LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113096.D
Acq On : 18 Mar 2019 17:54
Operator : JU/SJ
Sample : K1697-11 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-031519-B

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-BF022719.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	5.340	549	553	571	rVB	617013	639532	32.77%	2.063%
2	6.369	725	728	743	rBV	760721	770929	39.50%	2.487%
3	6.498	746	750	758	rVV	862532	718560	36.82%	2.318%
4	6.728	785	789	798	rBV	991380	828825	42.47%	2.674%
5	6.881	812	815	825	rBV	741291	675670	34.62%	2.180%
6	7.286	880	884	891	rBV	446914	477252	24.45%	1.539%
7	8.010	1003	1007	1014	rBV	1211806	1187610	60.85%	3.831%
8	8.610	1106	1109	1112	rBV	43036	39075	2.00%	0.126%
9	8.722	1122	1128	1133	rBV	52671	63310	3.24%	0.204%
10	8.822	1141	1145	1152	rBV	68197	82711	4.24%	0.267%
11	9.080	1186	1189	1200	rBV	914322	954380	48.90%	3.079%
12	9.175	1202	1205	1213	rVV2	66579	76158	3.90%	0.246%
13	9.351	1231	1235	1241	rBV	53597	82290	4.22%	0.265%
14	9.422	1243	1247	1249	rVV	88478	95580	4.90%	0.308%
15	9.445	1249	1251	1254	rVV	58762	62181	3.19%	0.201%
16	9.480	1254	1257	1261	rVV2	58816	88859	4.55%	0.287%
17	9.539	1264	1267	1272	rVB2	39902	58409	2.99%	0.188%
18	9.622	1278	1281	1287	rVB	60084	59110	3.03%	0.191%
19	9.704	1292	1295	1298	rBV	69131	59640	3.06%	0.192%
20	9.757	1299	1304	1308	rBV	1280947	1240887	63.58%	4.003%
21	9.792	1308	1310	1314	rVB	183394	162231	8.31%	0.523%
22	9.869	1319	1323	1327	rVB2	22525	29973	1.54%	0.097%
23	9.916	1327	1331	1333	rBV2	19232	23319	1.19%	0.075%
24	9.963	1336	1339	1343	rBV	141915	132103	6.77%	0.426%
25	10.004	1343	1346	1348	rBV	33344	24113	1.24%	0.078%
26	10.074	1353	1358	1361	rVV2	34822	41576	2.13%	0.134%
27	10.104	1361	1363	1368	rVV	27266	27397	1.40%	0.088%
28	10.169	1368	1374	1376	rVV4	27691	38017	1.95%	0.123%
29	10.198	1376	1379	1383	rVV2	77016	75065	3.85%	0.242%
30	10.257	1384	1389	1391	rVV6	19294	27382	1.40%	0.088%
31	10.304	1394	1397	1403	rVV	301168	290585	14.89%	0.937%
32	10.369	1403	1408	1410	rVV2	42319	61225	3.14%	0.197%
33	10.392	1410	1412	1414	rVV2	54072	50365	2.58%	0.162%
34	10.416	1414	1416	1419	rVV	50013	60959	3.12%	0.197%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113096.D
Acq On : 18 Mar 2019 17:54
Operator : JU/SJ
Sample : K1697-11 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-031519-B

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-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.463	1421	1424	1429	rVB	72925	74886	3.84%	0.242%
36	10.545	1434	1438	1442	rBV	567793	572861	29.35%	1.848%
37	10.669	1456	1459	1467	rVB	97531	121647	6.23%	0.392%
38	10.851	1485	1490	1493	rBV2	70534	92676	4.75%	0.299%
39	10.880	1493	1495	1497	rVV2	41778	38916	1.99%	0.126%
40	10.933	1501	1504	1506	rVB2	39945	38152	1.95%	0.123%
41	11.004	1513	1516	1518	rVB3	29309	24173	1.24%	0.078%
42	11.045	1520	1523	1527	rVB4	32226	37110	1.90%	0.120%
43	11.092	1527	1531	1533	rBV2	43238	53869	2.76%	0.174%
44	11.116	1533	1535	1536	rVV	78420	60488	3.10%	0.195%
45	11.133	1536	1538	1546	rVB	114853	137899	7.07%	0.445%
46	11.239	1552	1556	1558	rBV	1231984	1216277	62.32%	3.923%
47	11.263	1558	1560	1563	rVV	1464829	1172814	60.09%	3.783%
48	11.310	1565	1568	1572	rVV	385473	386344	19.80%	1.246%
49	11.351	1572	1575	1579	rVB2	31589	39936	2.05%	0.129%
50	11.469	1591	1595	1598	rBV	55842	63415	3.25%	0.205%
51	11.539	1603	1607	1609	rVV2	77102	84389	4.32%	0.272%
52	11.569	1609	1612	1617	rVV3	57608	70551	3.62%	0.228%
53	11.639	1621	1624	1631	rVB	711907	586092	30.03%	1.891%
54	11.739	1637	1641	1643	rBV	208005	180928	9.27%	0.584%
55	11.768	1643	1646	1650	rVV	281841	288583	14.79%	0.931%
56	11.816	1650	1654	1656	rVV	106937	108012	5.53%	0.348%
57	11.851	1656	1660	1662	rVV	319468	351169	17.99%	1.133%
58	11.868	1662	1663	1669	rVB	140338	118978	6.10%	0.384%
59	11.945	1673	1676	1679	rVB	59197	47234	2.42%	0.152%
60	12.033	1688	1691	1693	rBV	118595	103351	5.30%	0.333%
61	12.057	1693	1695	1700	rVB3	47811	50059	2.57%	0.161%
62	12.180	1711	1716	1719	rBV2	51897	68659	3.52%	0.221%
63	12.216	1719	1722	1723	rVV	47284	43852	2.25%	0.141%
64	12.239	1723	1726	1728	rVB2	36209	33348	1.71%	0.108%
65	12.286	1730	1734	1736	rVV	129512	130094	6.67%	0.420%
66	12.321	1736	1740	1742	rVV	1767503	1683288	86.25%	5.430%
67	12.345	1742	1744	1746	rVV	2233960	1778063	91.11%	5.736%
68	12.363	1746	1747	1754	rVB3	221129	212268	10.88%	0.685%
69	12.445	1755	1761	1765	rBV	1606705	1559558	79.91%	5.031%
70	12.539	1775	1777	1779	rVB	31294	23565	1.21%	0.076%
71	12.592	1784	1786	1790	rVB2	41548	47875	2.45%	0.154%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113096.D
Acq On : 18 Mar 2019 17:54
Operator : JU/SJ
Sample : K1697-11 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-031519-B

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-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.674	1794	1800	1802	rBV2	1164558	1393319	71.39%	4.494%
73	12.698	1802	1804	1807	rVB3	55157	55122	2.82%	0.178%
74	12.792	1817	1820	1821	rBV	89235	76318	3.91%	0.246%
75	12.815	1821	1824	1831	rVB	991250	896789	45.95%	2.893%
76	12.892	1832	1837	1840	rBV2	104752	163780	8.39%	0.528%
77	12.998	1848	1855	1859	rBV	278349	389302	19.95%	1.256%
78	13.068	1863	1867	1870	rBV	267196	285850	14.65%	0.922%
79	13.104	1870	1873	1877	rBV2	151632	150077	7.69%	0.484%
80	13.192	1885	1888	1891	rBV	84535	78578	4.03%	0.253%
81	13.227	1891	1894	1897	rBV	87572	89905	4.61%	0.290%
82	13.404	1921	1924	1926	rBV2	57109	53471	2.74%	0.172%
83	13.486	1935	1938	1939	rBV2	35851	43554	2.23%	0.140%
84	13.504	1939	1941	1946	rVB	67369	95630	4.90%	0.308%
85	13.615	1956	1960	1962	rBV2	116737	137326	7.04%	0.443%
86	13.645	1962	1965	1967	rVV	114723	119245	6.11%	0.385%
87	13.668	1967	1969	1973	rVV2	77798	114305	5.86%	0.369%
88	13.710	1974	1976	1981	rVB2	60369	93832	4.81%	0.303%
89	13.862	1997	2002	2005	rBV2	1497550	1951610	100.00%	6.295%
90	13.892	2005	2007	2010	rVB	568729	450134	23.06%	1.452%
91	13.968	2018	2020	2023	rVB	104702	85657	4.39%	0.276%
92	14.039	2030	2032	2037	rVB3	79205	107140	5.49%	0.346%
93	14.251	2065	2068	2071	rBV2	145076	145926	7.48%	0.471%
94	14.286	2071	2074	2077	rBV	88795	80481	4.12%	0.260%
95	14.345	2081	2084	2086	rVV2	159496	133346	6.83%	0.430%
96	14.639	2132	2134	2137	rVB	93545	72382	3.71%	0.233%
97	14.874	2171	2174	2177	rBV	502020	701672	35.95%	2.263%
98	15.156	2219	2222	2228	rVB	262415	338139	17.33%	1.091%
99	15.215	2228	2232	2238	rBV	448337	589638	30.21%	1.902%
100	15.280	2238	2243	2246	rBV	824158	1101477	56.44%	3.553%

