LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022920\
Data File : BF119161.D
Acq On : 29 Feb 2020 16:31
Operator : CG/JU
Sample : L1697-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-053-A

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-BF022020.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	4.951	483	487	499	rVB	28199	42341	1.40%	0.138%
2	5.363	553	557	576	rBV	2181021	2374122	78.26%	7.719%
3	6.381	726	730	742	rBV	2324456	2292587	75.58%	7.454%
4	6.734	786	790	800	rBV	886876	754428	24.87%	2.453%
5	6.892	813	817	820	rBV	2297555	2149356	70.86%	6.989%
6	7.298	882	886	903	rBV	1693100	1555380	51.27%	5.057%
7	8.016	1004	1008	1018	rBV	1048170	977978	32.24%	3.180%
8	9.086	1186	1190	1194	rBV	3254875	3033445	100.00%	9.863%
9	9.480	1254	1257	1262	rVB	116805	112457	3.71%	0.366%
10	9.627	1279	1282	1285	rBV	38358	31566	1.04%	0.103%
11	9.763	1299	1305	1309	rBV	1184794	1082686	35.69%	3.520%
12	9.798	1309	1311	1318	rVB	87791	75016	2.47%	0.244%
13	9.975	1336	1341	1346	rBV	37204	42098	1.39%	0.137%
14	10.310	1395	1398	1404	rBV	50566	50141	1.65%	0.163%
15	10.557	1435	1440	1452	rBV	1746235	1805863	59.53%	5.872%
16	11.245	1554	1557	1560	rBV	1115230	1023204	33.73%	3.327%
17	11.269	1560	1561	1565	rVV	509877	377942	12.46%	1.229%
18	11.321	1565	1570	1574	rVB	150718	151935	5.01%	0.494%
19	11.486	1592	1598	1605	rBV2	48519	76208	2.51%	0.248%
20	11.751	1639	1643	1645	rBV	63657	61222	2.02%	0.199%
21	11.780	1645	1648	1653	rVV	291370	306327	10.10%	0.996%
22	11.827	1653	1656	1659	rVV	52446	62220	2.05%	0.202%
23	11.863	1659	1662	1664	rVV	110412	122739	4.05%	0.399%
24	11.880	1664	1665	1672	rVB	42287	39964	1.32%	0.130%
25	11.939	1672	1675	1681	rBV4	18806	33826	1.12%	0.110%
26	12.045	1688	1693	1696	rVB	45103	51239	1.69%	0.167%
27	12.080	1696	1699	1703	rBV	33648	32243	1.06%	0.105%
28	12.298	1732	1736	1739	rBV	39845	43101	1.42%	0.140%
29	12.339	1739	1743	1745	rVV2	31773	35240	1.16%	0.115%
30	12.392	1748	1752	1756	rVB3	33345	39135	1.29%	0.127%
31	12.457	1760	1763	1767	rBV	808799	779794	25.71%	2.536%
32	12.563	1777	1781	1786	rBV2	111810	157188	5.18%	0.511%
33	12.686	1796	1802	1806	rBV	752953	787608	25.96%	2.561%
34	12.739	1809	1811	1818	rVB3	37390	43207	1.42%	0.140%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022920\
Data File : BF119161.D
Acq On : 29 Feb 2020 16:31
Operator : CG/JU
Sample : L1697-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-053-A

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-BF022020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.827	1820	1826	1830	rBV	2952124	2785000	91.81%	9.055%
36	12.910	1835	1840	1843	rBV3	60547	99798	3.29%	0.324%
37	13.015	1855	1858	1861	rVB2	133390	137287	4.53%	0.446%
38	13.080	1867	1869	1872	rVB	94423	77336	2.55%	0.251%
39	13.121	1872	1876	1883	rVB3	88730	115421	3.80%	0.375%
40	13.215	1889	1892	1894	rBV	39843	33973	1.12%	0.110%
41	13.245	1894	1897	1900	rBV3	38725	41717	1.38%	0.136%
42	13.527	1943	1945	1948	rBV	60530	55592	1.83%	0.181%
43	13.633	1961	1963	1965	rBV	74207	66133	2.18%	0.215%
44	13.657	1965	1967	1970	rVV	64473	58608	1.93%	0.191%
45	13.686	1970	1972	1974	rVV	54705	52260	1.72%	0.170%
46	13.727	1976	1979	1985	rVB3	183301	263029	8.67%	0.855%
47	13.886	1998	2006	2008	rBV2	1208252	1613018	53.17%	5.245%
48	13.910	2008	2010	2013	rVB	421683	370971	12.23%	1.206%
49	13.992	2021	2024	2027	rVB	79092	68714	2.27%	0.223%
50	14.045	2029	2033	2037	rBV3	79965	112019	3.69%	0.364%
51	14.233	2063	2065	2067	rBV	46195	38766	1.28%	0.126%
52	14.274	2069	2072	2074	rVB	88619	85418	2.82%	0.278%
53	14.351	2082	2085	2087	rBV4	109216	122538	4.04%	0.398%
54	14.645	2133	2135	2138	rVB2	106035	84172	2.77%	0.274%
55	14.904	2175	2179	2182	rBV	477192	681105	22.45%	2.215%
56	14.962	2186	2189	2193	rVV3	139270	167577	5.52%	0.545%
57	15.009	2194	2197	2201	rVB	84738	85273	2.81%	0.277%
58	15.192	2225	2228	2234	rVB	281115	328761	10.84%	1.069%
59	15.251	2234	2238	2243	rBV	396192	490702	16.18%	1.596%
60	15.309	2244	2248	2260	rVB2	898943	1292212	42.60%	4.202%
61	15.721	2315	2318	2324	rVB2	114644	165451	5.45%	0.538%
62	16.709	2482	2486	2502	rVB	171740	430684	14.20%	1.400%
63	17.127	2554	2557	2568	rVB	103906	227653	7.50%	0.740%

