LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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	2.169	9	14	20	rVB	306010	393544	5.36%	0.381%
2	5.069	501	507	519	rVB	119902	178486	2.43%	0.173%
3	5.463	569	574	577	rBV	4436664	4414494	60.07%	4.270%
4	6.475	741	746	755	rVB	4115616	4790474	65.19%	4.634%
5	6.663	775	778	783	rBV	132865	141251	1.92%	0.137%
6	6.833	803	807	810	rBV	1519013	1361448	18.53%	1.317%
7	7.398	896	903	905	rBV	2984717	3294234	44.83%	3.186%
8	8.116	1019	1025	1027	rBV	1913473	1820678	24.78%	1.761%
9	8.922	1159	1162	1166	rBV	119780	112098	1.53%	0.108%
10	9.192	1202	1208	1211	rBV	5892605	5501871	74.87%	5.322%
11	9.451	1245	1252	1258	rBV	105515	155892	2.12%	0.151%
12	9.527	1261	1265	1267	rVV	200343	204102	2.78%	0.197%
13	9.551	1267	1269	1271	rVV	149567	117710	1.60%	0.114%
14	9.580	1271	1274	1278	rVV	788260	620424	8.44%	0.600%
15	9.639	1282	1284	1289	rVB	83602	95897	1.31%	0.093%
16	9.798	1302	1311	1314	rBV	105446	103003	1.40%	0.100%
17	9.869	1316	1323	1326	rBV	2491999	2193294	29.85%	2.122%
18	9.898	1326	1328	1331	rVB	991965	776002	10.56%	0.751%
19	10.022	1345	1349	1351	rBV2	78539	92255	1.26%	0.089%
20	10.069	1353	1357	1361	rVV	634488	561234	7.64%	0.543%
21	10.110	1361	1364	1370	rVV	115694	120985	1.65%	0.117%
22	10.180	1373	1376	1379	rBV2	109576	112730	1.53%	0.109%
23	10.274	1388	1392	1393	rVV	124374	133056	1.81%	0.129%
24	10.298	1393	1396	1399	rVB2	140038	143269	1.95%	0.139%
25	10.410	1411	1415	1421	rBV	826201	839167	11.42%	0.812%
26	10.569	1440	1442	1446	rVB	381914	314080	4.27%	0.304%
27	10.657	1451	1457	1461	rVV	3684281	3636407	49.49%	3.517%
28	10.704	1461	1465	1467	rVB2	86635	110305	1.50%	0.107%
29	10.774	1473	1477	1484	rVB3	233732	326768	4.45%	0.316%
30	10.963	1503	1509	1511	rBV3	228087	338523	4.61%	0.327%
31	10.986	1511	1513	1516	rVV2	136359	130851	1.78%	0.127%
32	11.045	1520	1523	1525	rVV	94623	96427	1.31%	0.093%
33	11.092	1525	1531	1532	rVV4	185317	239681	3.26%	0.232%
34	11.110	1532	1534	1536	rVV2	195940	189308	2.58%	0.183%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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	11.157	1539	1542	1546	rVV	374347	336001	4.57%	0.325%
36	11.198	1546	1549	1551	rVV	211670	241775	3.29%	0.234%
37	11.245	1555	1557	1563	rVB	597634	602443	8.20%	0.583%
38	11.357	1569	1576	1577	rBV	1952505	2055110	27.97%	1.988%
39	11.386	1577	1581	1584	rVV	6524878	7169512	97.57%	6.935%
40	11.433	1584	1589	1591	rVV	2815189	2391856	32.55%	2.314%
41	11.457	1591	1593	1596	rVB2	165308	146956	2.00%	0.142%
42	11.580	1608	1614	1617	rBV2	509509	596969	8.12%	0.577%
43	11.645	1622	1625	1629	rVV2	428945	383683	5.22%	0.371%
44	11.680	1629	1631	1636	rVB4	155584	165970	2.26%	0.161%
45	11.851	1657	1660	1663	rBV	801069	759160	10.33%	0.734%
46	11.886	1663	1666	1670	rVB2	1872642	1820730	24.78%	1.761%
47	11.927	1670	1673	1676	rVB	582859	460967	6.27%	0.446%
48	11.968	1676	1680	1682	rBV	1328203	1444858	19.66%	1.398%
49	12.033	1688	1691	1692	rBV2	96985	99808	1.36%	0.097%
50	12.057	1692	1695	1697	rVB2	230769	211279	2.88%	0.204%
51	12.151	1707	1711	1713	rVV	831448	762506	10.38%	0.738%
52	12.174	1713	1715	1718	rVB	394656	303958	4.14%	0.294%
53	12.221	1721	1723	1727	rVB	101338	97237	1.32%	0.094%
54	12.298	1731	1736	1738	rBV2	222398	232466	3.16%	0.225%
55	12.327	1738	1741	1743	rBV	166069	131062	1.78%	0.127%
56	12.351	1743	1745	1747	rVB	157851	123658	1.68%	0.120%
57	12.404	1750	1754	1757	rBV	349114	421576	5.74%	0.408%
58	12.439	1757	1760	1763	rVV	351669	393842	5.36%	0.381%
59	12.492	1766	1769	1774	rVB	329287	397194	5.41%	0.384%
60	12.574	1777	1783	1786	rBV	5986281	7203741	98.03%	6.968%
61	12.627	1790	1792	1795	rVB	180418	154533	2.10%	0.149%
62	12.668	1796	1799	1801	rBV2	368236	340437	4.63%	0.329%
63	12.715	1804	1807	1810	rVV	355625	353473	4.81%	0.342%
64	12.751	1810	1813	1816	rVV	769817	645481	8.78%	0.624%
65	12.804	1816	1822	1825	rVV2	5394886	7348319	100.00%	7.108%
66	12.839	1826	1828	1836	rVB2	309840	394792	5.37%	0.382%
67	12.910	1837	1840	1842	rBV	408504	475287	6.47%	0.460%
68	12.939	1842	1845	1848	rVV	4841835	5149733	70.08%	4.981%
69	13.015	1852	1858	1861	rBV2	399112	696402	9.48%	0.674%
70	13.045	1861	1863	1865	rVB	160611	116618	1.59%	0.113%
71	13.098	1869	1872	1874	rVV3	222607	308385	4.20%	0.298%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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	13.121	1874	1876	1879	rVB	692977	562943	7.66%	0.545%
73	13.168	1879	1884	1885	rBV2	245720	298881	4.07%	0.289%
74	13.186	1885	1887	1890	rVB	382115	276796	3.77%	0.268%
75	13.221	1890	1893	1896	rBV2	495015	545872	7.43%	0.528%
76	13.280	1901	1903	1907	rBV2	124615	161521	2.20%	0.156%
77	13.315	1907	1909	1912	rVB	273211	198746	2.70%	0.192%
78	13.345	1912	1914	1918	rBV2	281903	294884	4.01%	0.285%
79	13.421	1924	1927	1932	rVB3	747202	754878	10.27%	0.730%
80	13.474	1934	1936	1939	rBV	210345	214856	2.92%	0.208%
81	13.510	1940	1942	1946	rVB3	168063	169629	2.31%	0.164%
82	13.627	1959	1962	1966	rVB	317565	332912	4.53%	0.322%
83	13.739	1978	1981	1983	rBV2	250253	254038	3.46%	0.246%
84	13.768	1983	1986	1988	rVV	418356	371074	5.05%	0.359%
85	13.792	1988	1990	1994	rVV2	333064	457676	6.23%	0.443%
86	13.839	1994	1998	2005	rVB3	1194222	1510162	20.55%	1.461%
87	13.986	2016	2023	2026	rBV2	2743326	4195463	57.09%	4.058%
88	14.021	2026	2029	2034	rVB	2231781	2152021	29.29%	2.082%
89	14.098	2039	2042	2044	rVB	488124	384156	5.23%	0.372%
90	14.374	2087	2089	2092	rVB	325369	254026	3.46%	0.246%
91	14.462	2101	2104	2108	rBV3	240951	277895	3.78%	0.269%
92	14.621	2127	2131	2135	rVB	847558	834964	11.36%	0.808%
93	15.027	2195	2200	2203	rBV	1519347	2402606	32.70%	2.324%
94	15.133	2215	2218	2223	rVB	308516	317351	4.32%	0.307%
95	15.327	2247	2251	2257	rVB	995206	1295514	17.63%	1.253%
96	15.392	2257	2262	2267	rVB	1494163	1874009	25.50%	1.813%
97	15.451	2267	2272	2275	rBV2	925101	1264781	17.21%	1.223%
98	15.480	2275	2277	2283	rVB	573633	615728	8.38%	0.596%
99	16.892	2511	2517	2524	rVB2	694632	1375864	18.72%	1.331%
100	17.327	2585	2591	2603	rVB	555347	1135725	15.46%	1.099%

Sum of corrected areas: 103382696

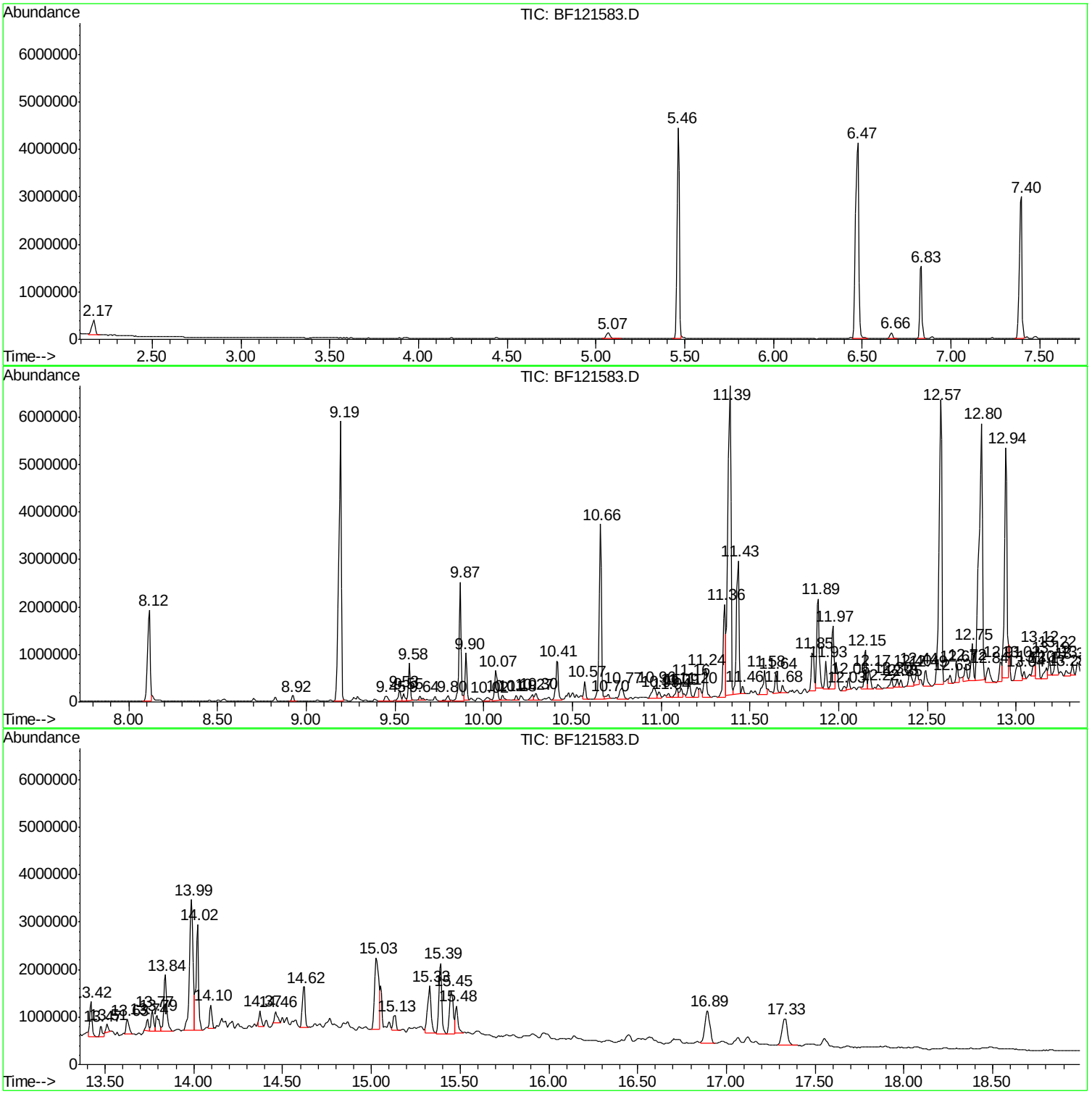
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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

