LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121713.D
Acq On : 28 Sep 2020 15:38
Operator : JU/CG
Sample : L4160-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11976

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	5.416	562	566	580	rBV	3296634	3187686	36.13%	3.216%
2	6.434	734	739	742	rBV	3209936	3259741	36.95%	3.289%
3	6.792	797	800	804	rBV	1226639	984121	11.16%	0.993%
4	7.357	891	896	899	rBV	2189018	2318451	26.28%	2.339%
5	8.075	1012	1018	1021	rBV	1371618	1310597	14.86%	1.322%
6	8.786	1134	1139	1143	rBV	176198	164983	1.87%	0.166%
7	9.151	1196	1201	1205	rBV	4093558	4147910	47.02%	4.185%
8	9.410	1240	1245	1250	rBV	77268	114490	1.30%	0.116%
9	9.486	1255	1258	1261	rVV	134315	136066	1.54%	0.137%
10	9.545	1265	1268	1272	rVV	741001	627480	7.11%	0.633%
11	9.692	1289	1293	1296	rVB	193065	178898	2.03%	0.181%
12	9.828	1310	1316	1319	rBV	1650726	1563696	17.72%	1.578%
13	9.863	1319	1322	1325	rVB	506690	430946	4.88%	0.435%
14	9.986	1338	1343	1345	rBV	114588	114060	1.29%	0.115%
15	10.033	1347	1351	1354	rVV	613994	517867	5.87%	0.523%
16	10.069	1354	1357	1364	rVB	110910	117005	1.33%	0.118%
17	10.145	1364	1370	1373	rBV2	134884	143063	1.62%	0.144%
18	10.375	1406	1409	1415	rVB	1364384	1227704	13.92%	1.239%
19	10.457	1422	1423	1426	rVB2	161037	128551	1.46%	0.130%
20	10.533	1433	1436	1440	rVB	405719	329246	3.73%	0.332%
21	10.622	1444	1451	1454	rVV	3060792	3003193	34.04%	3.030%
22	10.727	1466	1469	1470	rBV	289540	238568	2.70%	0.241%
23	10.927	1496	1503	1505	rBV4	348103	489006	5.54%	0.493%
24	10.951	1505	1507	1510	rVV2	191332	190573	2.16%	0.192%
25	11.004	1514	1516	1519	rVB2	191524	173441	1.97%	0.175%
26	11.051	1519	1524	1526	rBV3	340867	405195	4.59%	0.409%
27	11.074	1526	1528	1530	rVV	356787	318560	3.61%	0.321%
28	11.122	1533	1536	1540	rVV2	358983	383091	4.34%	0.387%
29	11.163	1540	1543	1548	rVV2	421400	580143	6.58%	0.585%
30	11.210	1548	1551	1557	rVB	671049	626253	7.10%	0.632%
31	11.316	1563	1569	1571	rBV	1555457	1790797	20.30%	1.807%
32	11.345	1571	1574	1577	rVV	4866143	5088525	57.68%	5.134%
33	11.398	1577	1583	1585	rVV	4300736	3915113	44.38%	3.950%
34	11.422	1585	1587	1590	rVV2	263065	292599	3.32%	0.295%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121713.D
Acq On : 28 Sep 2020 15:38
Operator : JU/CG
Sample : L4160-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11976

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	11.469	1593	1595	1597	rVV	167213	150792	1.71%	0.152%
36	11.545	1601	1608	1611	rVV	1101366	1190969	13.50%	1.202%
37	11.569	1611	1612	1617	rVV3	226618	251415	2.85%	0.254%
38	11.610	1617	1619	1623	rVV	478018	415587	4.71%	0.419%
39	11.645	1623	1625	1630	rVB3	244381	246555	2.79%	0.249%
40	11.816	1649	1654	1656	rBV	919866	848852	9.62%	0.856%
41	11.845	1656	1659	1663	rVV	1401182	1237503	14.03%	1.249%
42	11.892	1663	1667	1670	rVV	650826	616819	6.99%	0.622%
43	11.933	1670	1674	1681	rVB2	2140461	2757035	31.25%	2.782%
44	11.998	1681	1685	1687	rBV2	140193	151544	1.72%	0.153%
45	12.021	1687	1689	1691	rVV3	148670	122047	1.38%	0.123%
46	12.110	1701	1704	1707	rVV	884035	803948	9.11%	0.811%
47	12.139	1707	1709	1712	rVB	530675	412267	4.67%	0.416%
48	12.257	1724	1729	1732	rBV	305123	371597	4.21%	0.375%
49	12.292	1732	1735	1737	rVV	338970	295181	3.35%	0.298%
50	12.316	1737	1739	1742	rVB	252073	198759	2.25%	0.201%
51	12.363	1743	1747	1750	rBV	587109	681577	7.73%	0.688%
52	12.404	1750	1754	1756	rVV	449303	553185	6.27%	0.558%
53	12.457	1760	1763	1767	rBV	876073	966989	10.96%	0.976%
54	12.545	1770	1778	1781	rVV	6551584	8822158	100.00%	8.901%
55	12.574	1781	1783	1785	rVV	257117	264391	3.00%	0.267%
56	12.592	1785	1786	1789	rVV2	246808	169734	1.92%	0.171%
57	12.621	1789	1791	1794	rVB2	135033	122914	1.39%	0.124%
58	12.680	1794	1801	1805	rBV2	484111	718826	8.15%	0.725%
59	12.774	1809	1817	1820	rVB2	5108629	8135554	92.22%	8.209%
60	12.804	1820	1822	1827	rVB2	385129	439589	4.98%	0.444%
61	12.874	1830	1834	1836	rBV	659574	745191	8.45%	0.752%
62	12.904	1836	1839	1842	rVV	4475592	4128529	46.80%	4.166%
63	12.974	1845	1851	1855	rBV5	564141	1022376	11.59%	1.032%
64	13.063	1863	1866	1867	rBV2	455845	480424	5.45%	0.485%
65	13.086	1867	1870	1873	rVB	1456130	1299664	14.73%	1.311%
66	13.127	1873	1877	1878	rBV2	168723	193811	2.20%	0.196%
67	13.151	1878	1881	1884	rVB	1129800	933682	10.58%	0.942%
68	13.186	1884	1887	1890	rBV2	672959	736562	8.35%	0.743%
69	13.245	1895	1897	1900	rVB2	144980	114361	1.30%	0.115%
70	13.280	1900	1903	1905	rBV	348712	271127	3.07%	0.274%
71	13.310	1905	1908	1912	rBV2	354429	353256	4.00%	0.356%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121713.D
Acq On : 28 Sep 2020 15:38
Operator : JU/CG
Sample : L4160-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11976

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	13.468	1931	1935	1936	rBV4	164081	186798	2.12%	0.188%
73	13.563	1948	1951	1953	rBV	163457	171456	1.94%	0.173%
74	13.592	1953	1956	1960	rVB	399989	422904	4.79%	0.427%
75	13.698	1970	1974	1977	rBV2	498425	581423	6.59%	0.587%
76	13.727	1977	1979	1981	rVV	531926	493646	5.60%	0.498%
77	13.751	1981	1983	1989	rVV3	390186	655124	7.43%	0.661%
78	13.798	1989	1991	2001	rVV2	1470298	1905746	21.60%	1.923%
79	13.868	2001	2003	2009	rVB	139769	186666	2.12%	0.188%
80	13.951	2010	2017	2020	rBV2	2466924	4063017	46.05%	4.099%
81	13.980	2020	2022	2027	rVB	1996645	1947509	22.08%	1.965%
82	14.057	2033	2035	2037	rBV	306148	227583	2.58%	0.230%
83	14.168	2052	2054	2055	rBV2	119081	117172	1.33%	0.118%
84	14.339	2080	2083	2086	rVB	343594	289364	3.28%	0.292%
85	14.374	2086	2089	2092	rVB2	213504	221870	2.51%	0.224%
86	14.433	2095	2099	2103	rBV3	647049	932260	10.57%	0.941%
87	14.580	2122	2124	2128	rBV3	84853	117112	1.33%	0.118%
88	14.721	2146	2148	2151	rVB2	195826	176740	2.00%	0.178%
89	14.757	2152	2154	2158	rVB2	148340	144450	1.64%	0.146%
90	14.986	2188	2193	2196	rBV	1000027	1614520	18.30%	1.629%
91	15.051	2201	2204	2207	rVB2	198519	214216	2.43%	0.216%
92	15.086	2207	2210	2216	rBV2	341330	434118	4.92%	0.438%
93	15.280	2239	2243	2248	rVB	517627	657917	7.46%	0.664%
94	15.339	2249	2253	2258	rVV2	704649	907738	10.29%	0.916%
95	15.398	2259	2263	2267	rVV	793200	1171932	13.28%	1.182%
96	15.427	2267	2268	2275	rVB2	249930	247905	2.81%	0.250%
97	15.845	2336	2339	2344	rVB2	123895	177098	2.01%	0.179%
98	15.909	2346	2350	2354	rBV3	150458	297781	3.38%	0.300%
99	16.815	2500	2504	2510	rBV2	240702	415718	4.71%	0.419%
100	17.251	2572	2578	2586	rVB	195007	408188	4.63%	0.412%

