LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-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-BF062119.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	4.425	418	423	430	rVB	65415	77608	1.42%	0.124%
2	5.195	549	554	557	rBV	2481311	2325654	42.67%	3.705%
3	6.237	727	731	734	rBV	2659248	2449366	44.94%	3.902%
4	6.366	749	753	757	rBV	3011772	2622146	48.11%	4.177%
5	6.601	789	793	797	rBV	1752960	1387094	25.45%	2.210%
6	6.754	816	819	823	rBV	2379756	2124819	38.98%	3.385%
7	7.160	883	888	891	rBV	1853050	1542355	28.30%	2.457%
8	7.883	1007	1011	1013	rBV	2219012	1824985	33.48%	2.907%
9	7.901	1013	1014	1017	rVB	188271	118492	2.17%	0.189%
10	8.325	1083	1086	1094	rBV4	42111	59981	1.10%	0.096%
11	8.495	1112	1115	1117	rBV2	65582	59284	1.09%	0.094%
12	8.595	1128	1132	1136	rVB	136744	133016	2.44%	0.212%
13	8.689	1145	1148	1153	rBV2	111542	112645	2.07%	0.179%
14	8.960	1190	1194	1197	rBV	3573851	3030098	55.59%	4.827%
15	9.054	1208	1210	1214	rVB	103478	91188	1.67%	0.145%
16	9.225	1234	1239	1245	rBV4	101849	176091	3.23%	0.281%
17	9.289	1245	1250	1252	rBV2	122564	152594	2.80%	0.243%
18	9.319	1252	1255	1257	rVB	79966	64367	1.18%	0.103%
19	9.354	1257	1261	1264	rBV	564757	496679	9.11%	0.791%
20	9.489	1281	1284	1287	rBV	187077	171831	3.15%	0.274%
21	9.583	1297	1300	1303	rBV	145135	113473	2.08%	0.181%
22	9.630	1303	1308	1311	rVV	2243917	2048591	37.58%	3.264%
23	9.660	1311	1313	1316	rVB	314772	238078	4.37%	0.379%
24	9.830	1337	1342	1347	rBV	267614	306159	5.62%	0.488%
25	9.907	1352	1355	1358	rVB4	83360	76444	1.40%	0.122%
26	9.948	1359	1362	1364	rBV3	80105	92720	1.70%	0.148%
27	9.972	1364	1366	1369	rVB	73109	68941	1.26%	0.110%
28	10.083	1382	1385	1388	rVB2	187478	146850	2.69%	0.234%
29	10.172	1397	1400	1403	rBV	606338	472433	8.67%	0.753%
30	10.301	1418	1422	1425	rBV	147345	163101	2.99%	0.260%
31	10.330	1425	1427	1429	rVB	100857	73998	1.36%	0.118%
32	10.407	1437	1440	1445	rVB2	1841357	1767816	32.43%	2.816%
33	10.554	1462	1465	1466	rBV	229199	197858	3.63%	0.315%
34	10.719	1490	1493	1495	rVB	82244	73574	1.35%	0.117%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-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-BF062119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.748	1495	1498	1501	rBV2	98880	90731	1.66%	0.145%
36	10.872	1517	1519	1523	rVB4	75615	77528	1.42%	0.124%
37	10.960	1532	1534	1536	rBV	63919	61588	1.13%	0.098%
38	10.995	1537	1540	1543	rVV	371724	351279	6.44%	0.560%
39	11.030	1543	1546	1552	rVB	205641	206010	3.78%	0.328%
40	11.101	1554	1558	1560	rBV	2135728	1989679	36.50%	3.170%
41	11.124	1560	1562	1566	rVV	2529112	2265828	41.57%	3.610%
42	11.177	1566	1571	1574	rVB	815758	689486	12.65%	1.098%
43	11.330	1595	1597	1600	rVB	116885	89090	1.63%	0.142%
44	11.424	1610	1613	1619	rVB2	258225	281390	5.16%	0.448%
45	11.519	1626	1629	1633	rVB	1182854	943072	17.30%	1.502%
46	11.601	1640	1643	1646	rBV	255573	213270	3.91%	0.340%
47	11.630	1646	1648	1650	rVV	375214	323522	5.94%	0.515%
48	11.654	1650	1652	1654	rVV	810135	660122	12.11%	1.052%
49	11.677	1654	1656	1659	rVV	207963	203272	3.73%	0.324%
50	11.713	1659	1662	1664	rVV	612264	567878	10.42%	0.905%
51	11.736	1664	1666	1669	rVB	173923	141733	2.60%	0.226%
52	11.830	1679	1682	1685	rVB2	227522	194193	3.56%	0.309%
53	11.895	1690	1693	1695	rVV	215179	201116	3.69%	0.320%
54	11.919	1695	1697	1701	rVB3	104492	111111	2.04%	0.177%
55	12.077	1722	1724	1726	rBV	77955	66607	1.22%	0.106%
56	12.148	1733	1736	1739	rBV	148176	168396	3.09%	0.268%
57	12.201	1741	1745	1747	rVV	3692921	3754175	68.87%	5.981%
58	12.224	1747	1749	1755	rVB	5525629	5450843	100.00%	8.684%
59	12.307	1759	1763	1766	rBV	3522692	3301688	60.57%	5.260%
60	12.336	1766	1768	1769	rBV	162006	122633	2.25%	0.195%
61	12.360	1769	1772	1777	rVB2	577568	660530	12.12%	1.052%
62	12.436	1782	1785	1793	rVV3	734688	953208	17.49%	1.519%
63	12.536	1796	1802	1805	rVV	2529440	2775458	50.92%	4.422%
64	12.583	1808	1810	1816	rVB2	220590	246376	4.52%	0.393%
65	12.654	1819	1822	1824	rBV	183487	182657	3.35%	0.291%
66	12.683	1824	1827	1831	rVB	3029230	2826896	51.86%	4.504%
67	12.836	1851	1853	1855	rBV2	104087	114453	2.10%	0.182%
68	12.860	1855	1857	1860	rVB	379554	349236	6.41%	0.556%
69	12.930	1866	1869	1871	rBV	350132	366639	6.73%	0.584%
70	13.054	1888	1890	1893	rBV	125840	102969	1.89%	0.164%
71	13.083	1893	1895	1897	rBV	136665	116079	2.13%	0.185%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-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-BF062119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.471	1959	1961	1963	rBV2	168931	138033	2.53%	0.220%
73	13.724	1999	2004	2006	rBV2	2052596	2615799	47.99%	4.167%
74	13.748	2006	2008	2011	rVB	1008411	773033	14.18%	1.232%
75	14.718	2170	2173	2176	rBV	727628	991044	18.18%	1.579%
76	14.983	2215	2218	2222	rVB	463248	448195	8.22%	0.714%
77	15.036	2224	2227	2231	rBV	649648	680423	12.48%	1.084%
78	15.095	2233	2237	2240	rBV	947928	1043337	19.14%	1.662%

Sum of corrected areas: 62770934

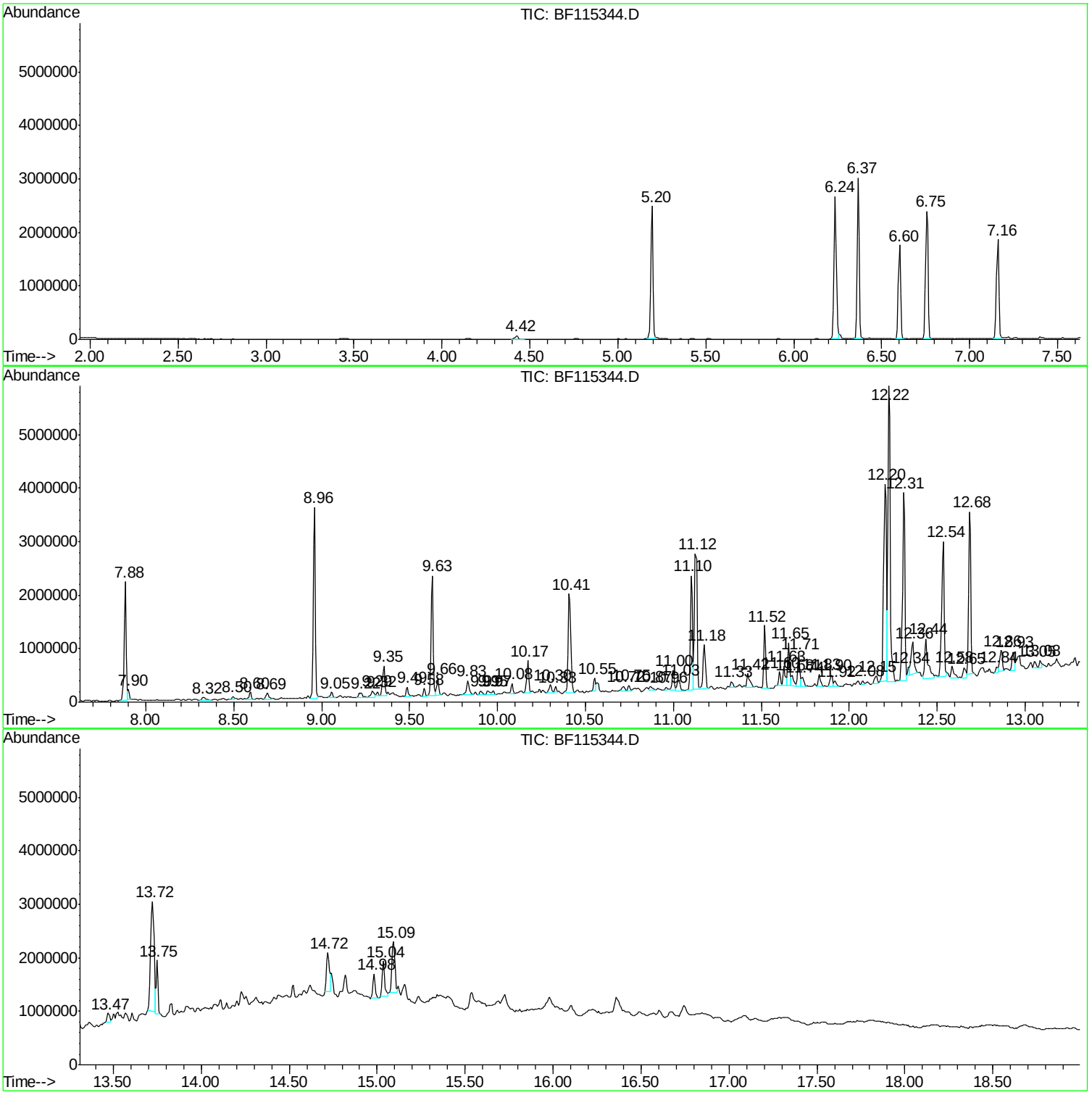
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.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\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

