LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP110819\
Data File : BP001015.D
Acq On : 08 Nov 2019 14:40
Operator : JU
Sample : K5609-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PT-BNA-SOIL

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_P\METHODS\8270-BP110619.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	2.299	31	36	45	rVB	562955	852770	4.95%	0.252%
2	5.734	615	620	636	rBV	496279	777415	4.51%	0.230%
3	6.305	710	717	721	rBV	3674031	4631789	26.88%	1.368%
4	7.828	961	976	978	rBV	3408571	6608388	38.36%	1.952%
5	7.987	997	1003	1005	rBV	3455197	4388425	25.47%	1.296%
6	8.016	1005	1008	1010	rVV	3513178	5013305	29.10%	1.481%
7	8.046	1010	1013	1017	rVB	4443507	5108643	29.65%	1.509%
8	8.287	1046	1054	1058	rBV	5258437	6118875	35.52%	1.807%
9	8.375	1064	1069	1071	rBV	983627	1211238	7.03%	0.358%
10	8.405	1071	1074	1079	rVB	3645399	3887442	22.56%	1.148%
11	8.616	1104	1110	1112	rBV	3554643	4573391	26.55%	1.351%
12	8.640	1112	1114	1119	rVB	3112705	2977923	17.28%	0.880%
13	9.046	1171	1183	1203	rBV	2710755	4129703	23.97%	1.220%
14	9.258	1212	1219	1221	rBV	2083618	3410034	19.79%	1.007%
15	9.293	1221	1225	1228	rVB	4528421	5480284	31.81%	1.619%
16	9.693	1284	1293	1304	rBV	6339992	12131945	70.42%	3.583%
17	9.805	1304	1312	1316	rBV	4090431	5497555	31.91%	1.624%
18	9.899	1324	1328	1334	rVB	303294	339986	1.97%	0.100%
19	10.181	1370	1376	1390	rBV	4982950	6268754	36.39%	1.851%
20	10.404	1410	1414	1418	rVB	1258866	1384565	8.04%	0.409%
21	11.340	1564	1573	1576	rBV	8398433	11442154	66.41%	3.379%
22	11.575	1606	1613	1617	rBV	6825026	8335373	48.38%	2.462%
23	12.081	1690	1699	1704	rBV	5267861	6747160	39.16%	1.993%
24	12.187	1709	1717	1721	rVB	5796075	7222975	41.92%	2.133%
25	12.369	1740	1748	1752	rBV	8428626	11031827	64.03%	3.258%
26	12.434	1755	1759	1765	rVB	167669	222169	1.29%	0.066%
27	12.869	1826	1833	1838	rBV	426402	634636	3.68%	0.187%
28	12.951	1838	1847	1851	rVV	6108857	9589581	55.66%	2.832%
29	13.034	1853	1861	1866	rBV	4984068	6576463	38.17%	1.942%
30	13.269	1895	1901	1905	rBV	1486658	1873940	10.88%	0.553%
31	13.328	1905	1911	1915	rVB	6894047	8562200	49.70%	2.529%
32	13.498	1931	1940	1943	rBV	2519886	3605894	20.93%	1.065%
33	13.610	1950	1959	1964	rBV2	10170324	15130757	87.82%	4.469%
34	14.040	2022	2032	2035	rBV	8796508	11891025	69.02%	3.512%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP110819\
Data File : BP001015.D
Acq On : 08 Nov 2019 14:40
Operator : JU
Sample : K5609-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PT-BNA-SOIL

