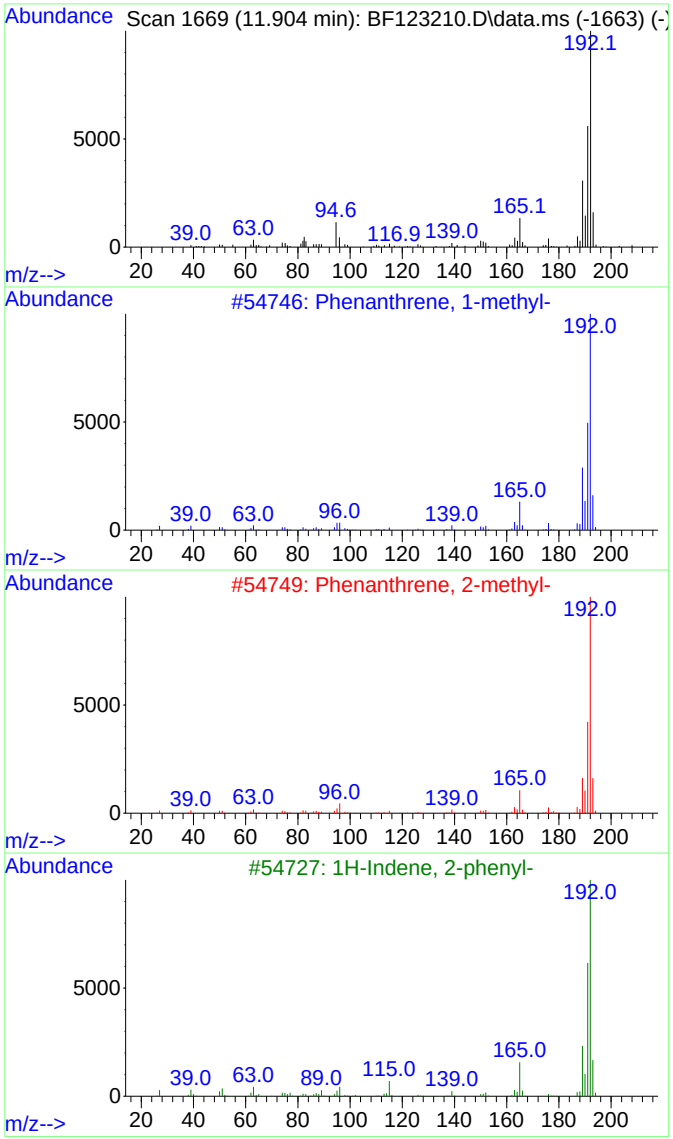
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

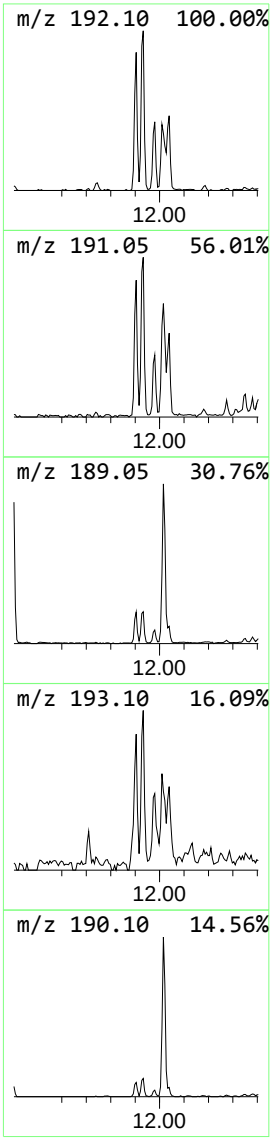
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	2.88 ng	186005	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021521\
Data File : BF123210.D
Acq On : 15 Feb 2021 18:01
Operator : JU/CG
Sample : M1400-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BIN-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

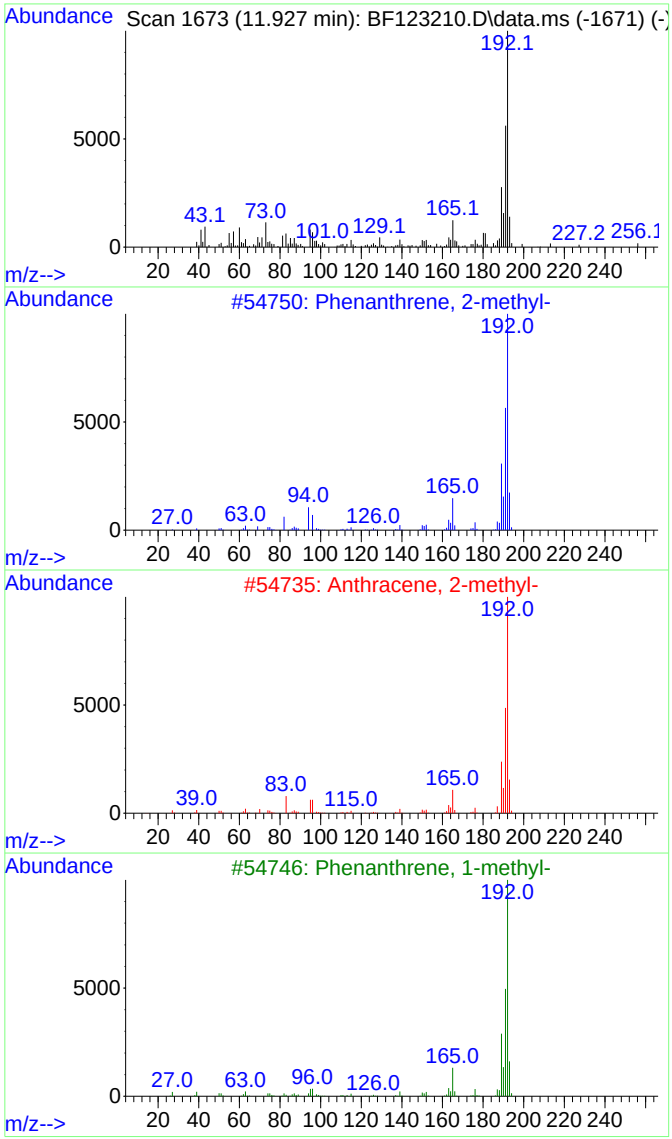
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

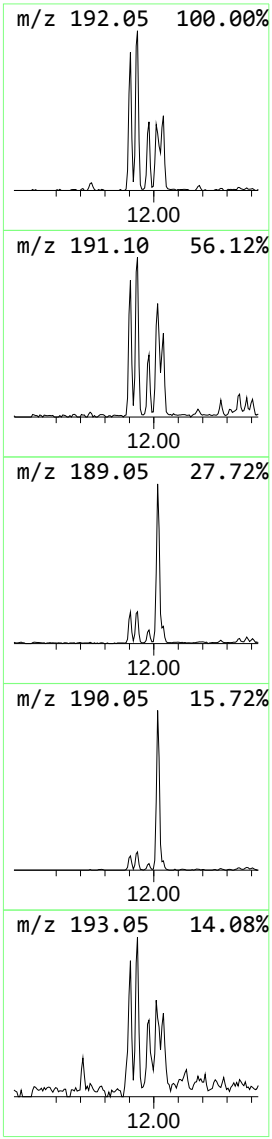