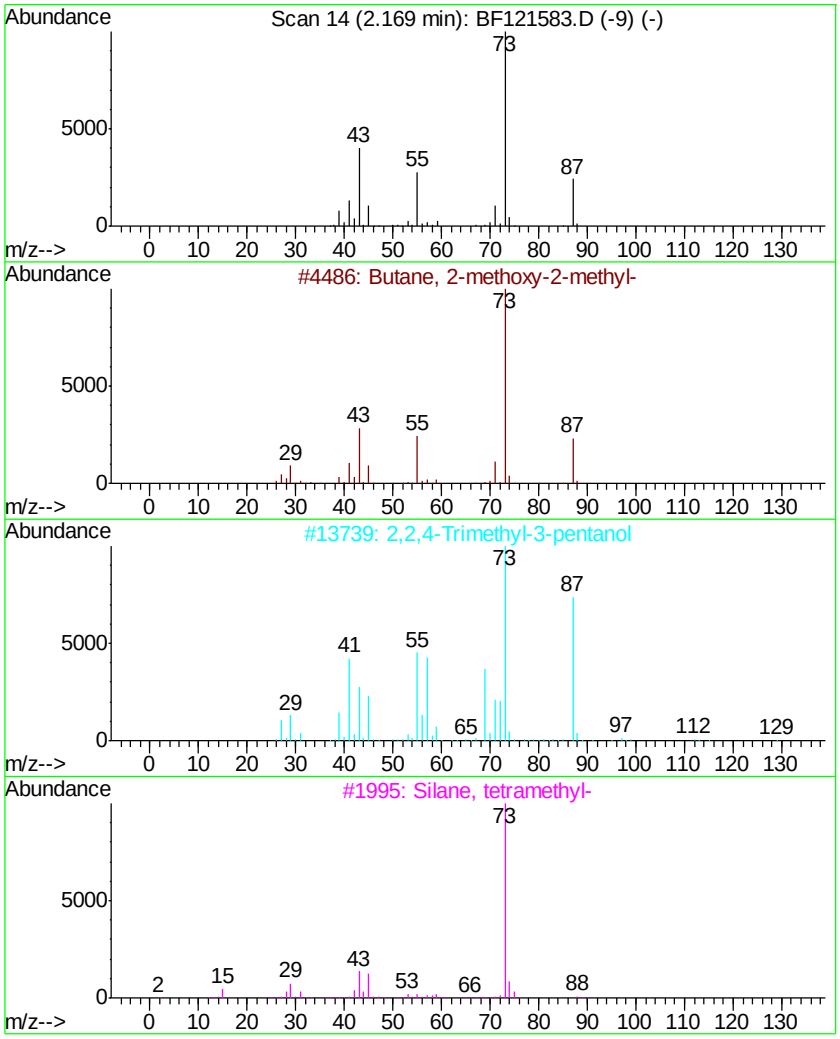
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

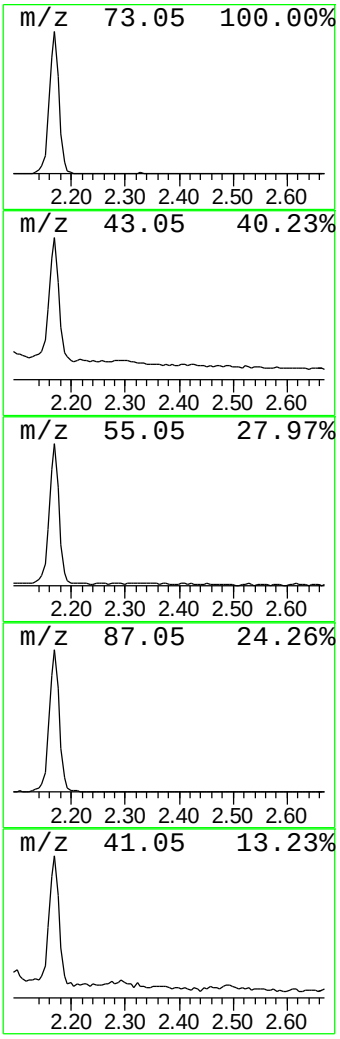
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	5.78 ng	393544	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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

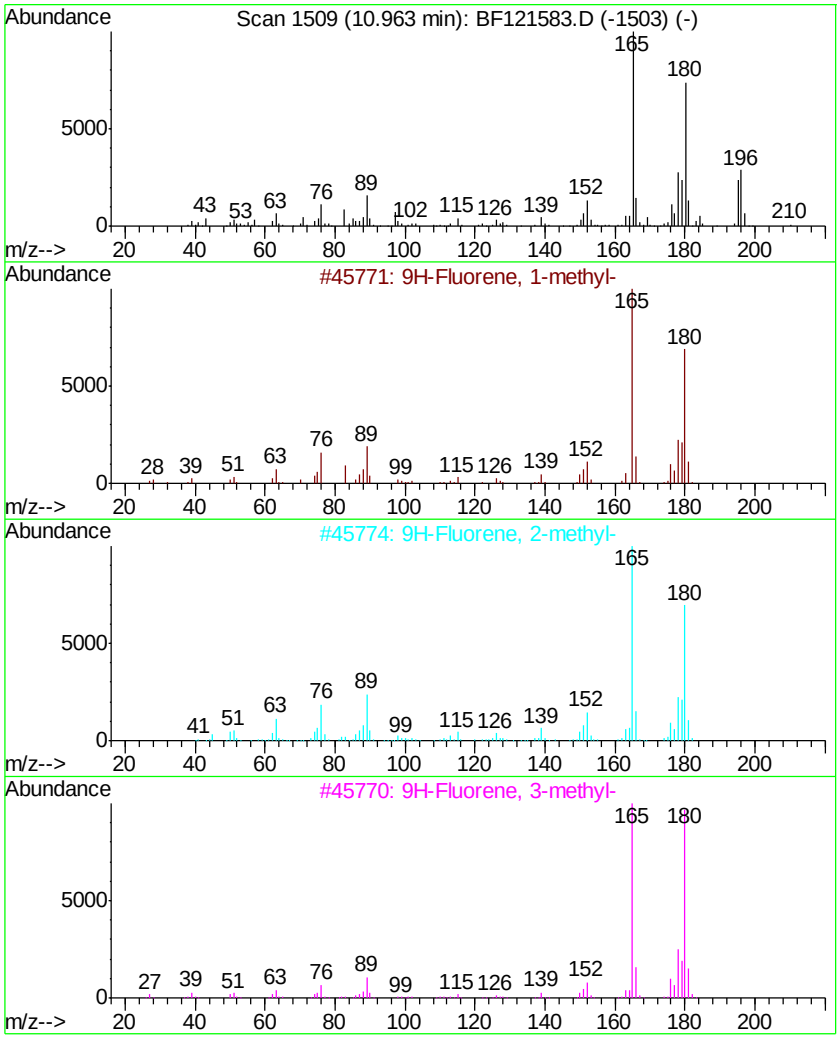
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

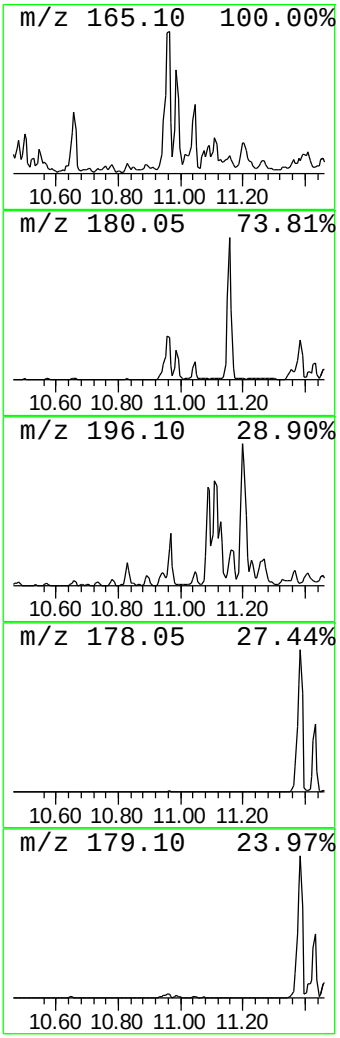
****

Peak Number 2 9H-Fluorene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	3.29 ng	338523	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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

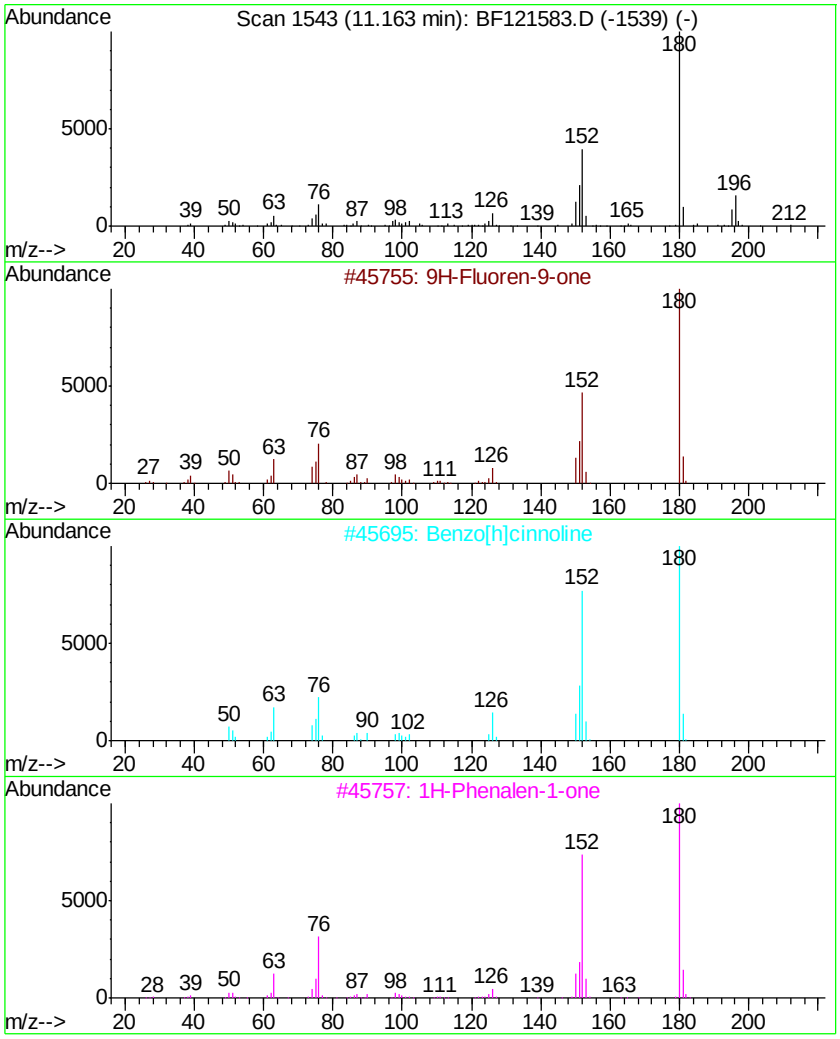
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

