LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

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-BF120619.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	5.057	502	505	515	rVB	148758	158888	2.22%	0.333%
2	5.475	572	576	593	rBV	812813	794059	11.09%	1.664%
3	6.492	746	749	757	rBV	907051	825339	11.52%	1.730%
4	6.634	770	773	777	rBV	1049878	898868	12.55%	1.884%
5	6.869	809	813	817	rBV	601263	505174	7.05%	1.059%
6	7.022	835	839	843	rBV	881009	721849	10.08%	1.513%
7	7.428	905	908	912	rBV	598136	487908	6.81%	1.023%
8	8.134	1026	1028	1029	rBV	164984	123613	1.73%	0.259%
9	8.157	1029	1032	1034	rVV	711509	657727	9.18%	1.379%
10	8.210	1038	1041	1044	rVB3	73294	78104	1.09%	0.164%
11	8.445	1077	1081	1085	rBV5	78952	88535	1.24%	0.186%
12	8.663	1114	1118	1120	rBV	114065	109987	1.54%	0.231%
13	8.745	1129	1132	1136	rBV	228477	198223	2.77%	0.415%
14	8.981	1167	1172	1174	rBV2	129888	161143	2.25%	0.338%
15	9.104	1190	1193	1198	rVB4	56621	97304	1.36%	0.204%
16	9.233	1211	1215	1219	rBV	1107589	1001647	13.98%	2.100%
17	9.310	1225	1228	1231	rBV	284838	230139	3.21%	0.482%
18	9.386	1238	1241	1243	rVB	80971	74643	1.04%	0.156%
19	9.504	1256	1261	1264	rVB3	74989	110922	1.55%	0.233%
20	9.569	1270	1272	1274	rBV3	88951	78346	1.09%	0.164%
21	9.598	1274	1277	1279	rVB2	76710	75955	1.06%	0.159%
22	9.628	1279	1282	1285	rBV3	168695	213729	2.98%	0.448%
23	9.692	1290	1293	1298	rVB3	119952	113697	1.59%	0.238%
24	9.775	1304	1307	1311	rBV	123885	127381	1.78%	0.267%
25	9.845	1311	1319	1323	rVV	285474	308647	4.31%	0.647%
26	9.916	1328	1331	1334	rVB	932419	734245	10.25%	1.539%
27	9.957	1334	1338	1341	rBV	2608115	2018165	28.18%	4.230%
28	10.116	1360	1365	1370	rVB6	146323	215622	3.01%	0.452%
29	10.163	1370	1373	1377	rBV4	99359	117932	1.65%	0.247%
30	10.233	1382	1385	1388	rBV3	101110	124304	1.74%	0.261%
31	10.345	1401	1404	1407	rVB	319928	247181	3.45%	0.518%
32	10.463	1421	1424	1431	rVB	159873	177863	2.48%	0.373%
33	10.563	1437	1441	1447	rVB	105099	179464	2.51%	0.376%
34	10.710	1463	1466	1469	rBV	669522	589727	8.23%	1.236%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

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-BF120619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.816	1482	1484	1493	rVB	300230	405163	5.66%	0.849%
36	10.922	1499	1502	1506	rVB	1211604	1030318	14.38%	2.160%
37	11.016	1514	1518	1520	rBV2	83930	102790	1.44%	0.215%
38	11.269	1557	1561	1563	rBV	274840	235443	3.29%	0.494%
39	11.304	1563	1567	1572	rVB2	167748	228492	3.19%	0.479%
40	11.410	1581	1585	1587	rBV	895862	745513	10.41%	1.563%
41	11.433	1587	1589	1593	rVV	911505	722518	10.09%	1.514%
42	11.486	1595	1598	1600	rVB	241452	188139	2.63%	0.394%
43	11.698	1631	1634	1636	rBV2	234148	205965	2.88%	0.432%
44	11.739	1640	1641	1647	rVB2	86760	85591	1.19%	0.179%
45	11.798	1647	1651	1654	rBV	2799670	2198218	30.69%	4.608%
46	11.916	1667	1671	1672	rBV	186609	204270	2.85%	0.428%
47	11.933	1672	1674	1680	rVB2	434858	523226	7.30%	1.097%
48	12.027	1686	1690	1692	rBV2	303556	324409	4.53%	0.680%
49	12.045	1692	1693	1699	rVB	151980	122860	1.72%	0.258%
50	12.104	1699	1703	1708	rBV	190555	208880	2.92%	0.438%
51	12.210	1718	1721	1723	rBV2	115863	108418	1.51%	0.227%
52	12.392	1749	1752	1754	rBV	83415	75459	1.05%	0.158%
53	12.463	1761	1764	1765	rBV	159279	141066	1.97%	0.296%
54	12.492	1765	1769	1771	rVV	5730533	5996565	83.72%	12.569%
55	12.516	1771	1773	1778	rVV	7556363	7162794	100.00%	15.014%
56	12.557	1778	1780	1783	rVB3	129539	136720	1.91%	0.287%
57	12.592	1783	1786	1789	rBV	949435	756746	10.56%	1.586%
58	12.633	1789	1793	1798	rBV	1368542	1712781	23.91%	3.590%
59	12.721	1805	1808	1812	rVB3	217330	204970	2.86%	0.430%
60	12.833	1824	1827	1828	rBV	177352	192317	2.68%	0.403%
61	12.863	1828	1832	1838	rVB	1274149	1308454	18.27%	2.743%
62	12.916	1838	1841	1845	rVB2	79321	98987	1.38%	0.207%
63	12.998	1845	1855	1858	rBV	1121034	1064715	14.86%	2.232%
64	13.080	1865	1869	1872	rBV2	113787	179190	2.50%	0.376%
65	13.157	1879	1882	1884	rBV2	198078	201569	2.81%	0.423%
66	13.186	1885	1887	1891	rVV	257928	263299	3.68%	0.552%
67	13.257	1891	1899	1902	rVV3	200473	430823	6.01%	0.903%
68	13.292	1902	1905	1908	rVV2	163353	182184	2.54%	0.382%
69	13.321	1908	1910	1913	rVB	165398	131760	1.84%	0.276%
70	13.386	1918	1921	1924	rBV	132692	95786	1.34%	0.201%
71	13.416	1924	1926	1929	rBV	145263	131241	1.83%	0.275%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

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-BF120619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.698	1972	1974	1978	rVB	70506	81582	1.14%	0.171%
73	13.810	1991	1993	1996	rBV	91800	75494	1.05%	0.158%
74	13.863	2000	2002	2005	rBV2	85076	103150	1.44%	0.216%
75	13.892	2005	2007	2014	rVB2	151093	209705	2.93%	0.440%
76	13.992	2022	2024	2028	rVB3	87538	78602	1.10%	0.165%
77	14.063	2031	2036	2038	rVV2	971254	1375922	19.21%	2.884%
78	14.086	2038	2040	2046	rVB	599874	568259	7.93%	1.191%
79	14.216	2059	2062	2067	rBV5	122106	149129	2.08%	0.313%
80	14.451	2100	2102	2104	rVB	158812	111594	1.56%	0.234%
81	14.574	2121	2123	2125	rBV2	112480	95475	1.33%	0.200%
82	14.833	2165	2167	2171	rVB2	169468	174173	2.43%	0.365%
83	14.957	2185	2188	2195	rVB	196867	272996	3.81%	0.572%
84	15.121	2211	2216	2219	rBV	458355	756513	10.56%	1.586%
85	15.180	2223	2226	2231	rVB2	267415	295061	4.12%	0.618%
86	15.427	2265	2268	2273	rVB	288335	369270	5.16%	0.774%
87	15.492	2275	2279	2285	rVV	441818	565543	7.90%	1.185%
88	15.562	2286	2291	2303	rVB3	636660	1213209	16.94%	2.543%
89	16.021	2365	2369	2373	rVB	191656	250143	3.49%	0.524%
90	16.539	2454	2457	2462	rVB	141202	208137	2.91%	0.436%

Sum of corrected areas: 47707926

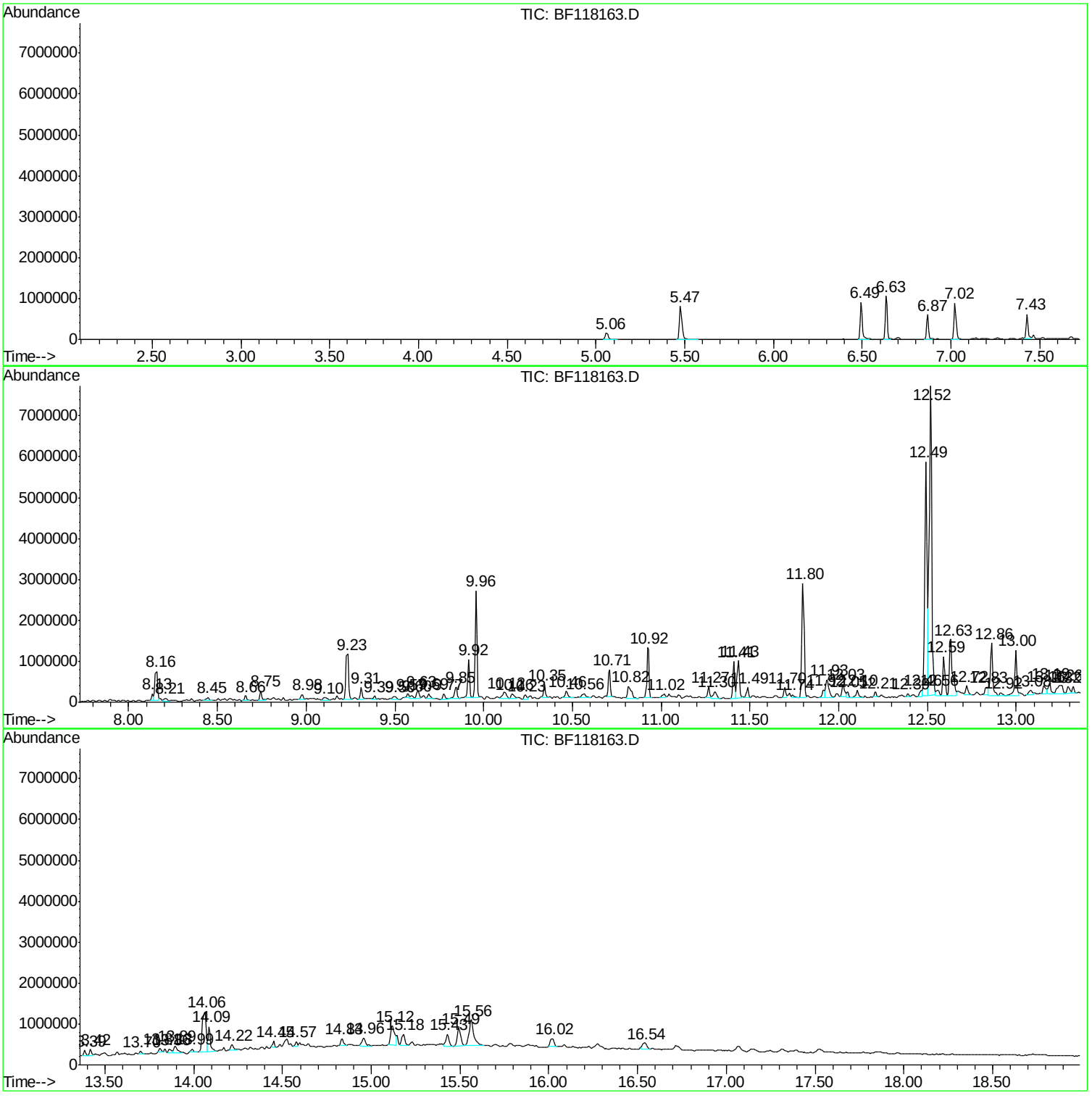
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.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\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

