LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
Data File : BF119635.D
Acq On : 30 Mar 2020 16:17
Operator : MA/SJ
Sample : L2049-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-(1-3)

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-BF031820.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	2.210	17	21	33	rVB3	157542	255096	3.50%	0.400%
2	5.040	497	502	509	rVB	124535	158898	2.18%	0.249%
3	5.440	565	570	574	rBV	5678128	5816532	79.83%	9.124%
4	6.457	737	743	755	rVB2	5906209	7286411	100.00%	11.430%
5	6.834	803	807	810	rBV	2066839	1887198	25.90%	2.960%
6	6.987	829	833	837	rBV	5829303	5412143	74.28%	8.490%
7	7.392	897	902	905	rBV	3755458	3328221	45.68%	5.221%
8	8.116	1020	1025	1028	rBV	2862955	2461724	33.79%	3.862%
9	8.716	1123	1127	1130	rBV	154412	140550	1.93%	0.220%
10	9.116	1192	1195	1198	rBV	76223	84797	1.16%	0.133%
11	9.198	1204	1209	1212	rBV	8176354	6940861	95.26%	10.888%
12	9.281	1219	1223	1228	rBV2	235556	230154	3.16%	0.361%
13	9.592	1272	1276	1280	rBV	947736	829924	11.39%	1.302%
14	9.739	1298	1301	1306	rVB	96010	101933	1.40%	0.160%
15	9.816	1308	1314	1318	rVB	209697	215501	2.96%	0.338%
16	9.881	1318	1325	1328	rBV	2874468	2506282	34.40%	3.932%
17	9.910	1328	1330	1334	rVB	115922	90355	1.24%	0.142%
18	10.133	1364	1368	1373	rBV6	41962	81030	1.11%	0.127%
19	10.316	1396	1399	1401	rVB	183154	140903	1.93%	0.221%
20	10.422	1414	1417	1420	rBV2	103370	98495	1.35%	0.155%
21	10.663	1454	1458	1462	rBV	2419614	2145085	29.44%	3.365%
22	10.704	1463	1465	1476	rVV9	59777	150706	2.07%	0.236%
23	10.792	1476	1480	1486	rVB	183485	270310	3.71%	0.424%
24	11.239	1553	1556	1558	rVV2	121395	98561	1.35%	0.155%
25	11.263	1558	1560	1565	rVB2	112344	129334	1.78%	0.203%
26	11.369	1574	1578	1580	rBV	2448869	2175746	29.86%	3.413%
27	11.392	1580	1582	1586	rVV	1113409	909358	12.48%	1.426%
28	11.439	1586	1590	1593	rVB	312000	321666	4.41%	0.505%
29	11.592	1612	1616	1619	rBV2	87984	135136	1.85%	0.212%
30	11.663	1626	1628	1632	rVB	115079	94374	1.30%	0.148%
31	11.869	1660	1663	1665	rBV	175723	152568	2.09%	0.239%
32	11.898	1665	1668	1672	rVB	321070	285658	3.92%	0.448%
33	11.980	1679	1682	1685	rBV	281587	295392	4.05%	0.463%
34	12.004	1685	1686	1690	rVB	144431	91511	1.26%	0.144%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
Data File : BF119635.D
Acq On : 30 Mar 2020 16:17
Operator : MA/SJ
Sample : L2049-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-(1-3)

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-BF031820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.075	1695	1698	1700	rBV	101878	83866	1.15%	0.132%
36	12.163	1711	1713	1715	rBV	109739	102877	1.41%	0.161%
37	12.422	1754	1757	1759	rBV	147894	165999	2.28%	0.260%
38	12.463	1759	1764	1769	rVV3	183525	353156	4.85%	0.554%
39	12.504	1769	1771	1776	rVB2	90002	101329	1.39%	0.159%
40	12.580	1781	1784	1788	rBV	1811009	1515434	20.80%	2.377%
41	12.810	1817	1823	1826	rBV	1625453	1683002	23.10%	2.640%
42	12.927	1841	1843	1845	rBV	79167	91153	1.25%	0.143%
43	12.957	1845	1848	1852	rVB	5401612	4904298	67.31%	7.693%
44	13.139	1876	1879	1882	rVB	260527	256002	3.51%	0.402%
45	13.204	1887	1890	1893	rVV2	218897	237392	3.26%	0.372%
46	13.245	1894	1897	1899	rVV2	162536	152627	2.09%	0.239%
47	13.339	1910	1913	1915	rVB	91341	80217	1.10%	0.126%
48	13.369	1915	1918	1920	rBV	109998	112855	1.55%	0.177%
49	13.651	1963	1966	1970	rVB2	118000	141494	1.94%	0.222%
50	13.810	1991	1993	1998	rBV2	105719	109993	1.51%	0.173%
51	13.886	2004	2006	2016	rVB4	207667	312040	4.28%	0.489%
52	14.010	2022	2027	2030	rBV2	1981260	2572522	35.31%	4.035%
53	14.033	2030	2031	2038	rVB	758962	668080	9.17%	1.048%
54	14.116	2043	2045	2048	rVB	161202	129794	1.78%	0.204%
55	14.492	2106	2109	2111	rBV2	233745	209880	2.88%	0.329%
56	15.051	2200	2204	2207	rBV	712410	1080091	14.82%	1.694%
57	15.133	2216	2218	2225	rVB2	329737	495335	6.80%	0.777%
58	15.351	2252	2255	2261	rVB	457978	541398	7.43%	0.849%
59	15.415	2262	2266	2272	rBV	555028	711848	9.77%	1.117%
60	15.480	2273	2277	2280	rBV	1109928	1299061	17.83%	2.038%
61	15.962	2356	2359	2364	rVB	234972	313499	4.30%	0.492%