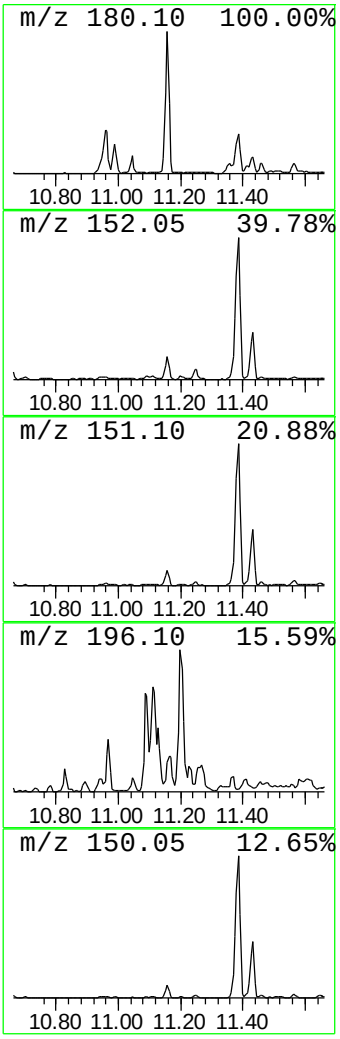
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	3.27 ng	336001	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	50
5	4-Acetyl-1-naphthonitrile	195	C13H9NO	029139-00-2	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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

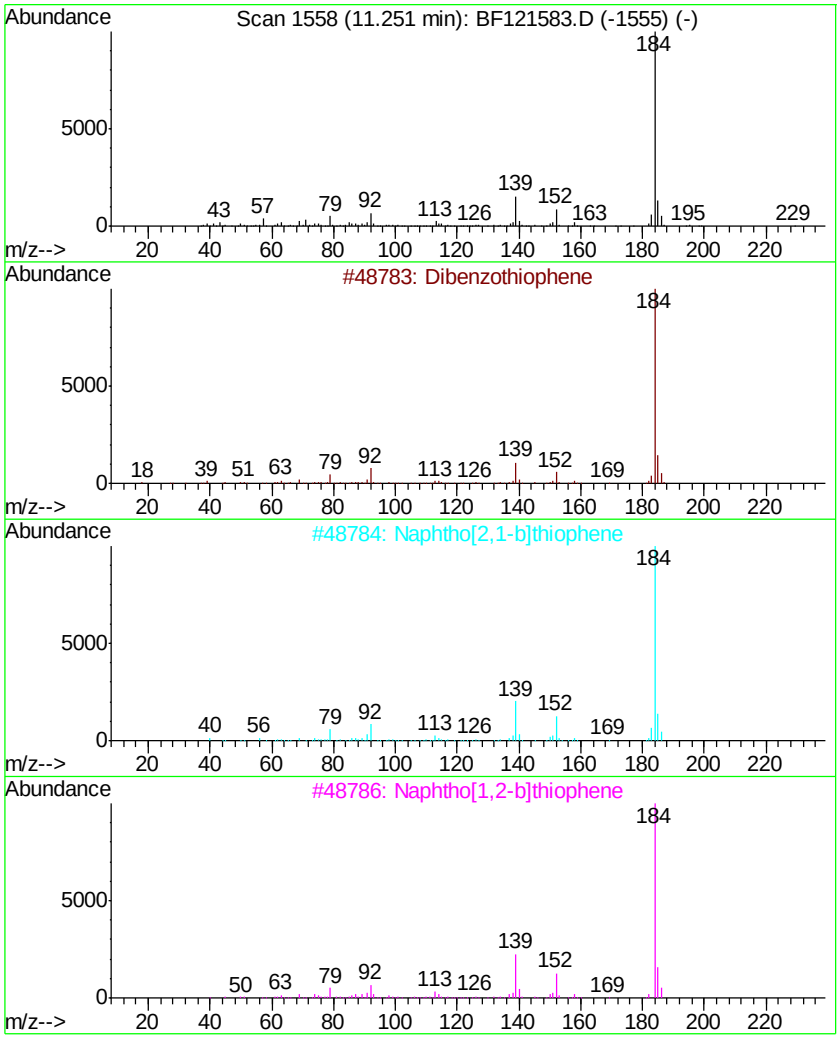
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

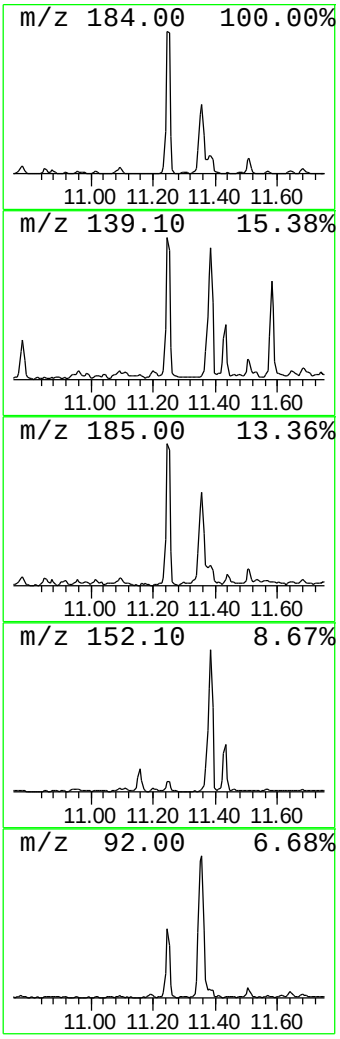
****

Peak Number 4 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	5.86 ng	602443	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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

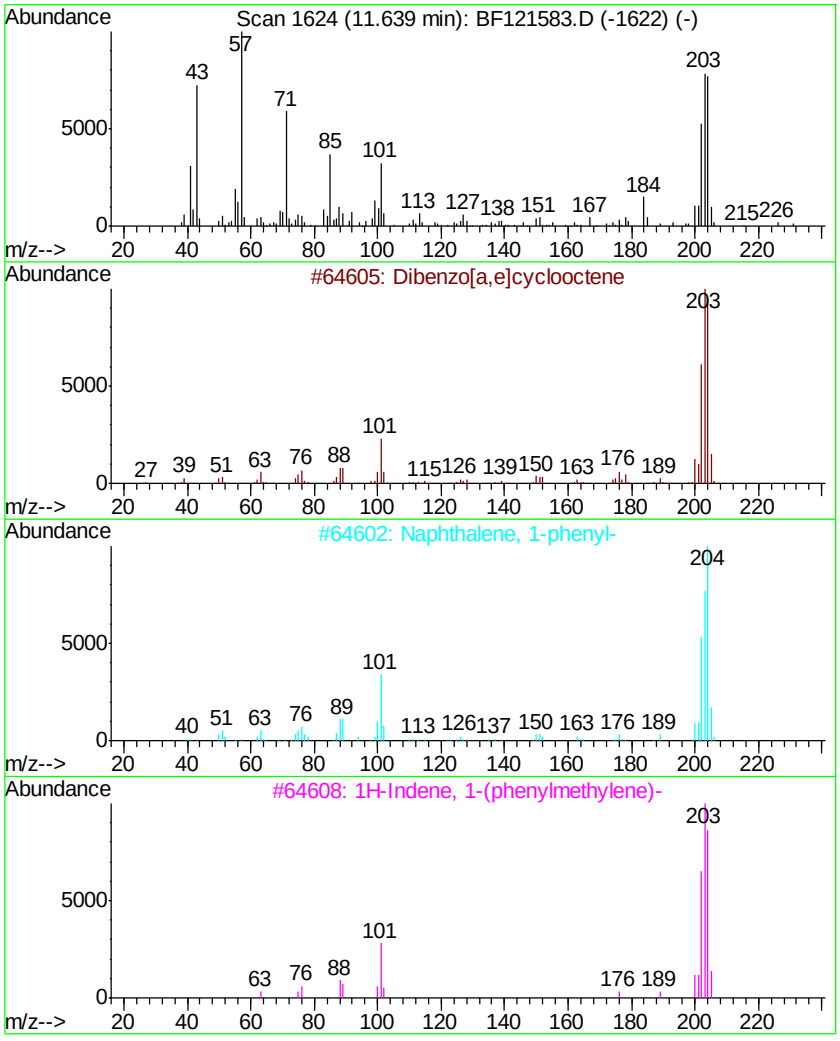
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

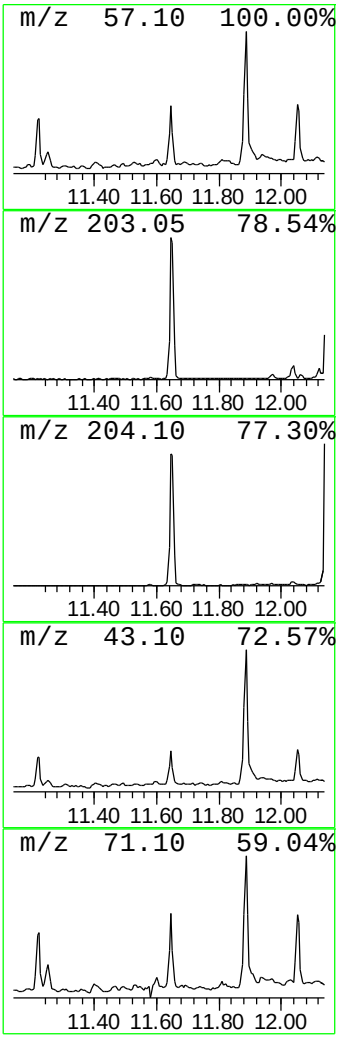
****

Peak Number 5 Dibenzo[a,e]cyclooctene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	3.73 ng	383683	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	96
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	95
3	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	92
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	91
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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

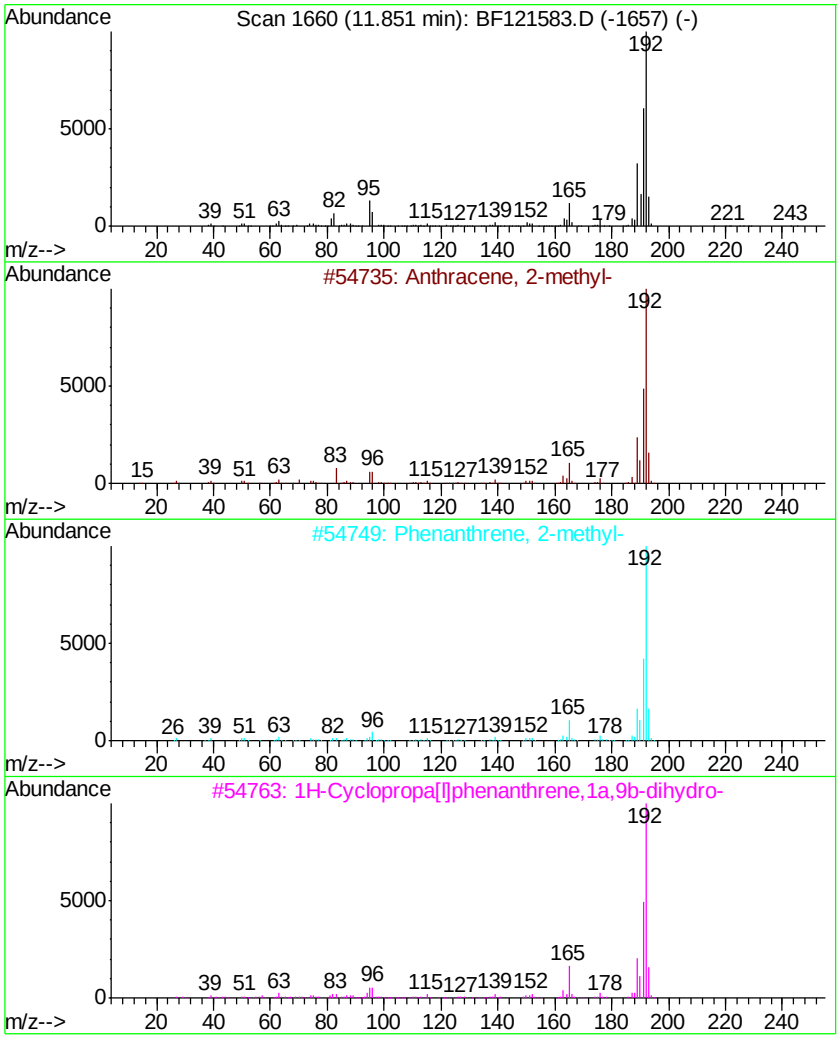
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

