LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012220\
Data File : BF118674.D
Acq On : 22 Jan 2020 20:47
Operator : CG/JU
Sample : L1213-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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-BF012020.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	2.169	6	14	22	rBV	1599387	2206460	30.37%	2.993%
2	5.104	502	513	520	rVB2	63697	112700	1.55%	0.153%
3	5.498	573	580	583	rBV	5957275	5970710	82.18%	8.099%
4	6.504	745	751	755	rBV	5668738	6406400	88.17%	8.690%
5	6.881	811	815	818	rBV	2122301	1898661	26.13%	2.576%
6	7.040	837	842	845	rBV	5404956	5232992	72.02%	7.099%
7	7.434	900	909	912	rBV	4043651	4069161	56.00%	5.520%
8	8.157	1028	1032	1035	rBV	2641780	2622207	36.09%	3.557%
9	8.181	1035	1036	1040	rVV	553362	338482	4.66%	0.459%
10	8.228	1041	1044	1047	rVB2	90097	81795	1.13%	0.111%
11	8.457	1076	1083	1086	rBV6	52709	87947	1.21%	0.119%
12	8.587	1101	1105	1108	rBV	162046	161588	2.22%	0.219%
13	8.875	1151	1154	1157	rVB	193668	174664	2.40%	0.237%
14	8.969	1168	1170	1174	rVB	145945	121586	1.67%	0.165%
15	9.122	1192	1196	1200	rBV5	39185	74367	1.02%	0.101%
16	9.163	1200	1203	1205	rBV2	97270	104966	1.44%	0.142%
17	9.186	1205	1207	1211	rVB	369378	290809	4.00%	0.394%
18	9.234	1211	1215	1219	rBV	7466032	7265747	100.00%	9.856%
19	9.334	1227	1232	1235	rBV4	201323	316536	4.36%	0.429%
20	9.434	1246	1249	1253	rVB3	92383	119636	1.65%	0.162%
21	9.492	1253	1259	1261	rBV4	102506	180999	2.49%	0.246%
22	9.575	1270	1273	1276	rBV2	239630	246157	3.39%	0.334%
23	9.628	1279	1282	1283	rVV	877522	762819	10.50%	1.035%
24	9.645	1283	1285	1287	rVV	635353	499879	6.88%	0.678%
25	9.692	1291	1293	1297	rVB2	89356	84701	1.17%	0.115%
26	9.792	1305	1310	1313	rBV3	196219	246804	3.40%	0.335%
27	9.834	1314	1317	1322	rVV2	195514	227868	3.14%	0.309%
28	9.916	1325	1331	1334	rBV	3598299	3136805	43.17%	4.255%
29	9.945	1334	1336	1340	rVB	703179	634071	8.73%	0.860%
30	10.028	1347	1350	1353	rVB3	118181	131595	1.81%	0.179%
31	10.116	1362	1365	1369	rVB	521616	451933	6.22%	0.613%
32	10.181	1373	1376	1379	rVB3	131707	128128	1.76%	0.174%
33	10.233	1382	1385	1388	rBV2	135550	163334	2.25%	0.222%
34	10.292	1392	1395	1398	rVV2	102248	112472	1.55%	0.153%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012220\
Data File : BF118674.D
Acq On : 22 Jan 2020 20:47
Operator : CG/JU
Sample : L1213-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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-BF012020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.333	1399	1402	1407	rVB4	145855	255846	3.52%	0.347%
36	10.463	1420	1424	1426	rBV	727289	669866	9.22%	0.909%
37	10.575	1437	1443	1448	rBV	677213	814546	11.21%	1.105%
38	10.622	1448	1451	1455	rVB2	184679	218512	3.01%	0.296%
39	10.663	1455	1458	1459	rBV3	82052	80663	1.11%	0.109%
40	10.704	1460	1465	1468	rBV	4938944	4639967	63.86%	6.294%
41	10.839	1483	1488	1496	rVB	1286627	1329918	18.30%	1.804%
42	11.039	1520	1522	1528	rVB4	127001	193526	2.66%	0.263%
43	11.304	1563	1567	1573	rVB2	735501	807689	11.12%	1.096%
44	11.398	1580	1583	1586	rBV	2776465	2813362	38.72%	3.816%
45	11.422	1586	1587	1590	rVV	1259321	926625	12.75%	1.257%
46	11.475	1594	1596	1599	rVB	269577	211255	2.91%	0.287%
47	11.628	1619	1622	1624	rBV	150186	163965	2.26%	0.222%
48	11.651	1624	1626	1629	rVB	149583	157214	2.16%	0.213%
49	11.927	1670	1673	1678	rVB	730953	599245	8.25%	0.813%
50	12.016	1685	1688	1696	rVB3	292667	481461	6.63%	0.653%
51	12.457	1760	1763	1766	rVB	141731	144919	1.99%	0.197%
52	12.616	1787	1790	1793	rBV	911424	728850	10.03%	0.989%
53	12.657	1795	1797	1800	rBV	134621	107734	1.48%	0.146%
54	12.710	1804	1806	1809	rBV3	145279	141958	1.95%	0.193%
55	12.839	1825	1828	1831	rBV	520779	452595	6.23%	0.614%
56	12.986	1849	1853	1856	rBV	6672770	6099167	83.94%	8.274%
57	13.122	1874	1876	1879	rBV	127084	120216	1.65%	0.163%
58	13.416	1924	1926	1928	rBV	284860	253271	3.49%	0.344%
59	13.880	2002	2005	2013	rVB	620694	700029	9.63%	0.950%
60	14.039	2027	2032	2035	rBV	2477126	2578851	35.49%	3.498%
61	14.510	2110	2112	2117	rBV	264833	257251	3.54%	0.349%
62	14.821	2162	2165	2168	rBV	312279	324641	4.47%	0.440%
63	15.163	2220	2223	2233	rVB2	367907	537038	7.39%	0.728%
64	15.515	2278	2283	2286	rBV	1741913	2244016	30.88%	3.044%

