LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115529.D
Acq On : 12 Jul 2019 16:36
Operator : HP/JU
Sample : K3761-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-DRUM

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-BF071219.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	2.216	13	22	30	rVB	1782206	2495153	60.10%	5.316%
2	5.510	576	582	585	rBV	3642411	3806296	91.68%	8.110%
3	6.516	745	753	760	rBV	3348392	4151689	100.00%	8.846%
4	6.657	771	777	780	rBV	4035703	4082737	98.34%	8.699%
5	6.728	784	789	792	rVB2	49507	42750	1.03%	0.091%
6	6.881	812	815	819	rBV	1102558	930449	22.41%	1.982%
7	6.945	823	826	831	rBV	58983	56618	1.36%	0.121%
8	7.040	838	842	846	rBV	3324548	3032519	73.04%	6.461%
9	7.440	903	910	913	rBV	2456307	2517403	60.64%	5.364%
10	7.487	915	918	921	rVB	52236	47725	1.15%	0.102%
11	7.692	950	953	956	rVB	53582	47168	1.14%	0.100%
12	8.075	1014	1018	1021	rBV2	49879	52372	1.26%	0.112%
13	8.163	1028	1033	1037	rVB	1395799	1400178	33.73%	2.983%
14	8.228	1041	1044	1047	rVB2	98870	111640	2.69%	0.238%
15	8.263	1047	1050	1058	rBV5	41751	100683	2.43%	0.215%
16	8.410	1071	1075	1077	rVB4	39169	45767	1.10%	0.098%
17	8.463	1077	1084	1086	rBV2	144116	194248	4.68%	0.414%
18	8.516	1090	1093	1095	rVB	92974	74867	1.80%	0.160%
19	8.545	1095	1098	1102	rBV2	115333	122599	2.95%	0.261%
20	8.592	1102	1106	1108	rBV	237947	229204	5.52%	0.488%
21	8.675	1116	1120	1123	rBV2	44432	55567	1.34%	0.118%
22	8.716	1123	1127	1129	rBV4	68988	88305	2.13%	0.188%
23	8.763	1131	1135	1138	rBV	908899	759185	18.29%	1.618%
24	8.857	1148	1151	1154	rVB2	127899	153124	3.69%	0.326%
25	8.945	1163	1166	1169	rBV3	64449	69651	1.68%	0.148%
26	9.045	1180	1183	1187	rBV3	170975	263968	6.36%	0.562%
27	9.128	1194	1197	1200	rBV	226324	198719	4.79%	0.423%
28	9.169	1200	1204	1206	rVV	187746	185415	4.47%	0.395%
29	9.192	1206	1208	1211	rVB	444402	330630	7.96%	0.704%
30	9.239	1211	1216	1220	rBV	3929950	4046054	97.46%	8.620%
31	9.286	1220	1224	1227	rVB3	57708	55412	1.33%	0.118%
32	9.328	1227	1231	1236	rBV	1332717	1213583	29.23%	2.586%
33	9.369	1236	1238	1241	rVB3	60068	54889	1.32%	0.117%
34	9.475	1254	1256	1258	rBV3	40759	44649	1.08%	0.095%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115529.D
Acq On : 12 Jul 2019 16:36
Operator : HP/JU
Sample : K3761-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-DRUM

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-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.581	1272	1274	1276	rBV2	60123	52187	1.26%	0.111%
36	9.628	1279	1282	1284	rVV	563314	564922	13.61%	1.204%
37	9.651	1284	1286	1288	rVV	296329	269150	6.48%	0.573%
38	9.669	1288	1289	1293	rVV	113521	67028	1.61%	0.143%
39	9.704	1293	1295	1297	rVB	83934	61774	1.49%	0.132%
40	9.798	1307	1311	1313	rBV3	39204	57714	1.39%	0.123%
41	9.857	1313	1321	1324	rVV	618511	627207	15.11%	1.336%
42	9.922	1328	1332	1337	rVB	1444556	1386925	33.41%	2.955%
43	10.086	1357	1360	1363	rBV3	46475	62752	1.51%	0.134%
44	10.116	1363	1365	1368	rVV	67609	57748	1.39%	0.123%
45	10.181	1372	1376	1379	rVV4	83935	112024	2.70%	0.239%
46	10.357	1403	1406	1409	rVB	279191	221524	5.34%	0.472%
47	10.575	1438	1443	1446	rBV	75443	103674	2.50%	0.221%
48	10.704	1460	1465	1469	rBV	2615046	2658121	64.03%	5.663%
49	10.828	1483	1486	1488	rBV	110931	92661	2.23%	0.197%
50	11.404	1580	1584	1587	rBV	1468022	1242839	29.94%	2.648%
51	11.927	1668	1673	1682	rBV2	369751	409401	9.86%	0.872%
52	12.716	1803	1807	1815	rBV	146479	190568	4.59%	0.406%
53	12.986	1849	1853	1857	rBV	3383804	3244039	78.14%	6.912%
54	13.527	1942	1945	1949	rBV	93562	106235	2.56%	0.226%
55	13.563	1949	1951	1955	rVV3	43604	52035	1.25%	0.111%
56	13.886	2002	2006	2018	rVB4	211016	427008	10.29%	0.910%
57	14.039	2028	2032	2047	rVB	987816	975883	23.51%	2.079%
58	14.210	2058	2061	2066	rBV	103176	100388	2.42%	0.214%
59	14.516	2109	2113	2117	rVB	157381	146615	3.53%	0.312%
60	14.821	2162	2165	2175	rVB	227861	275559	6.64%	0.587%
61	15.163	2219	2223	2233	rVB	250817	315764	7.61%	0.673%
62	15.510	2277	2282	2286	rBV2	776066	970207	23.37%	2.067%
63	15.551	2286	2289	2295	rVB	269898	344245	8.29%	0.733%
64	15.992	2359	2364	2370	rBV	203561	319245	7.69%	0.680%
65	16.510	2446	2452	2458	rBV	132681	241810	5.82%	0.515%
66	17.109	2549	2554	2561	rVB2	56986	116835	2.81%	0.249%

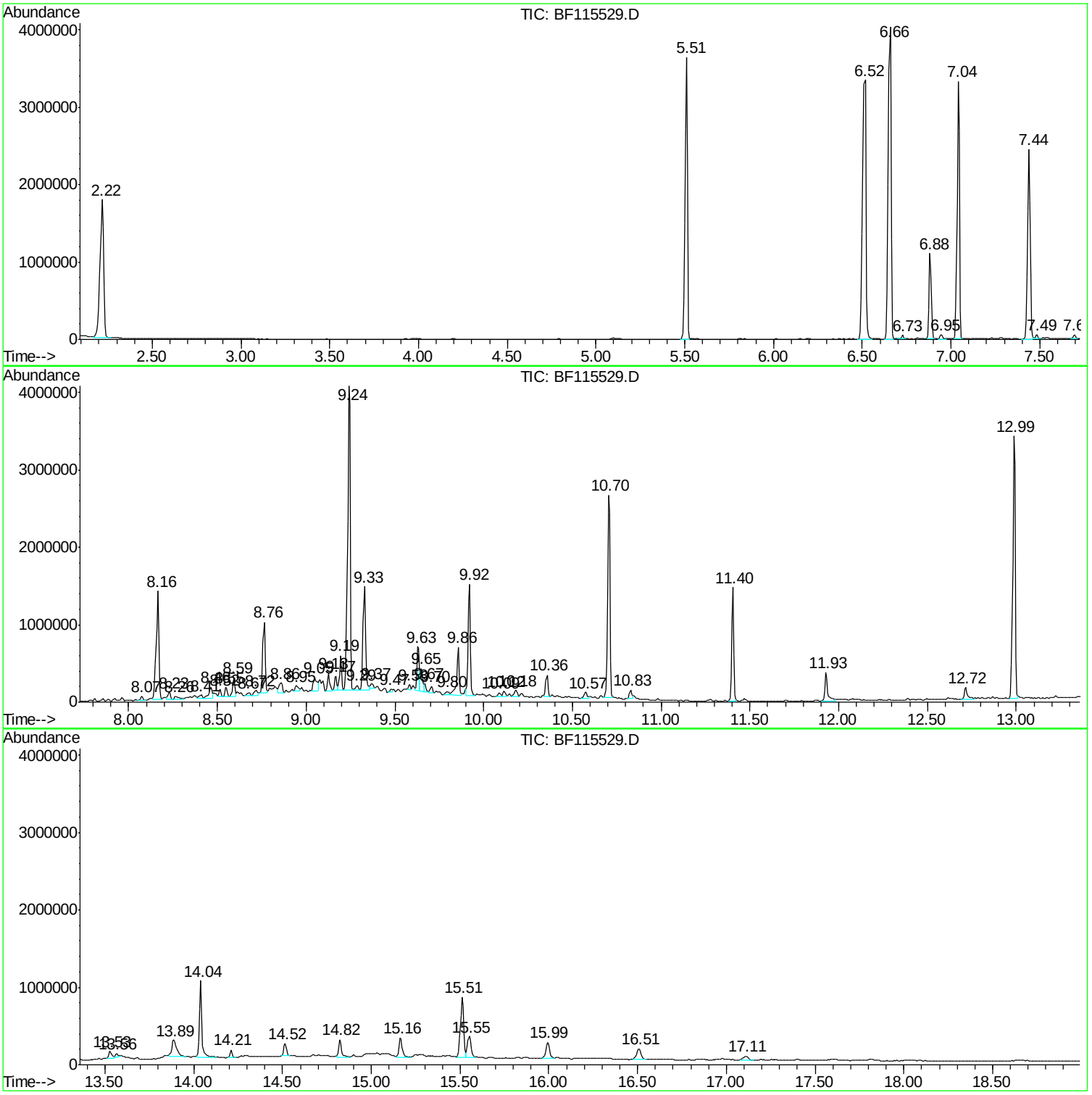
Sum of corrected areas: 46935303

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115529.D
Acq On : 12 Jul 2019 16:36
Operator : HP/JU
Sample : K3761-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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\BF071219\
Data File : BF115529.D
Acq On : 12 Jul 2019 16:36
Operator : HP/JU
Sample : K3761-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

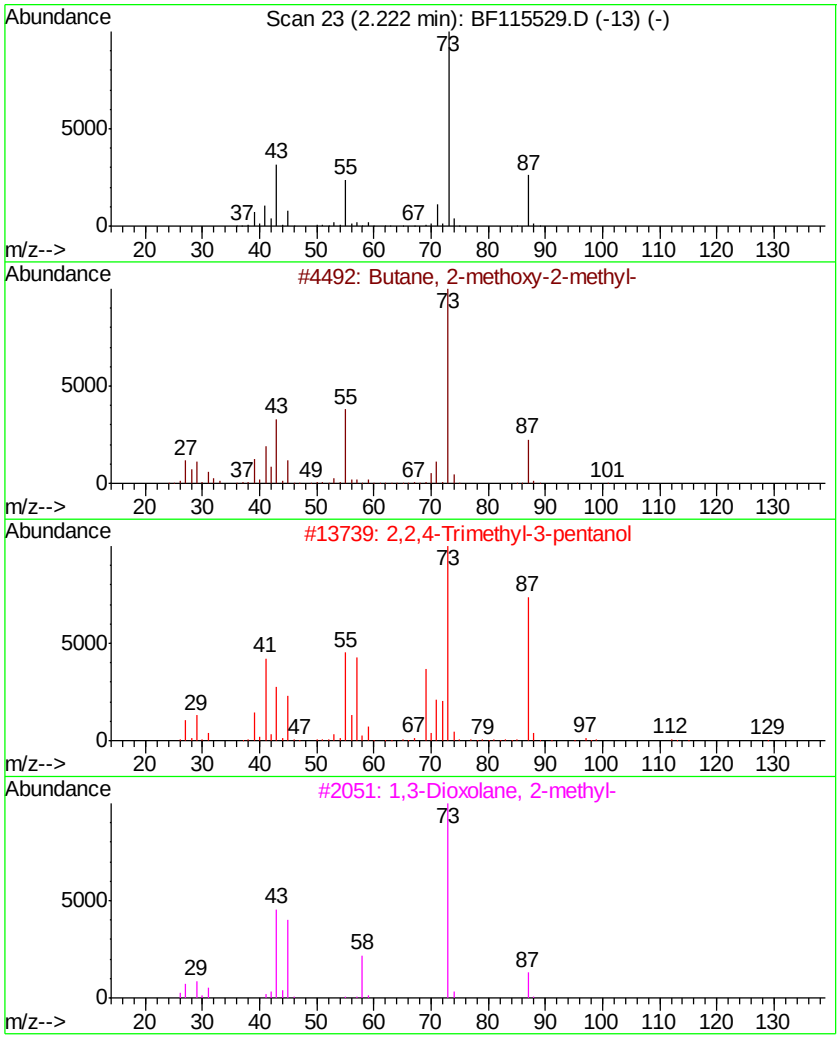
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