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	4.75 ng	306696	Phenanthrene-d10	11.398

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	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021521\
Data File : BF123210.D
Acq On : 15 Feb 2021 18:01
Operator : JU/CG
Sample : M1400-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BIN-2

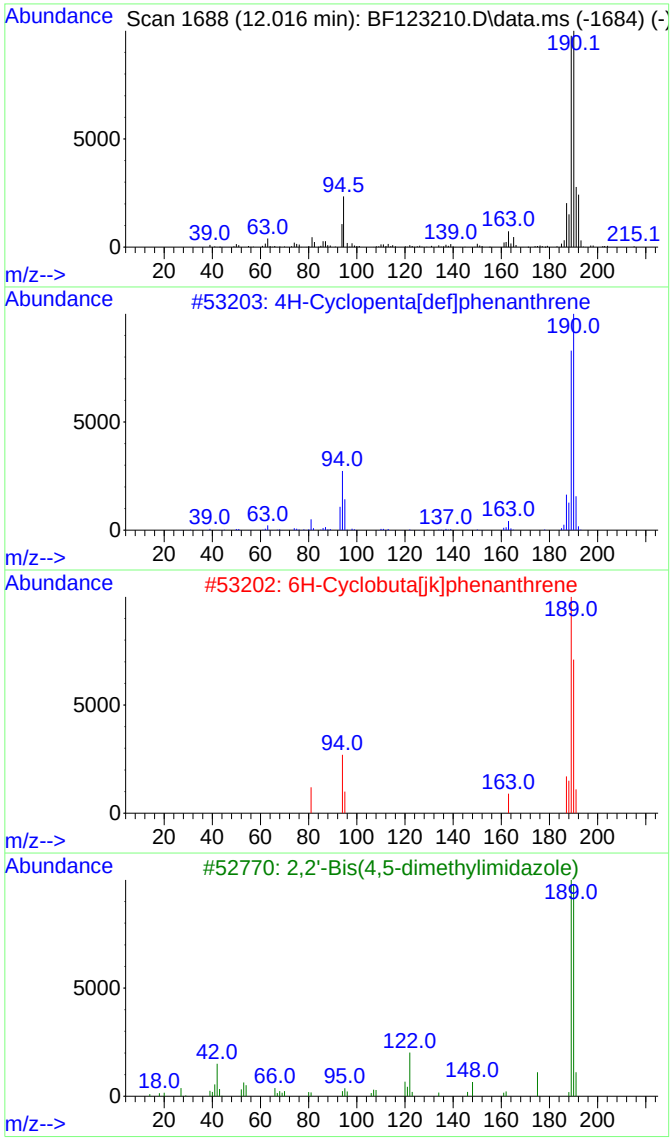
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

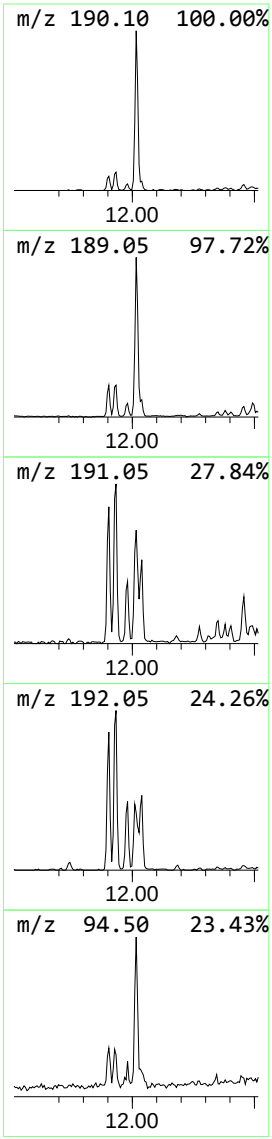
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.016	5.58 ng	360127	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	27