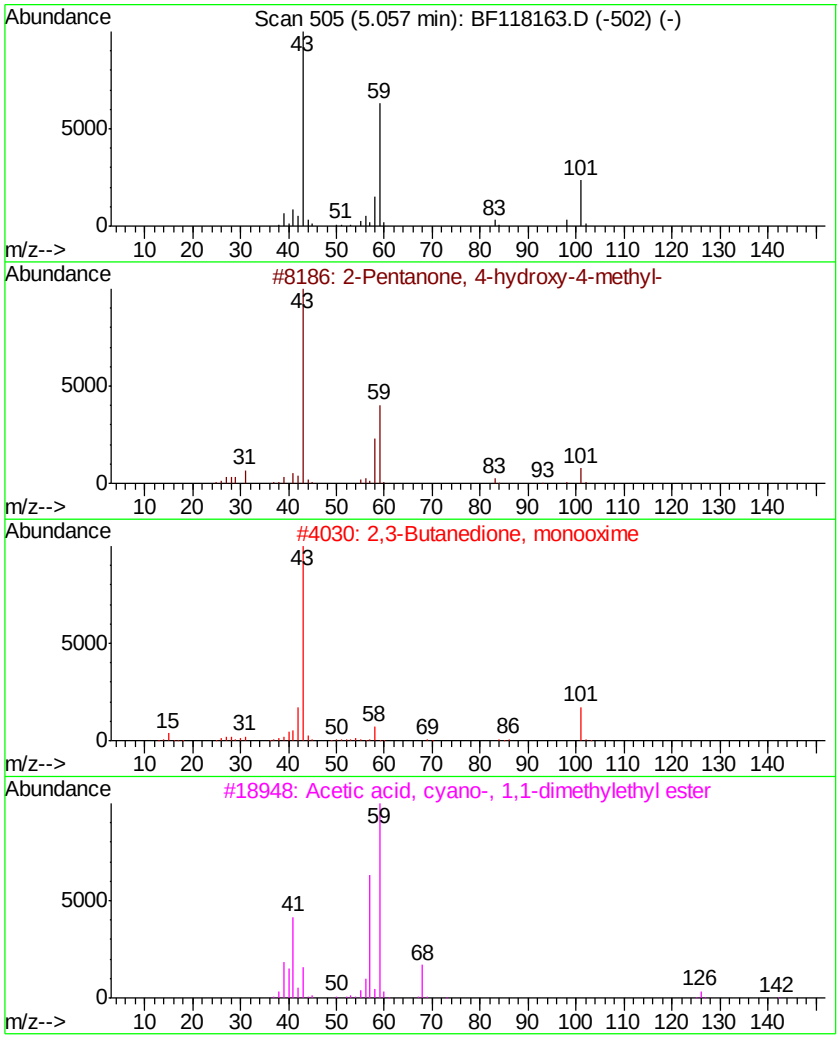
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

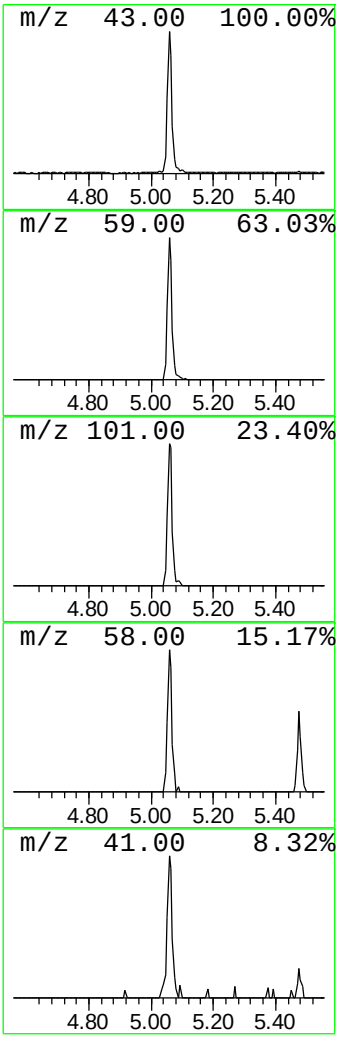
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	6.29 ng	158888	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	17
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

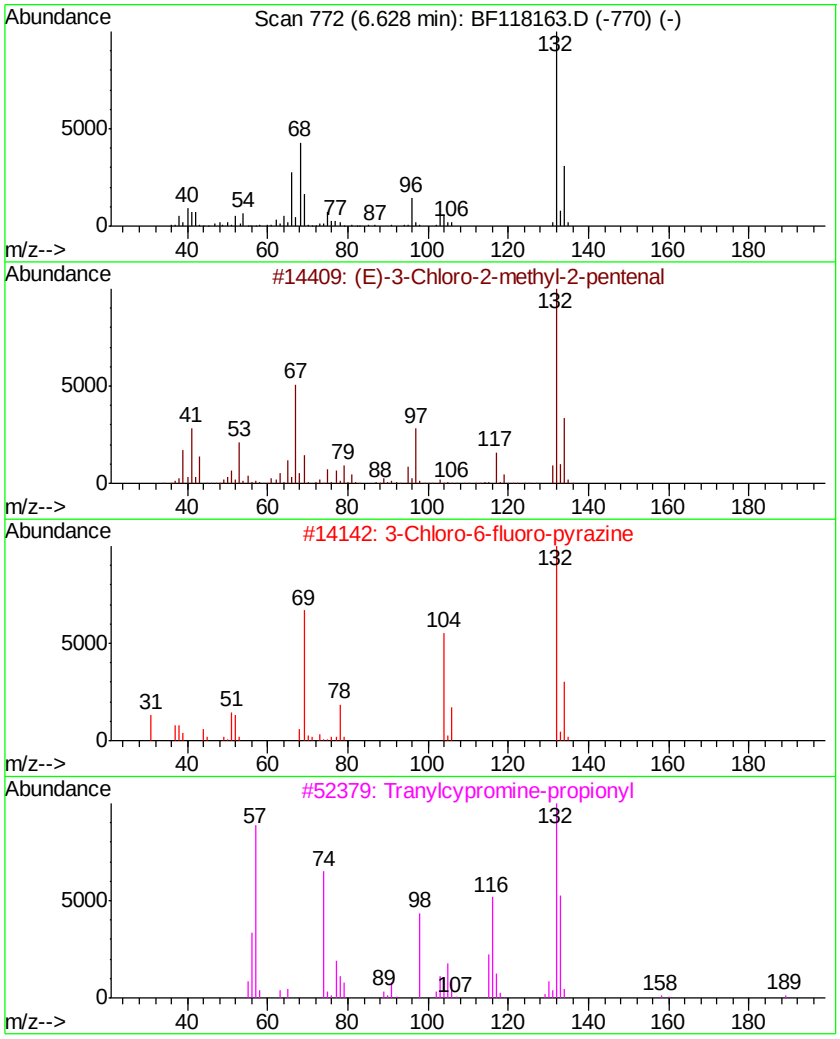
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

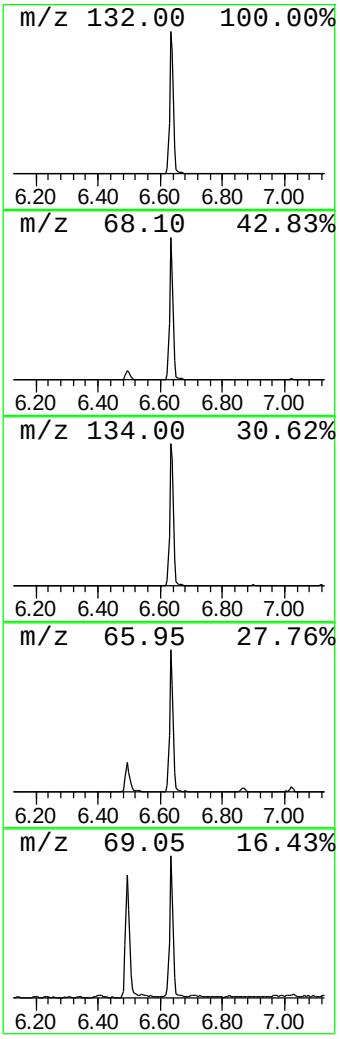
****

Peak Number 2 unknown6.63 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	35.59 ng	898868	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
5	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

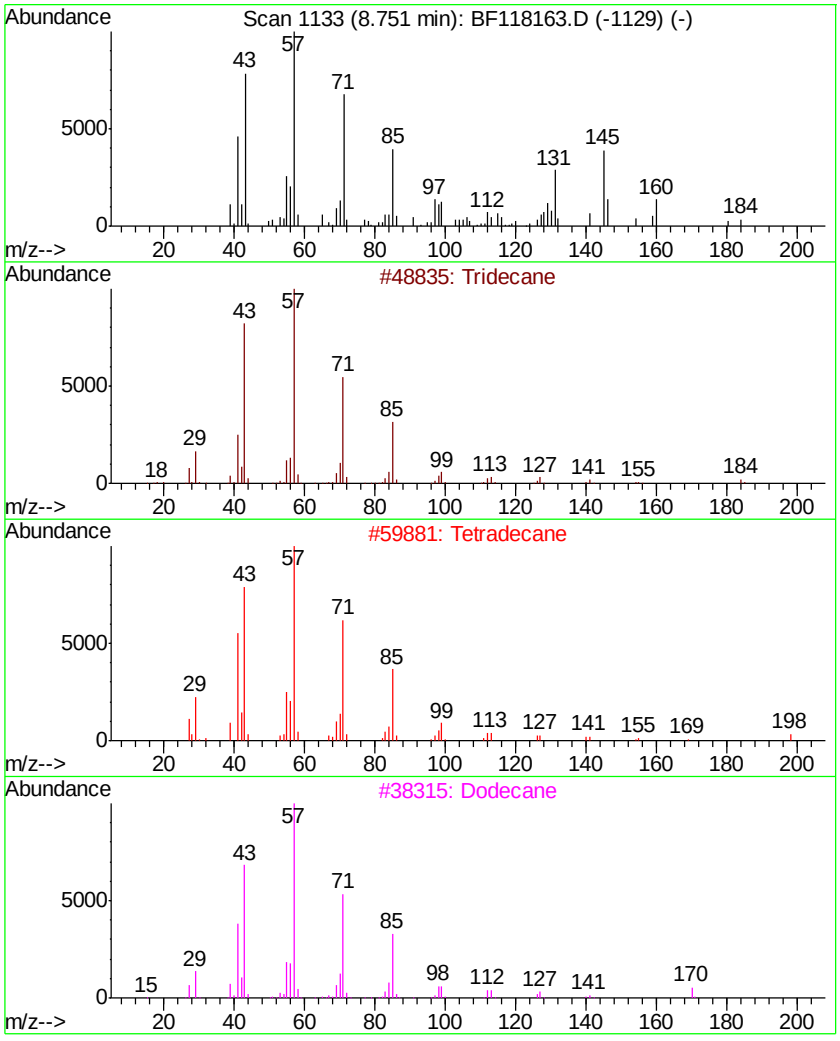
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