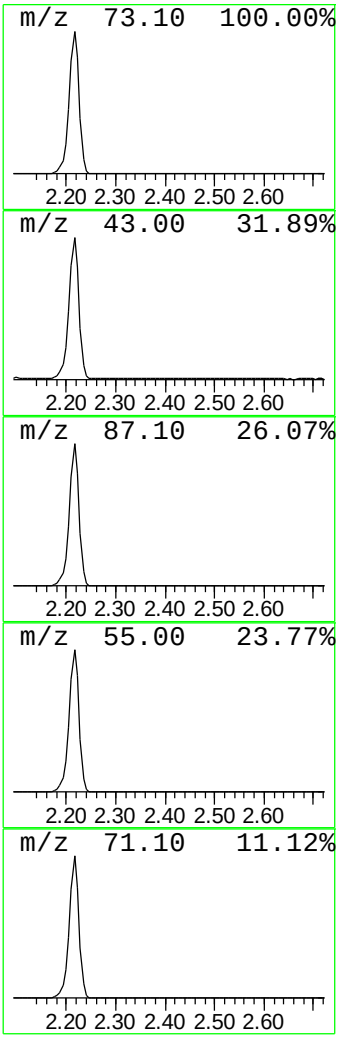
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	53.63 ng	2495150	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\BF071219\
Data File : BF115529.D
Acq On : 12 Jul 2019 16:36
Operator : HP/JU
Sample : K3761-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

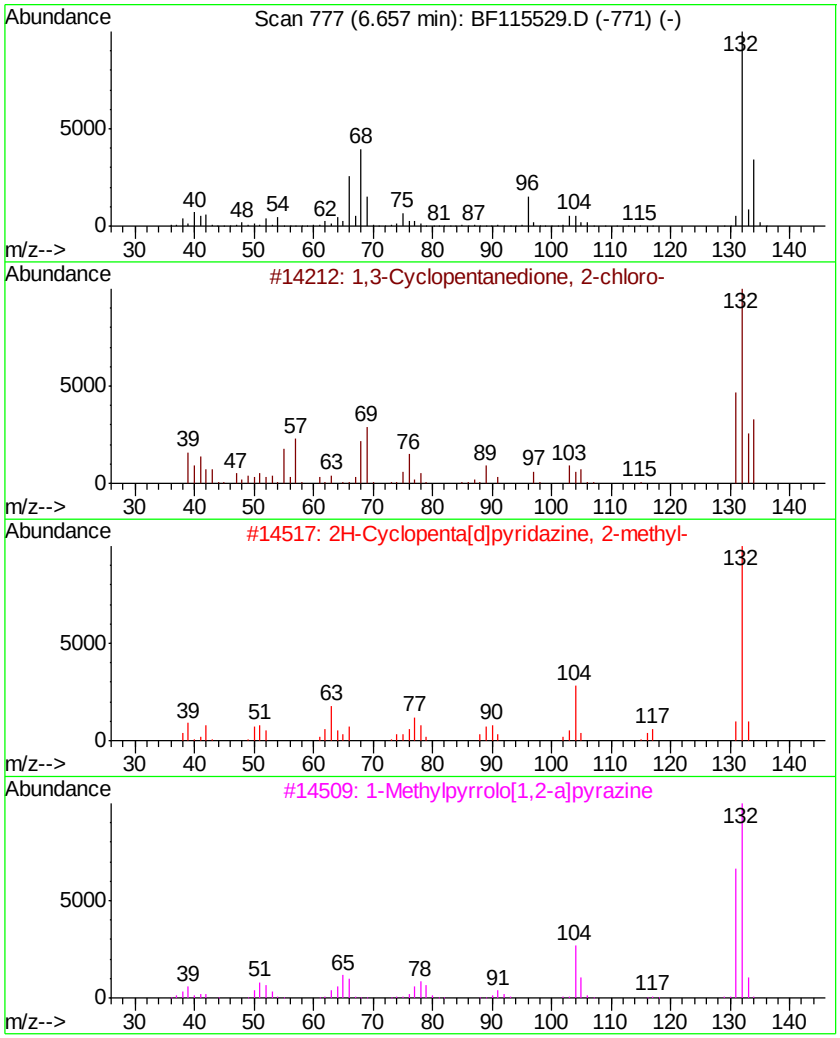
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

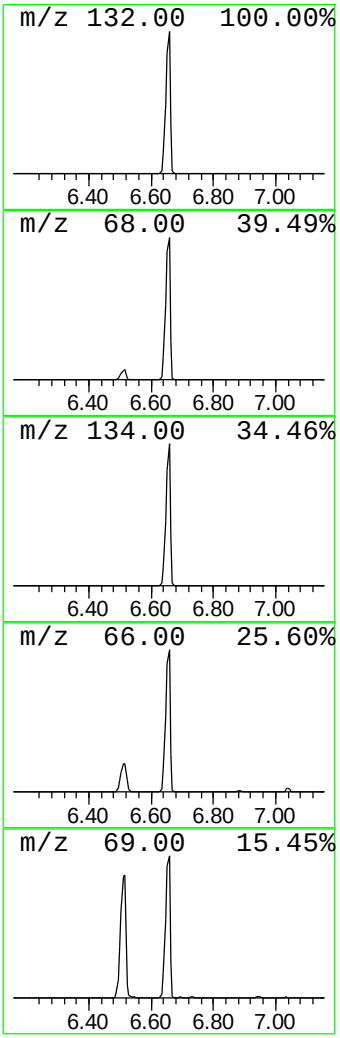
****

Peak Number 2 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	87.76 ng	4082740	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	37
2	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
3	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115529.D
Acq On : 12 Jul 2019 16:36
Operator : HP/JU
Sample : K3761-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

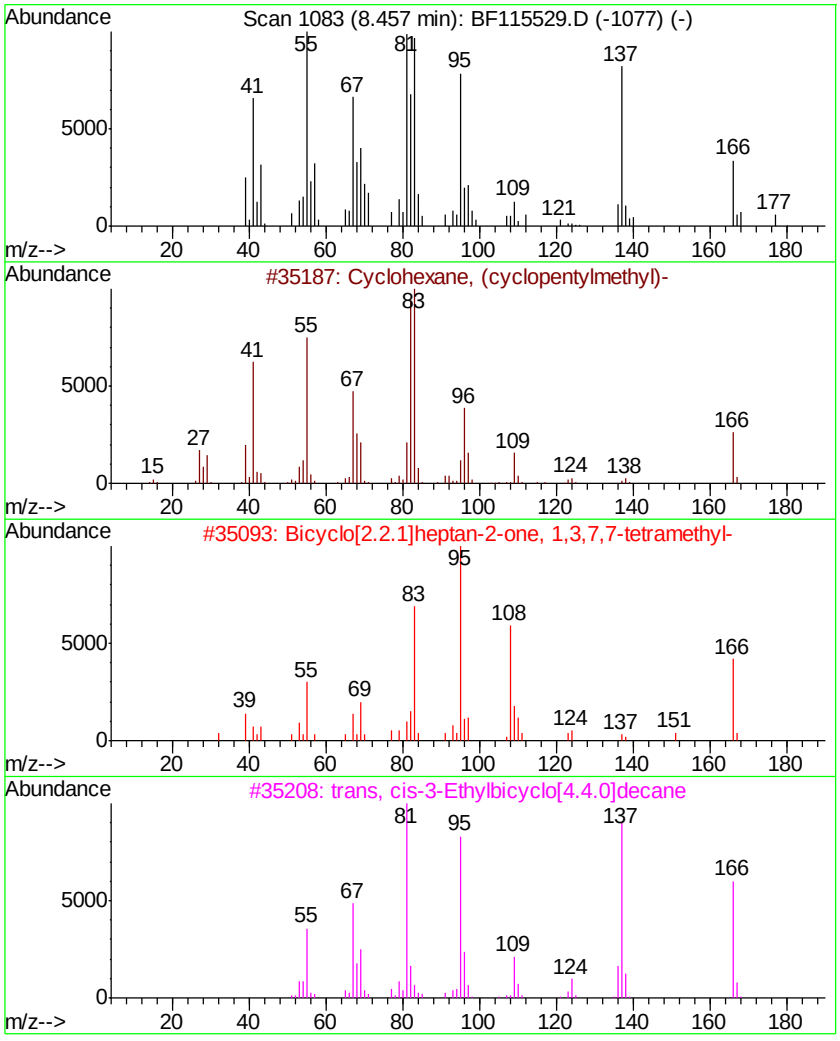
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

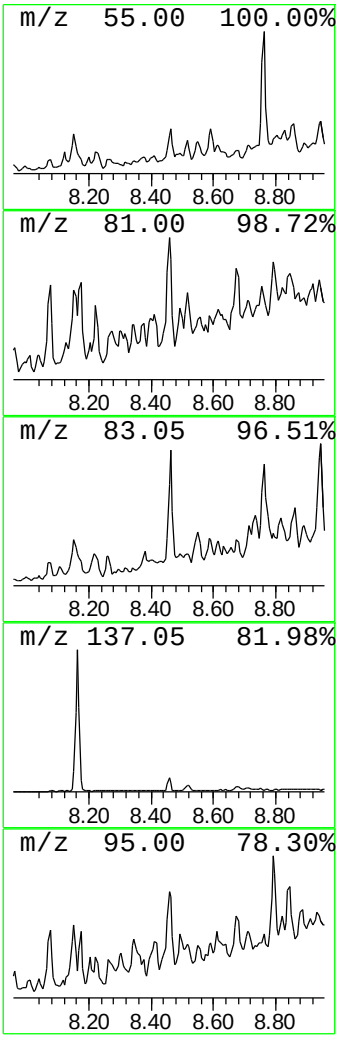
****

Peak Number 4 Cyclohexane, (cyclopentylme... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	2.77 ng	194248	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (cyclopentylmethyl)-	166	C12H22	004431-89-4	60
2	Bicyclo[2.2.1]heptan-2-one, 1,3,...	166	C11H18O	005811-48-3	38
3	trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	38
4	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	27
5	1,1'-Bicyclohexyl	166	C12H22	000092-51-3	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115529.D
Acq On : 12 Jul 2019 16:36
Operator : HP/JU
Sample : K3761-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

