LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

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-BF091020.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	580	rBV	451303	437815	20.32%	1.243%
2	6.428	735	738	749	rBV	606341	576129	26.74%	1.636%
3	6.798	797	801	807	rVB	1028442	966188	44.85%	2.744%
4	7.357	892	896	900	rBV	421521	349224	16.21%	0.992%
5	7.393	900	902	906	rVB	75411	69238	3.21%	0.197%
6	8.081	1013	1019	1021	rBV	1492926	1345657	62.46%	3.821%
7	8.104	1021	1023	1026	rVV	308667	257935	11.97%	0.732%
8	8.140	1026	1029	1032	rVB	97386	99732	4.63%	0.283%
9	8.375	1063	1069	1075	rBV5	66043	118970	5.52%	0.338%
10	8.504	1087	1091	1093	rBV	168387	163141	7.57%	0.463%
11	8.622	1107	1111	1113	rBV3	68851	67745	3.14%	0.192%
12	8.669	1116	1119	1123	rBV	158887	157816	7.33%	0.448%
13	8.792	1138	1140	1143	rBV	124754	87606	4.07%	0.249%
14	8.892	1154	1157	1161	rVB	92293	96756	4.49%	0.275%
15	8.957	1165	1168	1171	rBV4	55548	76552	3.55%	0.217%
16	9.098	1190	1192	1197	rVB	189276	173210	8.04%	0.492%
17	9.151	1198	1201	1206	rVB	933915	740659	34.38%	2.103%
18	9.234	1211	1215	1221	rBV3	267801	335564	15.58%	0.953%
19	9.422	1243	1247	1250	rVB2	75416	100782	4.68%	0.286%
20	9.492	1256	1259	1261	rBV	124999	110319	5.12%	0.313%
21	9.557	1265	1270	1272	rBV3	281460	345127	16.02%	0.980%
22	9.610	1276	1279	1283	rVB2	67372	69896	3.24%	0.198%
23	9.692	1291	1293	1297	rBV2	119092	134473	6.24%	0.382%
24	9.745	1299	1302	1303	rVV2	91227	77167	3.58%	0.219%
25	9.763	1303	1305	1310	rVB	164072	139556	6.48%	0.396%
26	9.834	1310	1317	1320	rBV	1703950	1483595	68.87%	4.213%
27	9.863	1320	1322	1326	rVB	272881	237386	11.02%	0.674%
28	9.939	1332	1335	1339	rVB2	68739	84323	3.91%	0.239%
29	9.992	1339	1344	1347	rBV5	88819	129309	6.00%	0.367%
30	10.034	1347	1351	1356	rVV2	201817	257165	11.94%	0.730%
31	10.086	1356	1360	1363	rVB3	80745	118145	5.48%	0.335%
32	10.151	1368	1371	1373	rBV	81252	85390	3.96%	0.242%
33	10.239	1383	1386	1388	rBV2	90913	88320	4.10%	0.251%
34	10.263	1388	1390	1392	rVB2	158792	112205	5.21%	0.319%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

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-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.381	1406	1410	1416	rBV	302190	323525	15.02%	0.919%
36	10.486	1425	1428	1431	rVB	197684	194320	9.02%	0.552%
37	10.533	1434	1436	1440	rVB2	110983	112976	5.24%	0.321%
38	10.616	1445	1450	1454	rBV2	204709	242830	11.27%	0.690%
39	10.751	1468	1473	1479	rVB	474547	559574	25.97%	1.589%
40	10.928	1498	1503	1505	rBV3	117970	133731	6.21%	0.380%
41	10.957	1505	1508	1511	rVV3	97349	115575	5.36%	0.328%
42	11.122	1534	1536	1540	rVB2	101333	83170	3.86%	0.236%
43	11.169	1541	1544	1545	rVV2	74700	82325	3.82%	0.234%
44	11.186	1545	1547	1549	rVV	127779	120528	5.59%	0.342%
45	11.216	1549	1552	1557	rVB	369447	374179	17.37%	1.063%
46	11.322	1566	1570	1571	rBV	1231168	1209889	56.16%	3.436%
47	11.345	1571	1574	1577	rVV	2114502	1786540	82.93%	5.073%
48	11.392	1580	1582	1585	rVB	584862	436696	20.27%	1.240%
49	11.428	1585	1588	1591	rBV2	103982	121290	5.63%	0.344%
50	11.551	1606	1609	1611	rBV	132446	138679	6.44%	0.394%
51	11.610	1617	1619	1622	rVB2	131794	97122	4.51%	0.276%
52	11.651	1623	1626	1631	rVB2	98265	125427	5.82%	0.356%
53	11.816	1651	1654	1657	rVV	402400	416245	19.32%	1.182%
54	11.845	1657	1659	1664	rVV	515131	468042	21.73%	1.329%
55	11.892	1664	1667	1670	rVV	196399	213821	9.93%	0.607%
56	11.928	1670	1673	1676	rVV2	592828	705299	32.74%	2.003%
57	11.951	1676	1677	1681	rVB	336301	263097	12.21%	0.747%
58	12.016	1686	1688	1692	rVV3	103701	108122	5.02%	0.307%
59	12.116	1702	1705	1707	rBV	208321	158409	7.35%	0.450%
60	12.139	1707	1709	1713	rVB2	122829	112541	5.22%	0.320%
61	12.263	1725	1730	1733	rBV2	157668	179681	8.34%	0.510%
62	12.298	1733	1736	1738	rBV2	117044	107285	4.98%	0.305%
63	12.369	1745	1748	1751	rBV	389699	387686	18.00%	1.101%
64	12.404	1751	1754	1757	rVV2	256405	319158	14.81%	0.906%
65	12.457	1760	1763	1767	rBV2	181030	229270	10.64%	0.651%
66	12.533	1772	1776	1779	rVV	2217140	1882966	87.40%	5.347%
67	12.592	1785	1786	1789	rVB2	99649	69387	3.22%	0.197%
68	12.763	1809	1815	1820	rBV	1767733	2154301	100.00%	6.117%
69	12.816	1820	1824	1828	rVB3	151849	183698	8.53%	0.522%
70	12.874	1831	1834	1836	rBV2	122789	147887	6.86%	0.420%
71	12.898	1836	1838	1846	rVB2	696913	789015	36.63%	2.241%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

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-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.974	1847	1851	1855	rBV2	190169	283792	13.17%	0.806%
73	13.010	1855	1857	1859	rVB	145626	109782	5.10%	0.312%
74	13.063	1863	1866	1867	rBV2	135596	128084	5.95%	0.364%
75	13.086	1868	1870	1873	rVB	364754	297113	13.79%	0.844%
76	13.133	1876	1878	1879	rBV	125310	84739	3.93%	0.241%
77	13.151	1879	1881	1884	rVB	210385	171890	7.98%	0.488%
78	13.192	1884	1888	1890	rBV2	262960	267520	12.42%	0.760%
79	13.280	1901	1903	1906	rVV	168139	148066	6.87%	0.420%
80	13.316	1906	1909	1912	rVB	194416	177850	8.26%	0.505%
81	13.474	1934	1936	1941	rBV3	112753	129402	6.01%	0.367%
82	13.592	1954	1956	1961	rVB	171854	200427	9.30%	0.569%
83	13.704	1971	1975	1978	rBV3	161923	242642	11.26%	0.689%
84	13.733	1978	1980	1982	rVB	131944	91418	4.24%	0.260%
85	13.804	1990	1992	1999	rVB	290079	328191	15.23%	0.932%
86	13.957	2013	2018	2021	rBV2	1352365	1950789	90.55%	5.539%
87	13.980	2021	2022	2030	rVB	814829	706166	32.78%	2.005%
88	14.063	2034	2036	2038	rVB	155624	110652	5.14%	0.314%
89	14.304	2075	2077	2079	rBV	80702	72616	3.37%	0.206%
90	14.345	2081	2084	2086	rVV	238469	244100	11.33%	0.693%
91	14.374	2087	2089	2092	rVB	125764	103827	4.82%	0.295%
92	14.469	2102	2105	2107	rBV2	133952	130456	6.06%	0.370%
93	14.727	2147	2149	2152	rBV2	114842	90710	4.21%	0.258%
94	14.986	2189	2193	2196	rBV	709860	1025422	47.60%	2.912%
95	15.092	2208	2211	2214	rVB	151200	144078	6.69%	0.409%
96	15.280	2240	2243	2250	rVB	414151	539736	25.05%	1.533%
97	15.345	2250	2254	2259	rVB	641686	786490	36.51%	2.233%
98	15.410	2260	2265	2268	rBV	761871	981858	45.58%	2.788%
99	16.833	2503	2507	2515	rVB2	246272	480790	22.32%	1.365%
100	17.268	2576	2581	2593	rVB	173482	340013	15.78%	0.966%

Sum of corrected areas: 35216000

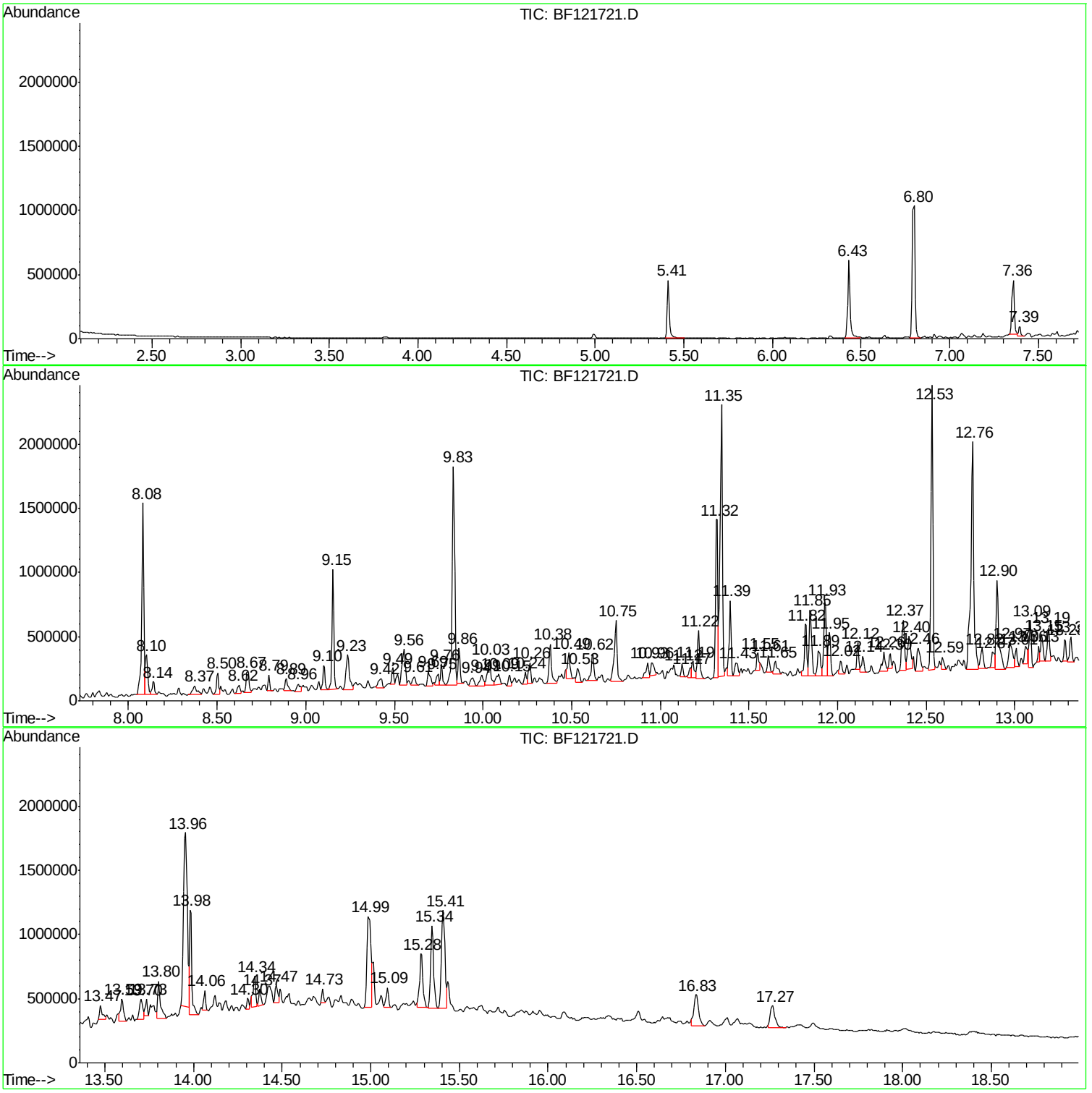
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