Sum of corrected areas: 30754994

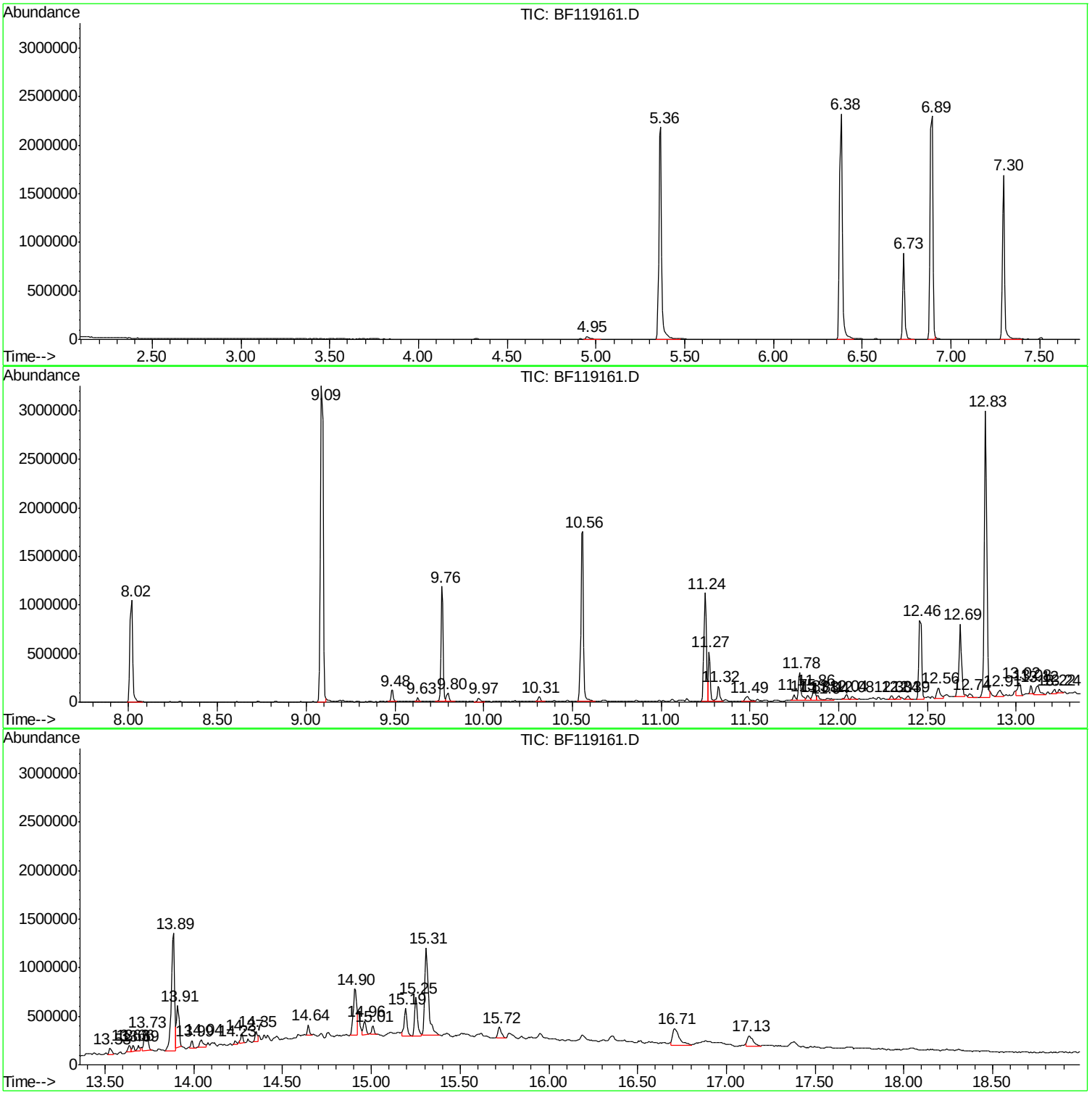
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022920\
Data File : BF119161.D
Acq On : 29 Feb 2020 16:31
Operator : CG/JU
Sample : L1697-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-053-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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\BF022920\
Data File : BF119161.D
Acq On : 29 Feb 2020 16:31
Operator : CG/JU
Sample : L1697-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-053-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