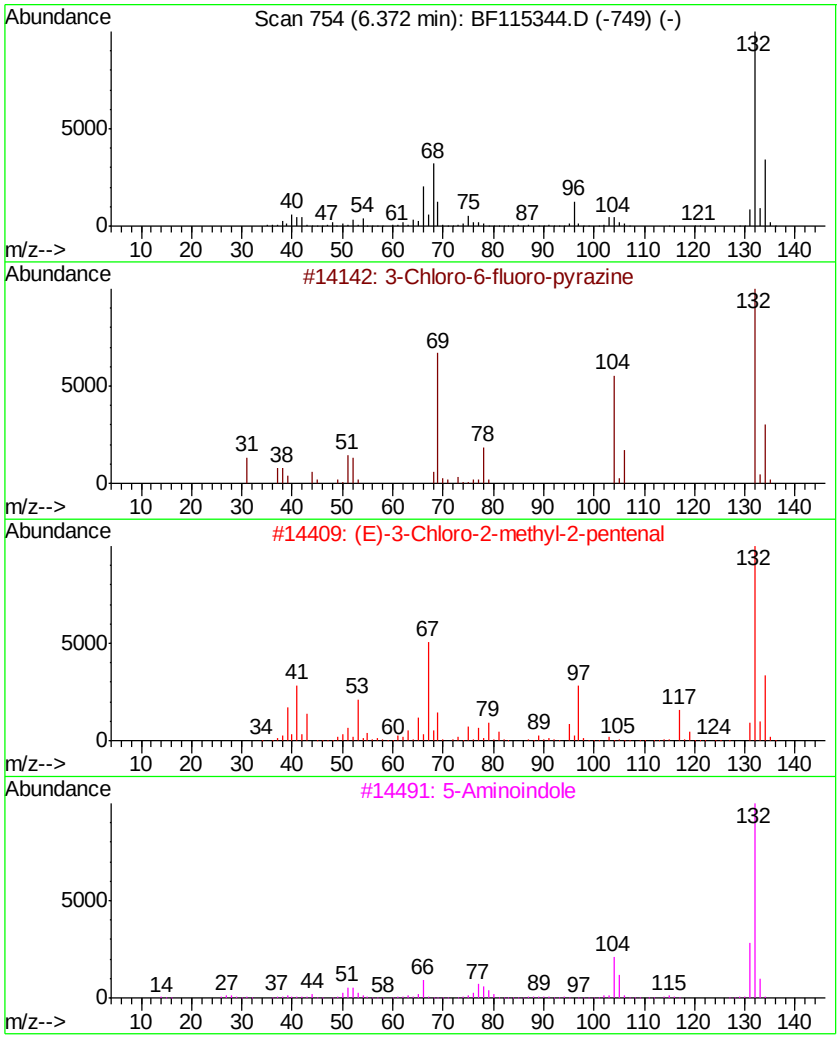
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

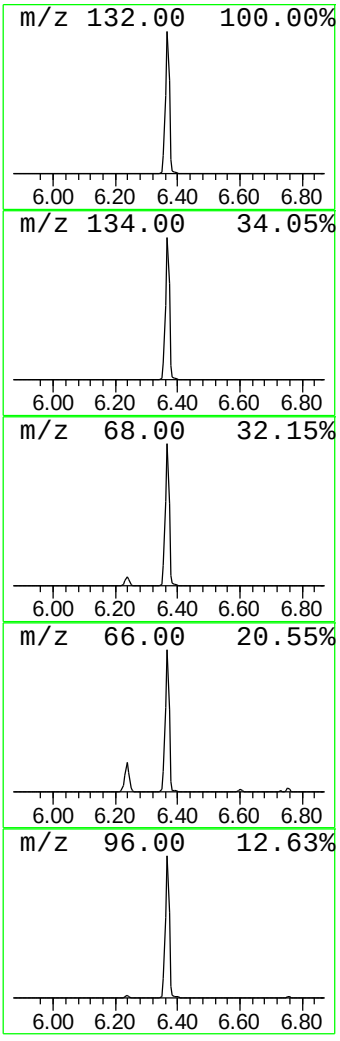
****

Peak Number 1 unknown6.37 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.37	37.81 ng	2622150	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	16
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
5	Amphetaminil	250	C17H18N2	017590-01-1	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

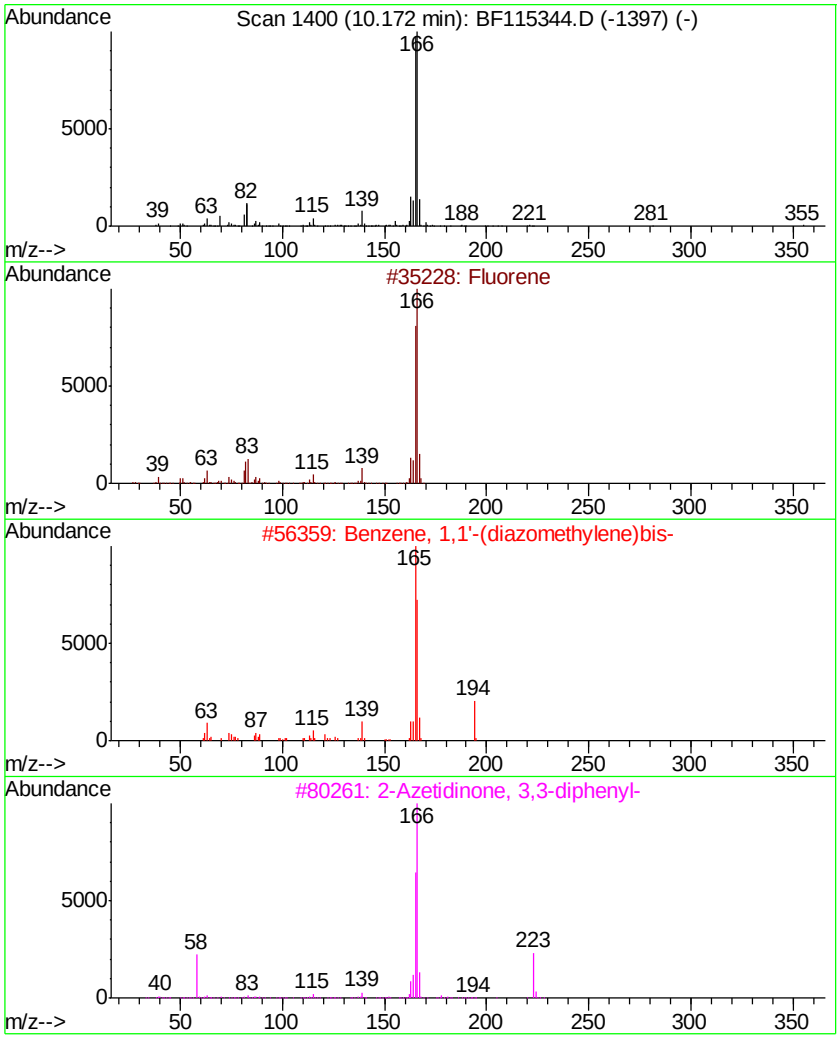
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

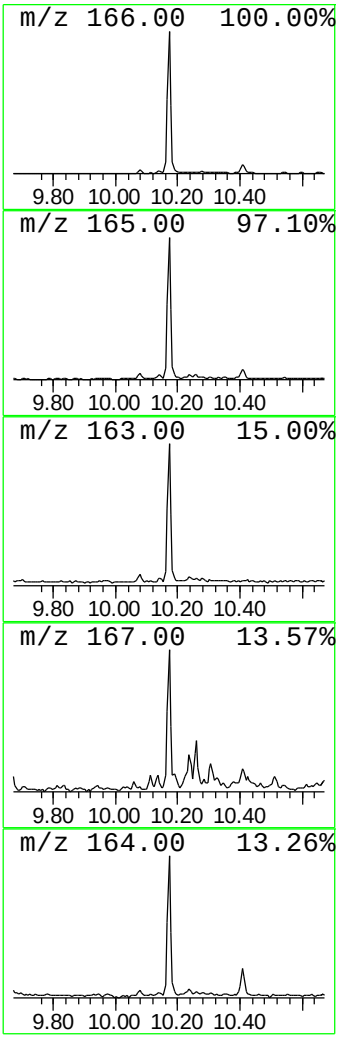
****

Peak Number 3 Benzene, 1,1'-(diazomethyle... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	4.61 ng	472433	Acenaphthene-d10	9.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene	166	C13H10	000086-73-7	96
2	Benzene, 1,1'-(diazomethylene)bis-	194	C13H10N2	000883-40-9	72
3	2-Azetidinone, 3,3-diphenyl-	223	C15H13NO	015826-12-7	72
4	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	64
5	Fluorene-9-methanol	196	C14H12O	024324-17-2	56





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

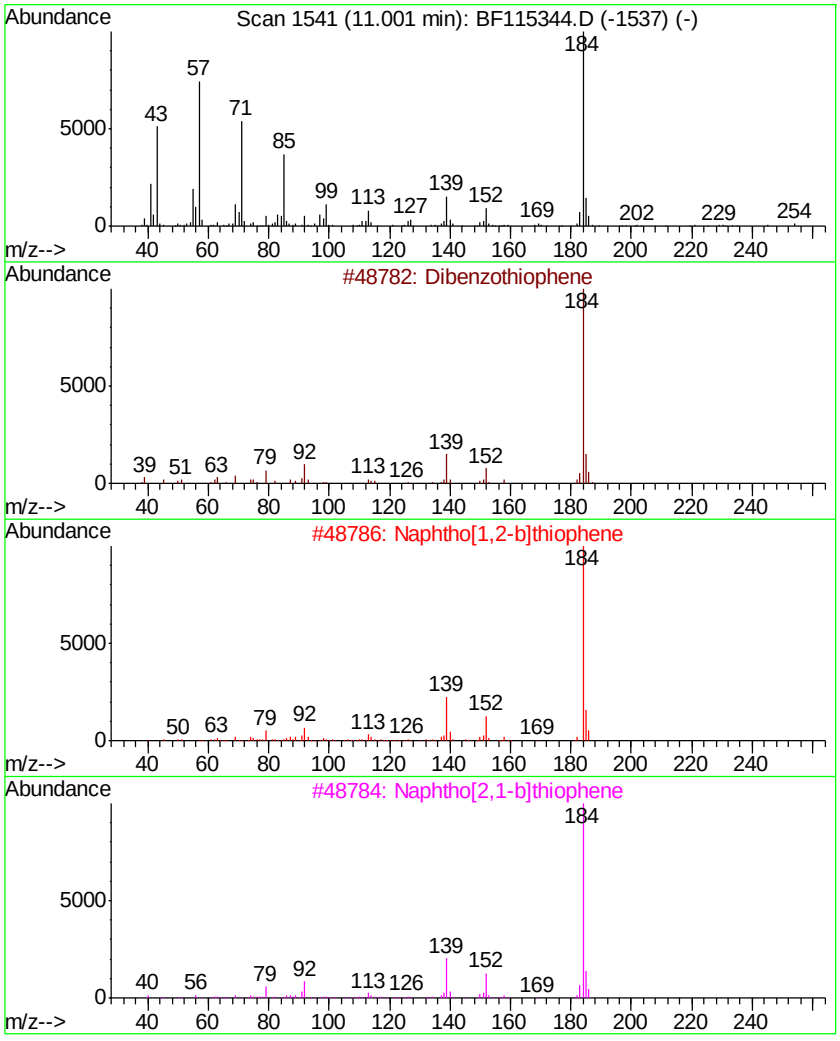
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

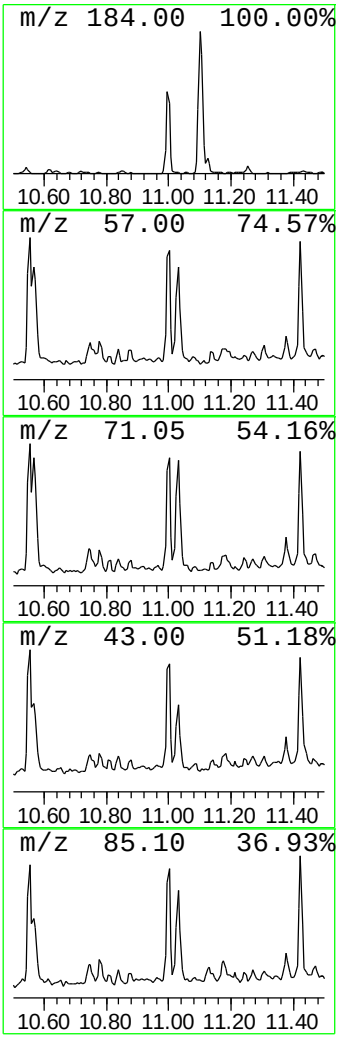
****

Peak Number 4 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	3.53 ng	351279	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	83
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	78
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	64
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	60