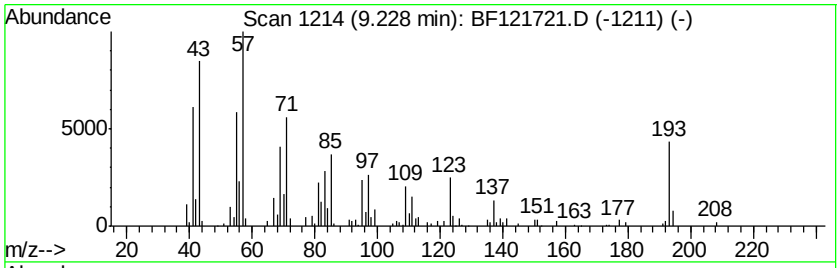
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

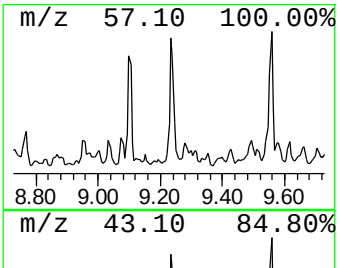
****

Peak Number 1 Sulfurous acid, dodecyl 2-p... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	4.52 ng	335564	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	58
2	Hexadecane	226	C16H34	000544-76-3	58
3	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	58
4	Tetradecane	198	C14H30	000629-59-4	55
5	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

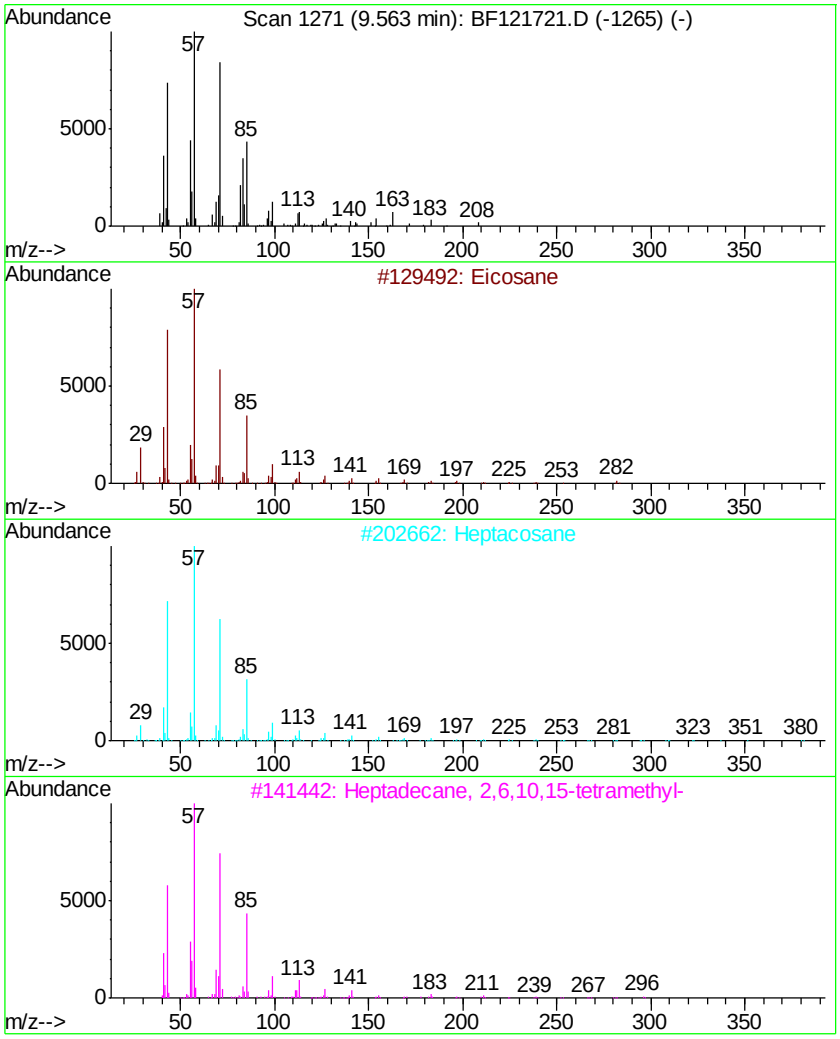
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

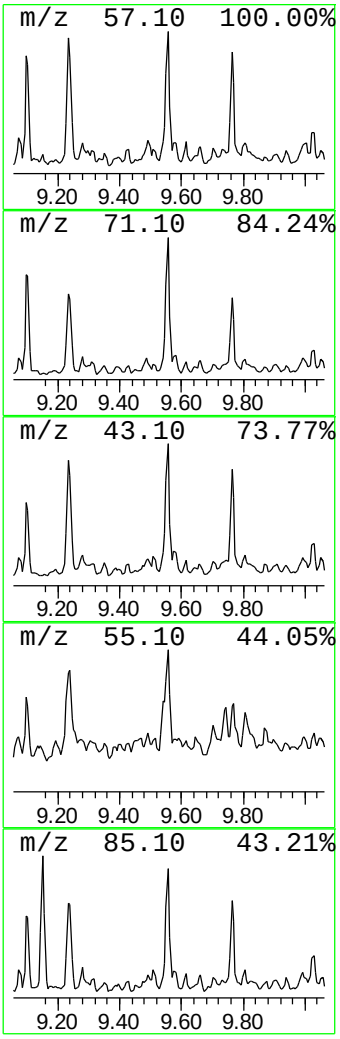
****

Peak Number 2 Eicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	4.65 ng	345127	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	80
2	Heptacosane	380	C27H56	000593-49-7	78
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
4	Tetradecane	198	C14H30	000629-59-4	72
5	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

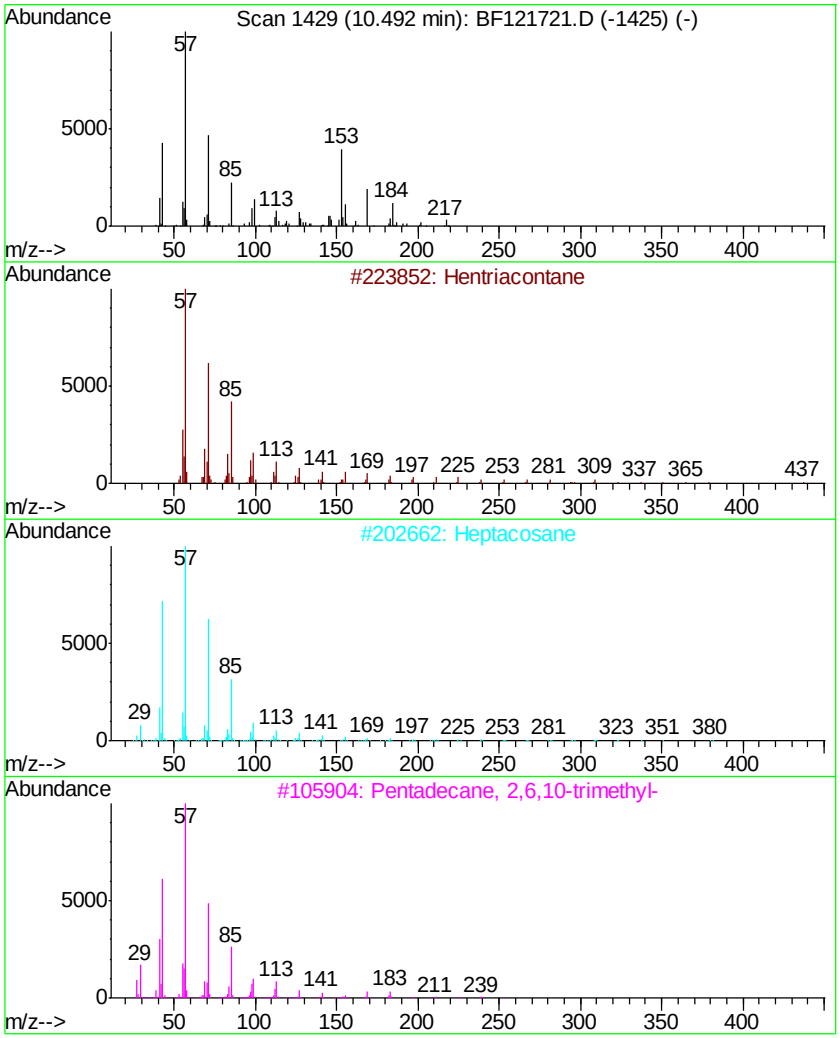
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

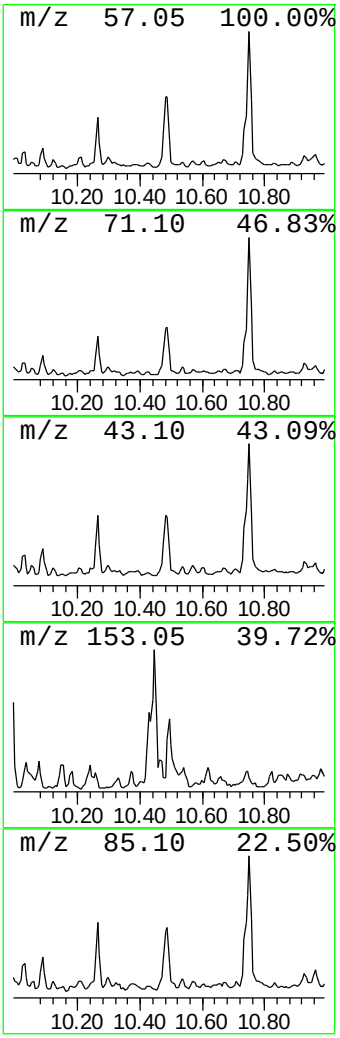
****

Peak Number 3 Hentriacontane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	2.62 ng	194320	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	80
2	Heptacosane	380	C27H56	000593-49-7	78
3	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	78
4	Tridecane, 5-propyl-	226	C16H34	055045-11-9	78
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