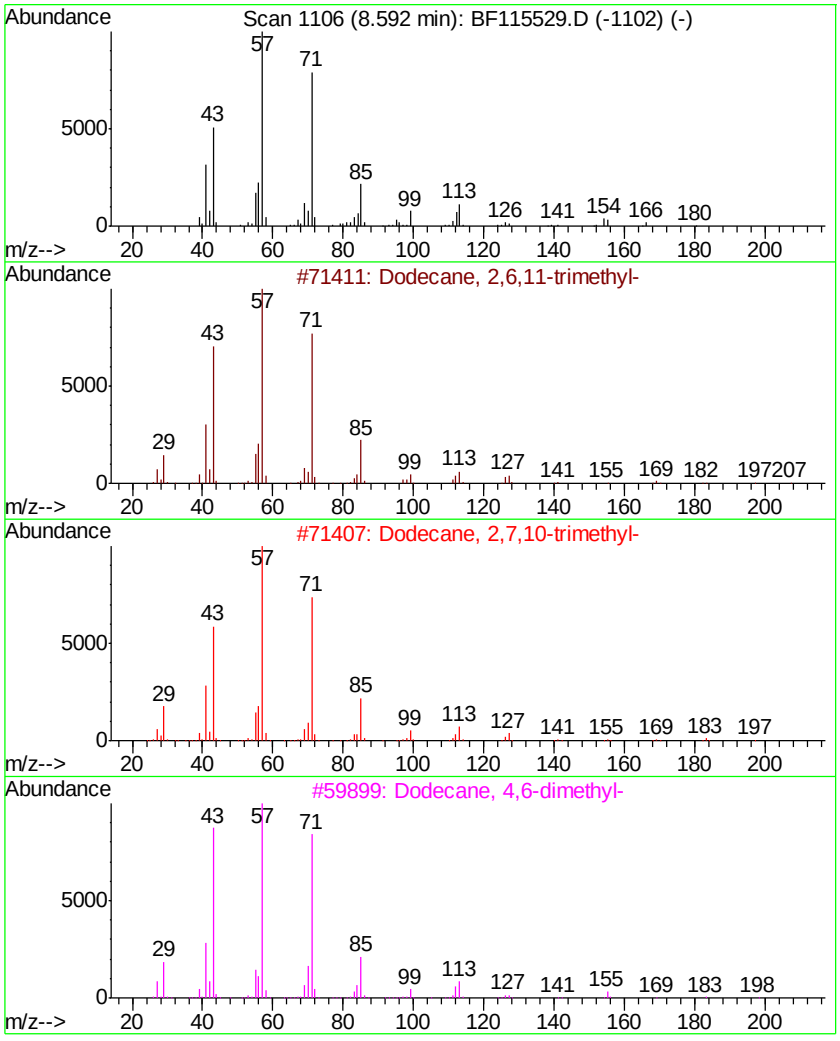
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

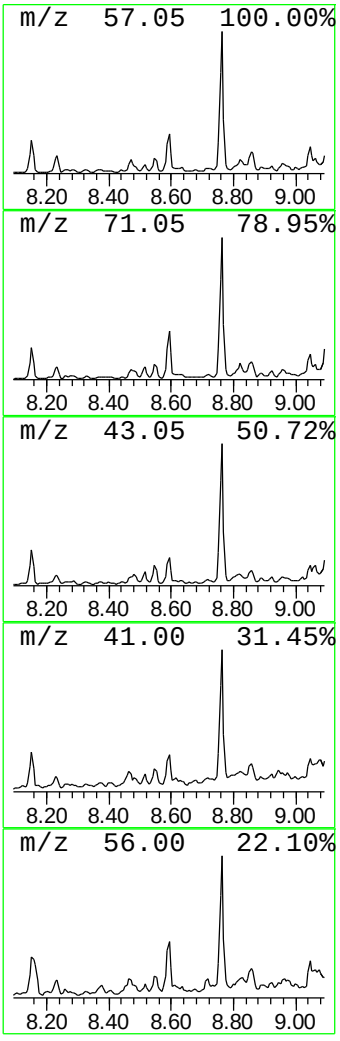
****

Peak Number 5 Dodecane, 2,6,11-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	3.27 ng	229204	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72
4	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	64
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115529.D
Acq On : 12 Jul 2019 16:36
Operator : HP/JU
Sample : K3761-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

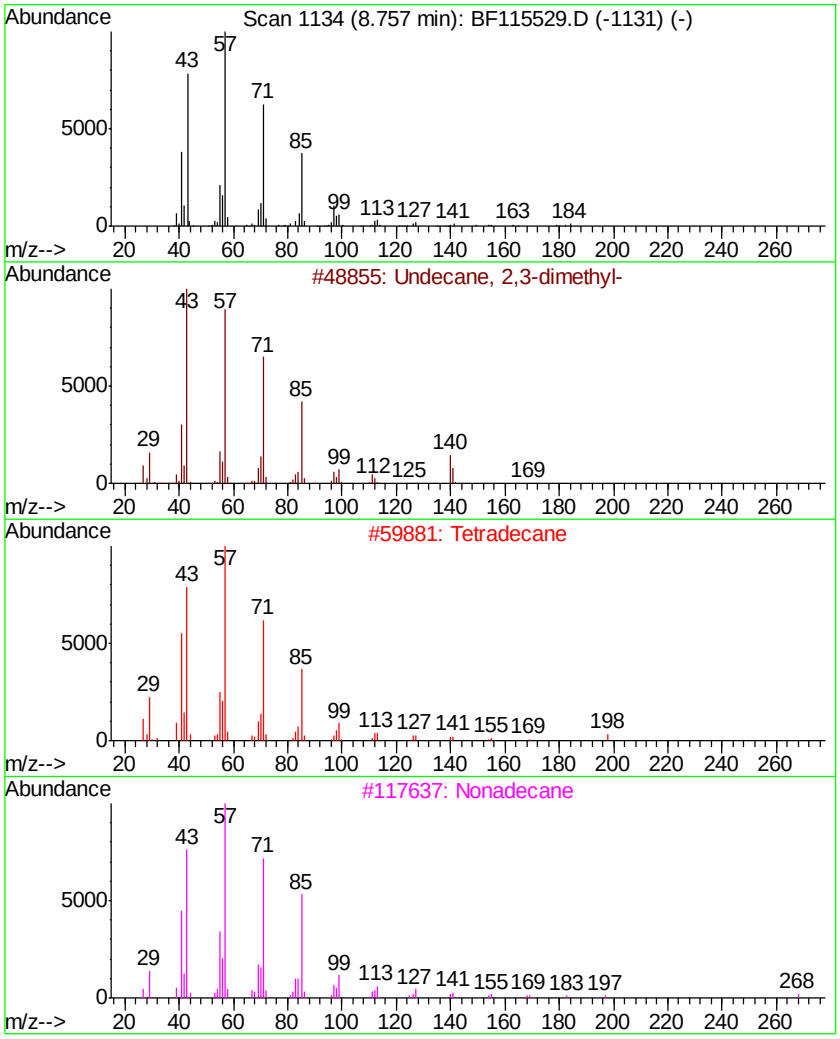
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

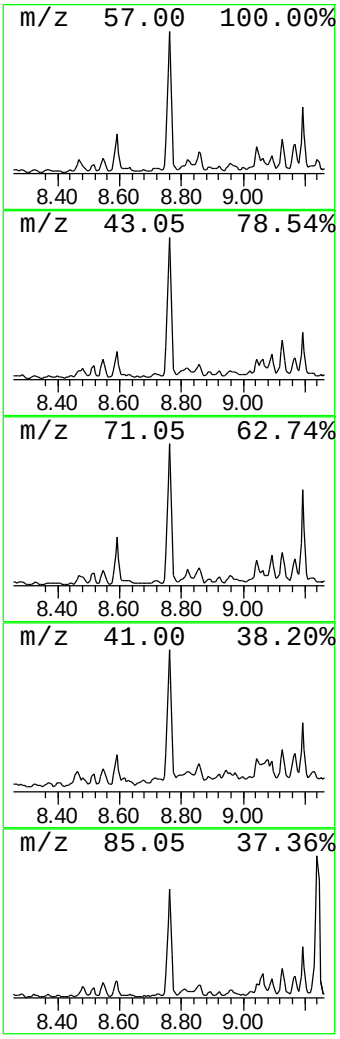
****

Peak Number 6 Undecane, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	10.84 ng	759185	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	90
2	Tetradecane	198	C14H30	000629-59-4	90
3	Nonadecane	268	C19H40	000629-92-5	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115529.D
Acq On : 12 Jul 2019 16:36
Operator : HP/JU
Sample : K3761-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

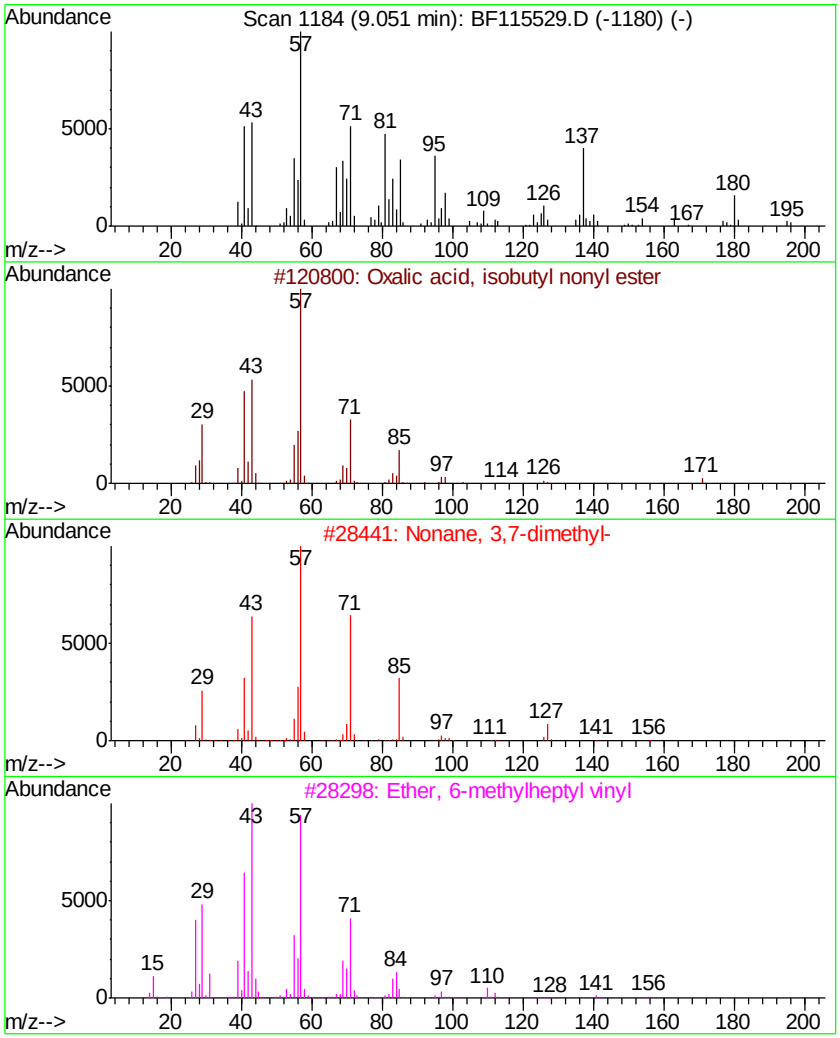
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

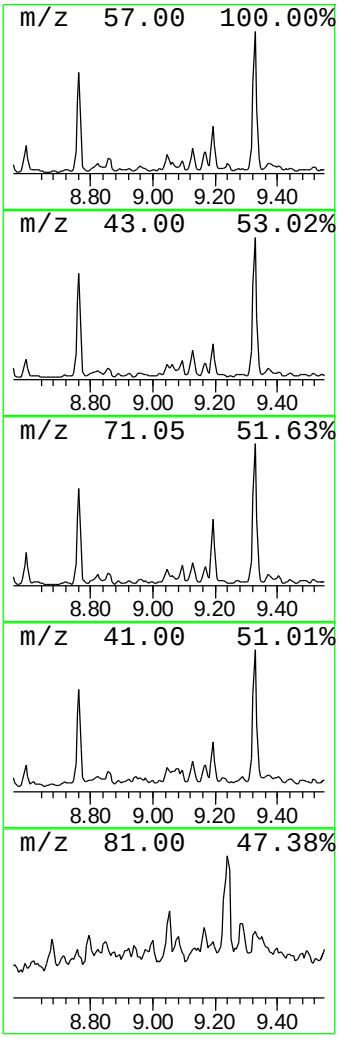
****

Peak Number 7 unknown9.05 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	3.81 ng	263968	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	47
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	47
3	Ether, 6-methylheptyl vinyl	156	C10H20O	010573-35-0	43
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	43
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115529.D
Acq On : 12 Jul 2019 16:36
Operator : HP/JU
Sample : K3761-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