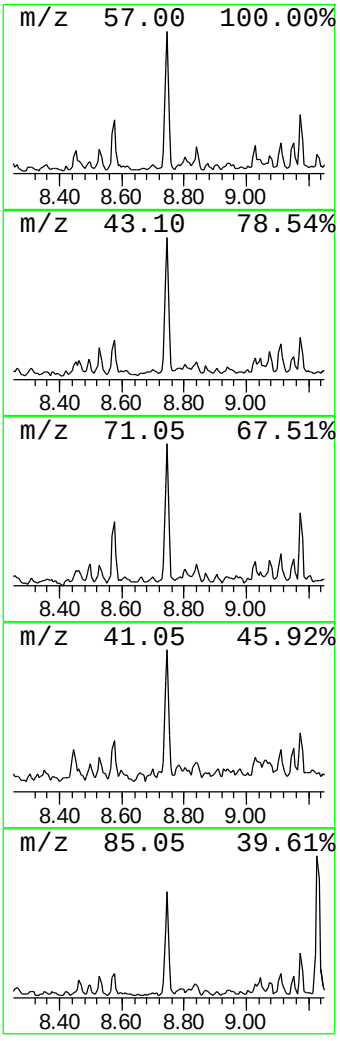
****

Peak Number 4 Tridecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	6.03 ng	198223	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	96
2	Tetradecane	198	C14H30	000629-59-4	62
3	Dodecane	170	C12H26	000112-40-3	58
4	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	58
5	Tridecane, 7-propyl-	226	C16H34	055045-09-5	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

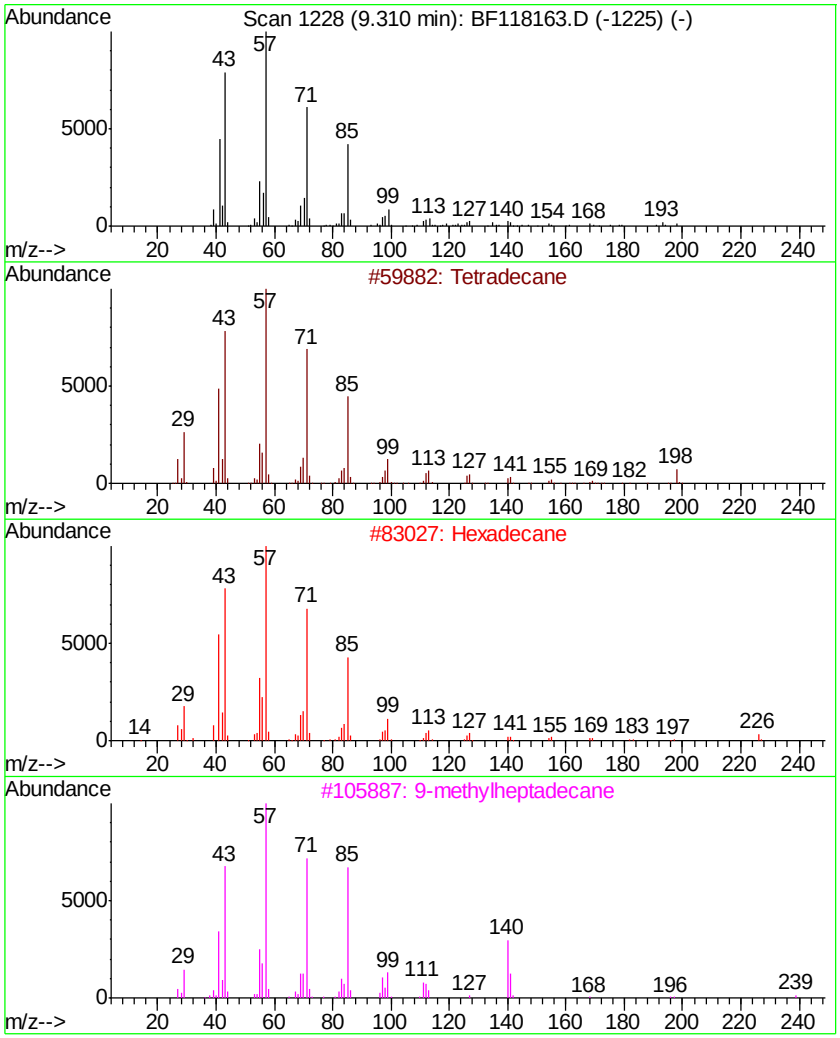
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

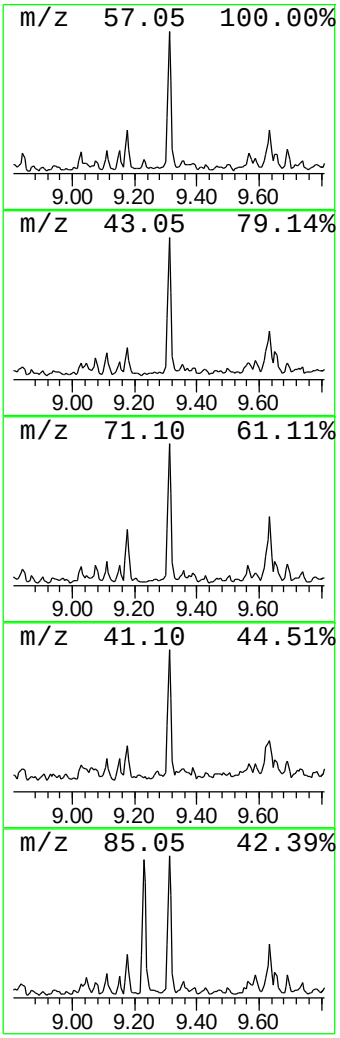
****

Peak Number 5 Tetradecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.31	6.27 ng	230139	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	97
2	Hexadecane	226	C16H34	000544-76-3	91
3	9-methylheptadecane	254	C18H38	026741-18-4	90
4	Nonadecane	268	C19H40	000629-92-5	87
5	Tridecane, 7-propyl-	226	C16H34	055045-09-5	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

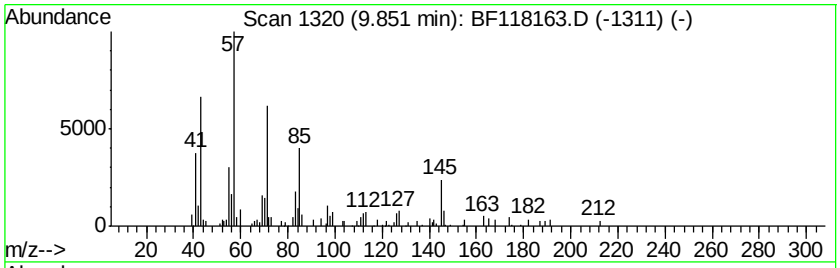
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

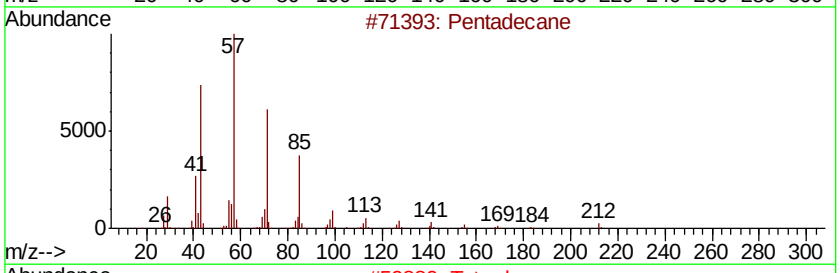
****

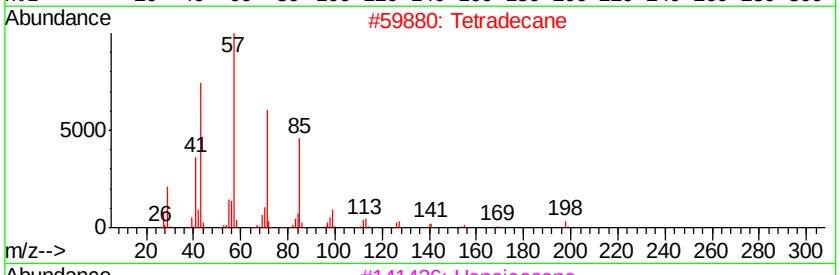
Peak Number 6 Pentadecane Concentration Rank 10

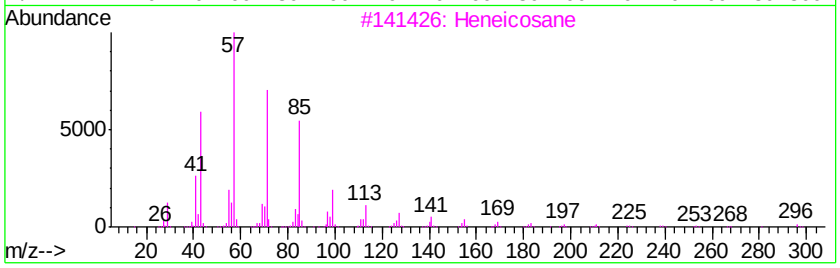
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	8.41 ng	308647	Acenaphthene-d10	9.92

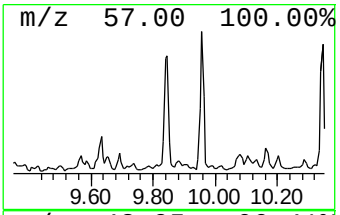
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	96
2	Tetradecane	198	C14H30	000629-59-4	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Heptadecane	240	C17H36	000629-78-7	91
5	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	90

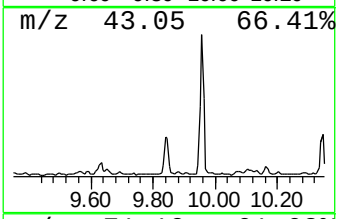


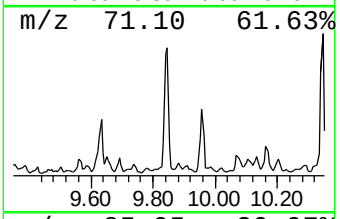


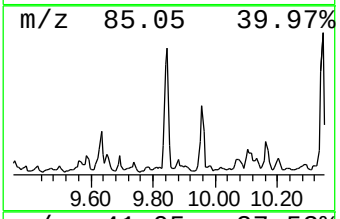


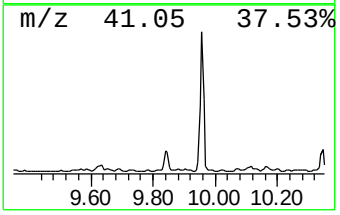












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

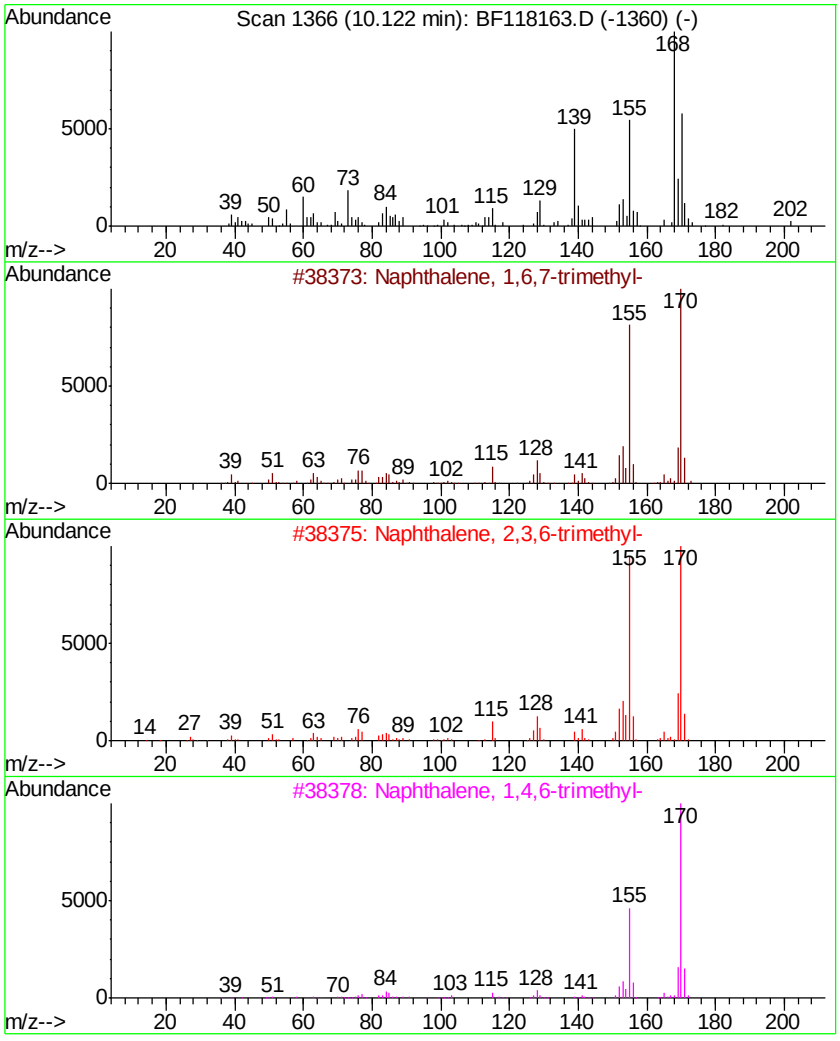
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