Sum of corrected areas: 99110359

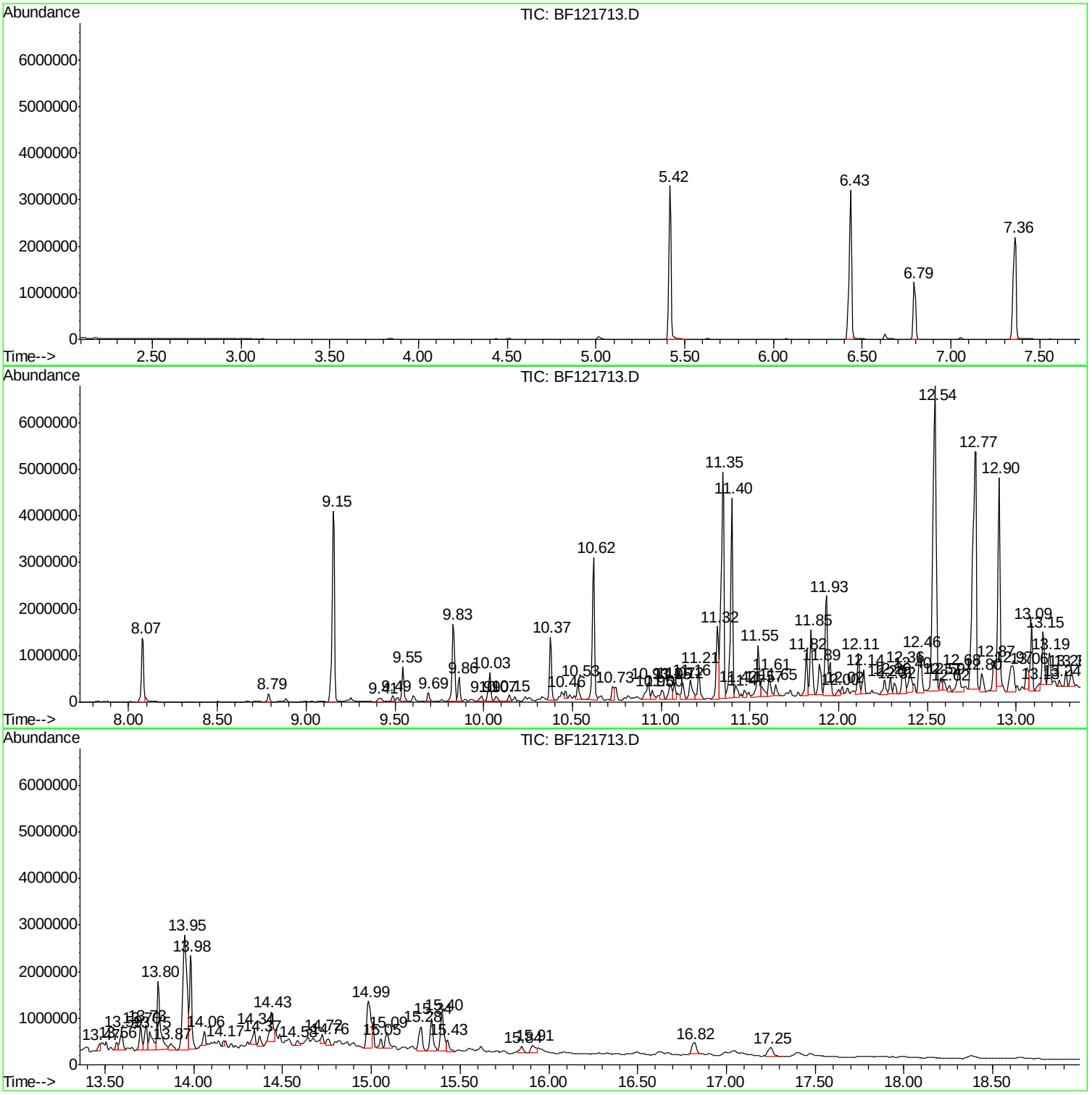
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121713.D
Acq On : 28 Sep 2020 15:38
Operator : JU/CG
Sample : L4160-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11976

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 : BF121713.D
Acq On : 28 Sep 2020 15:38
Operator : JU/CG
Sample : L4160-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11976

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

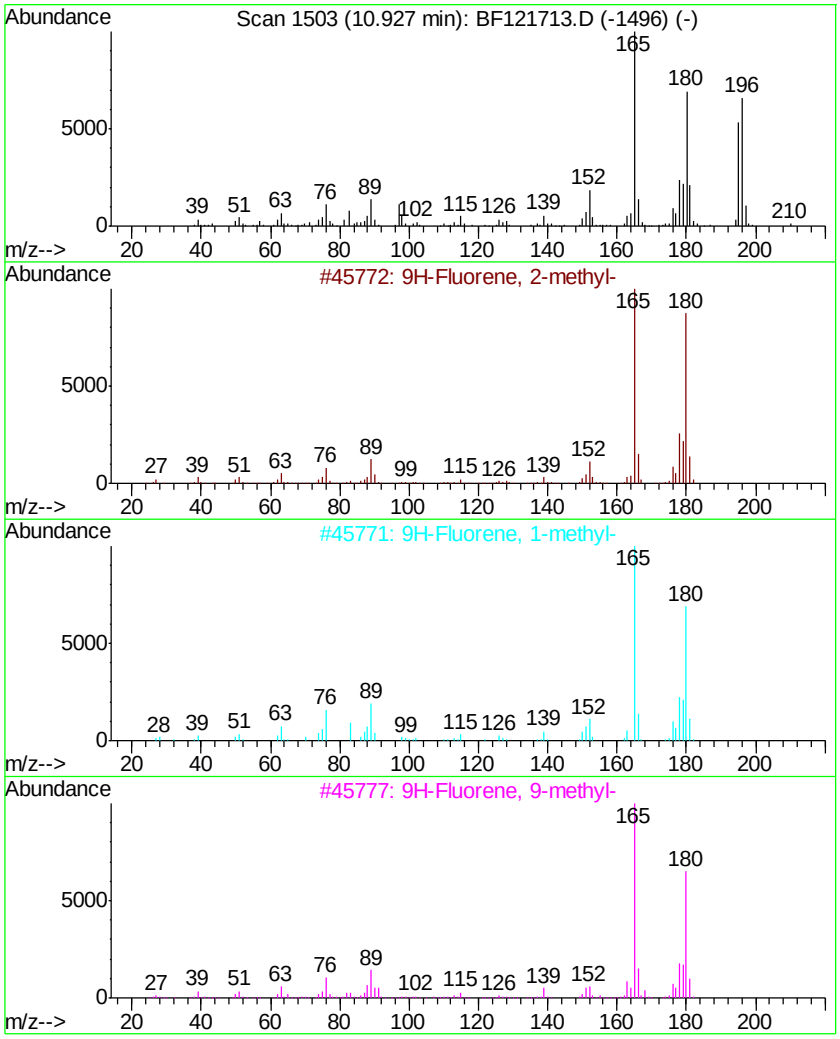
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

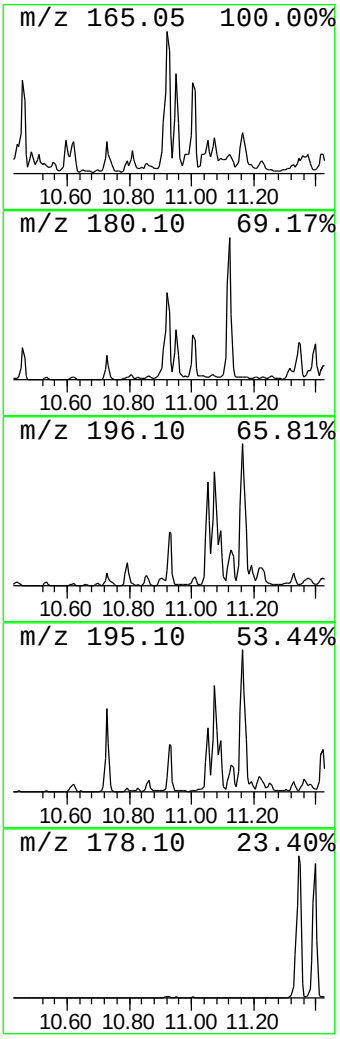
****

Peak Number 1 9H-Fluorene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	5.46 ng	489006	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	55
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121713.D
Acq On : 28 Sep 2020 15:38
Operator : JU/CG
Sample : L4160-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11976

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

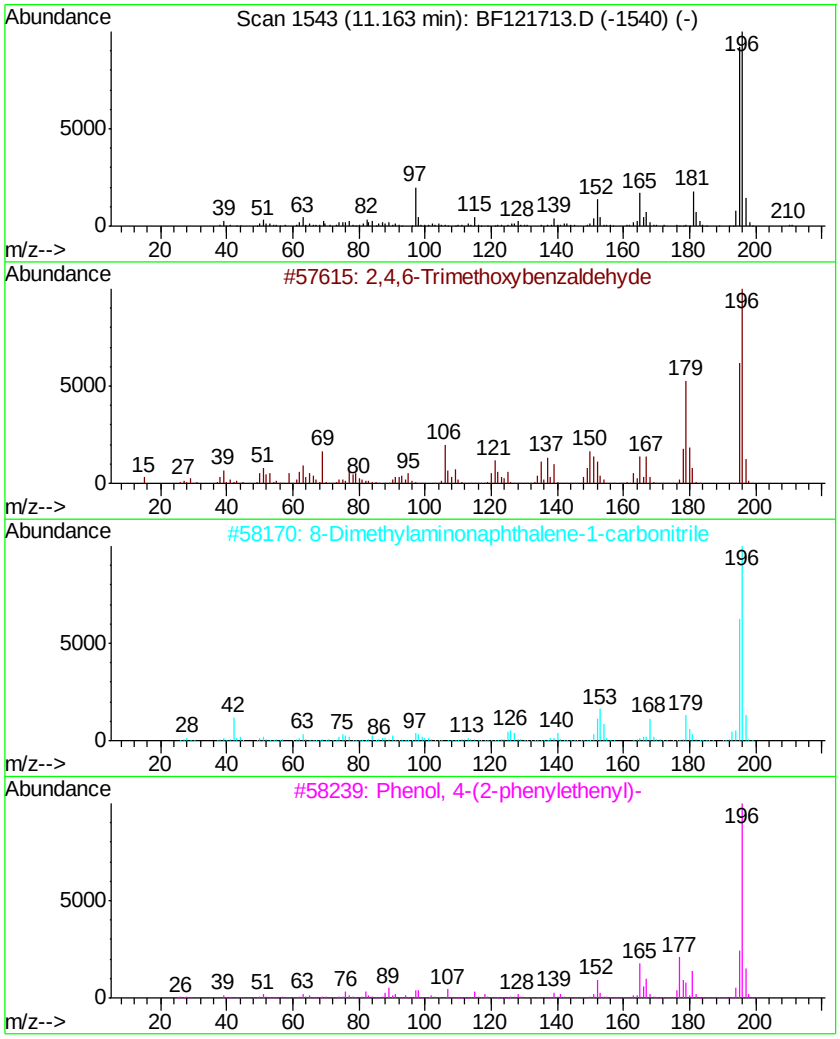
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

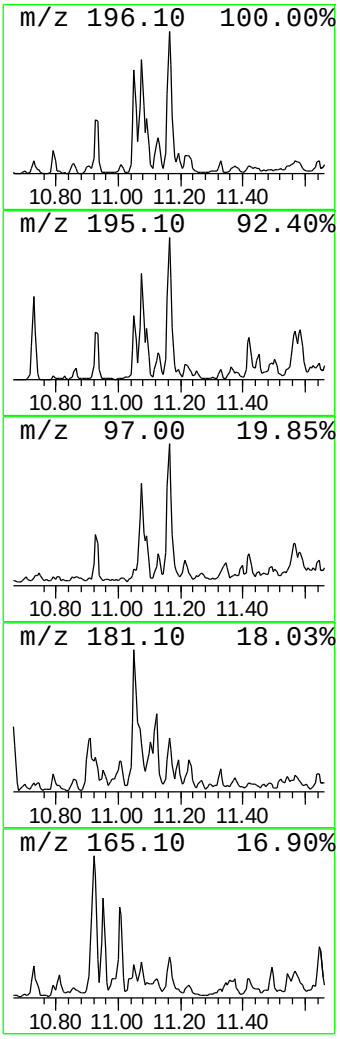
****

Peak Number 2 2,4,6-Trimethoxybenzaldehyde Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	6.48 ng	580143	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	80
2	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58
5	7-Methoxy-piperonylicacid	196	C9H8O5	000526-34-1	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121713.D
Acq On : 28 Sep 2020 15:38
Operator : JU/CG
Sample : L4160-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11976