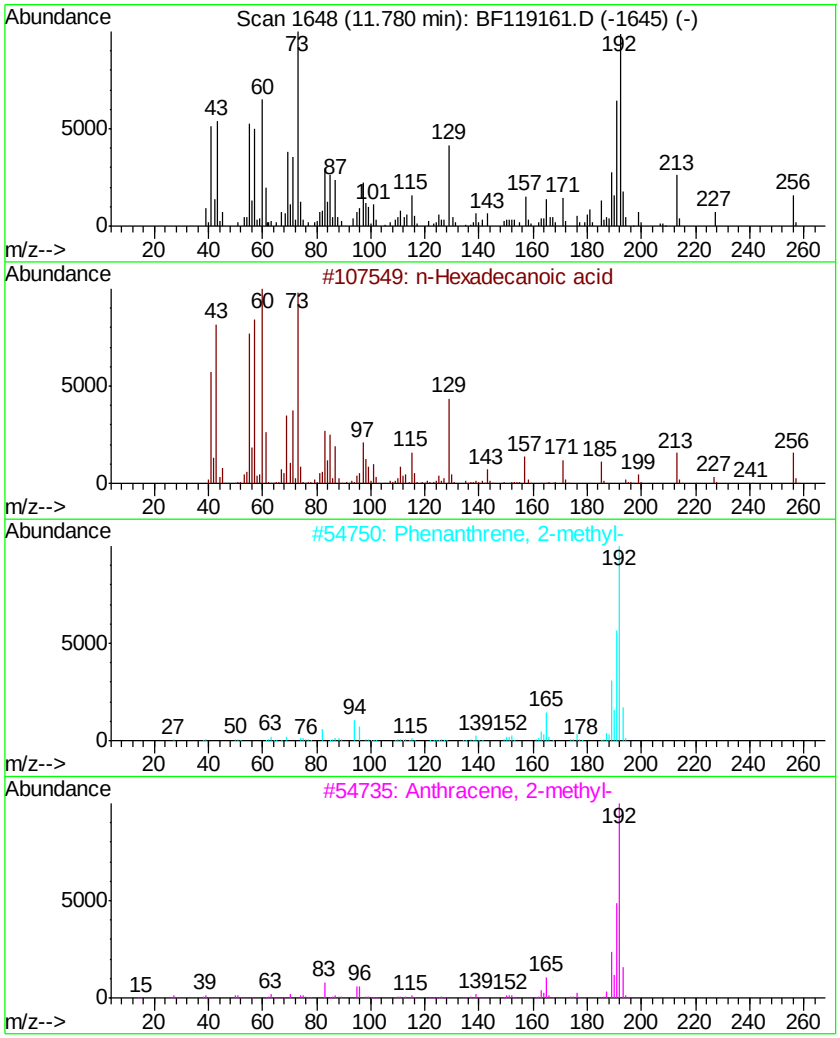
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

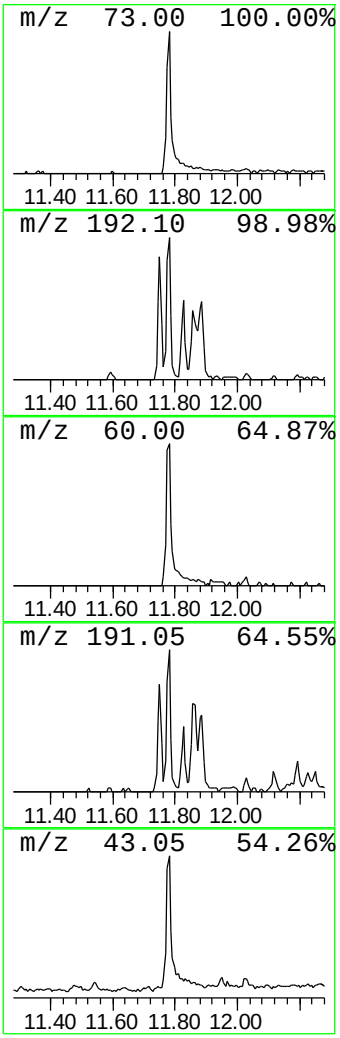
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	5.99 ng	306327	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	78
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	74
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	74
5	Tridecanoic acid	214	C13H26O2	000638-53-9	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022920\
Data File : BF119161.D
Acq On : 29 Feb 2020 16:31
Operator : CG/JU
Sample : L1697-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-053-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