Sum of corrected areas: 63747655

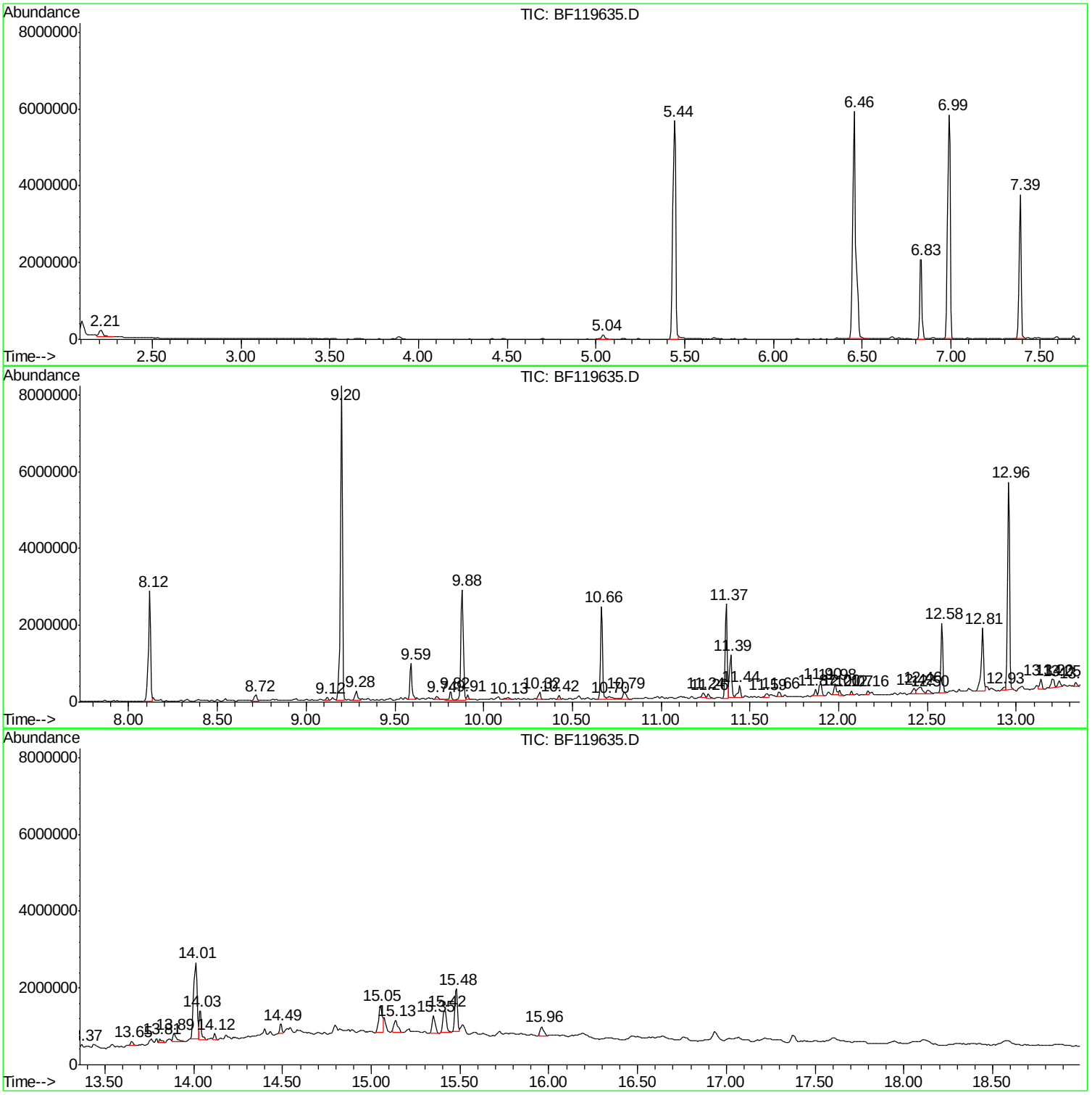
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
Data File : BF119635.D
Acq On : 30 Mar 2020 16:17
Operator : MA/SJ
Sample : L2049-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-4-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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\BF033020\
Data File : BF119635.D
Acq On : 30 Mar 2020 16:17
Operator : MA/SJ
Sample : L2049-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

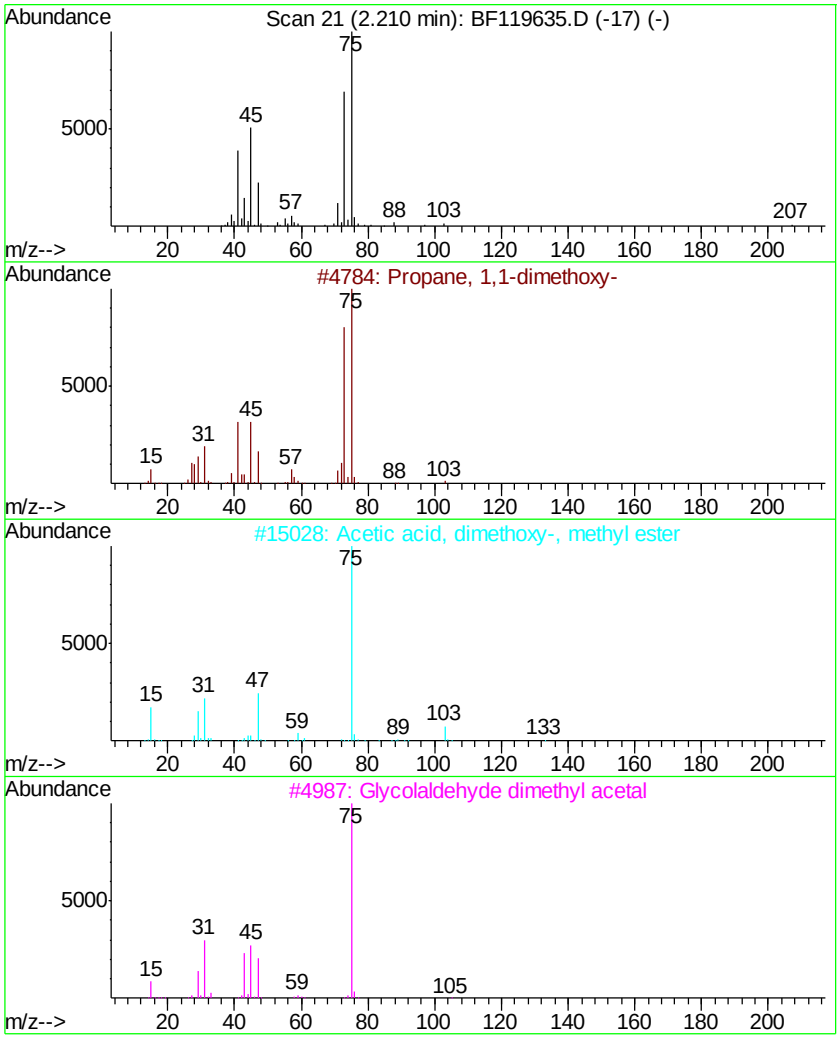
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