5	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021521\
Data File : BF123210.D
Acq On : 15 Feb 2021 18:01
Operator : JU/CG
Sample : M1400-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BIN-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021221.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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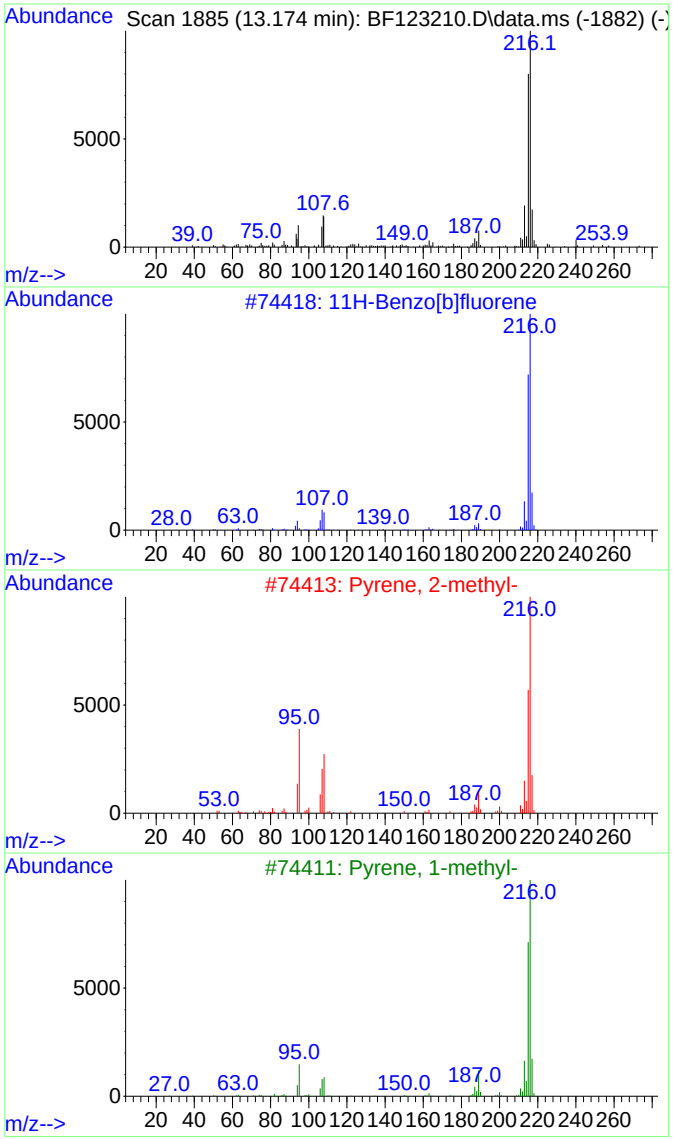
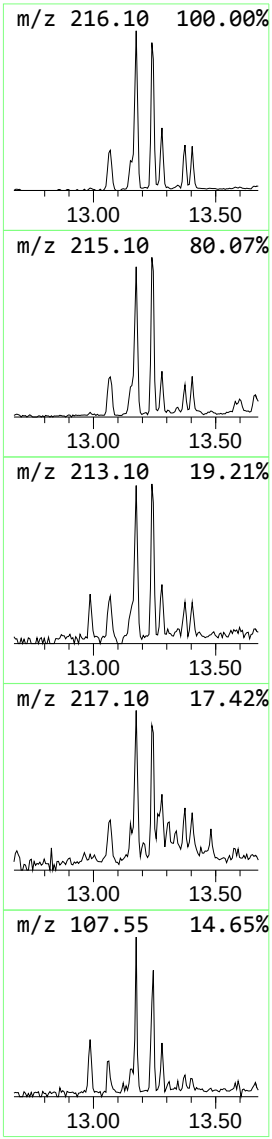
Peak Number 6 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.174	2.64 ng	172938	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Data File : BF123210.D
Acq On : 15 Feb 2021 18:01