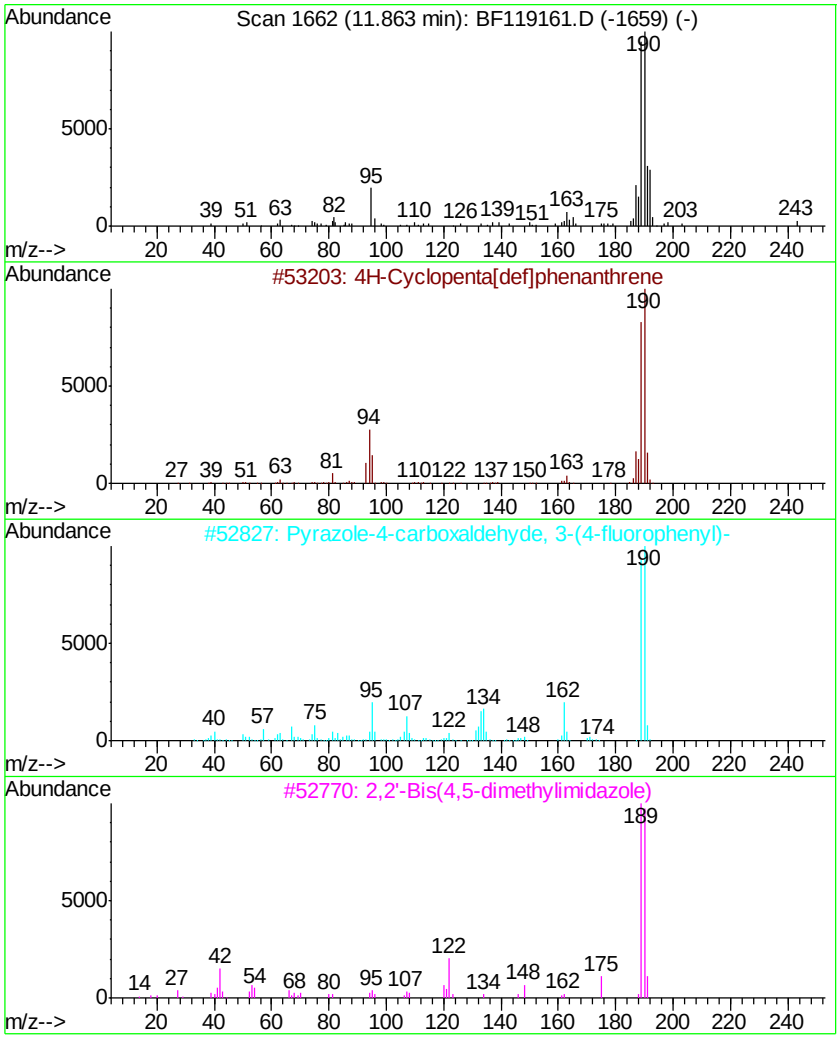
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

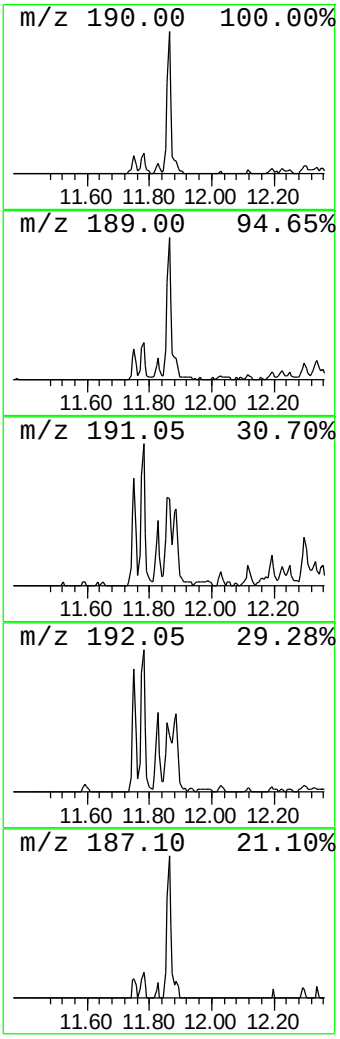
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	2.40 ng	122739	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	42
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33
4	1H-Pyrazole-4-carboxaldehyde, 1-...	190	C10H7FN2O	1000338-05-6	33
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022920\
Data File : BF119161.D
Acq On : 29 Feb 2020 16:31
Operator : CG/JU
Sample : L1697-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-053-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