Sum of corrected areas: 31000662

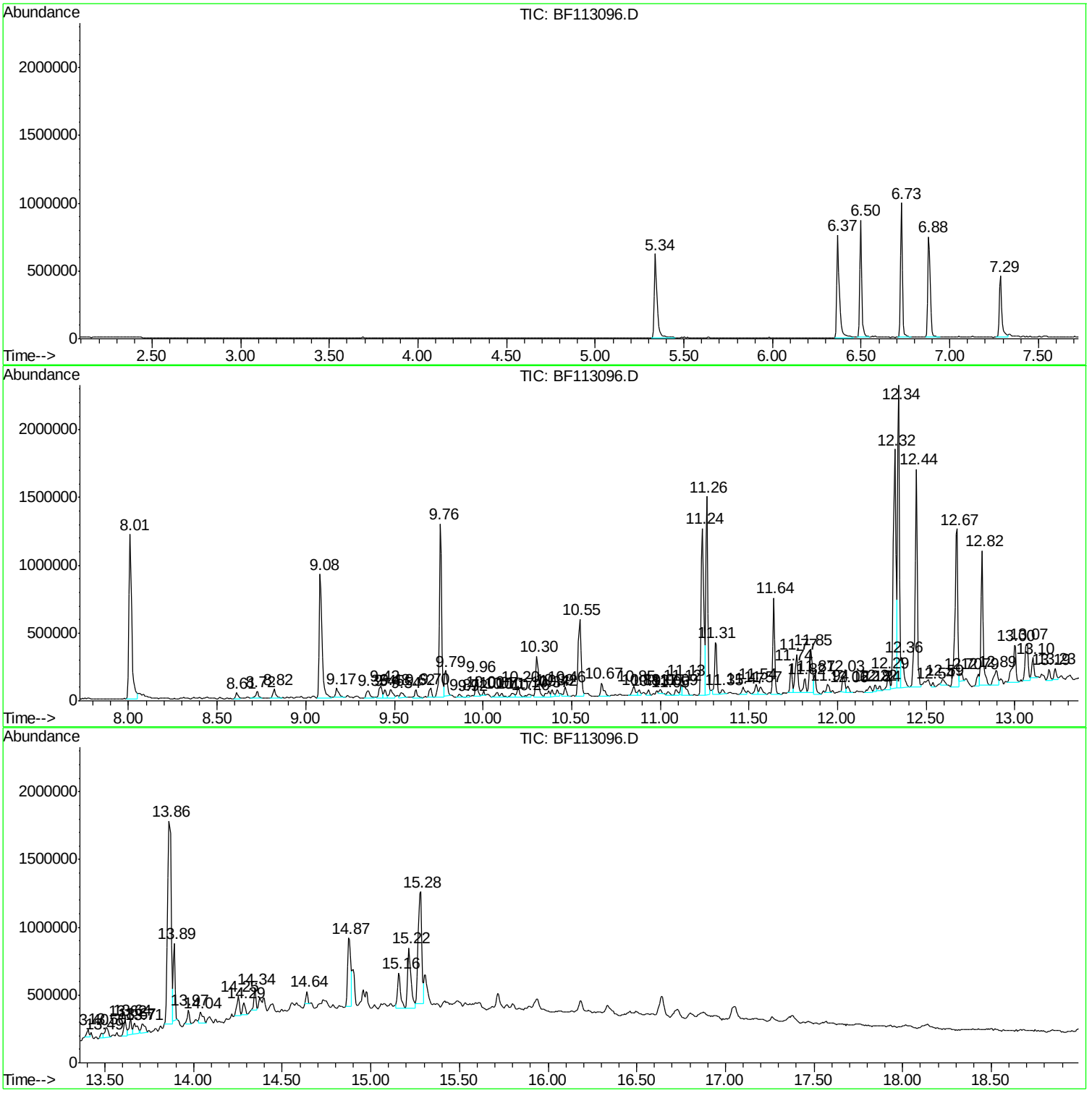
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113096.D
Acq On : 18 Mar 2019 17:54
Operator : JU/SJ
Sample : K1697-11 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-031519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113096.D
Acq On : 18 Mar 2019 17:54
Operator : JU/SJ
Sample : K1697-11 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-031519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

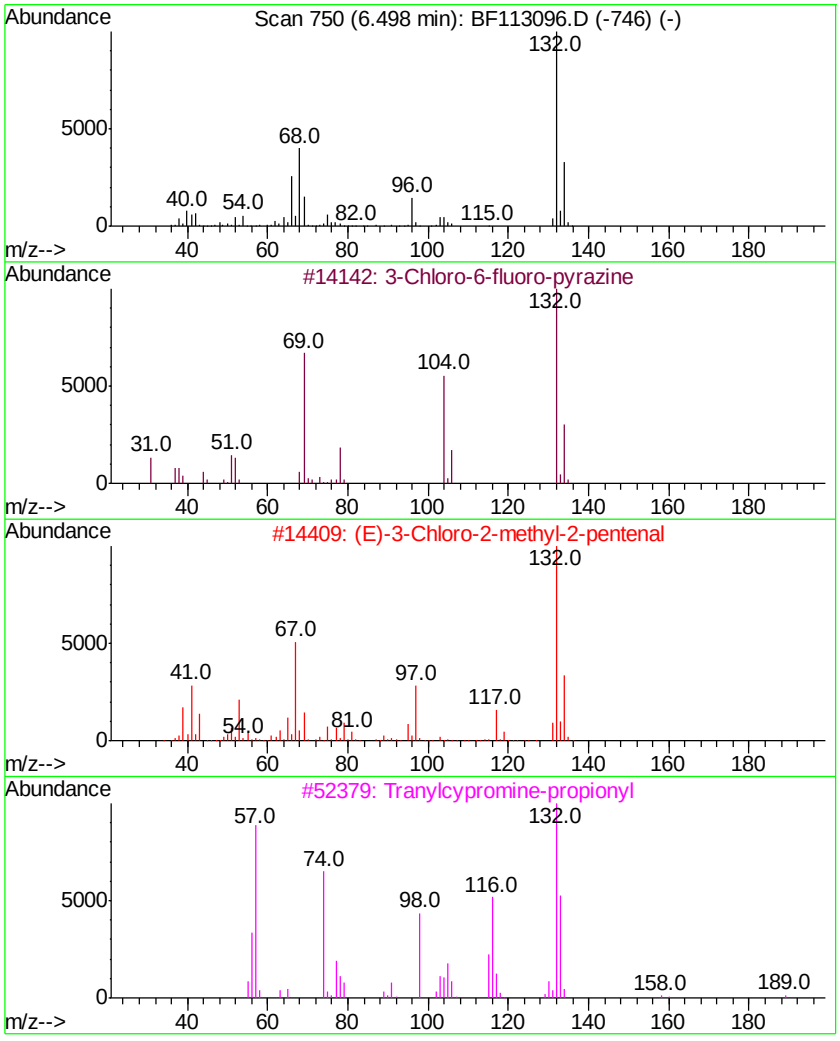
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

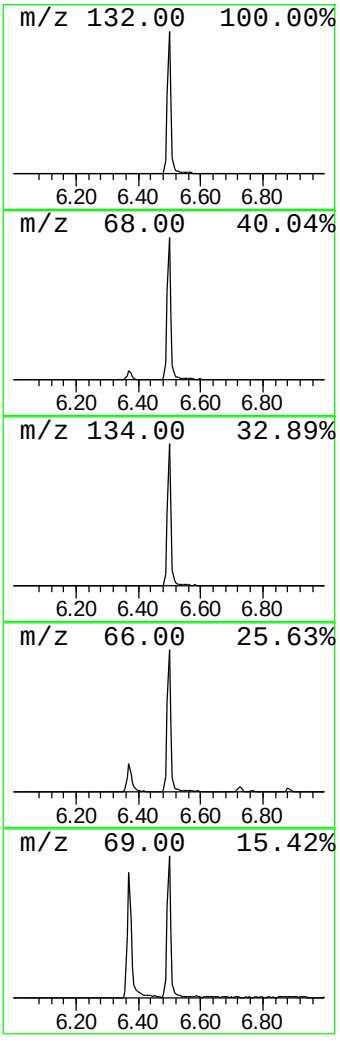
****

Peak Number 1 unknown6.50 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	17.34 ng	718560	1,4-Dichlorobenzene-d4	6.73

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	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113096.D
Acq On : 18 Mar 2019 17:54
Operator : JU/SJ
Sample : K1697-11 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-031519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

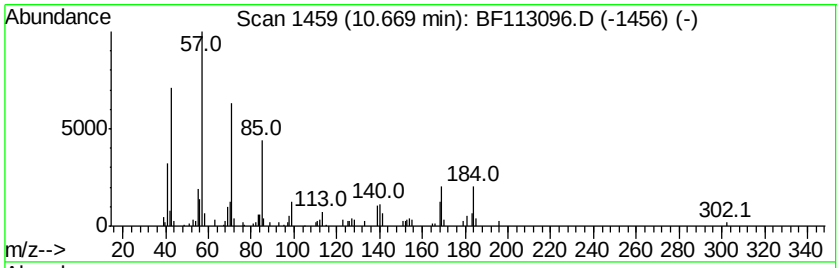
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