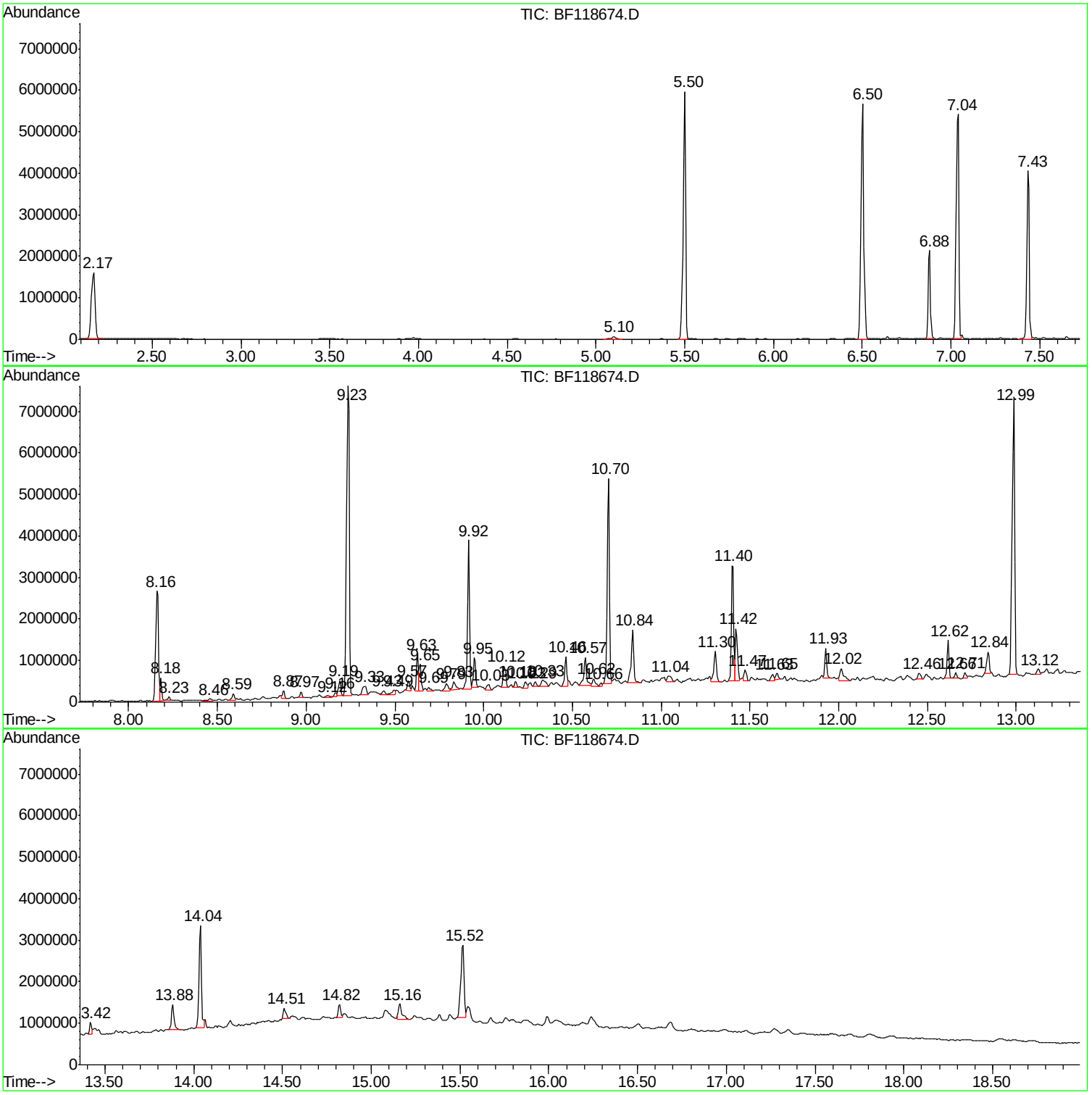
Sum of corrected areas: 73719175

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012220\
Data File : BF118674.D
Acq On : 22 Jan 2020 20:47
Operator : CG/JU
Sample : L1213-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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\BF012220\
Data File : BF118674.D
Acq On : 22 Jan 2020 20:47
Operator : CG/JU
Sample : L1213-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

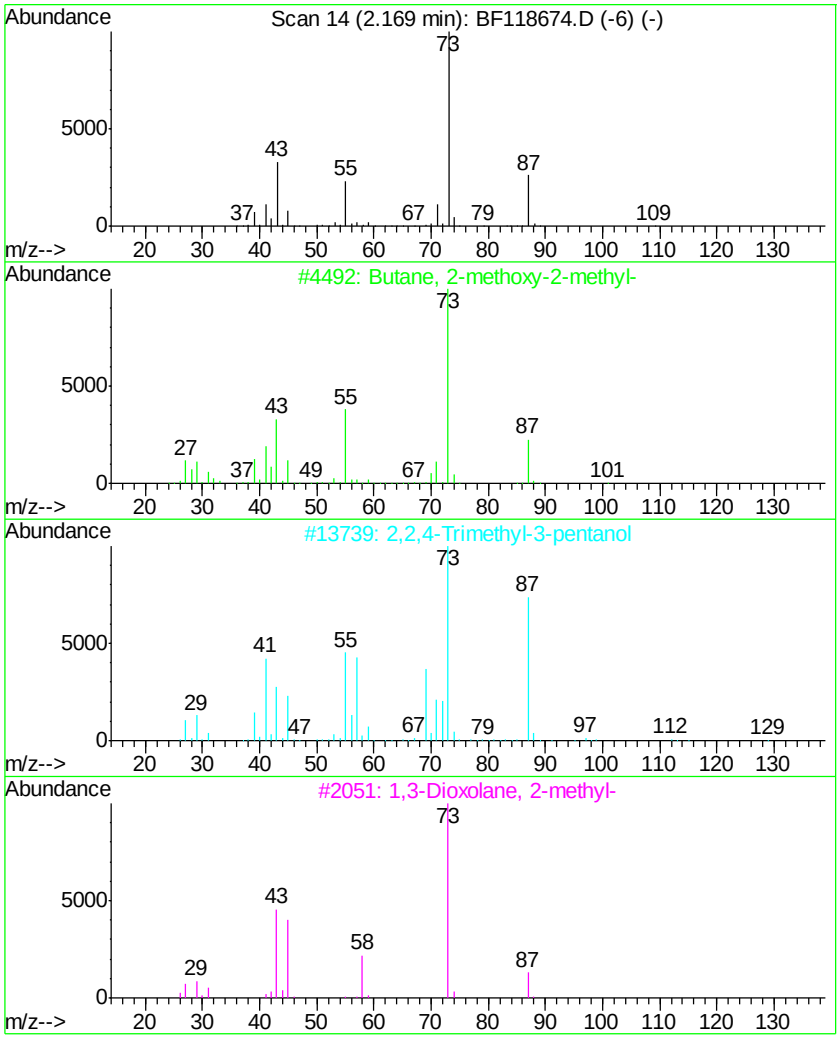
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

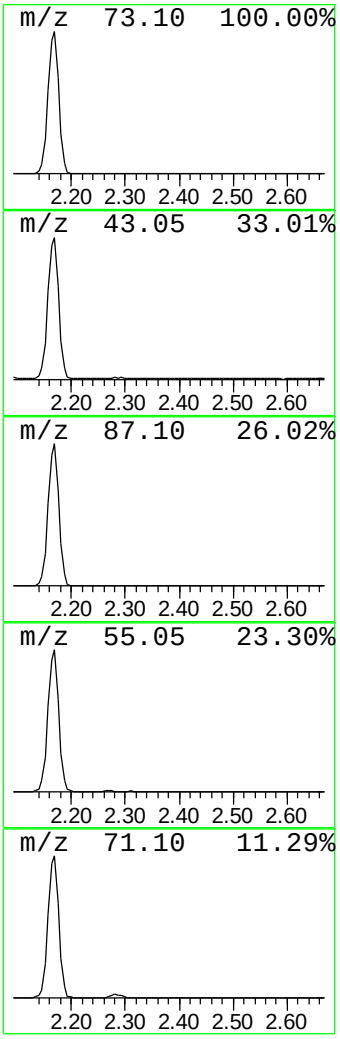
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	23.24 ng	2206460	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012220\
Data File : BF118674.D
Acq On : 22 Jan 2020 20:47
Operator : CG/JU
Sample : L1213-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