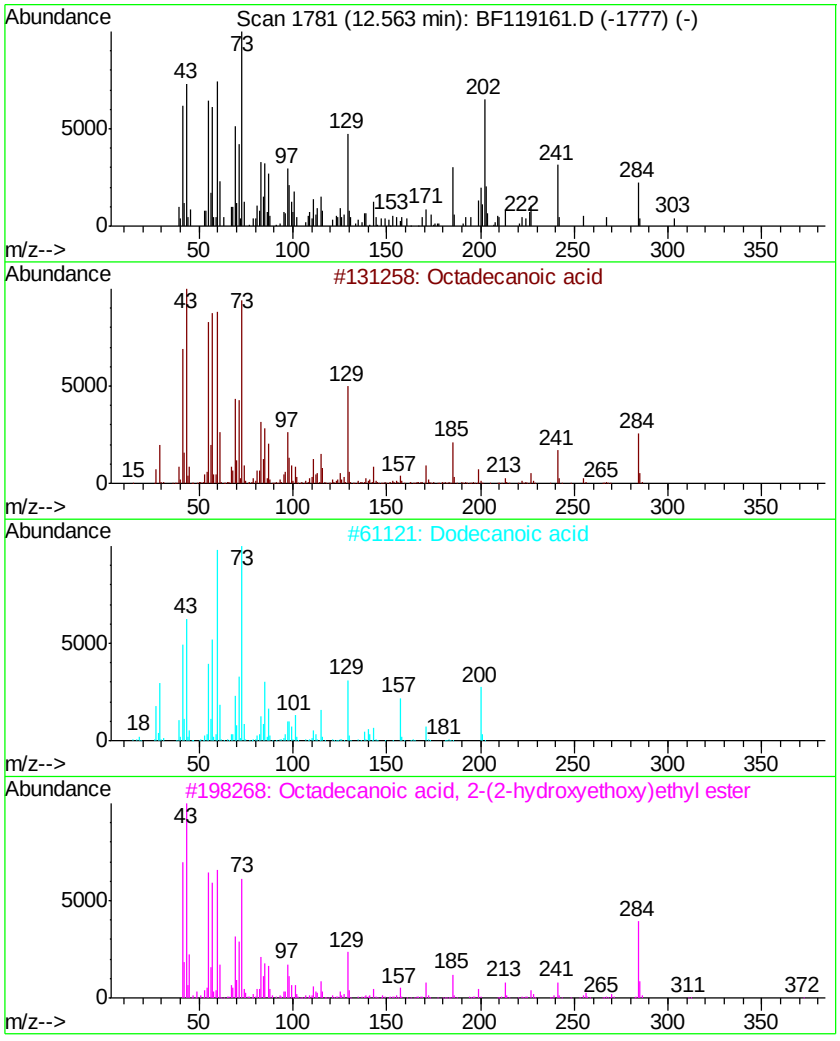
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

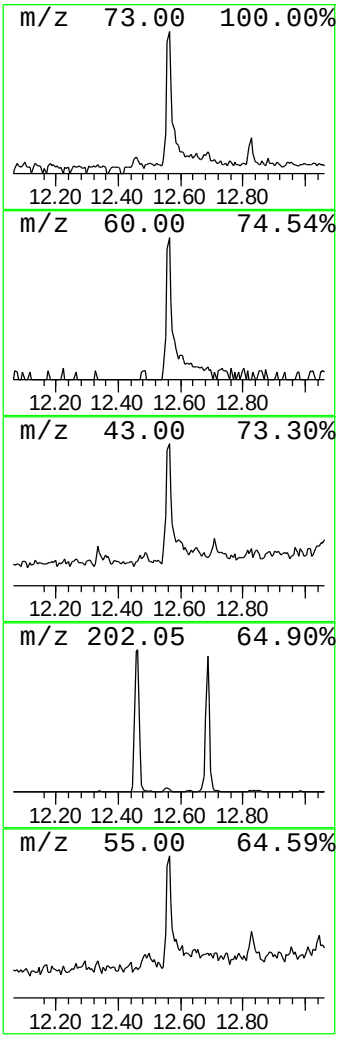
****

Peak Number 4 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	3.07 ng	157188	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Dodecanoic acid	200	C12H24O2	000143-07-7	64
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	62
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	43
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022920\
Data File : BF119161.D
Acq On : 29 Feb 2020 16:31
Operator : CG/JU
Sample : L1697-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-053-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