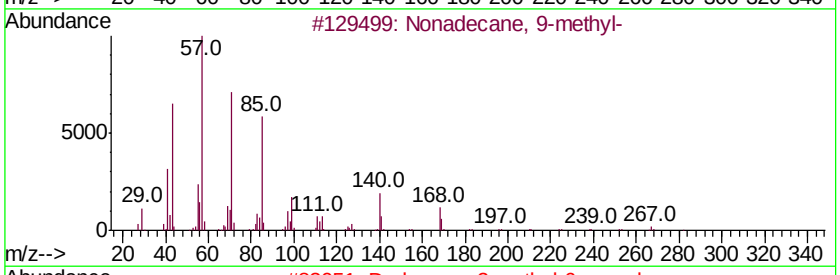
****

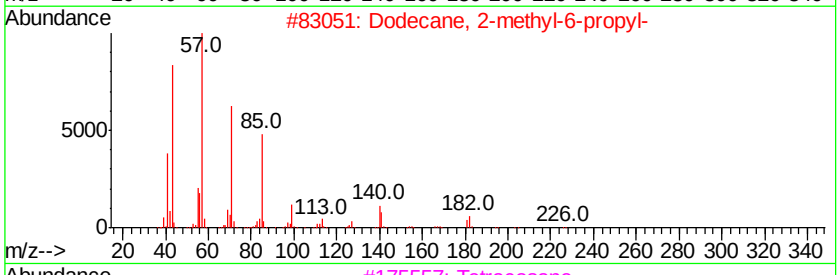
Peak Number 3 Nonadecane, 9-methyl- Concentration Rank 15

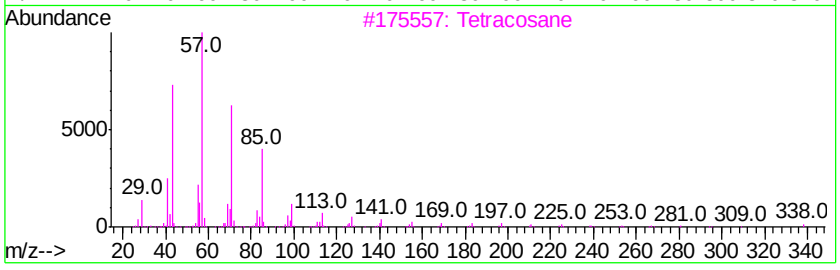
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	2.00 ng	121647	Phenanthrene-d10	11.24

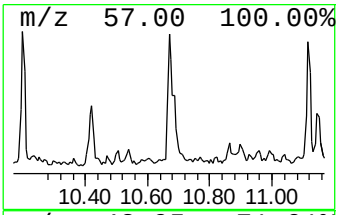
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	58
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	58
3	Tetracosane	338	C24H50	000646-31-1	53
4	Eicosane	282	C20H42	000112-95-8	53
5	Dodecane	170	C12H26	000112-40-3	49

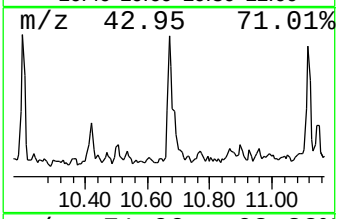


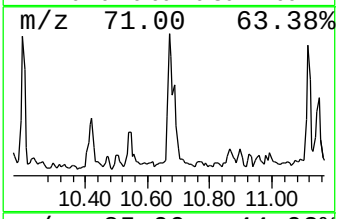


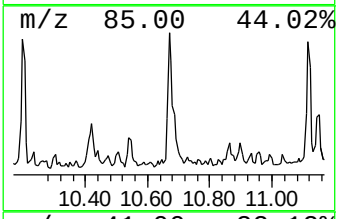


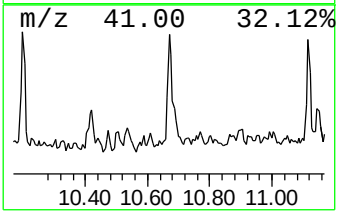












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113096.D
Acq On : 18 Mar 2019 17:54
Operator : JU/SJ
Sample : K1697-11 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-031519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

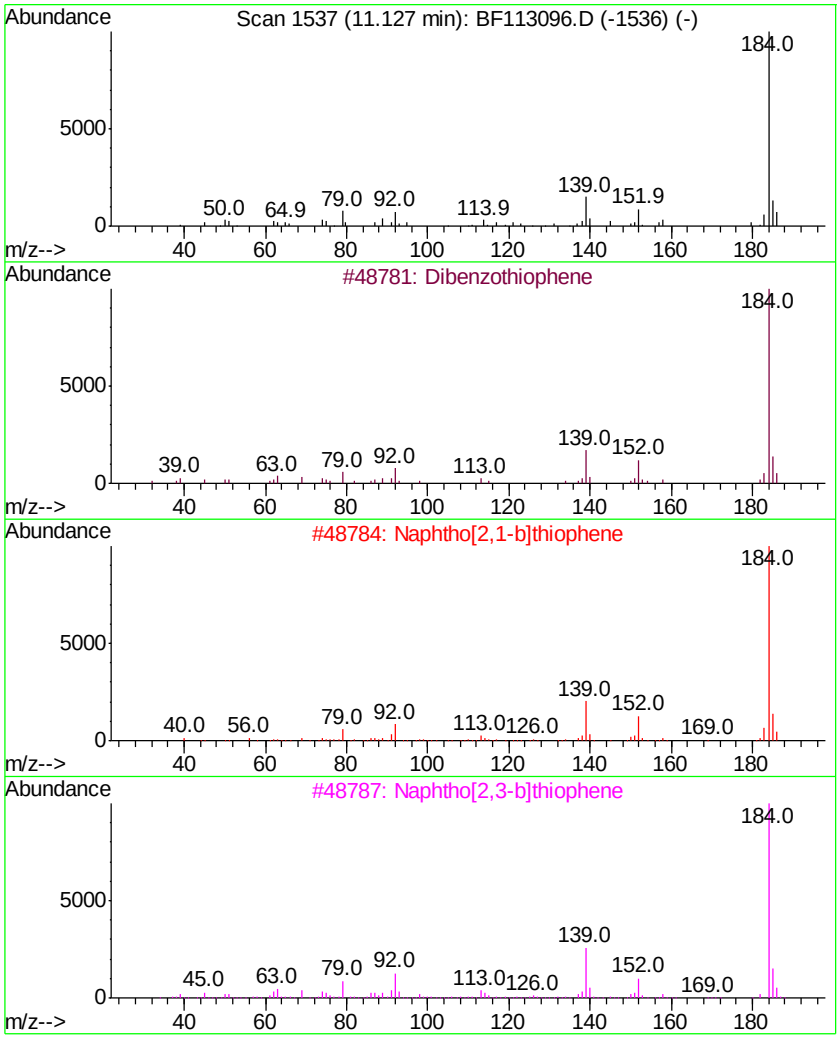
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

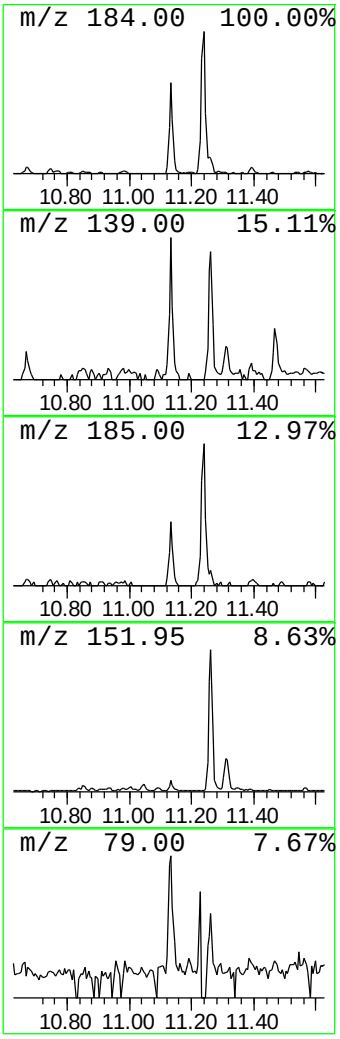
****

Peak Number 4 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	2.27 ng	137899	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113096.D
Acq On : 18 Mar 2019 17:54
Operator : JU/SJ
Sample : K1697-11 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-031519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

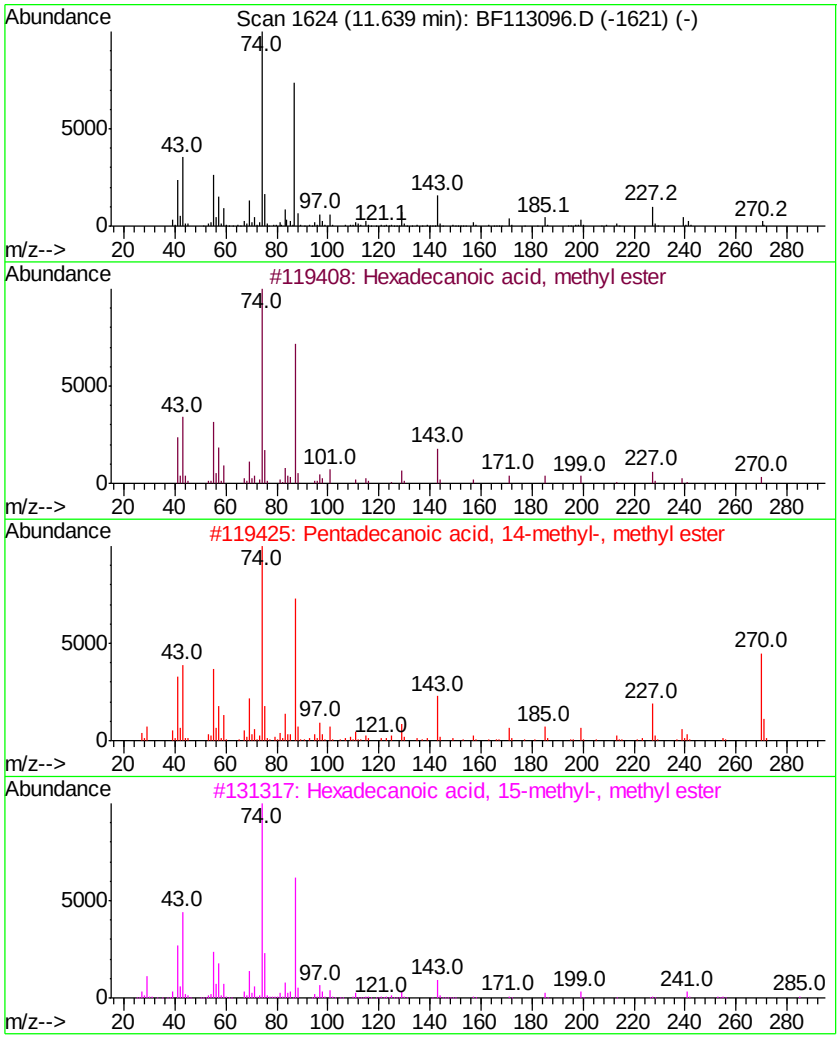
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