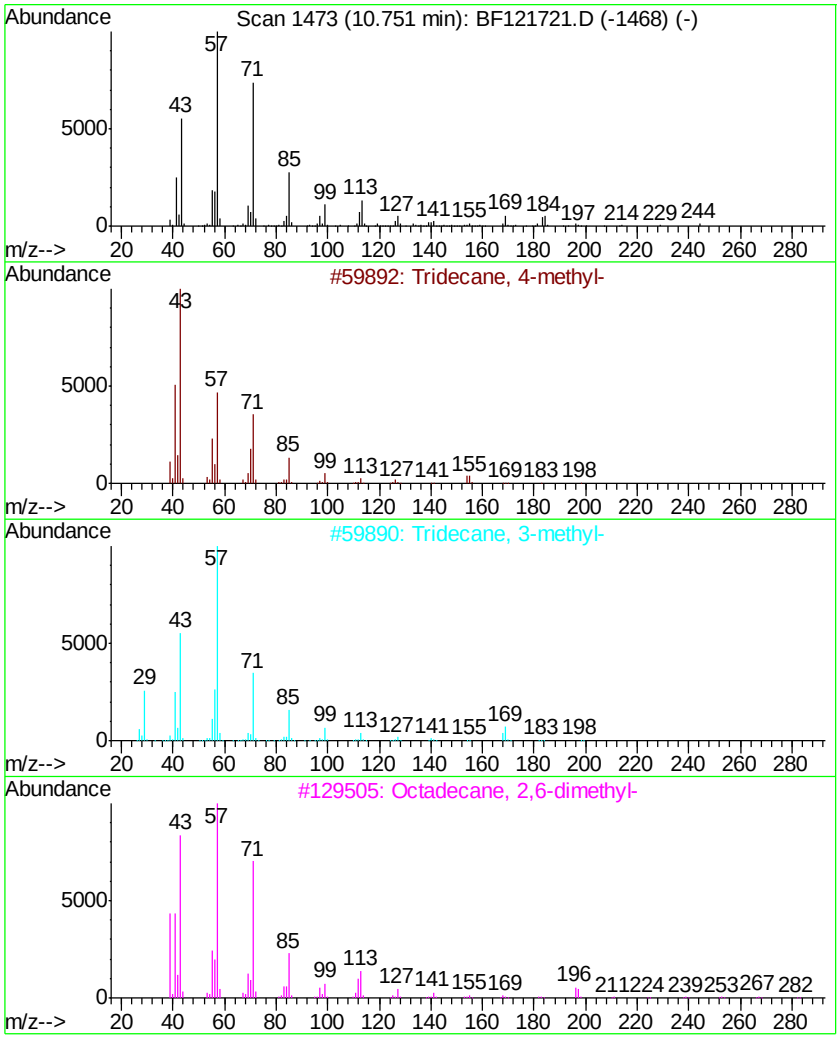
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

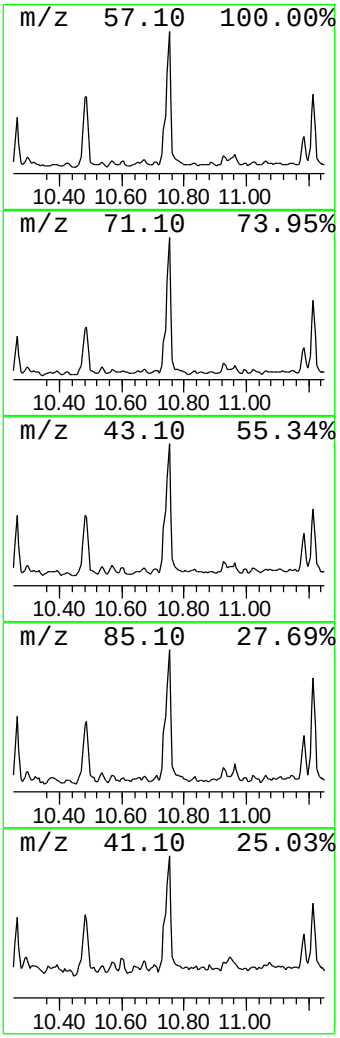
****

Peak Number 4 Tridecane, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	9.25 ng	559574	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 4-methyl-	198	C14H30	026730-12-1	83
2	Tridecane, 3-methyl-	198	C14H30	006418-41-3	76
3	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	72
4	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	64
5	Sulfurous acid, 2-ethylhexyl pen...	404	C23H48O3S	1000309-19-8	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

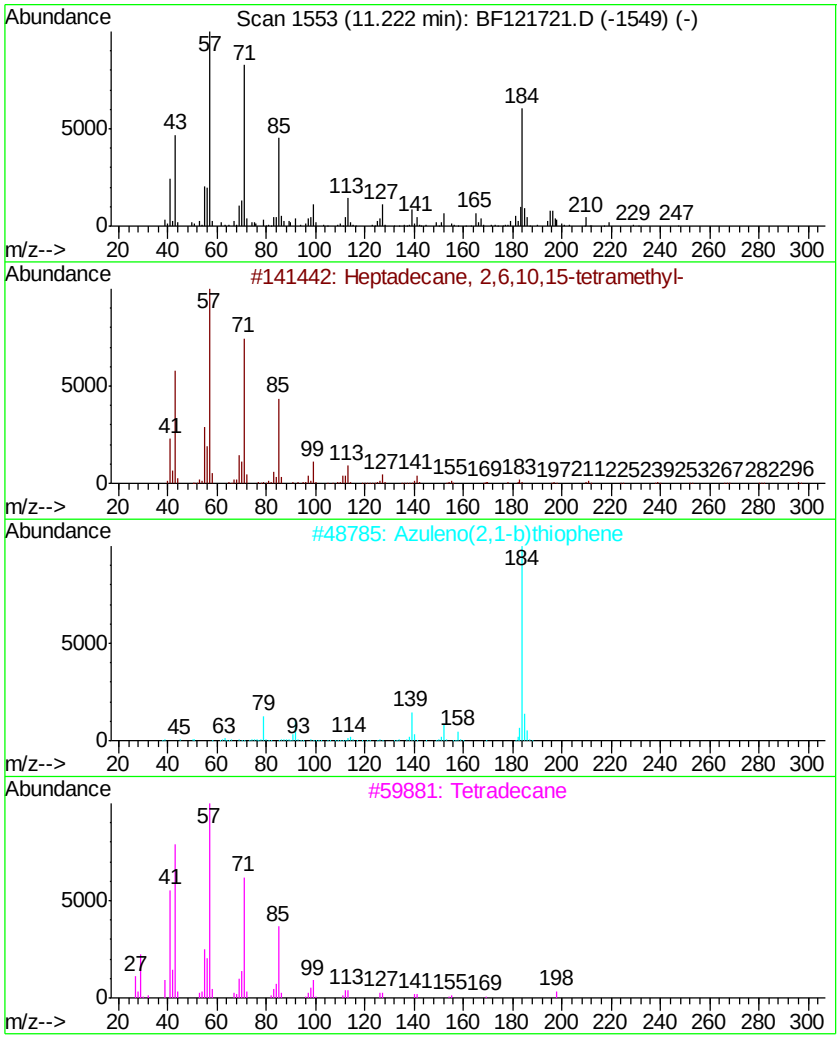
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

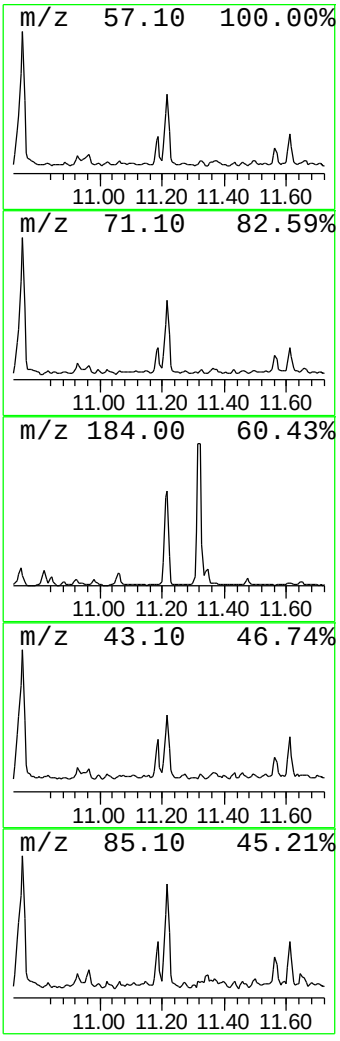
****

Peak Number 5 unknown11.22 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	6.19 ng	374179	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	46
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	46
3	Tetradecane	198	C14H30	000629-59-4	45
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	45
5	Hexadecane	226	C16H34	000544-76-3	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

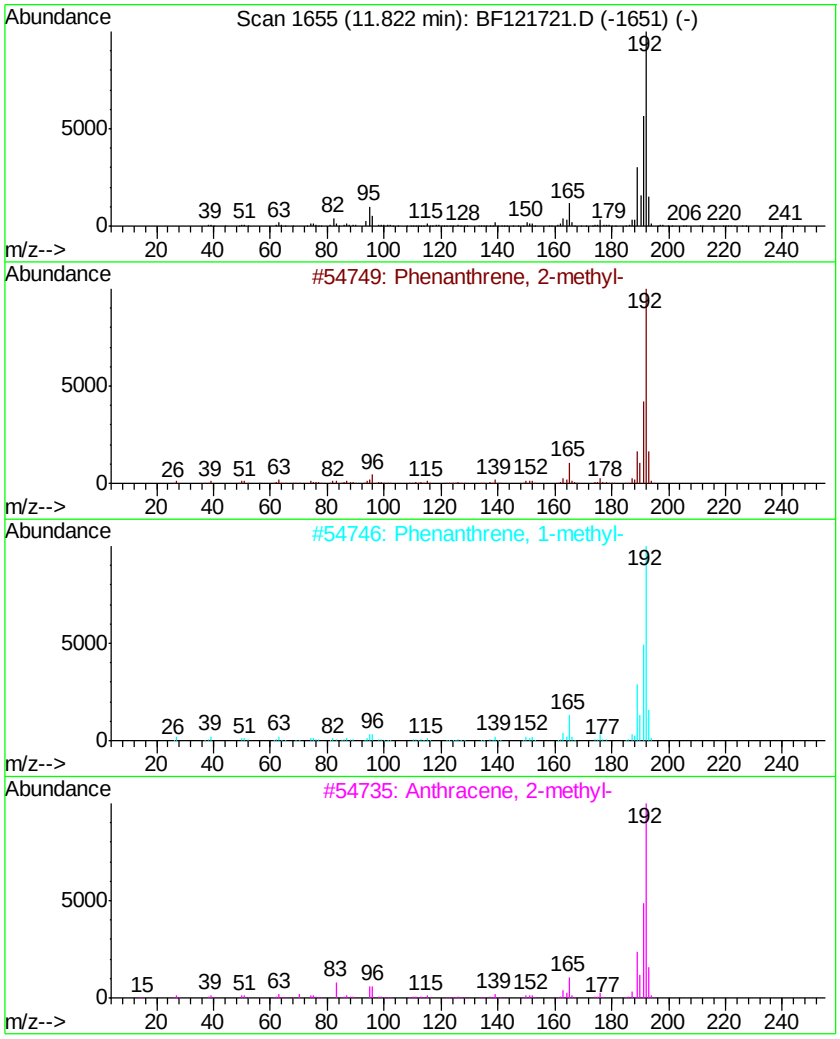
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