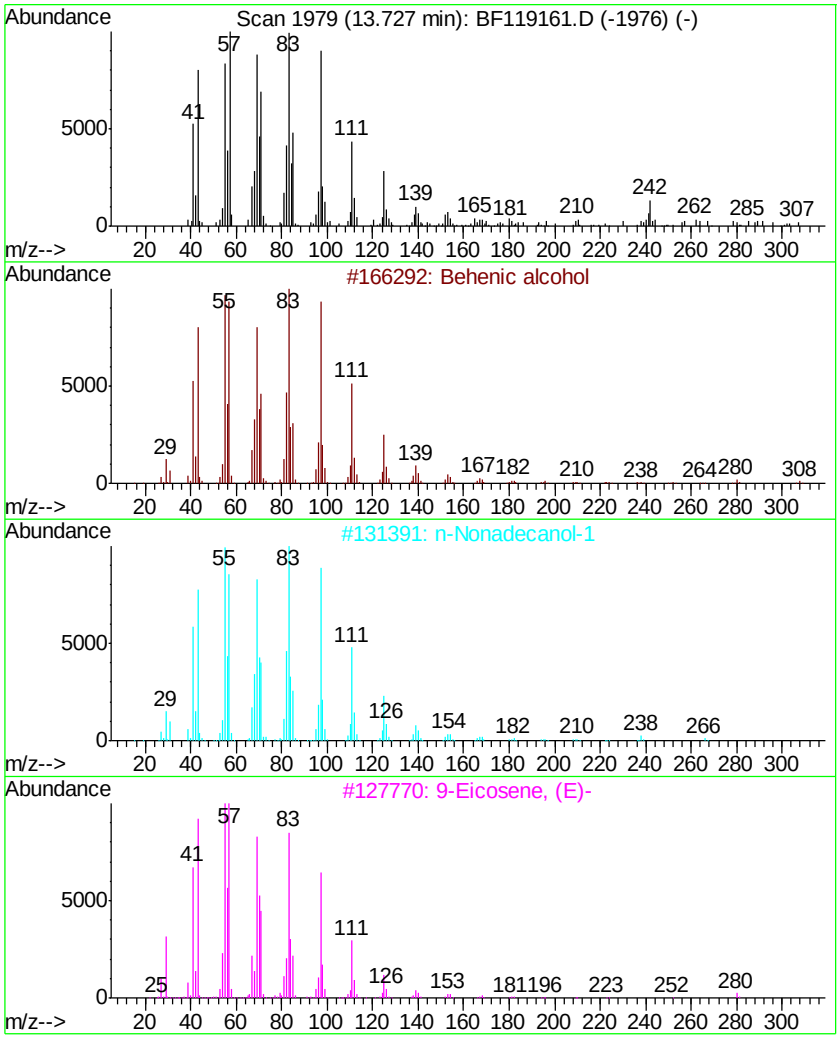
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

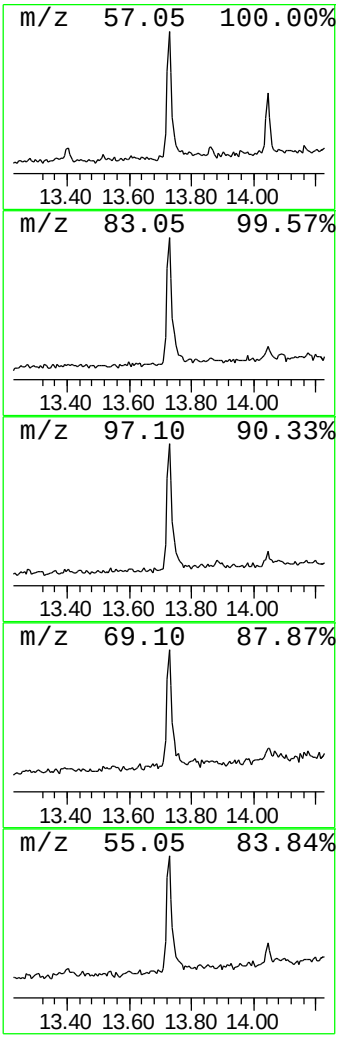
****

Peak Number 5 Behenic alcohol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	3.26 ng	263029	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenic alcohol	326	C22H46O	000661-19-8	93
2	n-Nonadecanol-1	284	C19H40O	001454-84-8	93
3	9-Eicosene, (E)-	280	C20H40	074685-29-3	93
4	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	93
5	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022920\
Data File : BF119161.D
Acq On : 29 Feb 2020 16:31
Operator : CG/JU
Sample : L1697-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-053-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