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

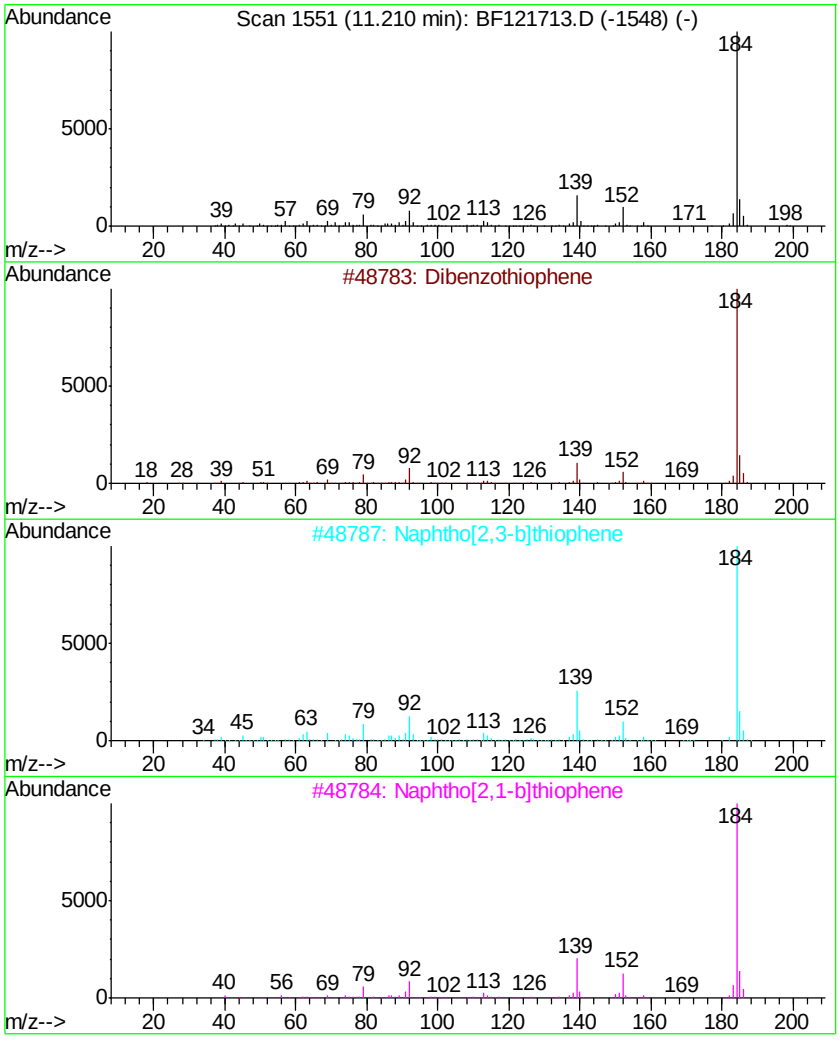
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

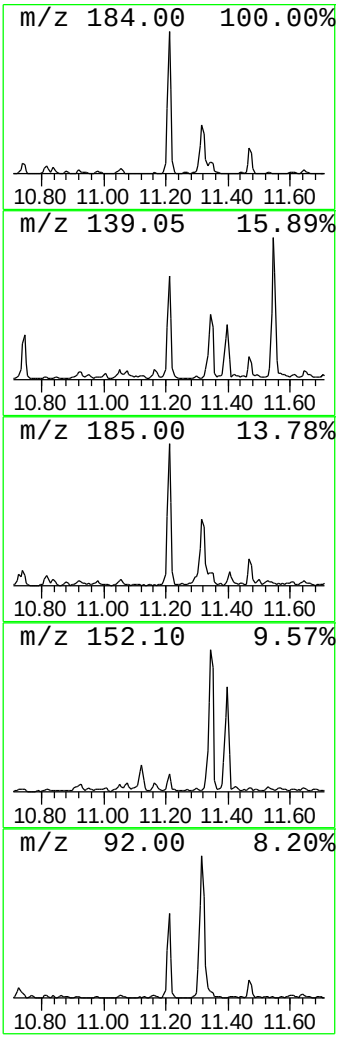
****

Peak Number 3 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	6.99 ng	626253	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121713.D
Acq On : 28 Sep 2020 15:38
Operator : JU/CG
Sample : L4160-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11976

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

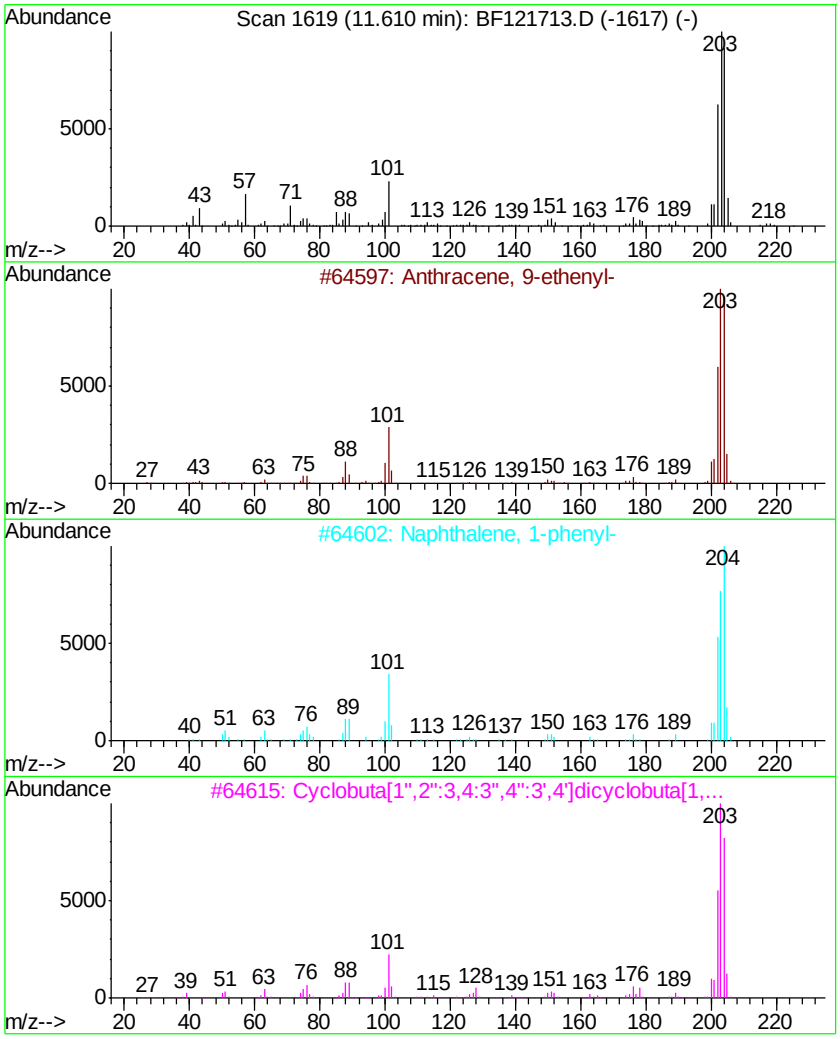
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

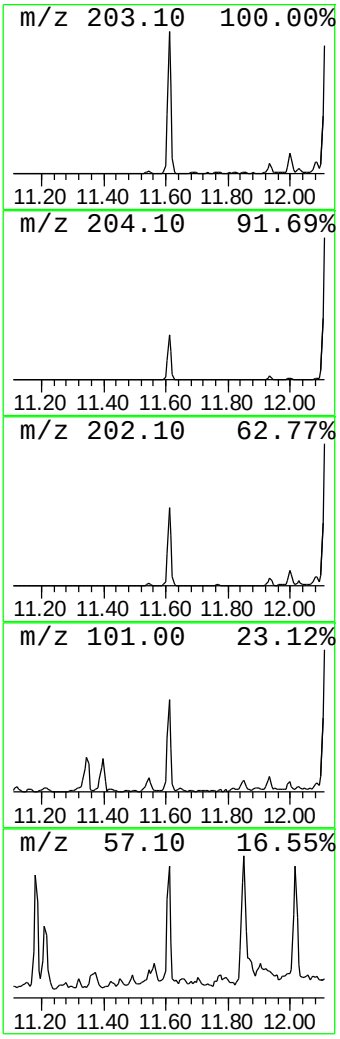
****

Peak Number 4 Anthracene, 9-ethenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	4.64 ng	415587	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	96
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	90
3	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	90
4	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	89
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121713.D
Acq On : 28 Sep 2020 15:38
Operator : JU/CG
Sample : L4160-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11976

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

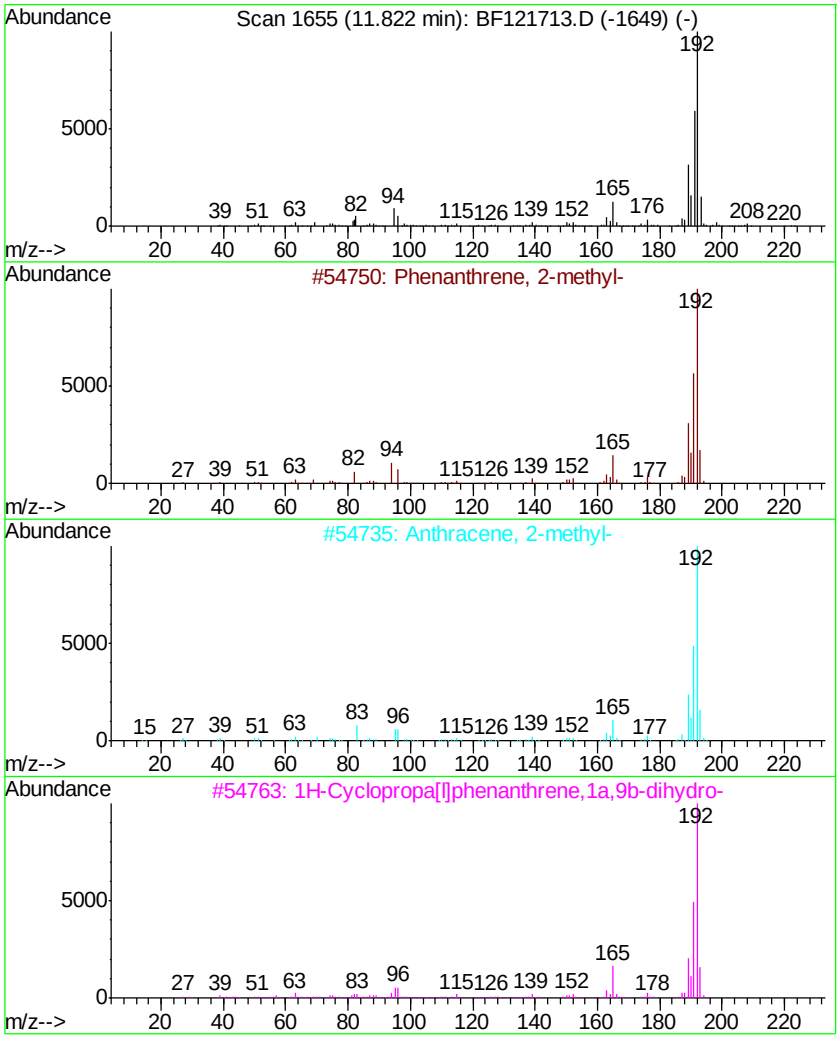
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