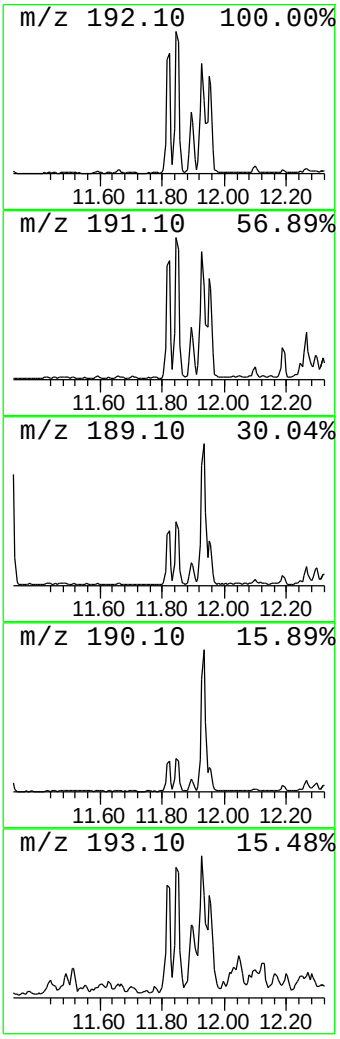
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	6.88 ng	416245	Phenanthrene-d10	11.32

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

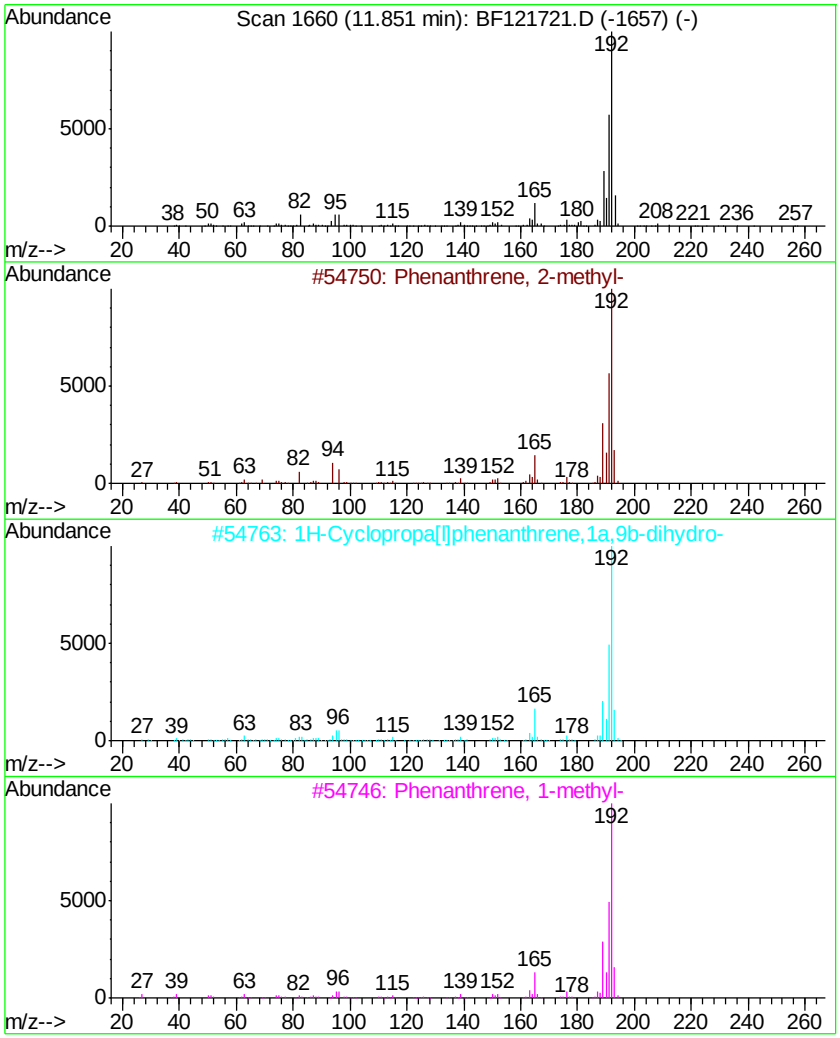
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

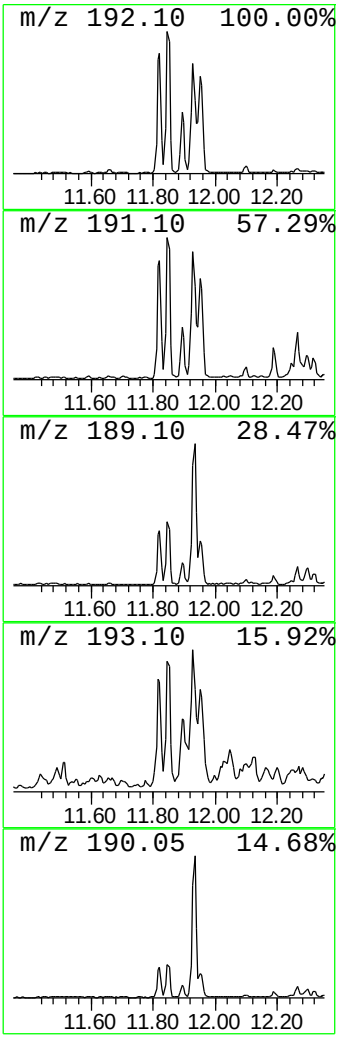
****

Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	7.74 ng	468042	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

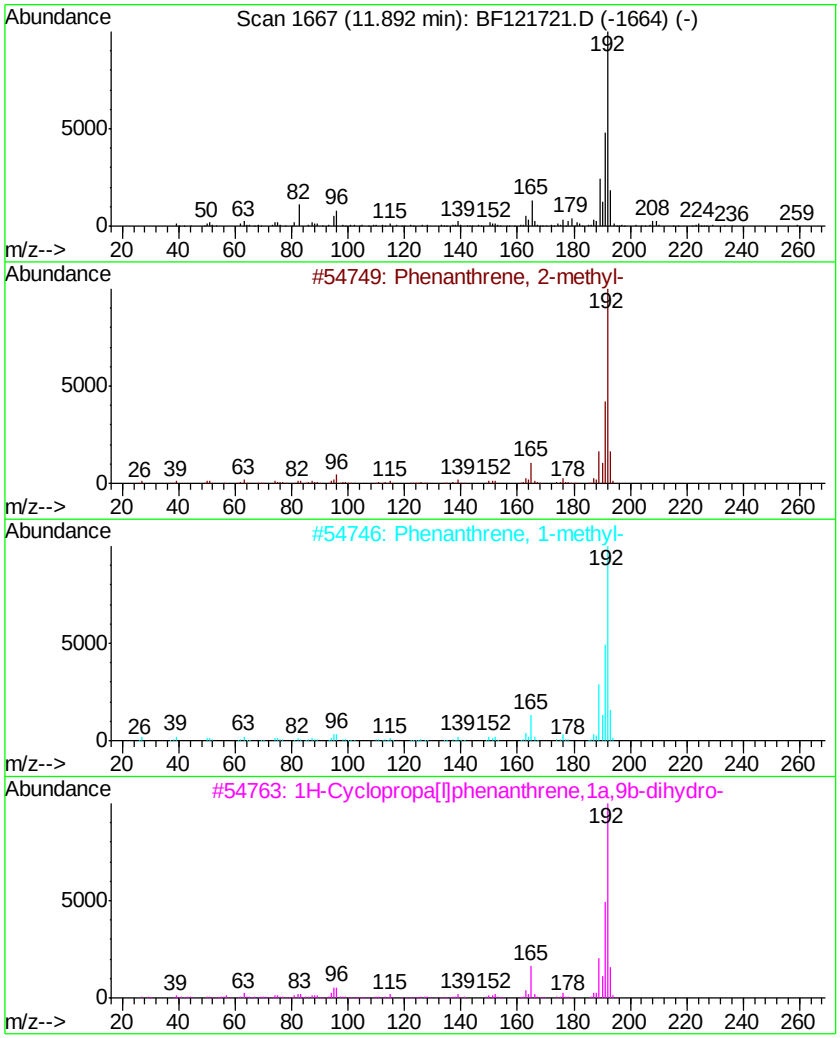
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

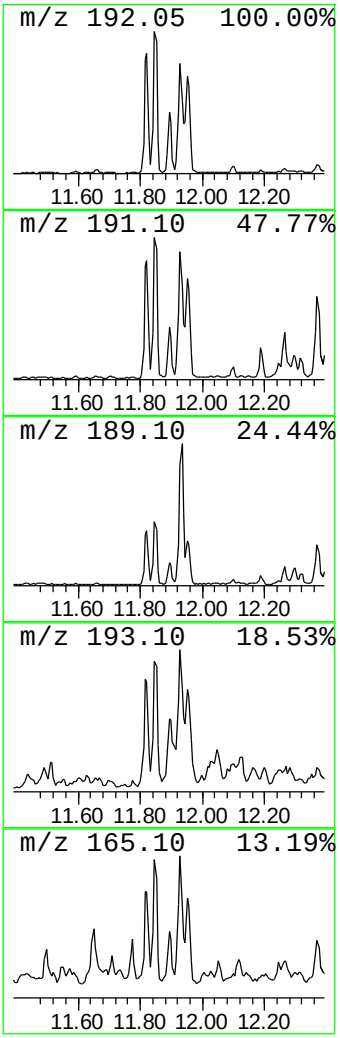
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	3.53 ng	213821	Phenanthrene-d10	11.32

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

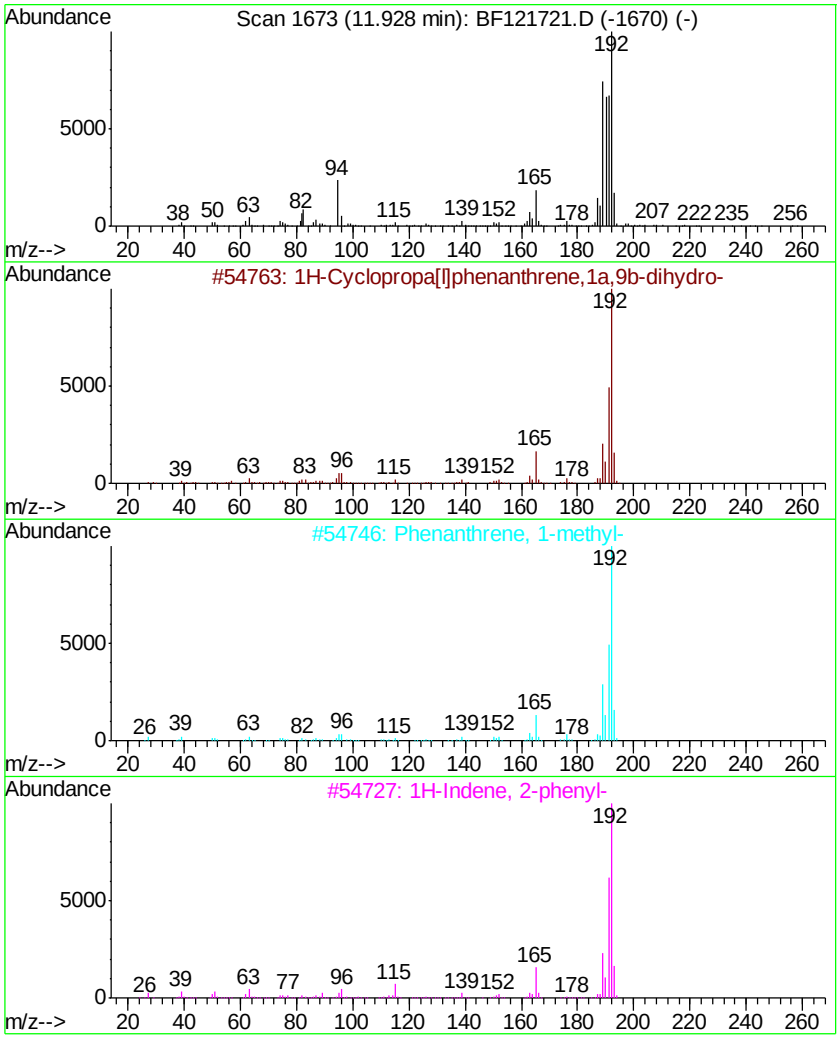
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