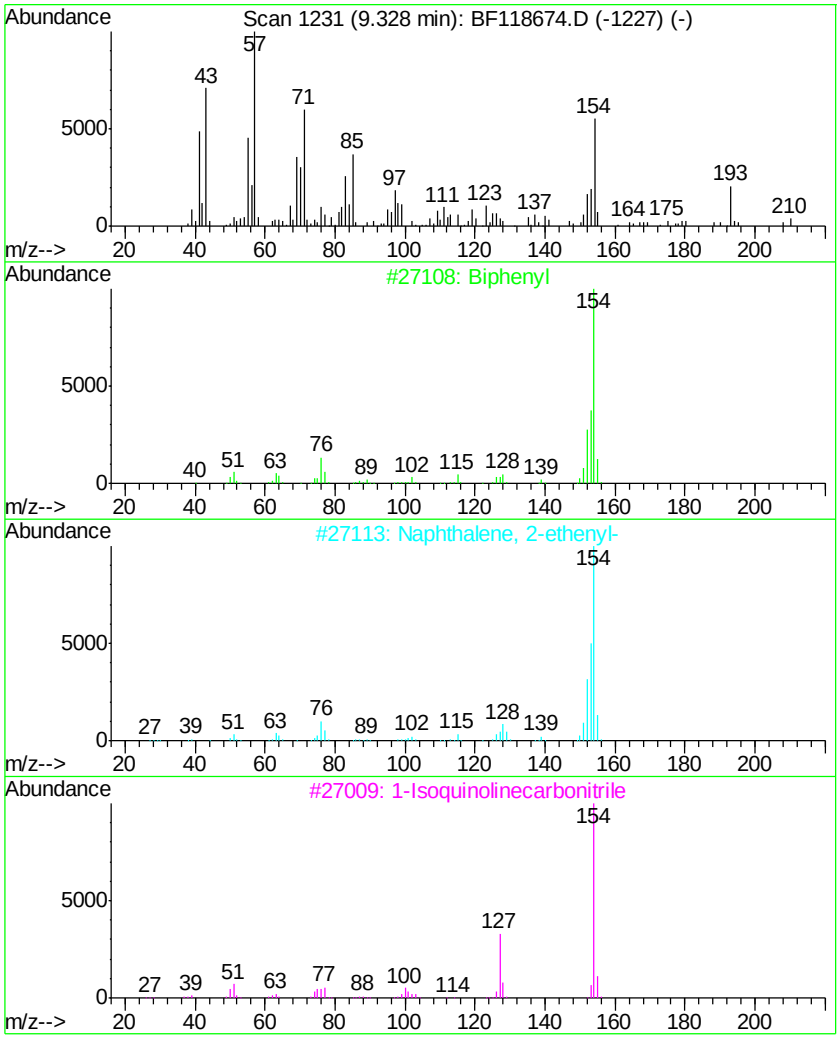
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

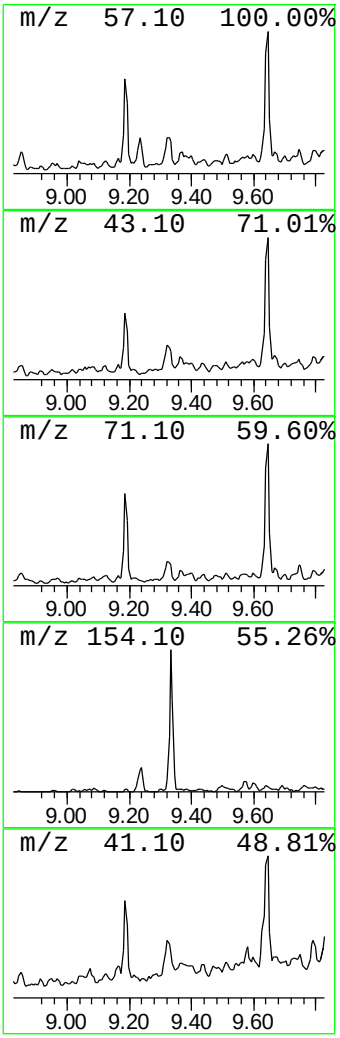
****

Peak Number 3 Biphenyl Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	2.02 ng	316536	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl	154	C12H10	000092-52-4	78
2	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	60
3	1-Isoquinolinecarbonitrile	154	C10H6N2	001198-30-7	35
4	5-Nitroso-2,4,6-triaminopyrimidine	154	C4H6N6O	001006-23-1	27
5	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	14





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012220\
Data File : BF118674.D
Acq On : 22 Jan 2020 20:47
Operator : CG/JU
Sample : L1213-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

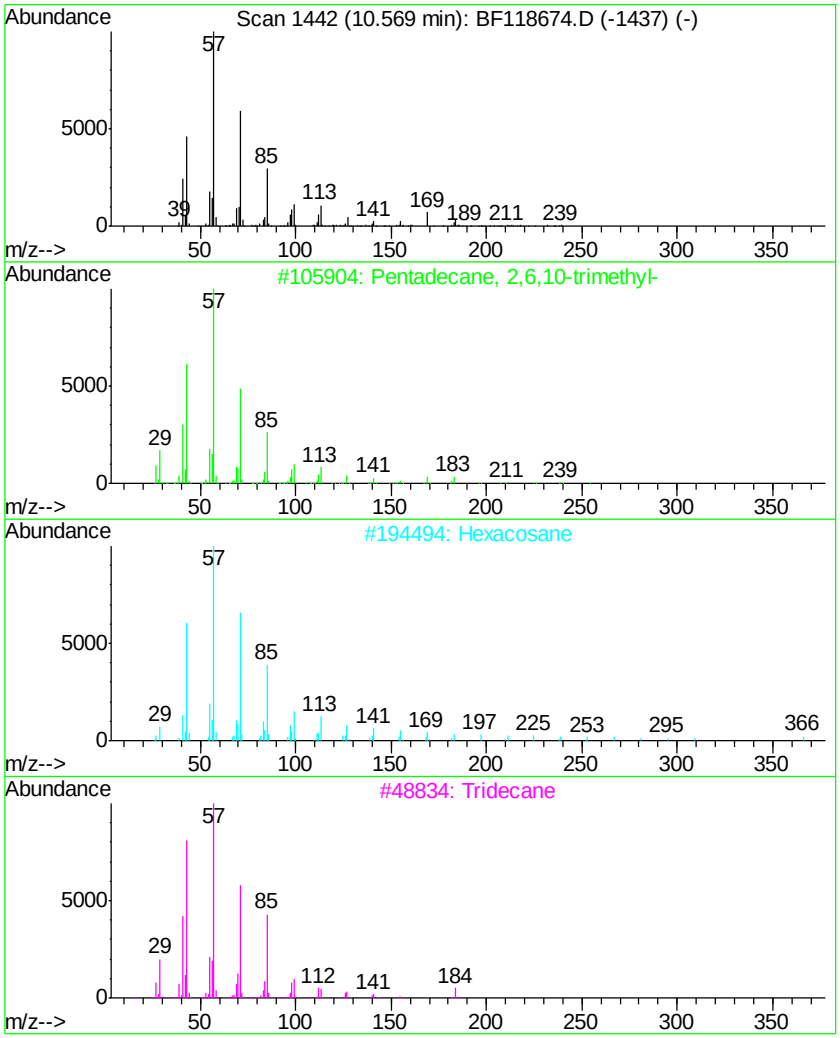
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