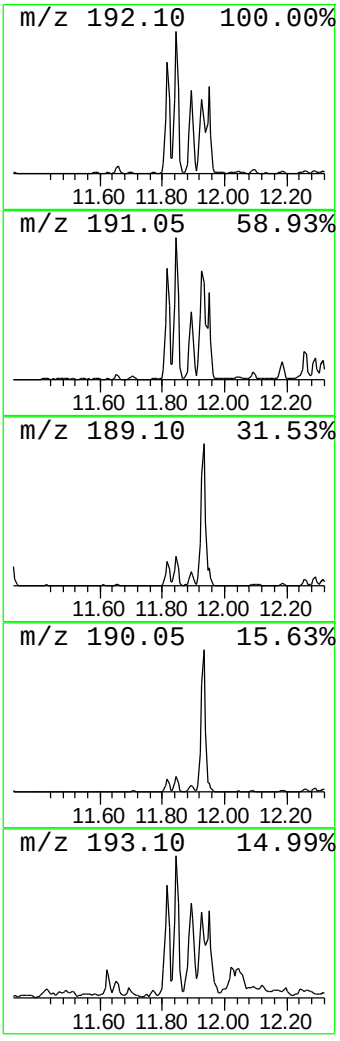
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	9.48 ng	848852	Phenanthrene-d10	11.32

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121713.D
Acq On : 28 Sep 2020 15:38
Operator : JU/CG
Sample : L4160-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11976

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

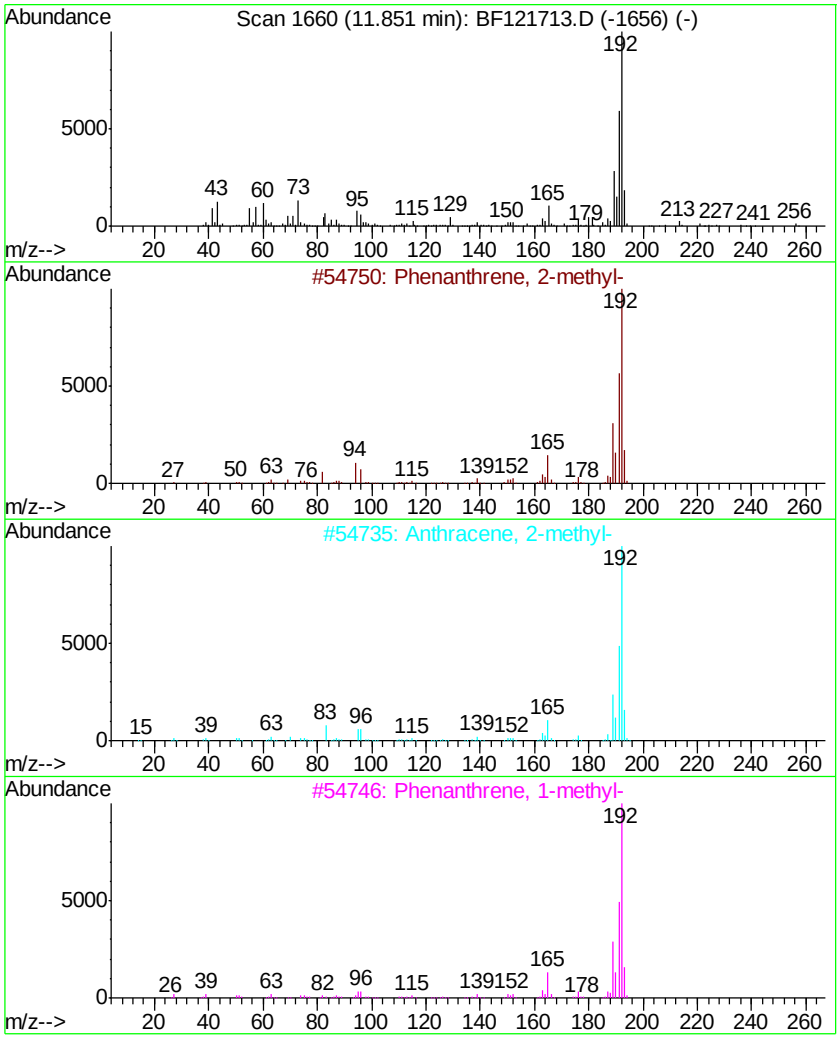
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

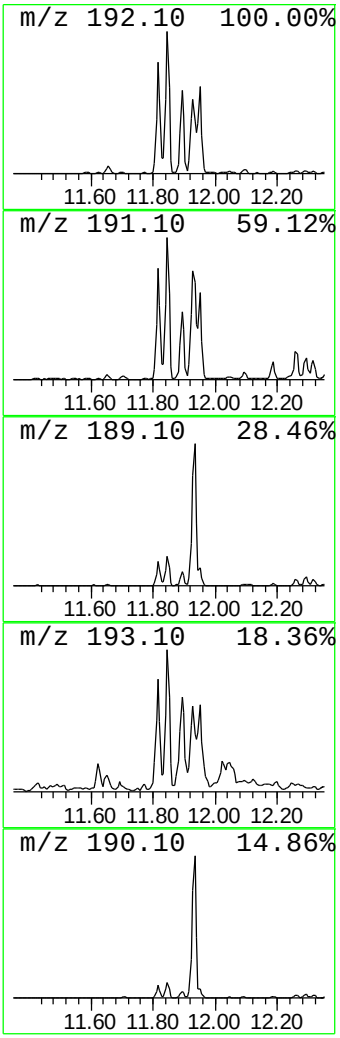
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	13.82 ng	1237500	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121713.D
Acq On : 28 Sep 2020 15:38
Operator : JU/CG
Sample : L4160-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11976

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

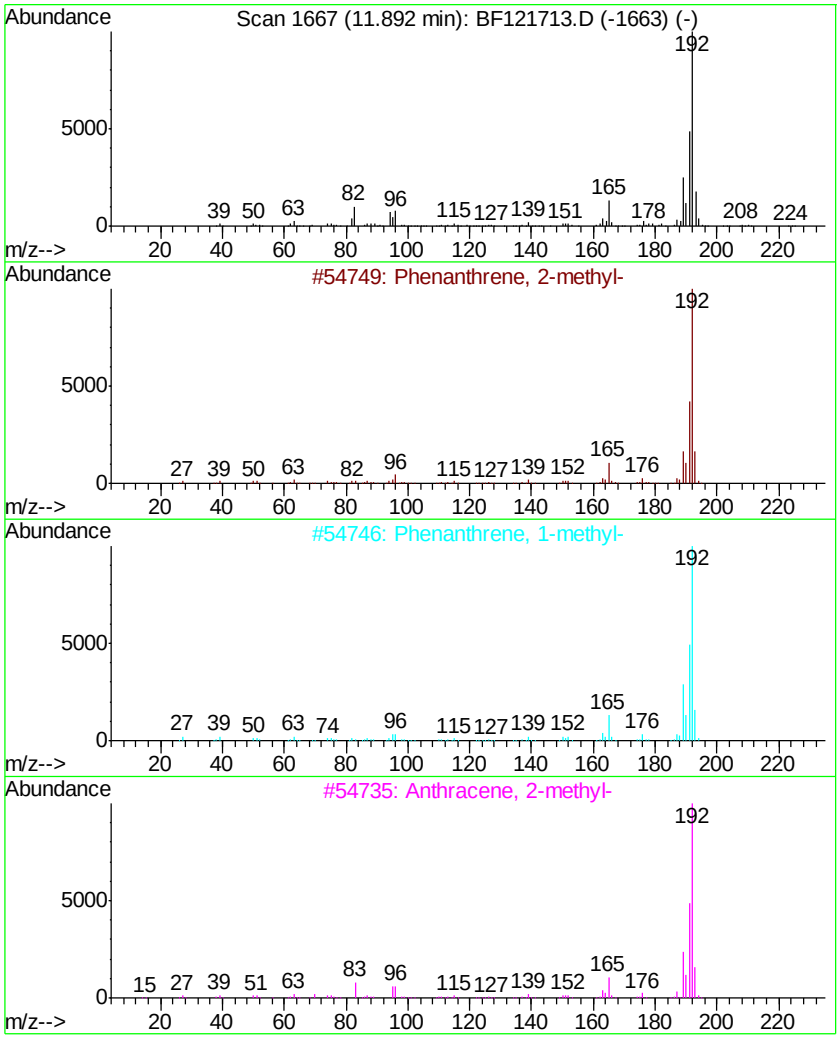
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

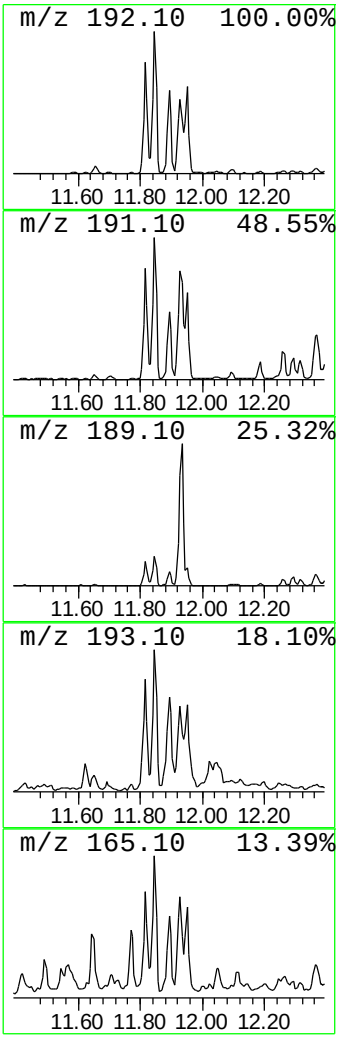
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	6.89 ng	616819	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	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121713.D
Acq On : 28 Sep 2020 15:38
Operator : JU/CG
Sample : L4160-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11976