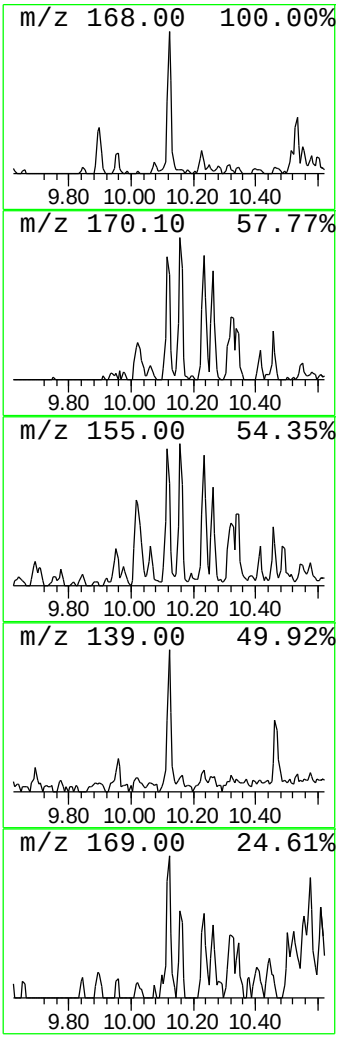
****

Peak Number 7 Naphthalene, 1,6,7-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.12	5.87 ng	215622	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	87
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	78
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	55
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	49
5	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

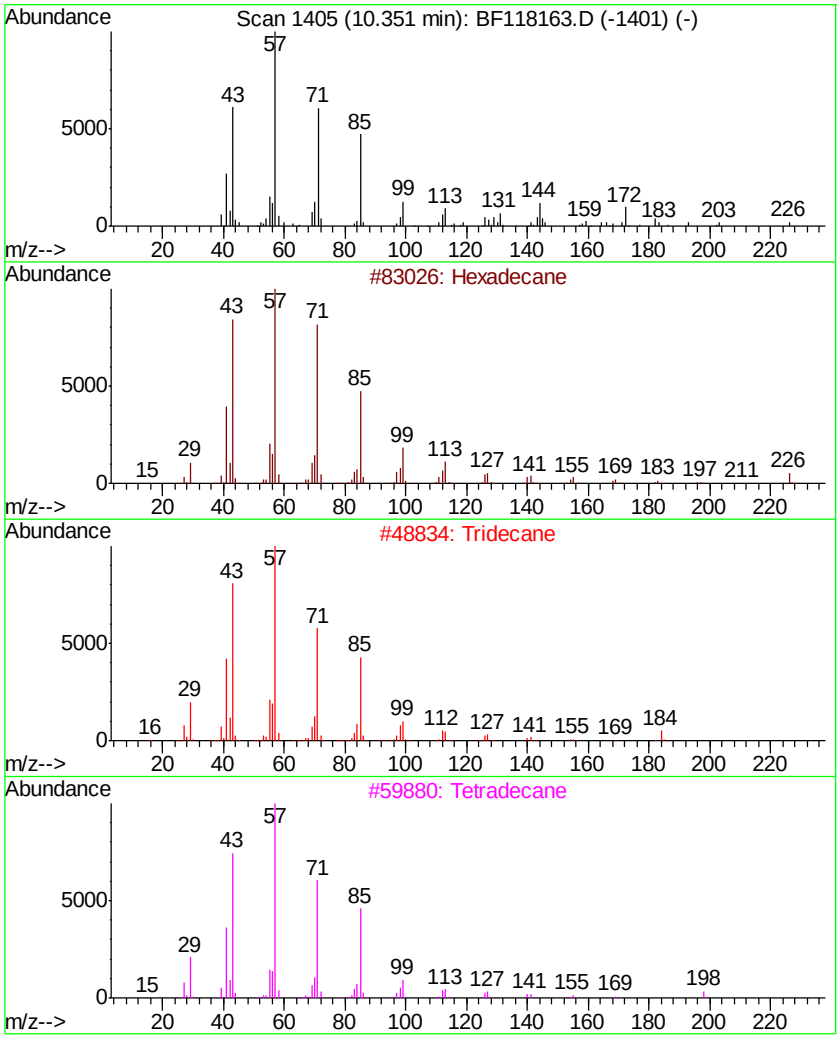
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

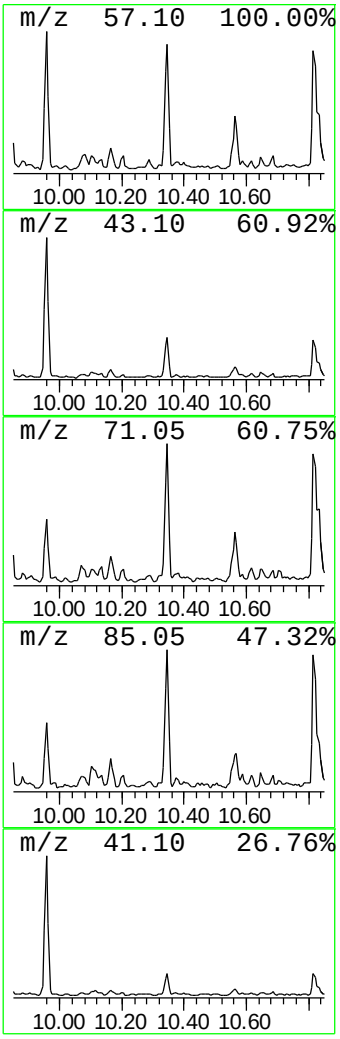
****

Peak Number 8 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	6.73 ng	247181	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	96
2	Tridecane	184	C13H28	000629-50-5	91
3	Tetradecane	198	C14H30	000629-59-4	91
4	Pentadecane	212	C15H32	000629-62-9	90
5	Heptadecane	240	C17H36	000629-78-7	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

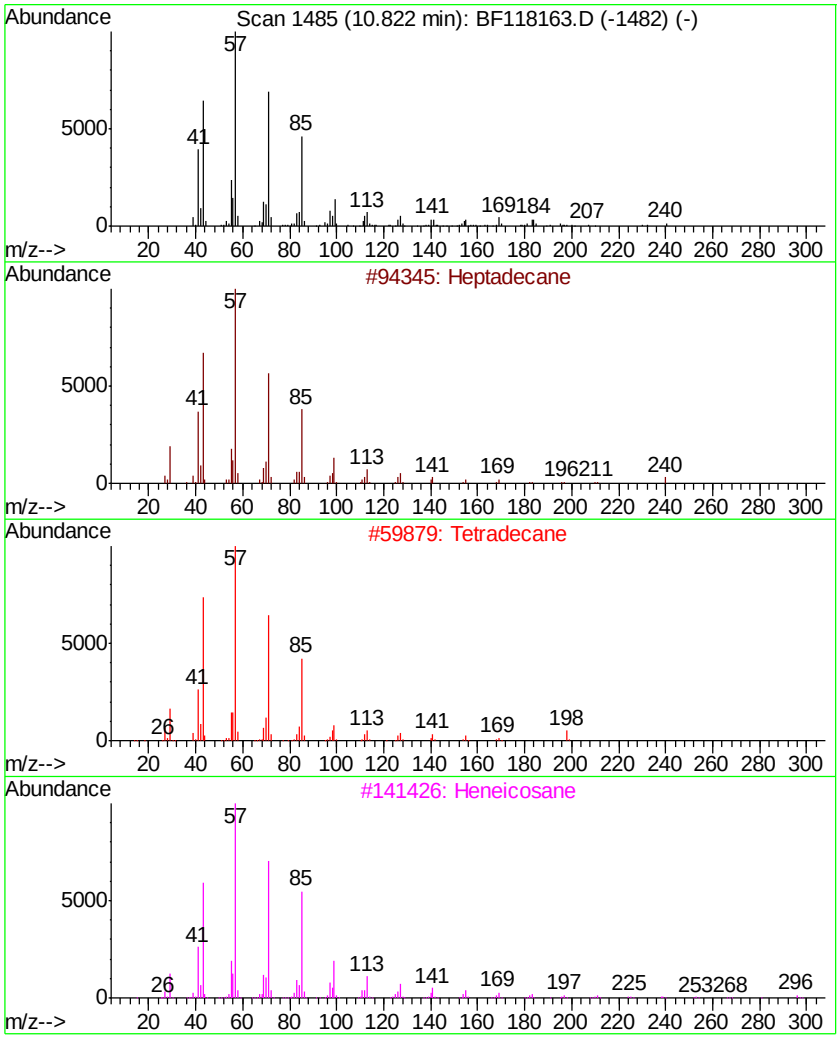
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

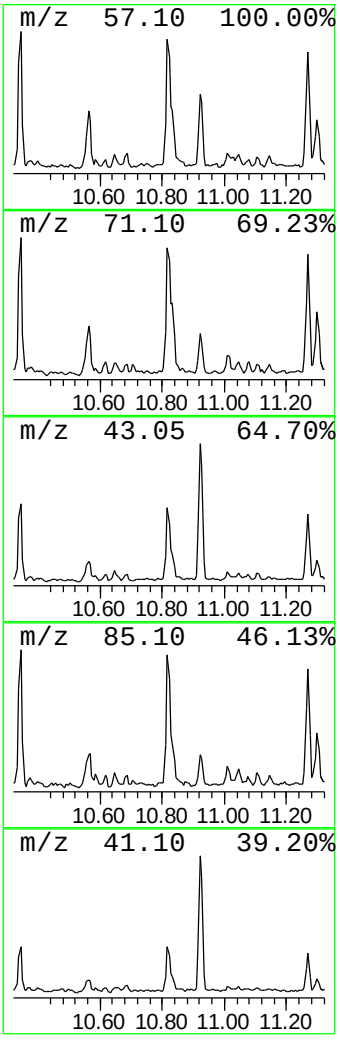
****

Peak Number 9 Heptadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	10.87 ng	405163	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Tetradecane	198	C14H30	000629-59-4	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Hexadecane	226	C16H34	000544-76-3	91
5	Nonadecane	268	C19H40	000629-92-5	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