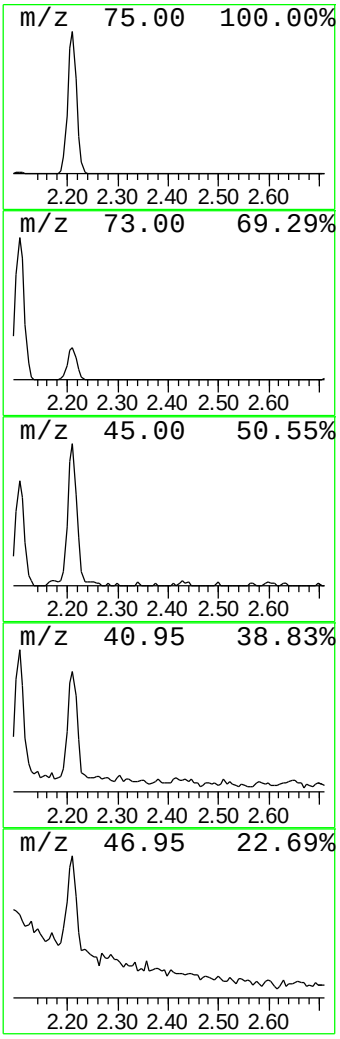
****

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.21	2.70 ng	255096	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	74
2	Acetic acid, dimethoxy-, methyl ...	134	C5H10O4	000089-91-8	38
3	Glycolaldehyde dimethyl acetal	106	C4H10O3	030934-97-5	36
4	2H-Oxireno[3,4]cyclopenta[1,2-c]...	214	C10H14O5	1000141-74-6	33
5	3-(Methylthio)-2-butanone	118	C5H10OS	053475-15-3	33





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
Data File : BF119635.D
Acq On : 30 Mar 2020 16:17
Operator : MA/SJ
Sample : L2049-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

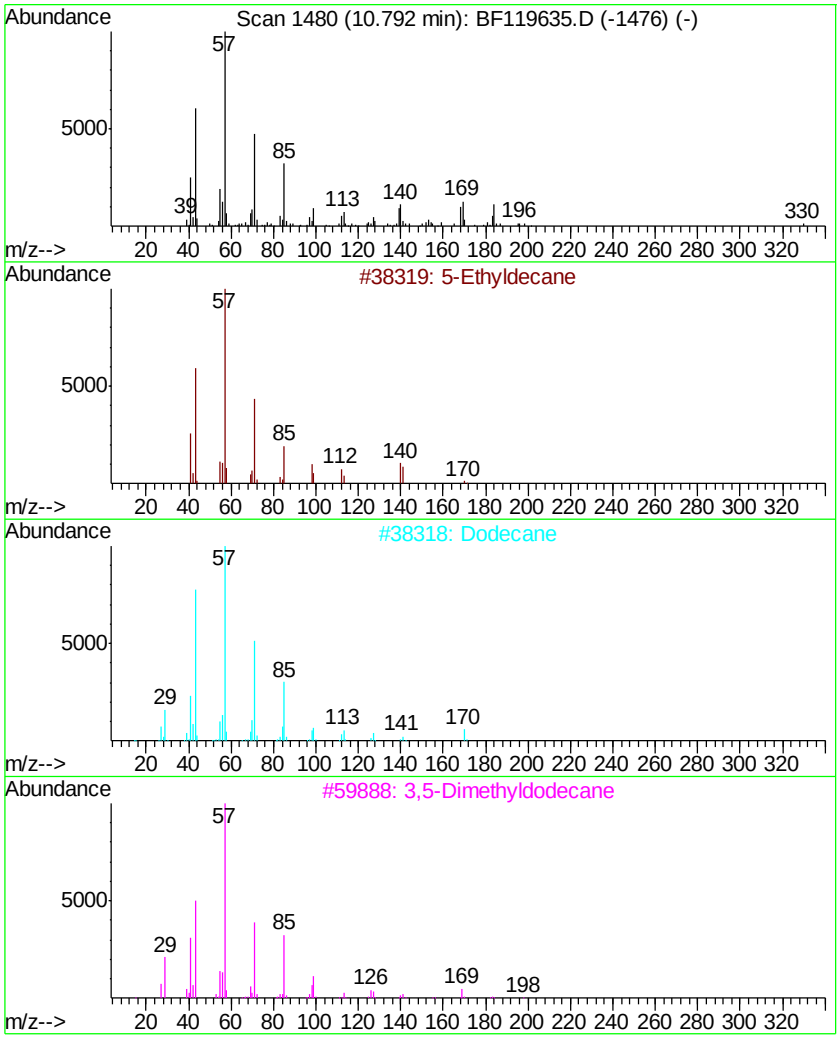
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

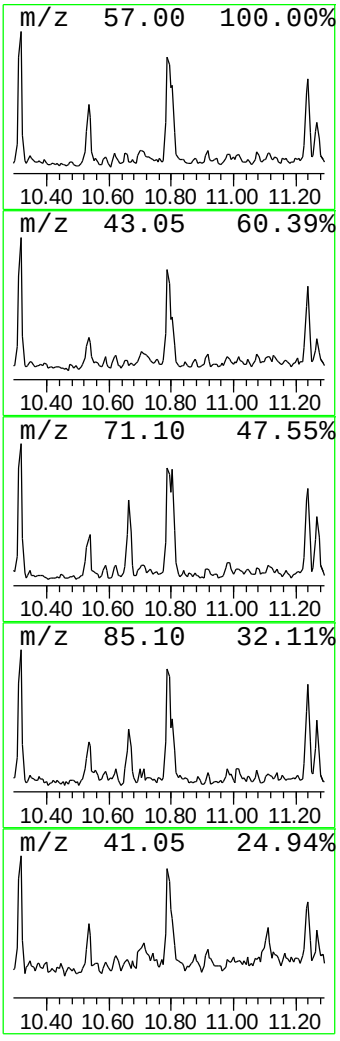
****

Peak Number 3 5-Ethyldecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	2.48 ng	270310	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Ethyldecane	170	C12H26	017302-36-2	70
2	Dodecane	170	C12H26	000112-40-3	60
3	3,5-Dimethyldodecane	198	C14H30	107770-99-0	58
4	Eicosane	282	C20H42	000112-95-8	52
5	Tridecane, 7-propyl-	226	C16H34	055045-09-5	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
Data File : BF119635.D
Acq On : 30 Mar 2020 16:17
Operator : MA/SJ
Sample : L2049-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

