LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116838.D
Acq On : 5 Sep 2019 15:21
Operator : HP/JU
Sample : K4680-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-1-4-(0-1.5)

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-BF083019.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	5.463	569	574	577	rBV	1368008	1232133	74.04%	5.930%
2	6.475	742	746	758	rBV	1383158	1432854	86.10%	6.896%
3	6.616	766	770	773	rBV	1703504	1401914	84.25%	6.748%
4	6.845	805	809	812	rBV	660649	512520	30.80%	2.467%
5	7.004	832	836	839	rBV	1267827	1059505	63.67%	5.099%
6	7.404	899	904	907	rBV	985566	841739	50.58%	4.051%
7	8.128	1023	1027	1030	rBV	864726	700856	42.12%	3.373%
8	8.839	1145	1148	1153	rBV	39350	31347	1.88%	0.151%
9	9.198	1205	1209	1212	rBV	2058096	1664083	100.00%	8.009%
10	9.539	1263	1267	1270	rBV2	34757	33472	2.01%	0.161%
11	9.586	1273	1275	1281	rVB	170247	143097	8.60%	0.689%
12	9.739	1298	1301	1306	rBV	55712	44983	2.70%	0.217%
13	9.881	1321	1325	1328	rBV	1032018	823764	49.50%	3.965%
14	10.081	1355	1359	1363	rBV4	21756	21489	1.29%	0.103%
15	10.228	1381	1384	1390	rVB2	12084	20294	1.22%	0.098%
16	10.286	1390	1394	1396	rBV2	17307	19739	1.19%	0.095%
17	10.422	1415	1417	1422	rVB3	16509	22880	1.37%	0.110%
18	10.663	1454	1458	1462	rBV	991478	932847	56.06%	4.490%
19	10.792	1476	1480	1484	rBV4	28456	38222	2.30%	0.184%
20	10.975	1506	1511	1513	rBV4	21181	34059	2.05%	0.164%
21	11.169	1541	1544	1548	rBV4	17036	20509	1.23%	0.099%
22	11.228	1550	1554	1557	rBV3	52107	75474	4.54%	0.363%
23	11.257	1557	1559	1562	rVB2	36217	33288	2.00%	0.160%
24	11.363	1573	1577	1579	rBV	953478	823147	49.47%	3.962%
25	11.386	1579	1581	1585	rVV	298450	234589	14.10%	1.129%
26	11.433	1587	1589	1592	rVB	43956	41407	2.49%	0.199%
27	11.692	1631	1633	1637	rVB	56911	46805	2.81%	0.225%
28	11.775	1645	1647	1652	rVB	33644	35374	2.13%	0.170%
29	11.863	1659	1662	1664	rBV	114716	103757	6.24%	0.499%
30	11.886	1664	1666	1670	rVV2	243621	252461	15.17%	1.215%
31	11.916	1670	1671	1674	rVV	51491	45204	2.72%	0.218%
32	11.975	1678	1681	1683	rVV2	145788	163060	9.80%	0.785%
33	11.998	1683	1685	1689	rVB	91018	75780	4.55%	0.365%
34	12.098	1700	1702	1705	rBV2	30840	22355	1.34%	0.108%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116838.D
Acq On : 5 Sep 2019 15:21
Operator : HP/JU
Sample : K4680-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-1-4-(0-1.5)

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-BF083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.157	1709	1712	1714	rVV	73634	61965	3.72%	0.298%
36	12.180	1714	1716	1723	rVB3	53543	81660	4.91%	0.393%
37	12.339	1741	1743	1745	rBV	57041	39681	2.38%	0.191%
38	12.416	1752	1756	1758	rBV	127253	133013	7.99%	0.640%
39	12.451	1759	1762	1764	rVV	68908	78128	4.69%	0.376%
40	12.498	1767	1770	1774	rVV2	57182	57394	3.45%	0.276%
41	12.575	1780	1783	1786	rVB	331731	262864	15.80%	1.265%
42	12.616	1788	1790	1796	rVB6	42516	60998	3.67%	0.294%
43	12.669	1796	1799	1802	rBV	109326	108222	6.50%	0.521%
44	12.804	1818	1822	1824	rBV	382314	352452	21.18%	1.696%
45	12.945	1842	1846	1849	rBV	1781588	1523336	91.54%	7.332%
46	13.016	1855	1858	1866	rBV5	67350	120916	7.27%	0.582%
47	13.104	1870	1873	1875	rVV3	55081	74355	4.47%	0.358%
48	13.127	1875	1877	1880	rVB	94410	79366	4.77%	0.382%
49	13.233	1892	1895	1899	rVB2	88890	86375	5.19%	0.416%
50	13.327	1908	1911	1913	rVB	83444	71545	4.30%	0.344%
51	13.357	1913	1916	1919	rVB	73400	69007	4.15%	0.332%
52	13.392	1920	1922	1924	rBV2	33959	32291	1.94%	0.155%
53	13.633	1961	1963	1967	rVB	61104	60145	3.61%	0.289%
54	13.698	1972	1974	1977	rVB	33506	28302	1.70%	0.136%
55	13.745	1978	1982	1985	rBV3	89164	112965	6.79%	0.544%
56	13.774	1985	1987	1989	rVB	48456	35800	2.15%	0.172%
57	13.798	1989	1991	1994	rBV2	37391	32839	1.97%	0.158%
58	13.833	1994	1997	2003	rVV2	263735	340116	20.44%	1.637%
59	13.998	2018	2025	2028	rBV3	845001	1111531	66.80%	5.350%
60	14.021	2028	2029	2032	rVB	198662	106906	6.42%	0.515%
61	14.080	2037	2039	2042	rBV	39580	40933	2.46%	0.197%
62	14.139	2046	2049	2050	rVV	40181	39135	2.35%	0.188%
63	14.157	2050	2052	2055	rVB2	81934	73946	4.44%	0.356%
64	14.251	2066	2068	2071	rVB3	34221	26498	1.59%	0.128%
65	14.345	2082	2084	2086	rBV	28749	24859	1.49%	0.120%
66	14.380	2086	2090	2093	rVV	102612	120715	7.25%	0.581%
67	14.416	2094	2096	2099	rVB	64354	46484	2.79%	0.224%
68	14.463	2102	2104	2109	rVV2	90349	119980	7.21%	0.577%
69	14.516	2109	2113	2118	rVB2	364966	373398	22.44%	1.797%
70	14.768	2153	2156	2158	rBV	100478	95192	5.72%	0.458%
71	14.839	2166	2168	2171	rBV4	26964	30406	1.83%	0.146%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116838.D
Acq On : 5 Sep 2019 15:21
Operator : HP/JU
Sample : K4680-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-1-4-(0-1.5)

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-BF083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.033	2196	2201	2208	rBV	129380	255967	15.38%	1.232%
73	15.098	2209	2212	2216	rVV	96258	107502	6.46%	0.517%
74	15.327	2248	2251	2257	rVB	98137	130343	7.83%	0.627%
75	15.392	2258	2262	2267	rVB	109096	136083	8.18%	0.655%
76	15.457	2268	2273	2281	rBV	476963	762140	45.80%	3.668%
77	15.910	2346	2350	2355	rVB	68494	104202	6.26%	0.502%
78	16.410	2429	2435	2440	rBV2	56662	107037	6.43%	0.515%
79	16.904	2515	2519	2526	rVB3	37972	74653	4.49%	0.359%

Sum of corrected areas: 20776652

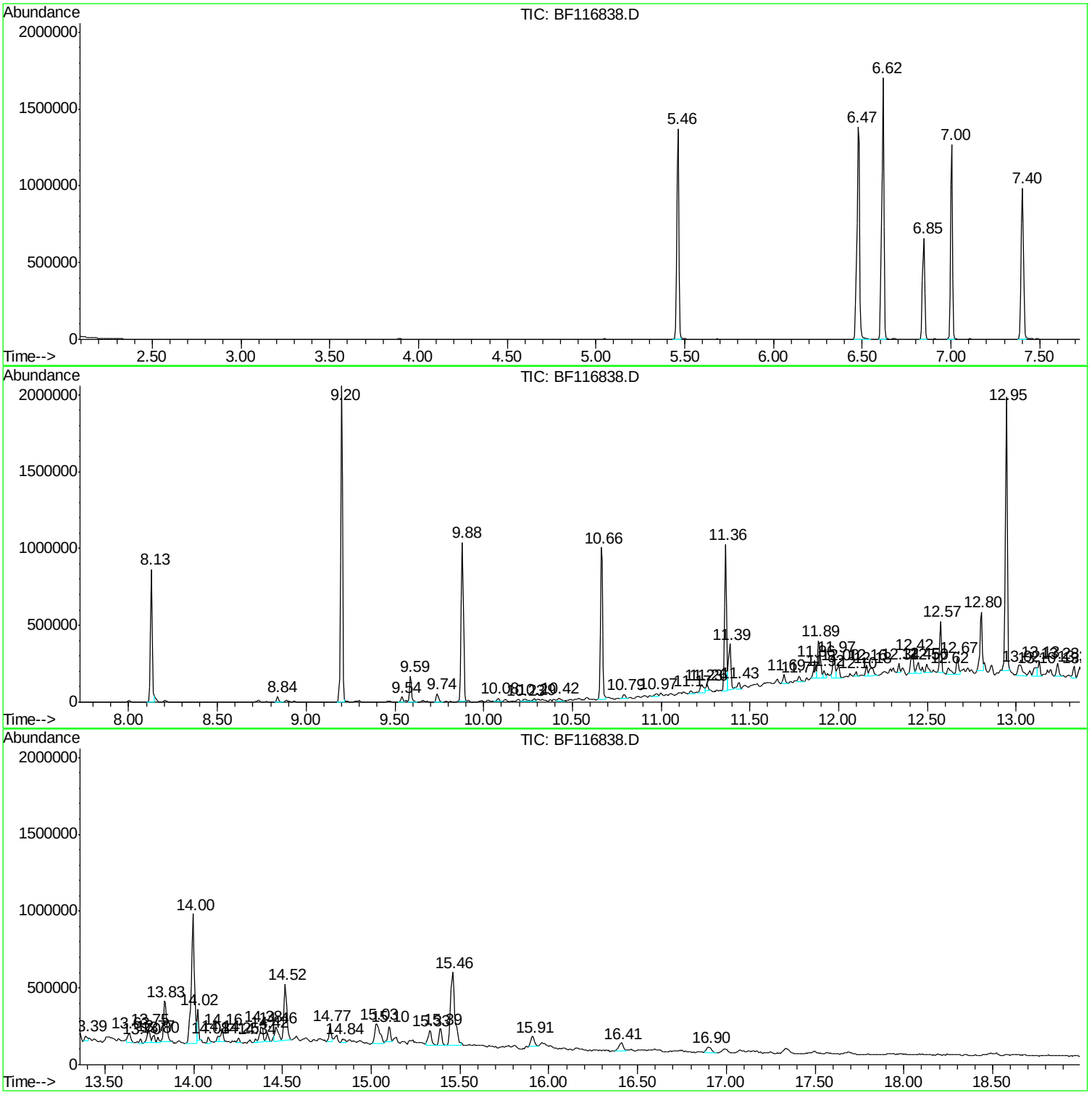
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116838.D
Acq On : 5 Sep 2019 15:21
Operator : HP/JU
Sample : K4680-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-1-4-(0-1.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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\BF090519\
Data File : BF116838.D
Acq On : 5 Sep 2019 15:21
Operator : HP/JU
Sample : K4680-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-1-4-(0-1.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