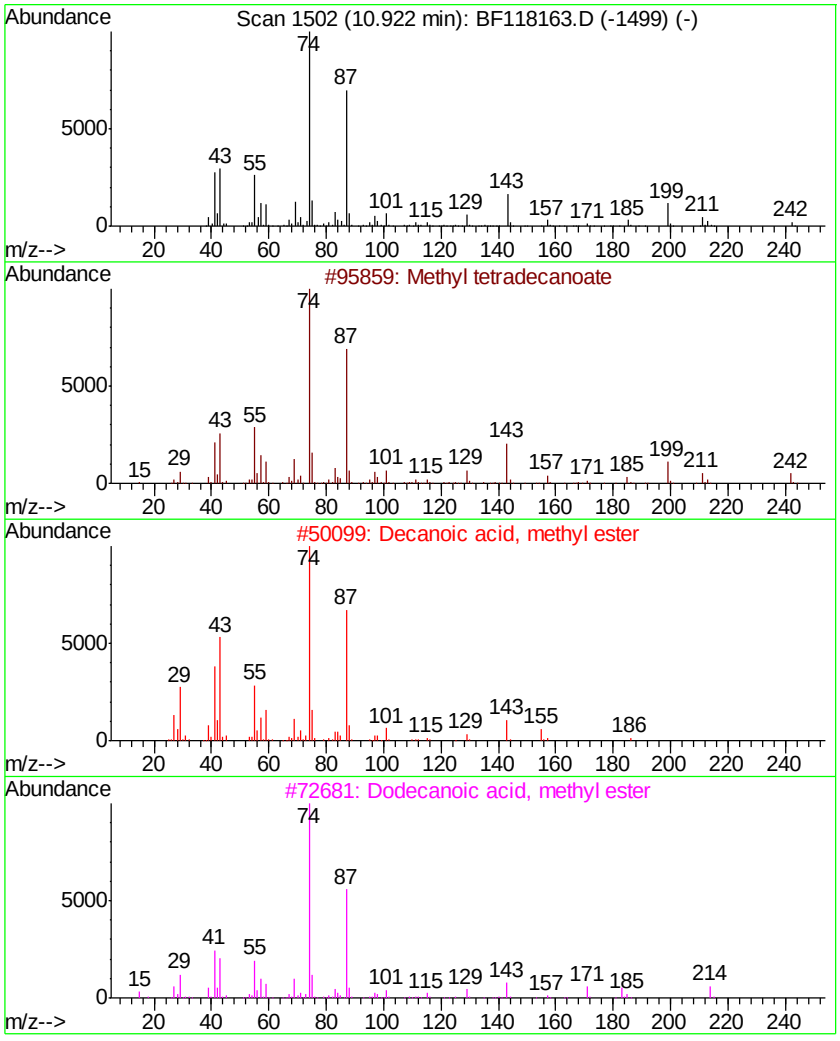
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

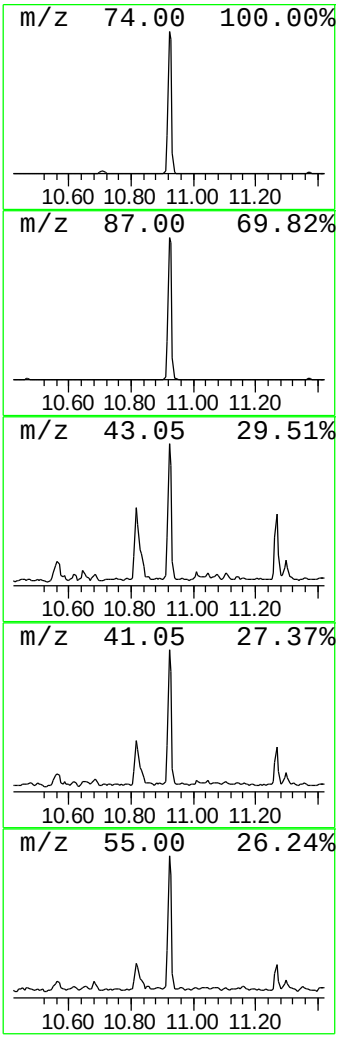
****

Peak Number 10 Methyl tetradecanoate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	27.64 ng	1030320	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl tetradecanoate	242	C15H30O2	000124-10-7	91
2	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	87
3	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	86
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	86
5	Undecanoic acid, 10-methyl-, met...	214	C13H26O2	005129-56-6	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

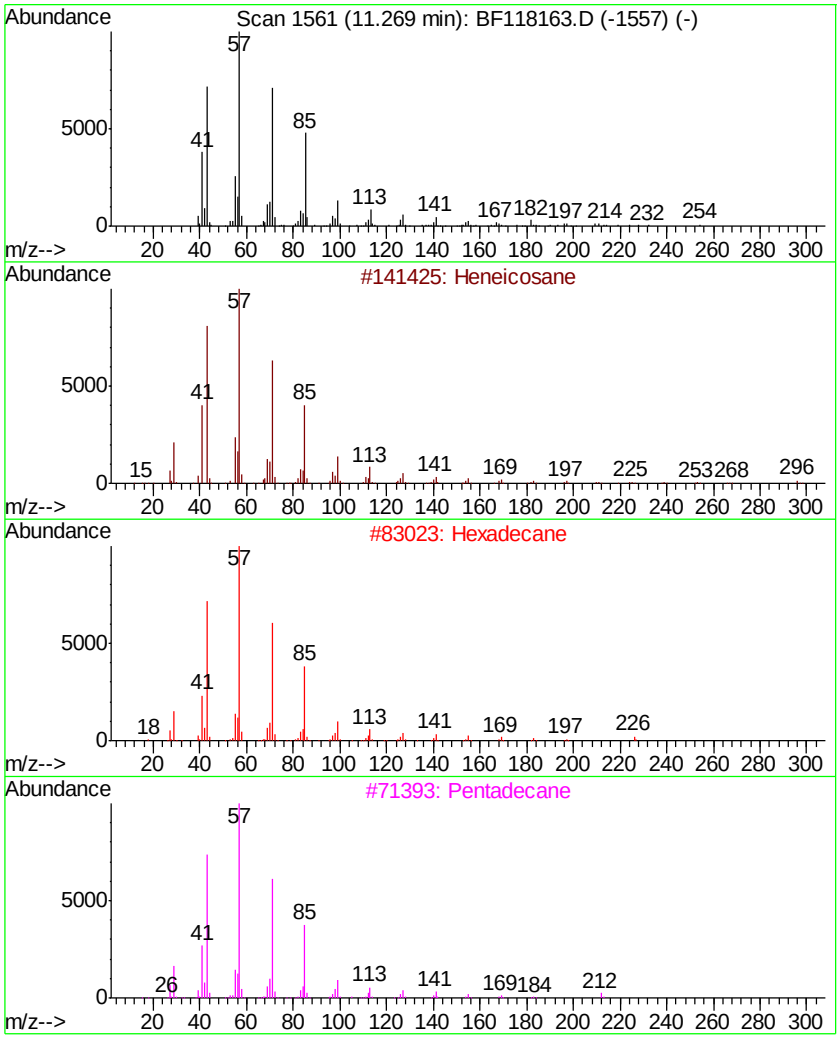
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

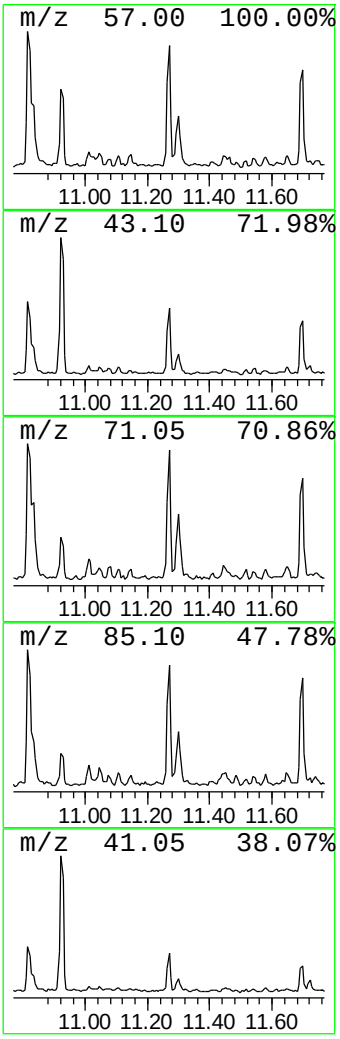
****

Peak Number 11 Heneicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	6.32 ng	235443	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Hexadecane	226	C16H34	000544-76-3	91
3	Pentadecane	212	C15H32	000629-62-9	91
4	Tetracosane	338	C24H50	000646-31-1	91
5	Octadecane	254	C18H38	000593-45-3	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

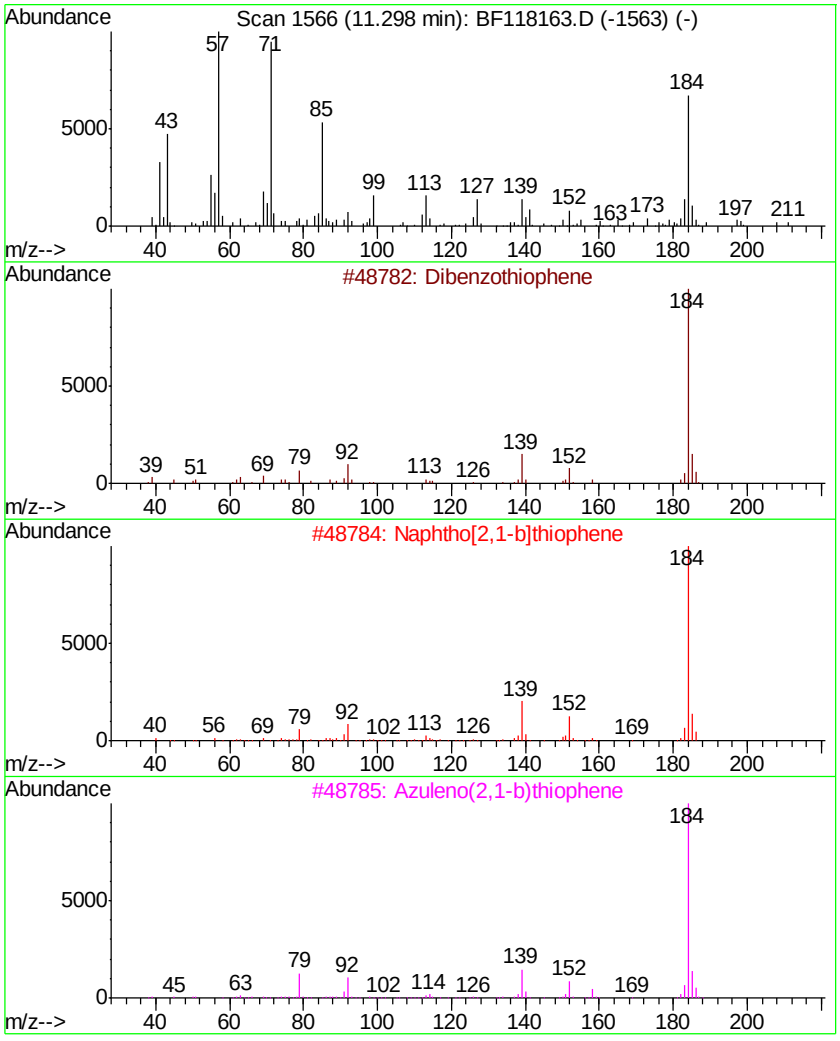
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

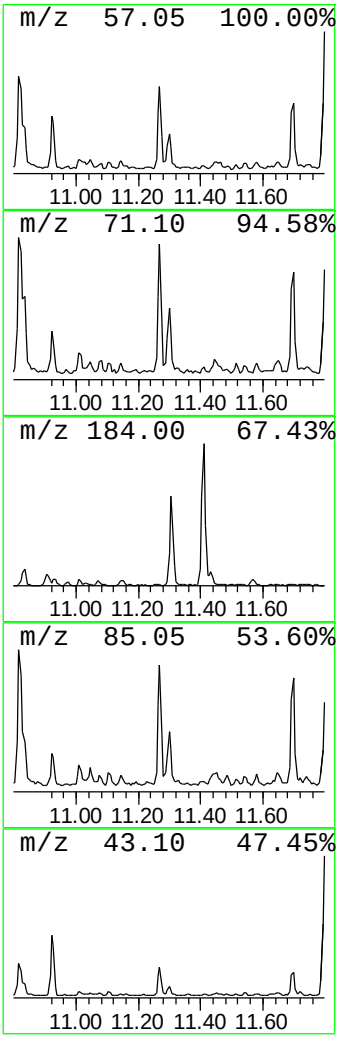
****

Peak Number 12 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	6.13 ng	228492	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	76
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	68
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	64
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	58
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