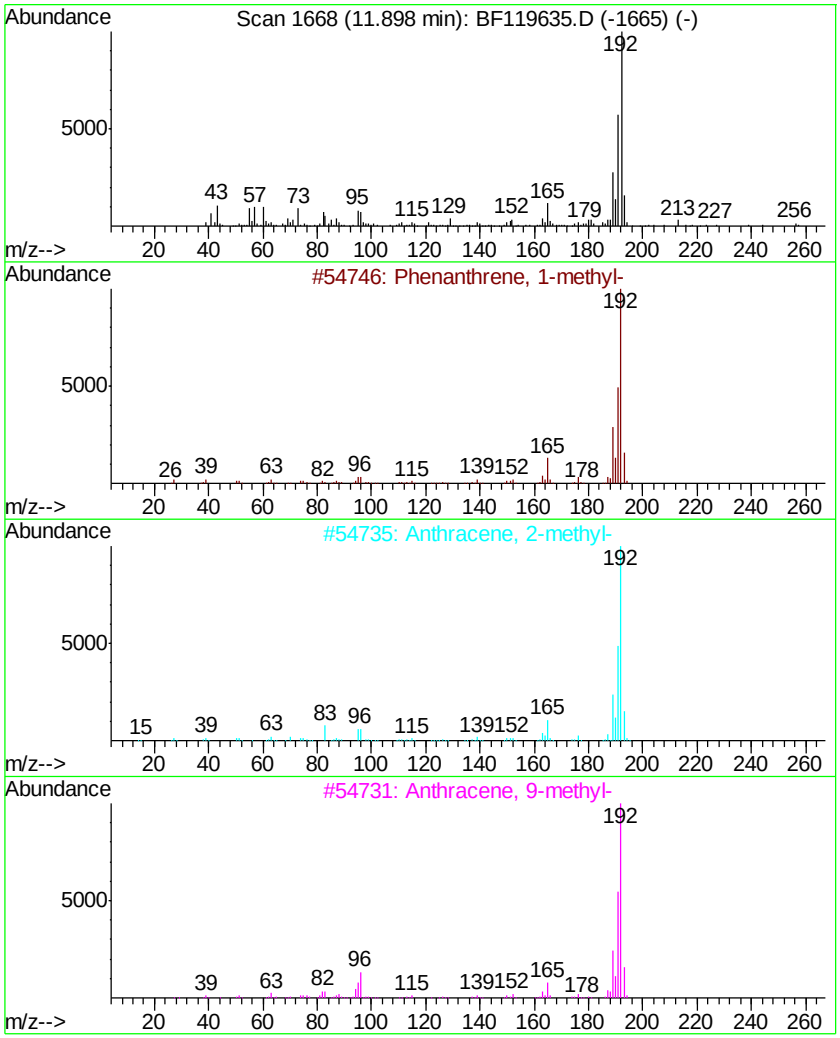
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

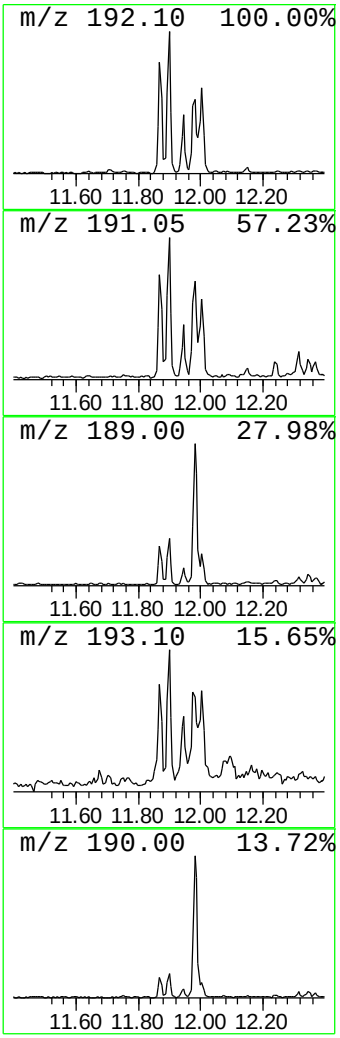
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.63 ng	285658	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
Data File : BF119635.D
Acq On : 30 Mar 2020 16:17
Operator : MA/SJ
Sample : L2049-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

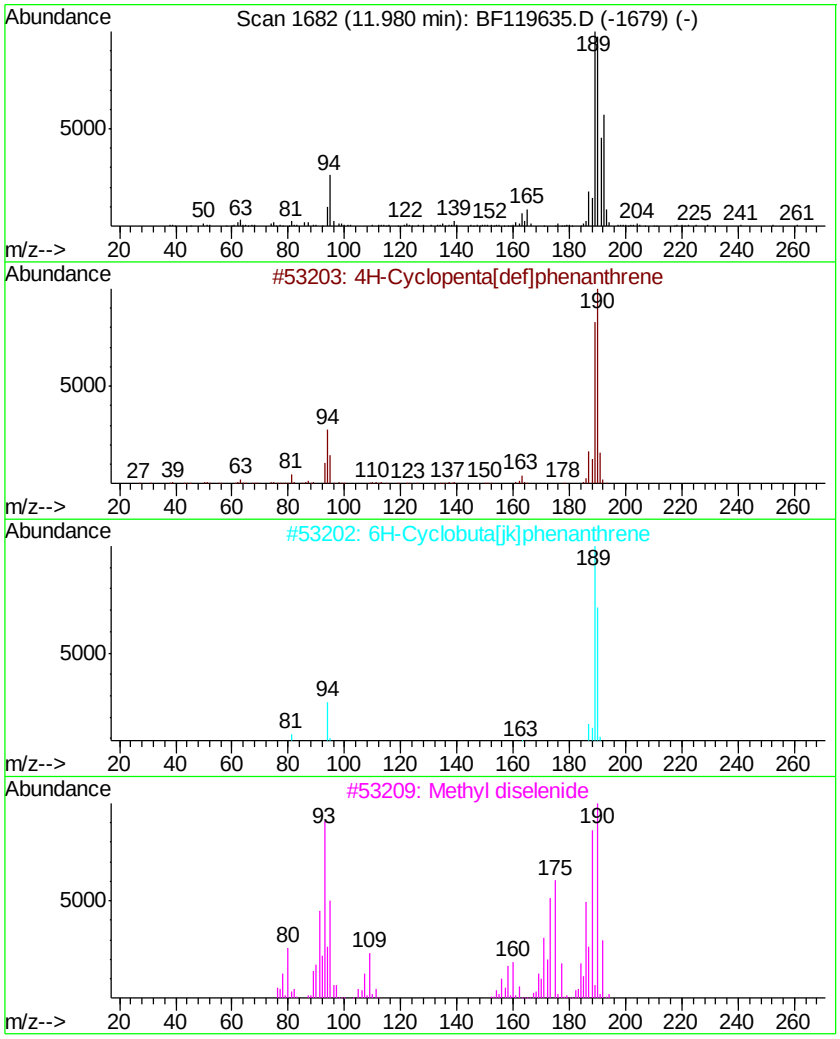
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