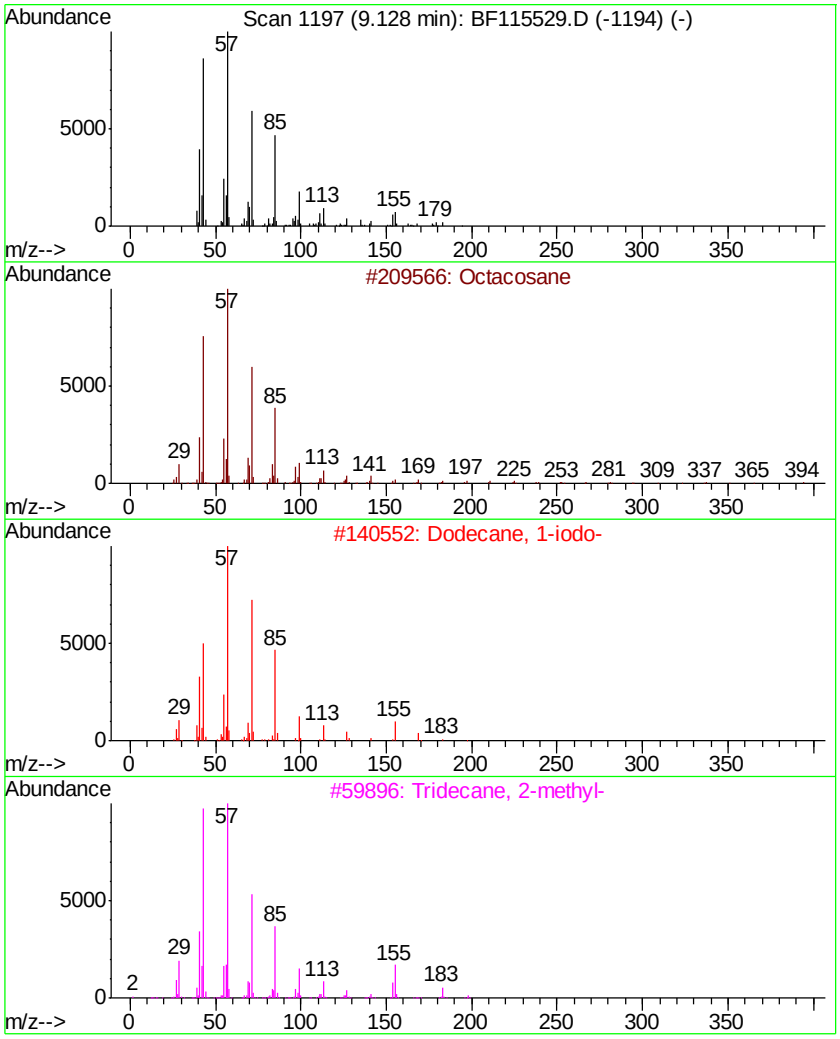
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

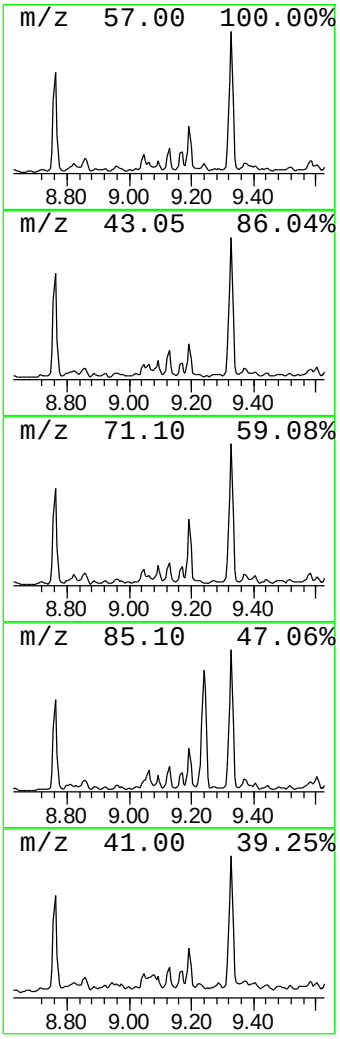
****

Peak Number 8 Octacosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.13	2.87 ng	198719	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	86
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
3	Tridecane, 2-methyl-	198	C14H30	001560-96-9	83
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	80
5	Heptadecane	240	C17H36	000629-78-7	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115529.D
Acq On : 12 Jul 2019 16:36
Operator : HP/JU
Sample : K3761-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

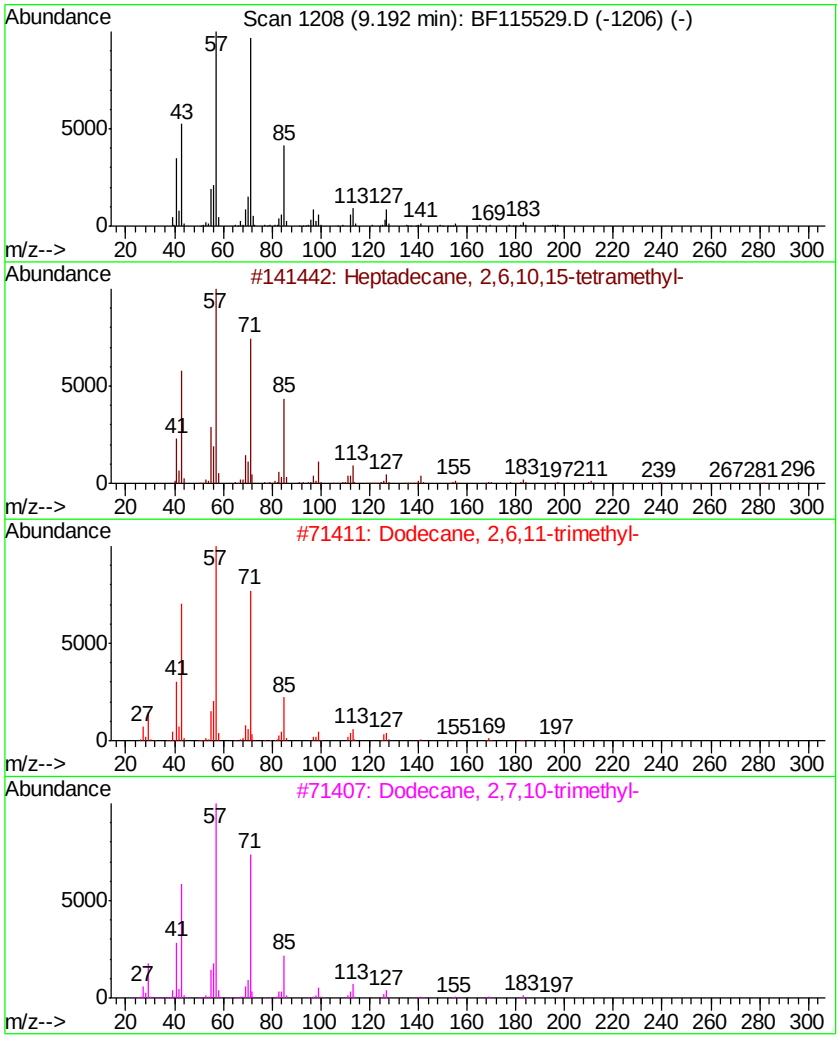
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

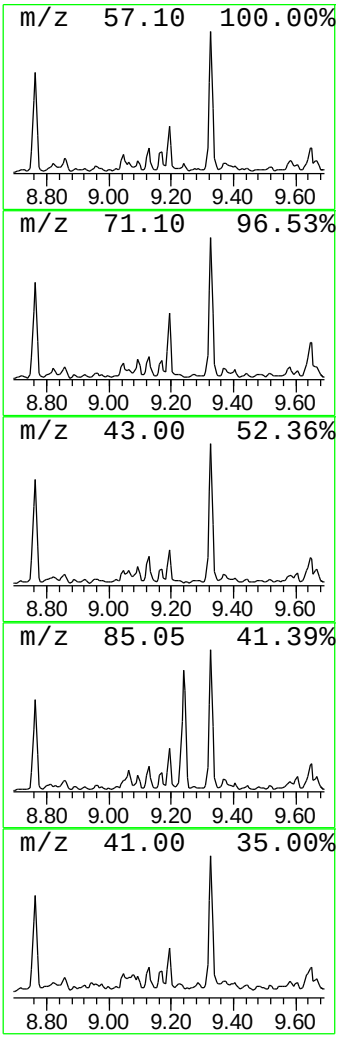
****

Peak Number 9 Heptadecane, 2,6,10,15-tetr... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	4.77 ng	330630	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	83
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115529.D
Acq On : 12 Jul 2019 16:36
Operator : HP/JU
Sample : K3761-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

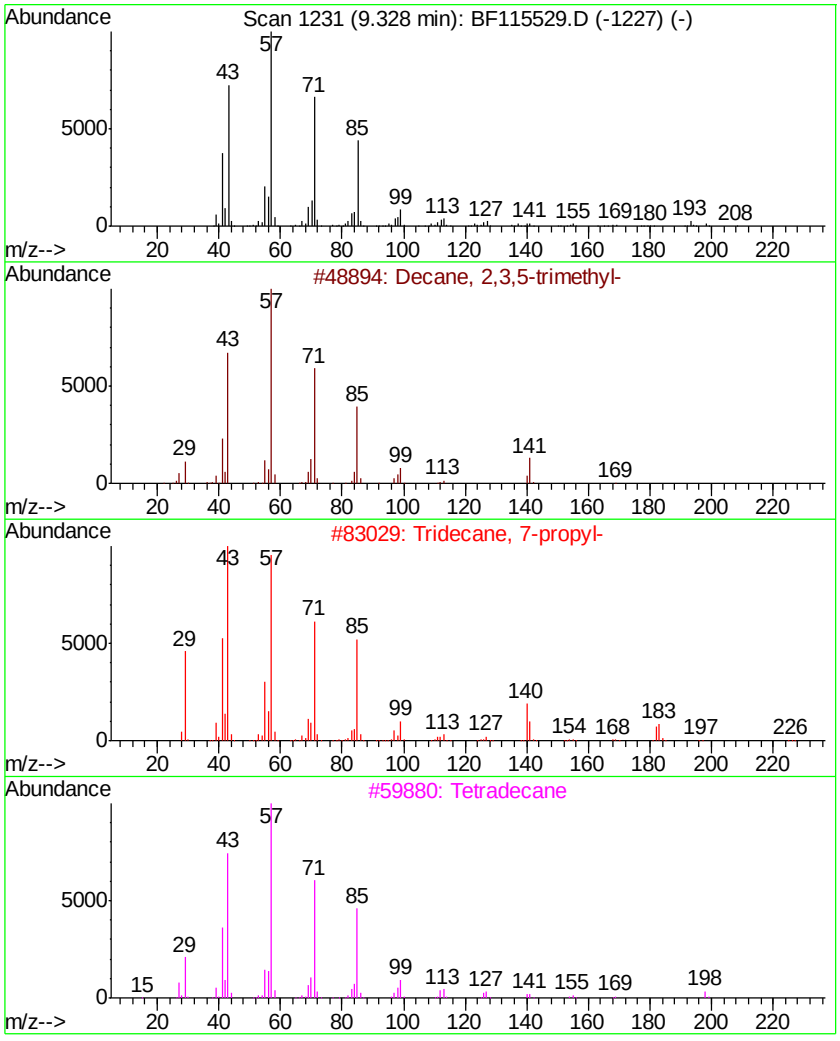
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