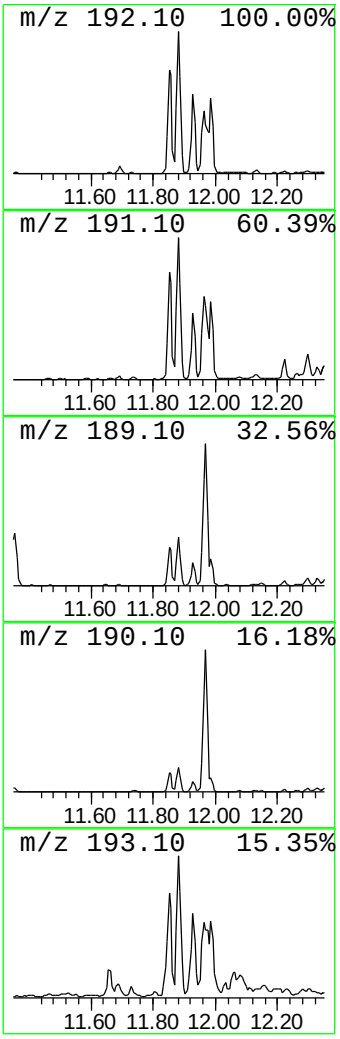
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	7.39 ng	759160	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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

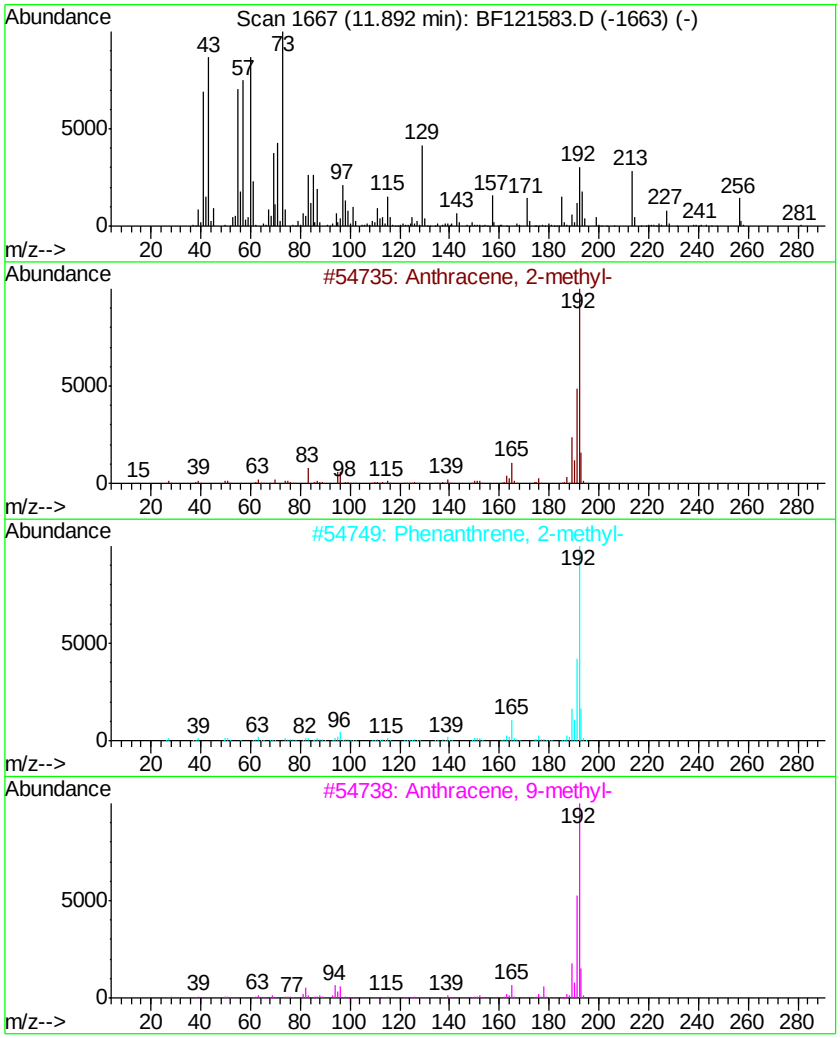
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

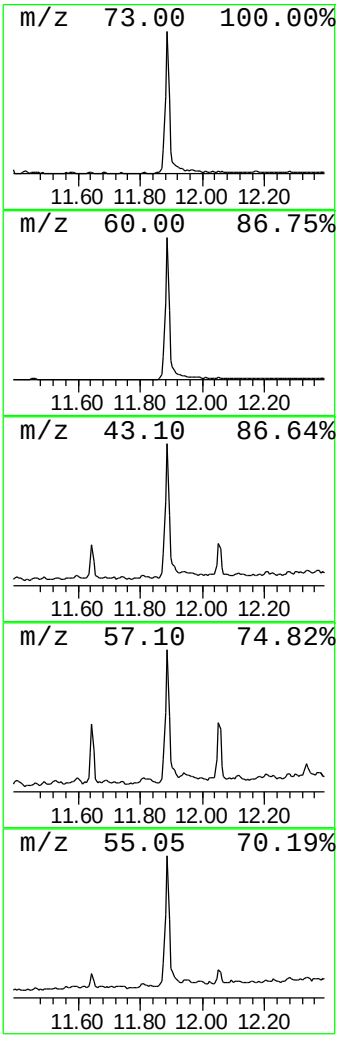
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	17.72 ng	1820730	Phenanthrene-d10	11.36

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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

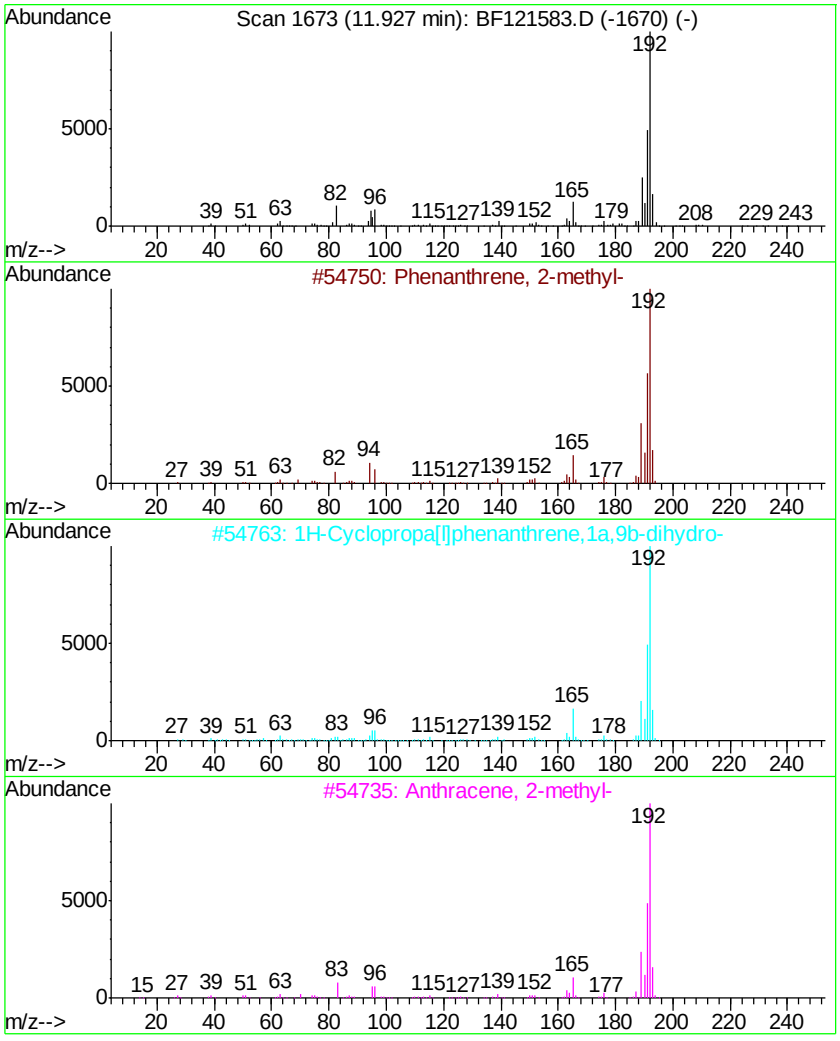
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

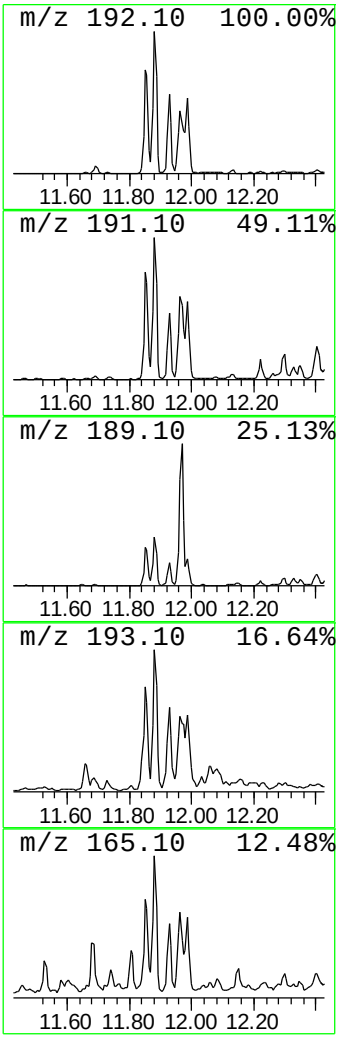
****

Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	4.49 ng	460967	Phenanthrene-d10	11.36

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	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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

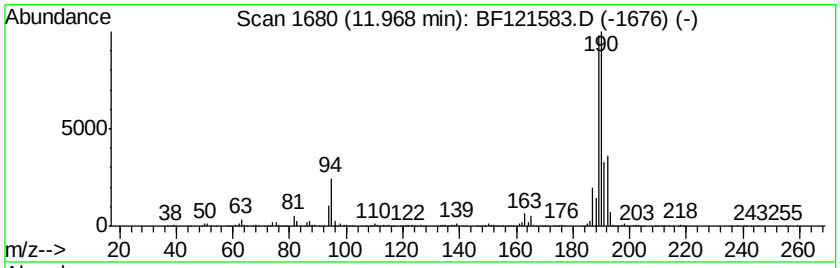
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

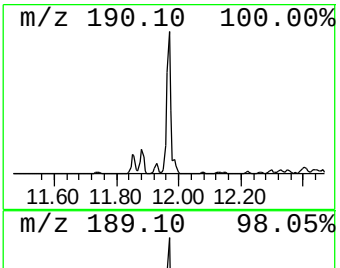
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	14.06 ng	1444860	Phenanthrene-d10	11.36

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	72
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	Methyl diselenide	190	C2H6Se2	007101-31-7	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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