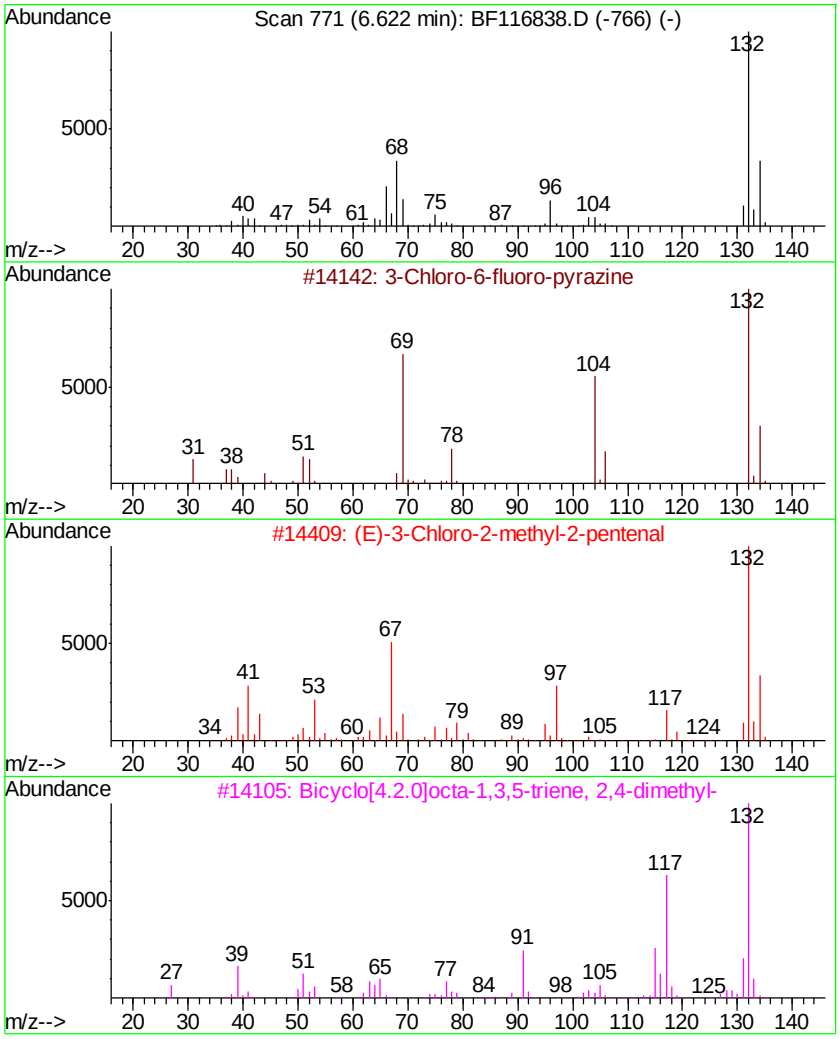
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

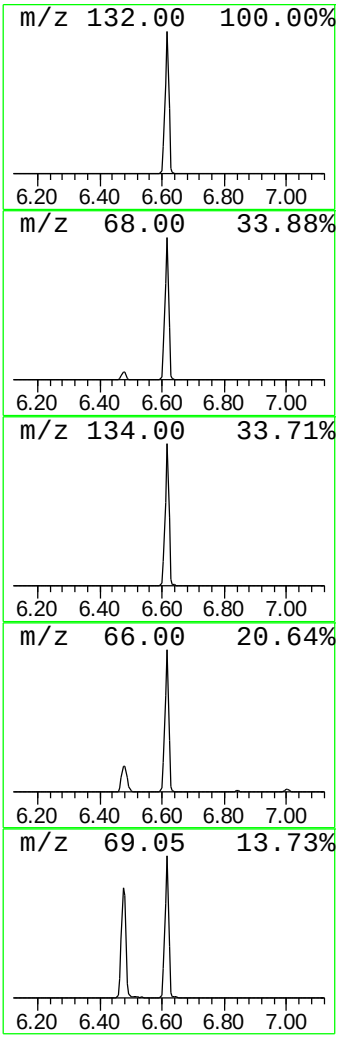
****

Peak Number 1 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	54.71 ng	1401910	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	Xenon	132	Xe	007440-63-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116838.D
Acq On : 5 Sep 2019 15:21
Operator : HP/JU
Sample : K4680-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-1-4-(0-1.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

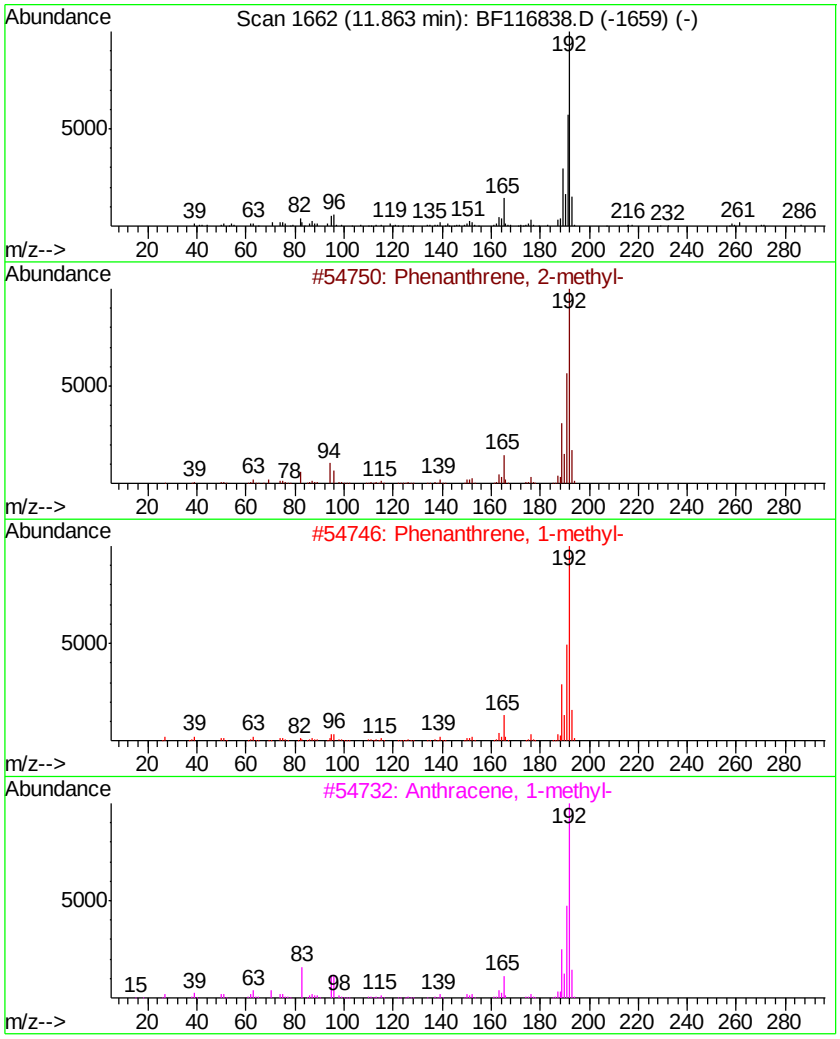
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

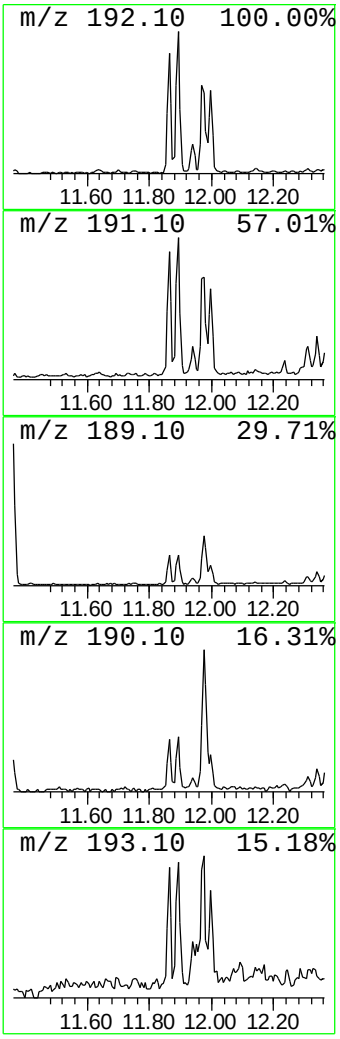
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	2.52 ng	103757	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116838.D
Acq On : 5 Sep 2019 15:21
Operator : HP/JU
Sample : K4680-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-1-4-(0-1.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

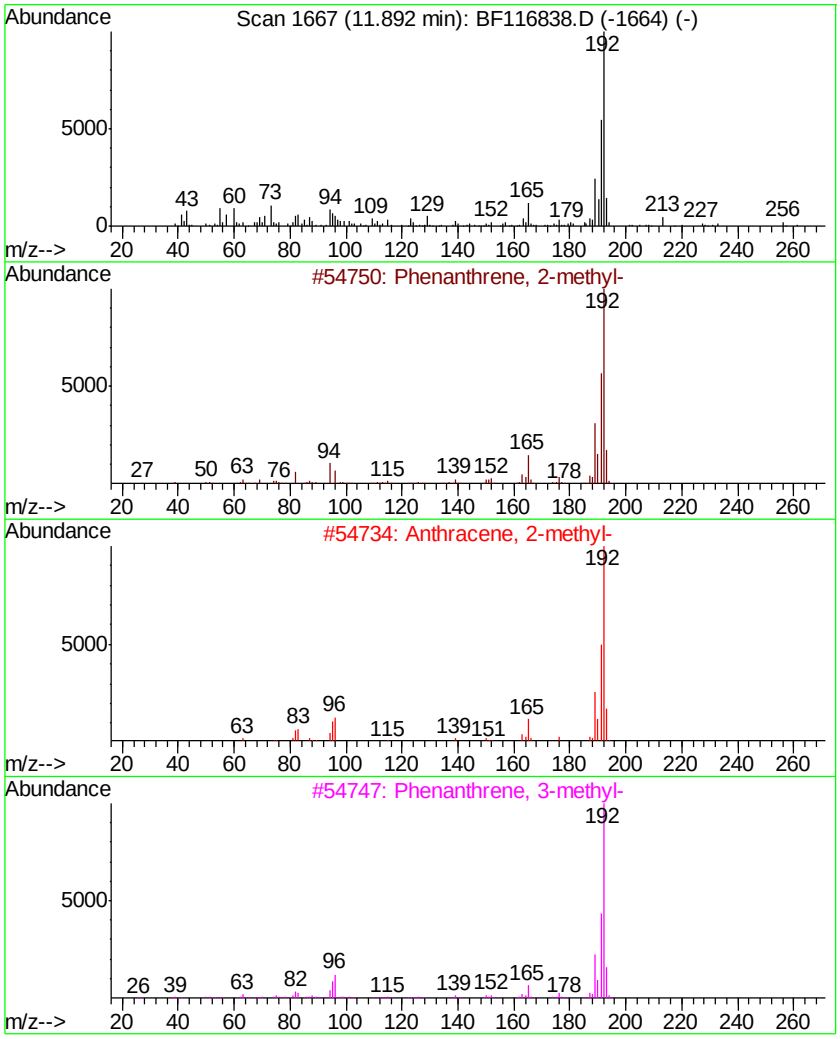
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