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

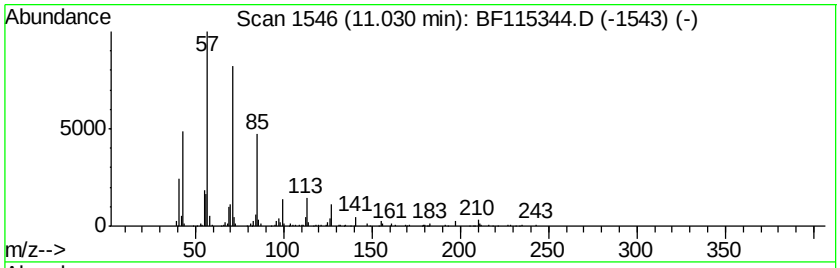
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

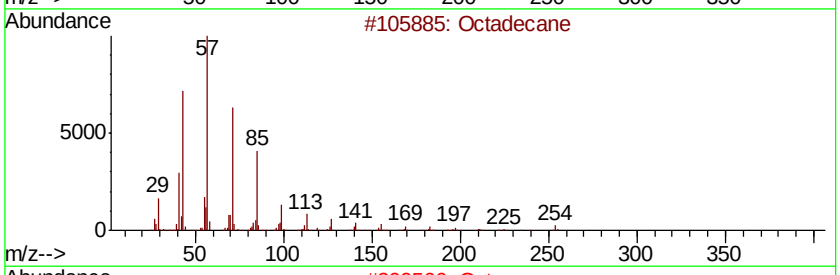
****

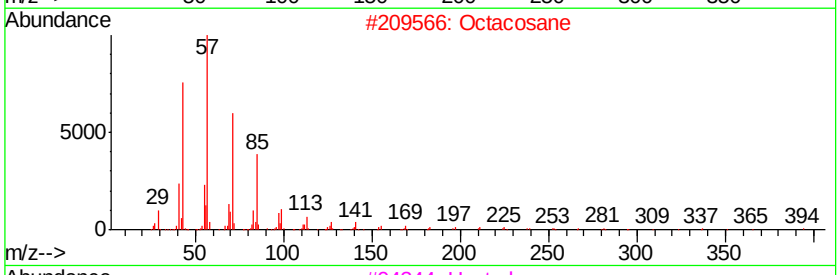
Peak Number 5 Octadecane Concentration Rank 18

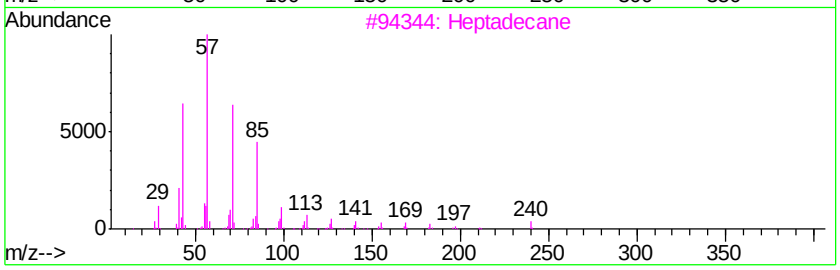
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	2.07 ng	206010	Phenanthrene-d10	11.10

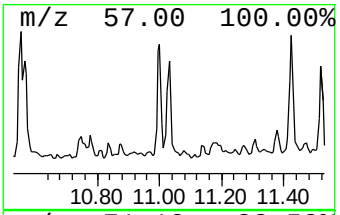
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	90
2	Octacosane	394	C28H58	000630-02-4	86
3	Heptadecane	240	C17H36	000629-78-7	83
4	Hexacosane	366	C26H54	000630-01-3	78
5	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	78

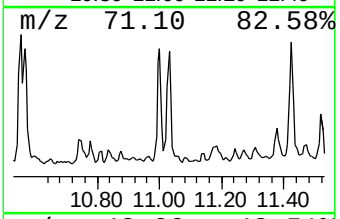


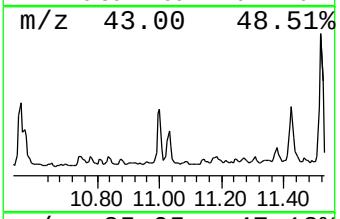


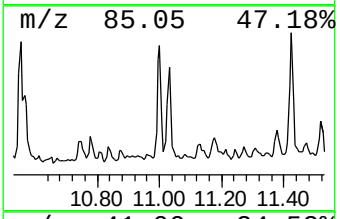


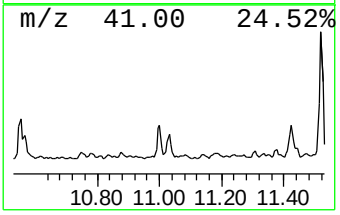












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

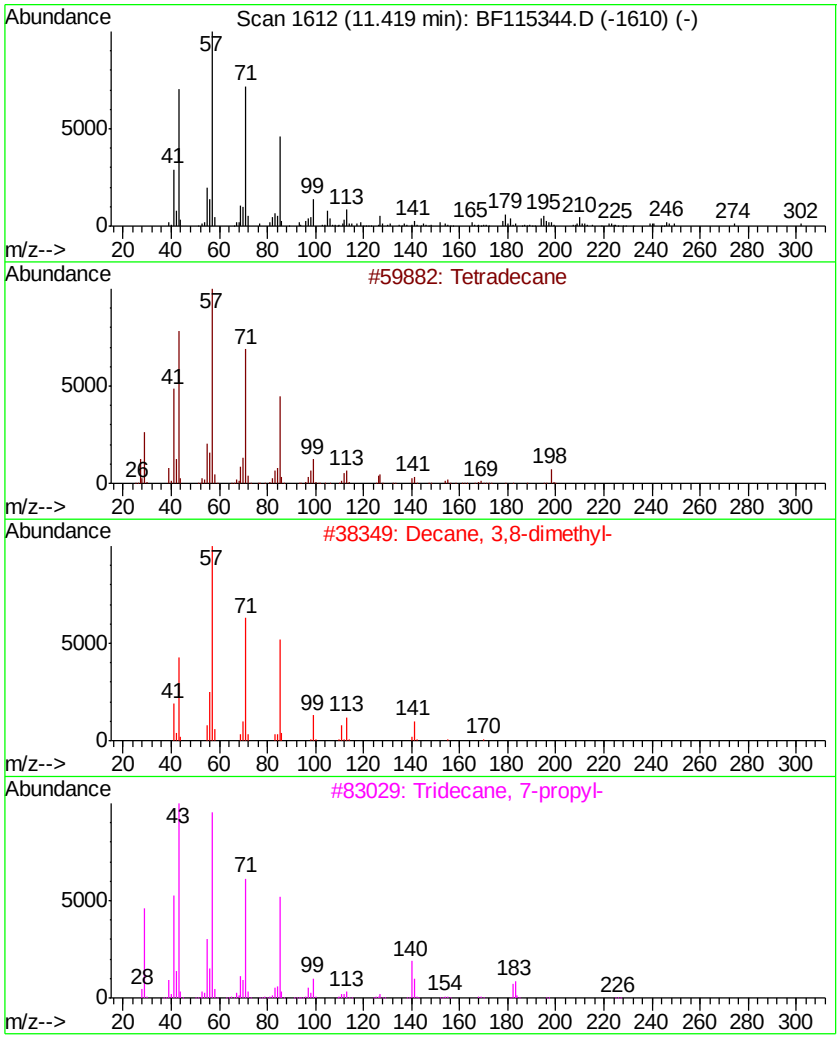
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

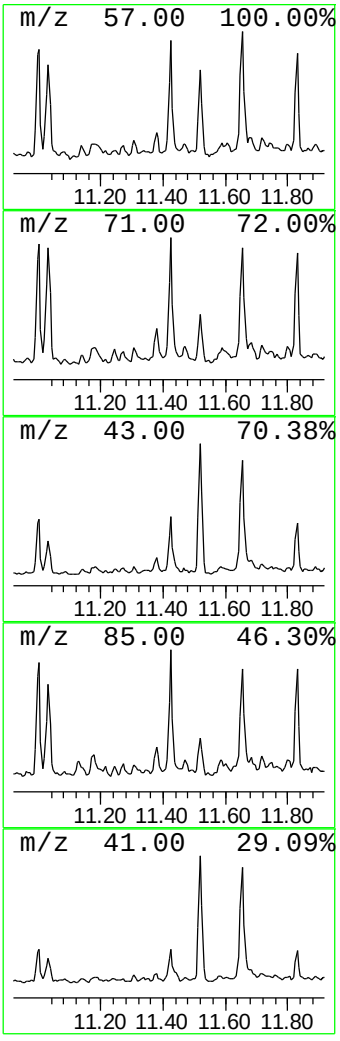
****

Peak Number 6 Tetradecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	2.83 ng	281390	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	91
2	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	76
3	Tridecane, 7-propyl-	226	C16H34	055045-09-5	68
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	64
5	Tridecane, 6-propyl-	226	C16H34	055045-10-8	60





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

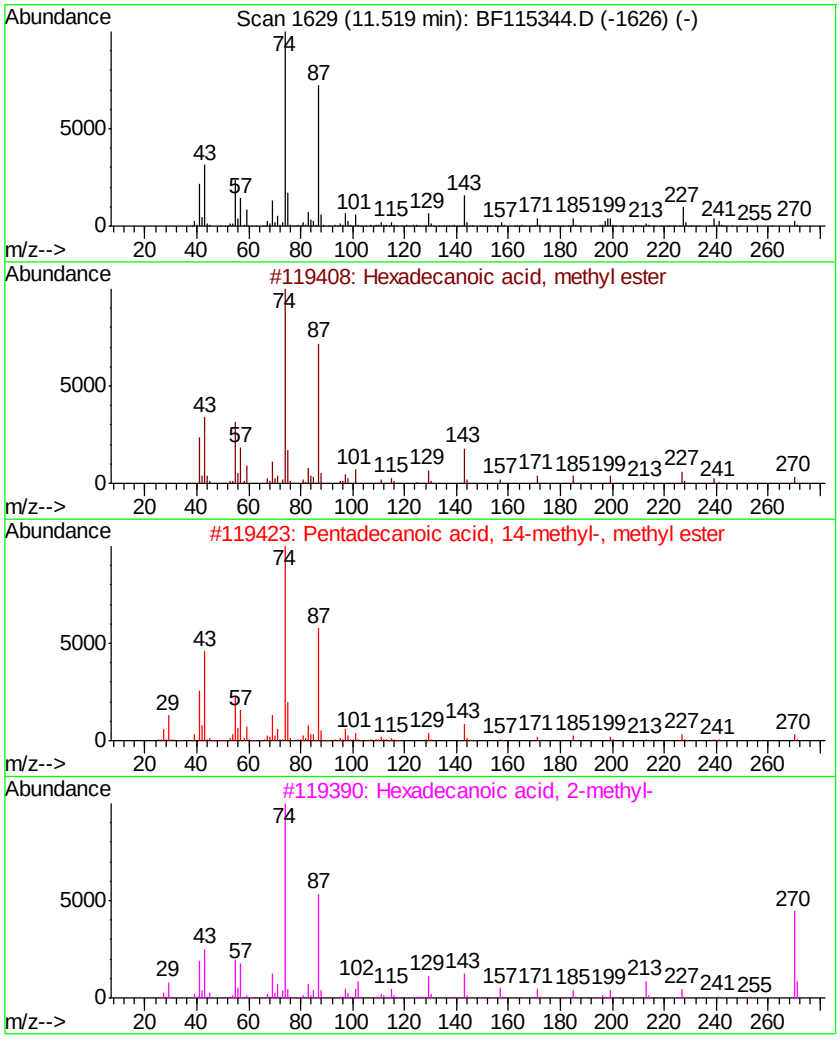
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