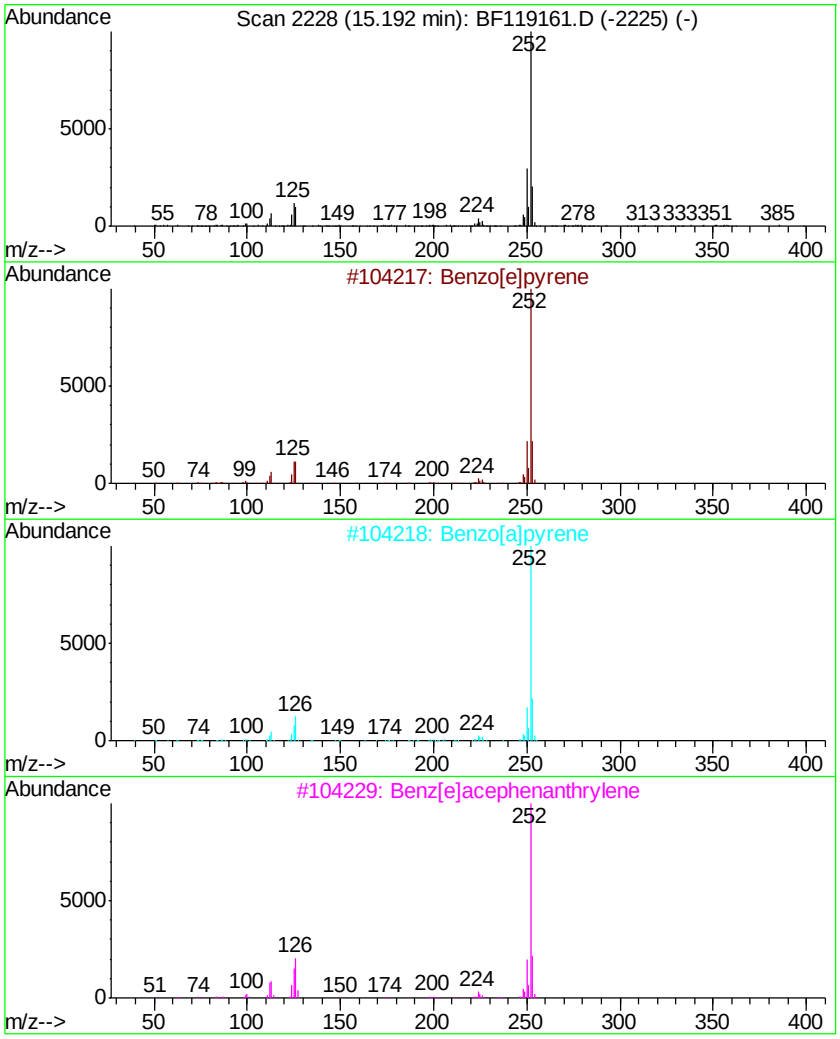
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

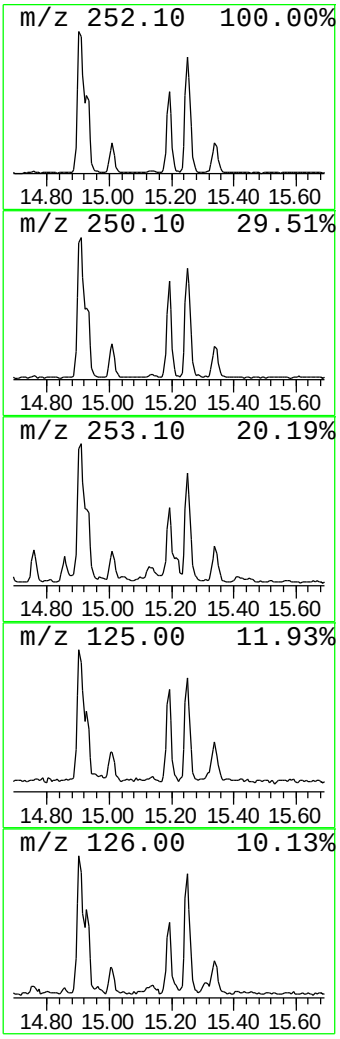
****

Peak Number 6 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	5.09 ng	328761	Perylene-d12	15.31

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





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022920\
Data File : BF119161.D
Acq On : 29 Feb 2020 16:31
Operator : CG/JU
Sample : L1697-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-053-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