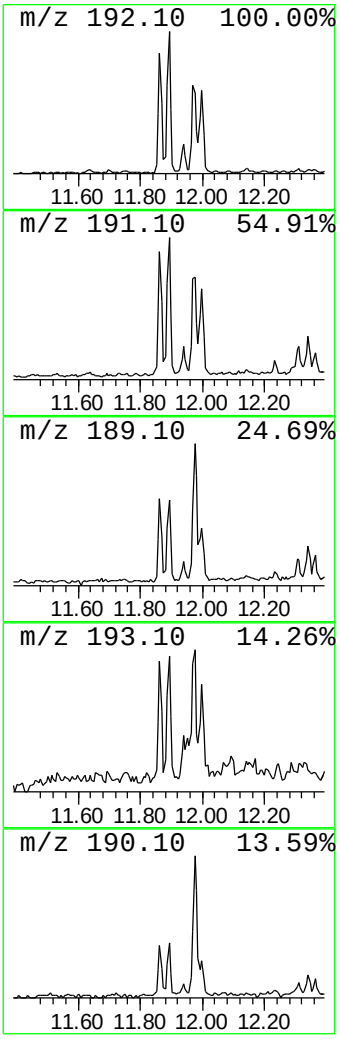
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	6.13 ng	252461	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	78
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116838.D
Acq On : 5 Sep 2019 15:21
Operator : HP/JU
Sample : K4680-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-1-4-(0-1.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

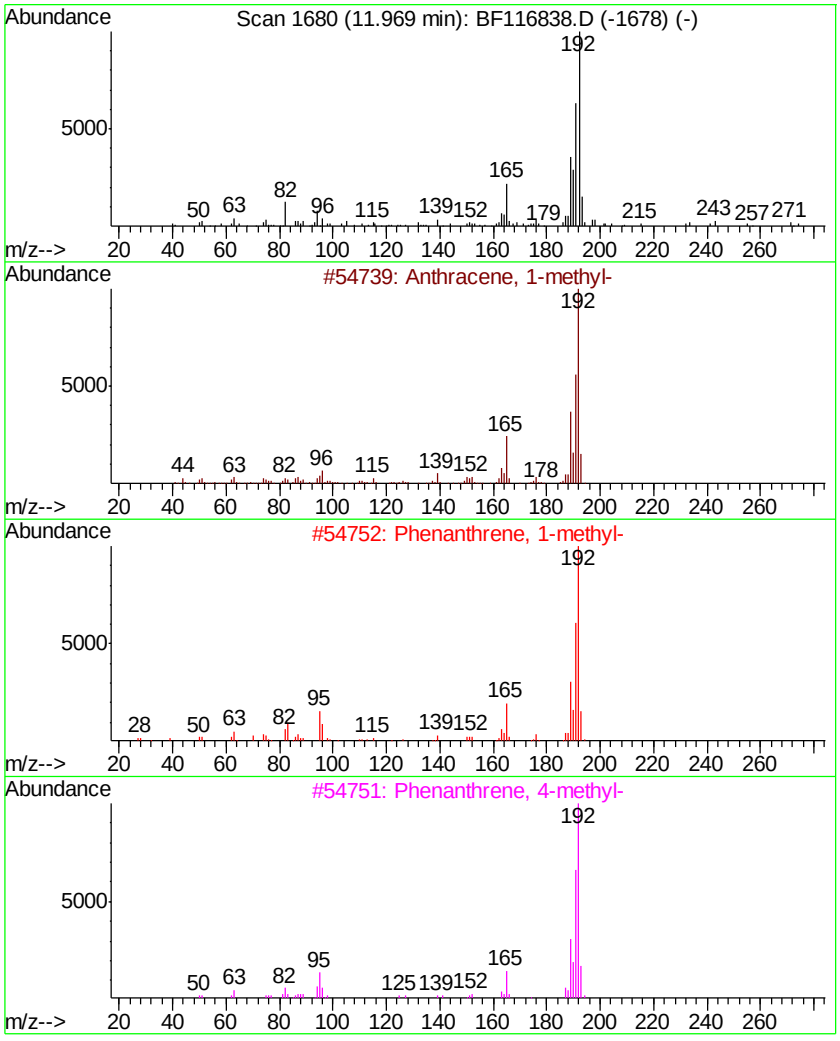
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

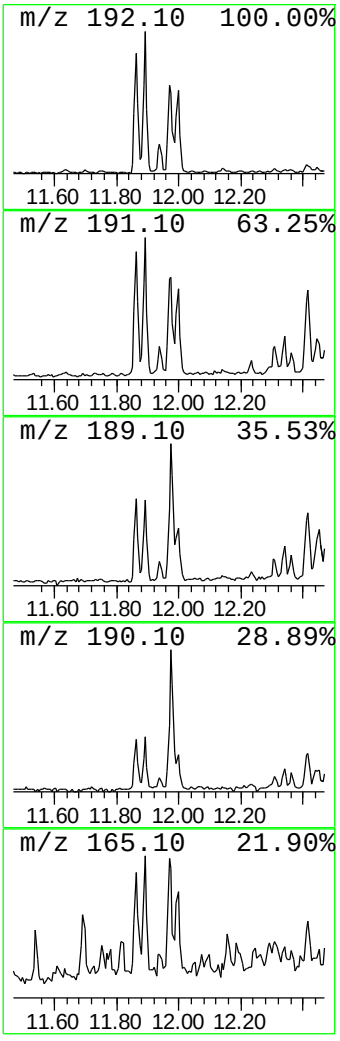
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	3.96 ng	163060	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
4	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	50
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116838.D
Acq On : 5 Sep 2019 15:21
Operator : HP/JU
Sample : K4680-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-1-4-(0-1.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

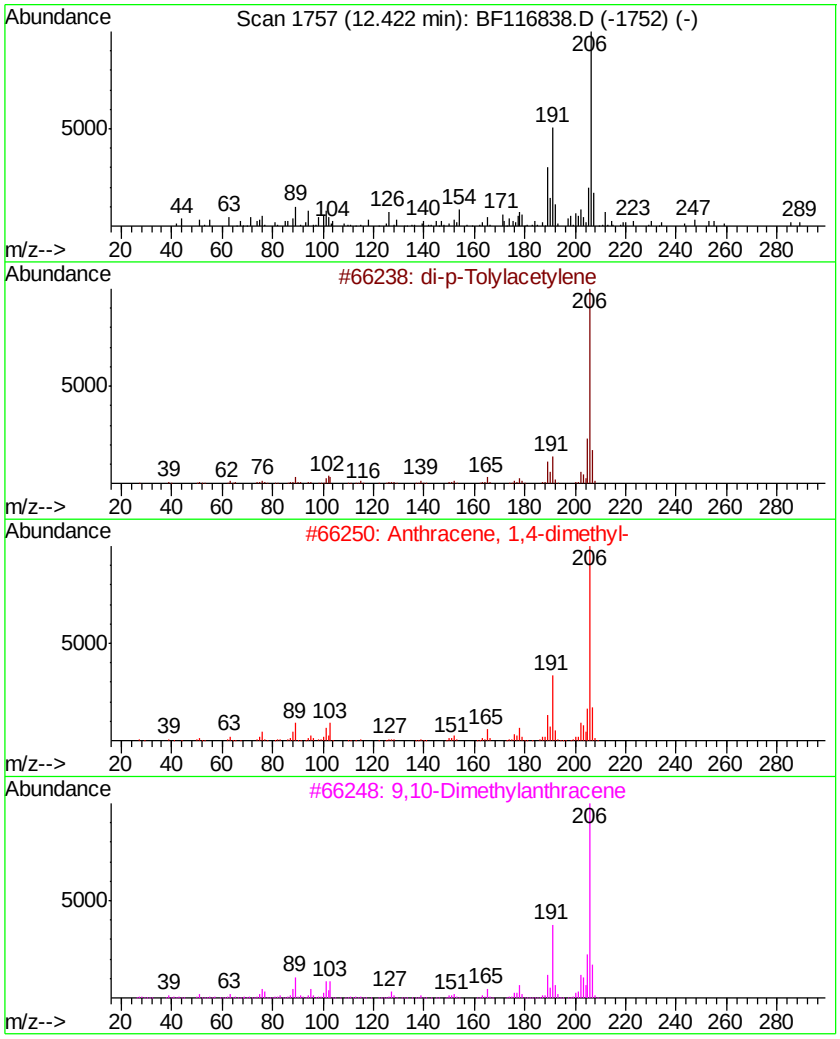
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

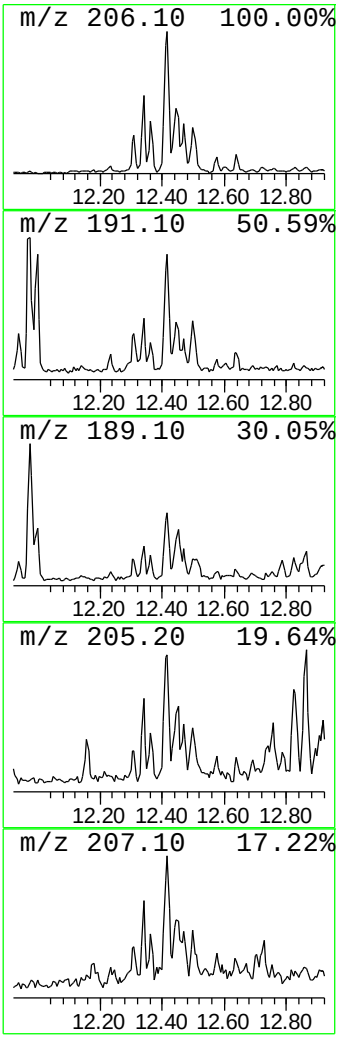
****

Peak Number 6 di-p-Tolylacetylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	3.23 ng	133013	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116838.D
Acq On : 5 Sep 2019 15:21
Operator : HP/JU
Sample : K4680-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-1-4-(0-1.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