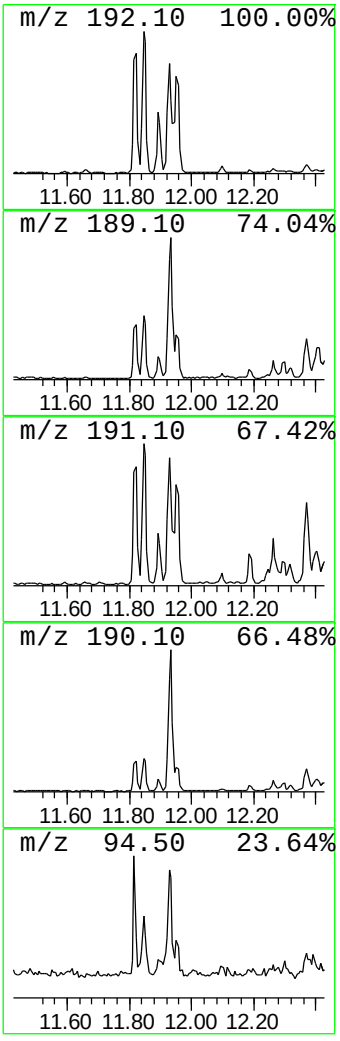
****

Peak Number 9 1H-Indene, 2-phenyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	11.66 ng	705299	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	86
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	50
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

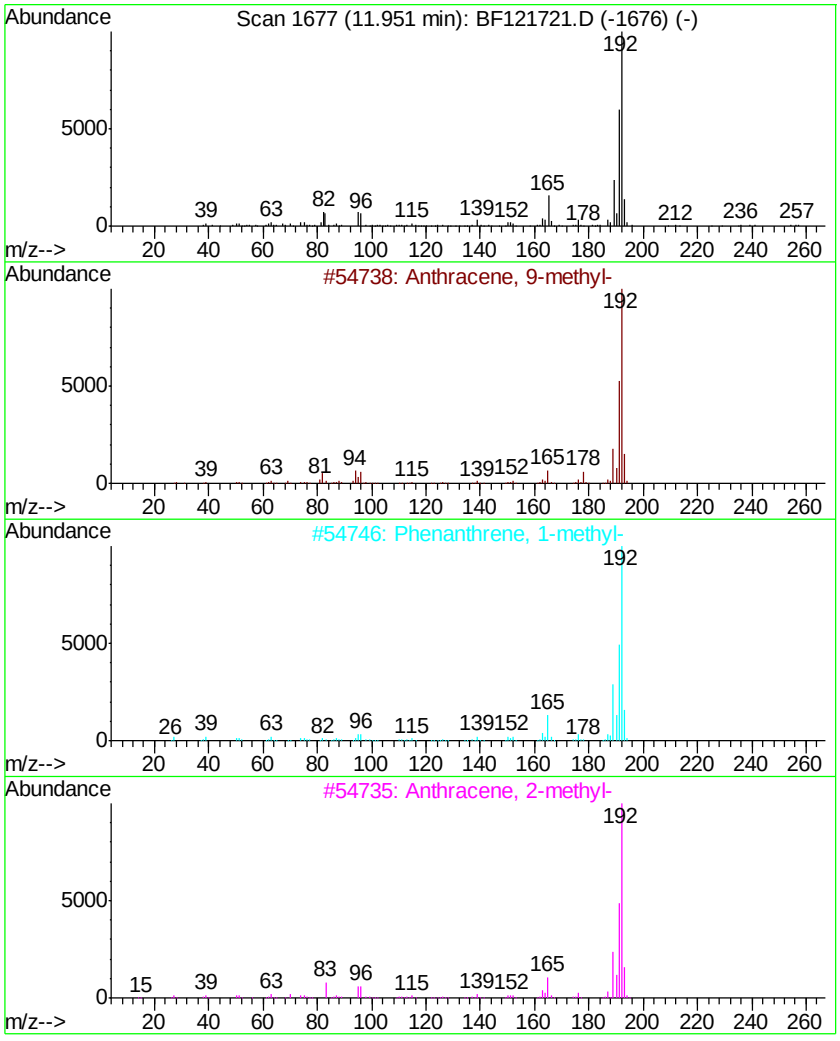
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

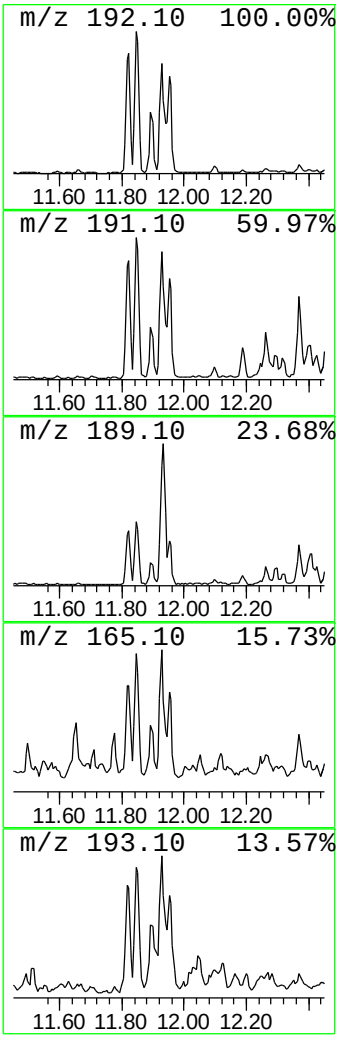
****

Peak Number 10 Anthracene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	4.35 ng	263097	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

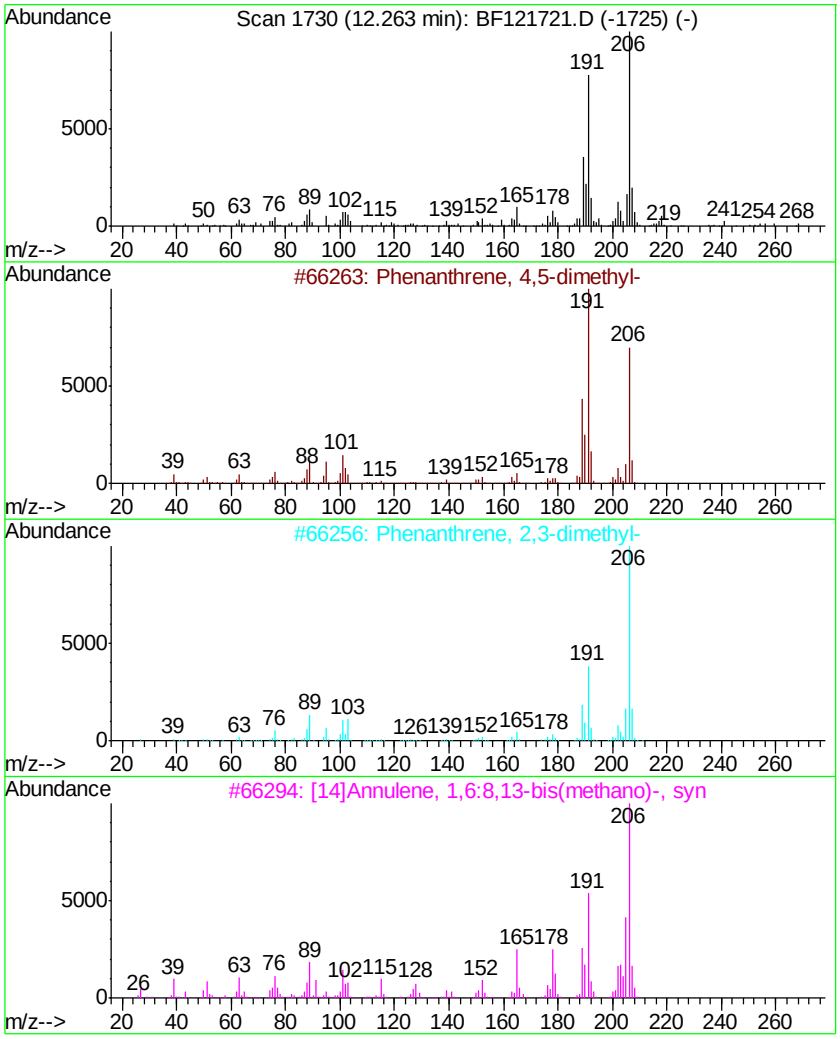
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

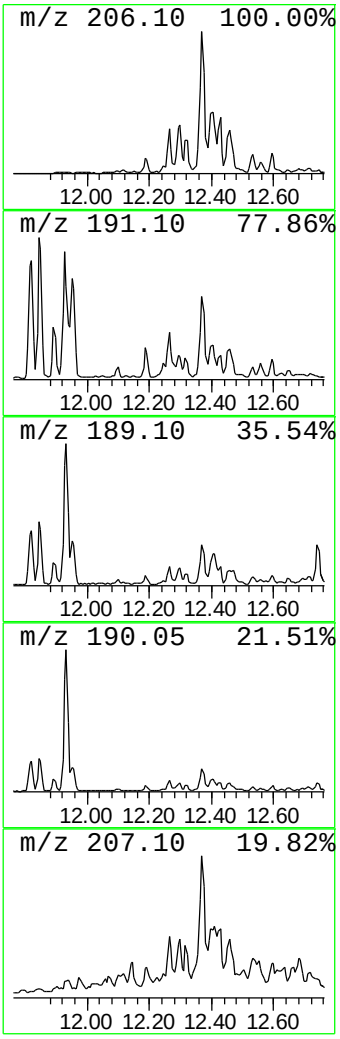
****

Peak Number 11 Phenanthrene, 4,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	2.97 ng	179681	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	90
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

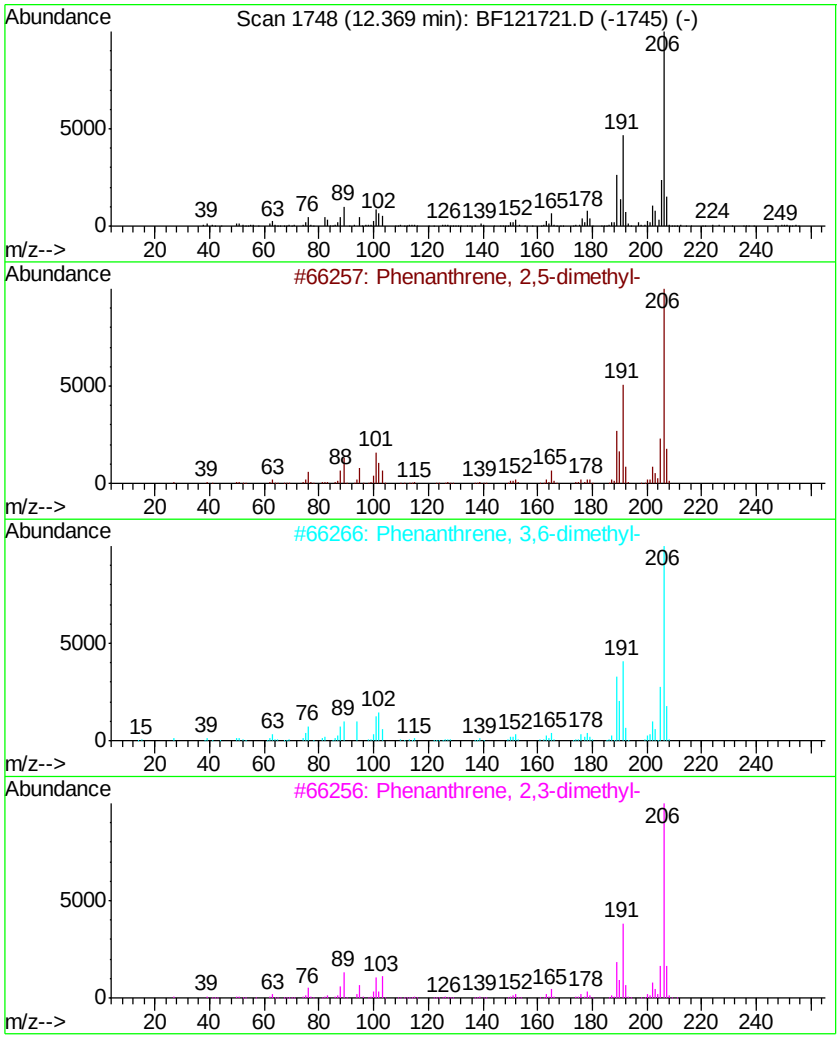
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