Operator : JU/CG
Sample : M1400-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BIN-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021221.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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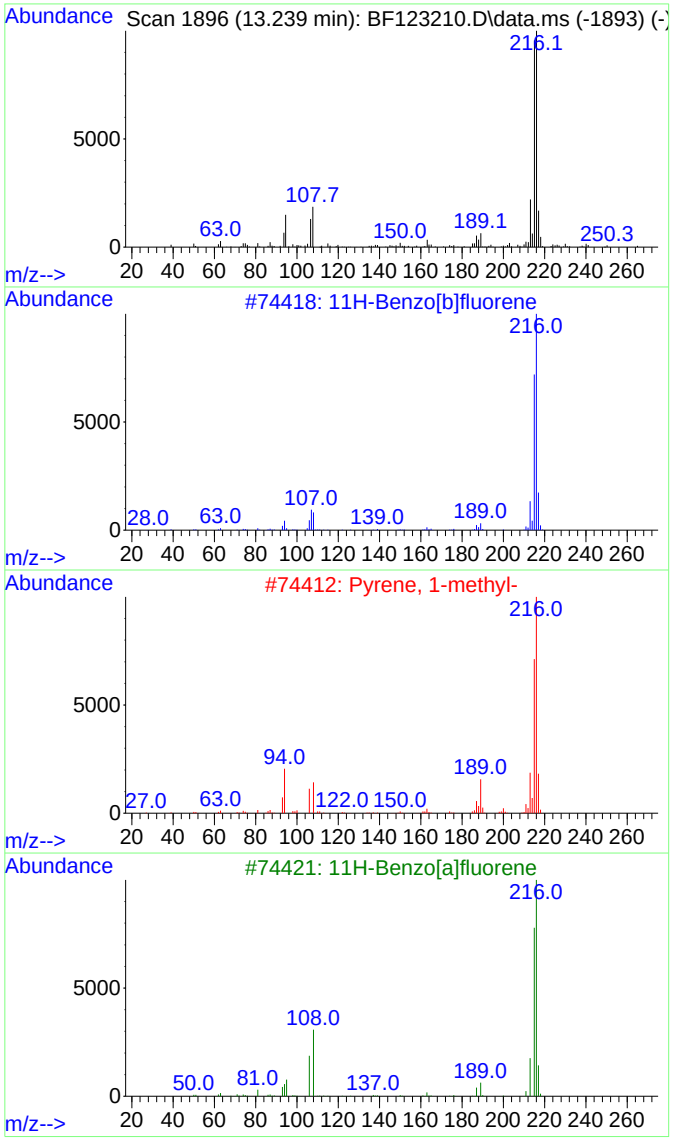
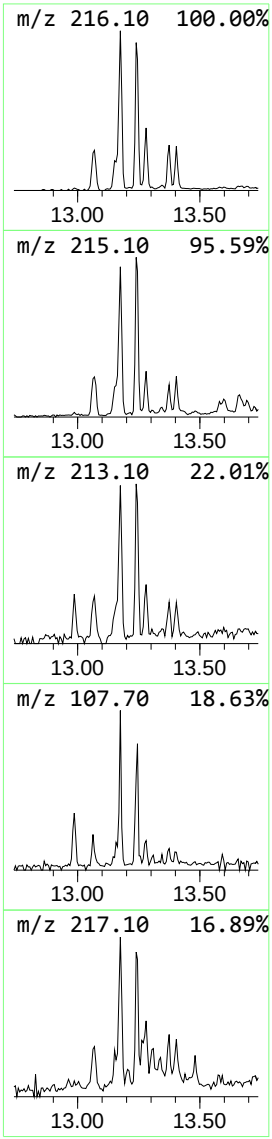
Peak Number 7 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.239	2.31 ng	151057	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021521\
Data File : BF123210.D
Acq On : 15 Feb 2021 18:01
Operator : JU/CG