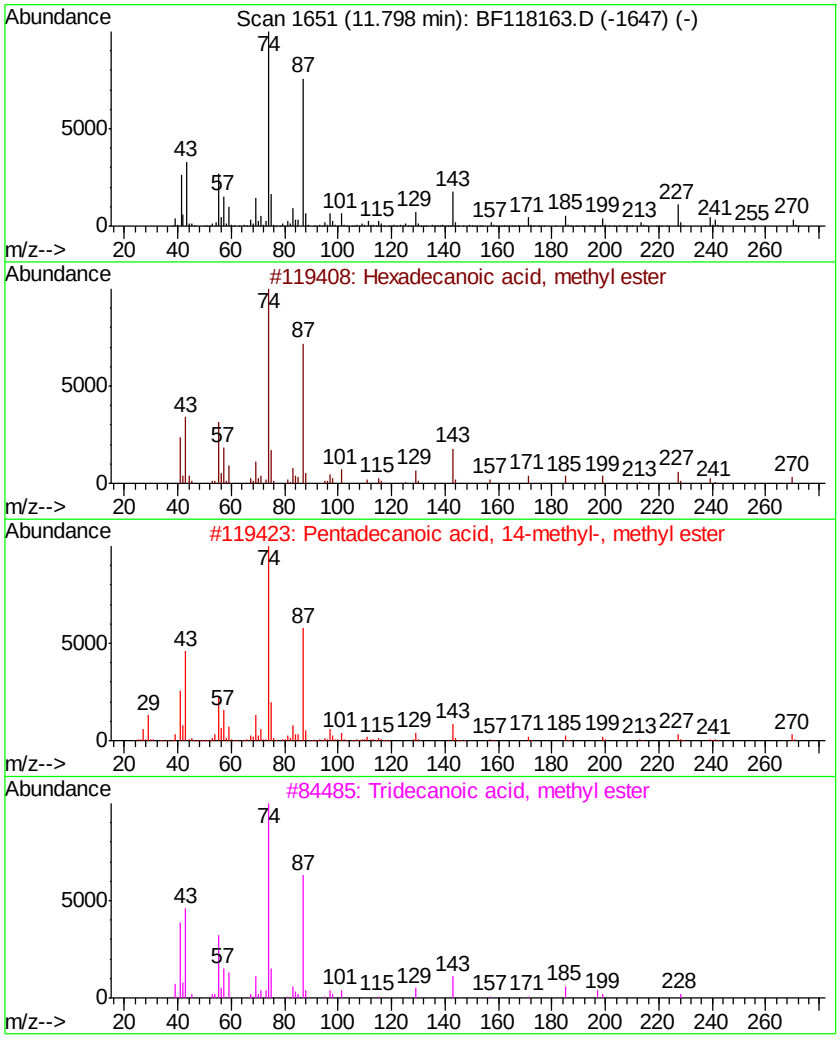
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

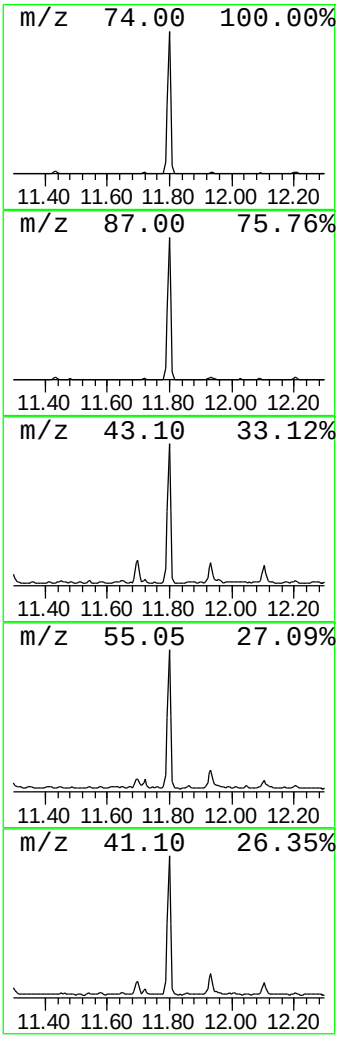
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	58.97 ng	2198220	Phenanthrene-d10	11.41

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	92
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	91
4	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	87
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

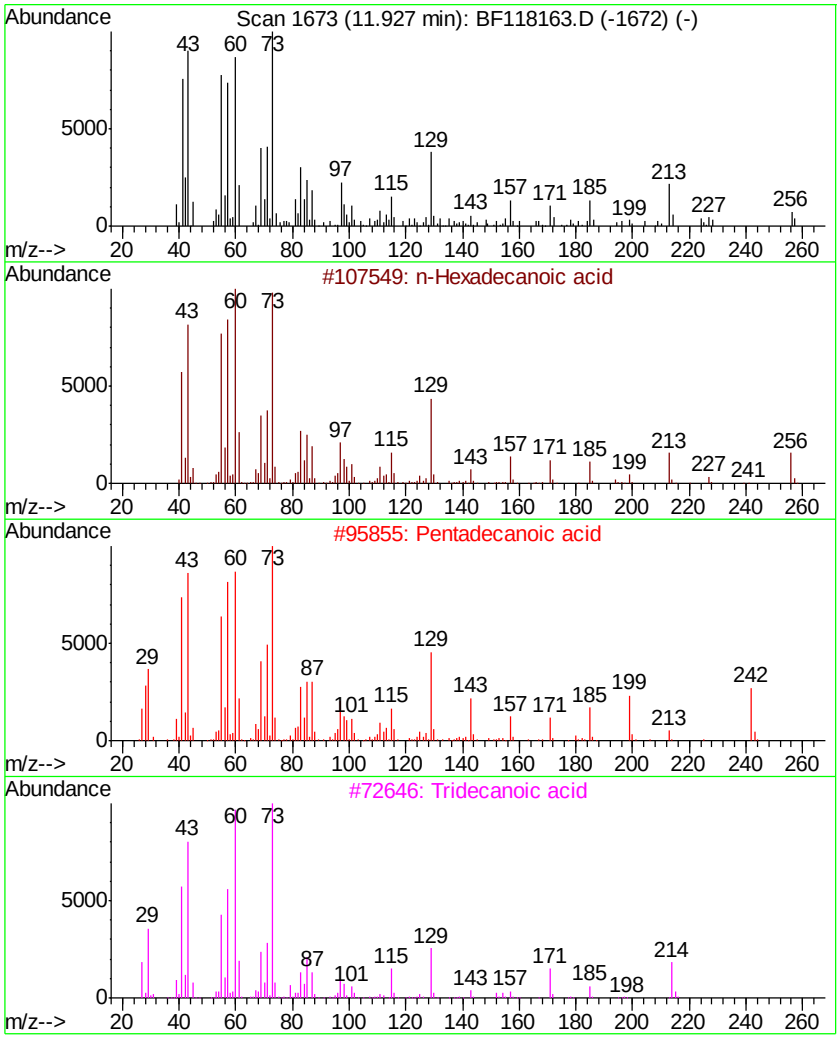
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

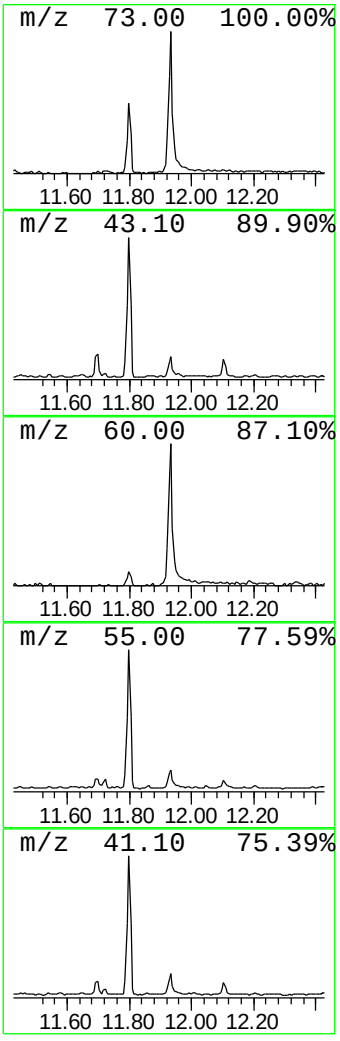
****

Peak Number 14 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	14.04 ng	523226	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	76
3	Tridecanoic acid	214	C13H26O2	000638-53-9	70
4	n-Decanoic acid	172	C10H20O2	000334-48-5	70
5	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

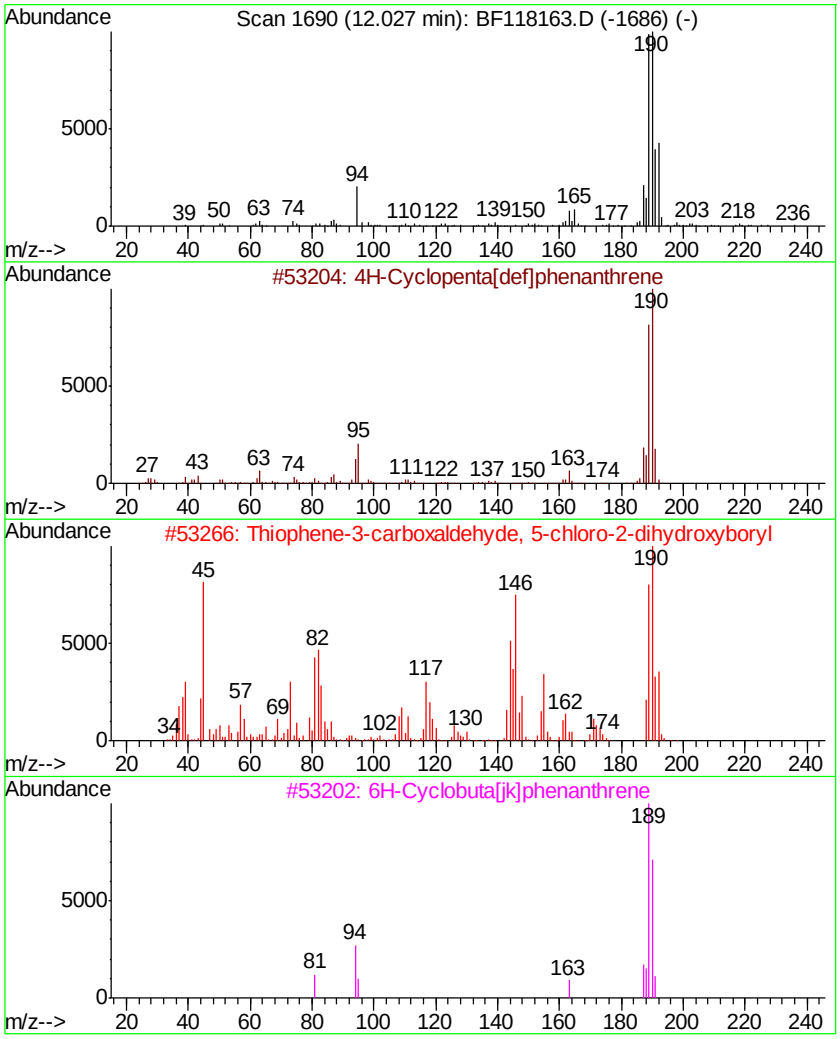
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