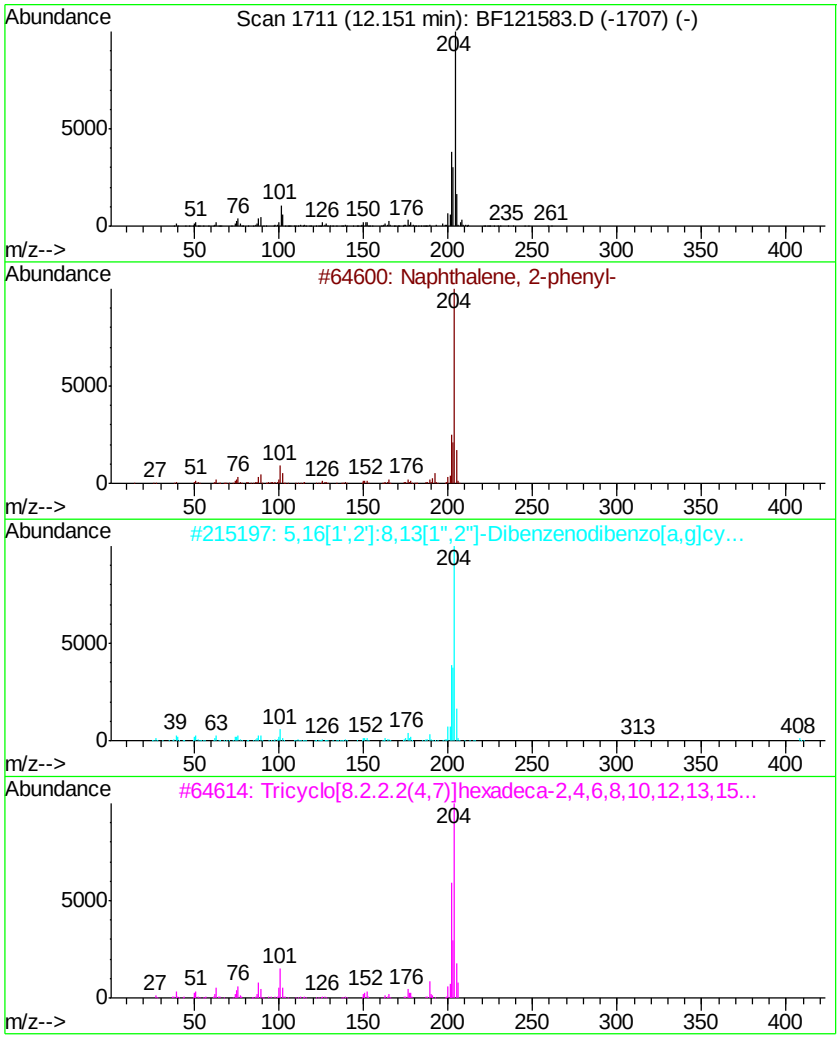
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

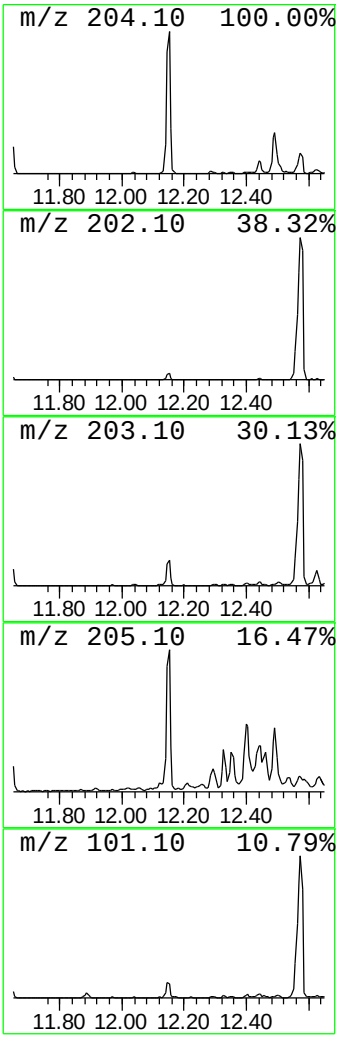
****

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	7.42 ng	762506	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
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	68
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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

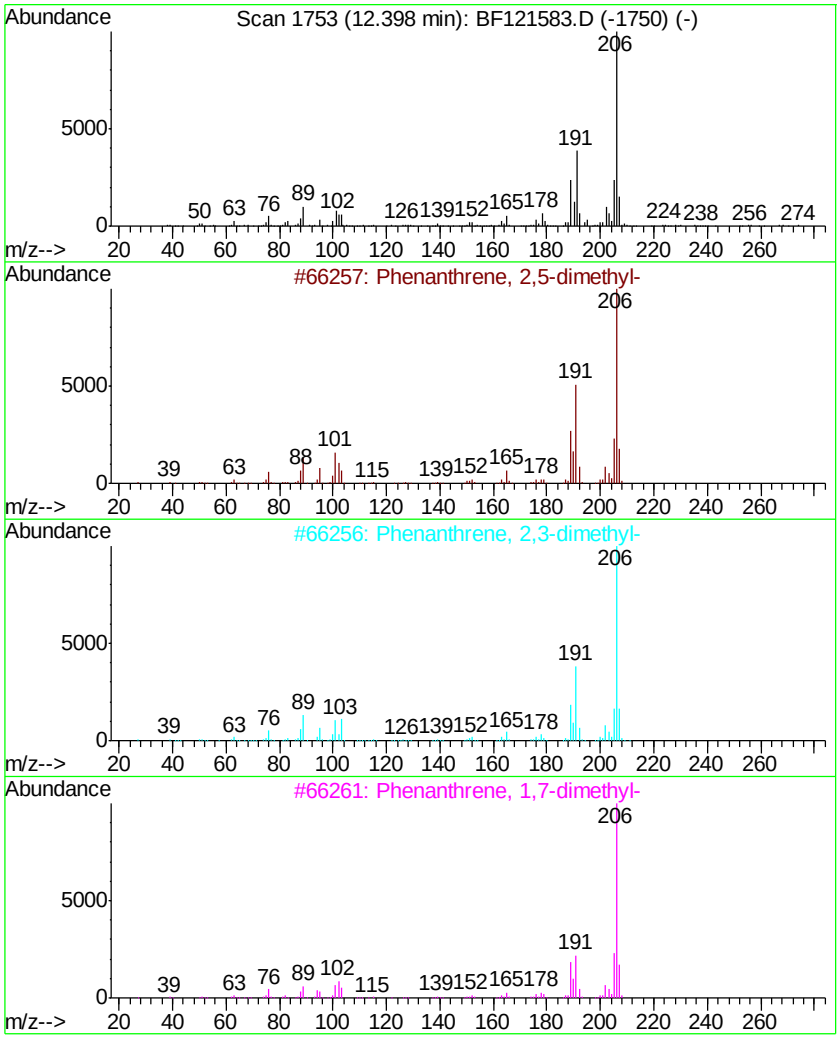
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

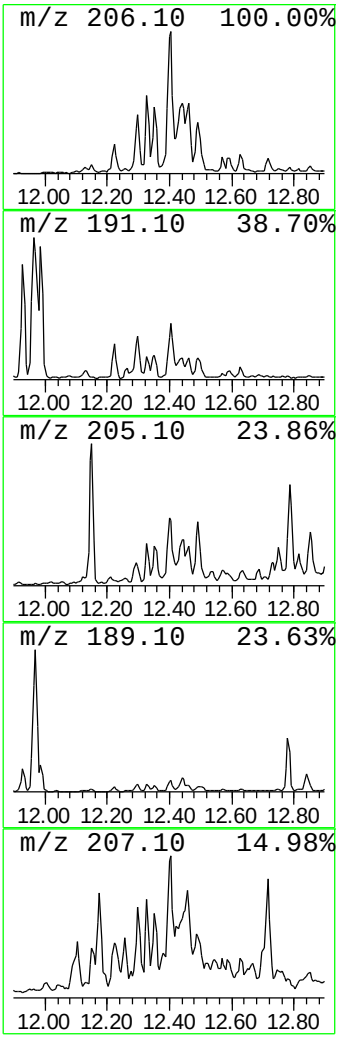
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	4.10 ng	421576	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	83
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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

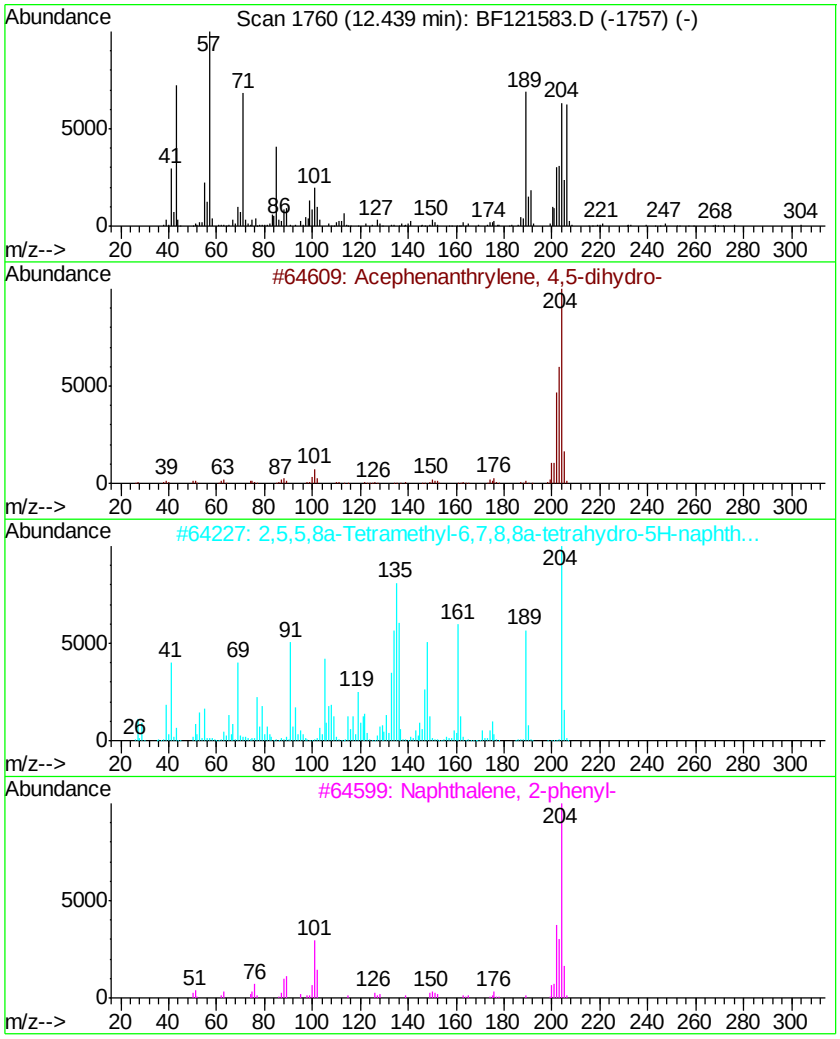
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

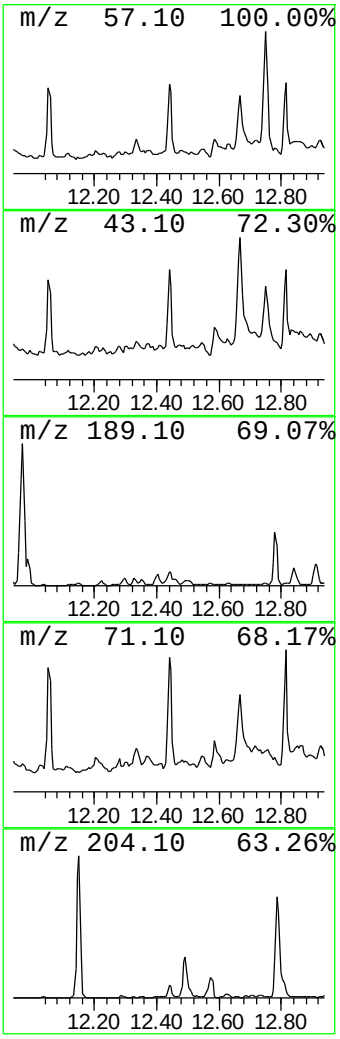
****

Peak Number 12 unknown12.44 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	3.83 ng	393842	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	35
2	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	22
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	20
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	15
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	15





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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