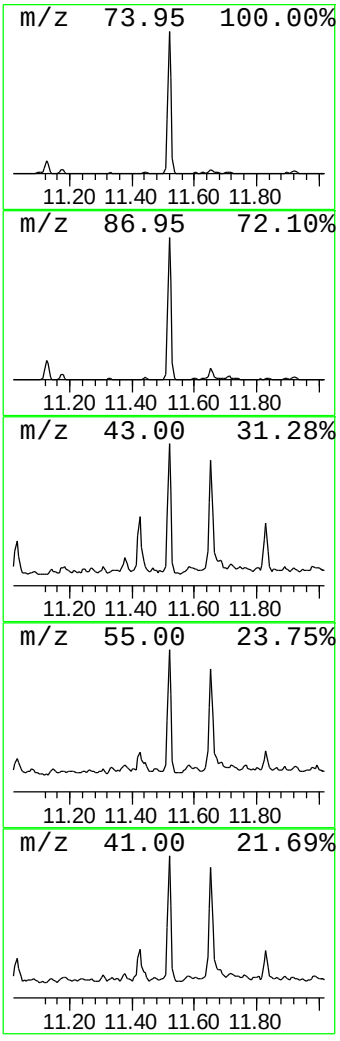
****

Peak Number 7 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	9.48 ng	943072	Phenanthrene-d10	11.10

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	96
3	Hexadecanoic acid, 2-methyl-	270	C17H34O2	027147-71-3	83
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	81
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

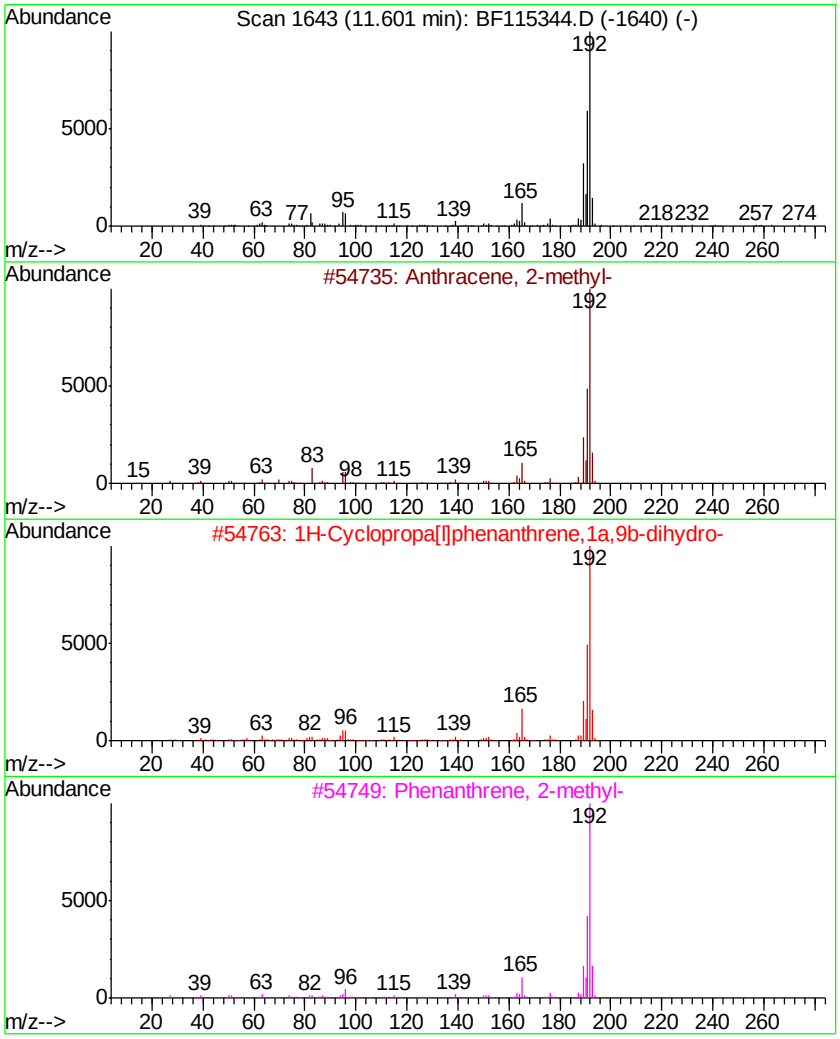
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

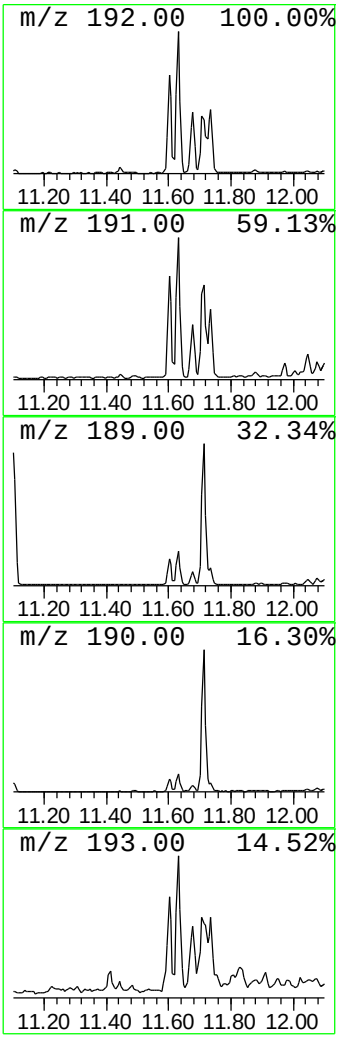
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	2.14 ng	213270	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

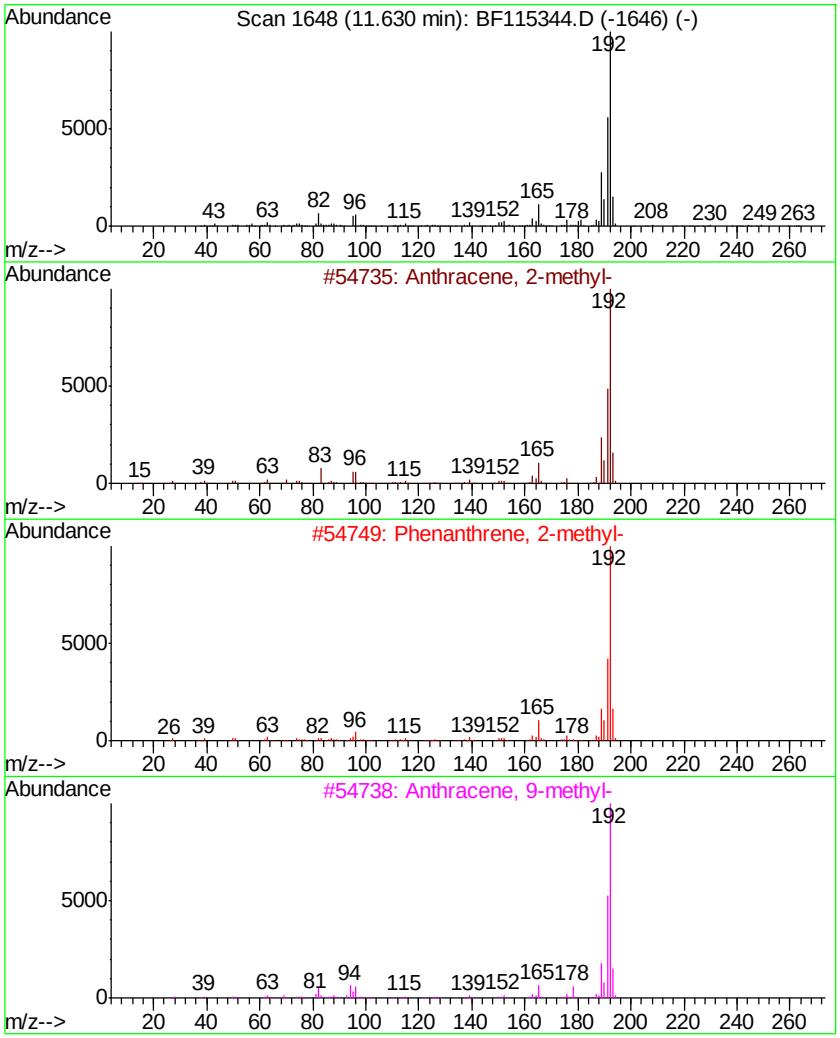
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

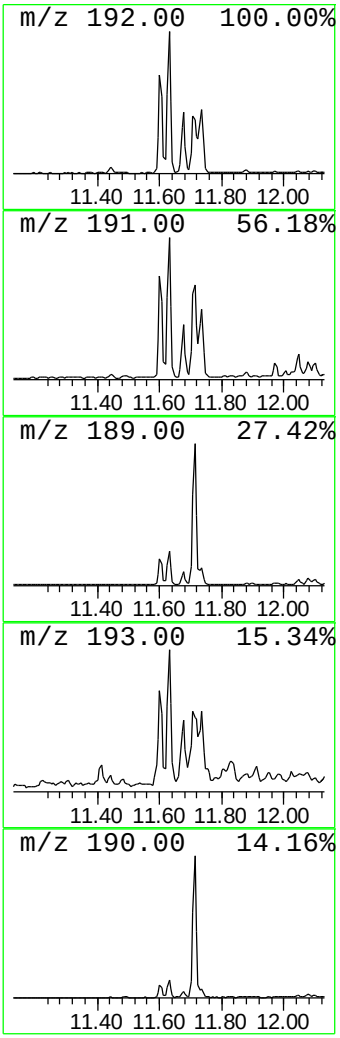
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	3.25 ng	323522	Phenanthrene-d10	11.10

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	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

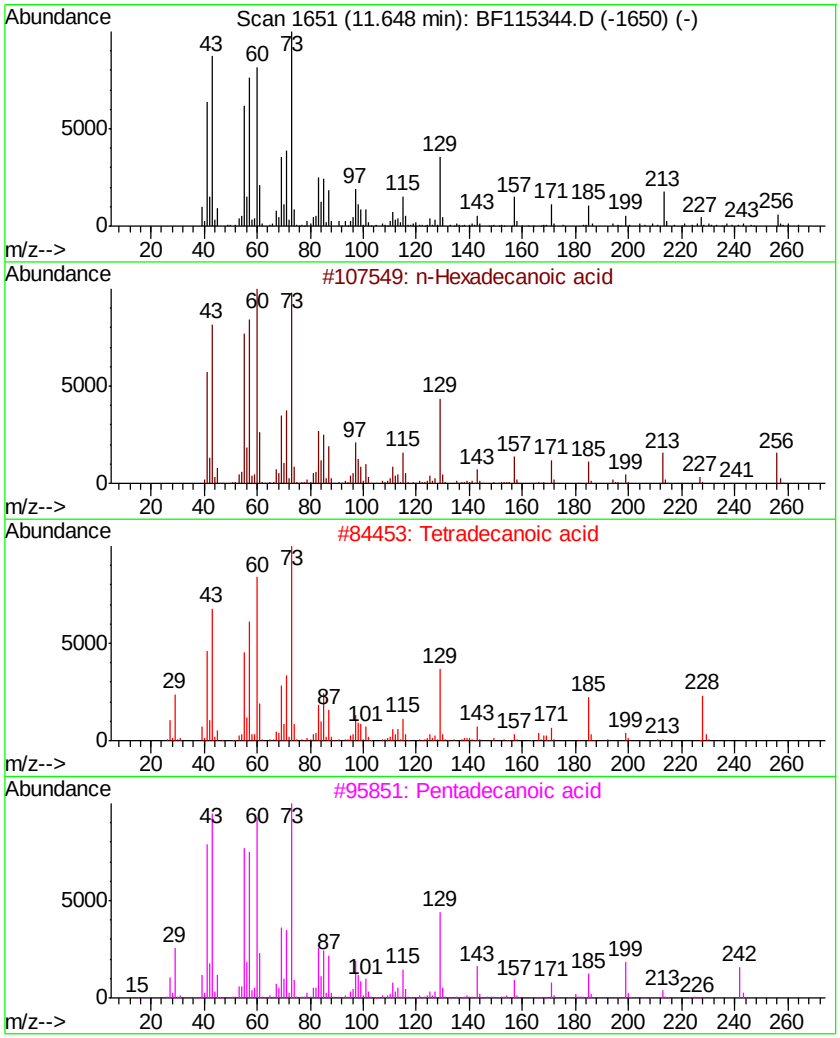
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