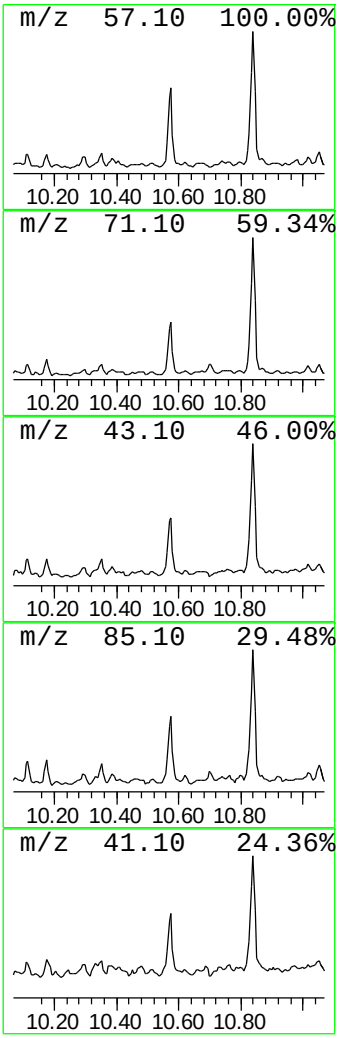
****

Peak Number 4 Pentadecane, 2,6,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	5.19 ng	814546	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	80
2	Hexacosane	366	C26H54	000630-01-3	80
3	Tridecane	184	C13H28	000629-50-5	74
4	Octadecane	254	C18H38	000593-45-3	72
5	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012220\
Data File : BF118674.D
Acq On : 22 Jan 2020 20:47
Operator : CG/JU
Sample : L1213-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

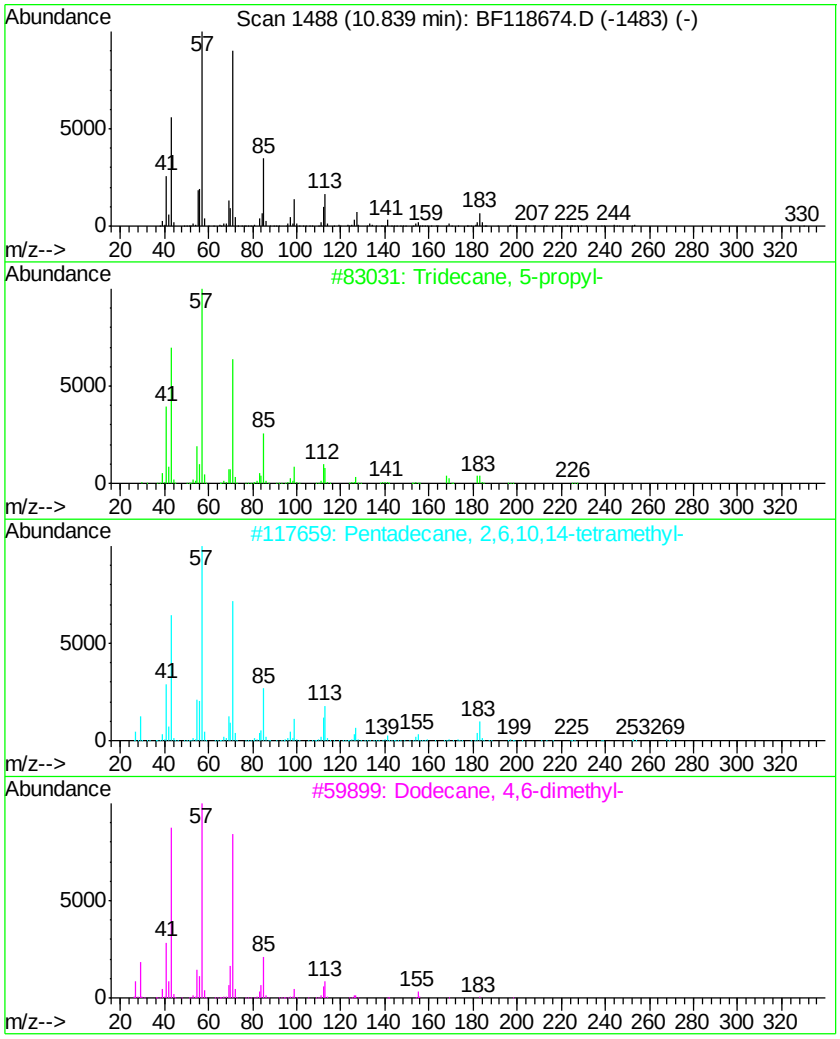
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

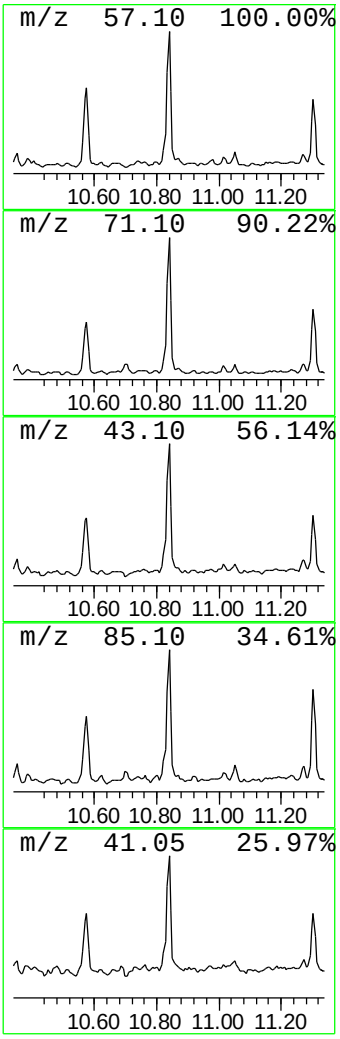
****

Peak Number 5 Tridecane, 5-propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	9.45 ng	1329920	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	93
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	87
3	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	83
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
5	Tridecane, 4-methyl-	198	C14H30	026730-12-1	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012220\
Data File : BF118674.D
Acq On : 22 Jan 2020 20:47
Operator : CG/JU
Sample : L1213-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