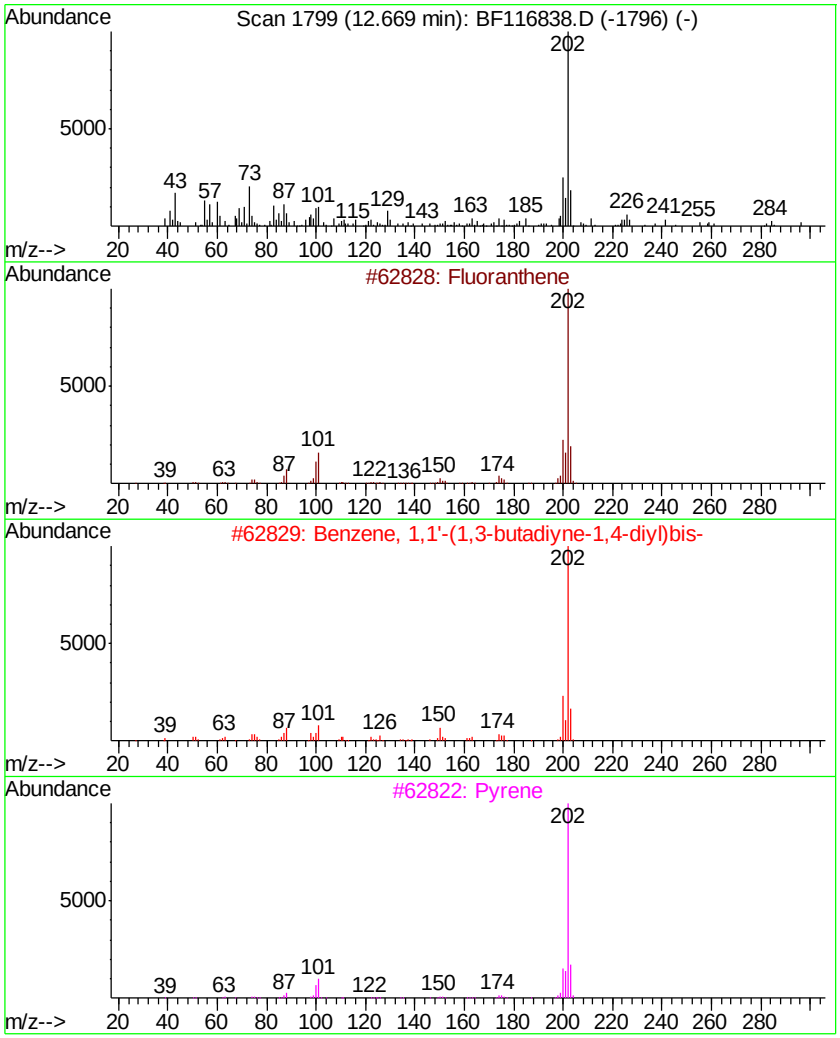
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

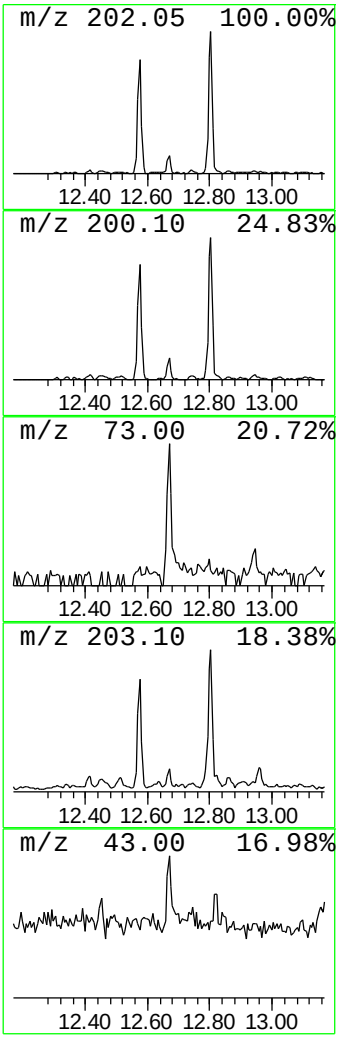
****

Peak Number 7 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	2.63 ng	108222	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	60
2	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	60
3	Pyrene	202	C16H10	000129-00-0	52
4	2-Naphthoic acid, 6-methoxy-	202	C12H10O3	002471-70-7	43
5	1,4-Pentadiyn-3-one, 1,5-diphenyl-	230	C17H10O	015814-30-9	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116838.D
Acq On : 5 Sep 2019 15:21
Operator : HP/JU
Sample : K4680-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-1-4-(0-1.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

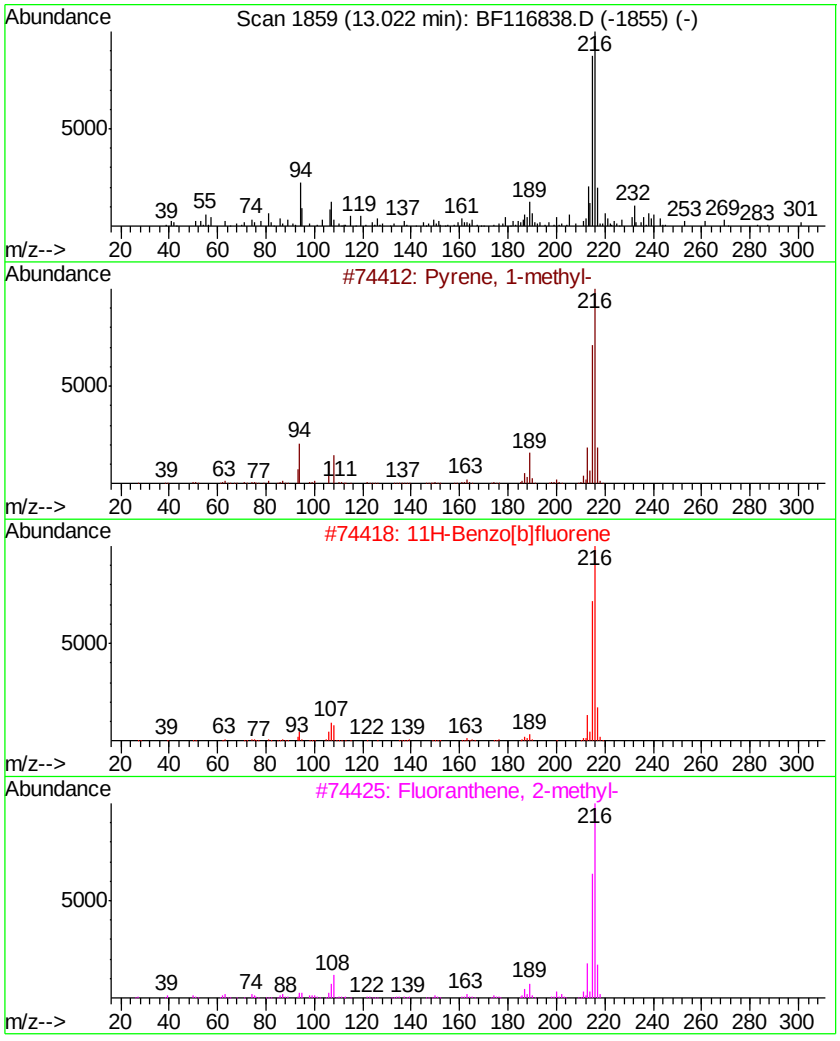
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

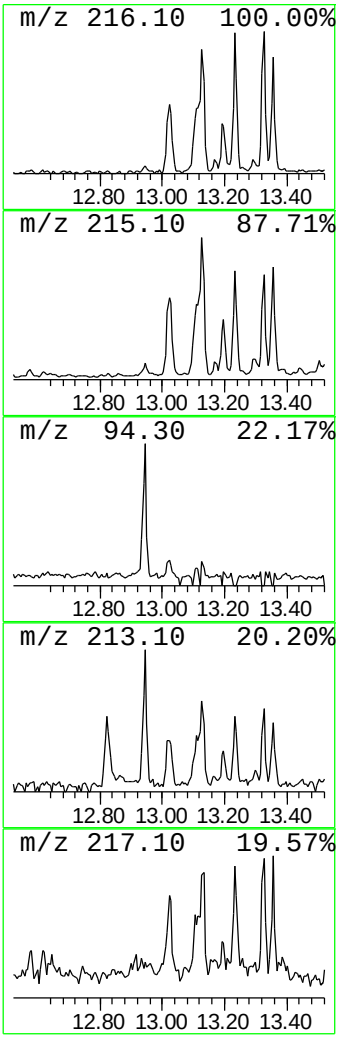
****

Peak Number 8 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	2.18 ng	120916	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	58
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	49
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	43
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116838.D
Acq On : 5 Sep 2019 15:21
Operator : HP/JU
Sample : K4680-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-1-4-(0-1.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

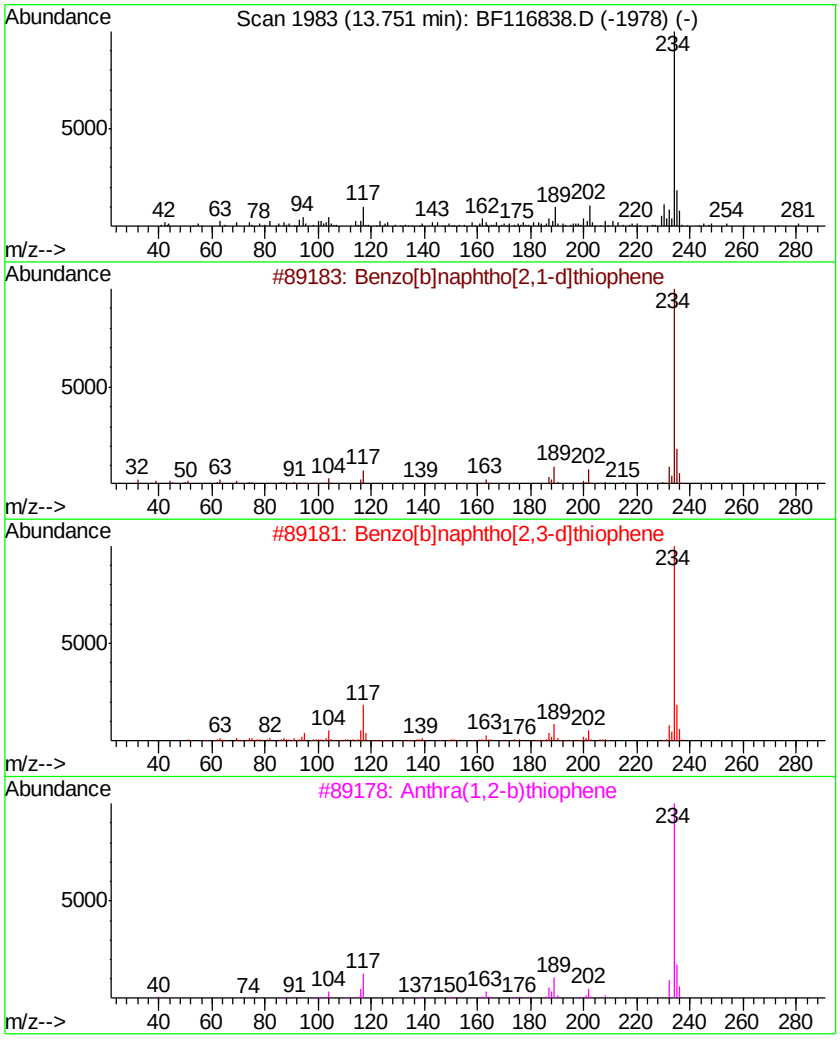
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