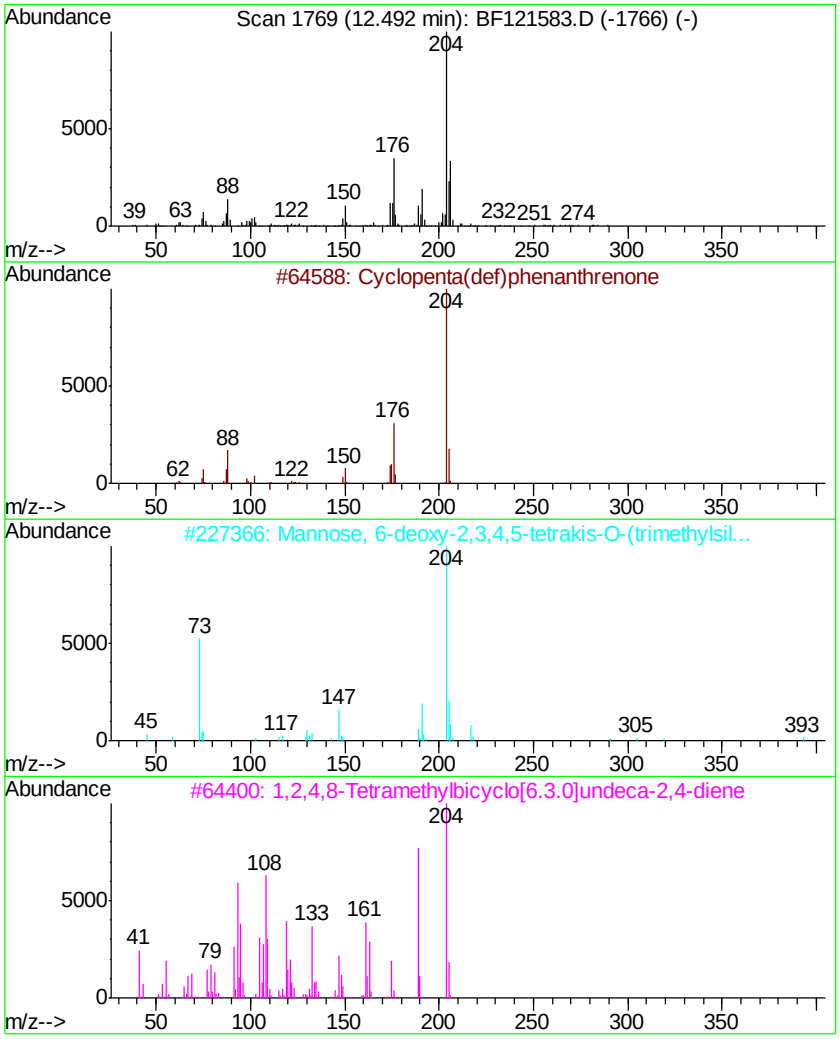
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

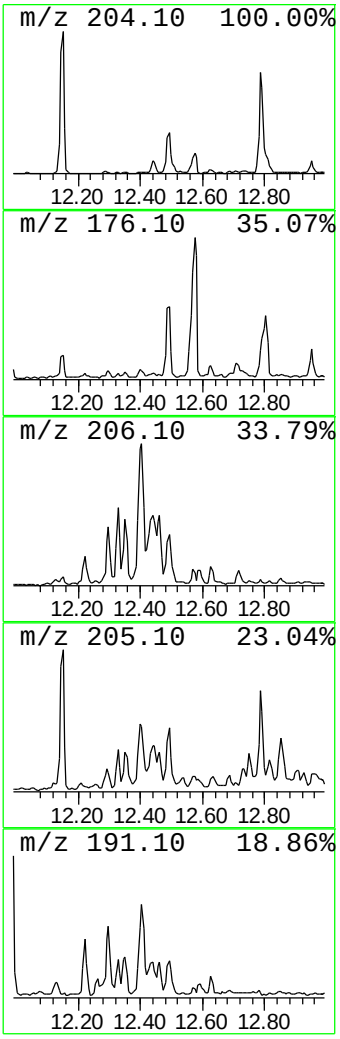
****

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	3.87 ng	397194	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	50
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
5	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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

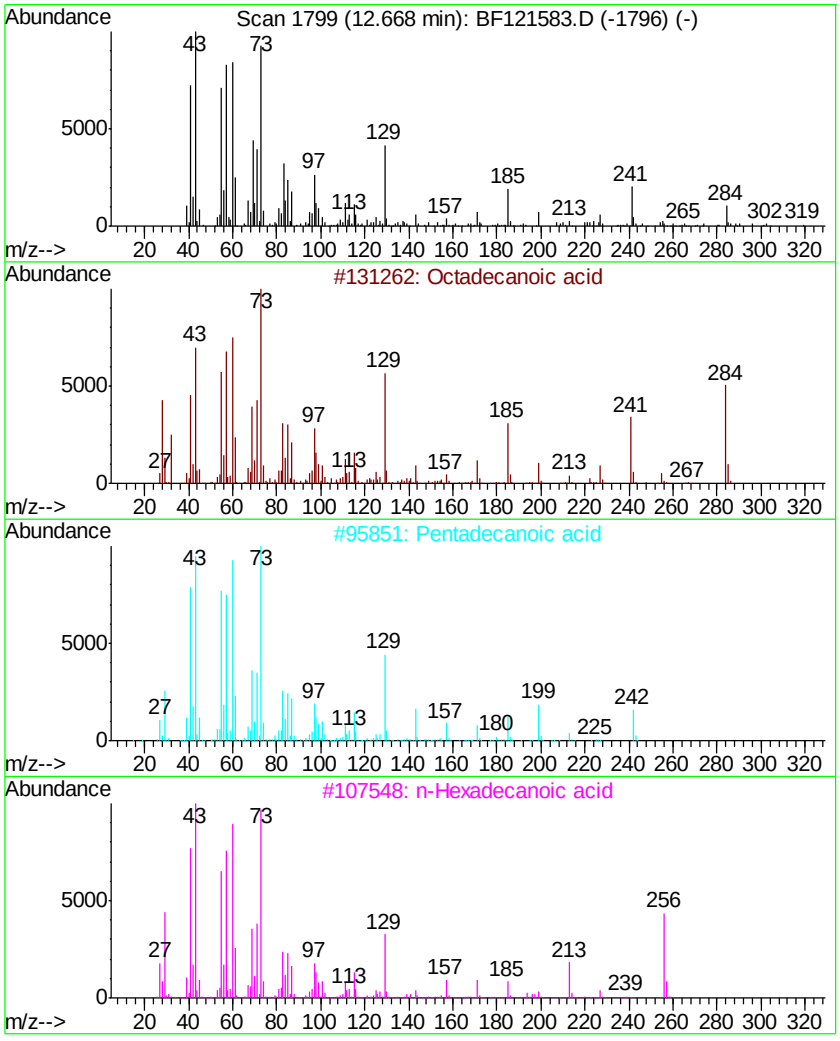
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

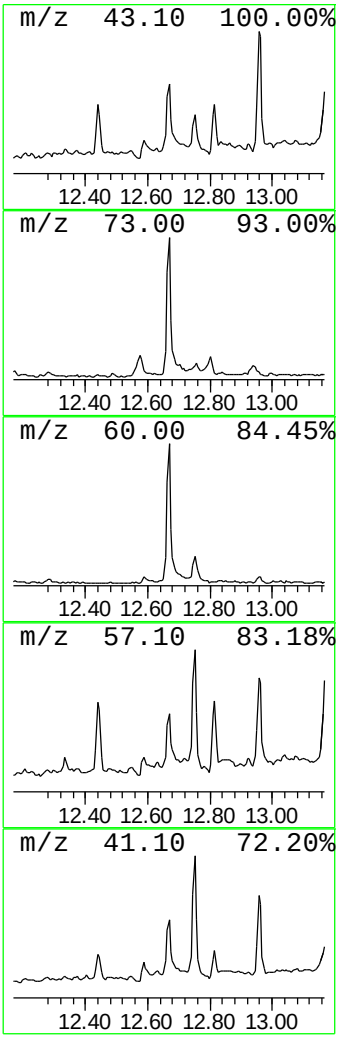
****

Peak Number 14 Octadecanoic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	3.31 ng	340437	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	86
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	Tridecanoic acid	214	C13H26O2	000638-53-9	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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

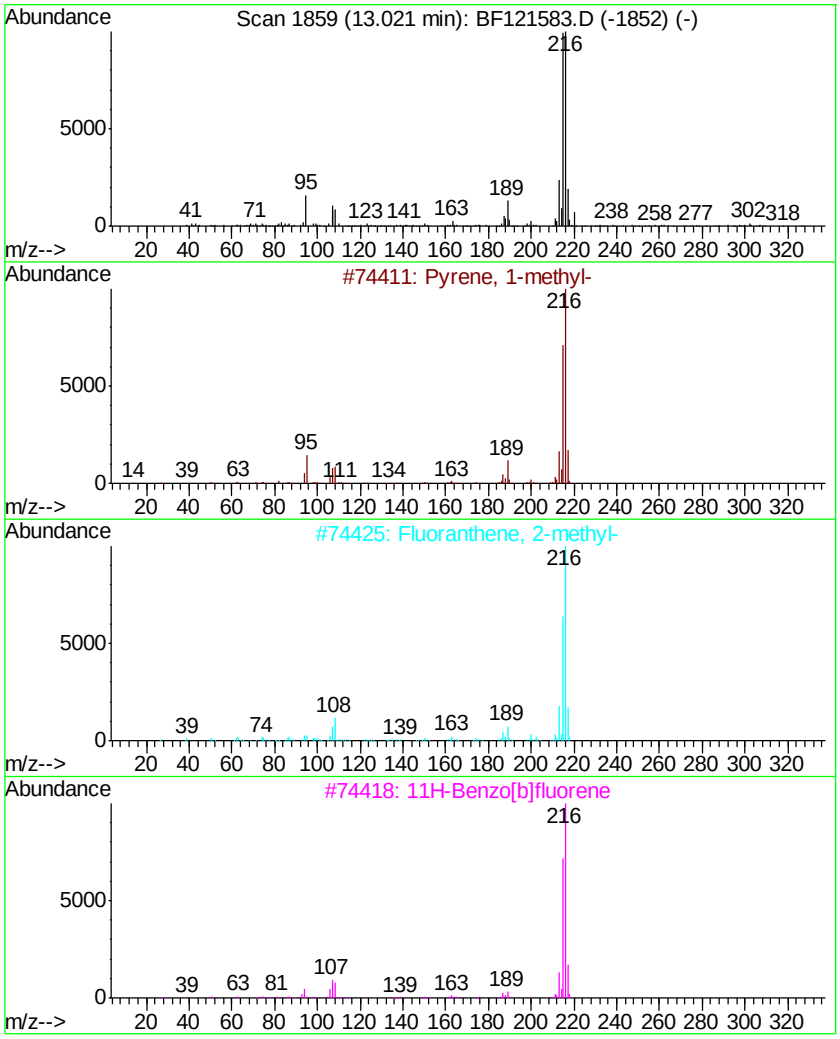
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

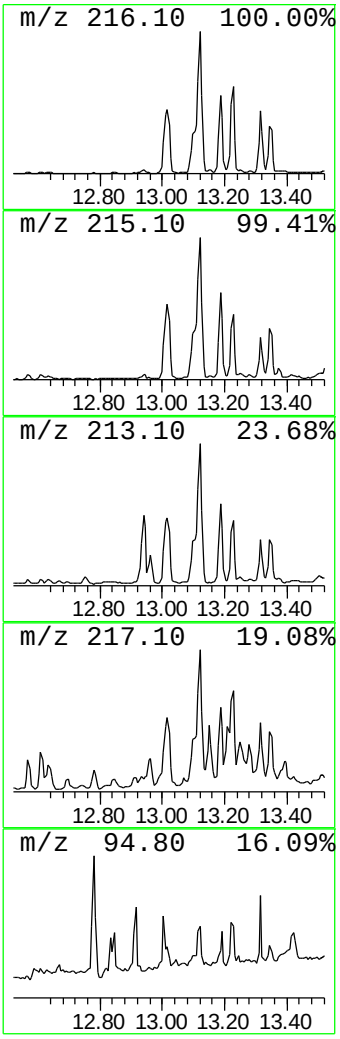
****

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	3.32 ng	696402	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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