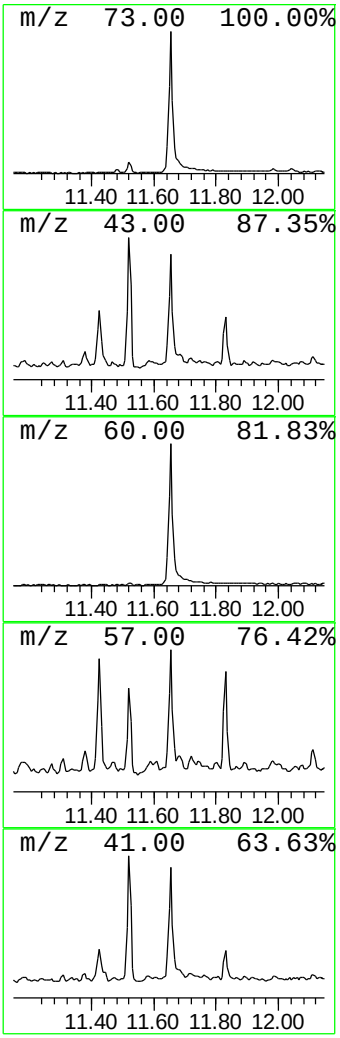
****

Peak Number 10 n-Hexadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	6.64 ng	660122	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	Tridecanoic acid	214	C13H26O2	000638-53-9	81
5	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

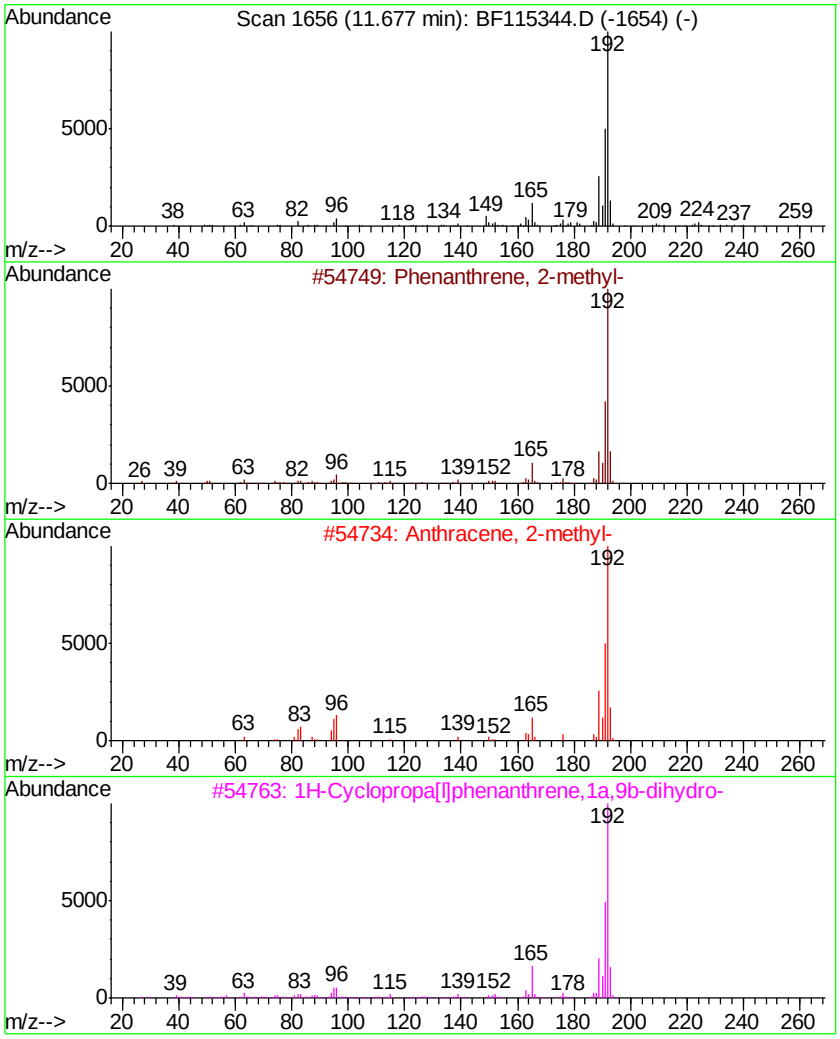
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

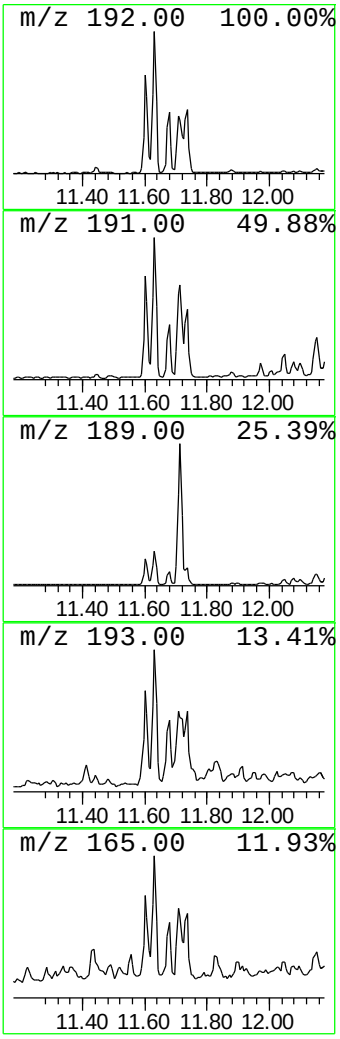
****

Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	2.04 ng	203272	Phenanthrene-d10	11.10

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	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

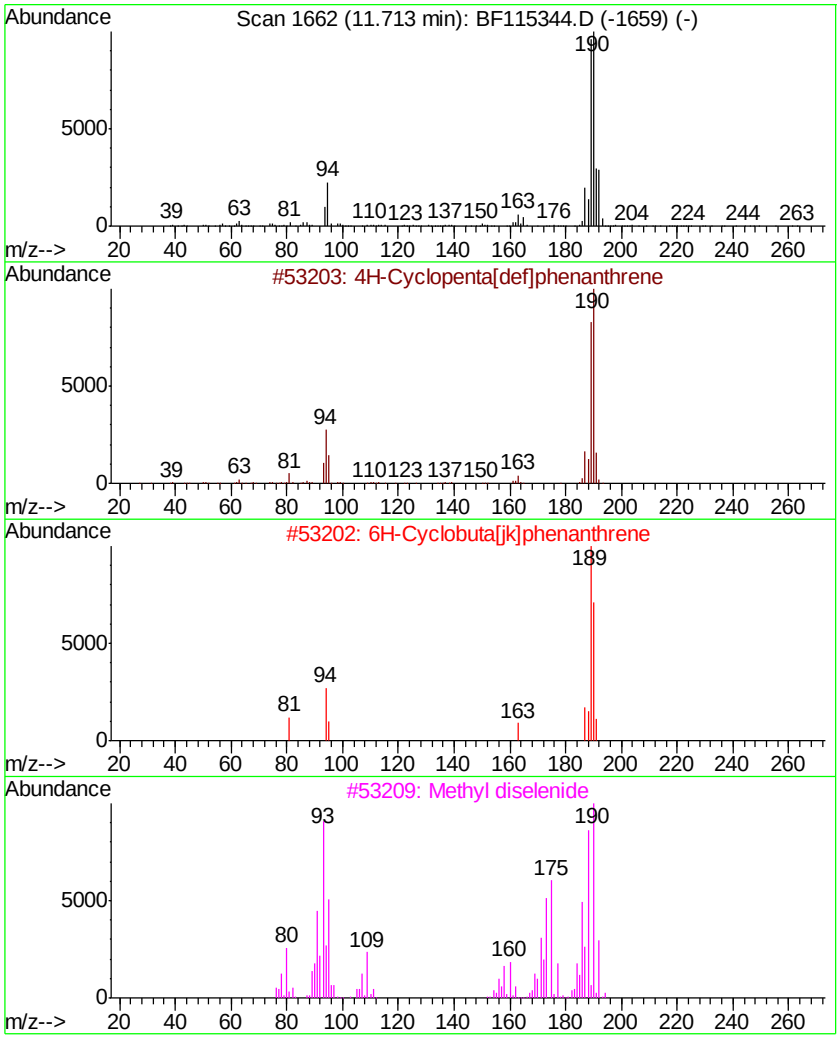
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

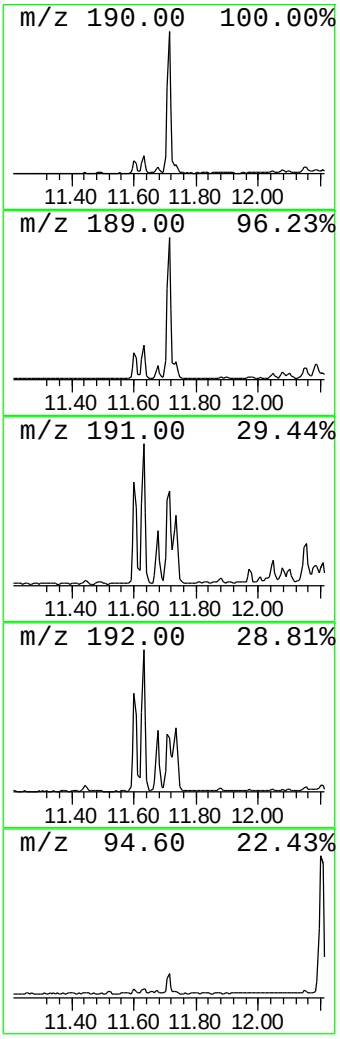
****

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	5.71 ng	567878	Phenanthrene-d10	11.10

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	50
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