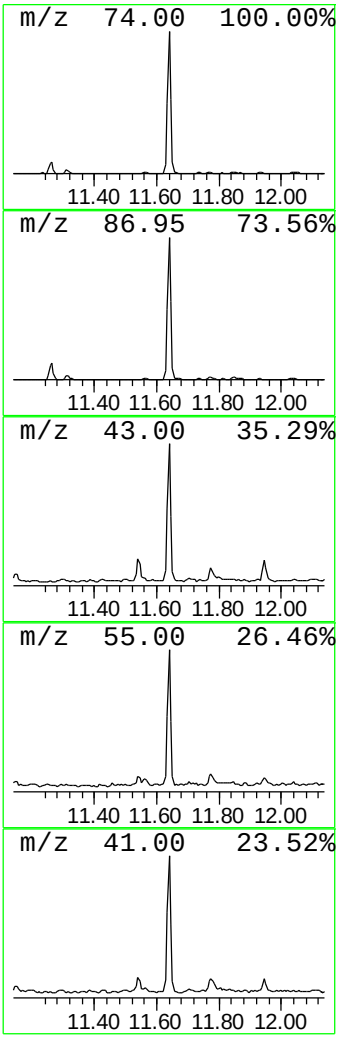
****

Peak Number 5 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	9.64 ng	586092	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	94
3	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	86
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113096.D
Acq On : 18 Mar 2019 17:54
Operator : JU/SJ
Sample : K1697-11 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-031519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

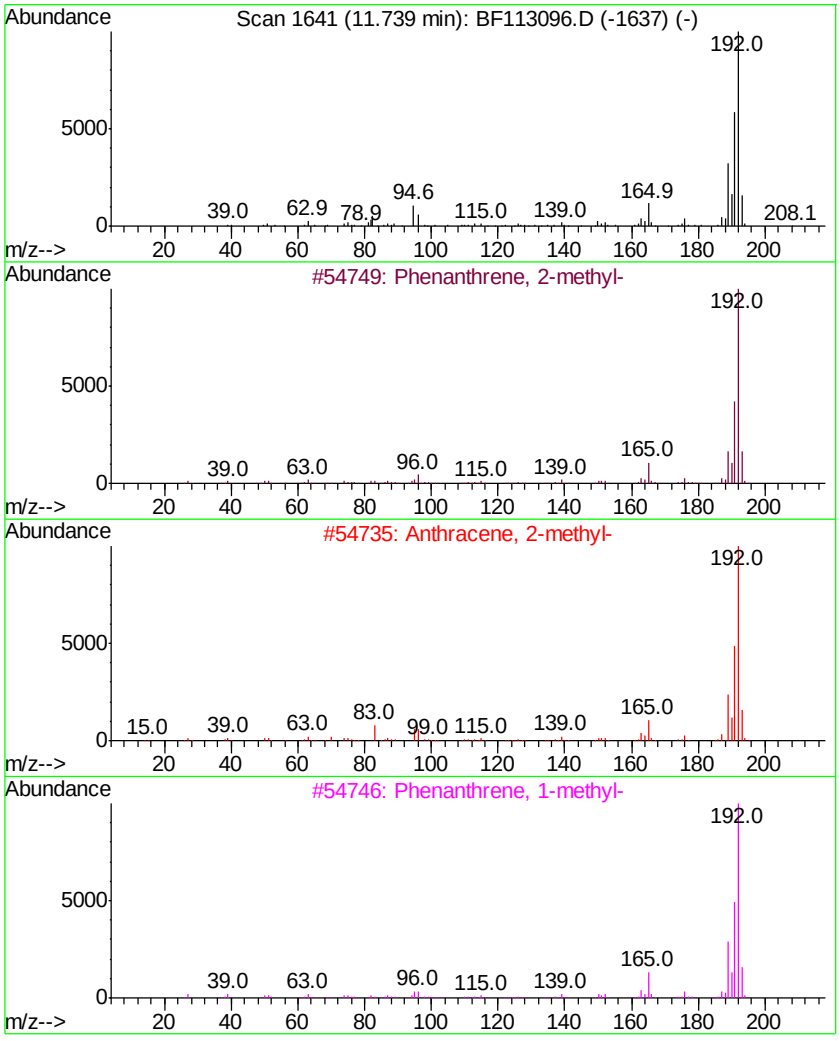
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

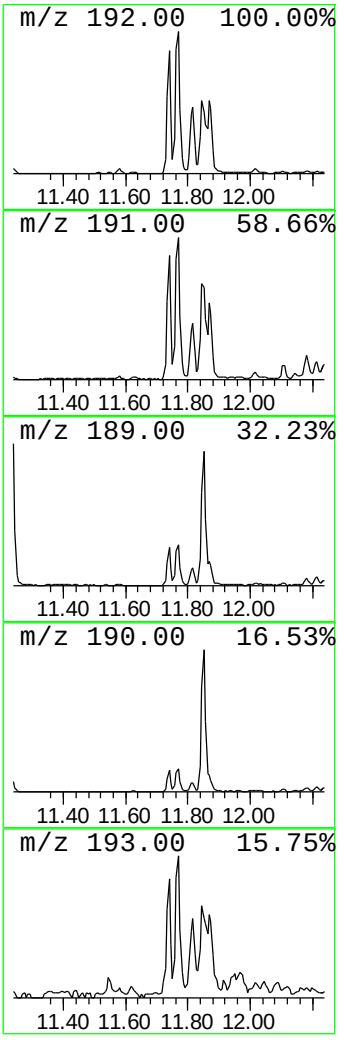
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	2.98 ng	180928	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113096.D
Acq On : 18 Mar 2019 17:54
Operator : JU/SJ
Sample : K1697-11 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-031519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

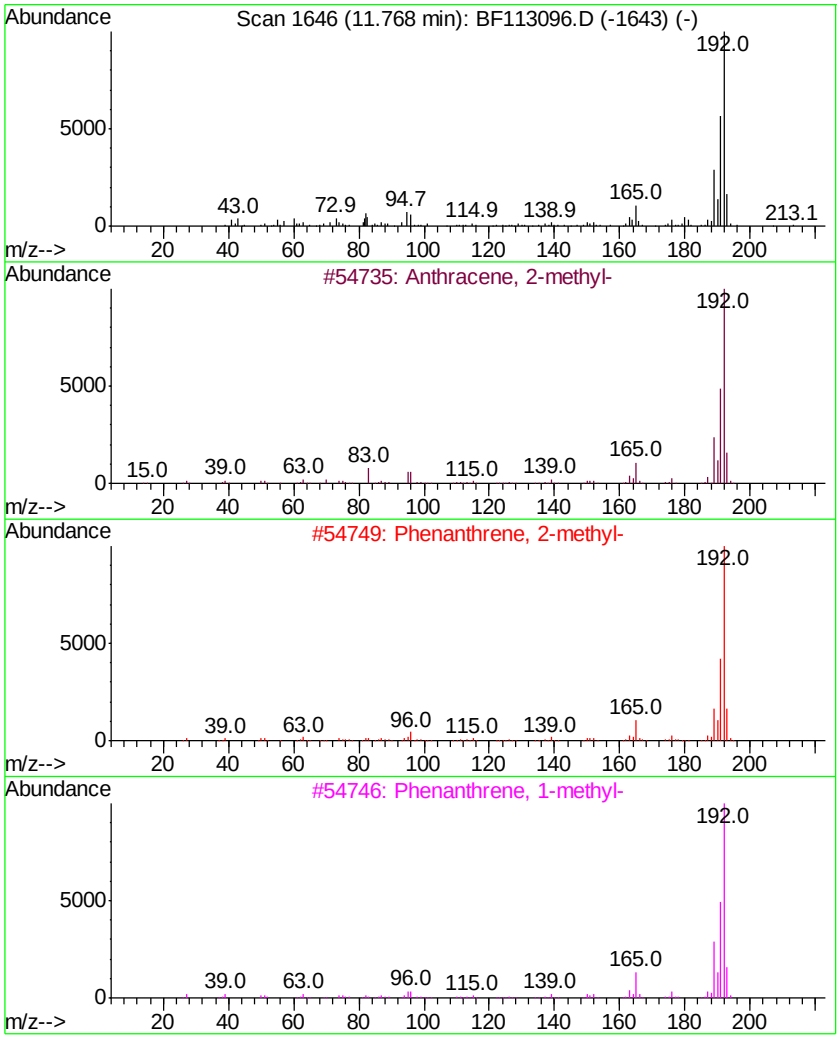
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