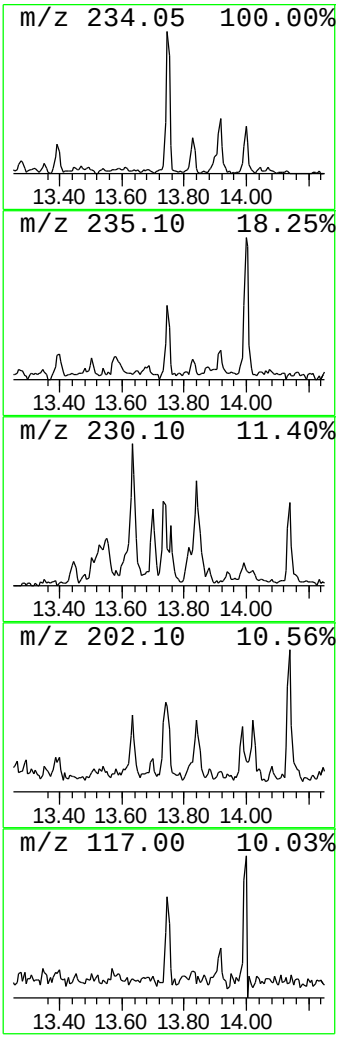
****

Peak Number 9 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	2.03 ng	112965	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	83
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	81
5	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116838.D
Acq On : 5 Sep 2019 15:21
Operator : HP/JU
Sample : K4680-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-1-4-(0-1.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

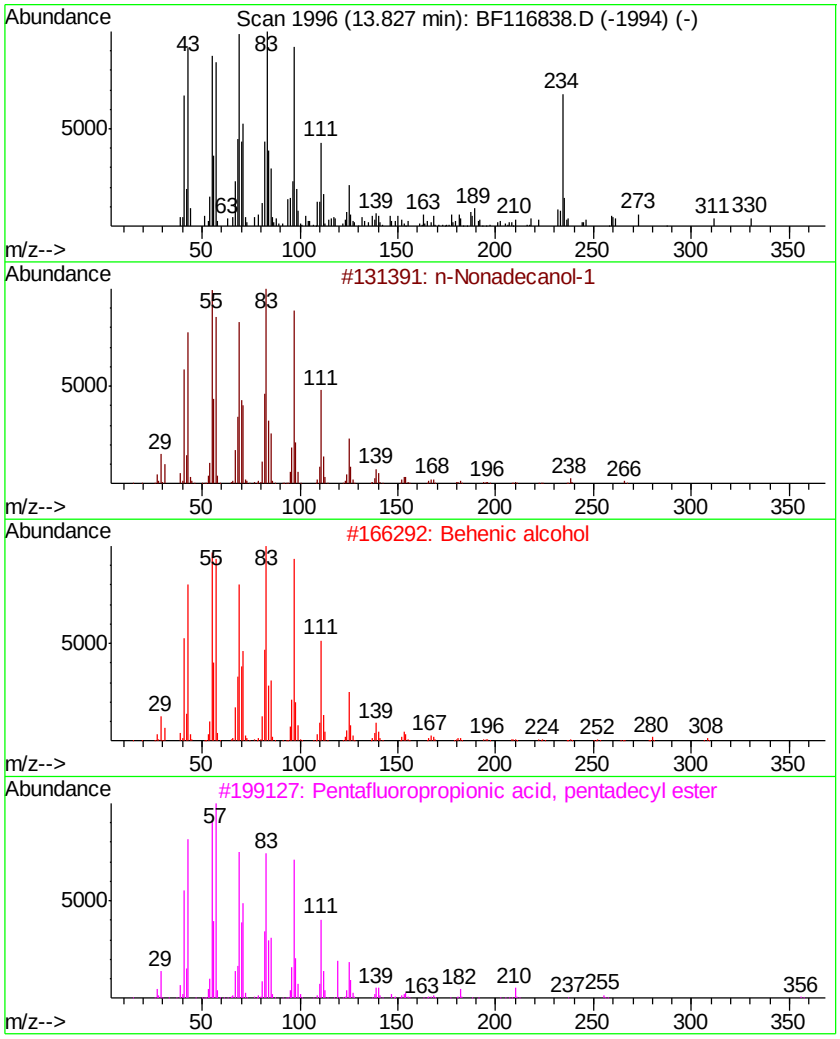
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

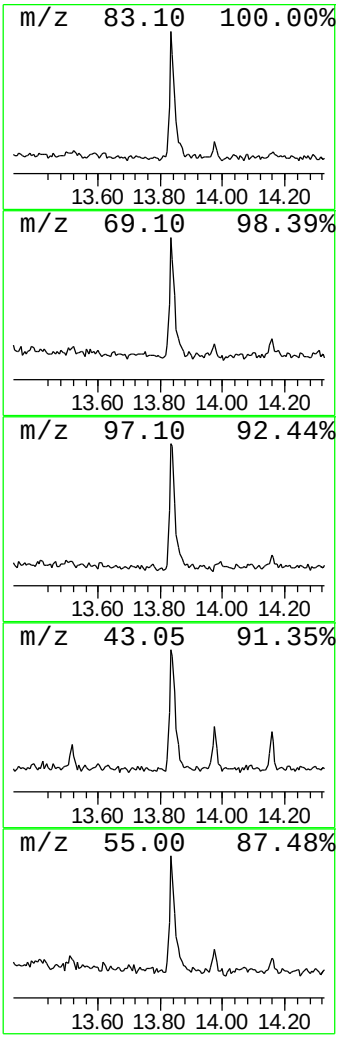
****

Peak Number 10 n-Nonadecanol-1 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	6.12 ng	340116	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Nonadecanol-1	284	C19H40O	001454-84-8	93
2	Behenic alcohol	326	C22H46O	000661-19-8	93
3	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	90
4	n-Heptadecanol-1	256	C17H36O	001454-85-9	90
5	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116838.D
Acq On : 5 Sep 2019 15:21
Operator : HP/JU
Sample : K4680-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-1-4-(0-1.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

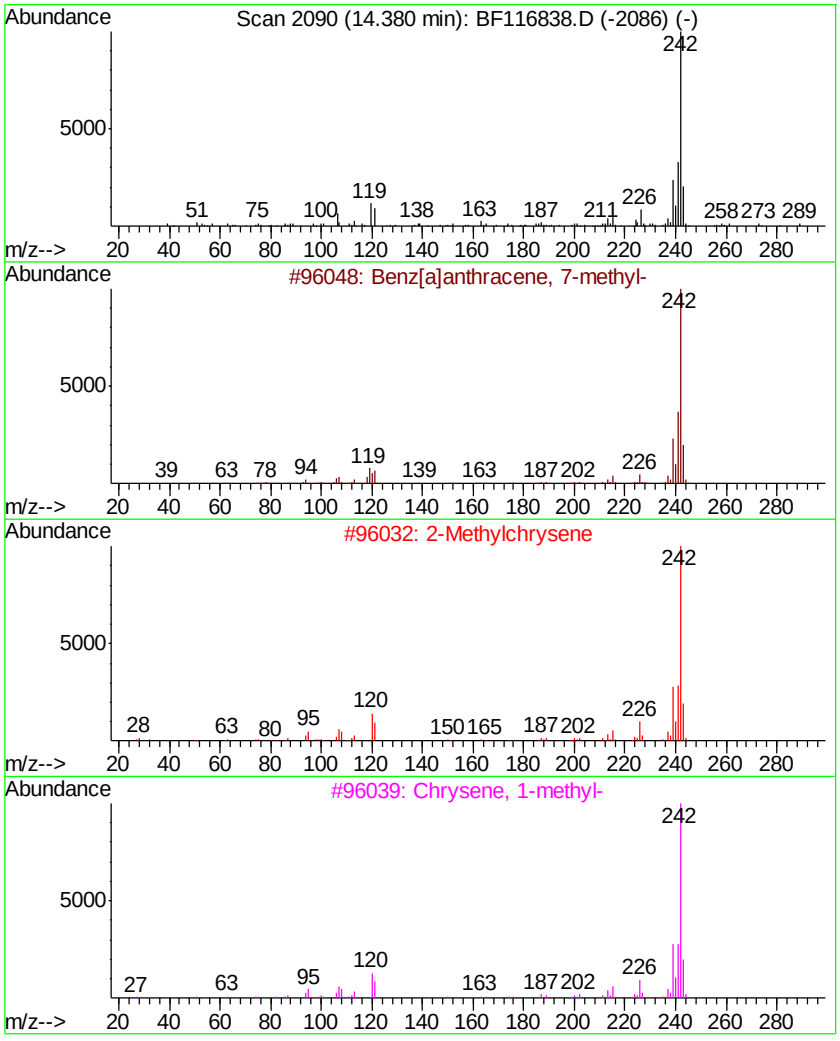
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

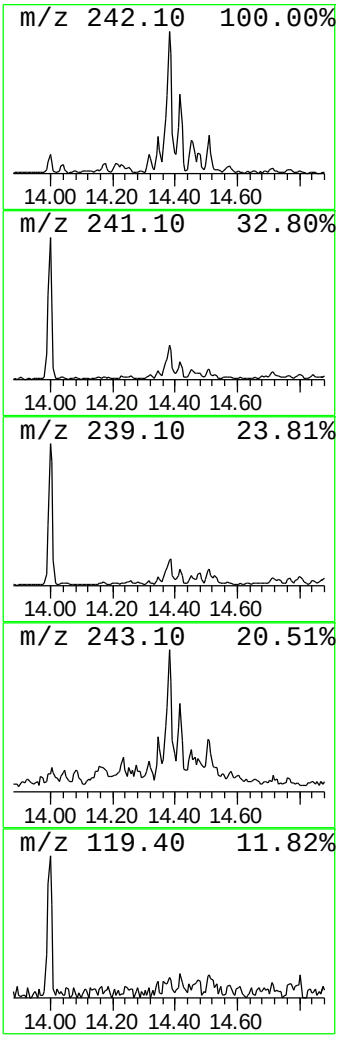
****

Peak Number 11 Benz[a]anthracene, 7-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	2.17 ng	120715	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
2	2-Methylchrysene	242	C19H14	003351-32-4	90
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
5	Chrysene, 3-methyl-	242	C19H14	003351-31-3	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116838.D
Acq On : 5 Sep 2019 15:21
Operator : HP/JU
Sample : K4680-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-1-4-(0-1.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