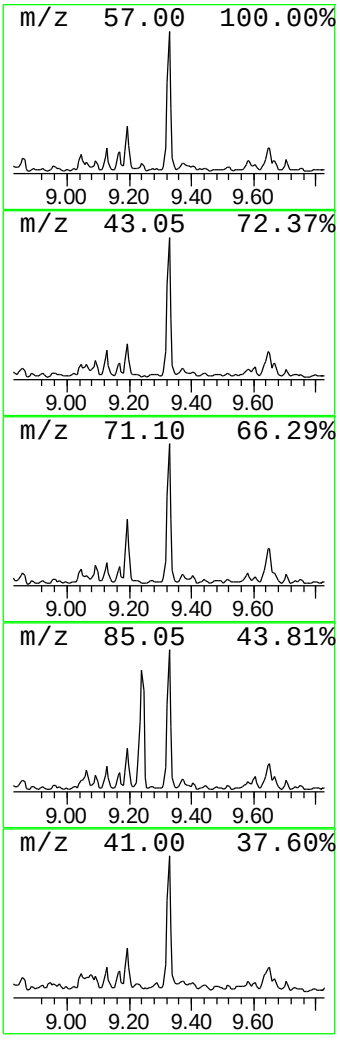
****

Peak Number 10 Decane, 2,3,5-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	17.50 ng	1213580	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
2	Tridecane, 7-propyl-	226	C16H34	055045-09-5	86
3	Tetradecane	198	C14H30	000629-59-4	86
4	Nonadecane	268	C19H40	000629-92-5	86
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115529.D
Acq On : 12 Jul 2019 16:36
Operator : HP/JU
Sample : K3761-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

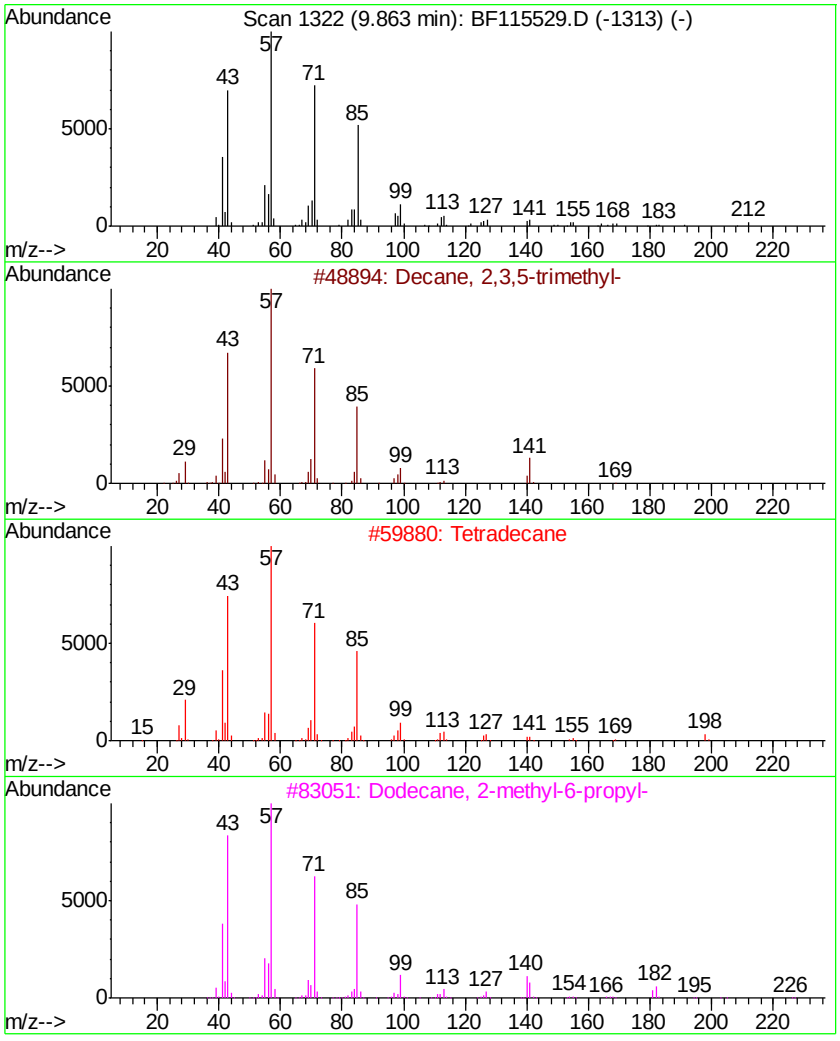
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

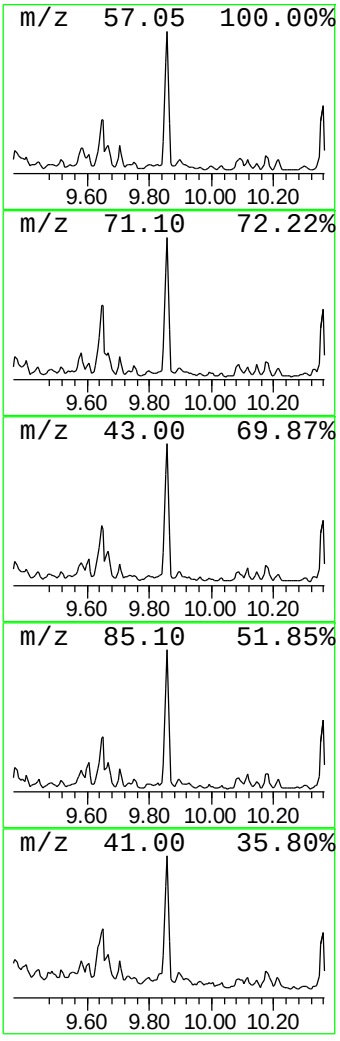
****

Peak Number 11 Tetradecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	9.04 ng	627207	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
2	Tetradecane	198	C14H30	000629-59-4	87
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
4	Pentadecane	212	C15H32	000629-62-9	76
5	Heneicosane	296	C21H44	000629-94-7	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115529.D
Acq On : 12 Jul 2019 16:36
Operator : HP/JU
Sample : K3761-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

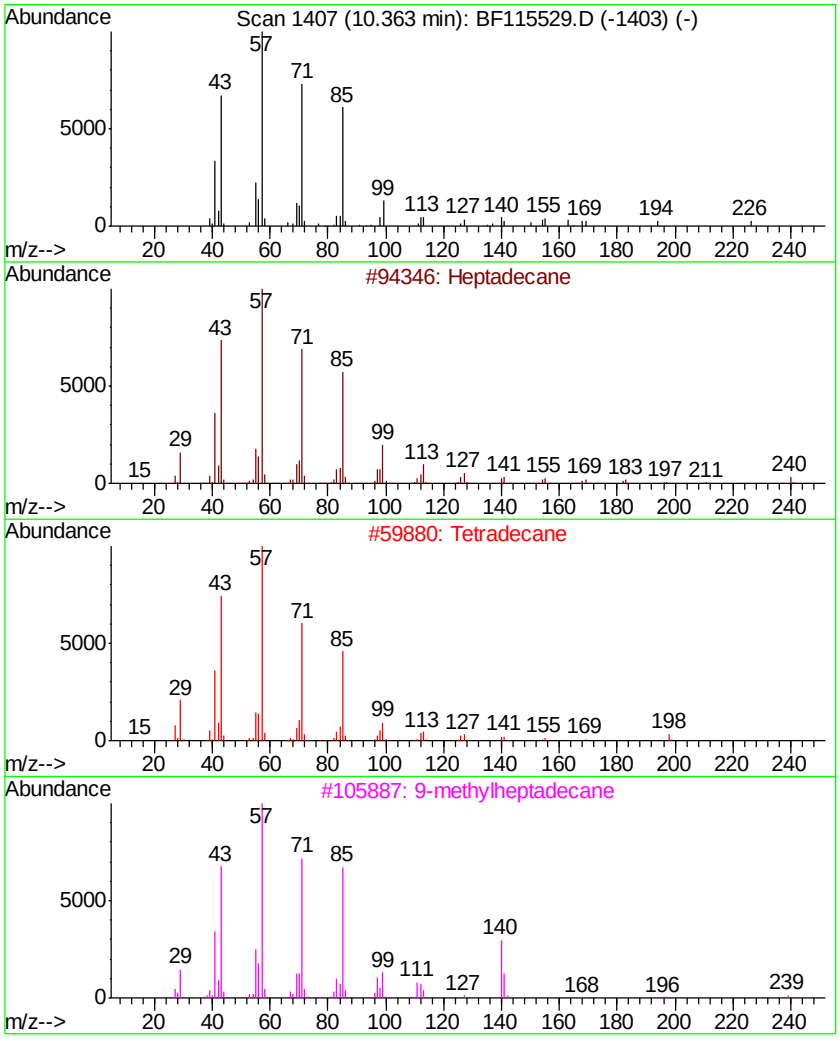
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

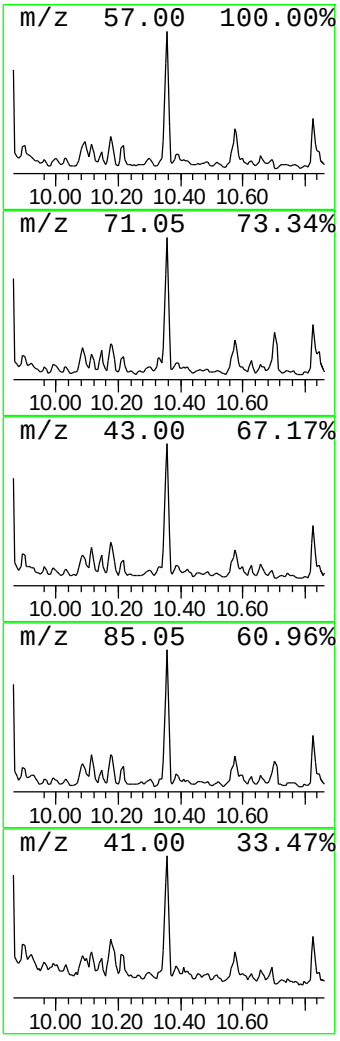
****

Peak Number 12 Heptadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	3.19 ng	221524	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Tetradecane	198	C14H30	000629-59-4	90
3	9-methylheptadecane	254	C18H38	026741-18-4	90
4	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	86
5	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115529.D
Acq On : 12 Jul 2019 16:36
Operator : HP/JU
Sample : K3761-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