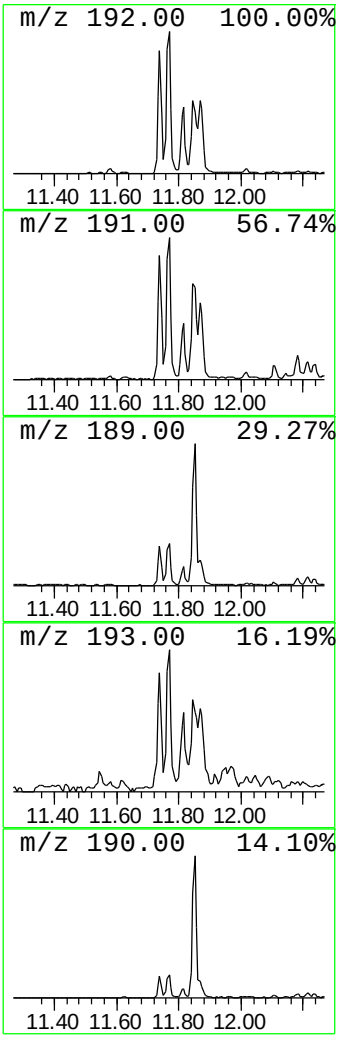
****

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	4.75 ng	288583	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113096.D
Acq On : 18 Mar 2019 17:54
Operator : JU/SJ
Sample : K1697-11 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-031519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

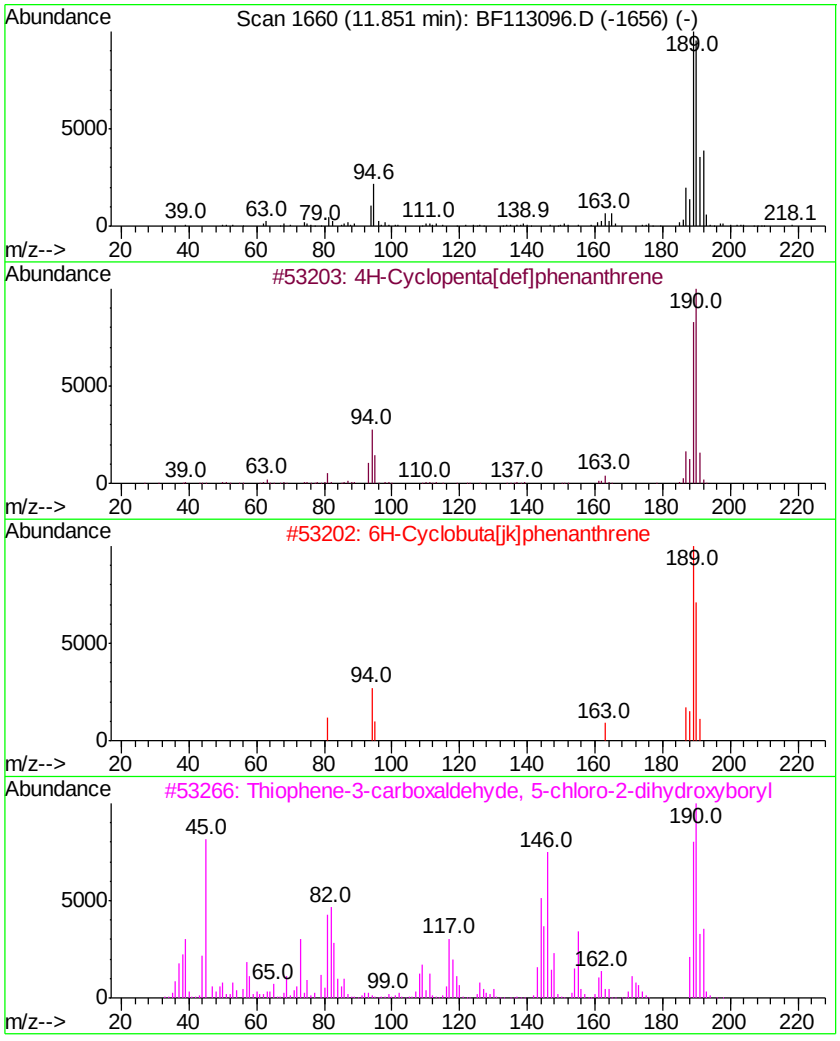
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

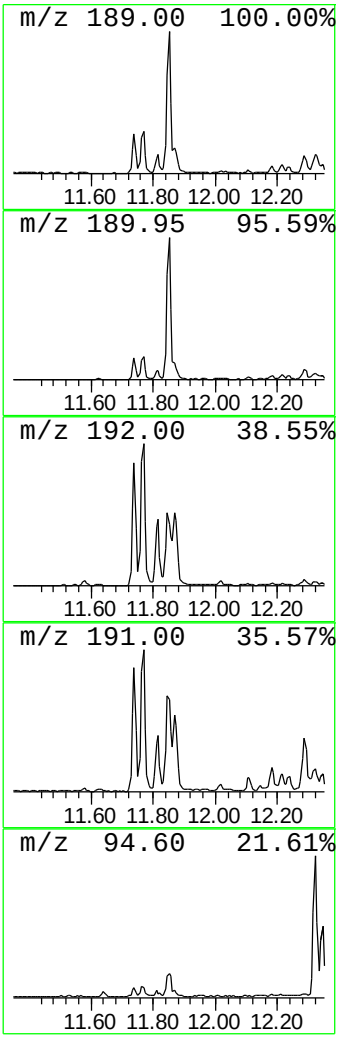
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	5.77 ng	351169	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113096.D
Acq On : 18 Mar 2019 17:54
Operator : JU/SJ
Sample : K1697-11 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-031519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

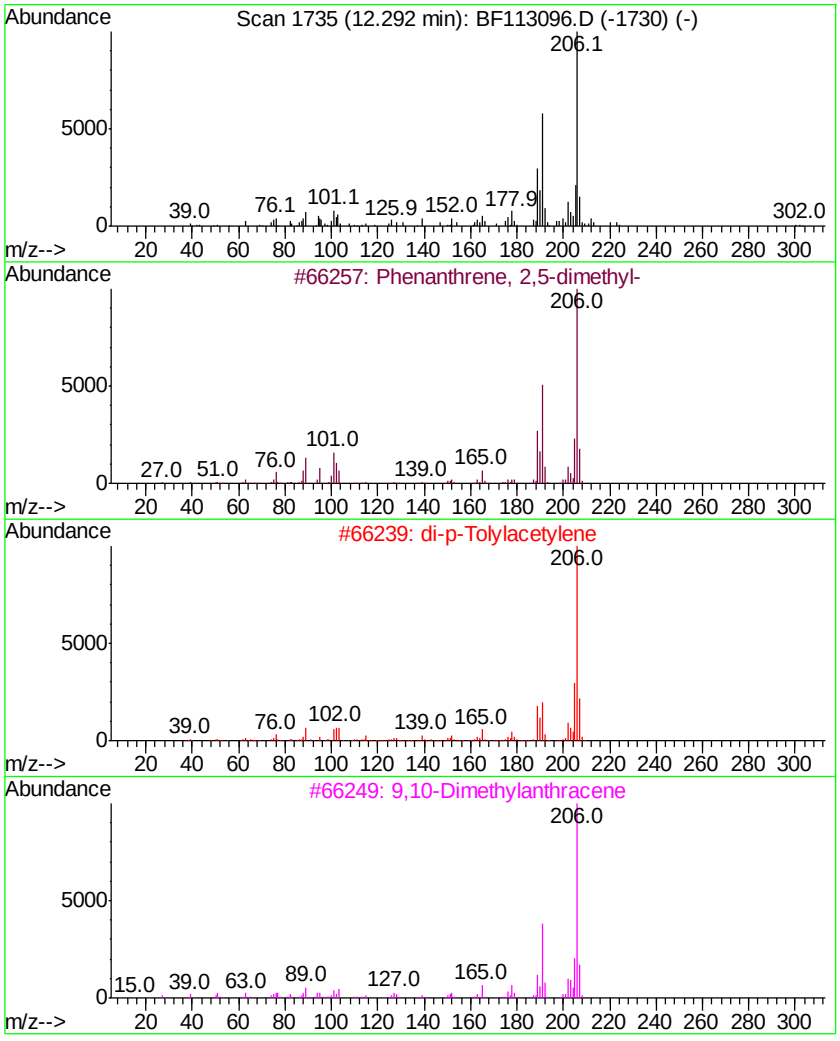
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