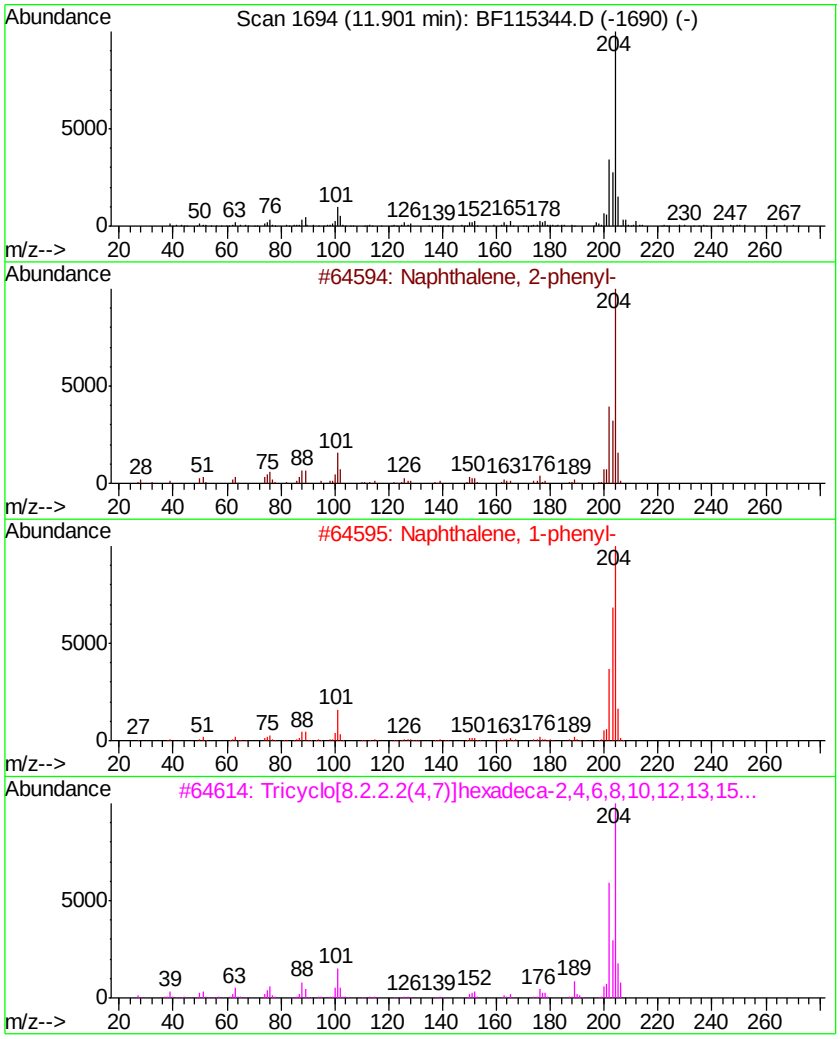
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

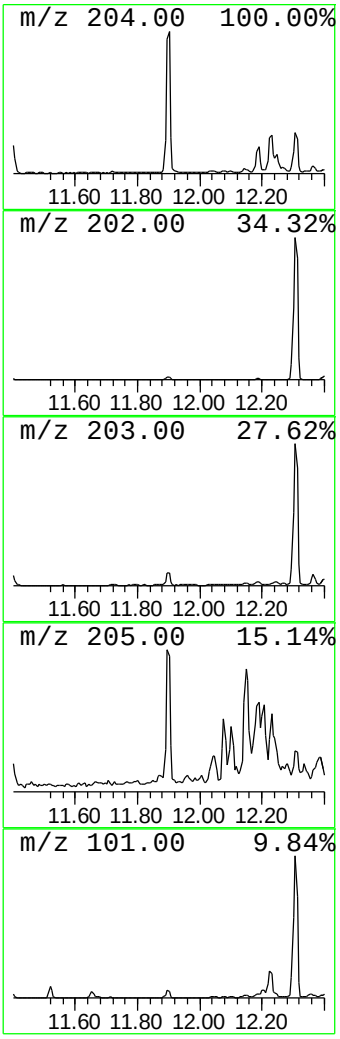
****

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.02 ng	201116	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	58
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

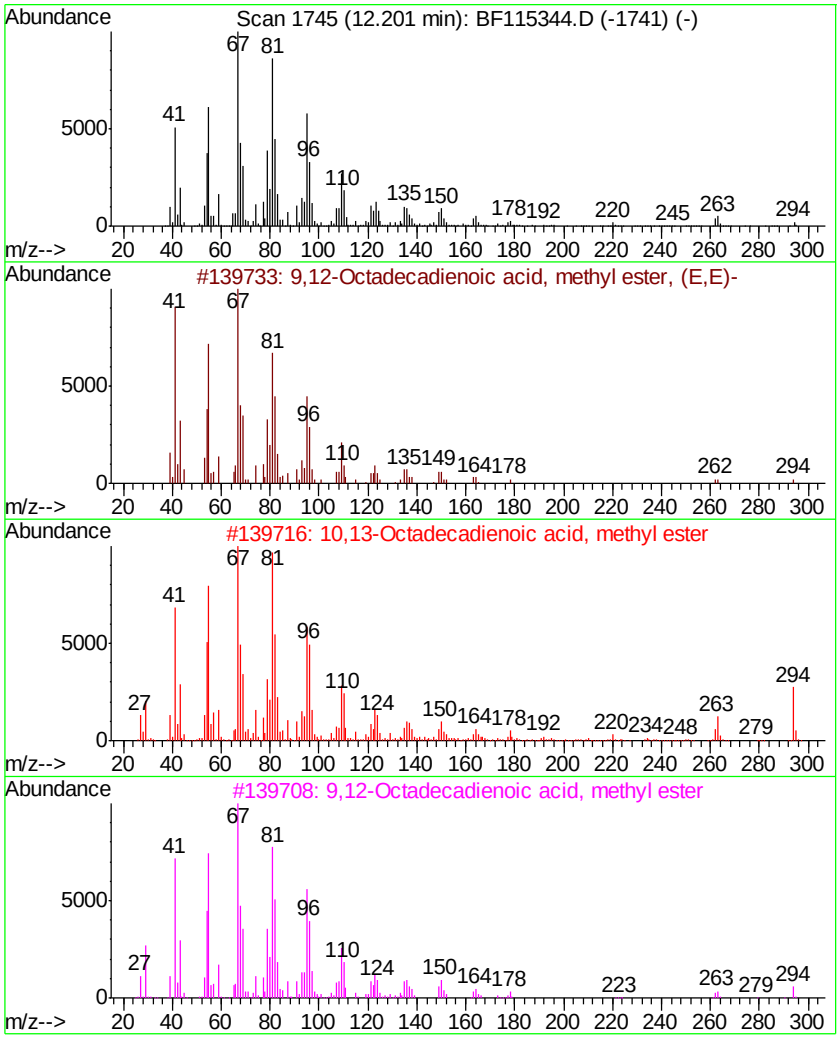
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

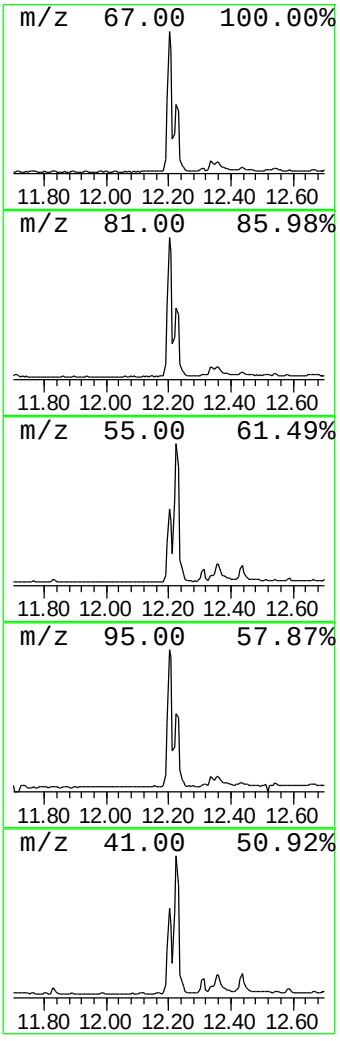
****

Peak Number 14 9,12-Octadecadienoic acid, ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	37.74 ng	3754180	Phenanthrene-d10	11.10

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

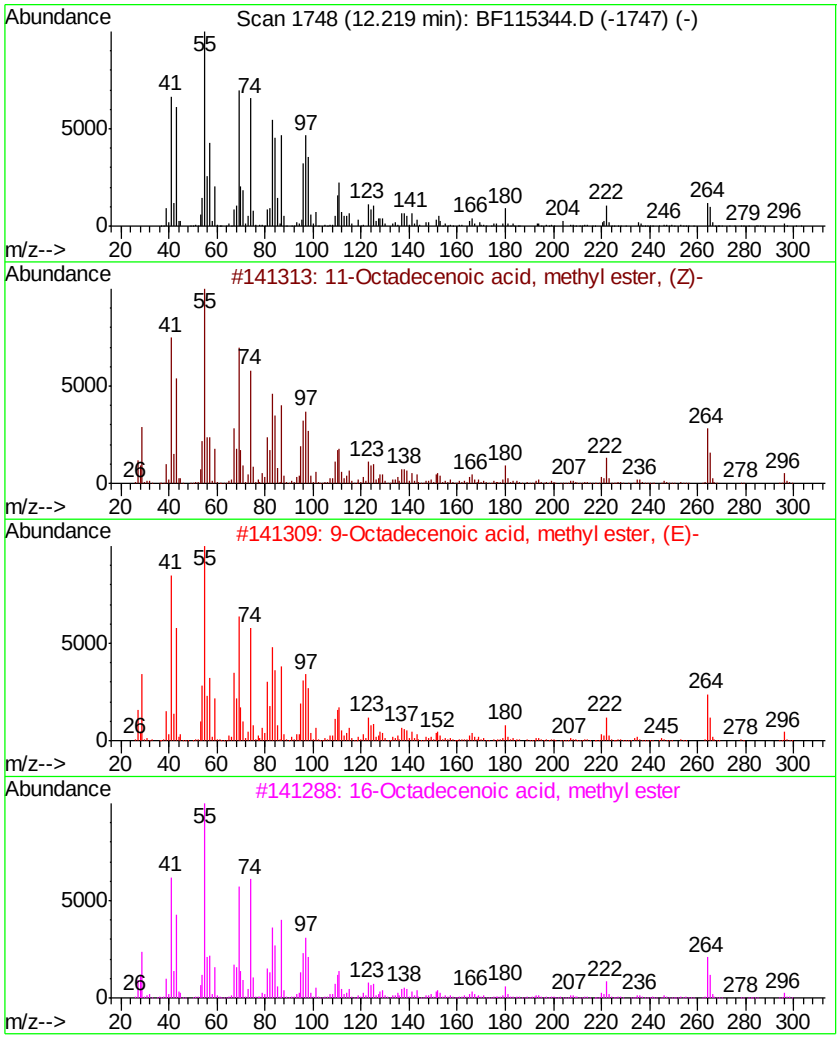
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

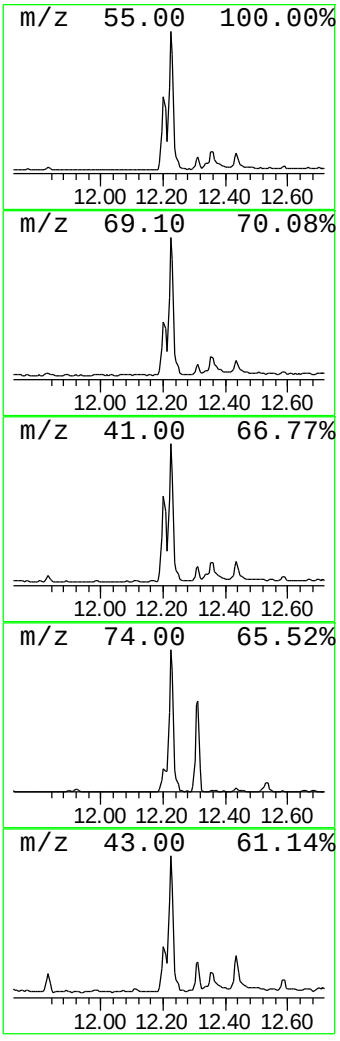
****

Peak Number 15 11-Octadecenoic acid, methy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	54.79 ng	5450840	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
2	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
3	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
4	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
5	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