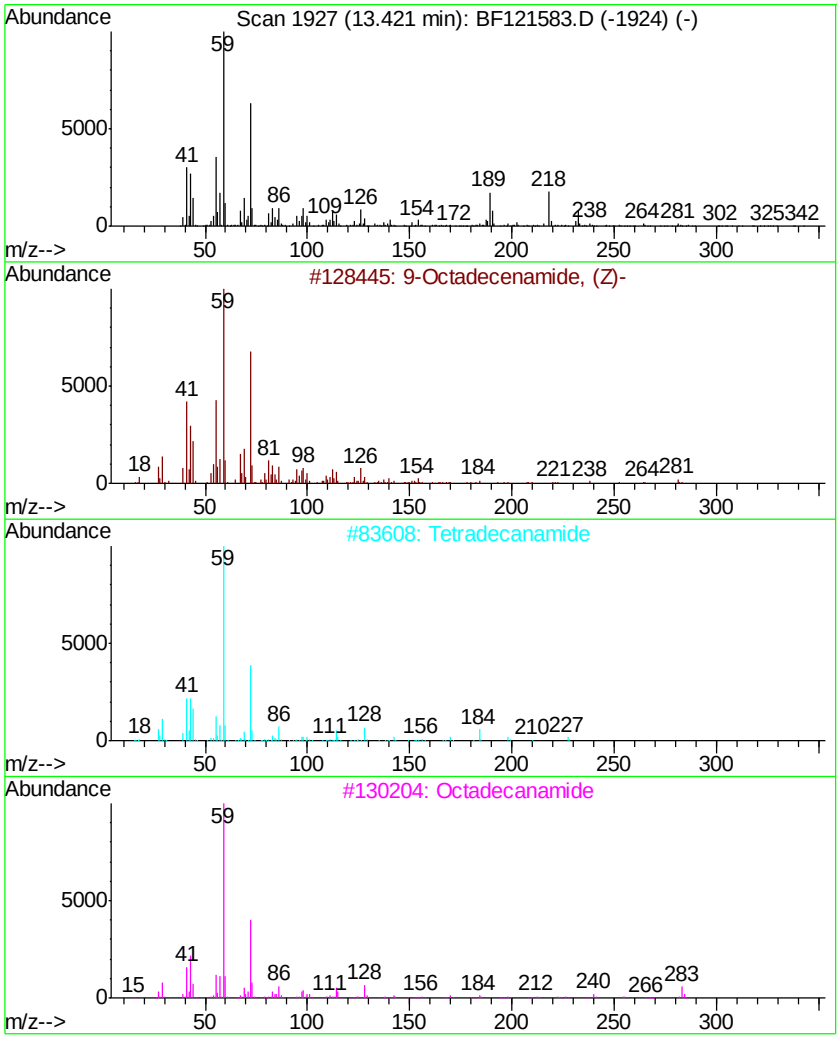
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

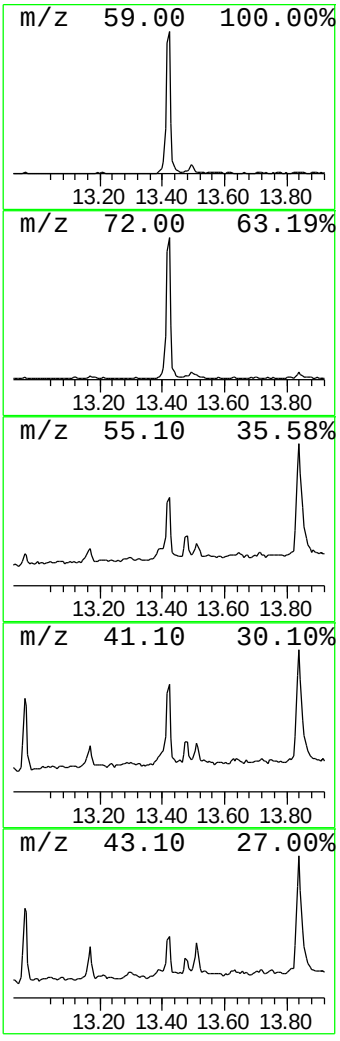
****

Peak Number 16 9-Octadecenamide, (Z)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	3.60 ng	754878	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	96
2	Tetradecanamide	227	C14H29NO	000638-58-4	64
3	Octadecanamide	283	C18H37NO	000124-26-5	64
4	Undecanamide, 11-bromo-	263	C11H22BrNO	005875-26-3	50
5	Octanamide	143	C8H17NO	000629-01-6	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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

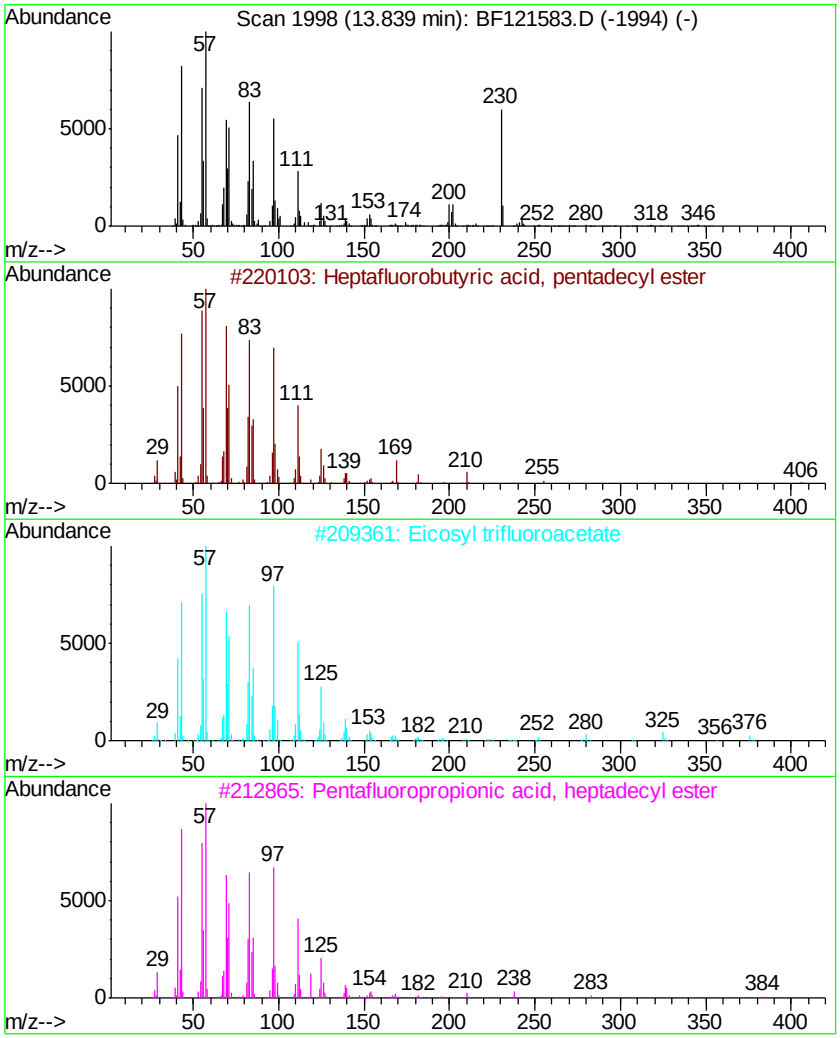
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

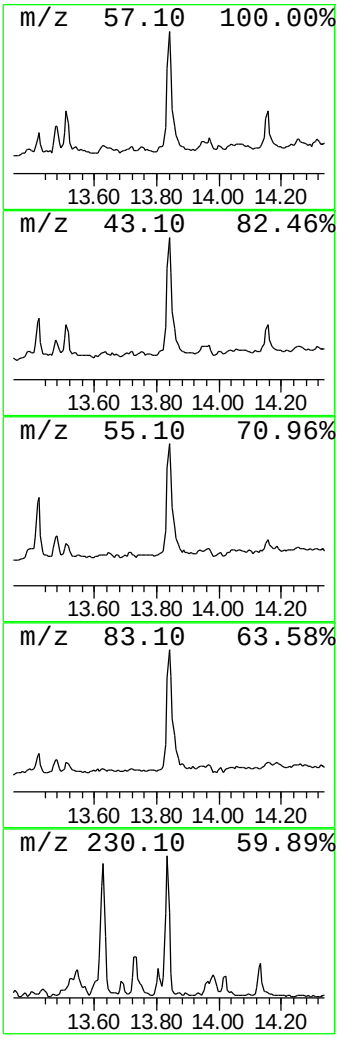
****

Peak Number 17 Heptafluorobutyric acid, pe... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	7.20 ng	1510160	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	86
2	Eicosyl trifluoroacetate	394	C22H41F3O2	1000351-75-2	70
3	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	70
4	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	70
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	70





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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

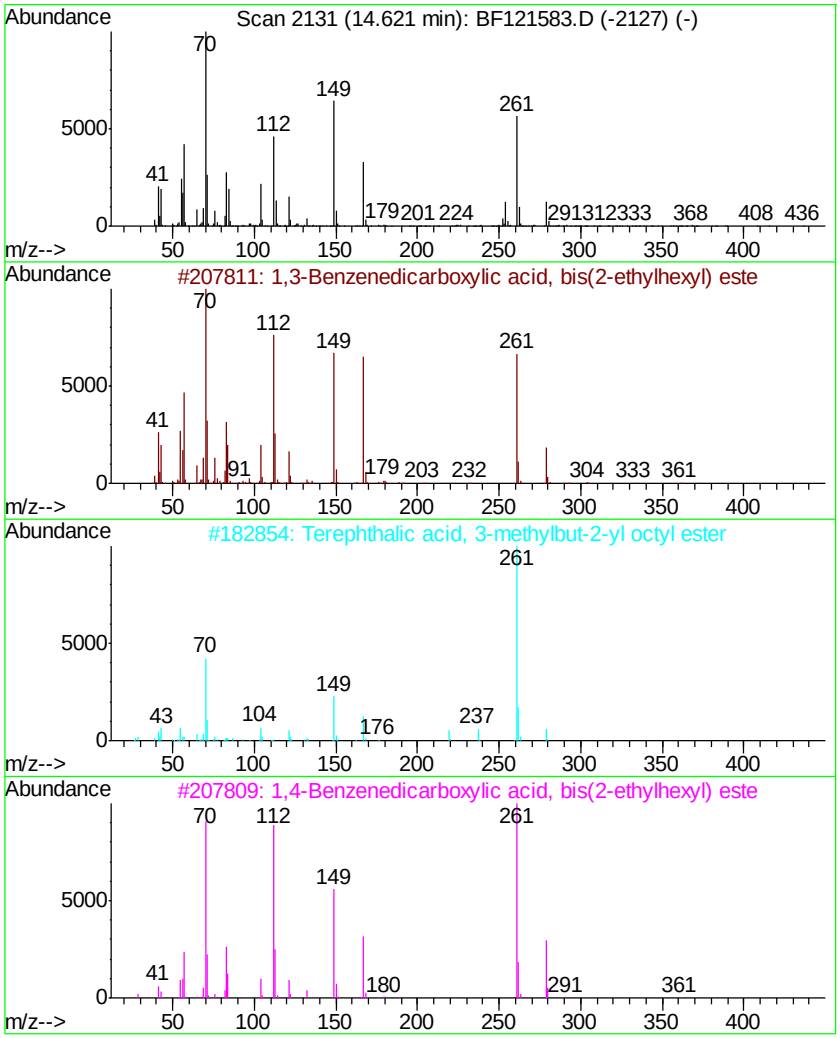
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