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_P\METHODS\8270-BP110619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.198	2050	2059	2063	rBV	9825779	13500351	78.36%	3.987%
36	14.557	2114	2120	2134	rBV	3917795	5128775	29.77%	1.515%
37	14.992	2187	2194	2198	rBV	7221449	8938593	51.88%	2.640%
38	15.069	2198	2207	2212	rVB	6164175	8364464	48.55%	2.470%
39	15.657	2302	2307	2312	rBV	1799917	2061953	11.97%	0.609%
40	15.775	2319	2327	2336	rBV	5196055	6164426	35.78%	1.821%
41	16.545	2454	2458	2470	rBV2	452907	624475	3.62%	0.184%
42	17.263	2576	2580	2588	rBV	291358	439078	2.55%	0.130%
43	17.404	2598	2604	2608	rBV	5636170	6645583	38.57%	1.963%
44	17.604	2633	2638	2640	rBV	191343	213058	1.24%	0.063%
45	17.628	2640	2642	2649	rVV	294822	325169	1.89%	0.096%
46	17.722	2650	2658	2662	rVB	11230185	16551384	96.07%	4.888%
47	17.939	2686	2695	2699	rBV	7941554	9099228	52.81%	2.687%
48	18.598	2801	2807	2811	rBV	8313251	8989042	52.17%	2.655%
49	19.163	2893	2903	2915	rBV2	495265	961097	5.58%	0.284%
50	19.292	2920	2925	2929	rBV	1959663	2188696	12.70%	0.646%
51	19.351	2929	2935	2939	rBV	14176725	17228676	100.00%	5.088%
52	19.586	2971	2975	2983	rBV	331787	395989	2.30%	0.117%
53	19.980	3038	3042	3055	rBV	744686	893141	5.18%	0.264%
54	20.128	3061	3067	3071	rBV	12131399	14296368	82.98%	4.222%
55	20.357	3098	3106	3116	rVB	900005	1098775	6.38%	0.325%
56	20.592	3139	3146	3154	rBV	5398425	7444163	43.21%	2.199%
57	20.757	3169	3174	3186	rBV	1149223	1569584	9.11%	0.464%
58	21.080	3223	3229	3238	rVB	1529378	2221112	12.89%	0.656%
59	21.204	3244	3250	3261	rBV	728466	1159583	6.73%	0.342%
60	21.716	3330	3337	3342	rBV	818232	1443773	8.38%	0.426%
61	21.763	3342	3345	3355	rVB	151899	325348	1.89%	0.096%
62	22.304	3430	3437	3445	rBV	247935	500331	2.90%	0.148%
63	22.627	3486	3492	3504	rBV2	87962	193487	1.12%	0.057%
64	23.010	3548	3557	3562	rBV7	245459	680023	3.95%	0.201%
65	23.080	3562	3569	3584	rVV	357280	1109870	6.44%	0.328%
66	23.269	3584	3601	3615	rVB	3440139	9970943	57.87%	2.945%
67	23.480	3632	3637	3650	rVB	71236	203280	1.18%	0.060%