Sample : M1400-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BIN-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021221.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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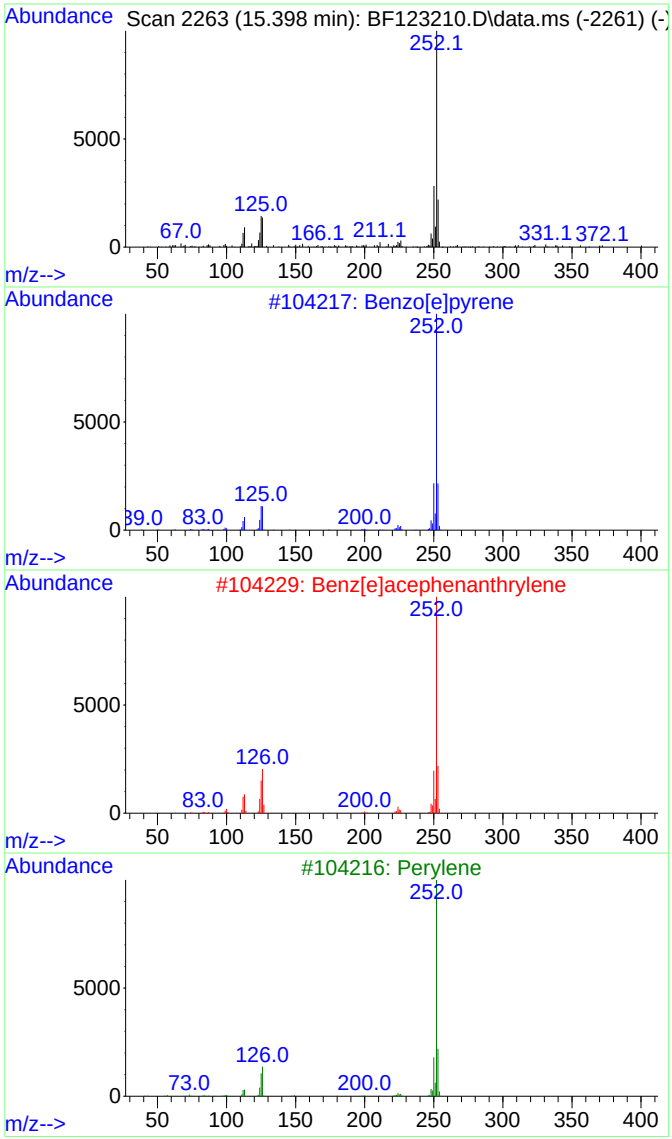
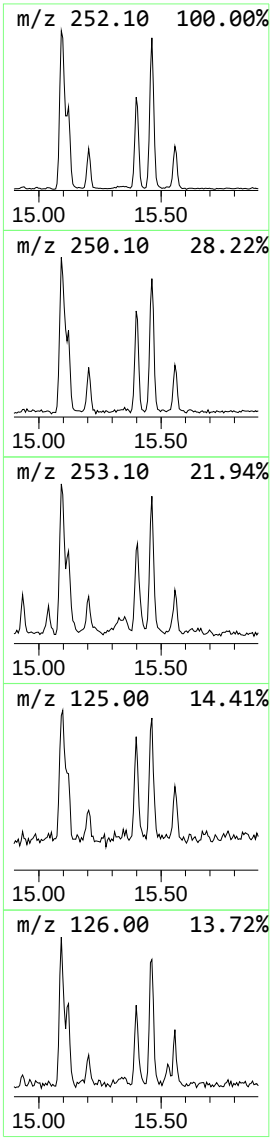
Peak Number 8 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.398	3.99 ng	183247	Perylene-d12	15.527

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	97
3	Perylene	252	C20H12	000198-55-0	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021521\
Data File : BF123210.D
Acq On : 15 Feb 2021 18:01
Operator : JU/CG
Sample : M1400-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BIN-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021221.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
Naphthalene, 2,...	9.569	2.4	ng	167075	3	9.910	1378330	20.0
Naphtho[2,1-b]t...	11.298	2.8	ng	179643	4	11.398	1290700	20.0
Phenanthrene, 1...	11.904	2.9	ng	186005	4	11.398	1290700	20.0
Phenanthrene, 2...	11.927	4.8	ng	306696	4	11.398	1290700	20.0
4H-Cyclopenta[d...	12.016	5.6	ng	360127	4	11.398	1290700	20.0
11H-Benzo[b]flu...	13.174	2.6	ng	172938	5	14.051	1308050	20.0
Pyrene, 1-methyl-	13.239	2.3	ng	151057	5	14.051	1308050	20.0
Benzo[e]pyrene	15.398	4.0	ng	183247	6	15.527	917432	20.0