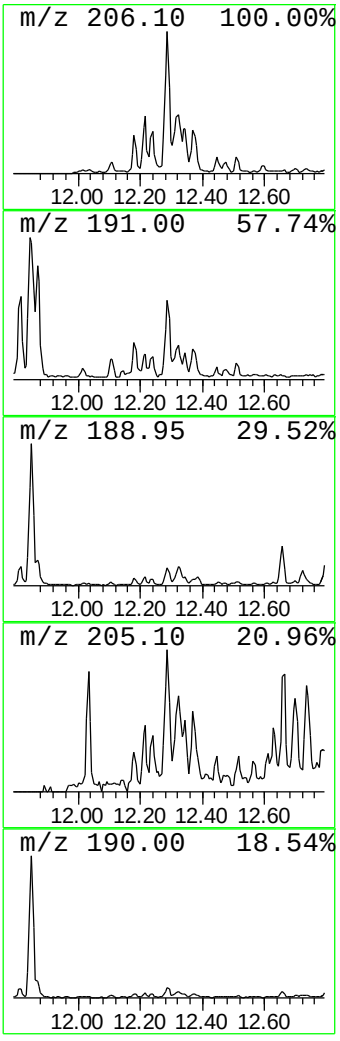
****

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	2.14 ng	130094	Phenanthrene-d10	11.24

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	96
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113096.D
Acq On : 18 Mar 2019 17:54
Operator : JU/SJ
Sample : K1697-11 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-031519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

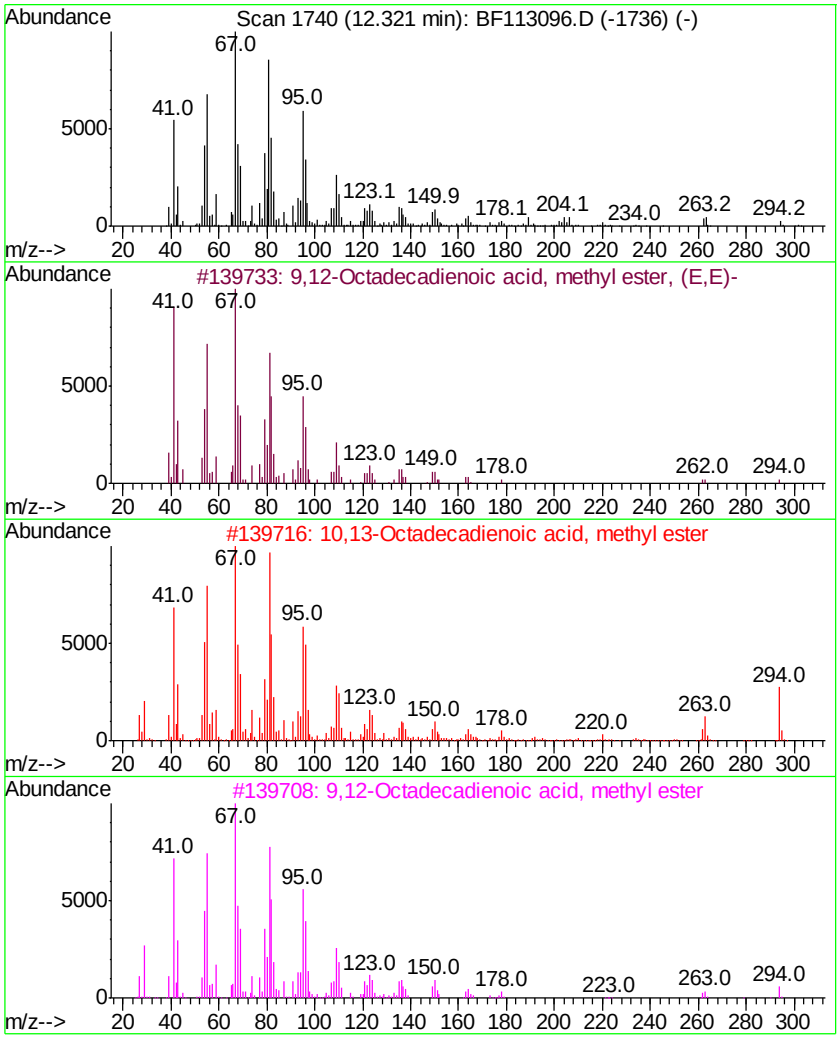
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

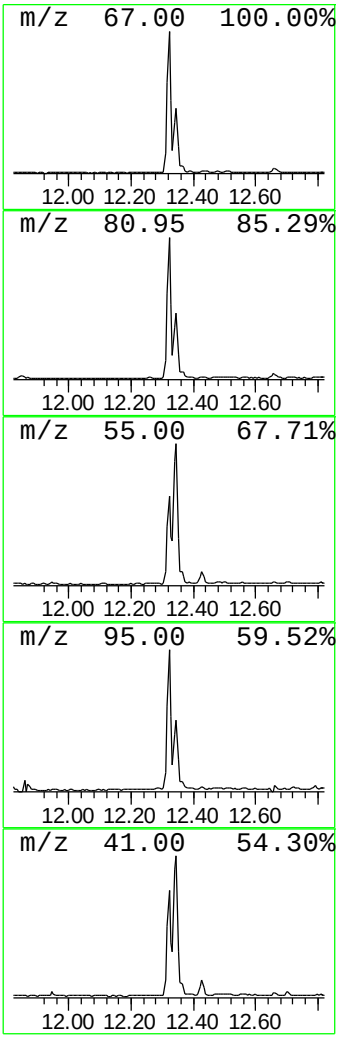
****

Peak Number 10 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	27.68 ng	1683290	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
4	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
5	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113096.D
Acq On : 18 Mar 2019 17:54
Operator : JU/SJ
Sample : K1697-11 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-031519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

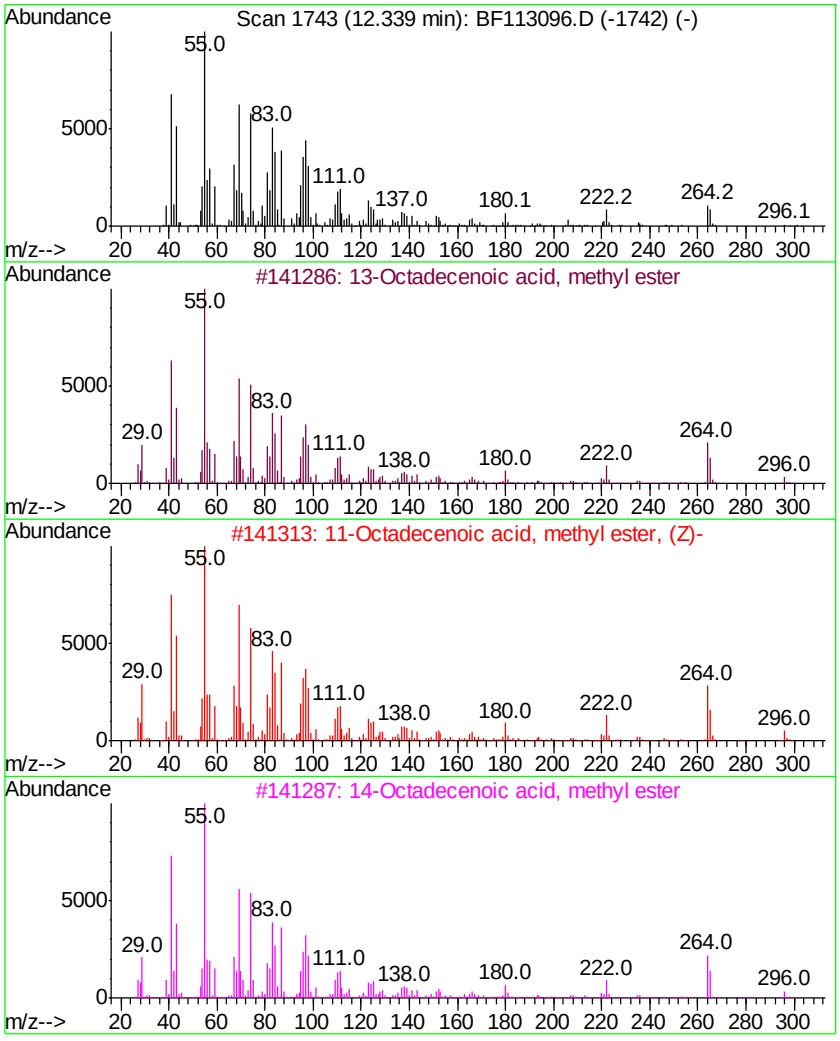
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

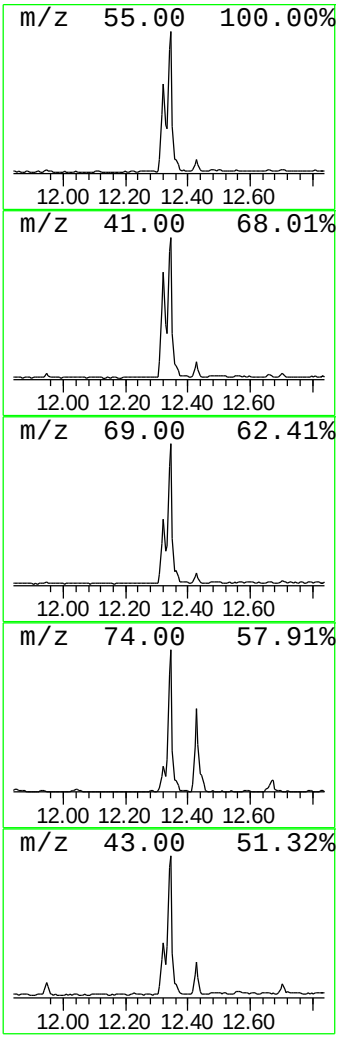
****

Peak Number 11 13-Octadecenoic acid, methy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	29.24 ng	1778060	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
2	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
3	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
4	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99
5	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113096.D
Acq On : 18 Mar 2019 17:54
Operator : JU/SJ
Sample : K1697-11 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-031519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