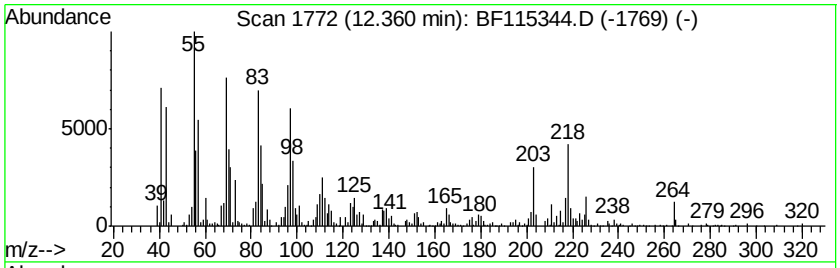
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

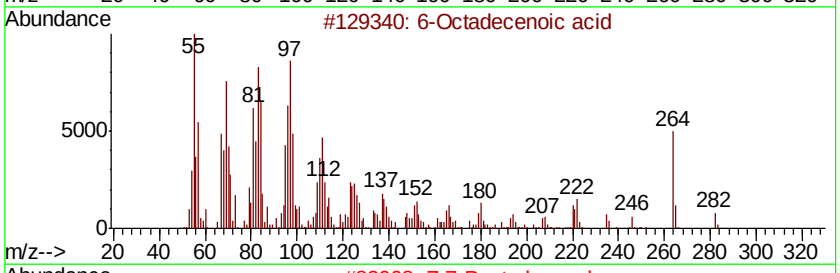
****

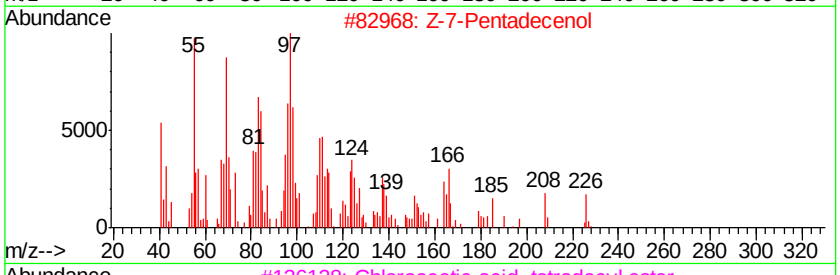
Peak Number 16 6-Octadecenoic acid Concentration Rank 8

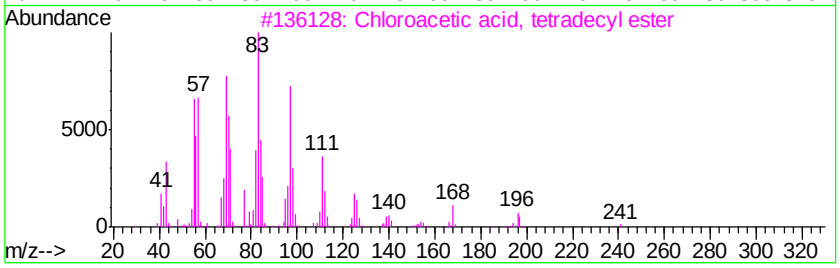
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	6.64 ng	660530	Phenanthrene-d10	11.10

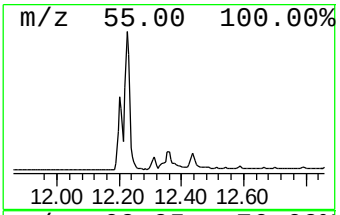
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Octadecenoic acid	282	C18H34O2	1000336-66-8	70
2	Z-7-Pentadecenol	226	C15H30O	1000130-76-6	62
3	Chloroacetic acid, tetradecyl ester	290	C16H31ClO2	018277-86-6	62
4	Trifluoroacetic acid,n-tridecyl ...	296	C15H27F3O2	053800-02-5	60
5	Cyclopentadecane	210	C15H30	000295-48-7	60

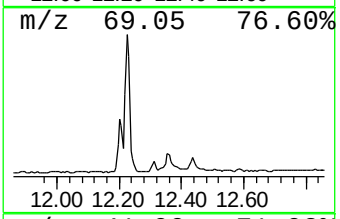


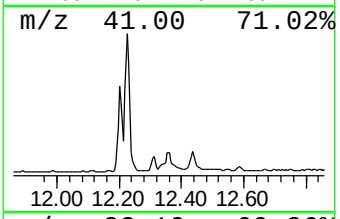


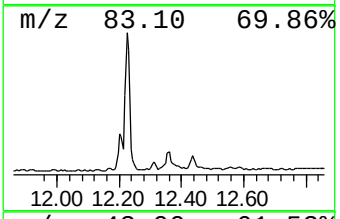


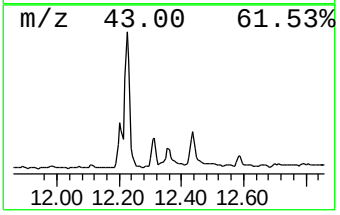












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

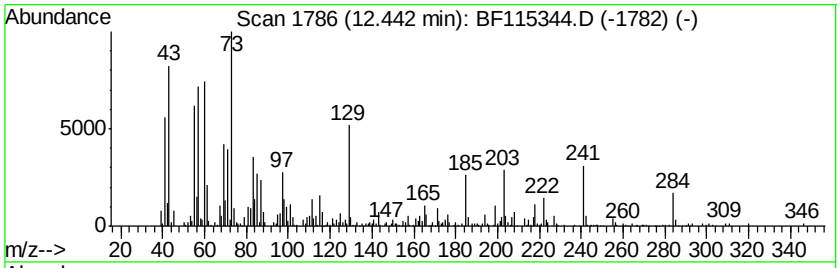
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

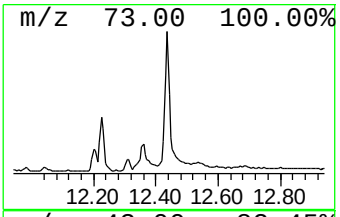
****

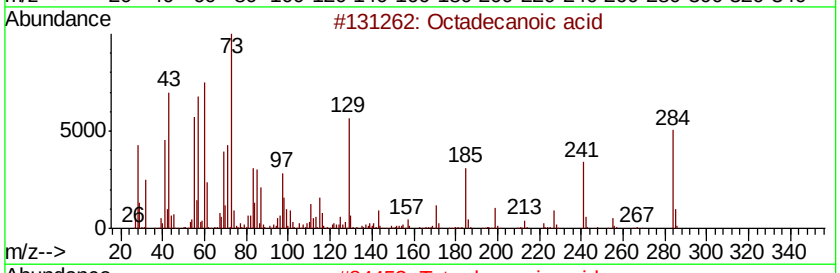
Peak Number 17 Octadecanoic acid Concentration Rank 7

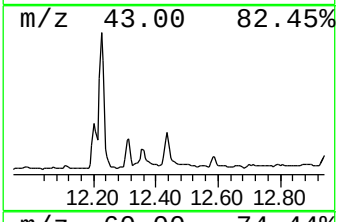
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	7.29 ng	953208	Chrysene-d12	13.72

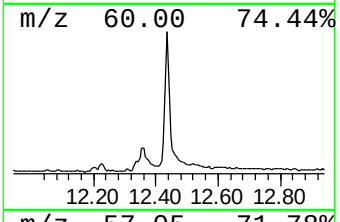
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	n-Decanoic acid	172	C10H20O2	000334-48-5	70
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	62

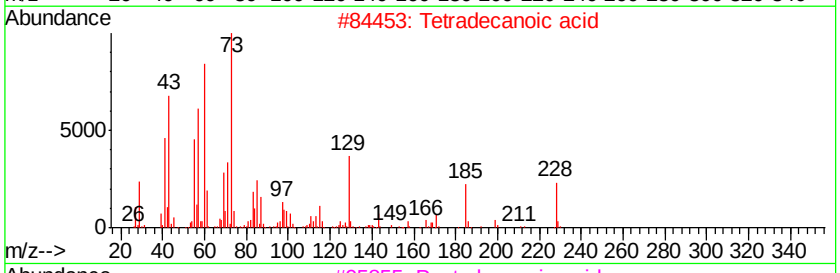


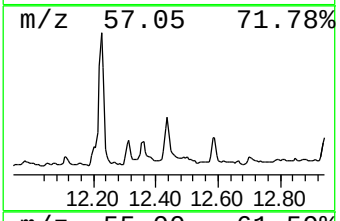


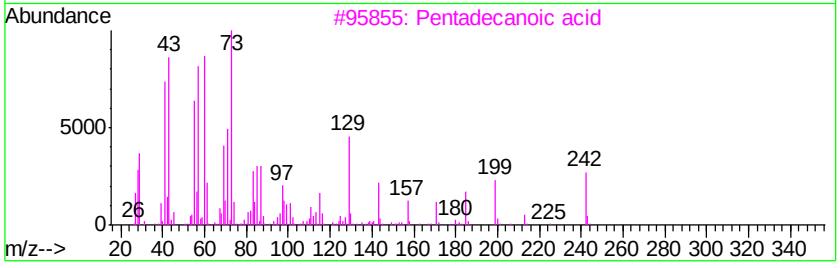


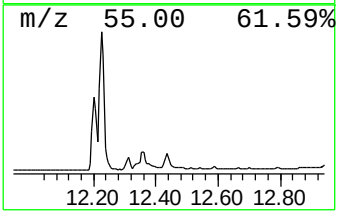












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

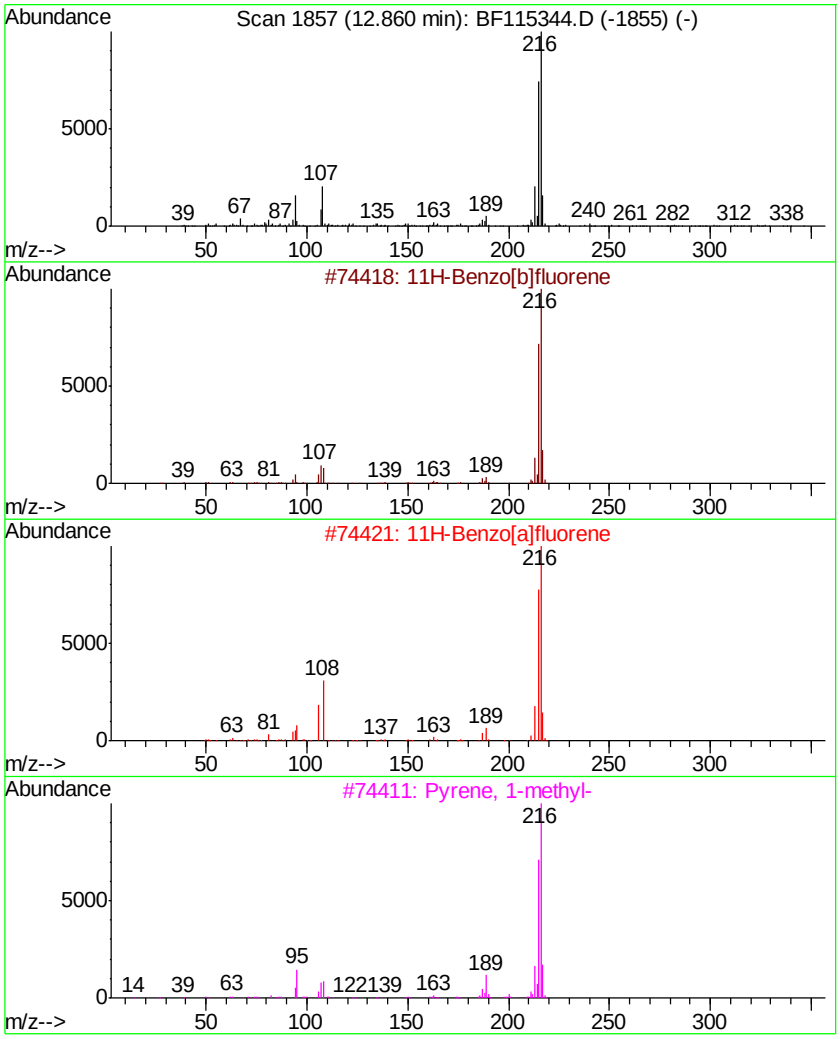
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