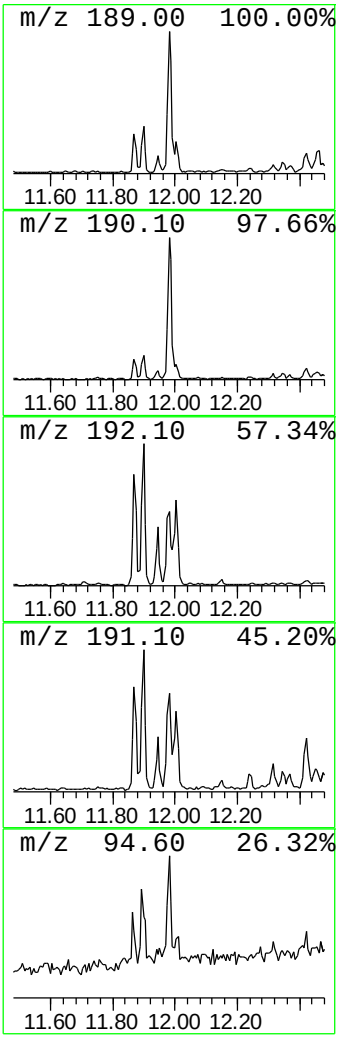
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	2.72 ng	295392	Phenanthrene-d10	11.37

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	53
3	Methyl diselenide	190	C2H6Se2	007101-31-7	43
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	38
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	20





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
Data File : BF119635.D
Acq On : 30 Mar 2020 16:17
Operator : MA/SJ
Sample : L2049-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

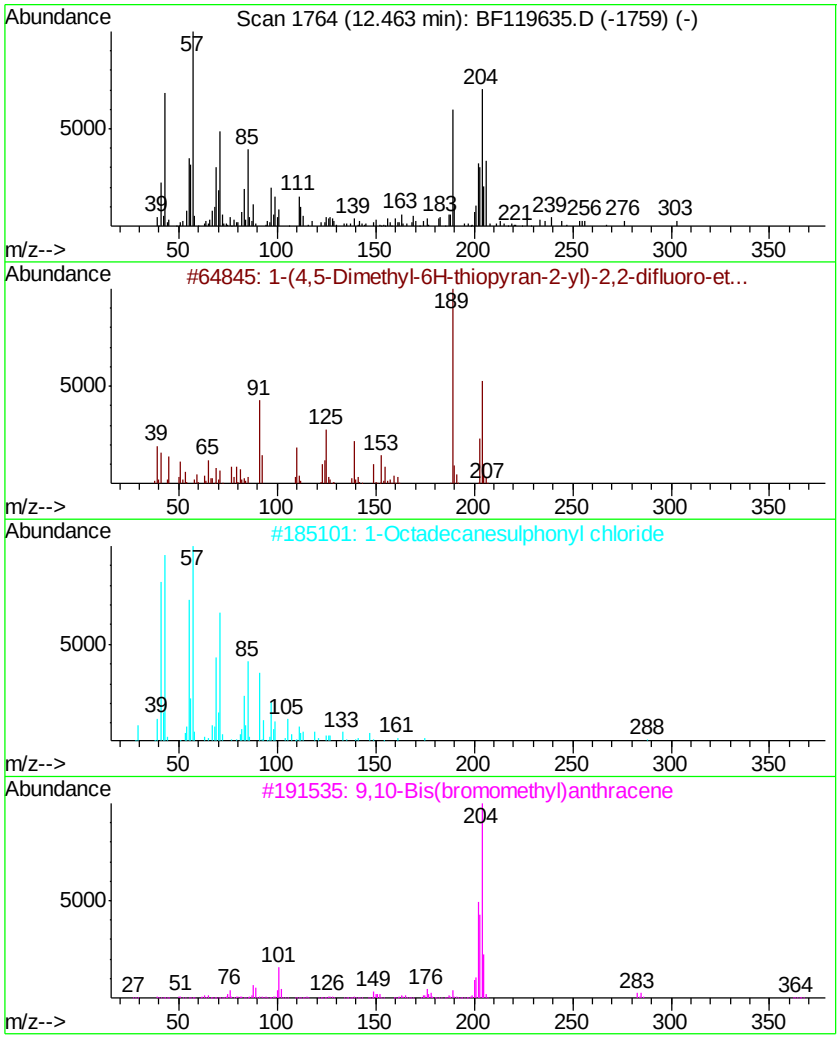
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

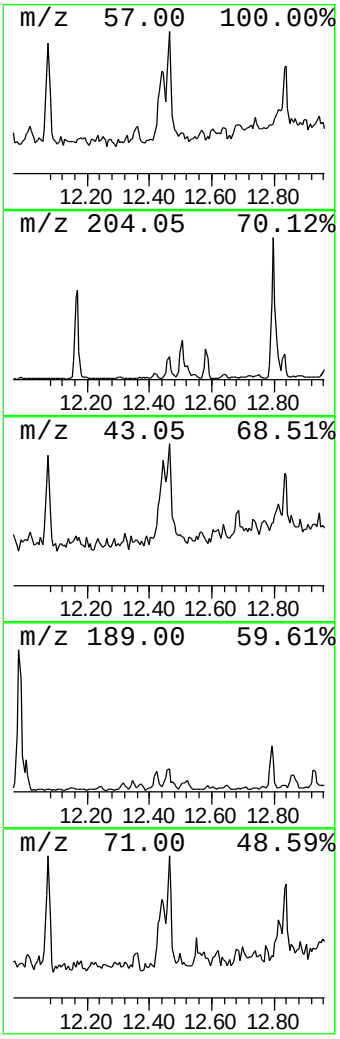
****

Peak Number 6 unknown12.46 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	3.25 ng	353156	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4,5-Dimethyl-6H-thiopyran-2-y...	204	C9H10F2OS	1000318-25-0	30
2	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	25
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	22
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	18
5	Octacosane	394	C28H58	000630-02-4	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
Data File : BF119635.D
Acq On : 30 Mar 2020 16:17
Operator : MA/SJ
Sample : L2049-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