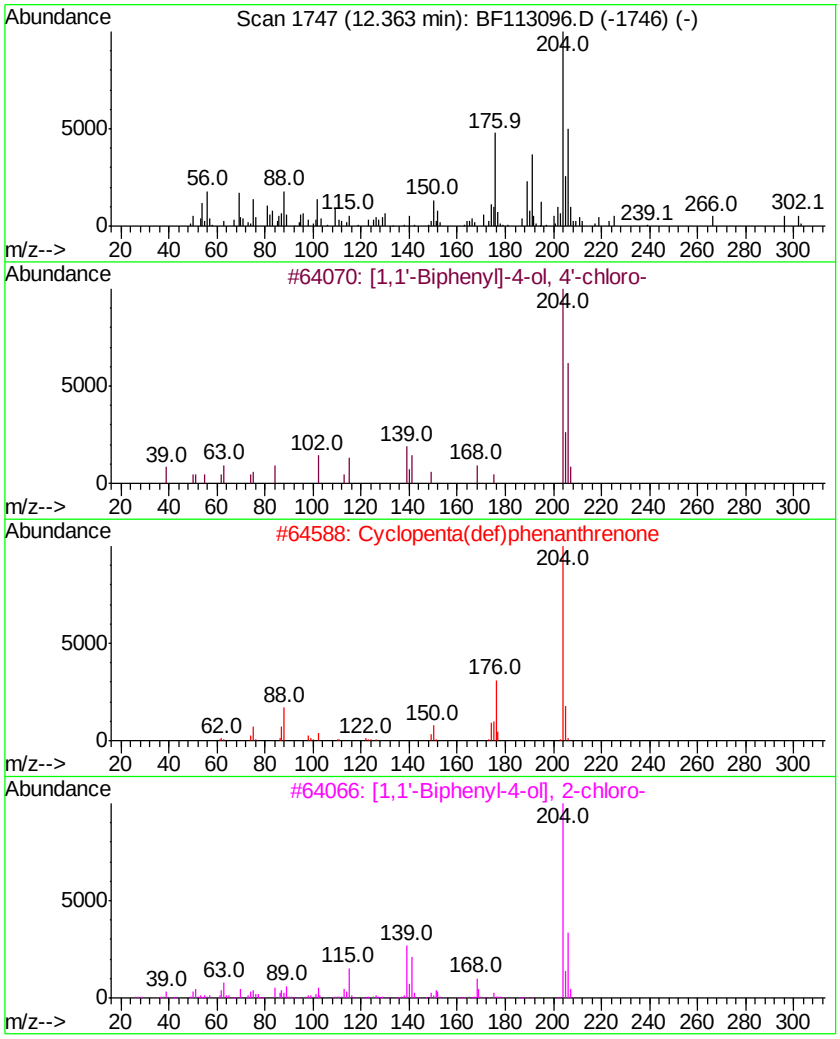
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

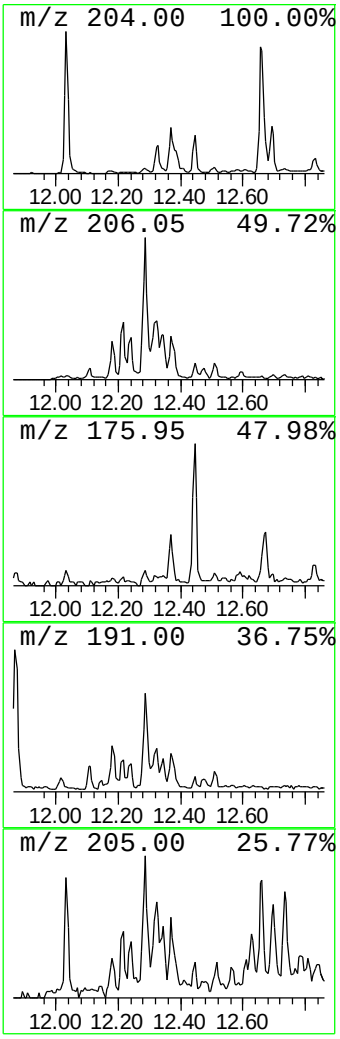
****

Peak Number 12 unknown12.36 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	3.49 ng	212268	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	49
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	45
3	[1,1'-Biphenyl-4-ol], 2-chloro-	204	C12H9ClO	023719-22-4	43
4	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	43
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113096.D
Acq On : 18 Mar 2019 17:54
Operator : JU/SJ
Sample : K1697-11 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-031519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

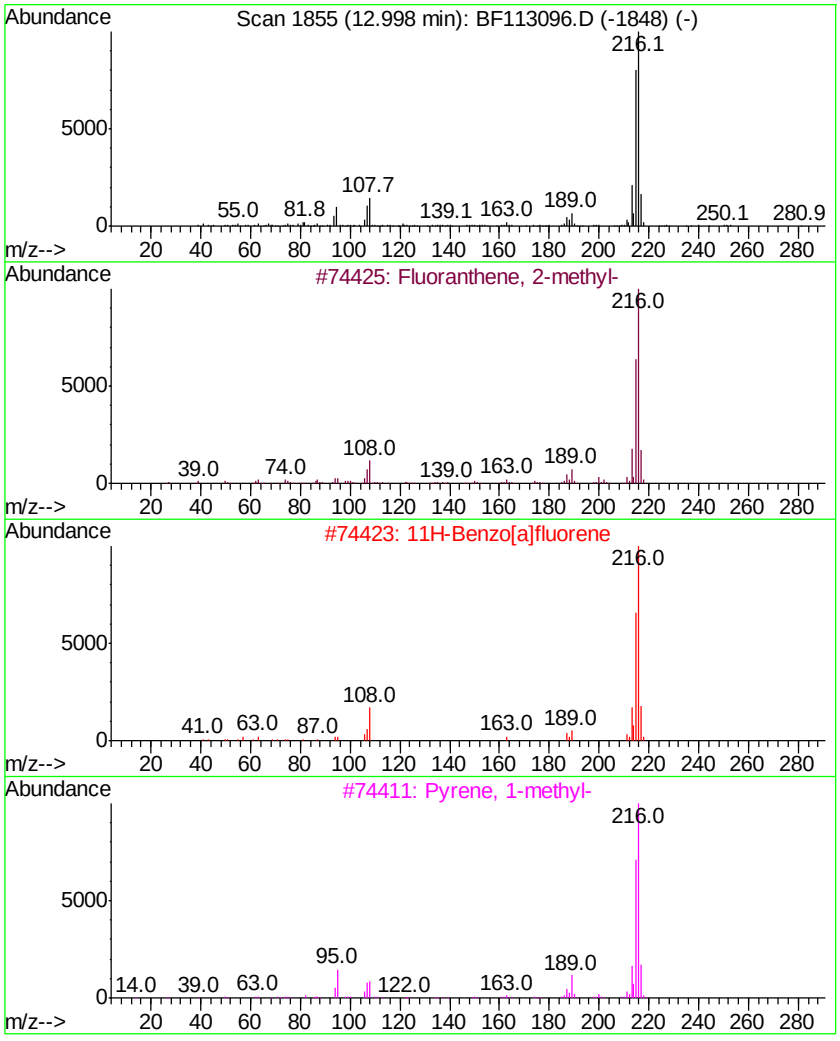
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

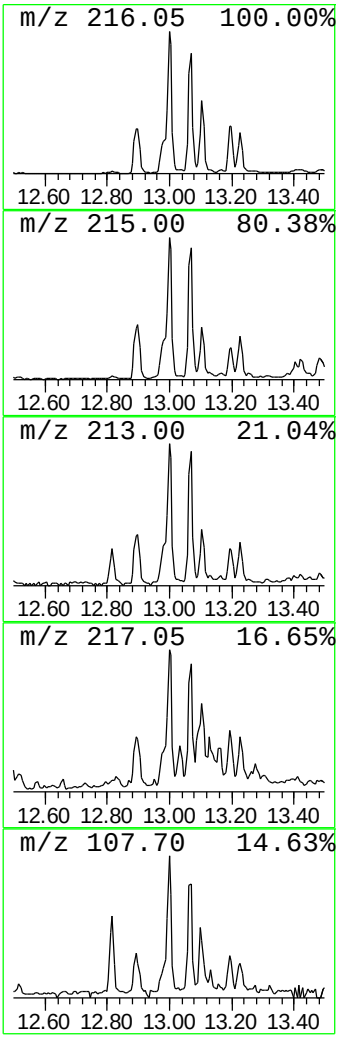
****

Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	3.99 ng	389302	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113096.D
Acq On : 18 Mar 2019 17:54
Operator : JU/SJ
Sample : K1697-11 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-031519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