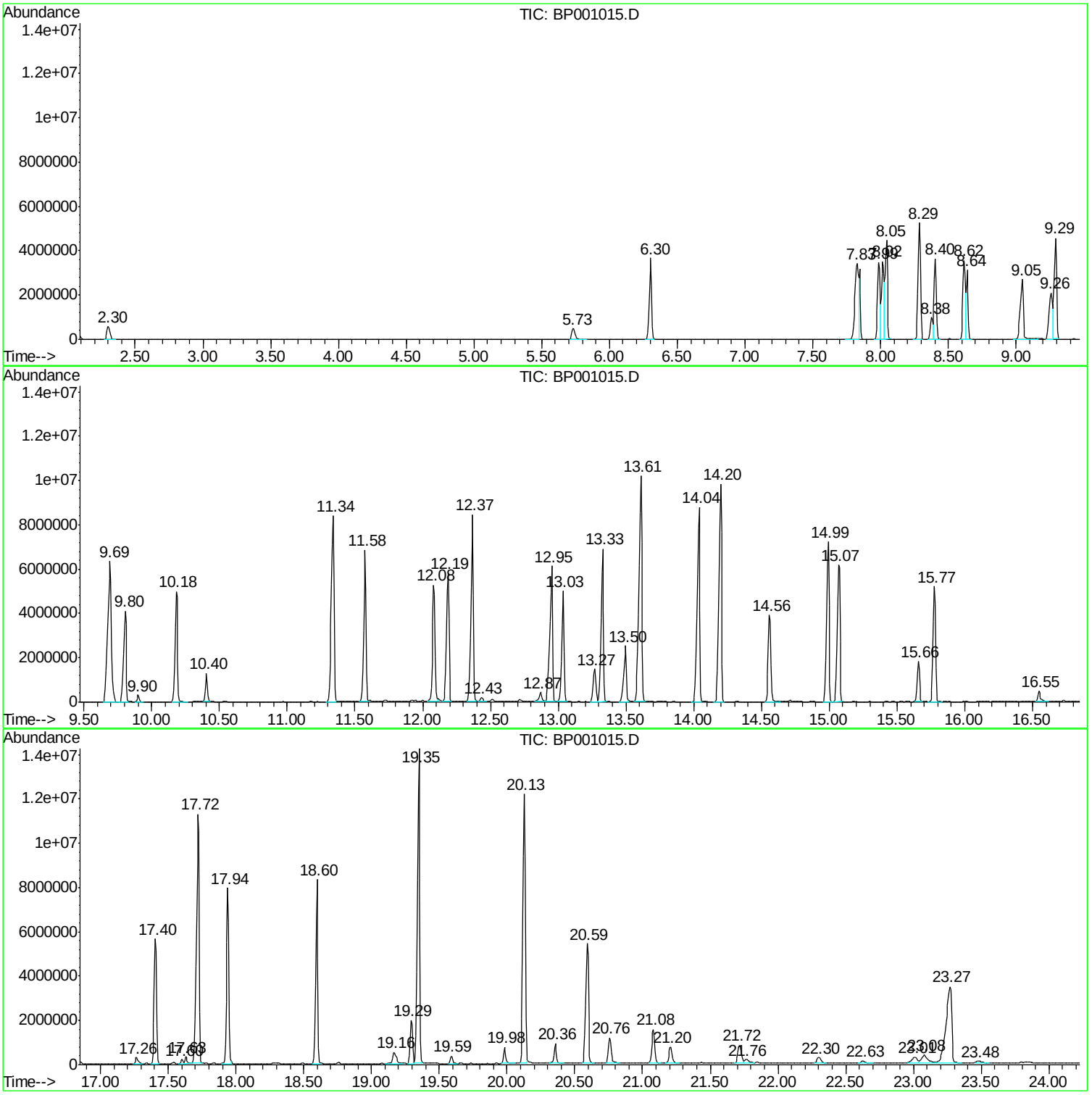
Sum of corrected areas: 338588402

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP110819\
Data File : BP001015.D
Acq On : 08 Nov 2019 14:40
Operator : JU
Sample : K5609-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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 P\DATA\BP110819\
Data File : BP001015.D
Acq On : 08 Nov 2019 14:40
Operator : JU
Sample : K5609-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

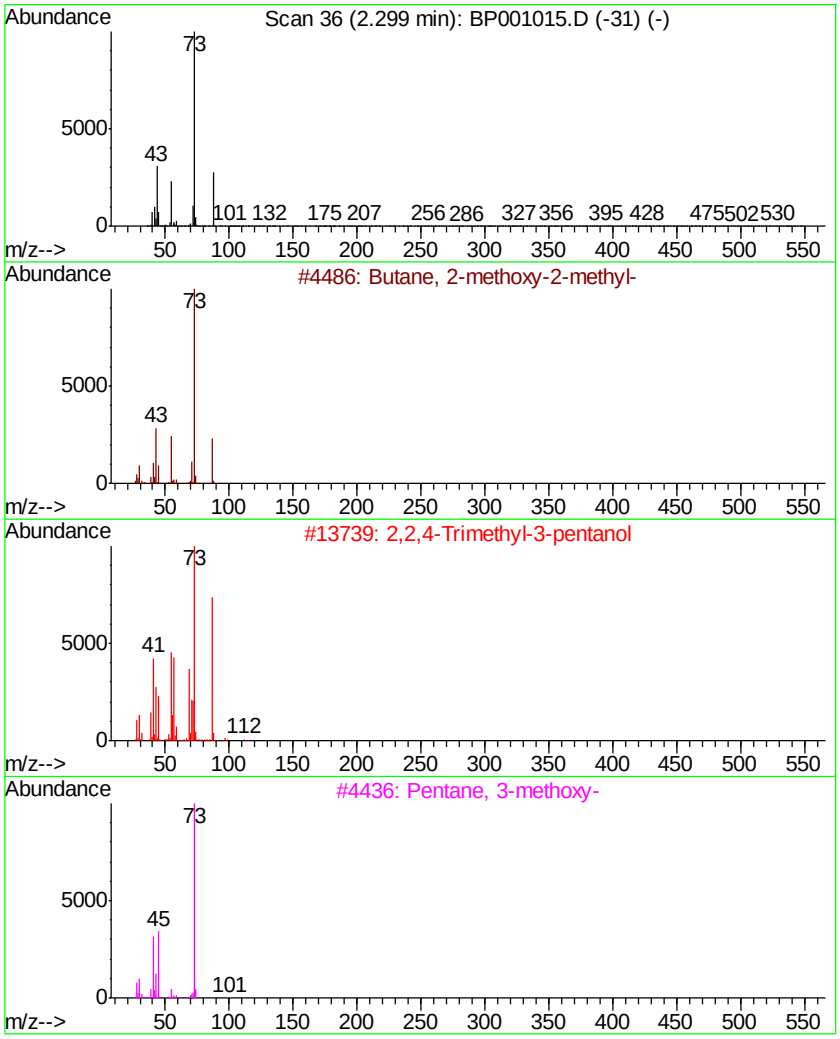
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