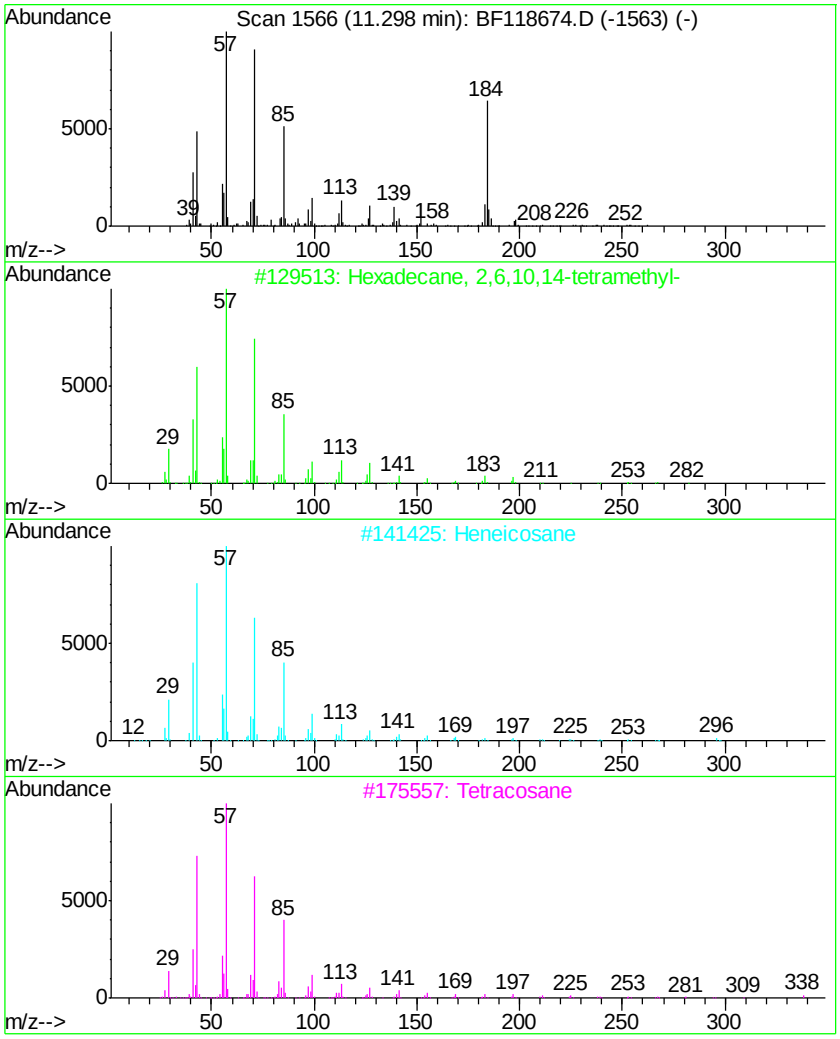
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

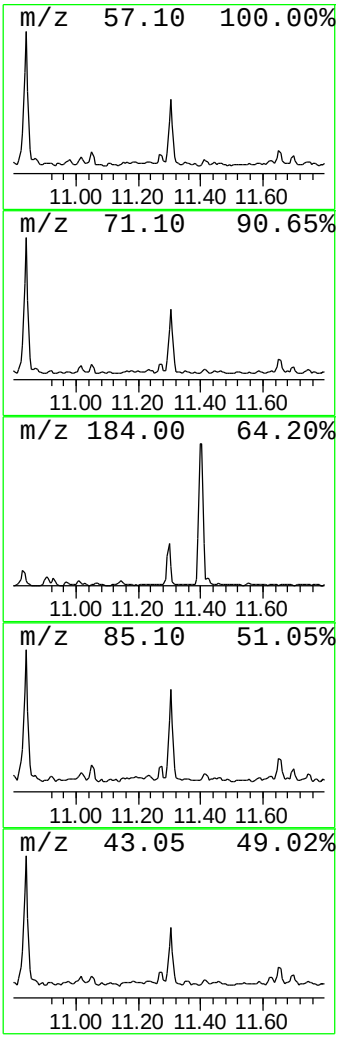
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Hexadecane, 2,6,10,14-tetra... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	5.74 ng	807689	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	87
2	Heneicosane	296	C21H44	000629-94-7	86
3	Tetracosane	338	C24H50	000646-31-1	86
4	Octacosane	394	C28H58	000630-02-4	86
5	Pentadecane, 4-methyl-	226	C16H34	002801-87-8	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012220\
Data File : BF118674.D
Acq On : 22 Jan 2020 20:47
Operator : CG/JU
Sample : L1213-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

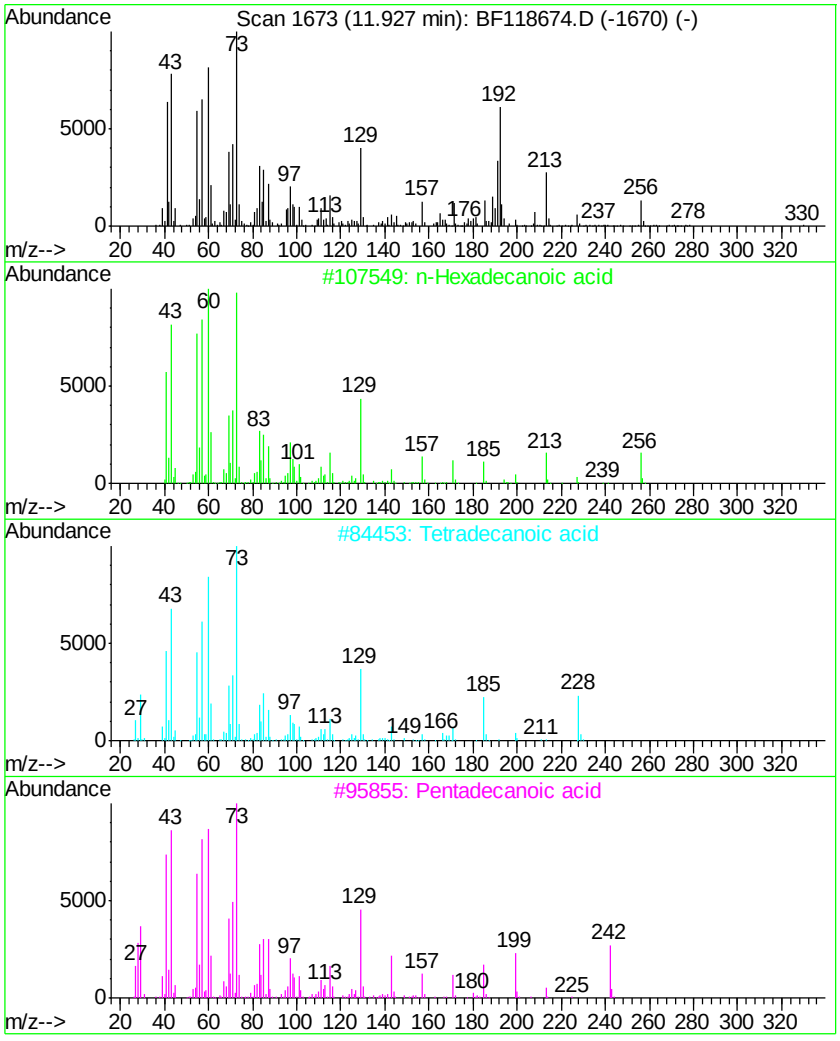
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