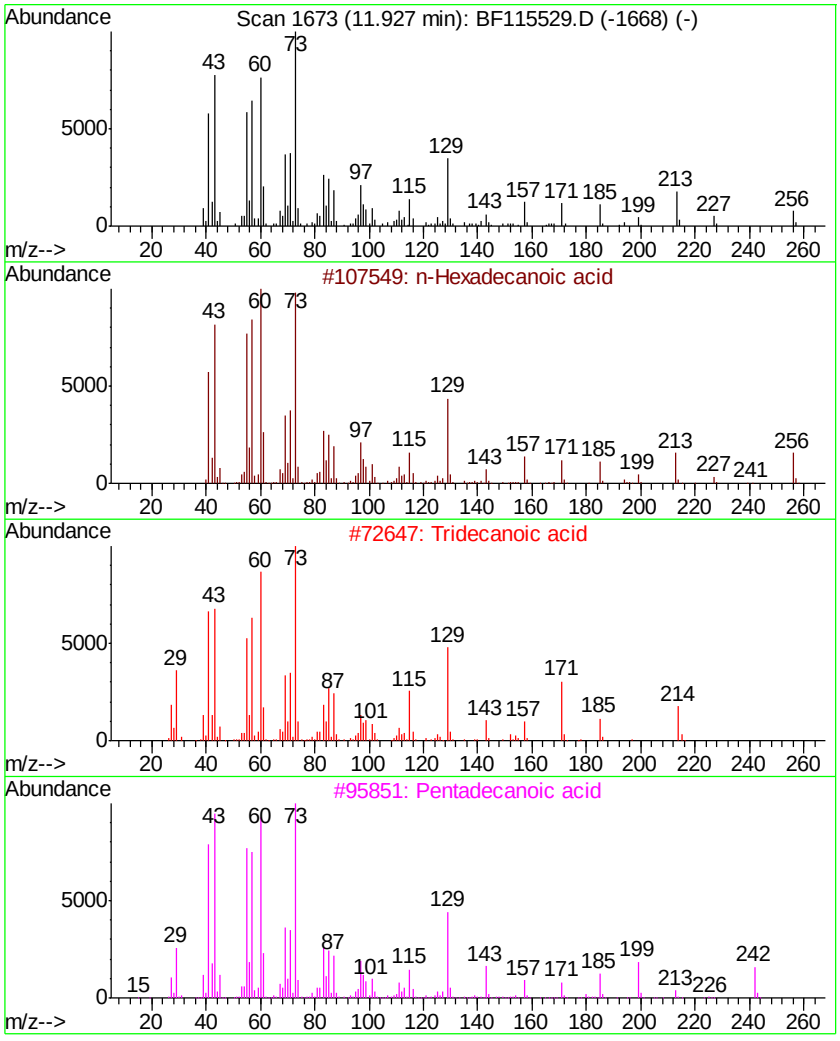
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

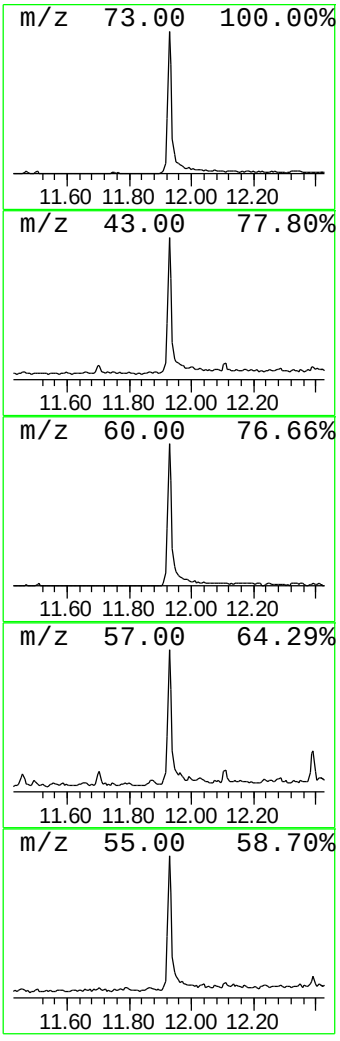
****

Peak Number 13 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	6.59 ng	409401	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	Dodecanoic acid	200	C12H24O2	000143-07-7	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115529.D
Acq On : 12 Jul 2019 16:36
Operator : HP/JU
Sample : K3761-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

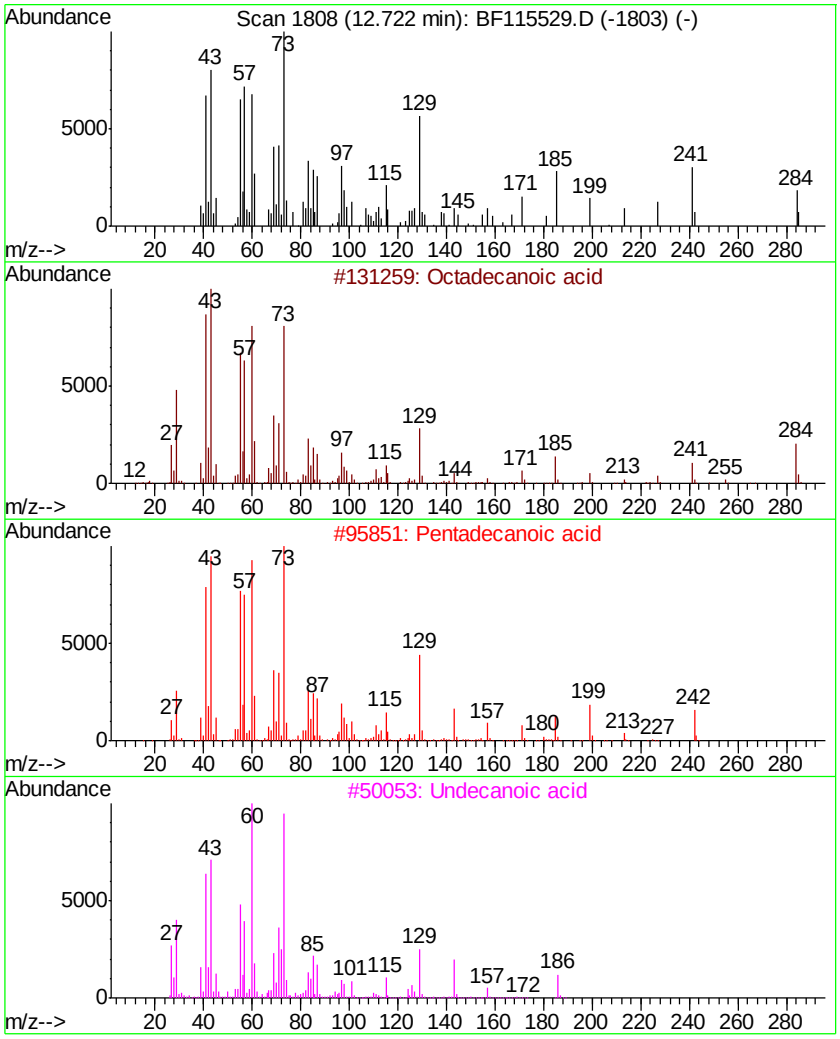
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

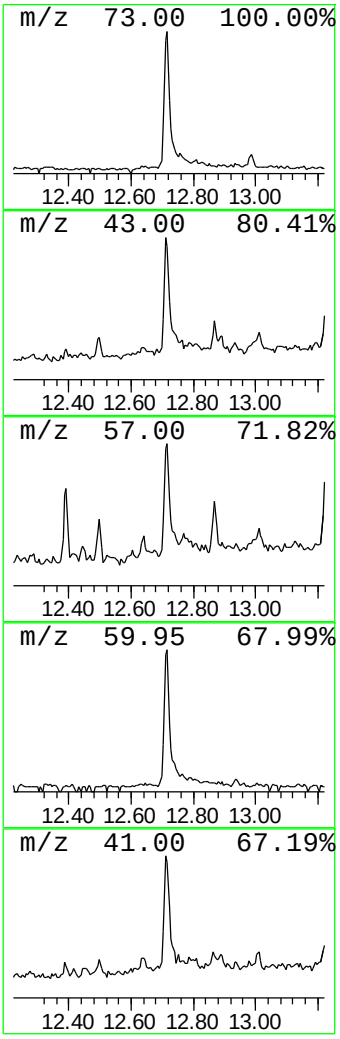
****

Peak Number 14 Pentadecanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	3.07 ng	190568	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	89
3	Undecanoic acid	186	C11H22O2	000112-37-8	74
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	Ethanone, 1-(4,5-dihydro-2-thiaz...	129	C5H7NOS	029926-41-8	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115529.D
Acq On : 12 Jul 2019 16:36
Operator : HP/JU
Sample : K3761-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

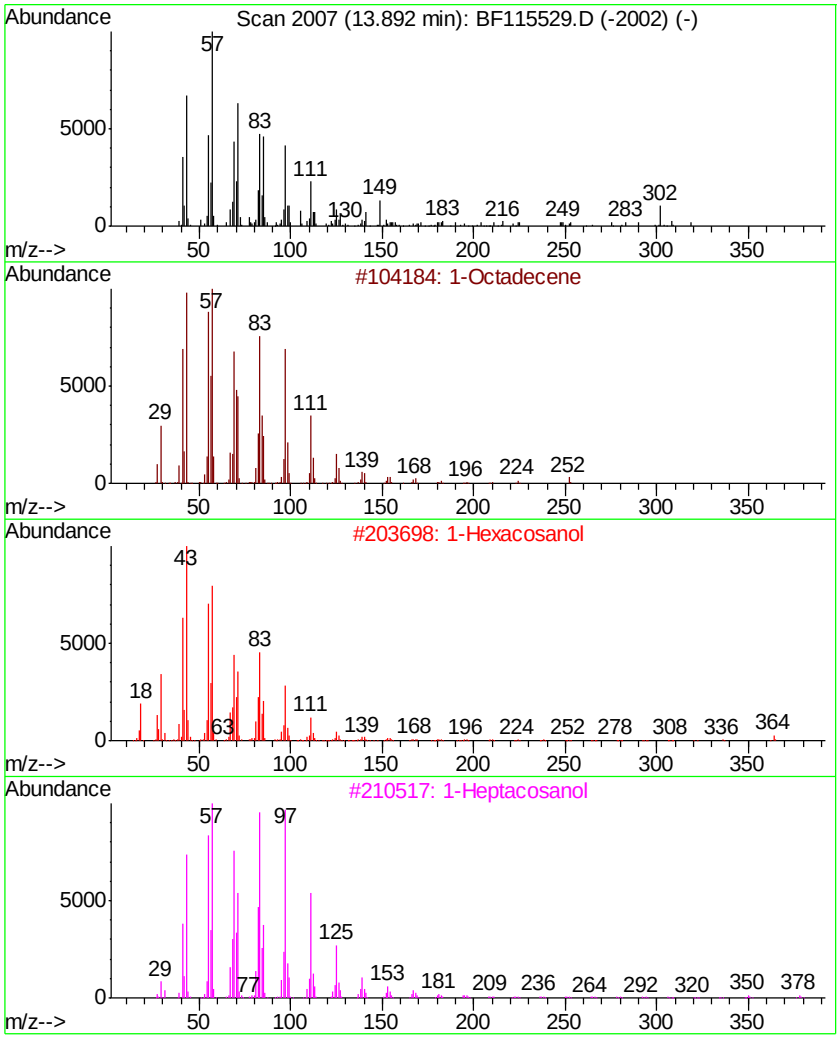
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

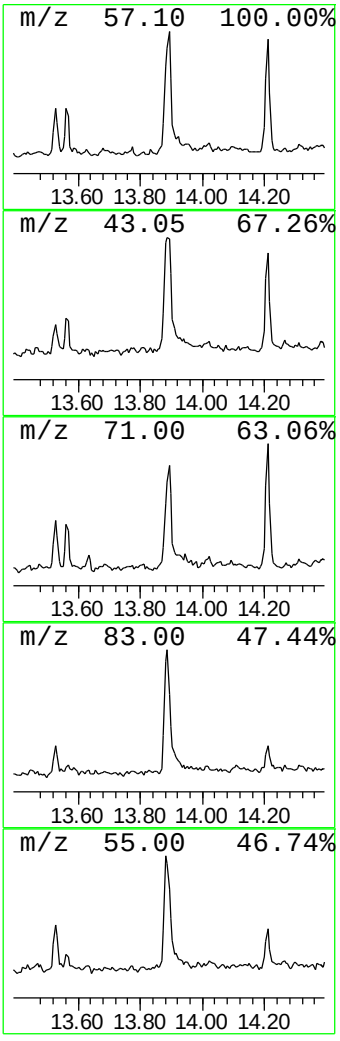
****

Peak Number 15 1-Octadecene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	8.75 ng	427008	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecene	252	C18H36	000112-88-9	90
2	1-Hexacosanol	382	C26H54O	000506-52-5	87
3	1-Heptacosanol	396	C27H56O	002004-39-9	87
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	87
5	1-Docosene	308	C22H44	001599-67-3	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115529.D
Acq On : 12 Jul 2019 16:36
Operator : HP/JU
Sample : K3761-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