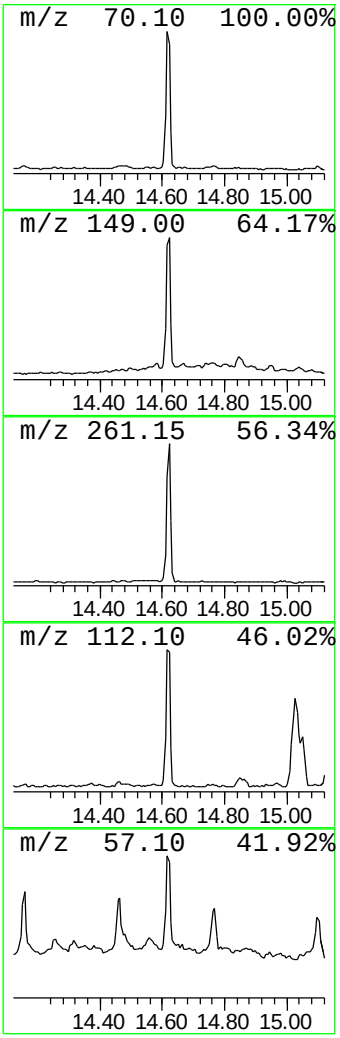
****

Peak Number 18 unknown14.62 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	3.98 ng	834964	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Benzenedicarboxylic acid, bi...	390	C24H38O4	000137-89-3	49
2	Terephthalic acid, 3-methylbut-2...	348	C21H32O4	1000356-27-6	46
3	1,4-Benzenedicarboxylic acid, bi...	390	C24H38O4	006422-86-2	43
4	Terephthalic acid, monochloride,...	296	C16H21ClO3	1000324-22-9	43
5	Terephthalic acid, 3-hexyl octyl...	362	C22H34O4	1000356-23-1	30





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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

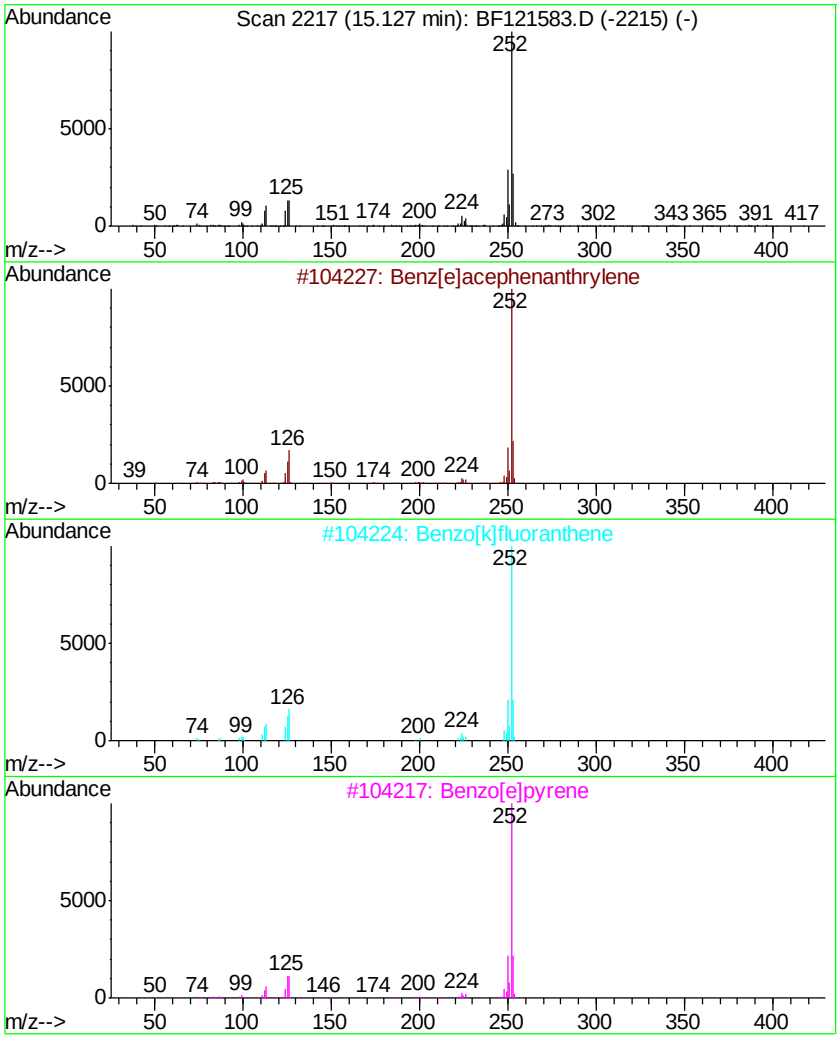
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

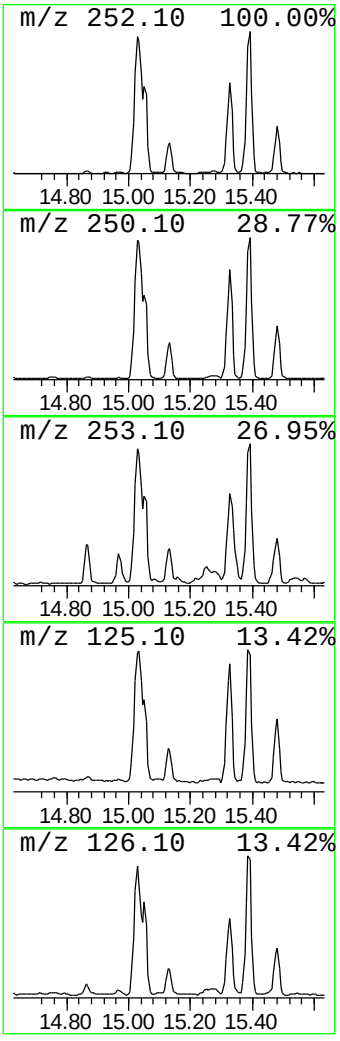
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	5.02 ng	317351	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[e]pyrene	252	C20H12	000192-97-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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

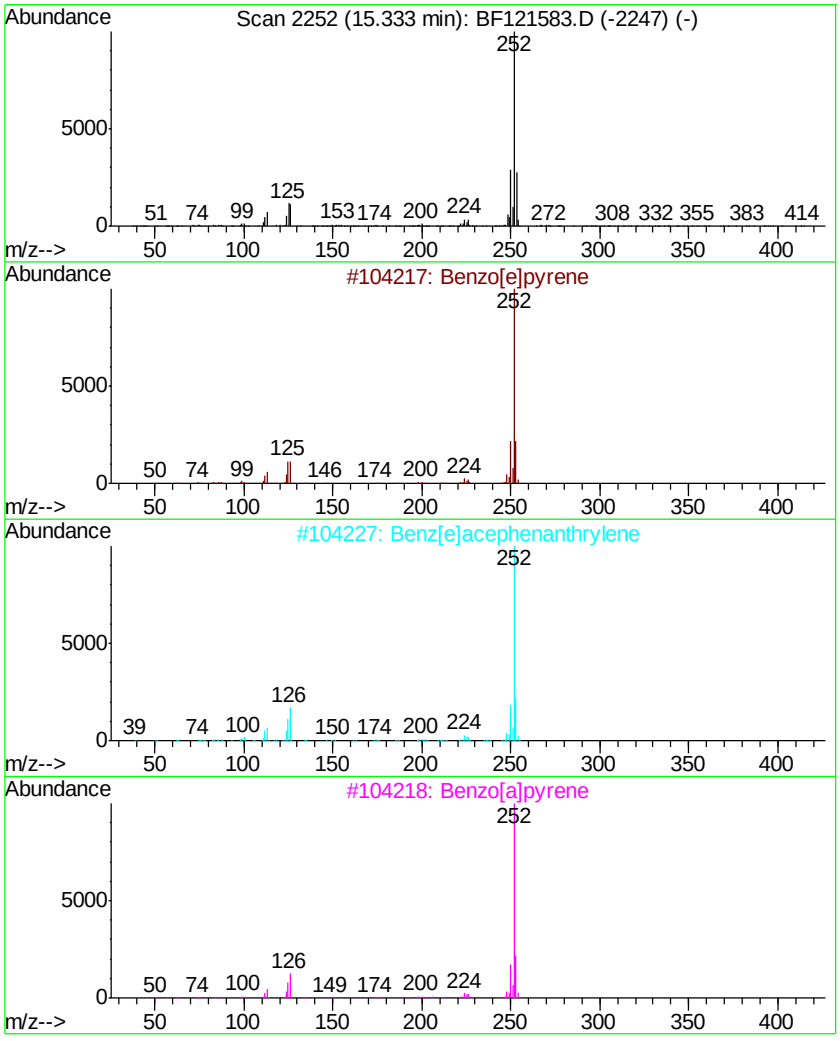
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

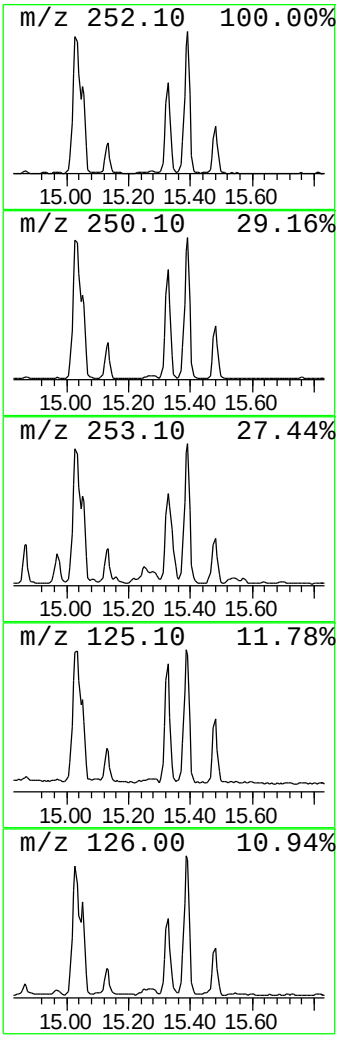
****

Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	20.49 ng	1295510	Perylene-d12	15.45

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[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091520\
Data File : BF121583.D
Acq On : 15 Sep 2020 18:02
Operator : JU/CG
Sample : L4013-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B40-091420-10-15

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
Butane, 2-methoxy...	2.17	5.8	ng	393544	1	6.83	1361450	20.0
9H-Fluorene, 1-me...	10.96	3.3	ng	338523	4	11.36	2055110	20.0
9H-Fluoren-9-one	11.16	3.3	ng	336001	4	11.36	2055110	20.0
Dibenzothiophene	11.25	5.9	ng	602443	4	11.36	2055110	20.0
Dibenzo[a,e]cyclo...	11.64	3.7	ng	383683	4	11.36	2055110	20.0
Anthracene, 2-met...	11.85	7.4	ng	759160	4	11.36	2055110	20.0
Phenanthrene, 2-m...	11.89	17.7	ng	1820730	4	11.36	2055110	20.0
1H-Cyclopropa[l]p...	11.93	4.5	ng	460967	4	11.36	2055110	20.0
4H-Cyclopenta[def...	11.97	14.1	ng	1444860	4	11.36	2055110	20.0
Naphthalene, 2-ph...	12.15	7.4	ng	762506	4	11.36	2055110	20.0
Phenanthrene, 2,5...	12.40	4.1	ng	421576	4	11.36	2055110	20.0
unknown12.44	12.44	3.8	ng	393842	4	11.36	2055110	20.0
Cyclopenta(def)ph...	12.49	3.9	ng	397194	4	11.36	2055110	20.0
Octadecanoic acid	12.67	3.3	ng	340437	4	11.36	2055110	20.0
Pyrene, 1-methyl-	13.02	3.3	ng	696402	5	13.99	4195460	20.0
9-Octadecenamide,...	13.42	3.6	ng	754878	5	13.99	4195460	20.0
Heptafluorobutyri...	13.84	7.2	ng	1510160	5	13.99	4195460	20.0
unknown14.62	14.62	4.0	ng	834964	5	13.99	4195460	20.0
Benzo[e]pyrene	15.13	5.0	ng	317351	6	15.45	1264780	20.0
Perylene	15.33	20.5	ng	1295510	6	15.45	1264780	20.0