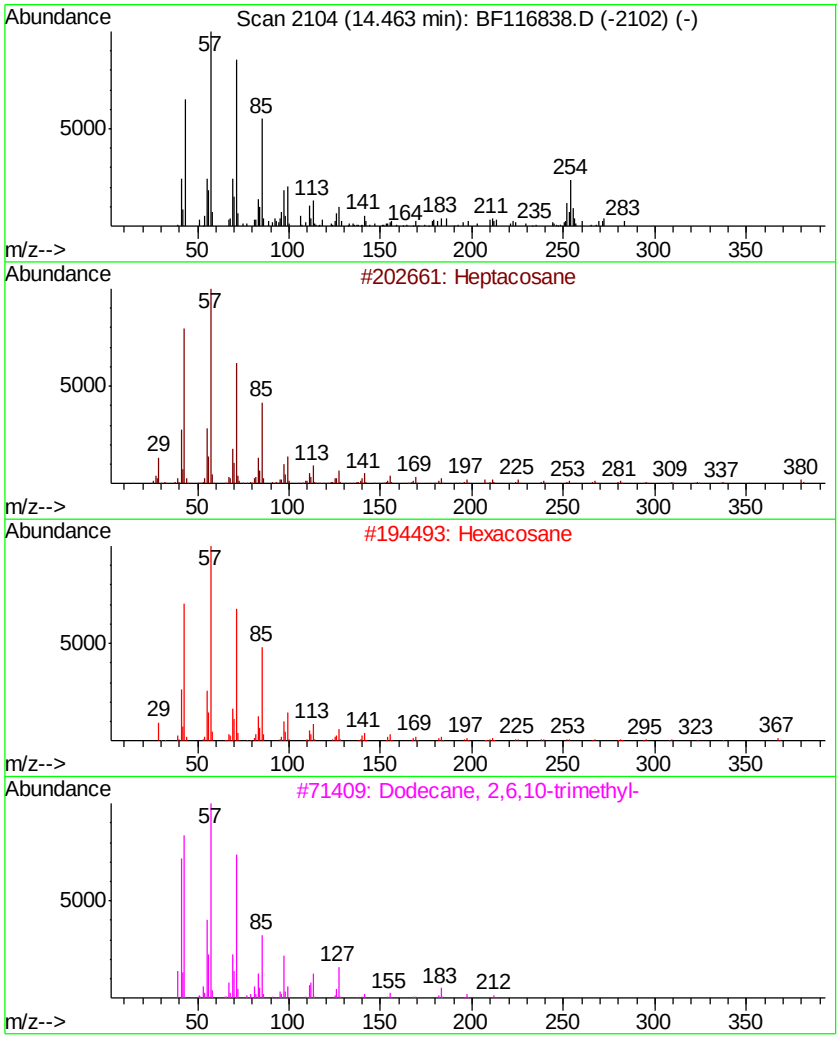
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

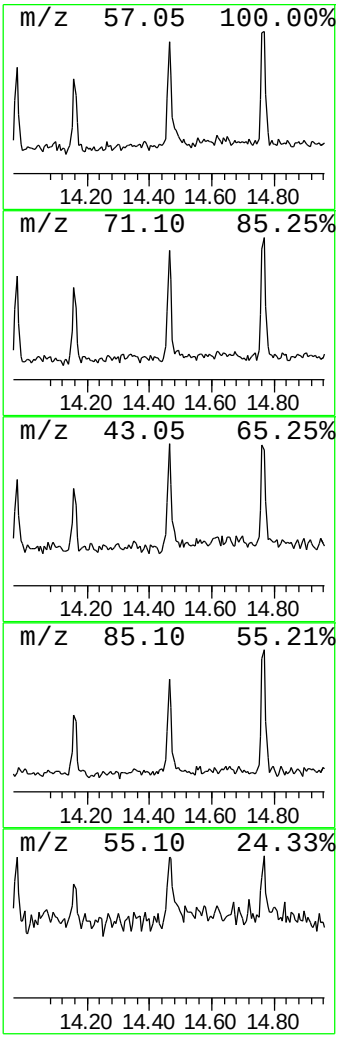
****

Peak Number 12 Heptacosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	2.16 ng	119980	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	76
2	Hexacosane	366	C26H54	000630-01-3	76
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	70
4	Nonadecane	268	C19H40	000629-92-5	70
5	Octacosane	394	C28H58	000630-02-4	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116838.D
Acq On : 5 Sep 2019 15:21
Operator : HP/JU
Sample : K4680-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-1-4-(0-1.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

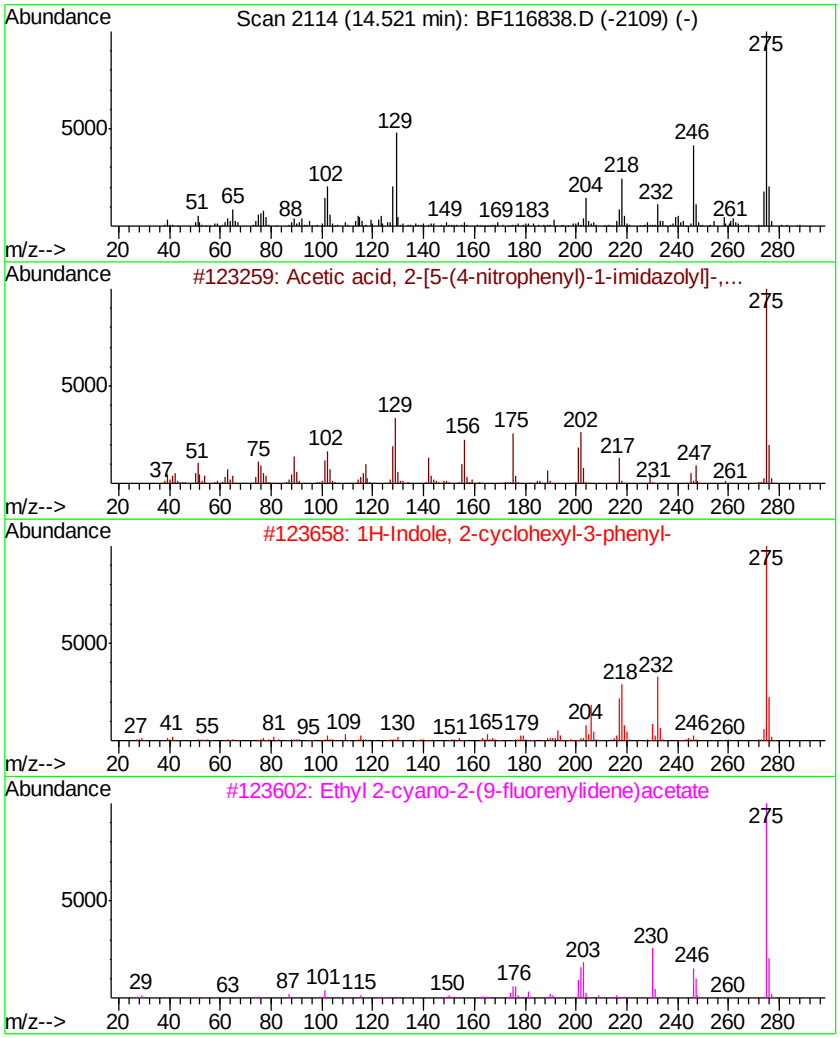
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

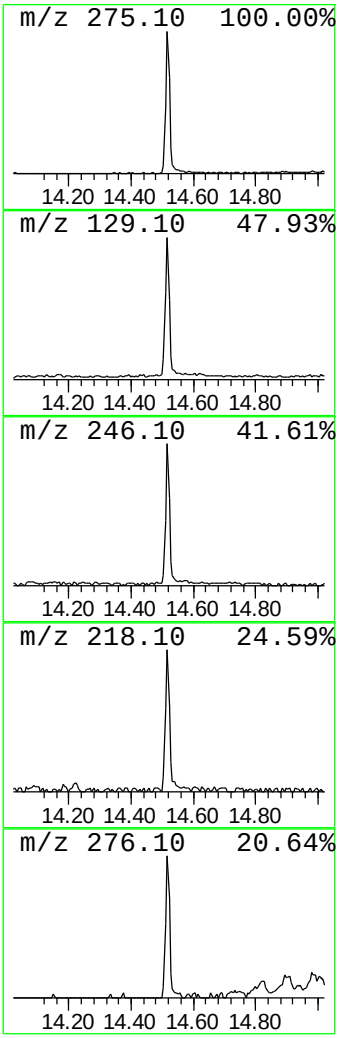
****

Peak Number 13 unknown14.52 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	6.72 ng	373398	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 2-[5-(4-nitrophenyl...	275	C13H13N3O4	351064-45-4	49
2	1H-Indole, 2-cyclohexyl-3-phenyl-	275	C20H21N	1000163-87-0	41
3	Ethyl 2-cyano-2-(9-fluorenyliden...	275	C18H13NO2	014003-25-9	38
4	8H-Benzo[g]-1,3-benzodioxolo[6,5...	275	C17H9NO3	000475-75-2	38
5	1-Methyl-5'-phenylspiro(indoline...	275	C17H13N3O	015970-21-5	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116838.D
Acq On : 5 Sep 2019 15:21
Operator : HP/JU
Sample : K4680-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-1-4-(0-1.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

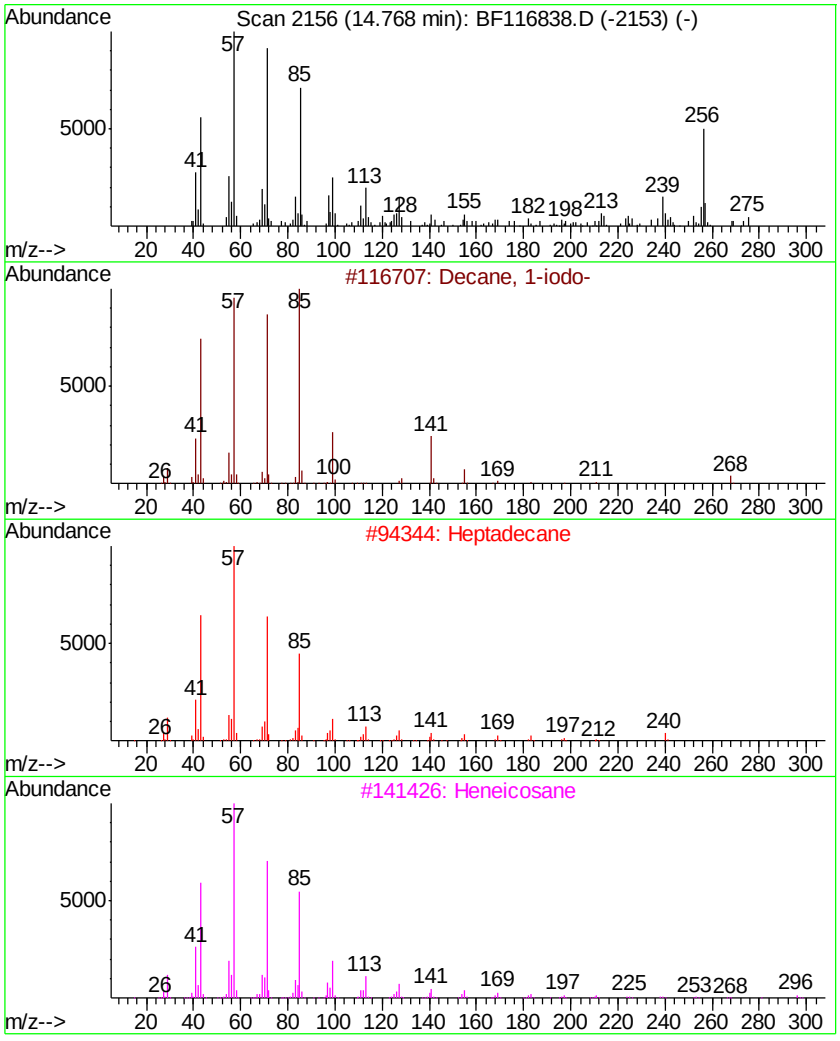
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