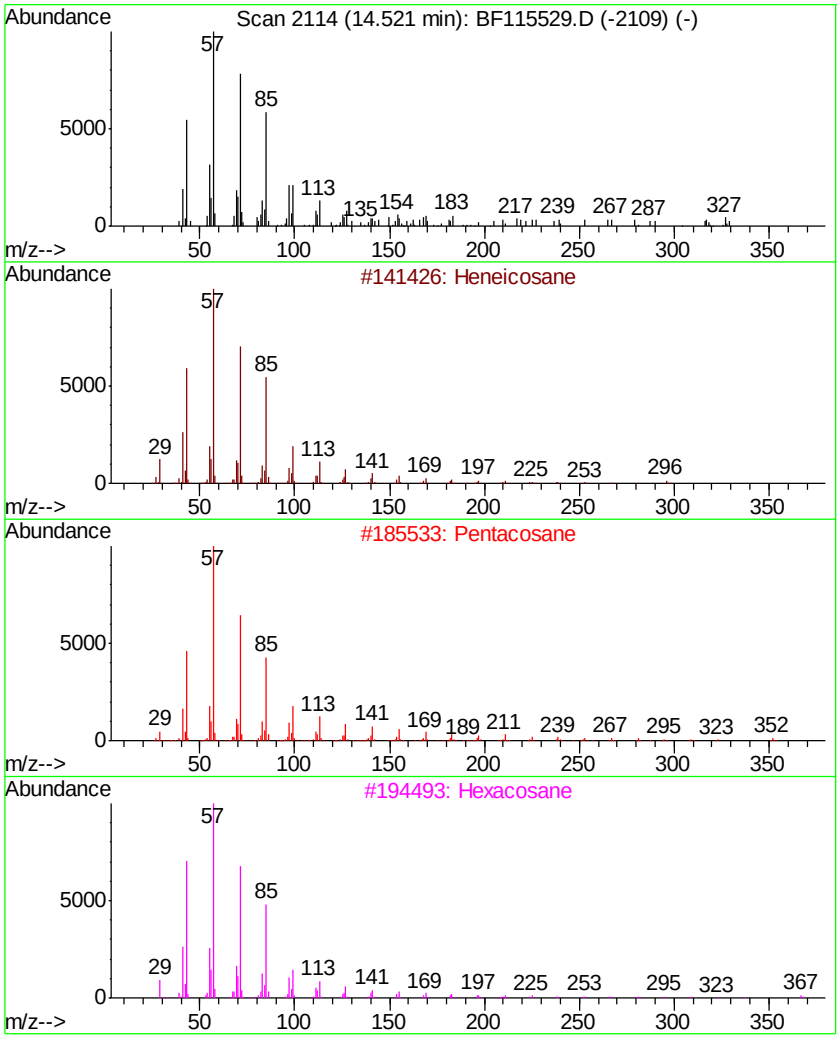
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

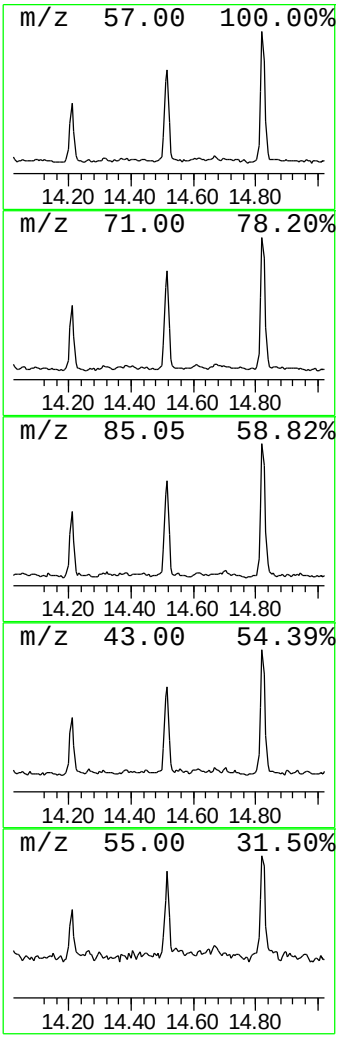
****

Peak Number 16 Heneicosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	3.00 ng	146615	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Pentacosane	352	C25H52	000629-99-2	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	Eicosane	282	C20H42	000112-95-8	91
5	Docosane, 7-hexyl-	394	C28H58	055373-86-9	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115529.D
Acq On : 12 Jul 2019 16:36
Operator : HP/JU
Sample : K3761-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

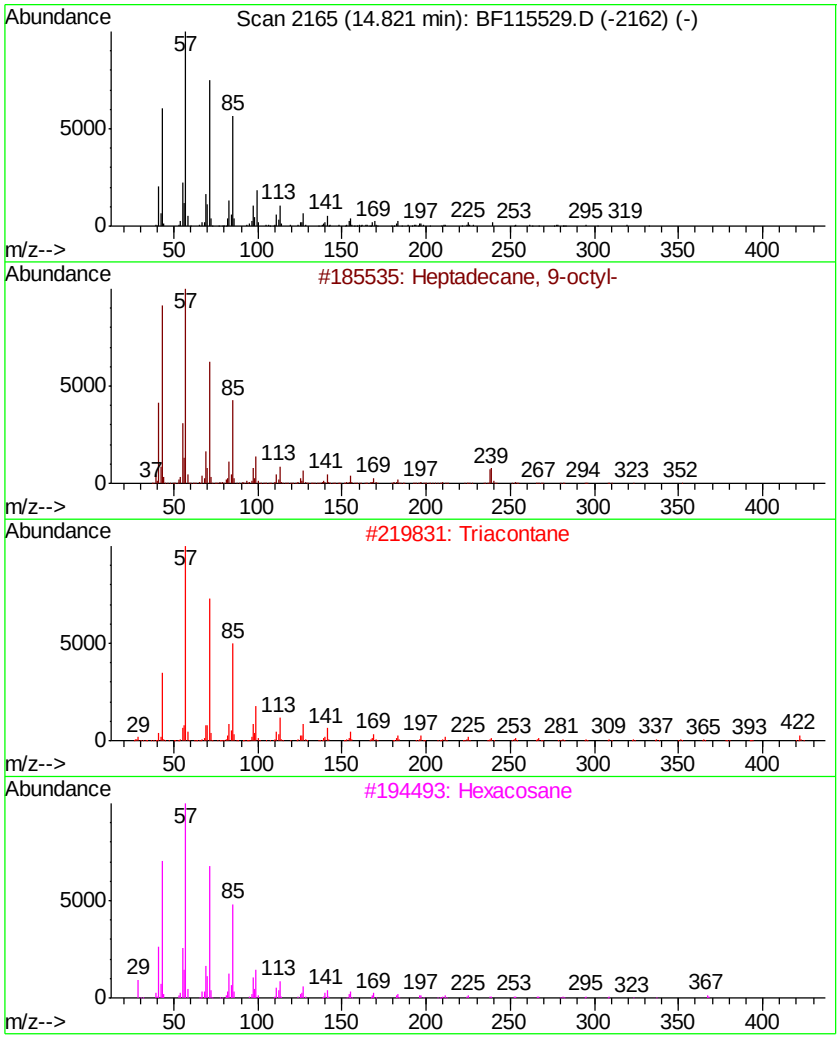
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

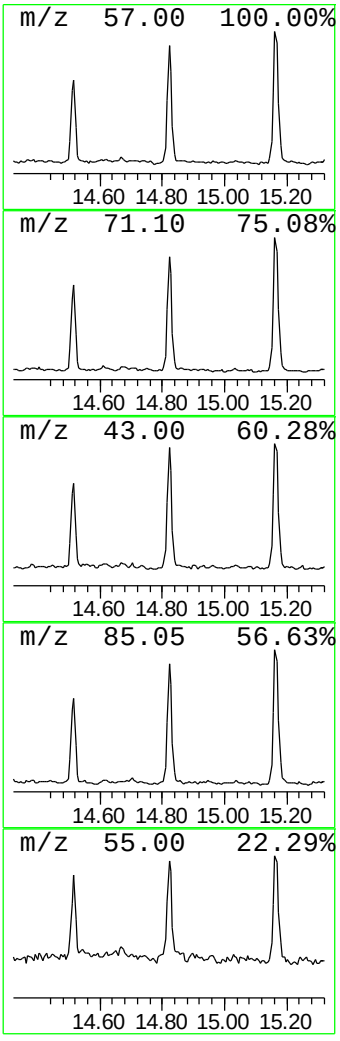
****

Peak Number 17 Heptadecane, 9-octyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	5.68 ng	275559	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
2	Triacontane	422	C30H62	000638-68-6	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	Heneicosane, 11-pentyl-	366	C26H54	014739-72-1	90
5	Tetracosane	338	C24H50	000646-31-1	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115529.D
Acq On : 12 Jul 2019 16:36
Operator : HP/JU
Sample : K3761-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

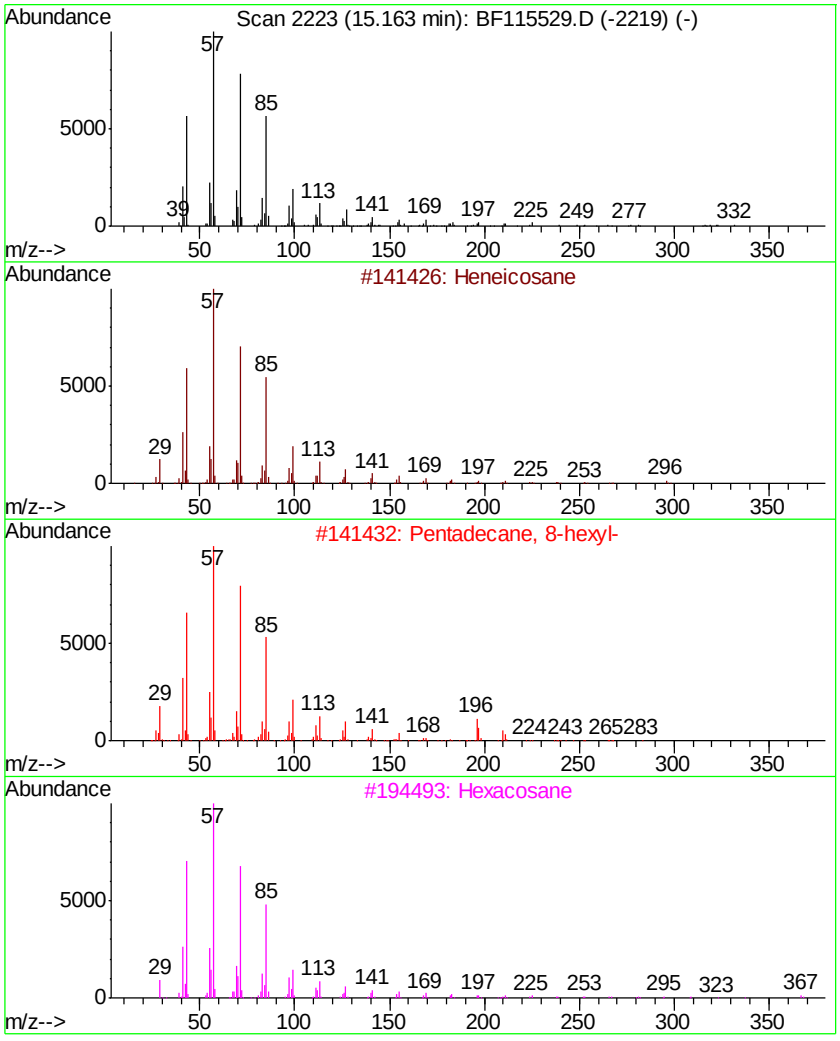
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