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

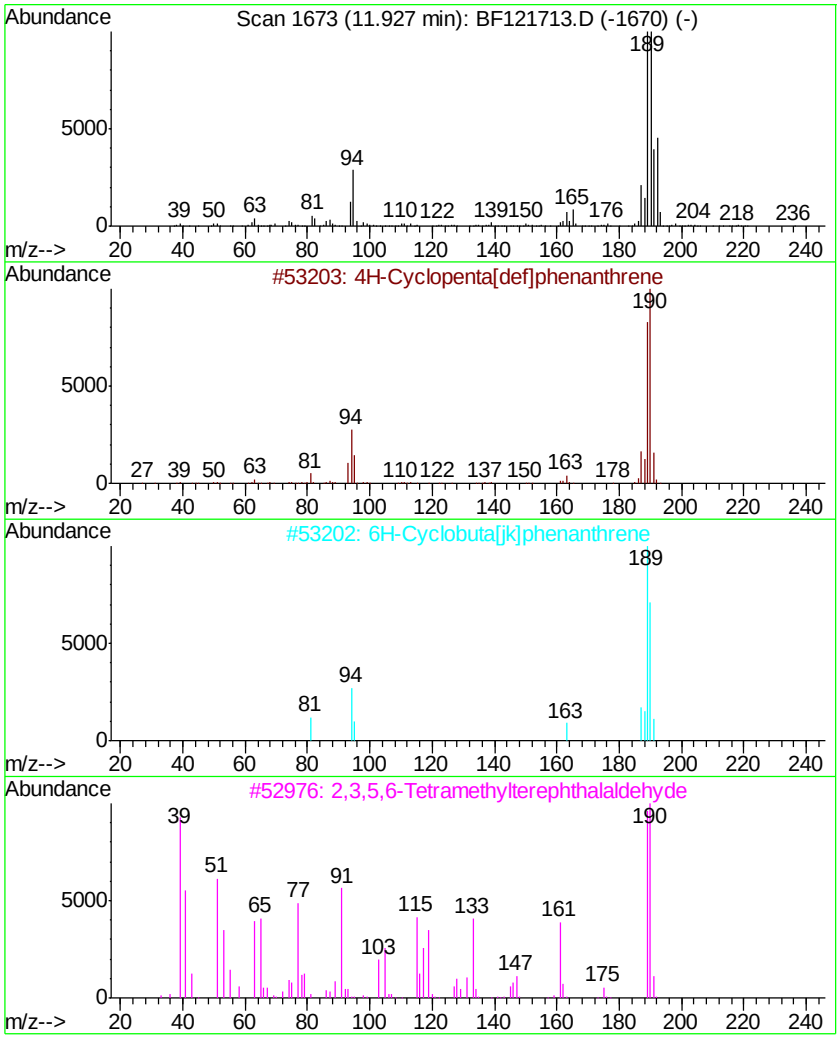
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

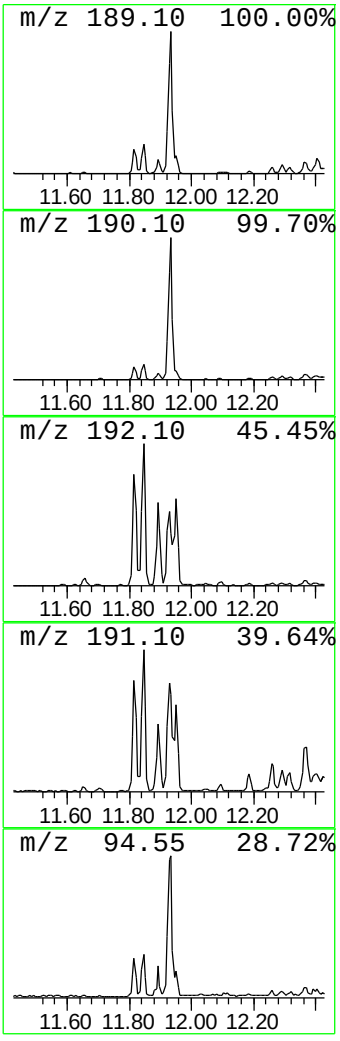
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	30.79 ng	2757040	Phenanthrene-d10	11.32

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	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121713.D
Acq On : 28 Sep 2020 15:38
Operator : JU/CG
Sample : L4160-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11976

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

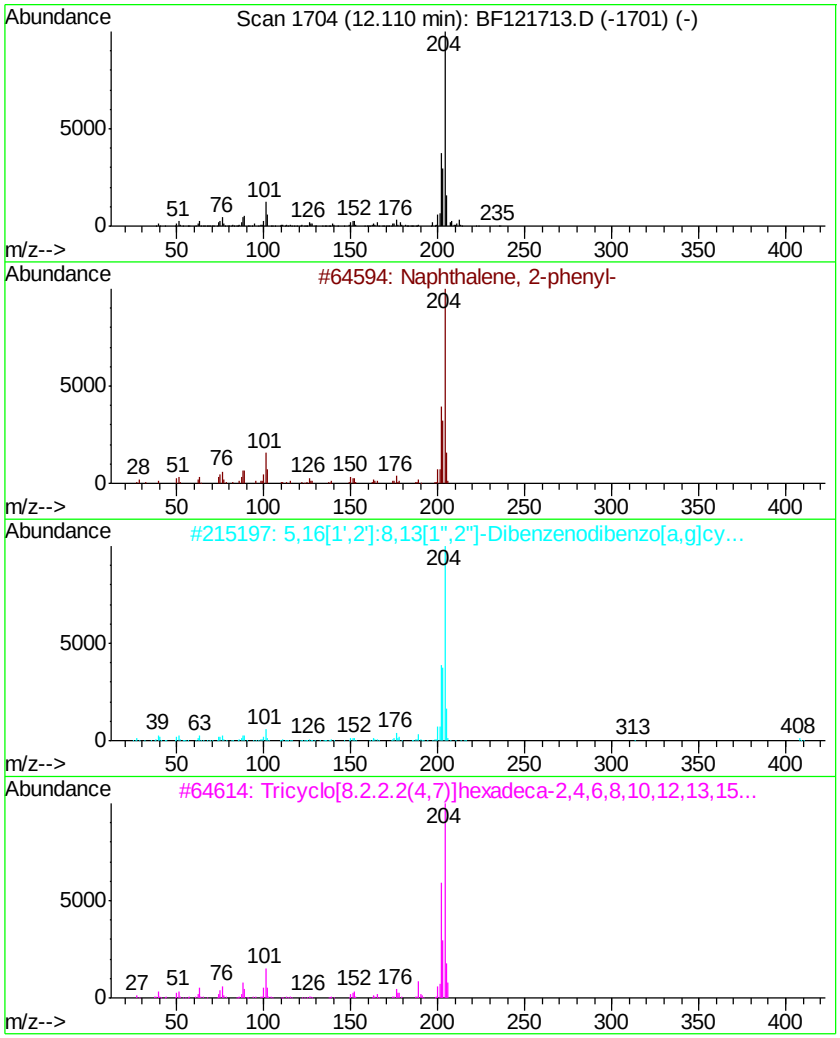
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

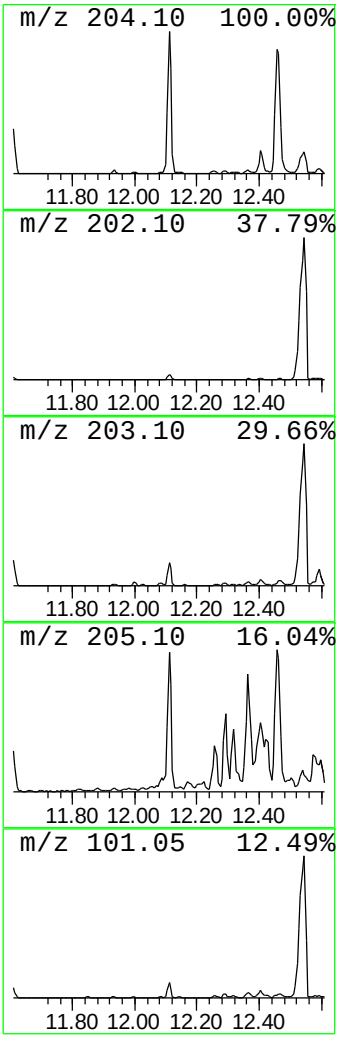
****

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	8.98 ng	803948	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	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121713.D
Acq On : 28 Sep 2020 15:38
Operator : JU/CG
Sample : L4160-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11976

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

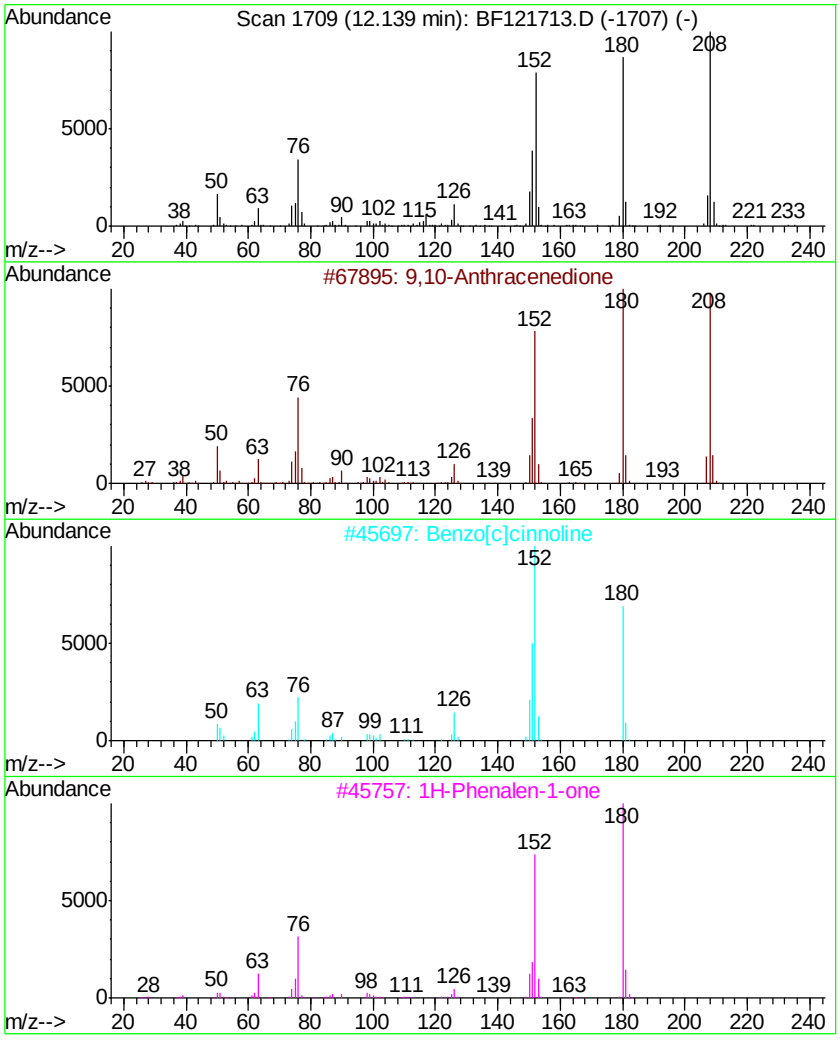
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