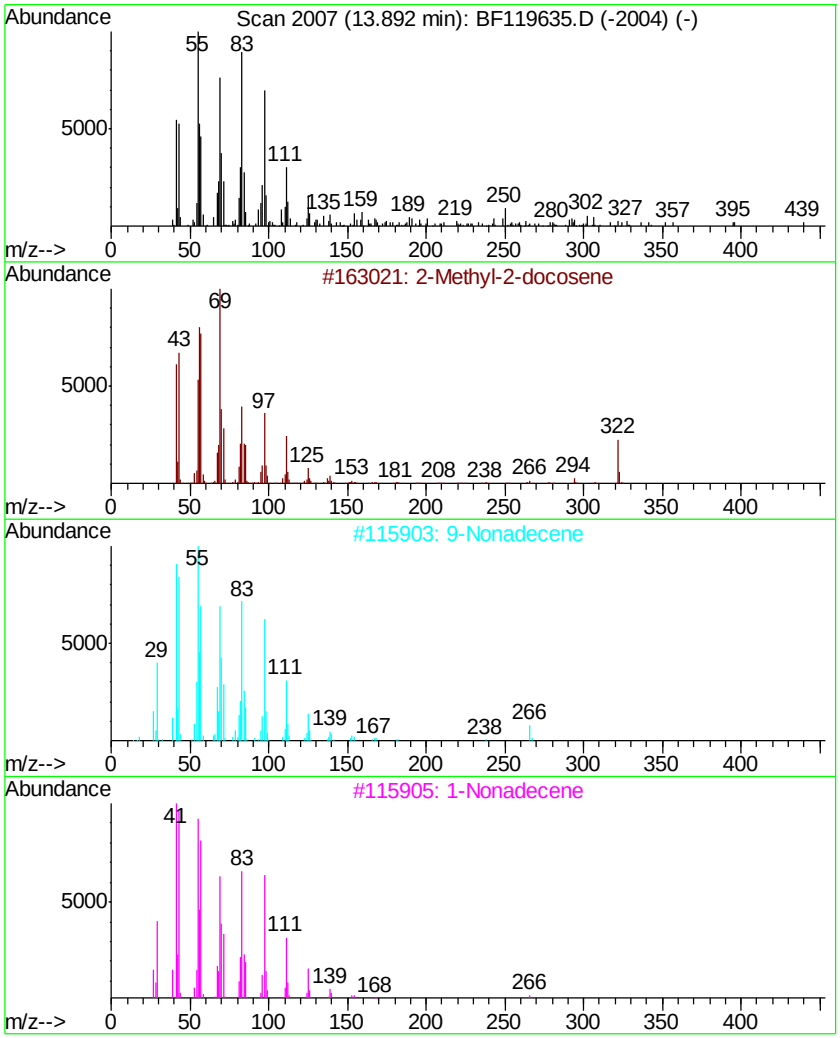
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

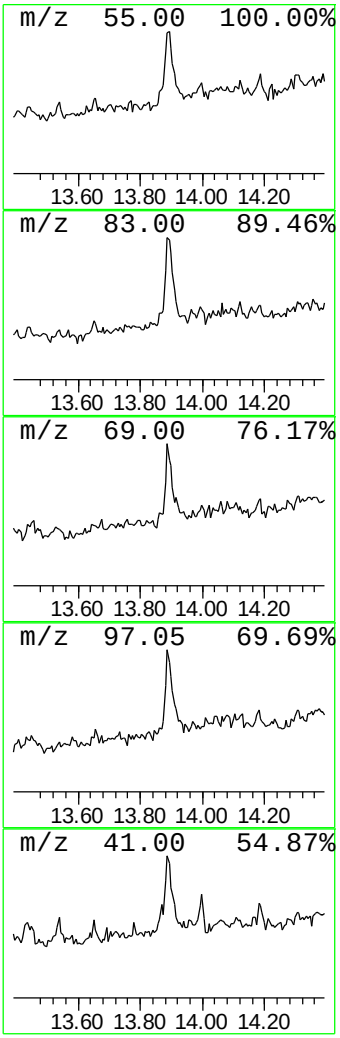
****

Peak Number 7 2-Methyl-2-docosene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	2.43 ng	312040	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-2-docosene	322	C23H46	1000131-16-9	93
2	9-Nonadecene	266	C19H38	031035-07-1	93
3	1-Nonadecene	266	C19H38	018435-45-5	93
4	9-Tricosene, (Z)-	322	C23H46	027519-02-4	93
5	17-Pentatriacontene	491	C35H70	006971-40-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
Data File : BF119635.D
Acq On : 30 Mar 2020 16:17
Operator : MA/SJ
Sample : L2049-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