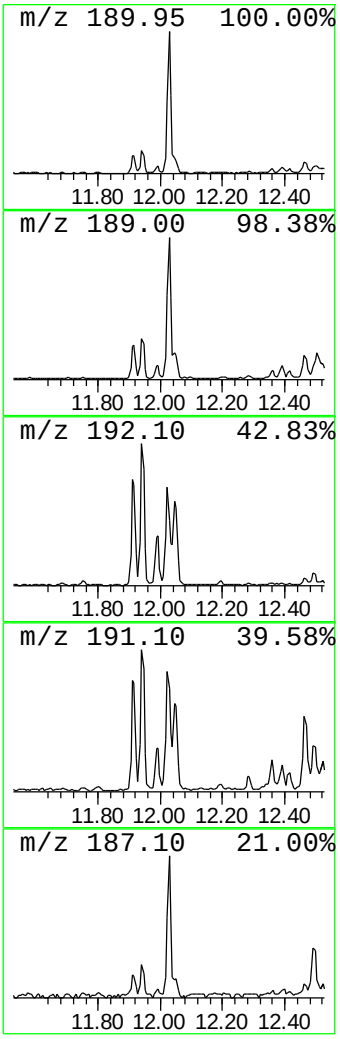
****

Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	8.70 ng	324409	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

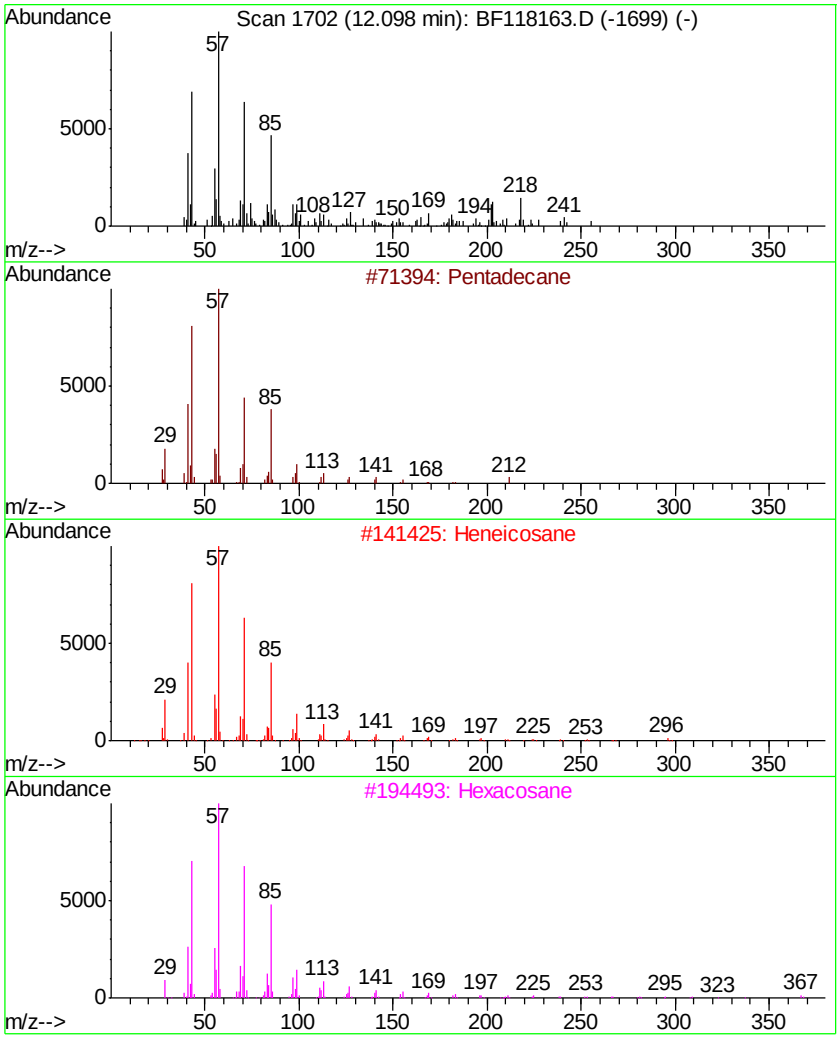
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

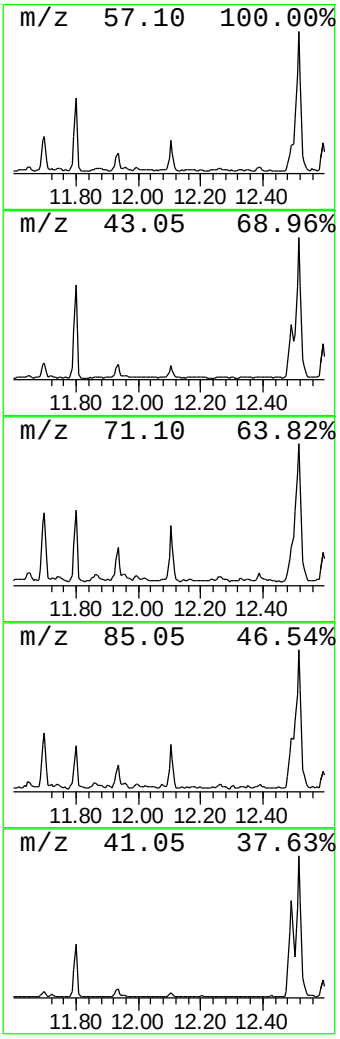
****

Peak Number 16 Tetracosane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	5.60 ng	208880	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	90
2	Heneicosane	296	C21H44	000629-94-7	87
3	Hexacosane	366	C26H54	000630-01-3	87
4	Tetracosane	338	C24H50	000646-31-1	87
5	Octadecane	254	C18H38	000593-45-3	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

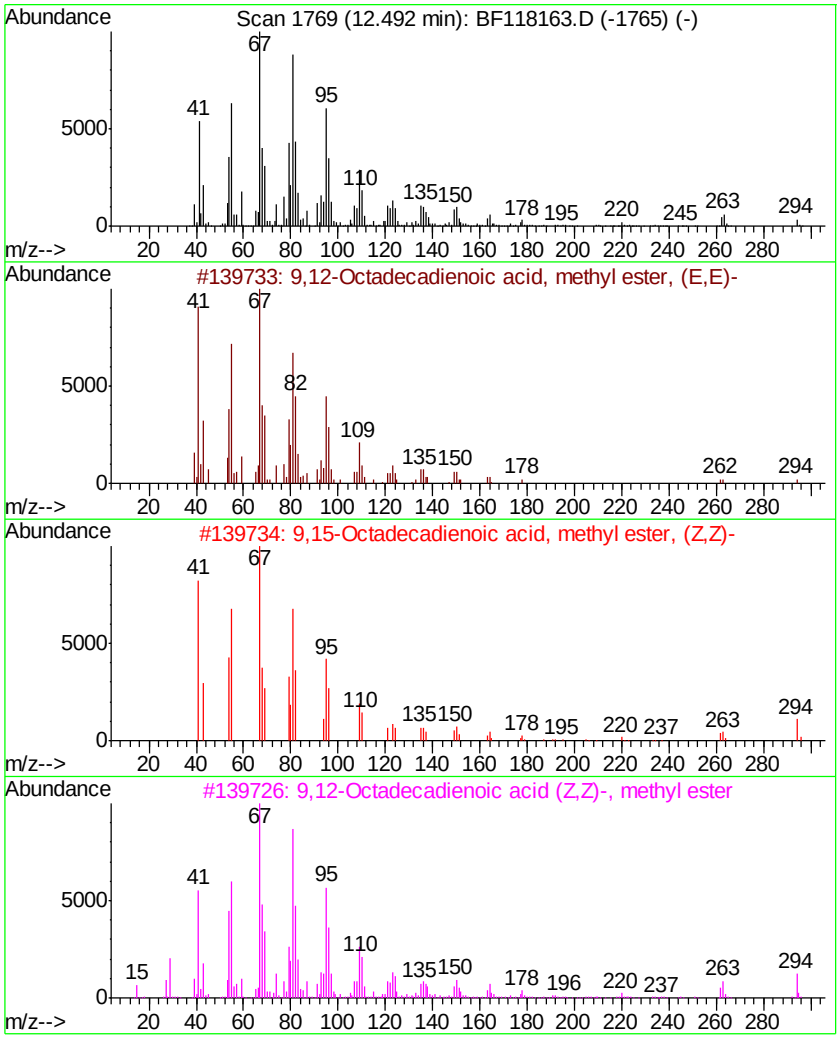
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

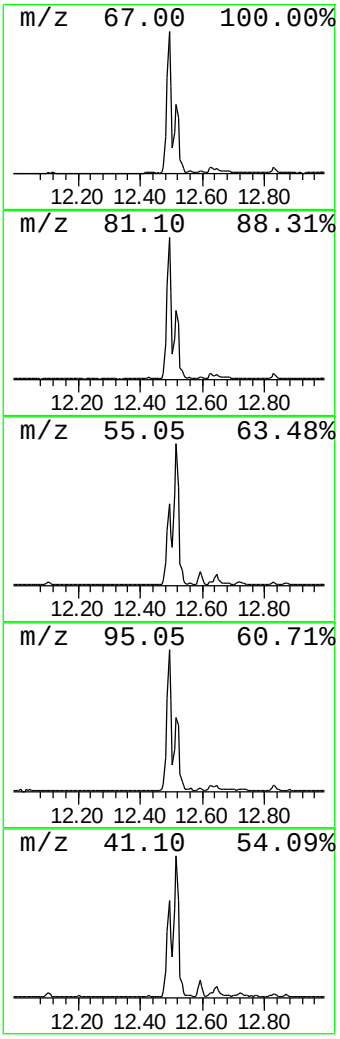
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	160.87 ng	5996570	Phenanthrene-d10	11.41

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





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

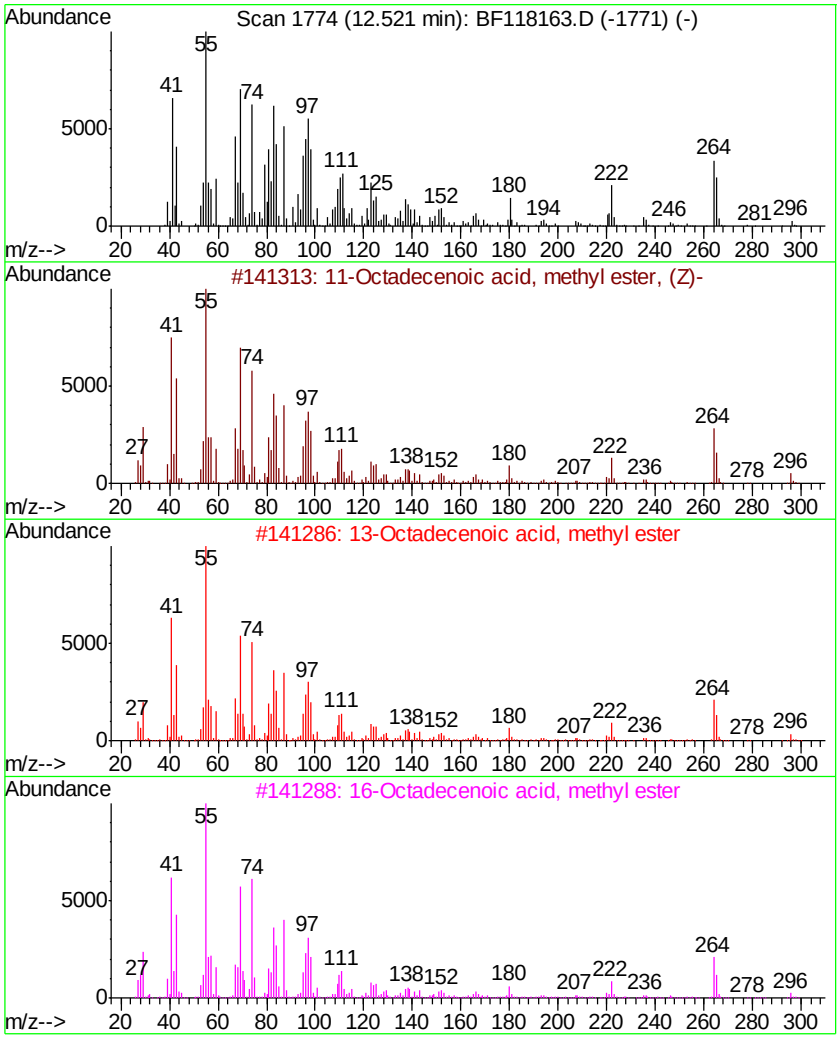
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