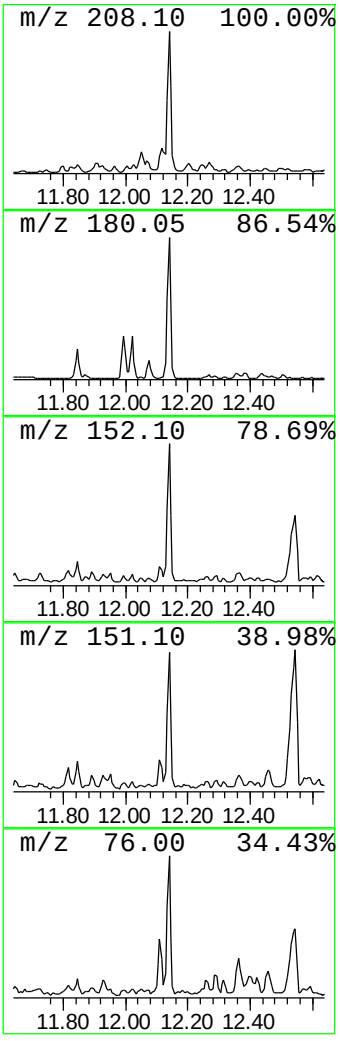
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	4.60 ng	412267	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	50
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121713.D
Acq On : 28 Sep 2020 15:38
Operator : JU/CG
Sample : L4160-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11976

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

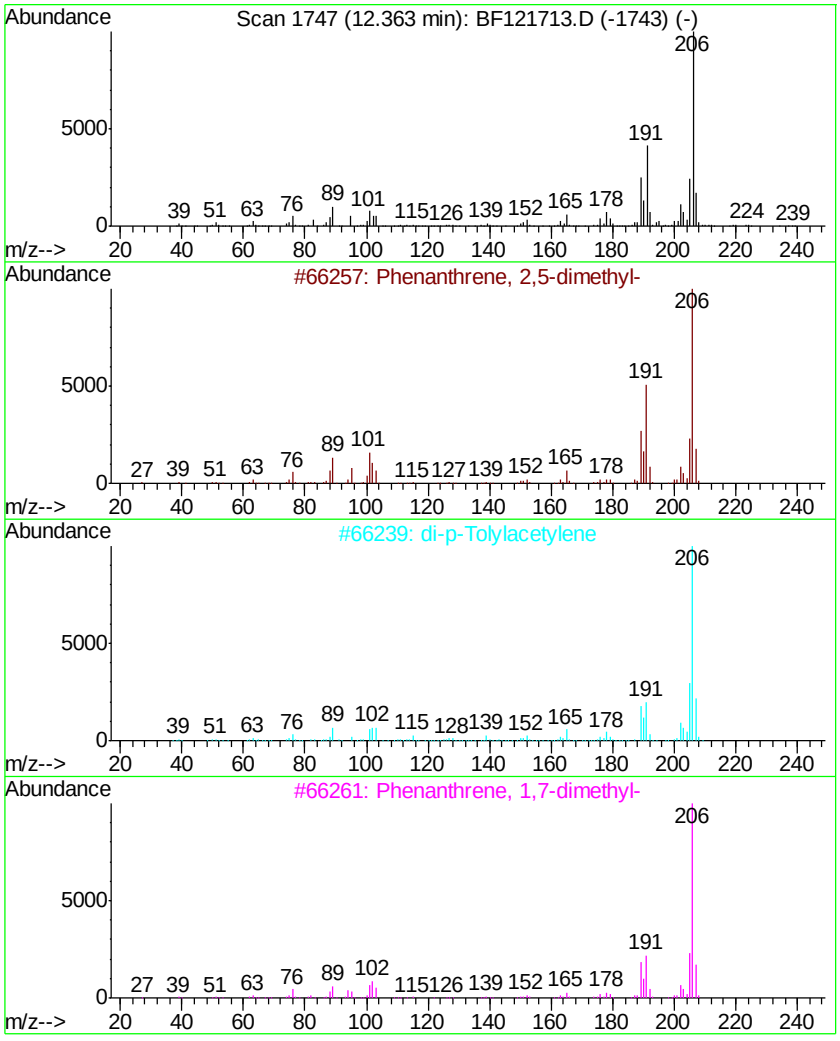
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

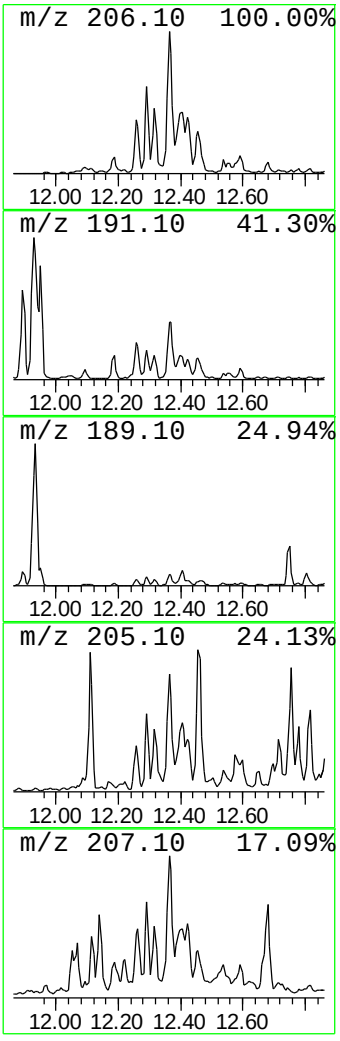
****

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	7.61 ng	681577	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121713.D
Acq On : 28 Sep 2020 15:38
Operator : JU/CG
Sample : L4160-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11976

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

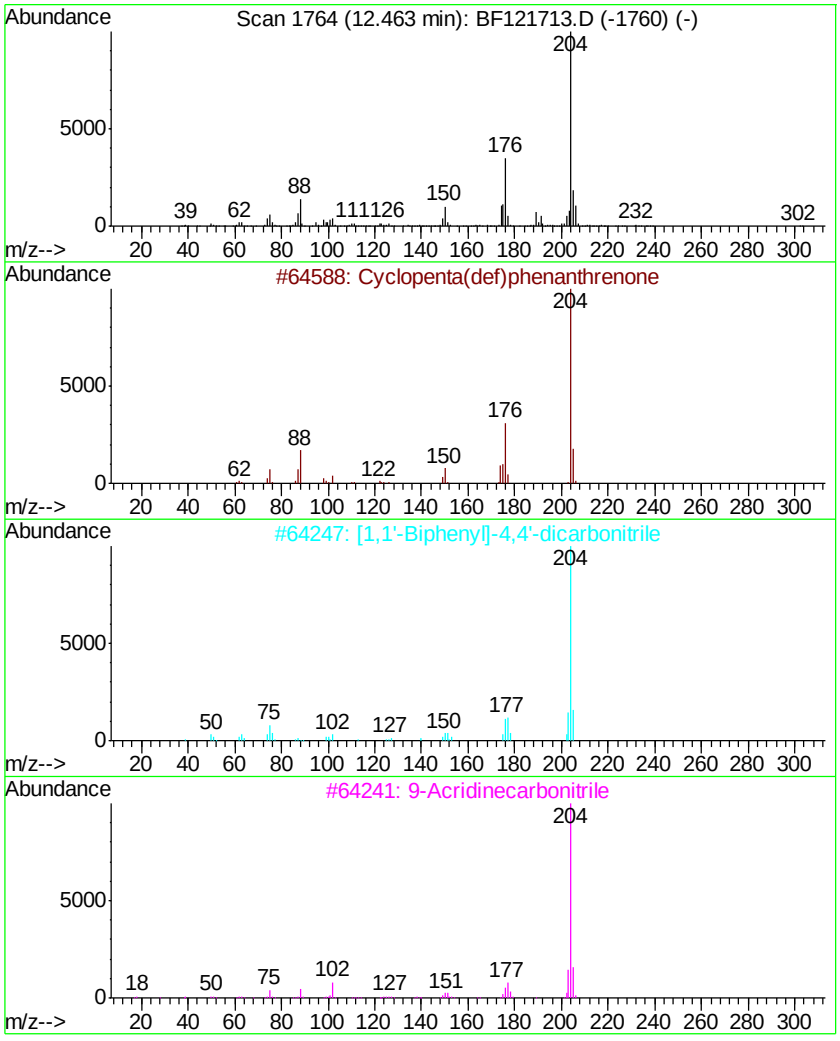
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

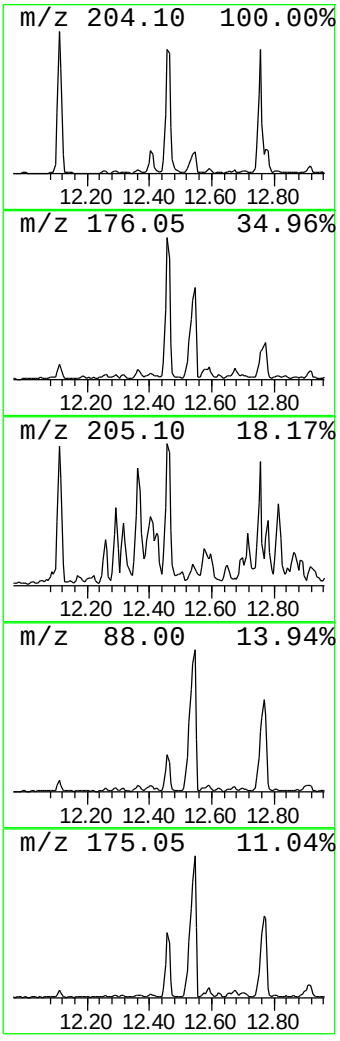
****

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	10.80 ng	966989	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121713.D
Acq On : 28 Sep 2020 15:38
Operator : JU/CG
Sample : L4160-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11976

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

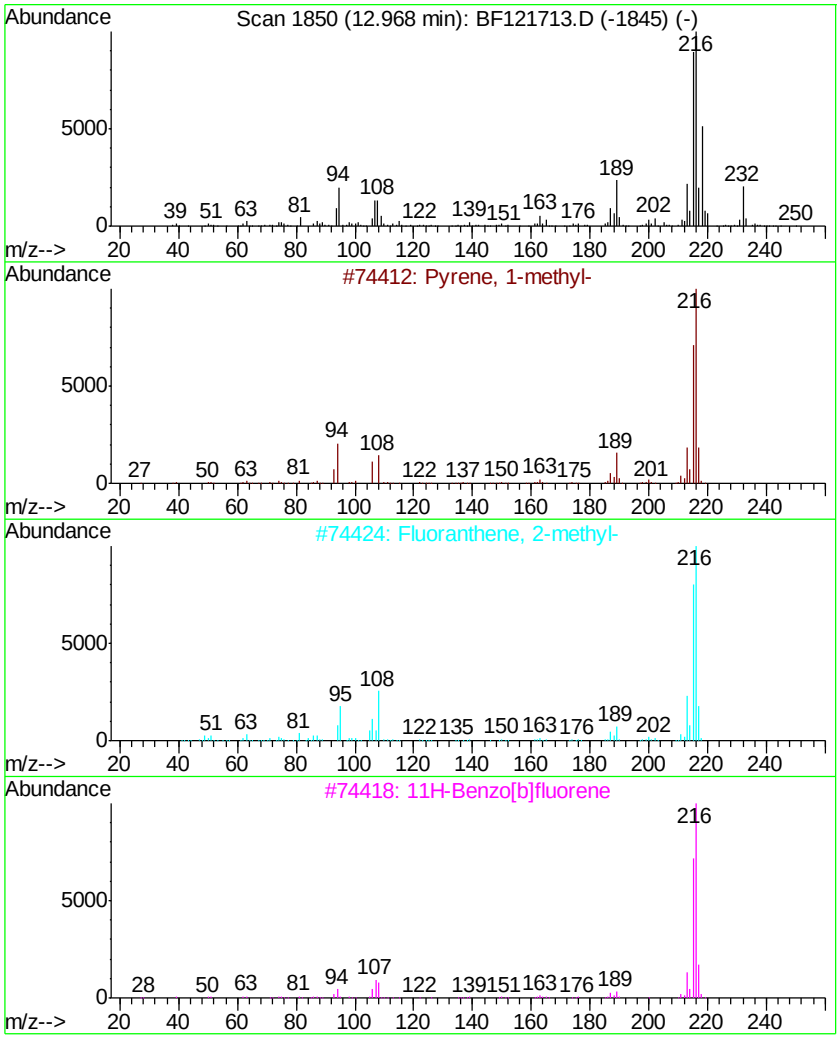
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