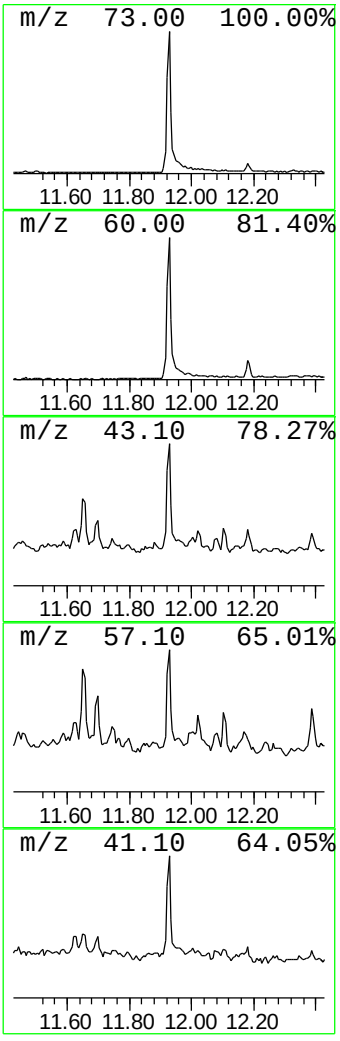
****

Peak Number 7 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	4.26 ng	599245	Phenanthrene-d10	11.40

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	76
4	Tridecanoic acid	214	C13H26O2	000638-53-9	70
5	Octadecanoic acid	284	C18H36O2	000057-11-4	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012220\
Data File : BF118674.D
Acq On : 22 Jan 2020 20:47
Operator : CG/JU
Sample : L1213-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

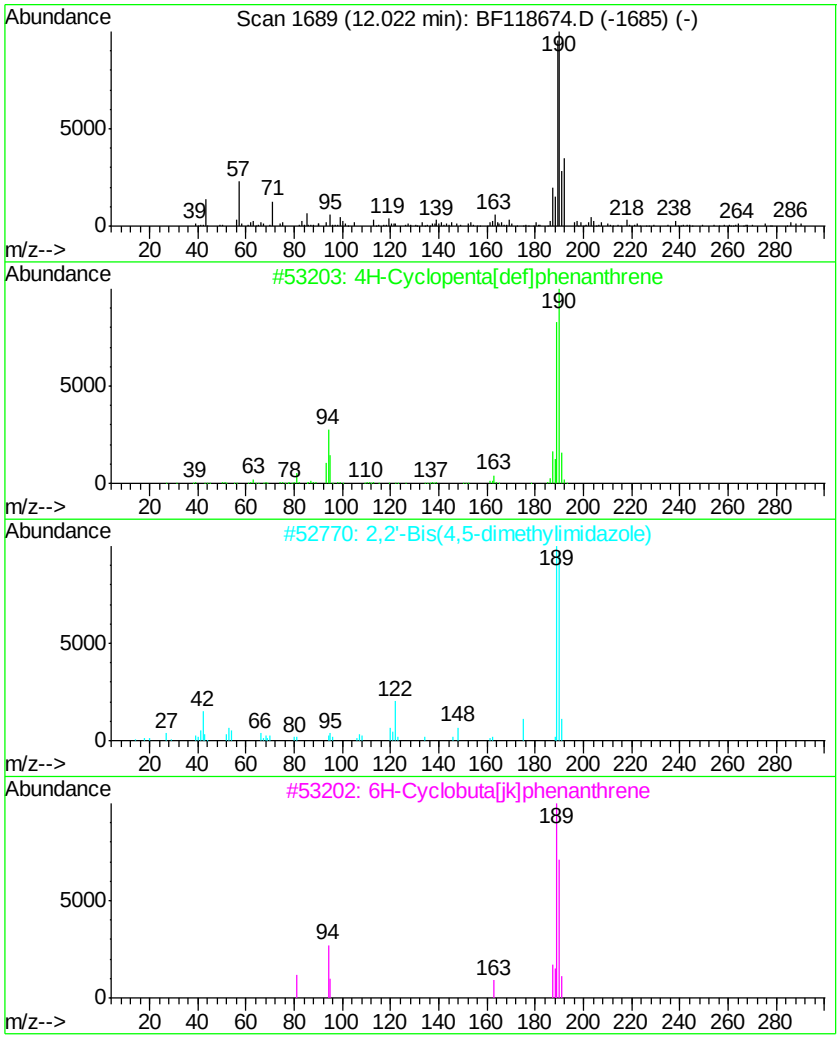
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