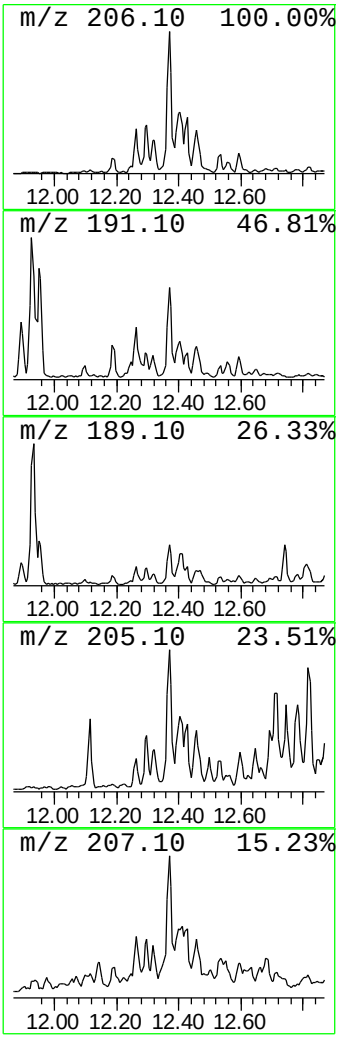
****

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	6.41 ng	387686	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

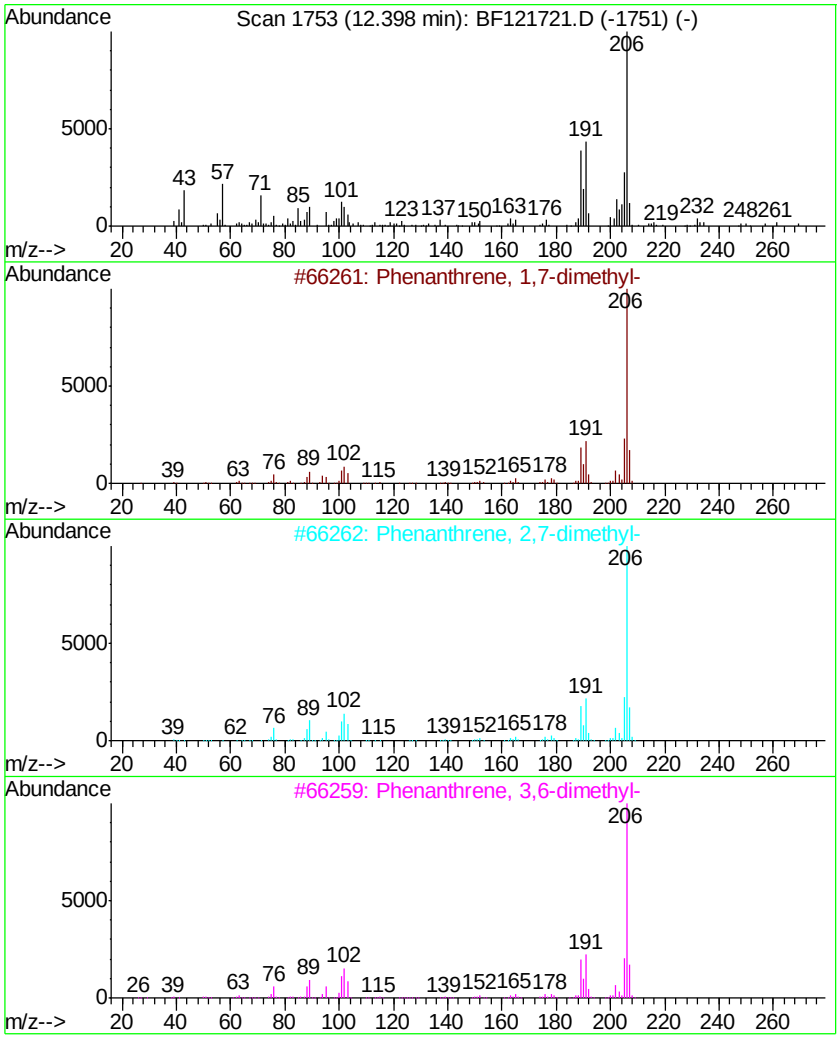
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

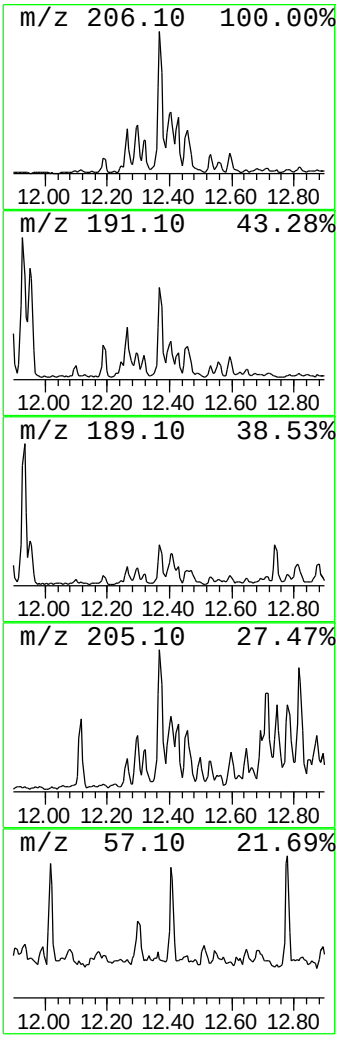
****

Peak Number 13 unknown12.40 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	5.28 ng	319158	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	43
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	43
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	43
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	38
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

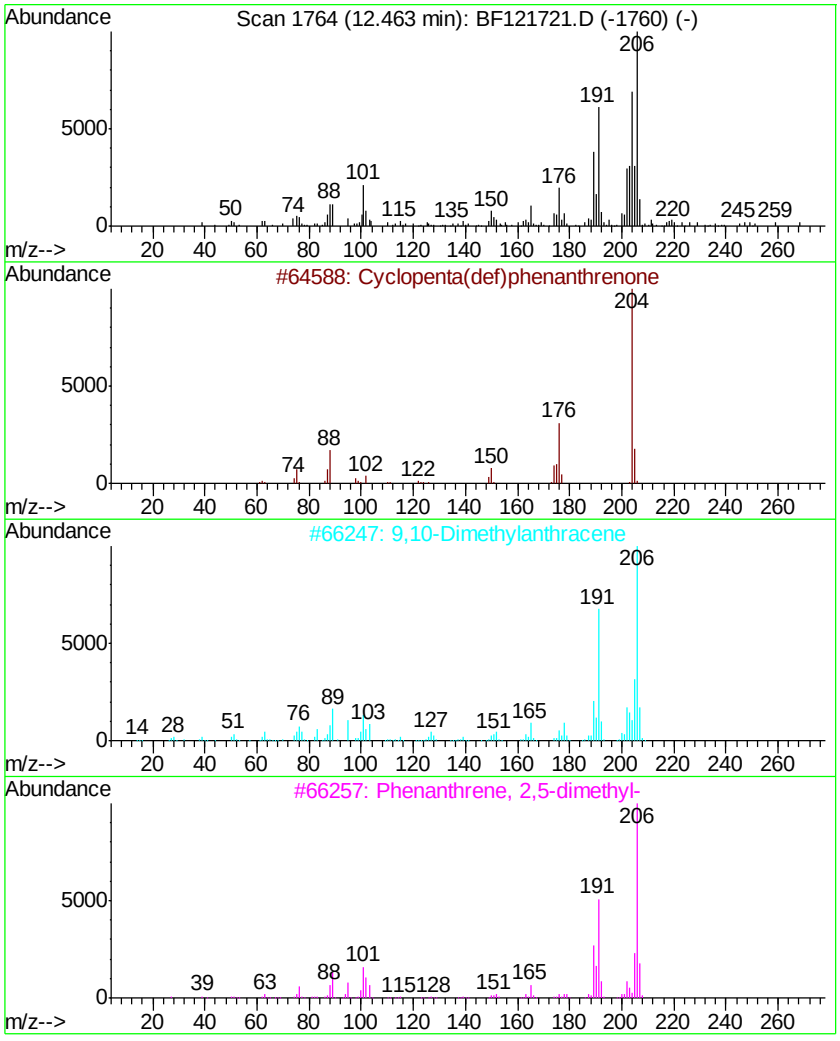
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

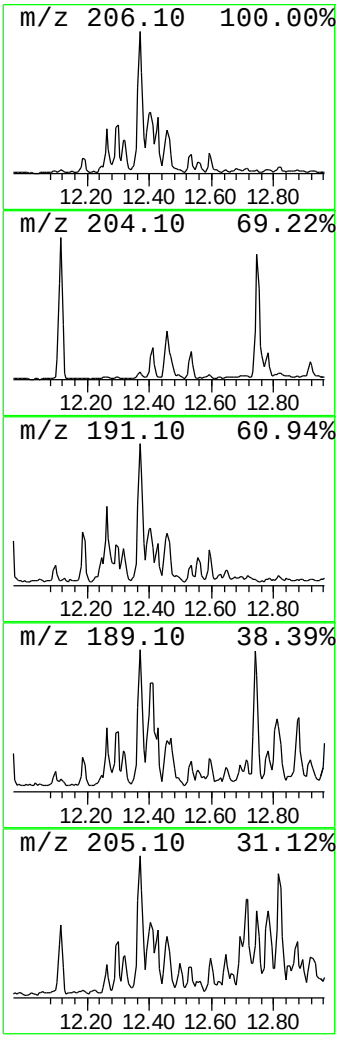
****

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	3.79 ng	229270	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	50
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