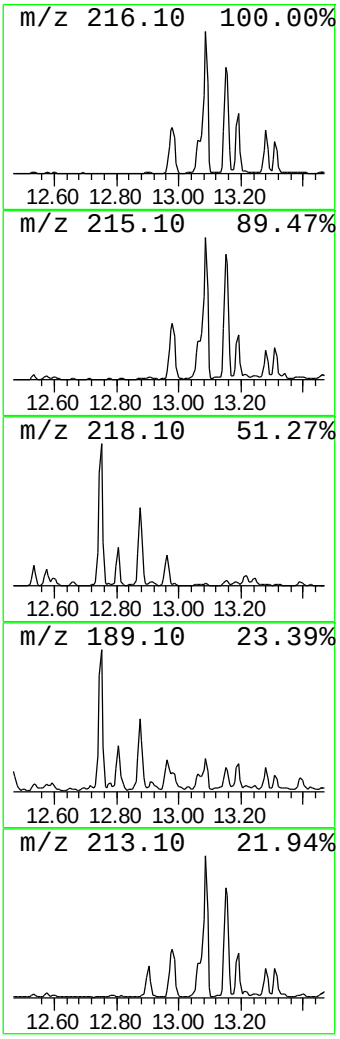
****

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	5.03 ng	1022380	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	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121713.D
Acq On : 28 Sep 2020 15:38
Operator : JU/CG
Sample : L4160-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11976

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

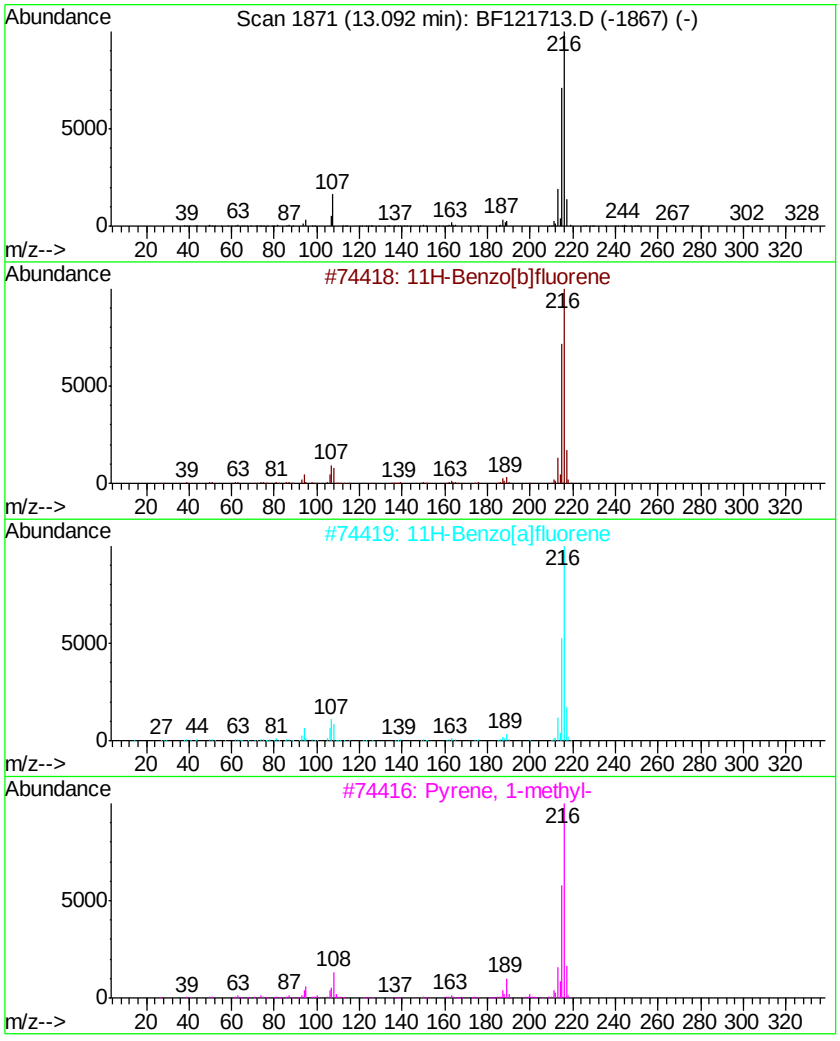
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

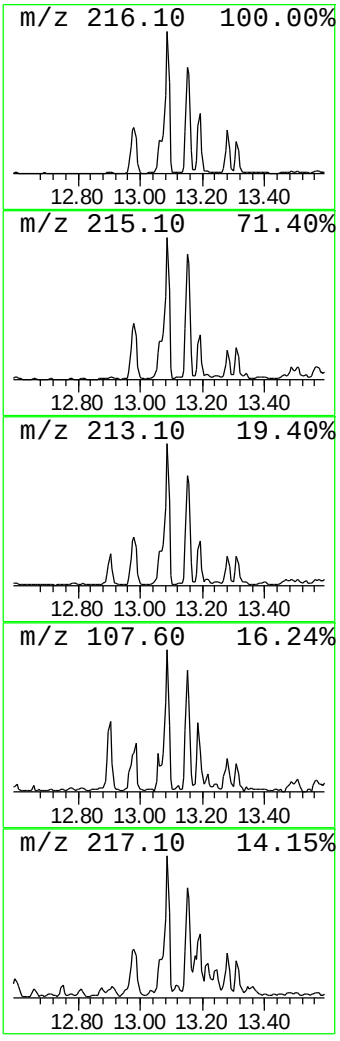
****

Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	6.40 ng	1299660	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121713.D
Acq On : 28 Sep 2020 15:38
Operator : JU/CG
Sample : L4160-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11976

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

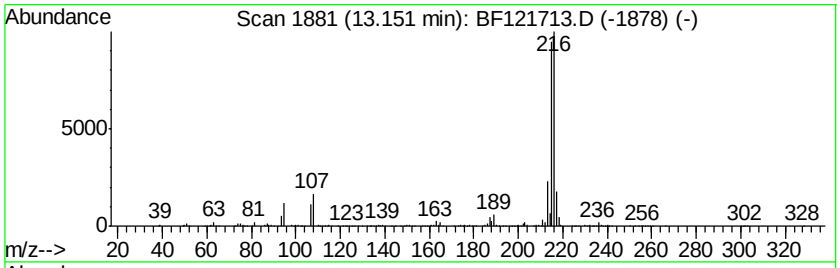
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

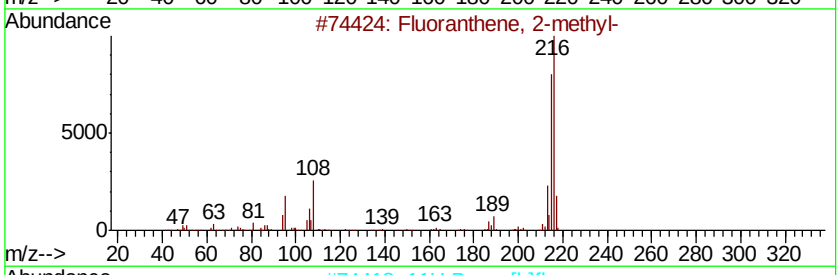
****

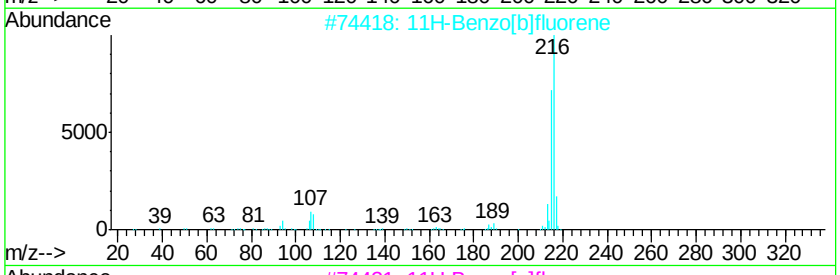
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 20

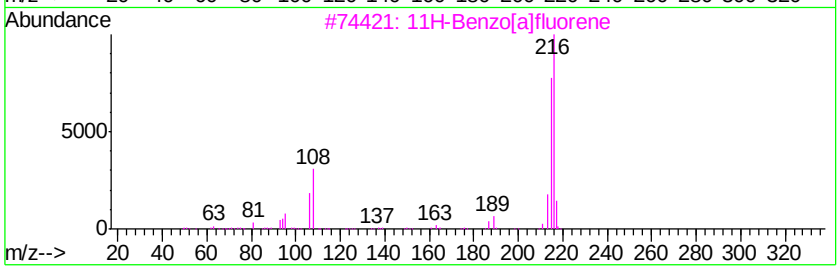
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	4.60 ng	933682	Chrysene-d12	13.96

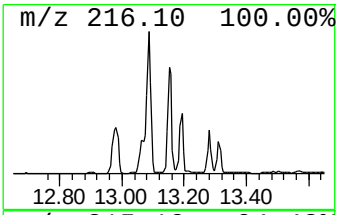
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	53
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	52

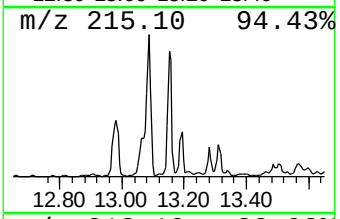


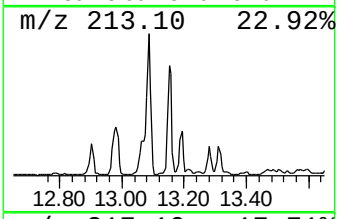


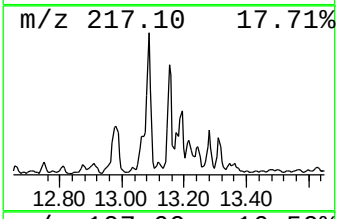


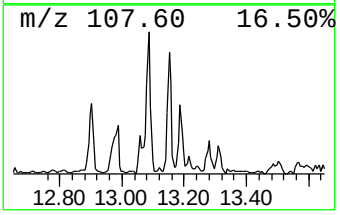












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121713.D
Acq On : 28 Sep 2020 15:38
Operator : JU/CG
Sample : L4160-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11976