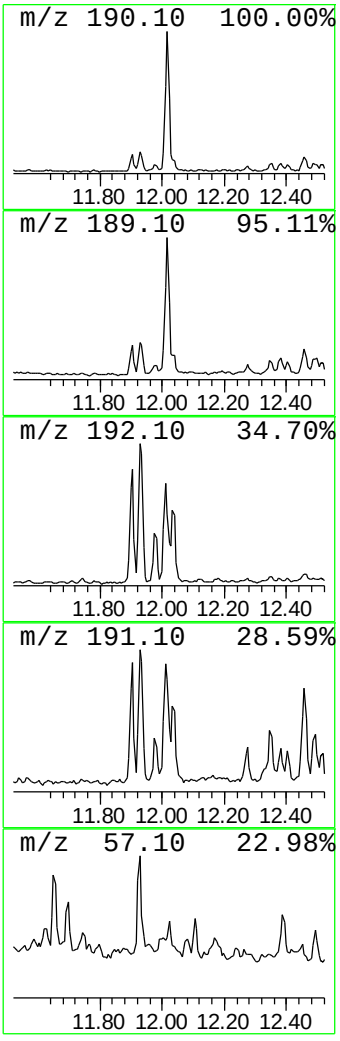
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	3.42 ng	481461	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	52
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	Benzo[1,2-b:4,3-b']dithiophene	190	C10H6S2	000210-80-0	27
5	Pyrimidine, 2-chloro-5-phenyl-	190	C10H7ClN2	022536-62-5	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012220\
Data File : BF118674.D
Acq On : 22 Jan 2020 20:47
Operator : CG/JU
Sample : L1213-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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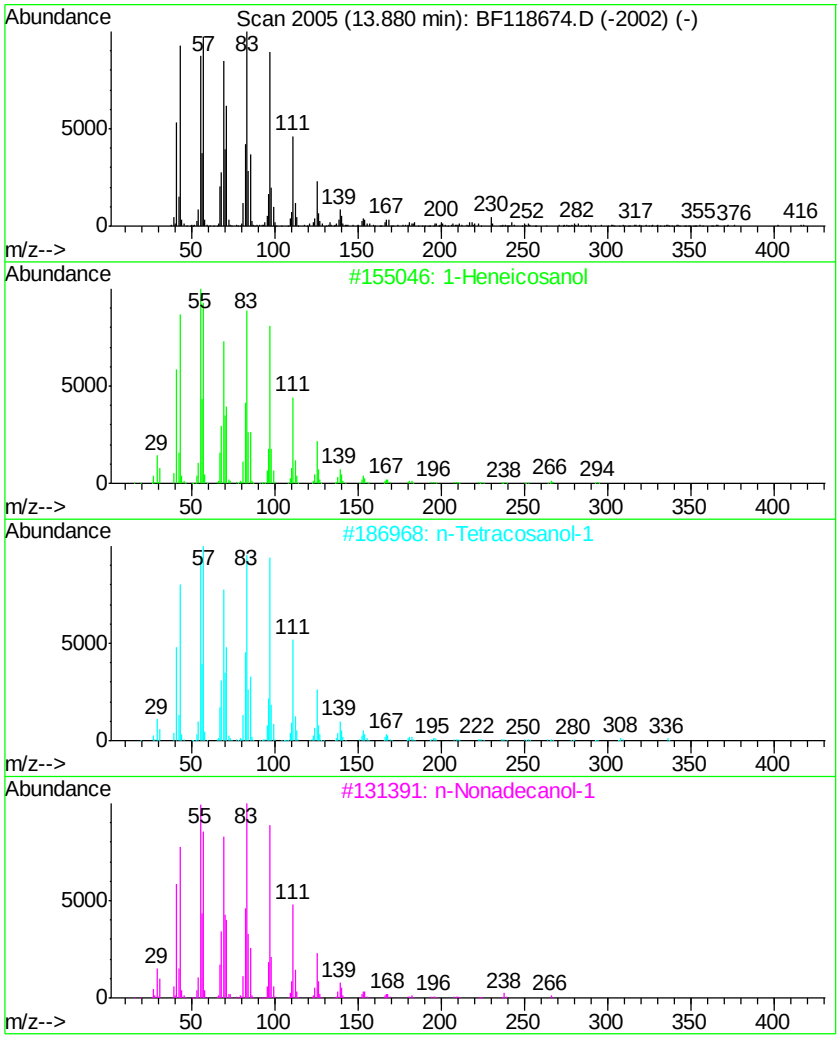
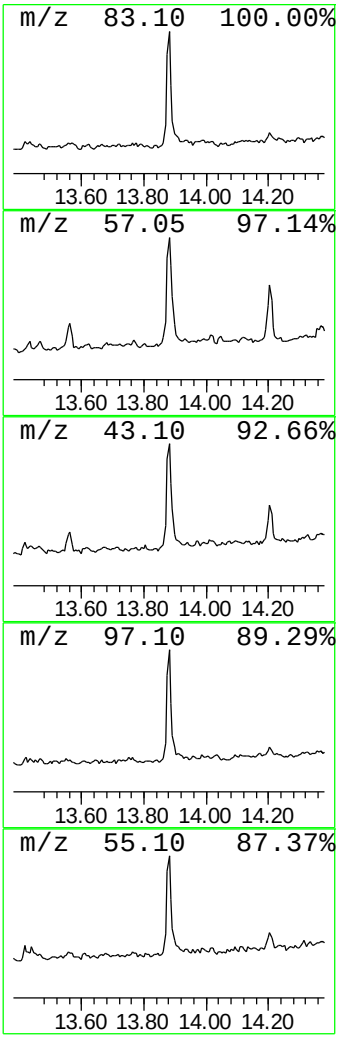
Peak Number 9 1-Heneicosanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	5.43 ng	700029	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	95
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
3	n-Nonadecanol-1	284	C19H40O	001454-84-8	94
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
5	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012220\
Data File : BF118674.D
Acq On : 22 Jan 2020 20:47
Operator : CG/JU
Sample : L1213-03
Misc :
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Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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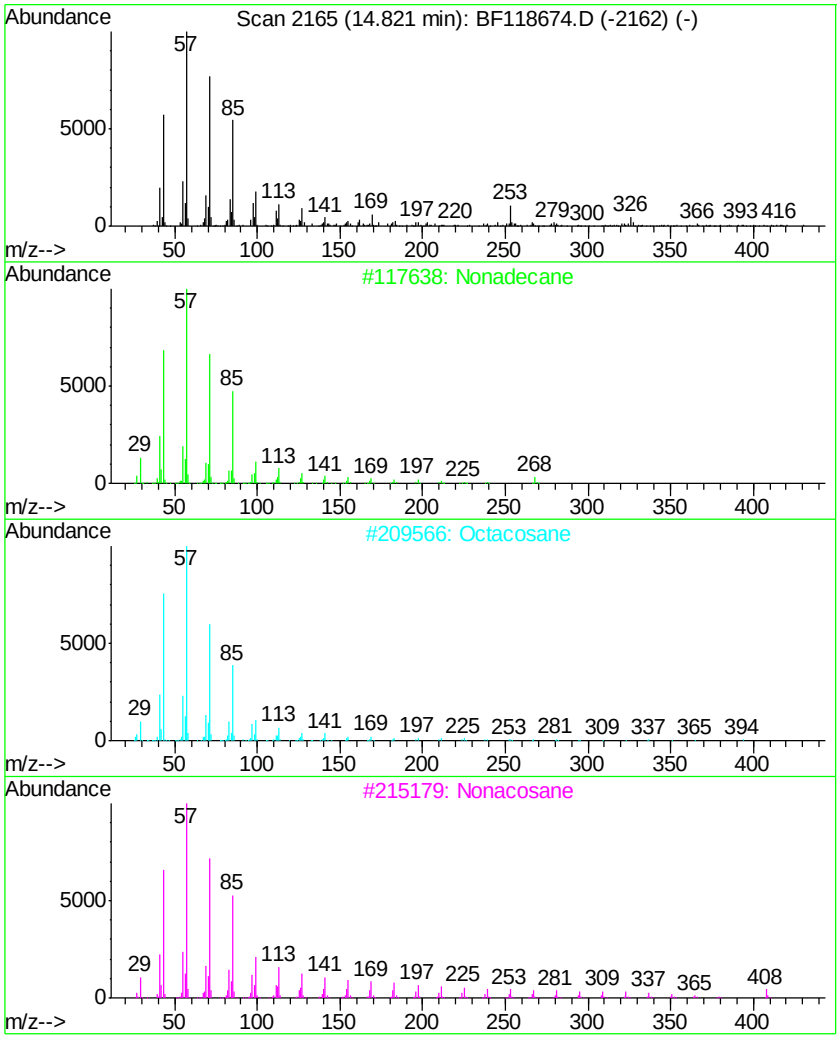
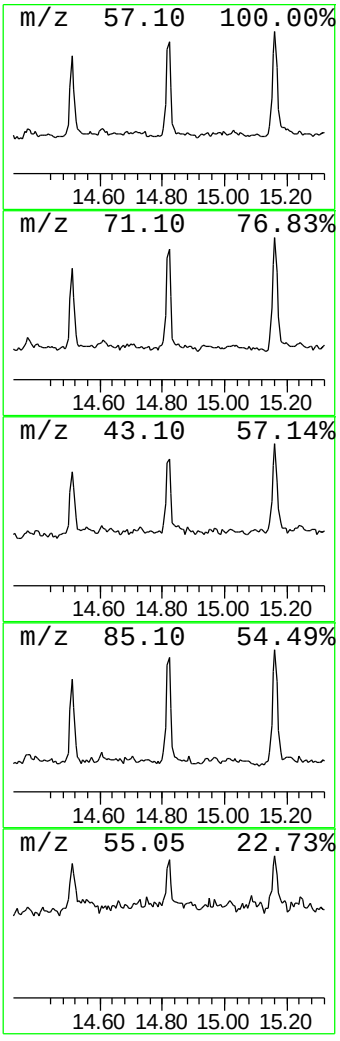
Peak Number 10 Nonadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	2.89 ng	324641	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Octacosane	394	C28H58	000630-02-4	93