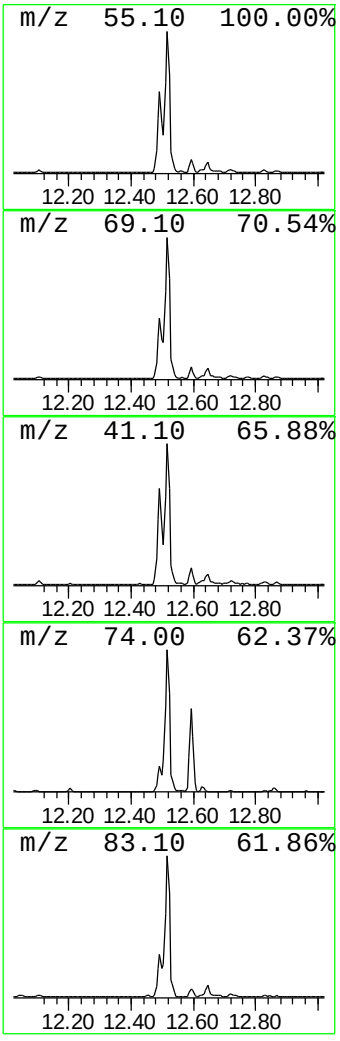
****

Peak Number 18 11-Octadecenoic acid, methy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	192.16 ng	7162790	Phenanthrene-d10	11.41

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

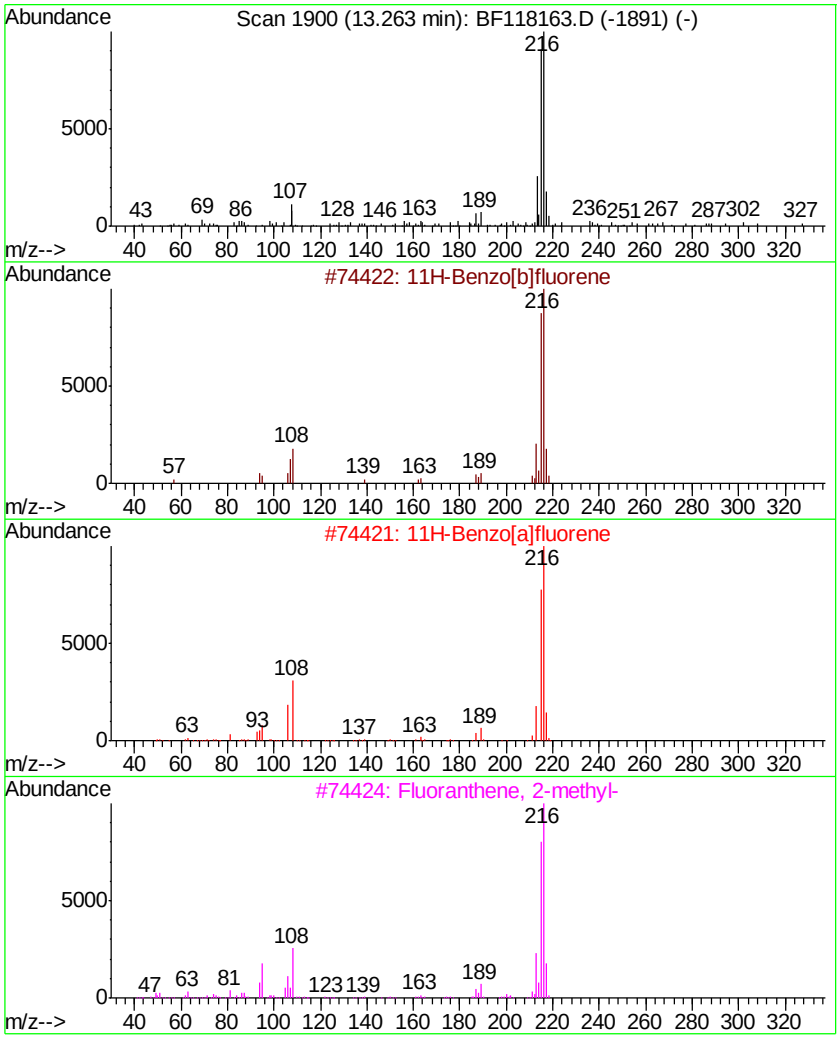
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

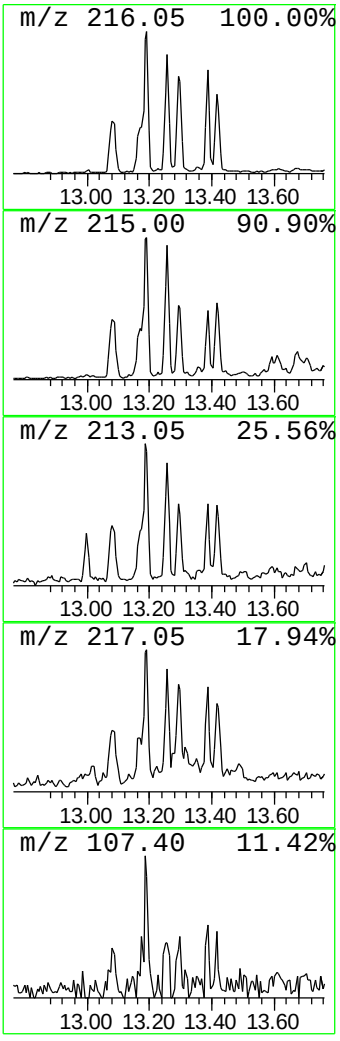
****

Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	6.26 ng	430823	Chrysene-d12	14.06

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	78
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
4	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

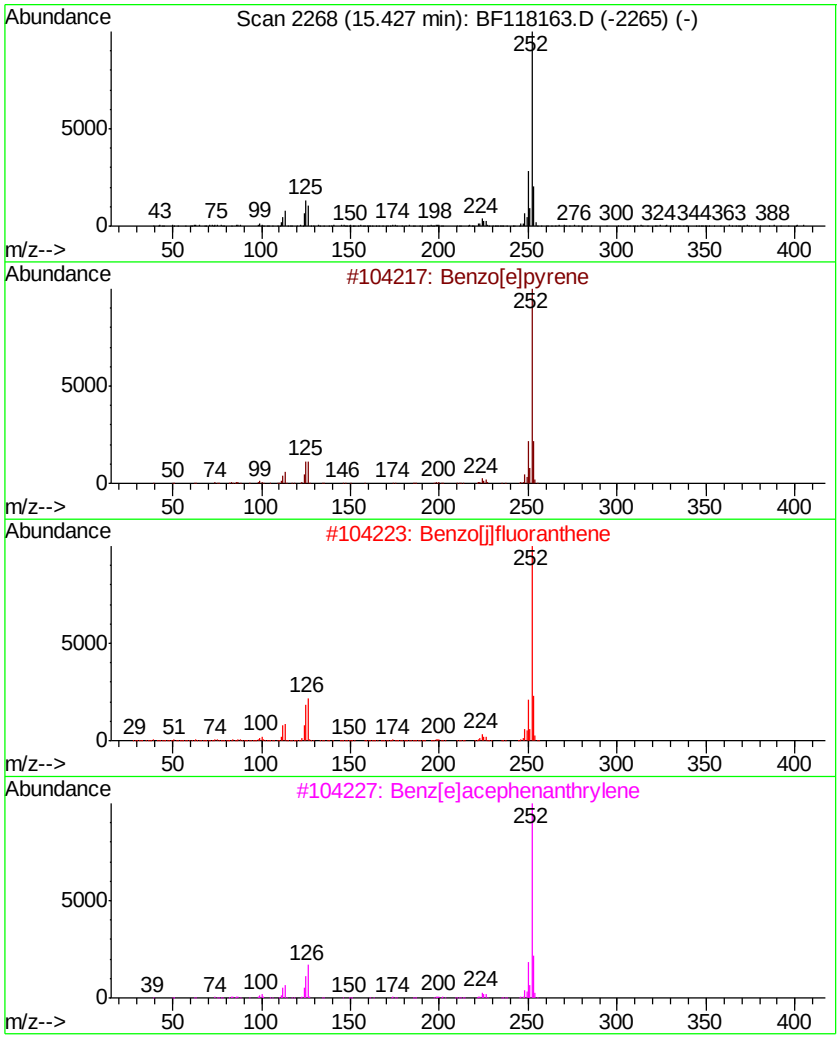
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

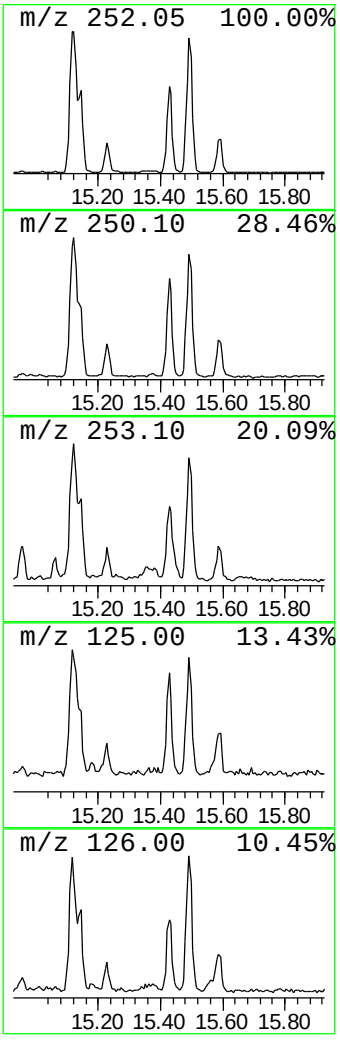
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	6.09 ng	369270	Perylene-d12	15.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121019\
Data File : BF118163.D
Acq On : 10 Dec 2019 13:18
Operator : JU
Sample : K6118-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-120619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.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
2-Pentanone, 4-hy...	5.06	6.3	ng	158888	1	6.87	505174	20.0
unknown6.63	6.63	35.6	ng	898868	1	6.87	505174	20.0
Tridecane	8.75	6.0	ng	198223	2	8.16	657727	20.0
Tetradecane	9.31	6.3	ng	230139	3	9.92	734245	20.0
Pentadecane	9.85	8.4	ng	308647	3	9.92	734245	20.0
Naphthalene, 1,6,...	10.12	5.9	ng	215622	3	9.92	734245	20.0
Hexadecane	10.35	6.7	ng	247181	3	9.92	734245	20.0
Heptadecane	10.82	10.9	ng	405163	4	11.41	745513	20.0
Methyl tetradecan...	10.92	27.6	ng	1030320	4	11.41	745513	20.0
Heneicosane	11.27	6.3	ng	235443	4	11.41	745513	20.0
Dibenzothiophene	11.30	6.1	ng	228492	4	11.41	745513	20.0
Hexadecanoic acid...	11.80	59.0	ng	2198220	4	11.41	745513	20.0
n-Hexadecanoic acid	11.93	14.0	ng	523226	4	11.41	745513	20.0
4H-Cyclopenta[def...	12.03	8.7	ng	324409	4	11.41	745513	20.0
Tetracosane	12.10	5.6	ng	208880	4	11.41	745513	20.0
9,12-Octadecadien...	12.49	160.9	ng	5996570	4	11.41	745513	20.0
11-Octadecenoic a...	12.52	192.2	ng	7162790	4	11.41	745513	20.0
11H-Benzo[b]fluorene	13.26	6.3	ng	430823	5	14.06	1375920	20.0
Benzo[e]pyrene	15.43	6.1	ng	369270	6	15.56	1213210	20.0