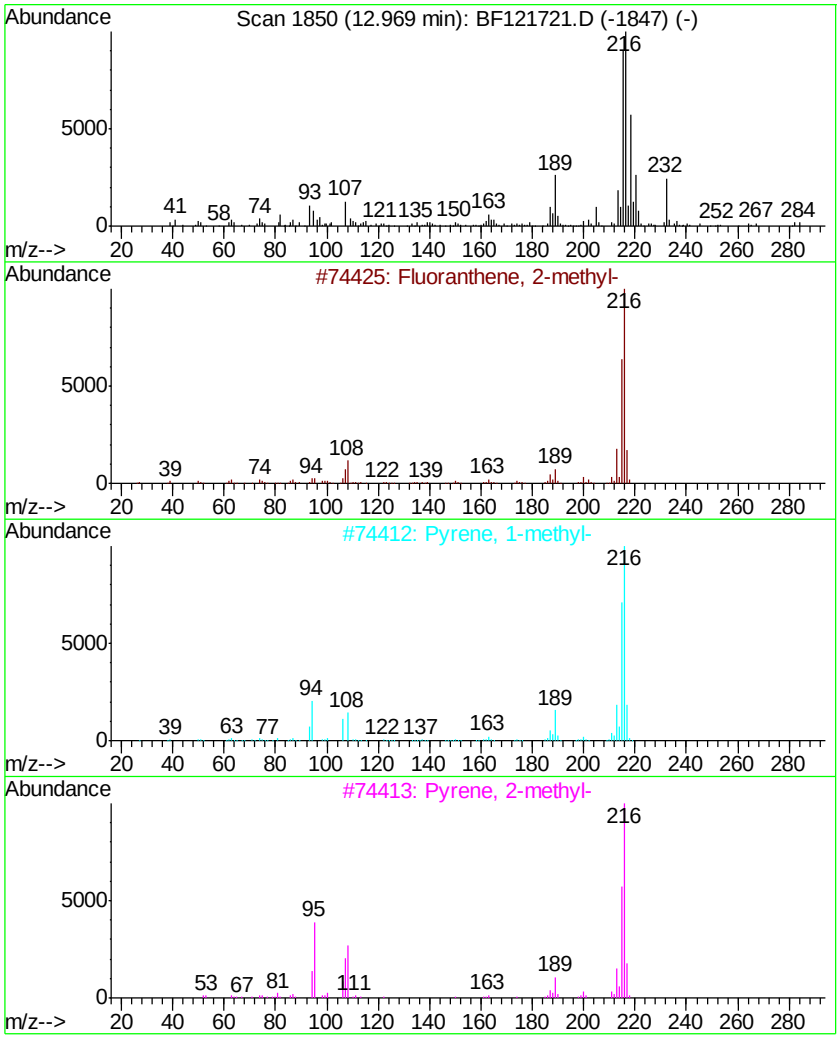
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

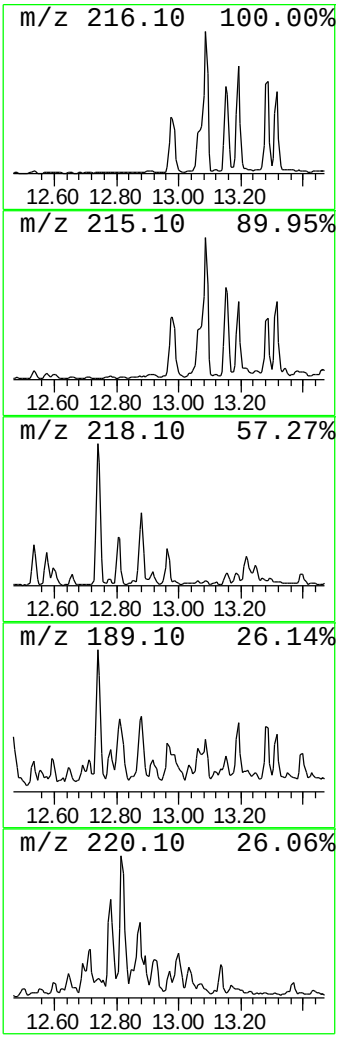
****

Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	2.91 ng	283792	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

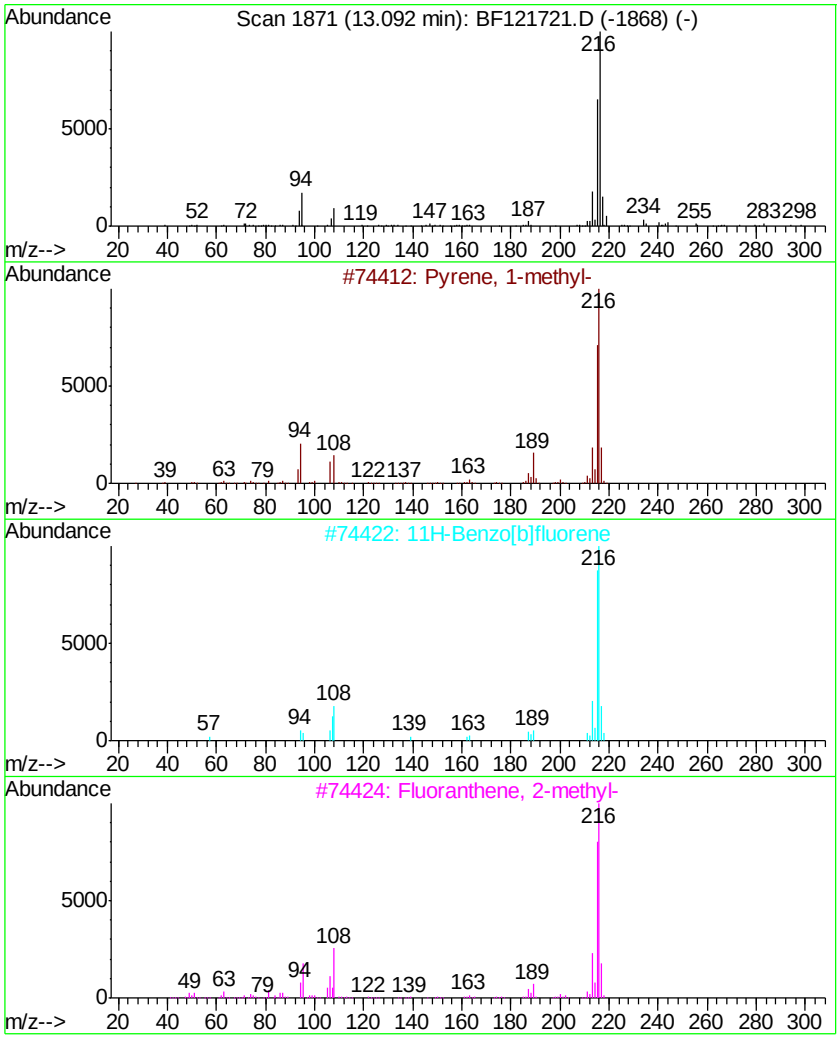
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

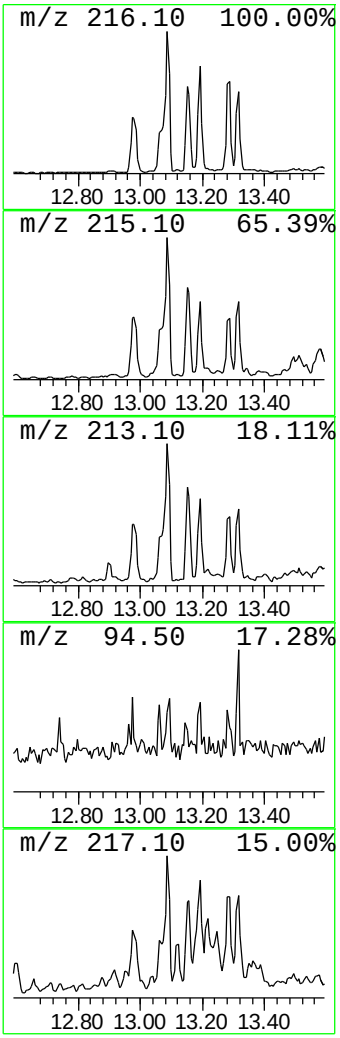
****

Peak Number 16 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	3.05 ng	297113	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

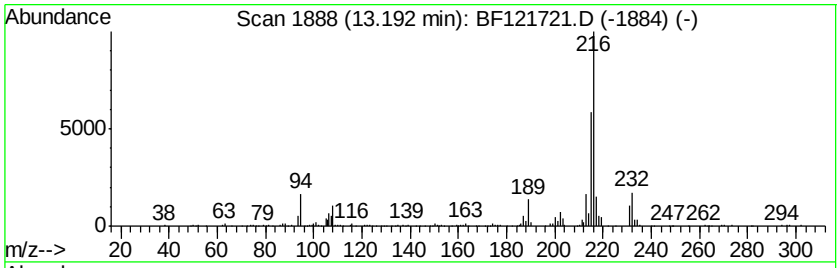
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

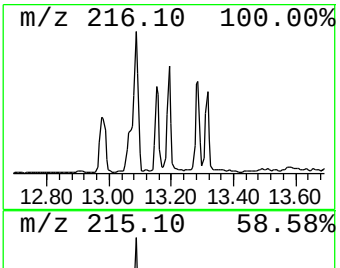
****

Peak Number 17 Pyrene, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	2.74 ng	267520	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	95
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

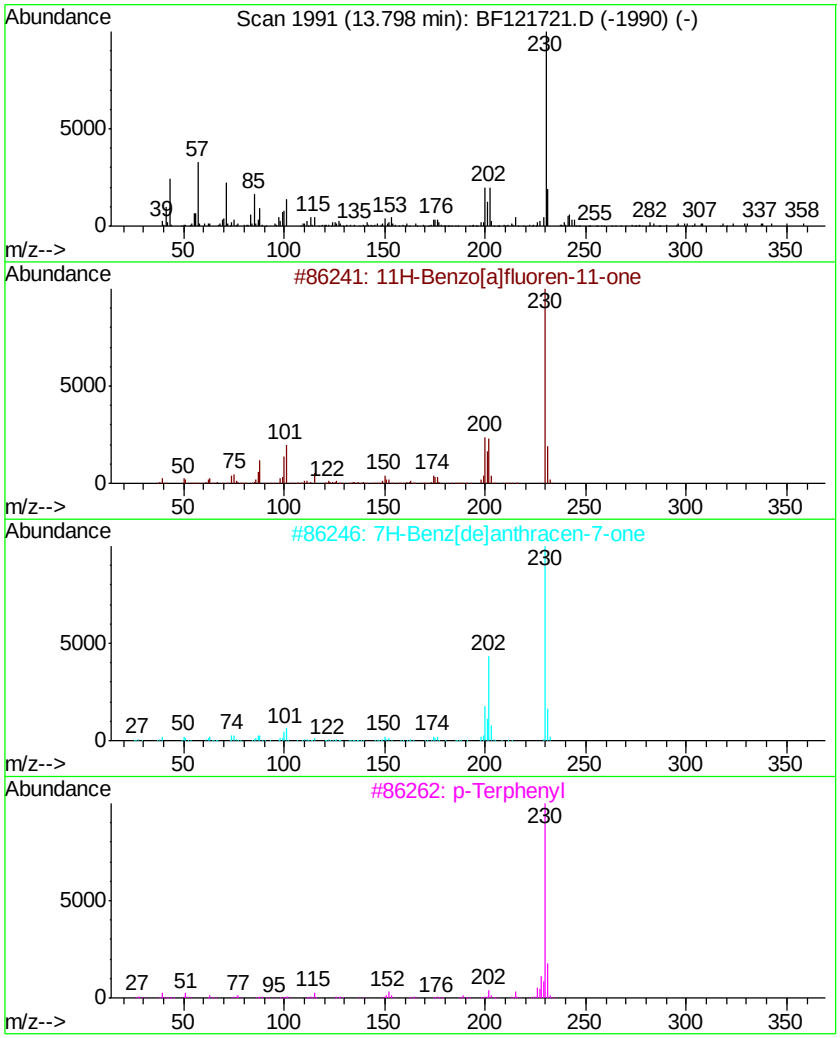
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