3	Nonacosane	408	C29H60	000630-03-5	93
4	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012220\
Data File : BF118674.D
Acq On : 22 Jan 2020 20:47
Operator : CG/JU
Sample : L1213-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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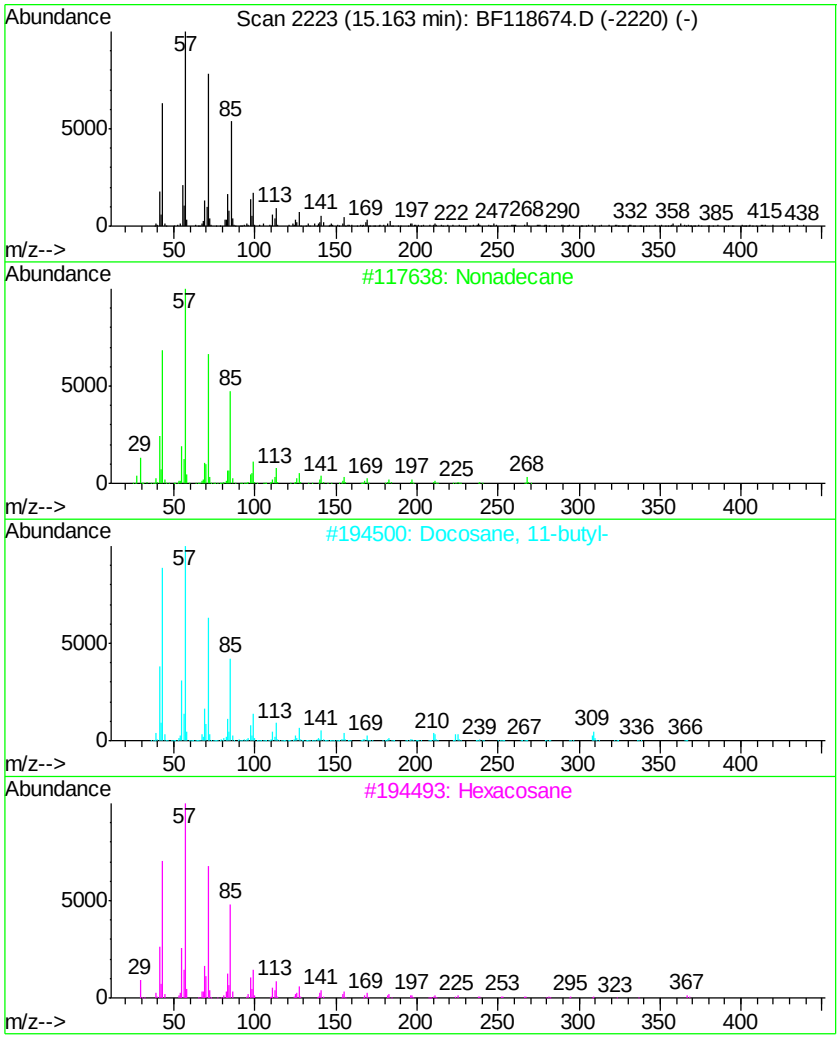
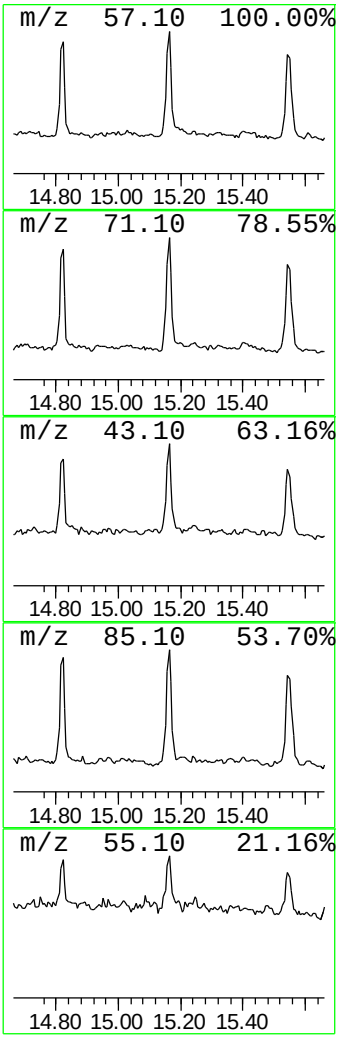
Peak Number 11 Docosane, 11-butyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	4.79 ng	537038	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Docosane, 11-butyl-	366	C26H54	013475-76-8	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	2-methyloctacosane	408	C29H60	1000376-72-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012220\
Data File : BF118674.D
Acq On : 22 Jan 2020 20:47
Operator : CG/JU
Sample : L1213-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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
Butane, 2-methoxy...	2.17	23.2	ng	2206460	1	6.88	1898660	20.0
Biphenyl	9.33	2.0	ng	316536	3	9.92	3136810	20.0
Pentadecane, 2,6,...	10.57	5.2	ng	814546	3	9.92	3136810	20.0
Tridecane, 5-propyl-	10.84	9.4	ng	1329920	4	11.40	2813360	20.0
Hexadecane, 2,6,1...	11.30	5.7	ng	807689	4	11.40	2813360	20.0
n-Hexadecanoic acid	11.93	4.3	ng	599245	4	11.40	2813360	20.0
4H-Cyclopenta[def...	12.02	3.4	ng	481461	4	11.40	2813360	20.0
1-Heneicosanol	13.88	5.4	ng	700029	5	14.04	2578850	20.0
Nonadecane	14.82	2.9	ng	324641	6	15.52	2244020	20.0
Docosane, 11-butyl-	15.16	4.8	ng	537038	6	15.52	2244020	20.0