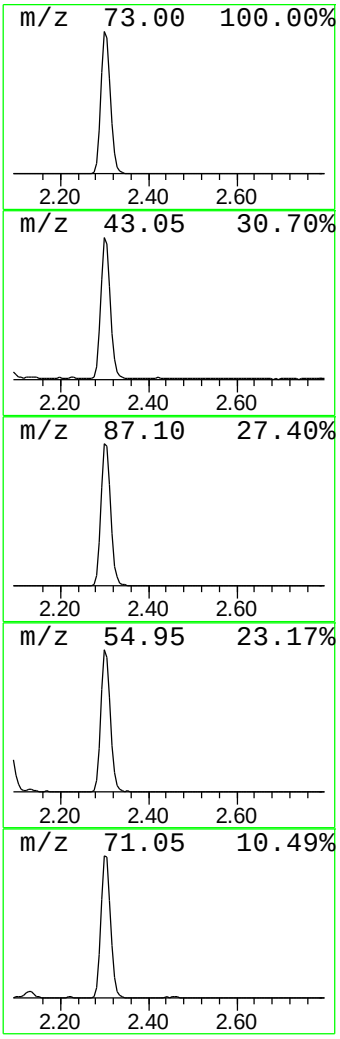
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.30	14.08 ng	852770	1,4-Dichlorobenzene-d4	8.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	86
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP110819\
Data File : BP001015.D
Acq On : 08 Nov 2019 14:40
Operator : JU
Sample : K5609-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

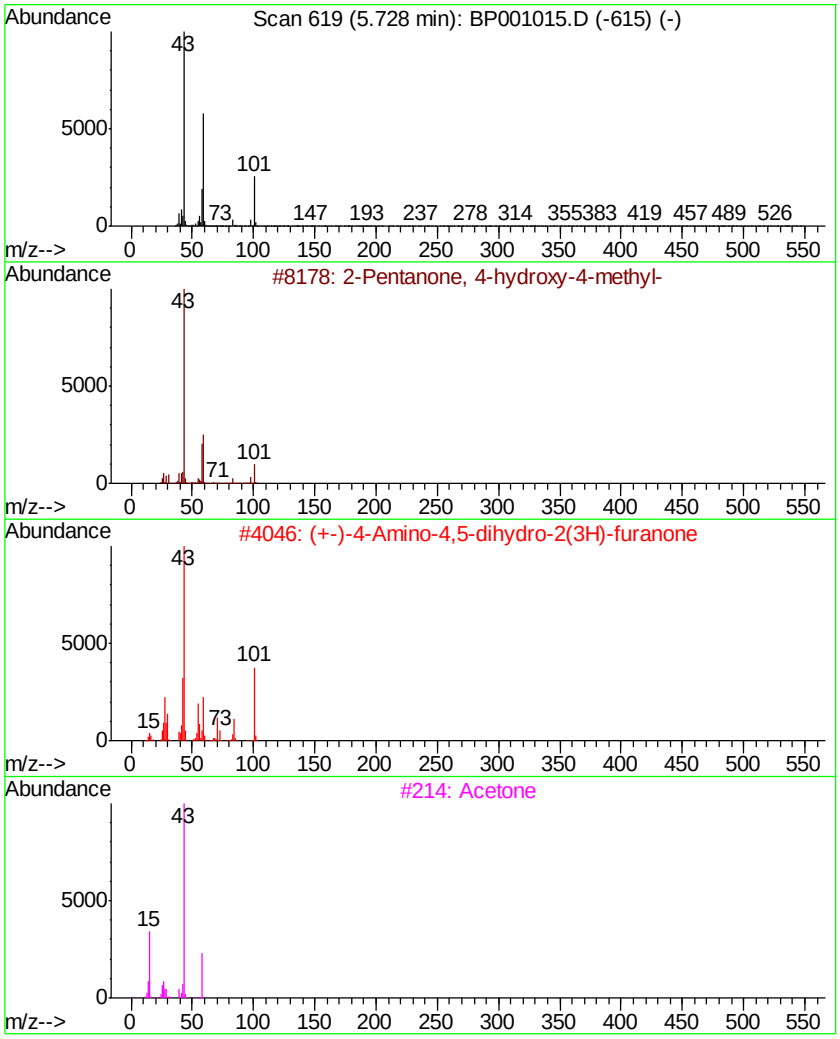
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