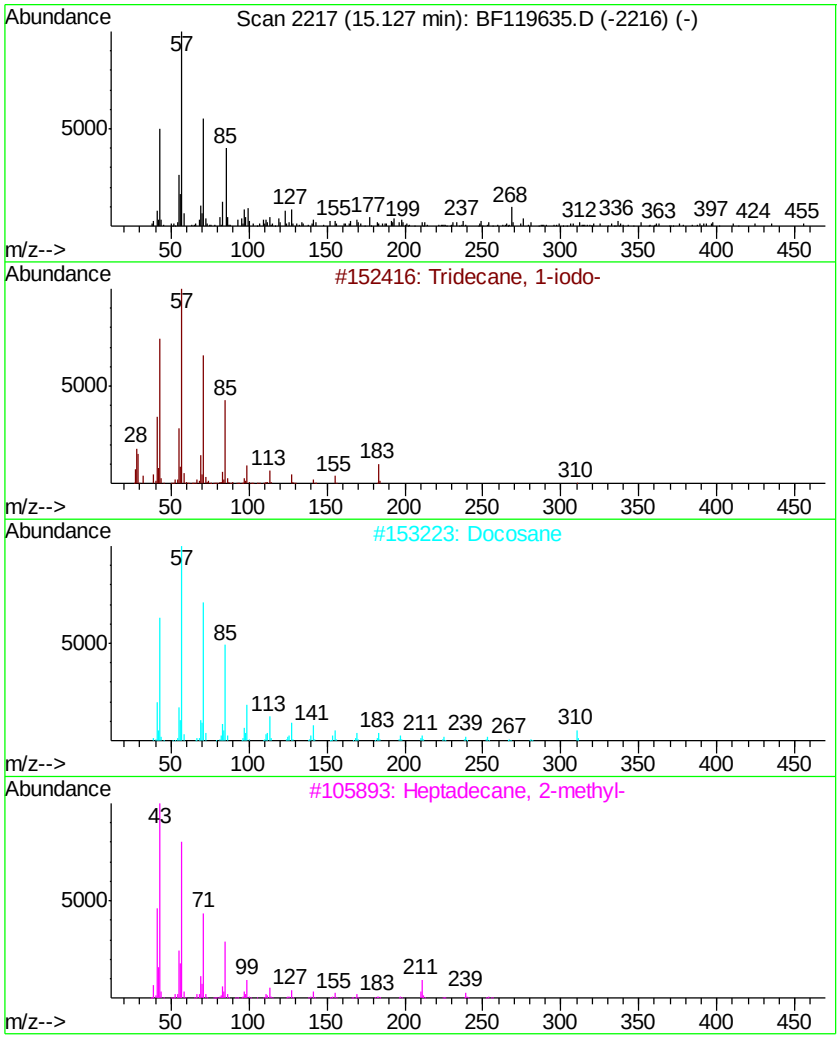
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

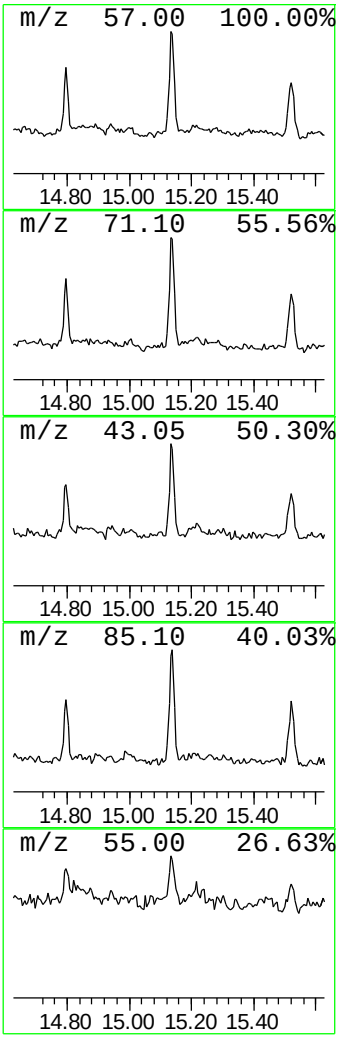
****

Peak Number 8 Tridecane, 1-iodo- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	7.63 ng	495335	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	93
2	Docosane	310	C22H46	000629-97-0	91
3	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5	Tricosane	324	C23H48	000638-67-5	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
Data File : BF119635.D
Acq On : 30 Mar 2020 16:17
Operator : MA/SJ
Sample : L2049-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

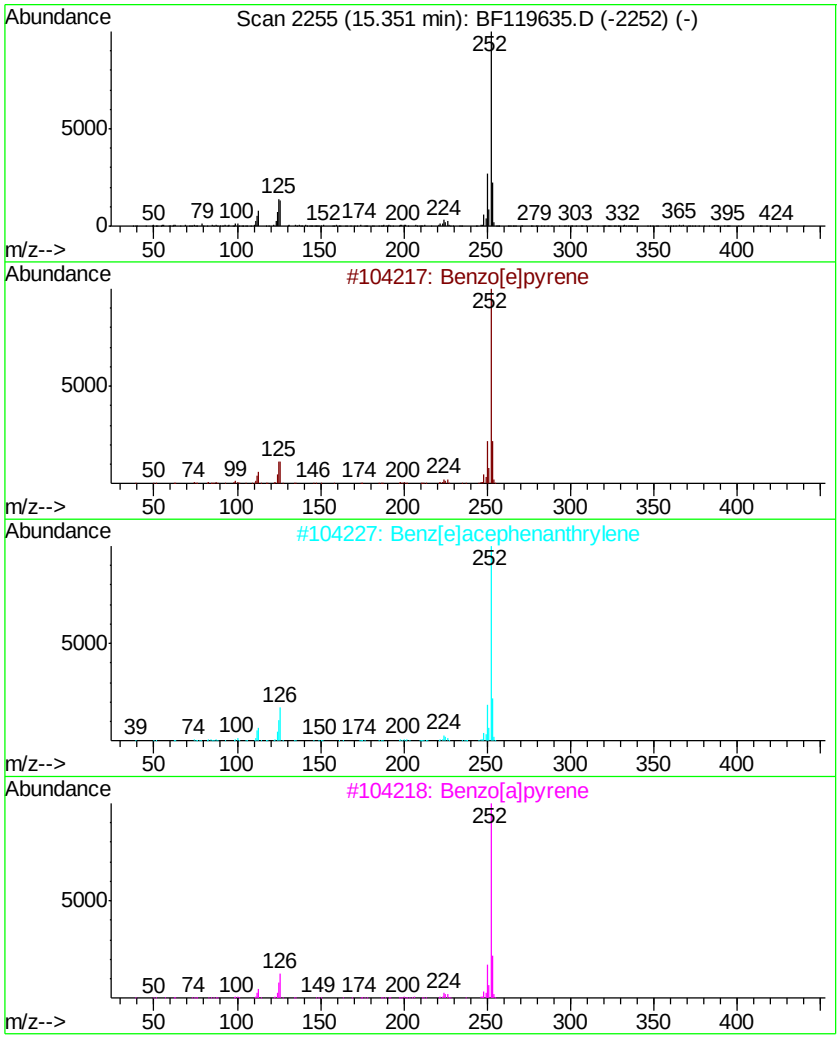
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