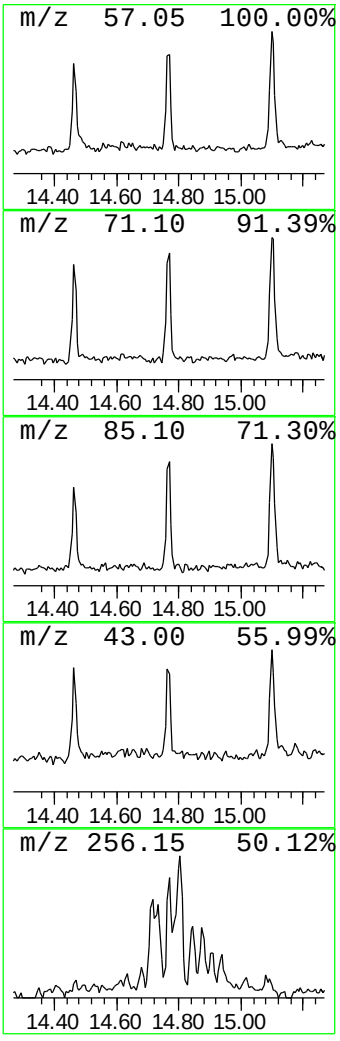
****

Peak Number 14 Decane, 1-iodo- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	2.50 ng	95192	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 1-iodo-	268	C10H21I	002050-77-3	78
2	Heptadecane	240	C17H36	000629-78-7	60
3	Heneicosane	296	C21H44	000629-94-7	53
4	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	49
5	Benz(a)anthracene, 6,7-dimethyl-	256	C20H16	020627-28-5	44





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116838.D
Acq On : 5 Sep 2019 15:21
Operator : HP/JU
Sample : K4680-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-1-4-(0-1.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

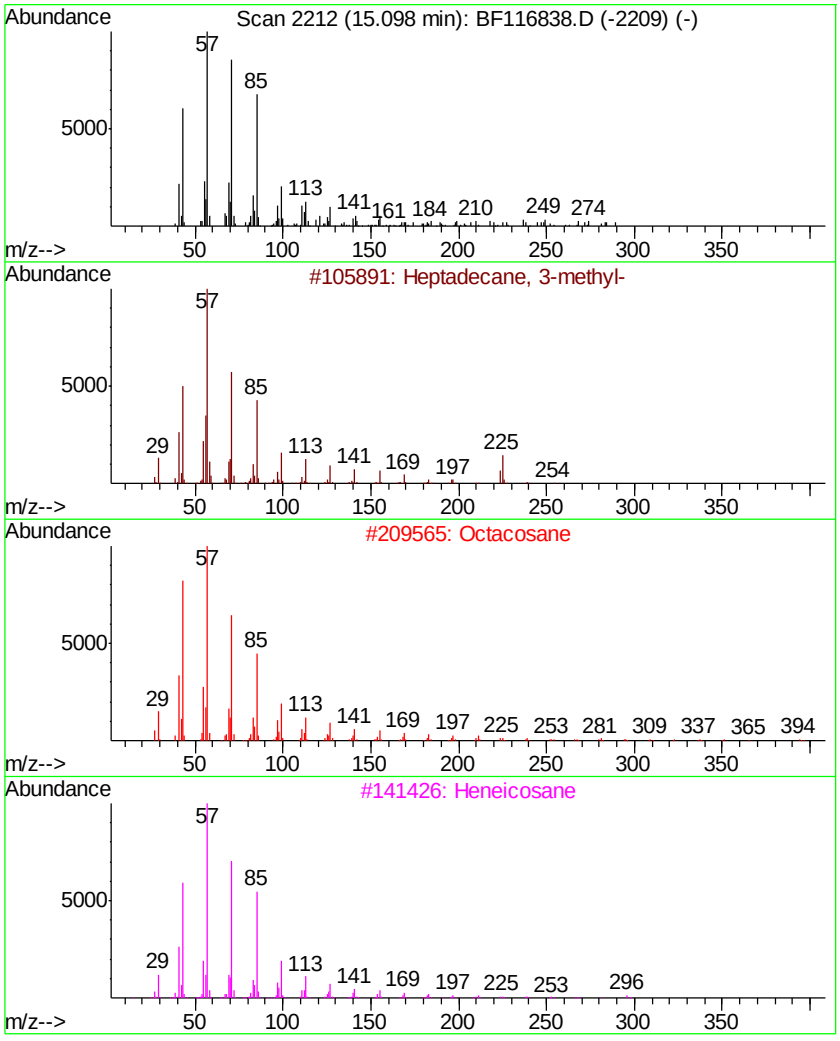
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

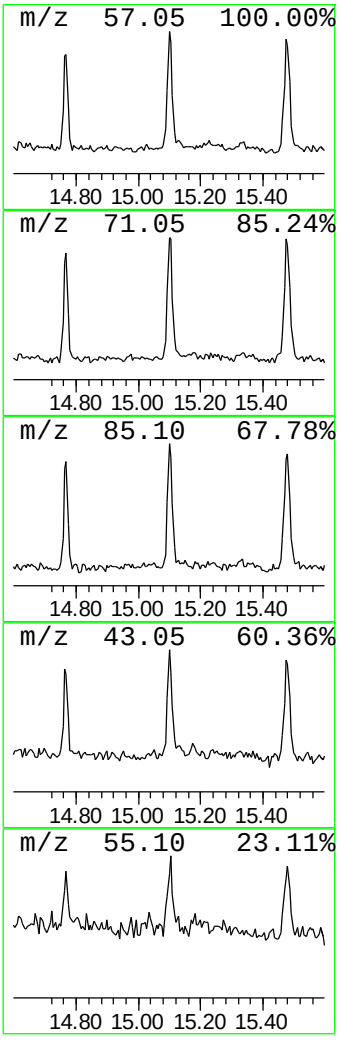
****

Peak Number 15 Heptadecane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	2.82 ng	107502	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 3-methyl-	254	C18H38	006418-44-6	91
2	Octacosane	394	C28H58	000630-02-4	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	90
5	Heptacosane	380	C27H56	000593-49-7	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116838.D
Acq On : 5 Sep 2019 15:21
Operator : HP/JU
Sample : K4680-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-1-4-(0-1.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

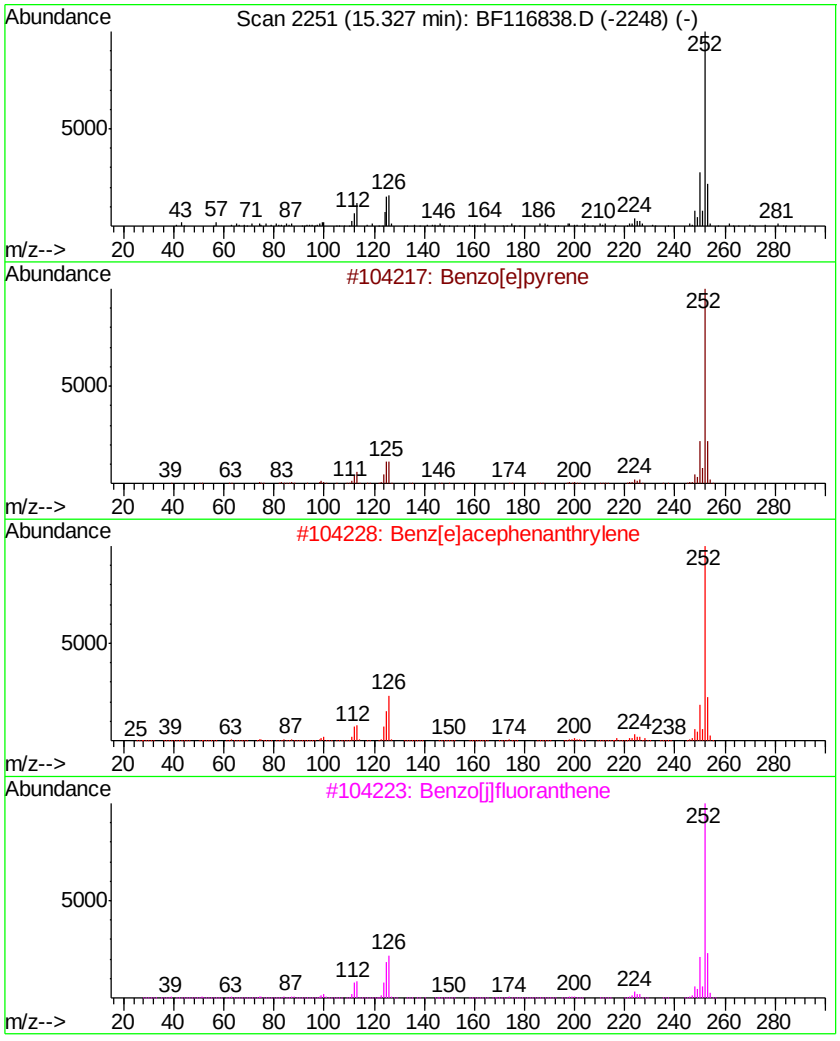
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

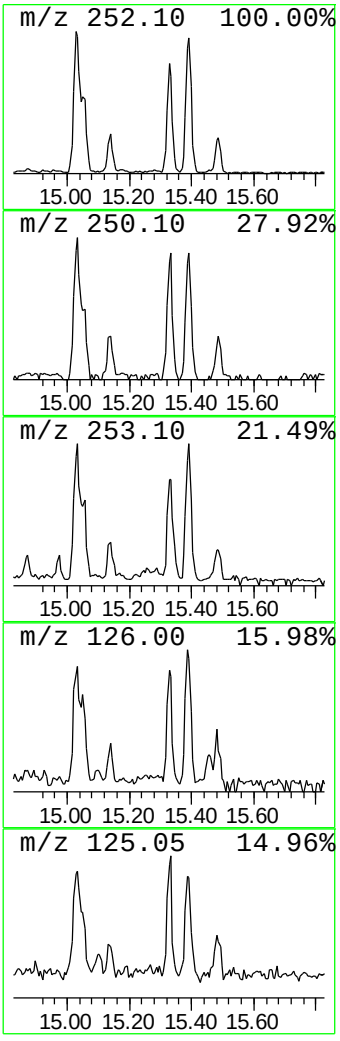
****

Peak Number 16 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	3.42 ng	130343	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116838.D
Acq On : 5 Sep 2019 15:21
Operator : HP/JU
Sample : K4680-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-1-4-(0-1.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