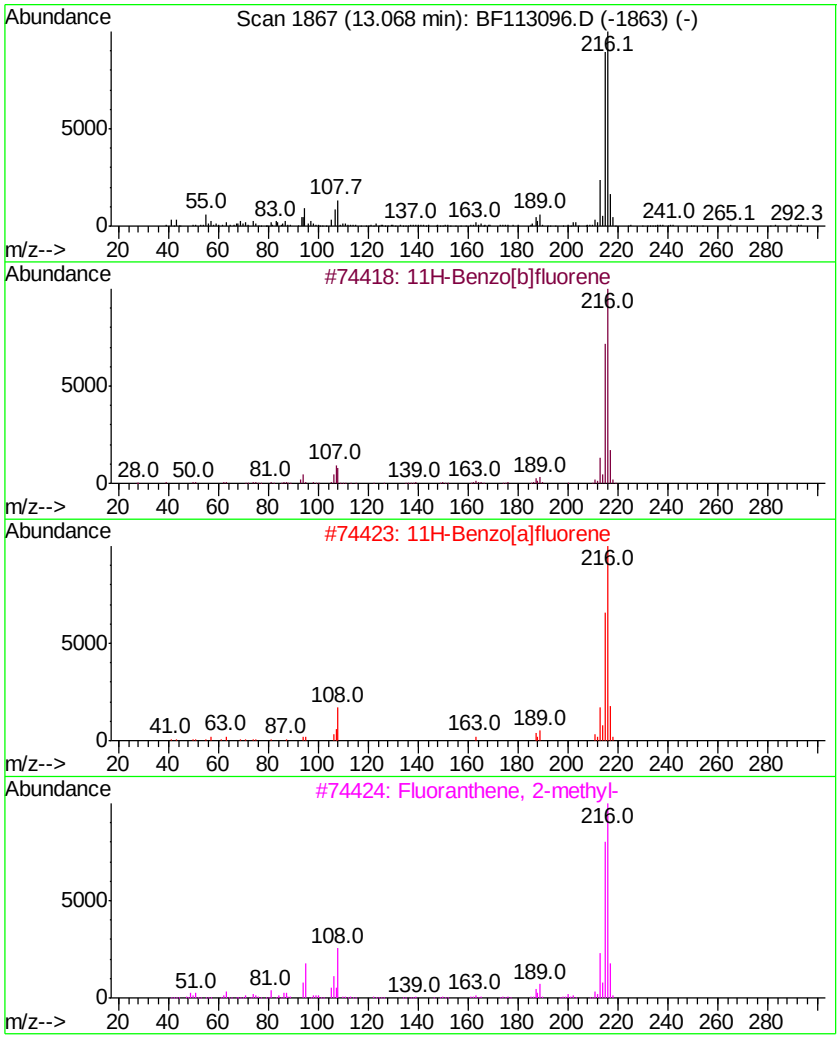
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

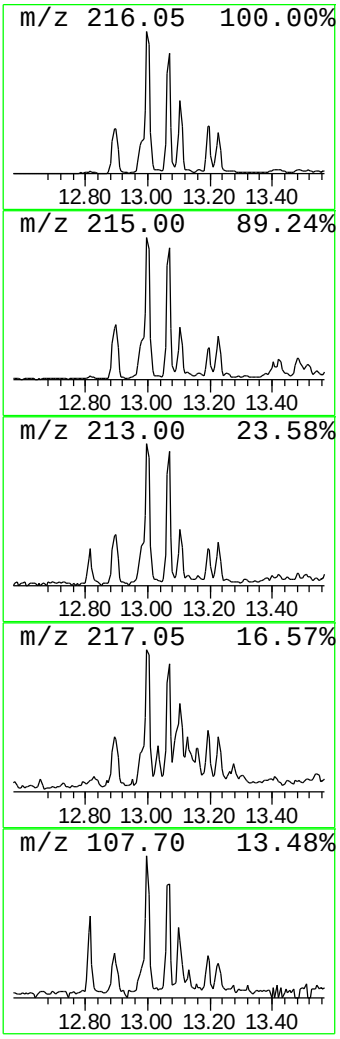
****

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.93 ng	285850	Chrysene-d12	13.87

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	92
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113096.D
Acq On : 18 Mar 2019 17:54
Operator : JU/SJ
Sample : K1697-11 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-031519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

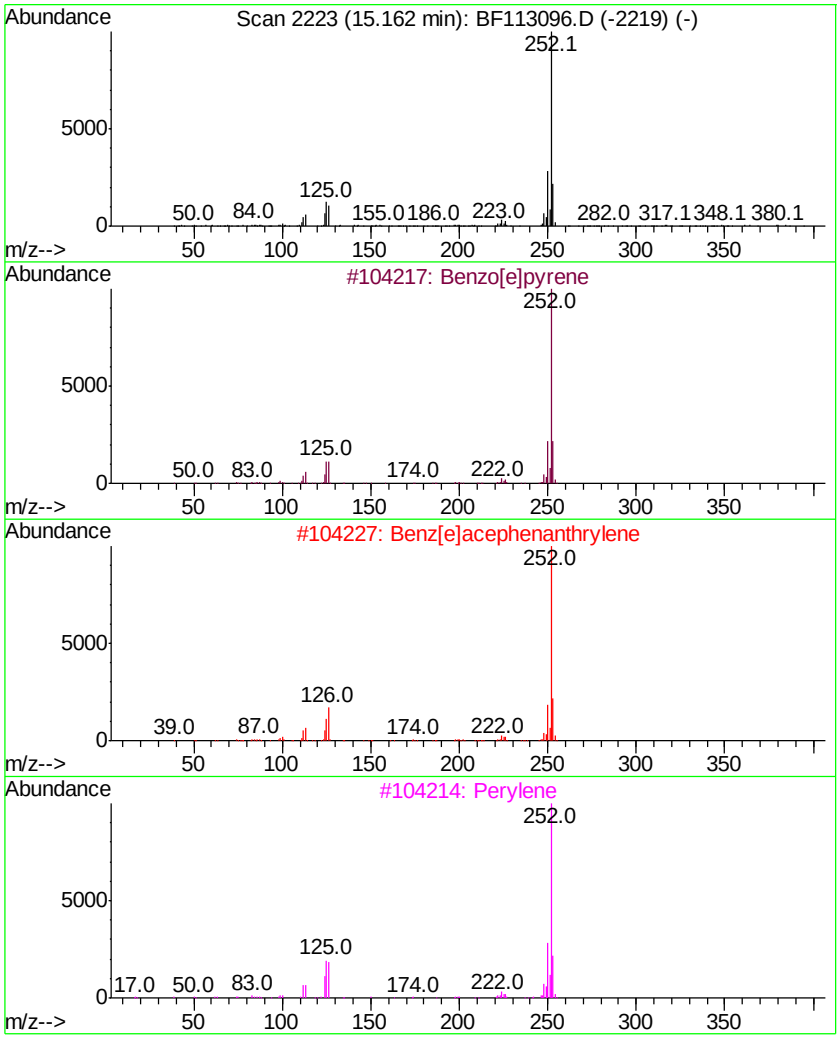
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

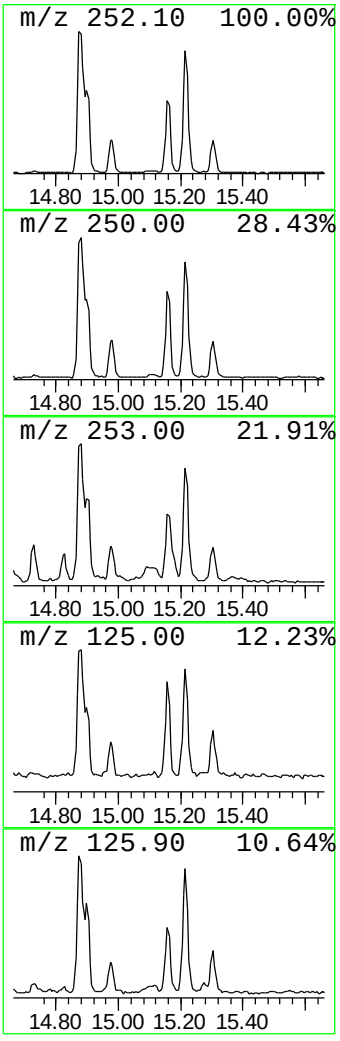
****

Peak Number 15 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	6.14 ng	338139	Perylene-d12	15.28

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	96
3	Perylene	252	C20H12	000198-55-0	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031819\
Data File : BF113096.D
Acq On : 18 Mar 2019 17:54
Operator : JU/SJ
Sample : K1697-11 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-031519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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
unknown6.50	6.50	17.3	ng	718560	1	6.73	828825	20.0
Nonadecane, 9-met...	10.67	2.0	ng	121647	4	11.24	1216280	20.0
Dibenzothiophene	11.13	2.3	ng	137899	4	11.24	1216280	20.0
Hexadecanoic acid...	11.64	9.6	ng	586092	4	11.24	1216280	20.0
Phenanthrene, 2-m...	11.74	3.0	ng	180928	4	11.24	1216280	20.0
Anthracene, 2-met...	11.77	4.8	ng	288583	4	11.24	1216280	20.0
4H-Cyclopenta[def...	11.85	5.8	ng	351169	4	11.24	1216280	20.0
Phenanthrene, 2,5...	12.29	2.1	ng	130094	4	11.24	1216280	20.0
9,12-Octadecadien...	12.32	27.7	ng	1683290	4	11.24	1216280	20.0
13-Octadecenoic a...	12.34	29.2	ng	1778060	4	11.24	1216280	20.0
unknown12.36	12.36	3.5	ng	212268	4	11.24	1216280	20.0
Fluoranthene, 2-m...	13.00	4.0	ng	389302	5	13.87	1951610	20.0
11H-Benzo[b]fluorene	13.07	2.9	ng	285850	5	13.87	1951610	20.0
Benzo[e]pyrene	15.16	6.1	ng	338139	6	15.28	1101480	20.0