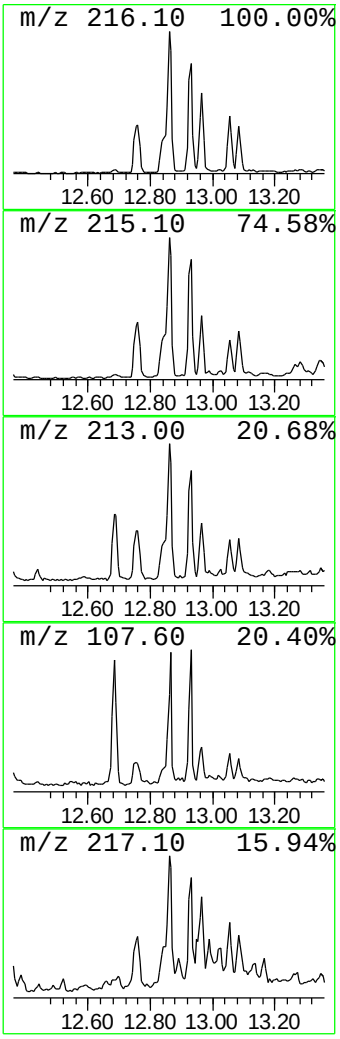
****

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	2.67 ng	349236	Chrysene-d12	13.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

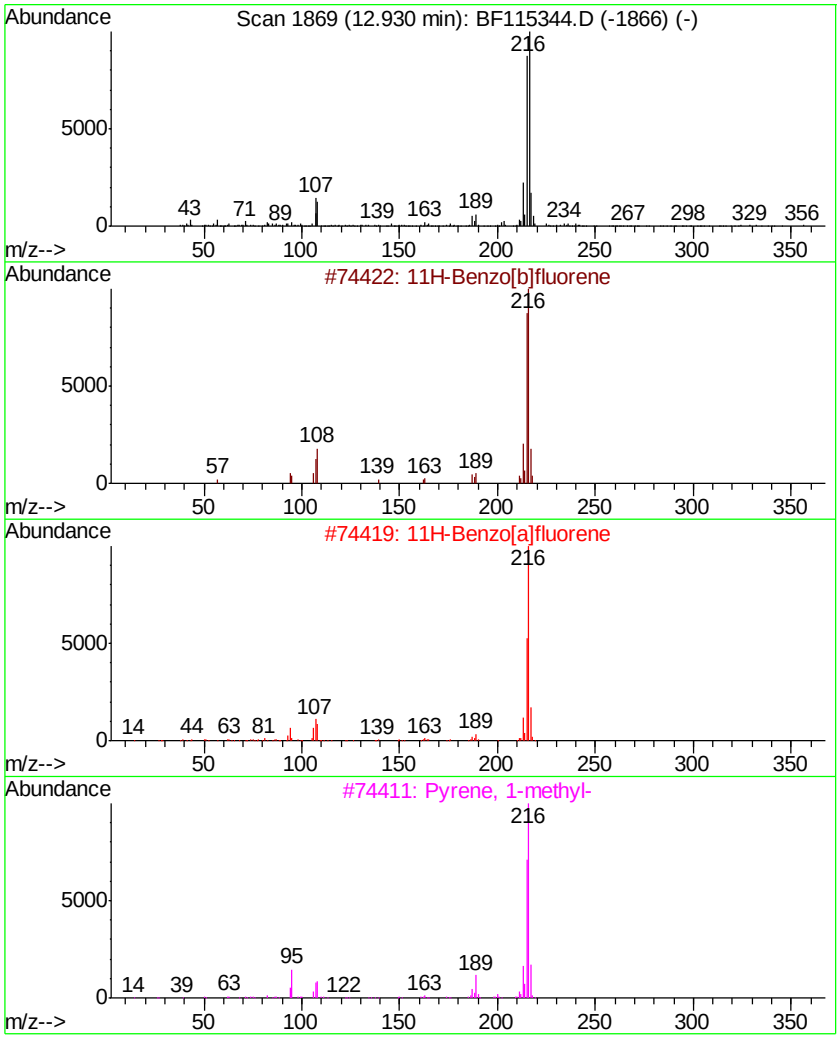
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

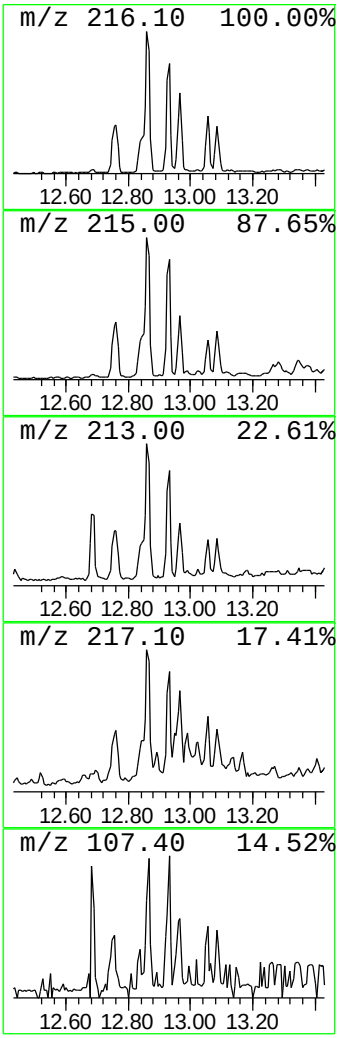
****

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	2.80 ng	366639	Chrysene-d12	13.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

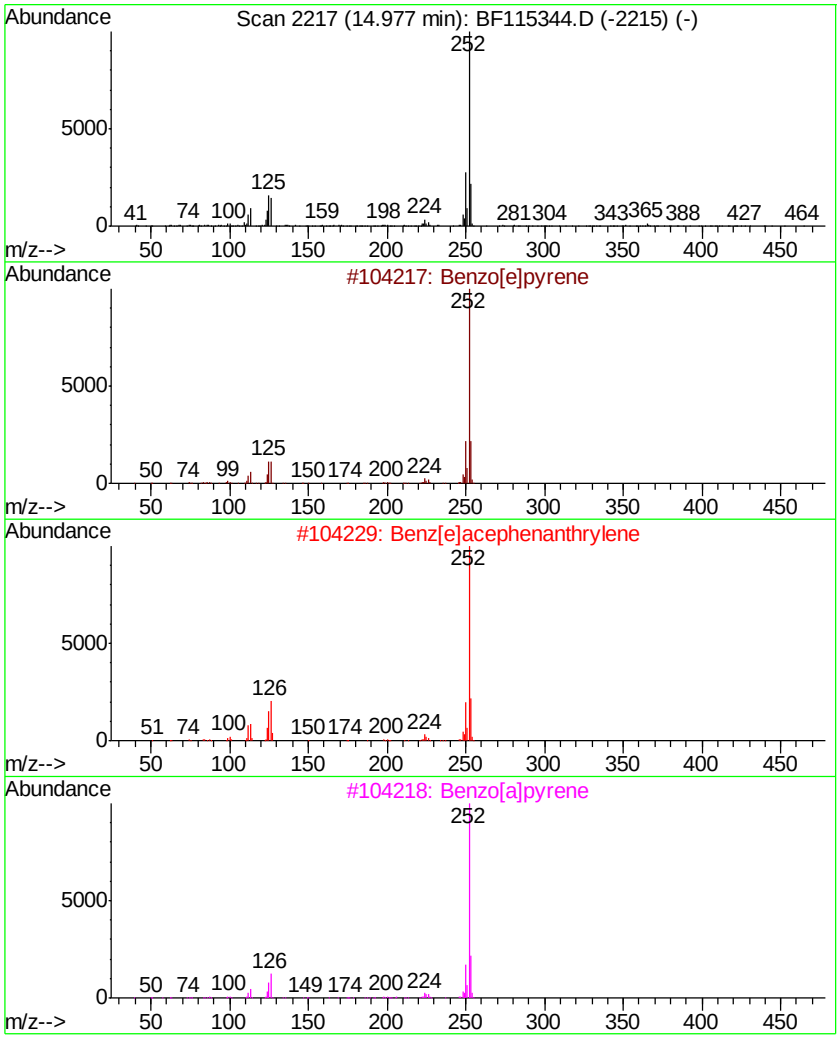
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

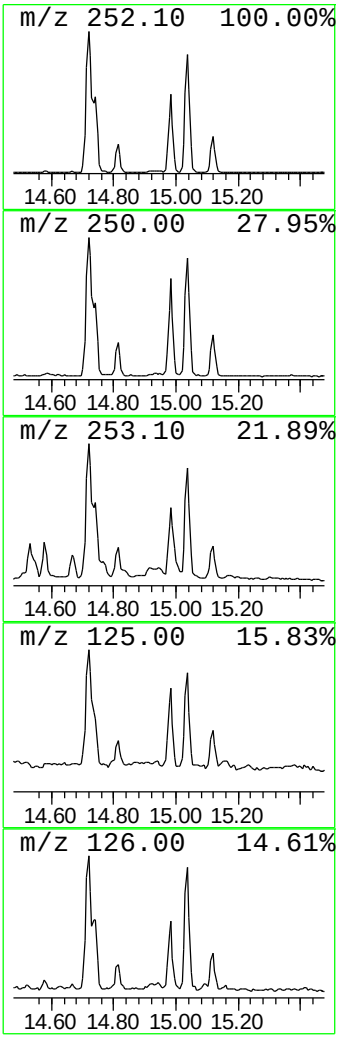
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	8.59 ng	448195	Perylene-d12	15.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070119\
Data File : BF115344.D
Acq On : 1 Jul 2019 17:53
Operator : HP/JU
Sample : K3160-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-062819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.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
unknown6.37	6.37	37.8	ng	2622150	1	6.60	1387090	20.0
Benzene, 1,1'-(di...	10.17	4.6	ng	472433	3	9.63	2048590	20.0
Dibenzothiophene	11.00	3.5	ng	351279	4	11.10	1989680	20.0
Octadecane	11.03	2.1	ng	206010	4	11.10	1989680	20.0
Tetradecane	11.42	2.8	ng	281390	4	11.10	1989680	20.0
Hexadecanoic acid...	11.52	9.5	ng	943072	4	11.10	1989680	20.0
Anthracene, 2-met...	11.60	2.1	ng	213270	4	11.10	1989680	20.0
Phenanthrene, 2-m...	11.63	3.3	ng	323522	4	11.10	1989680	20.0
n-Hexadecanoic acid	11.65	6.6	ng	660122	4	11.10	1989680	20.0
1H-Cyclopropa[l]p...	11.68	2.0	ng	203272	4	11.10	1989680	20.0
4H-Cyclopenta[def...	11.71	5.7	ng	567878	4	11.10	1989680	20.0
Naphthalene, 2-ph...	11.90	2.0	ng	201116	4	11.10	1989680	20.0
9,12-Octadecadien...	12.20	37.7	ng	3754180	4	11.10	1989680	20.0
11-Octadecenoic a...	12.22	54.8	ng	5450840	4	11.10	1989680	20.0
6-Octadecenoic acid	12.36	6.6	ng	660530	4	11.10	1989680	20.0
Octadecanoic acid	12.44	7.3	ng	953208	5	13.72	2615800	20.0
11H-Benzo[b]fluorene	12.86	2.7	ng	349236	5	13.72	2615800	20.0
Pyrene, 1-methyl-	12.93	2.8	ng	366639	5	13.72	2615800	20.0
Benzo[e]pyrene	14.98	8.6	ng	448195	6	15.09	1043340	20.0