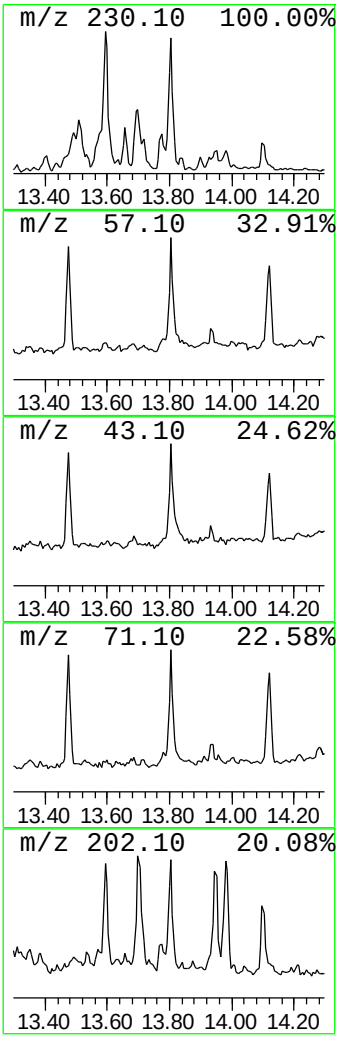
****

Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	3.36 ng	328191	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	89
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
3	p-Terphenyl	230	C18H14	000092-94-4	43
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	43
5	Hexadecane	226	C16H34	000544-76-3	40





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

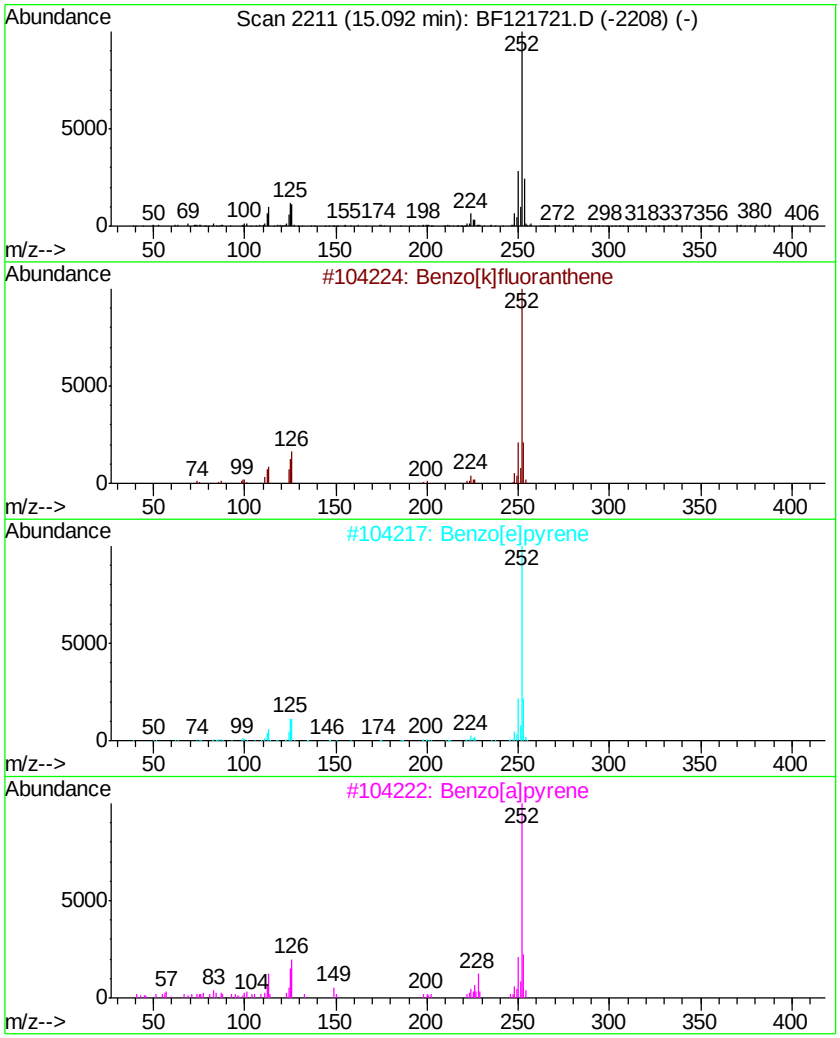
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

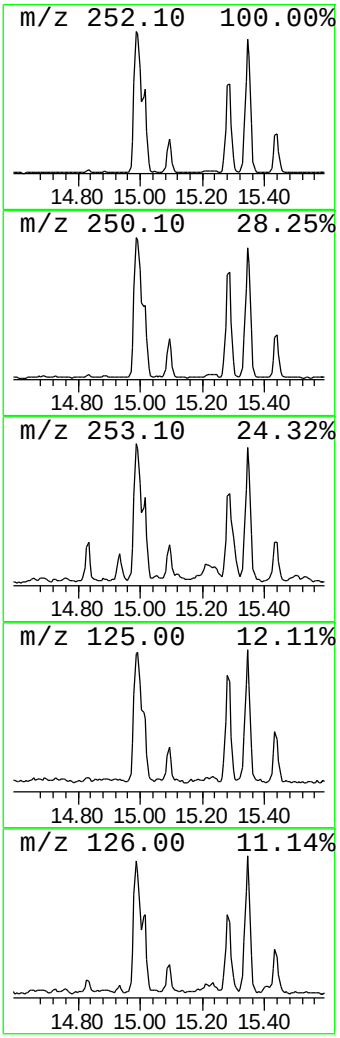
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	2.93 ng	144078	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
2	Benzo[e]pyrene	252	C20H12	000192-97-2	91
3	Benzo[a]pyrene	252	C20H12	000050-32-8	87
4	Perylene	252	C20H12	000198-55-0	87
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

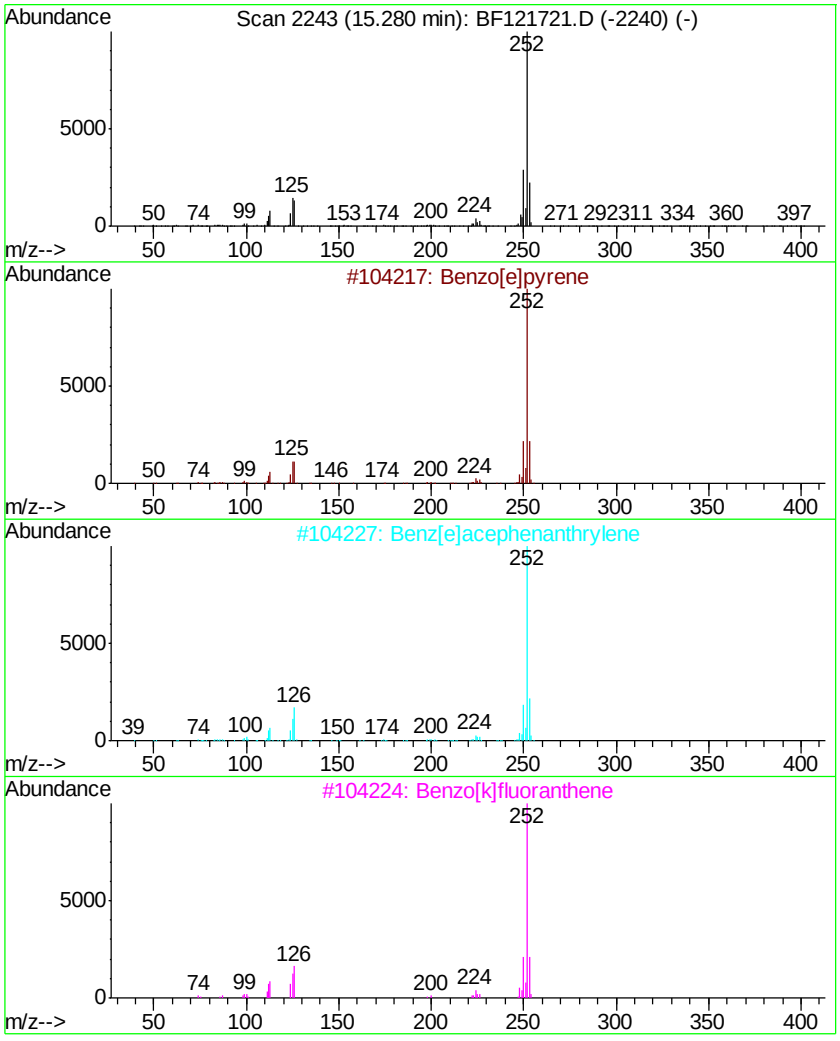
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

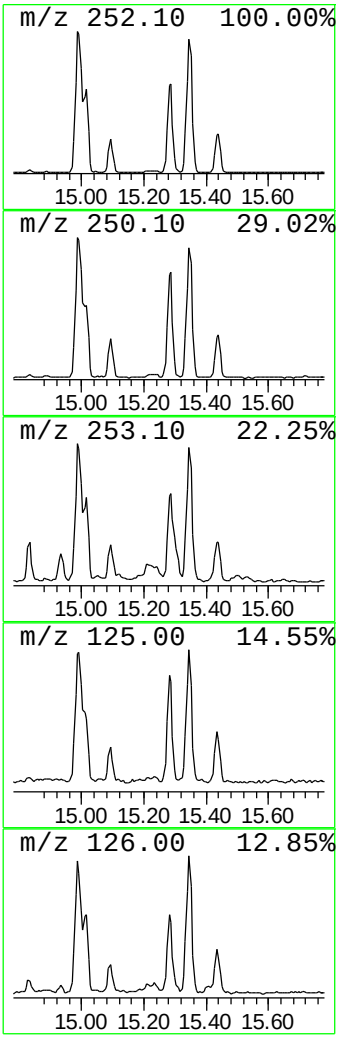
****

Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	10.99 ng	539736	Perylene-d12	15.41

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092820\
Data File : BF121721.D
Acq On : 28 Sep 2020 19:45
Operator : JU/CG
Sample : L4154-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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
Sulfurous acid, d...	9.23	4.5	ng	335564	3	9.83	1483600	20.0
Eicosane	9.56	4.7	ng	345127	3	9.83	1483600	20.0
Hentriacontane	10.49	2.6	ng	194320	3	9.83	1483600	20.0
Tridecane, 4-methyl-	10.75	9.3	ng	559574	4	11.32	1209890	20.0
unknown11.22	11.22	6.2	ng	374179	4	11.32	1209890	20.0
Phenanthrene, 2-m...	11.82	6.9	ng	416245	4	11.32	1209890	20.0
1H-Cyclopropa[l]p...	11.85	7.7	ng	468042	4	11.32	1209890	20.0
Phenanthrene, 1-m...	11.89	3.5	ng	213821	4	11.32	1209890	20.0
1H-Indene, 2-phenyl-	11.93	11.7	ng	705299	4	11.32	1209890	20.0
Anthracene, 9-met...	11.95	4.3	ng	263097	4	11.32	1209890	20.0
Phenanthrene, 4,5...	12.26	3.0	ng	179681	4	11.32	1209890	20.0
Phenanthrene, 2,5...	12.37	6.4	ng	387686	4	11.32	1209890	20.0
unknown12.40	12.40	5.3	ng	319158	4	11.32	1209890	20.0
Cyclopenta(def)ph...	12.46	3.8	ng	229270	4	11.32	1209890	20.0
Fluoranthene, 2-m...	12.97	2.9	ng	283792	5	13.96	1950790	20.0
Pyrene, 1-methyl-	13.09	3.0	ng	297113	5	13.96	1950790	20.0
Pyrene, 4-methyl-	13.19	2.7	ng	267520	5	13.96	1950790	20.0
11H-Benzo[a]fluor...	13.80	3.4	ng	328191	5	13.96	1950790	20.0
Benzo[e]pyrene	15.09	2.9	ng	144078	6	15.41	981858	20.0
Perylene	15.28	11.0	ng	539736	6	15.41	981858	20.0