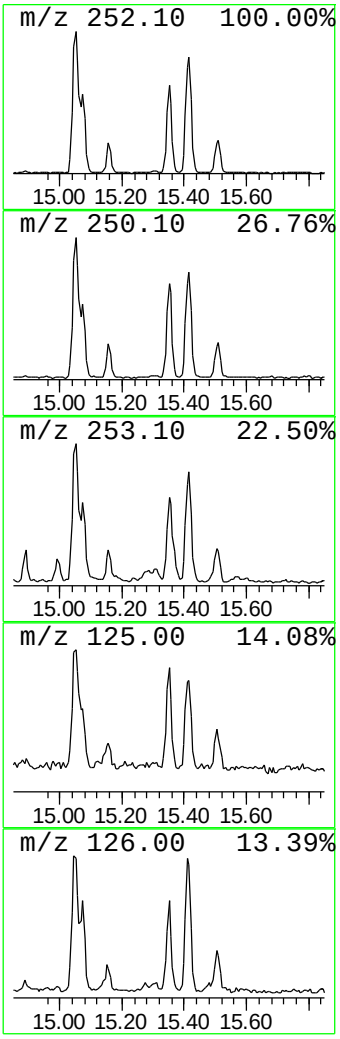
****

Peak Number 9 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	8.34 ng	541398	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	98
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
5	Perylene	252	C20H12	000198-55-0	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
Data File : BF119635.D
Acq On : 30 Mar 2020 16:17
Operator : MA/SJ
Sample : L2049-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

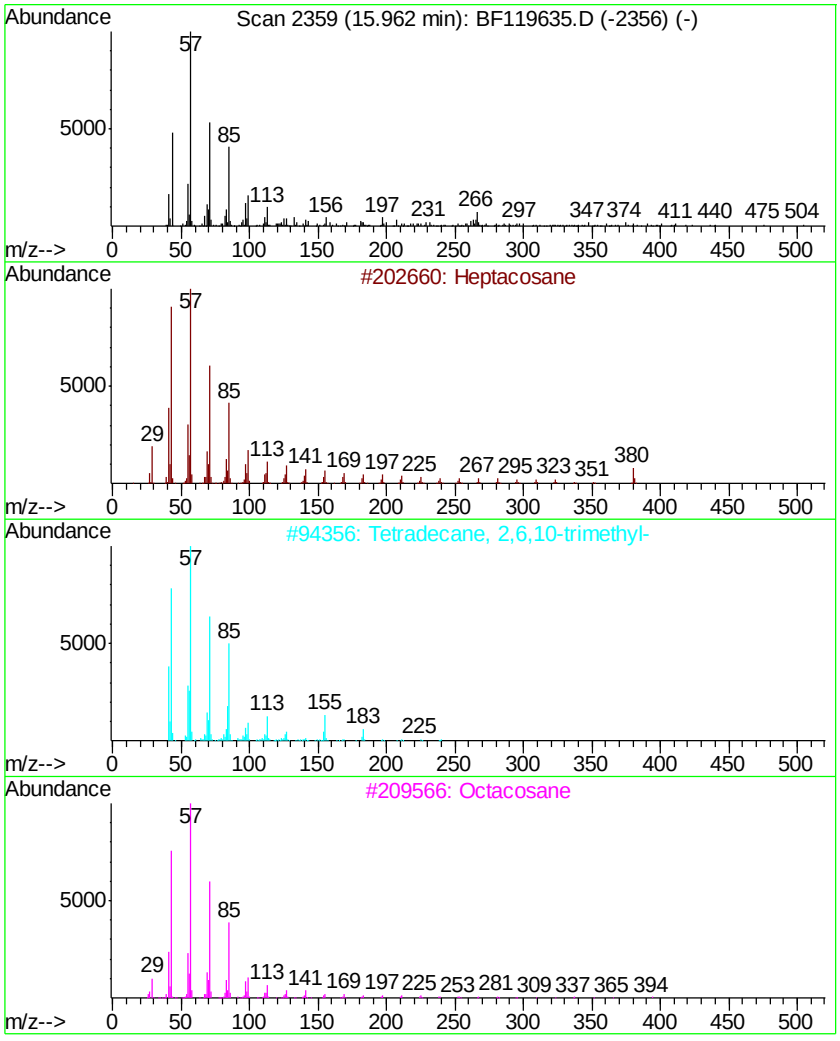
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

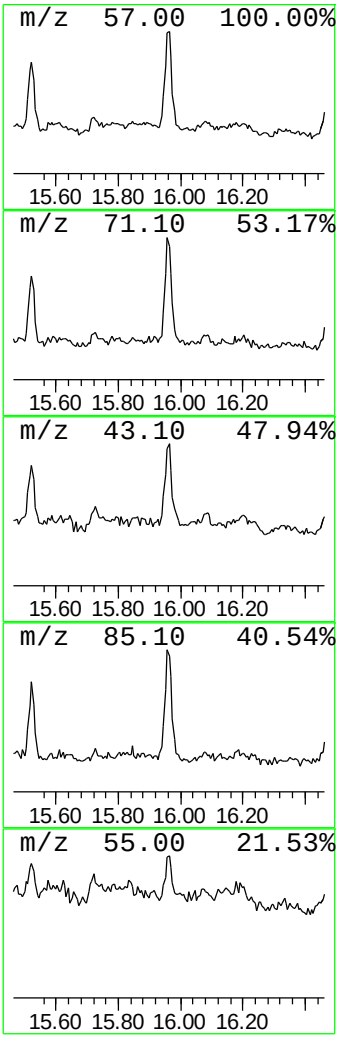
****

Peak Number 10 Heptacosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	4.83 ng	313499	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	81
2	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	74
3	Octacosane	394	C28H58	000630-02-4	64
4	Undecane	156	C11H24	001120-21-4	64
5	Behenyl chloride	344	C22H45Cl	042217-03-8	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF033020\
Data File : BF119635.D
Acq On : 30 Mar 2020 16:17
Operator : MA/SJ
Sample : L2049-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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
Propane, 1,1-dime...	2.21	2.7	ng	255096	1	6.83	1887200	20.0
5-Ethyldecane	10.79	2.5	ng	270310	4	11.37	2175750	20.0
Phenanthrene, 1-m...	11.90	2.6	ng	285658	4	11.37	2175750	20.0
4H-Cyclopenta[def...	11.98	2.7	ng	295392	4	11.37	2175750	20.0
unknown12.46	12.46	3.3	ng	353156	4	11.37	2175750	20.0
2-Methyl-2-docosene	13.89	2.4	ng	312040	5	14.01	2572520	20.0
Tridecane, 1-iodo-	15.13	7.6	ng	495335	6	15.48	1299060	20.0
Benzo[e]pyrene	15.35	8.3	ng	541398	6	15.48	1299060	20.0
Heptacosane	15.96	4.8	ng	313499	6	15.48	1299060	20.0