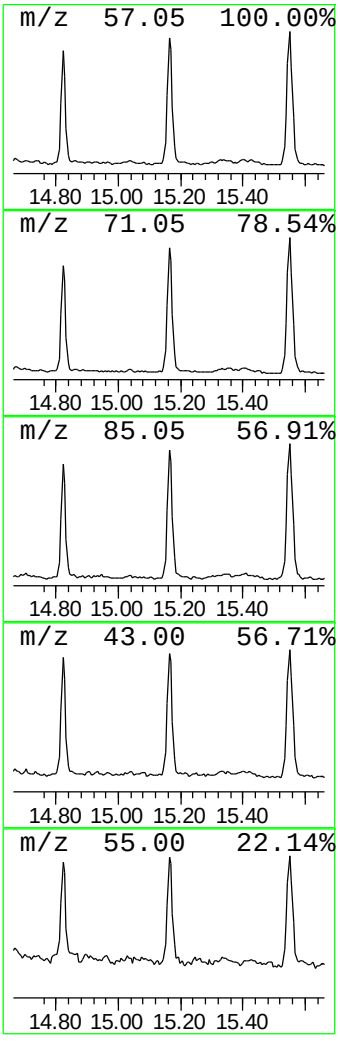
****

Peak Number 18 Eicosane, 7-hexyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	6.51 ng	315764	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	91
3	Hexacosane	366	C26H54	000630-01-3	90
4	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	90
5	Pentacosane	352	C25H52	000629-99-2	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115529.D
Acq On : 12 Jul 2019 16:36
Operator : HP/JU
Sample : K3761-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

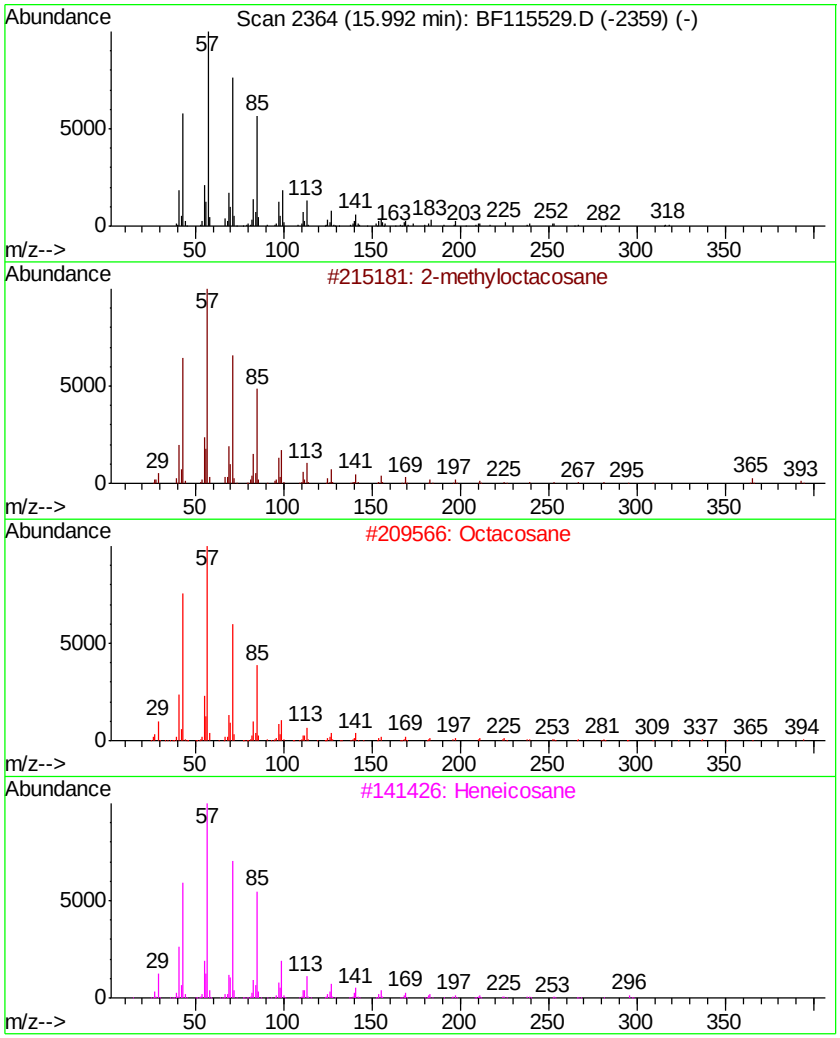
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

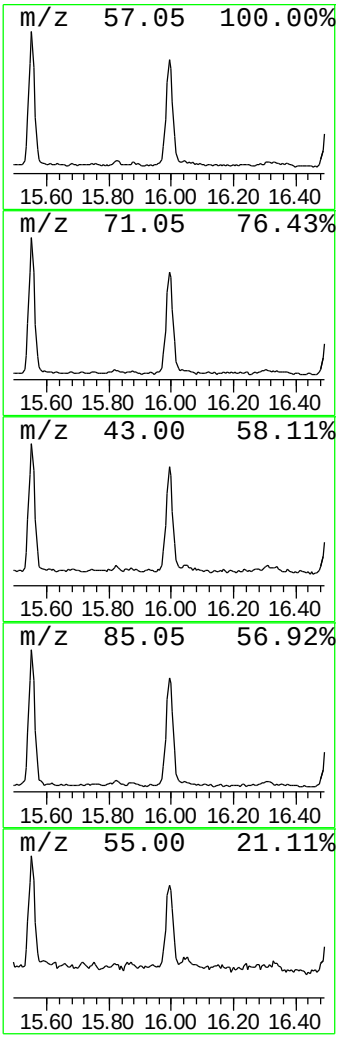
****

Peak Number 19 2-methyloctacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	6.58 ng	319245	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-methyloctacosane	408	C29H60	1000376-72-8	91
2	Octacosane	394	C28H58	000630-02-4	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5	Eicosane	282	C20H42	000112-95-8	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115529.D
Acq On : 12 Jul 2019 16:36
Operator : HP/JU
Sample : K3761-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

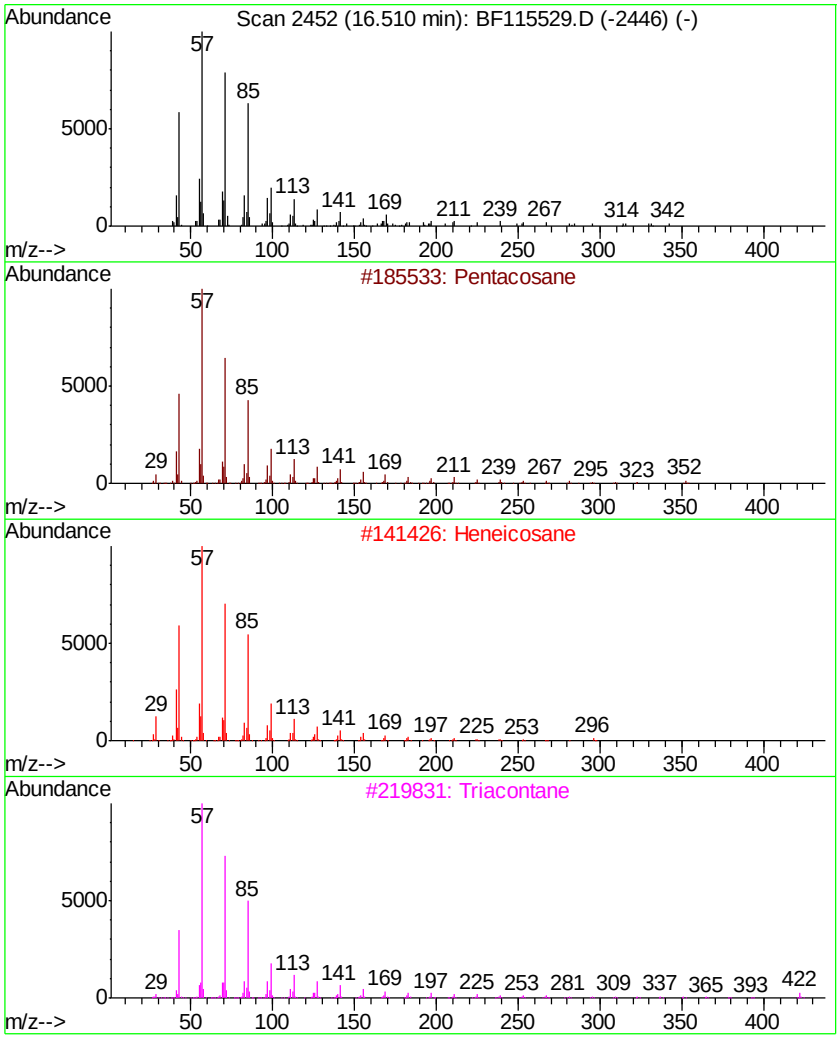
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

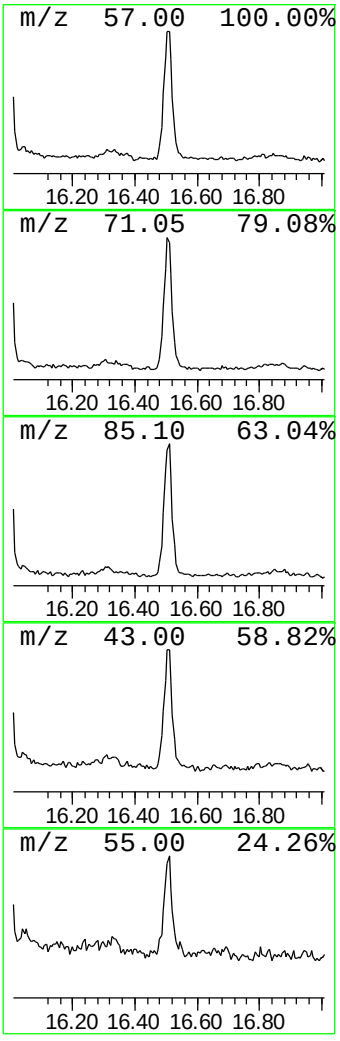
****

Peak Number 20 Pentacosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	4.98 ng	241810	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Triacontane	422	C30H62	000638-68-6	91
4	Tetracosane	338	C24H50	000646-31-1	91
5	Hexacosane	366	C26H54	000630-01-3	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071219\
Data File : BF115529.D
Acq On : 12 Jul 2019 16:36
Operator : HP/JU
Sample : K3761-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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...	2.22	53.6	ng	2495150	1	6.88	930449	20.0
unknown6.66	6.66	87.8	ng	4082740	1	6.88	930449	20.0
Cyclohexane, (cyc...	8.46	2.8	ng	194248	2	8.16	1400180	20.0
Dodecane, 2,6,11-...	8.59	3.3	ng	229204	2	8.16	1400180	20.0
Undecane, 2,3-dim...	8.76	10.8	ng	759185	2	8.16	1400180	20.0
unknown9.05	9.05	3.8	ng	263968	3	9.92	1386930	20.0
Octacosane	9.13	2.9	ng	198719	3	9.92	1386930	20.0
Heptadecane, 2,6,...	9.19	4.8	ng	330630	3	9.92	1386930	20.0
Decane, 2,3,5-tri...	9.33	17.5	ng	1213580	3	9.92	1386930	20.0
Tetradecane	9.86	9.0	ng	627207	3	9.92	1386930	20.0
Heptadecane	10.36	3.2	ng	221524	3	9.92	1386930	20.0
n-Hexadecanoic acid	11.93	6.6	ng	409401	4	11.40	1242840	20.0
Pentadecanoic acid	12.72	3.1	ng	190568	4	11.40	1242840	20.0
1-Octadecene	13.89	8.8	ng	427008	5	14.04	975883	20.0
Heneicosane	14.52	3.0	ng	146615	5	14.04	975883	20.0
Heptadecane, 9-oc...	14.82	5.7	ng	275559	6	15.51	970207	20.0
Eicosane, 7-hexyl-	15.16	6.5	ng	315764	6	15.51	970207	20.0
2-methyloctacosane	15.99	6.6	ng	319245	6	15.51	970207	20.0
Pentacosane	16.51	5.0	ng	241810	6	15.51	970207	20.0