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

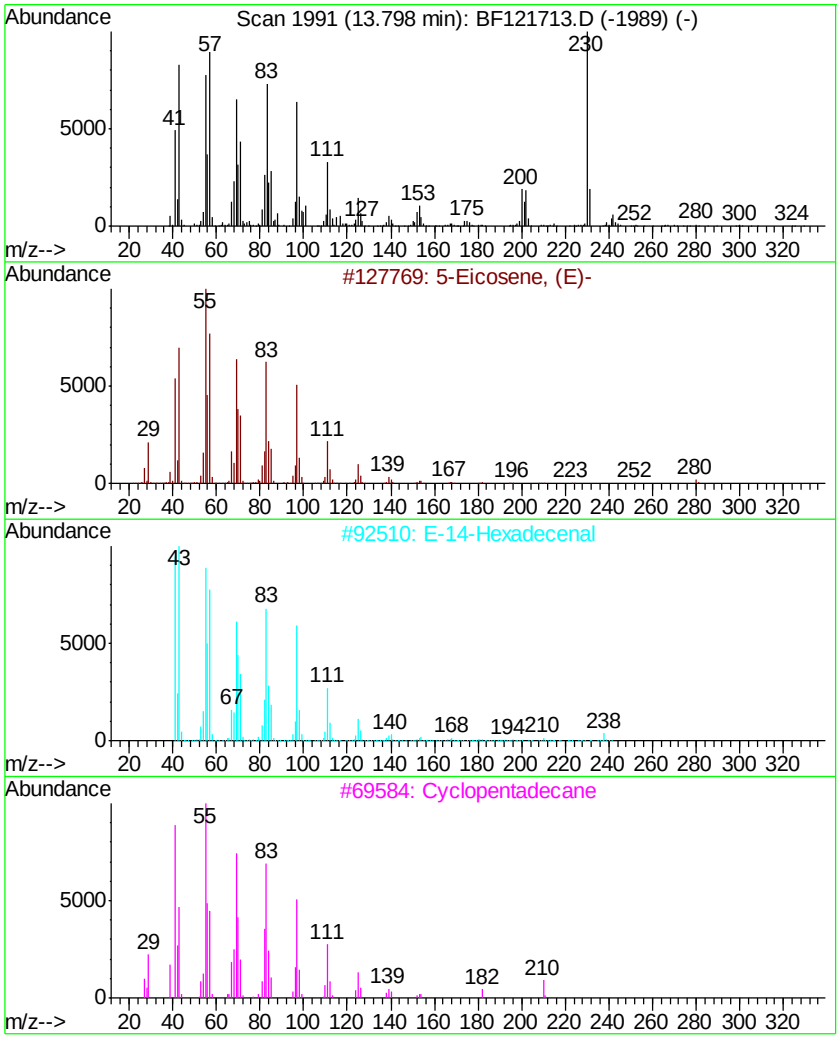
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

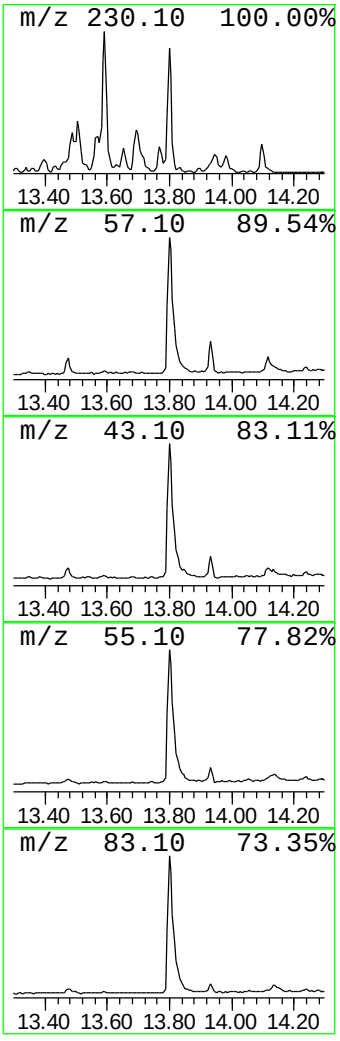
****

Peak Number 17 5-Eicosene, (E)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	9.38 ng	1905750	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	96
2	E-14-Hexadecenal	238	C16H30O	330207-53-9	90
3	Cyclopentadecane	210	C15H30	000295-48-7	86
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	83
5	Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121713.D
Acq On : 28 Sep 2020 15:38
Operator : JU/CG
Sample : L4160-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11976

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

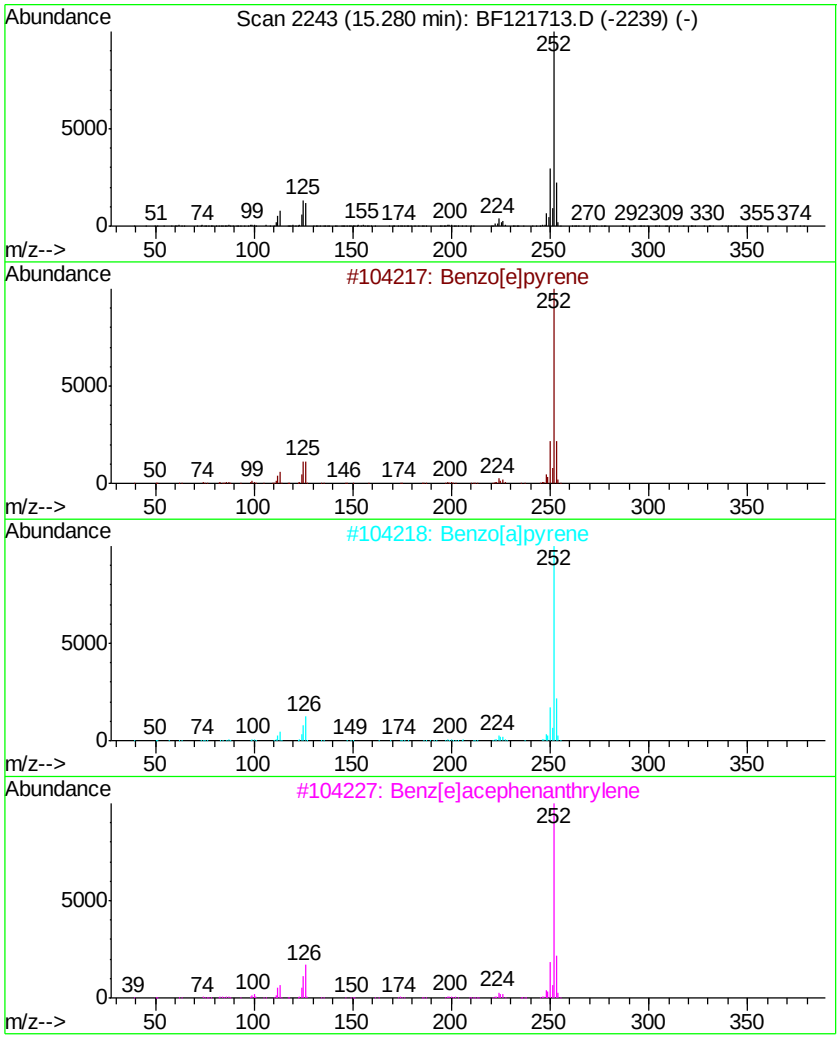
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

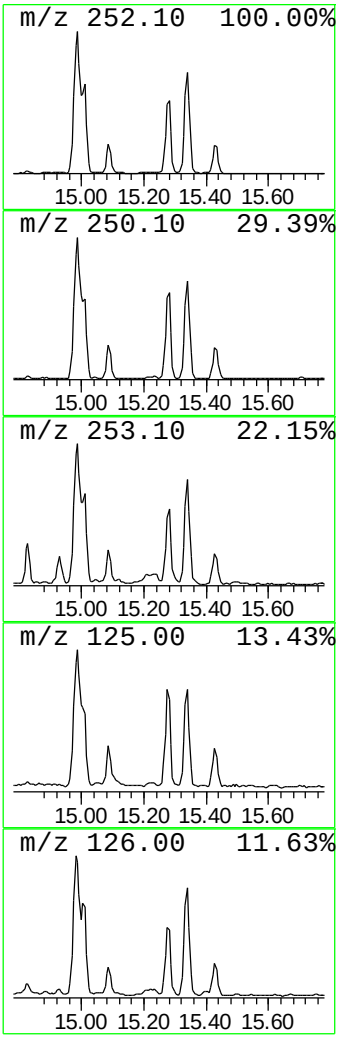
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	11.23 ng	657917	Perylene-d12	15.40

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	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092820\
Data File : BF121713.D
Acq On : 28 Sep 2020 15:38
Operator : JU/CG
Sample : L4160-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11976

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
9H-Fluorene, 2-me...	10.93	5.5	ng	489006	4	11.32	1790800	20.0
2,4,6-Trimethoxyb...	11.16	6.5	ng	580143	4	11.32	1790800	20.0
Dibenzothiophene	11.21	7.0	ng	626253	4	11.32	1790800	20.0
Anthracene, 9-eth...	11.61	4.6	ng	415587	4	11.32	1790800	20.0
Phenanthrene, 2-m...	11.82	9.5	ng	848852	4	11.32	1790800	20.0
Anthracene, 2-met...	11.85	13.8	ng	1237500	4	11.32	1790800	20.0
Phenanthrene, 1-m...	11.89	6.9	ng	616819	4	11.32	1790800	20.0
4H-Cyclopenta[def...	11.93	30.8	ng	2757040	4	11.32	1790800	20.0
Naphthalene, 2-ph...	12.11	9.0	ng	803948	4	11.32	1790800	20.0
9,10-Anthracenedione	12.14	4.6	ng	412267	4	11.32	1790800	20.0
Phenanthrene, 2,5...	12.36	7.6	ng	681577	4	11.32	1790800	20.0
Cyclopenta(def)ph...	12.46	10.8	ng	966989	4	11.32	1790800	20.0
Pyrene, 1-methyl-	12.97	5.0	ng	1022380	5	13.96	4063020	20.0
11H-Benzo[b]fluorene	13.09	6.4	ng	1299660	5	13.96	4063020	20.0
Fluoranthene, 2-m...	13.15	4.6	ng	933682	5	13.96	4063020	20.0
5-Eicosene, (E)-	13.80	9.4	ng	1905750	5	13.96	4063020	20.0
Benzo[e]pyrene	15.28	11.2	ng	657917	6	15.40	1171930	20.0