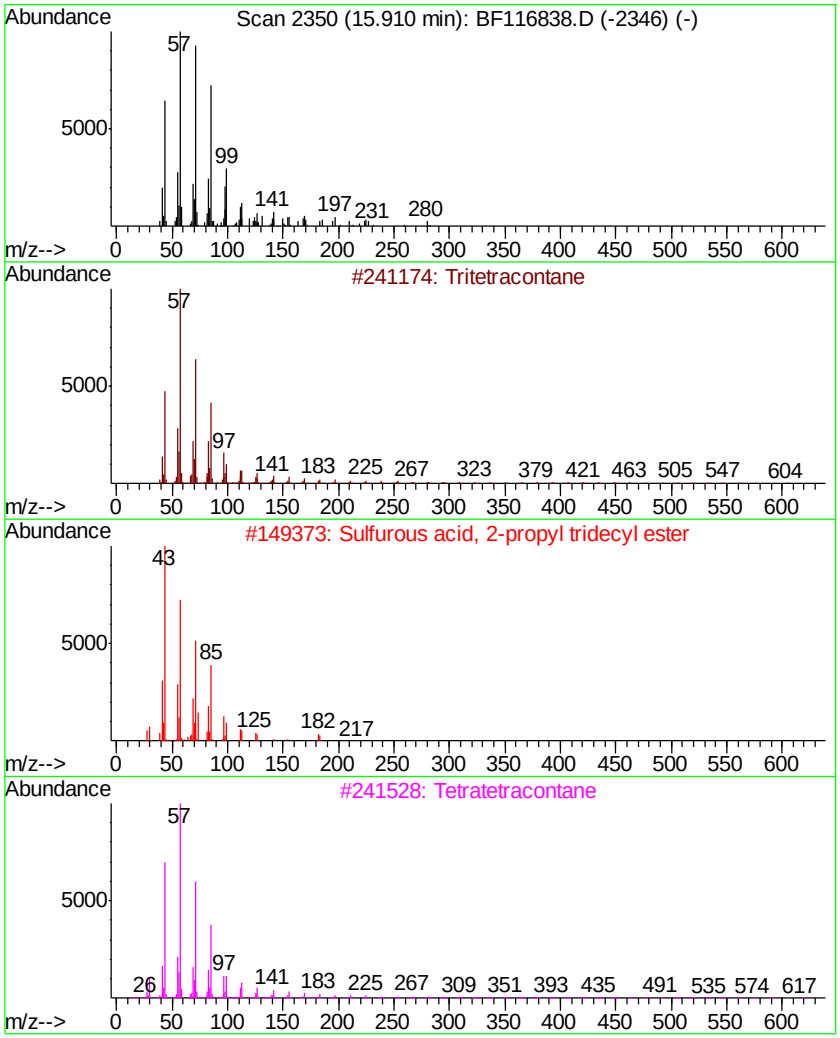
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

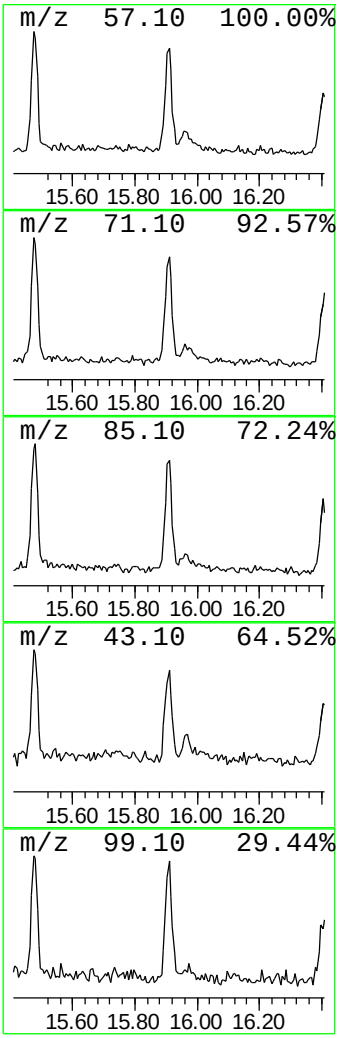
****

Peak Number 17 Tritetracontane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	2.73 ng	104202	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tritetracontane	605	C43H88	007098-21-7	86
2	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	86
3	Tetratetracontane	619	C44H90	007098-22-8	80
4	2-methyloctacosane	408	C29H60	1000376-72-8	72
5	Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116838.D
Acq On : 5 Sep 2019 15:21
Operator : HP/JU
Sample : K4680-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-1-4-(0-1.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

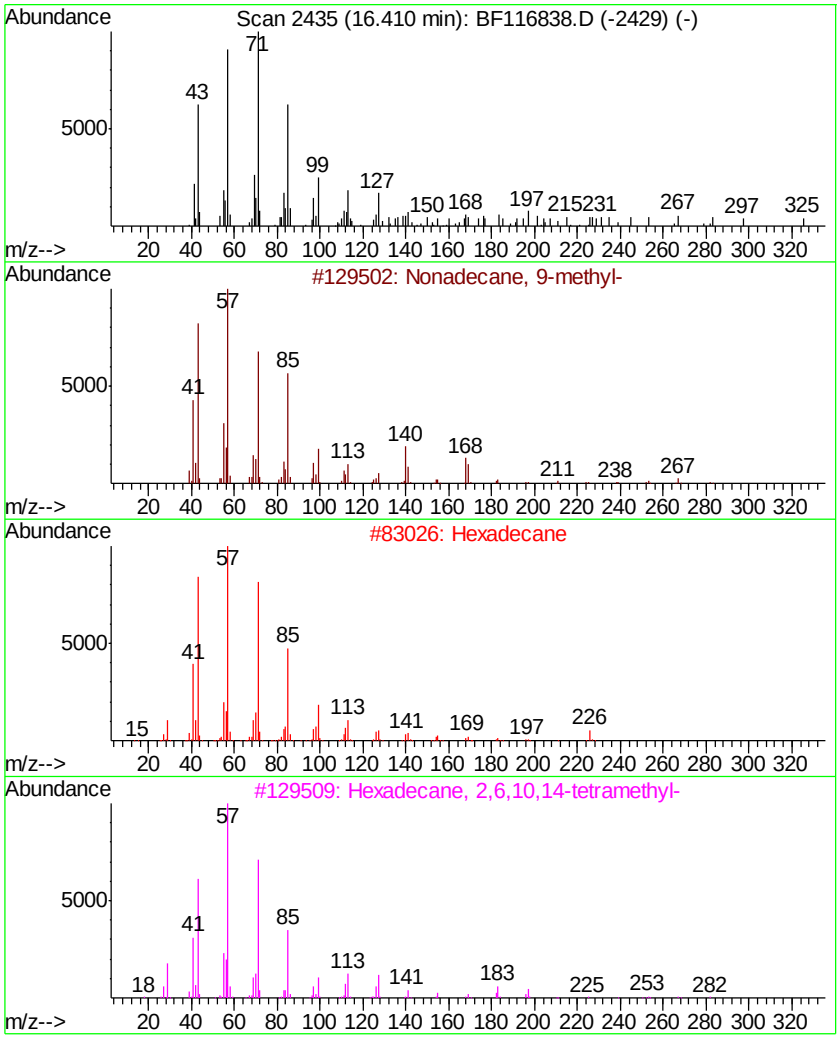
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

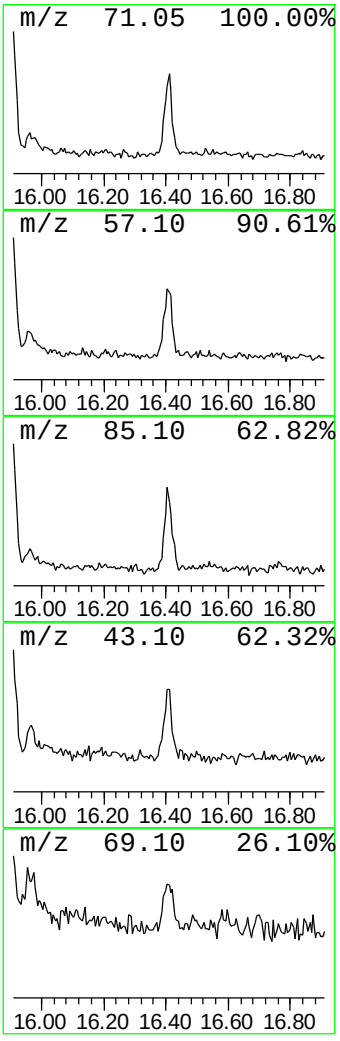
****

Peak Number 18 Nonadecane, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	2.81 ng	107037	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	90
2	Hexadecane	226	C16H34	000544-76-3	81
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	76
4	Hexacosane	366	C26H54	000630-01-3	74
5	Heneicosane	296	C21H44	000629-94-7	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090519\
Data File : BF116838.D
Acq On : 5 Sep 2019 15:21
Operator : HP/JU
Sample : K4680-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-1-4-(0-1.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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
unknown6.62	6.62	54.7	ng	1401910	1	6.85	512520	20.0
Phenanthrene, 2-m...	11.86	2.5	ng	103757	4	11.36	823147	20.0
Phenanthrene, 1-m...	11.89	6.1	ng	252461	4	11.36	823147	20.0
Anthracene, 1-met...	11.97	4.0	ng	163060	4	11.36	823147	20.0
di-p-Tolylacetylene	12.42	3.2	ng	133013	4	11.36	823147	20.0
Benzene, 1,1'-(1,...	12.67	2.6	ng	108222	4	11.36	823147	20.0
Pyrene, 1-methyl-	13.02	2.2	ng	120916	5	14.00	1111530	20.0
Benzo[b]naphtho[2...	13.75	2.0	ng	112965	5	14.00	1111530	20.0
n-Nonadecanol-1	13.83	6.1	ng	340116	5	14.00	1111530	20.0
Benz[a]anthracene...	14.38	2.2	ng	120715	5	14.00	1111530	20.0
Heptacosane	14.46	2.2	ng	119980	5	14.00	1111530	20.0
unknown14.52	14.52	6.7	ng	373398	5	14.00	1111530	20.0
Decane, 1-iodo-	14.77	2.5	ng	95192	6	15.46	762140	20.0
Heptadecane, 3-me...	15.10	2.8	ng	107502	6	15.46	762140	20.0
Benzo[e]pyrene	15.33	3.4	ng	130343	6	15.46	762140	20.0
Tritetracontane	15.91	2.7	ng	104202	6	15.46	762140	20.0
Nonadecane, 9-met...	16.41	2.8	ng	107037	6	15.46	762140	20.0