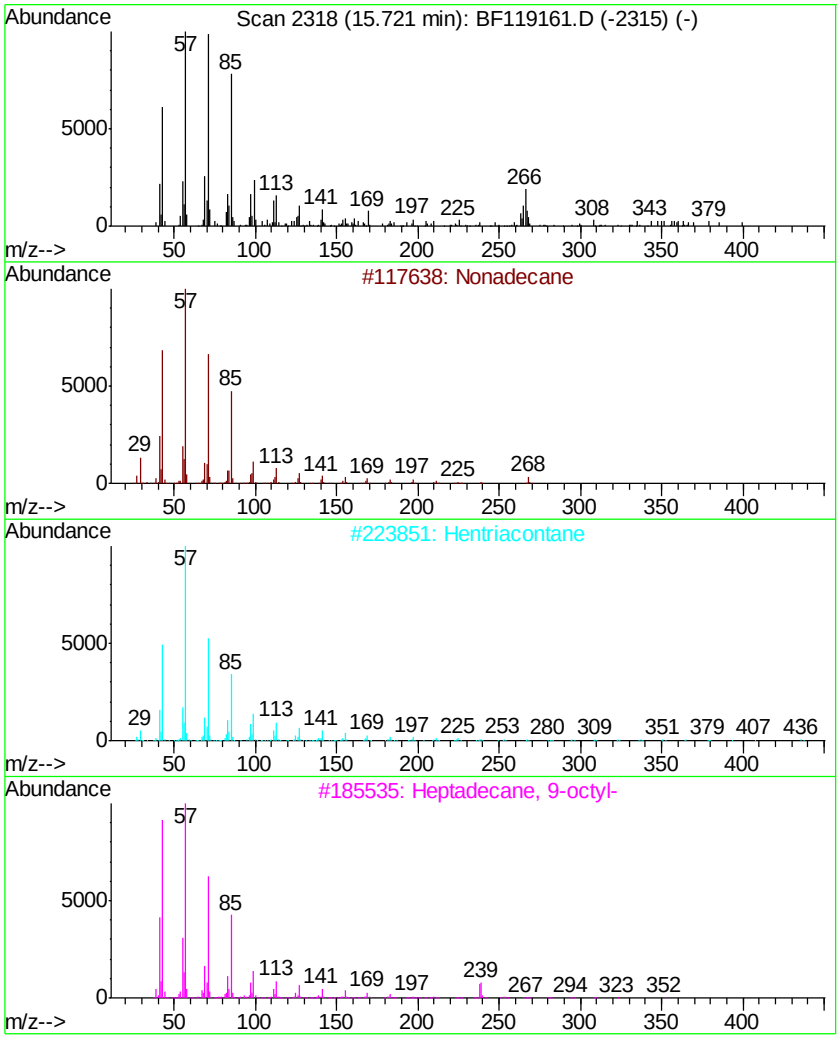
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

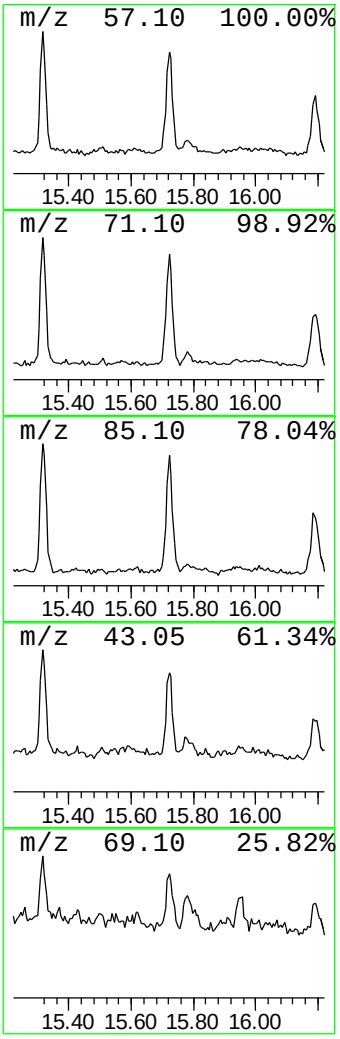
****

Peak Number 7 Nonadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	2.56 ng	165451	Perylene-d12	15.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	87
2	Hentriacontane	437	C31H64	000630-04-6	74
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	74
4	Tetratetracontane	619	C44H90	007098-22-8	74
5	Octacosane	394	C28H58	000630-02-4	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022920\
Data File : BF119161.D
Acq On : 29 Feb 2020 16:31
Operator : CG/JU
Sample : L1697-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-053-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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
n-Hexadecanoic acid	11.78	6.0	ng	306327	4	11.24	1023200	20.0
4H-Cyclopenta[def...	11.86	2.4	ng	122739	4	11.24	1023200	20.0
Octadecanoic acid	12.56	3.1	ng	157188	4	11.24	1023200	20.0
Behenic alcohol	13.73	3.3	ng	263029	5	13.89	1613020	20.0
Benzo[e]pyrene	15.19	5.1	ng	328761	6	15.31	1292210	20.0
Nonadecane	15.72	2.6	ng	165451	6	15.31	1292210	20.0