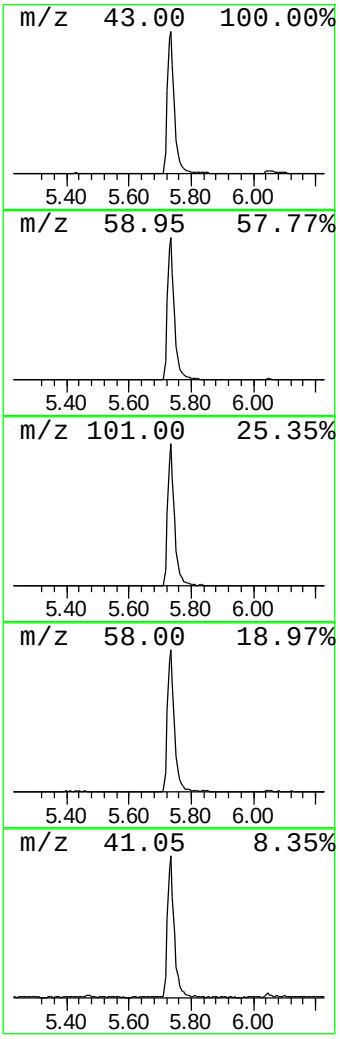
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.73	12.84 ng	777415	1,4-Dichlorobenzene-d4	8.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	43
3	Acetone	58	C3H6O	000067-64-1	12
4	2-Nonanone	142	C9H18O	000821-55-6	12
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP110819\
Data File : BP001015.D
Acq On : 08 Nov 2019 14:40
Operator : JU
Sample : K5609-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

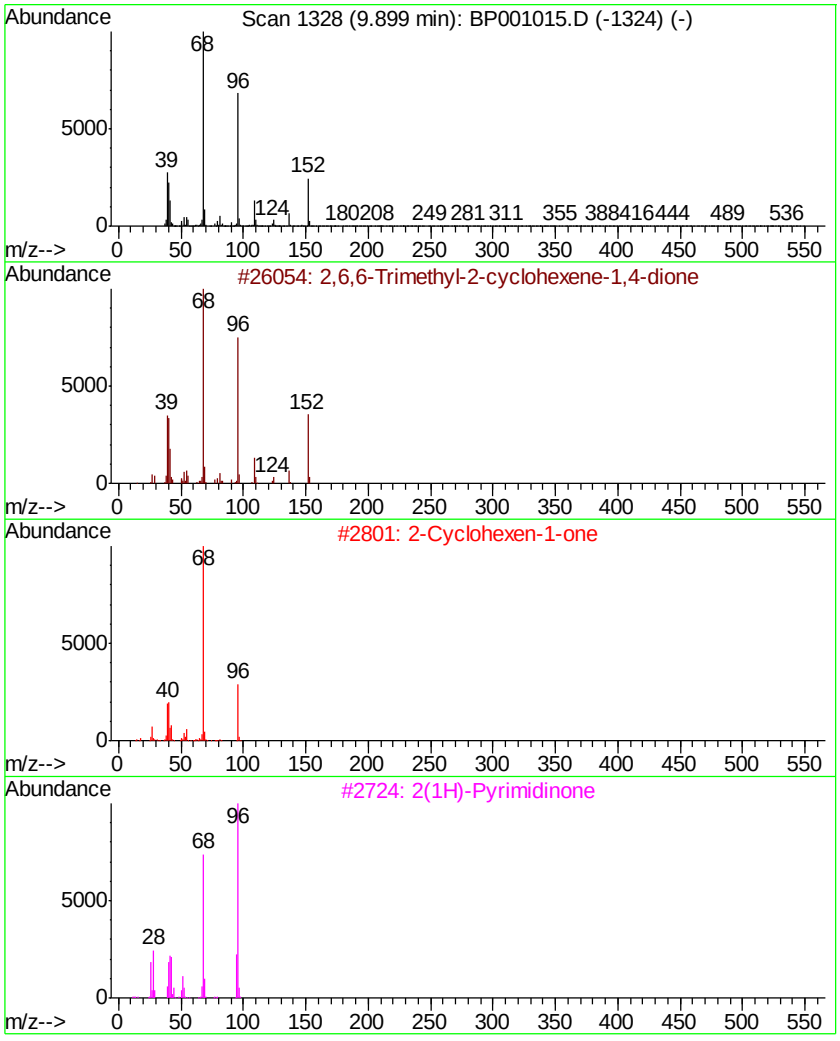
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

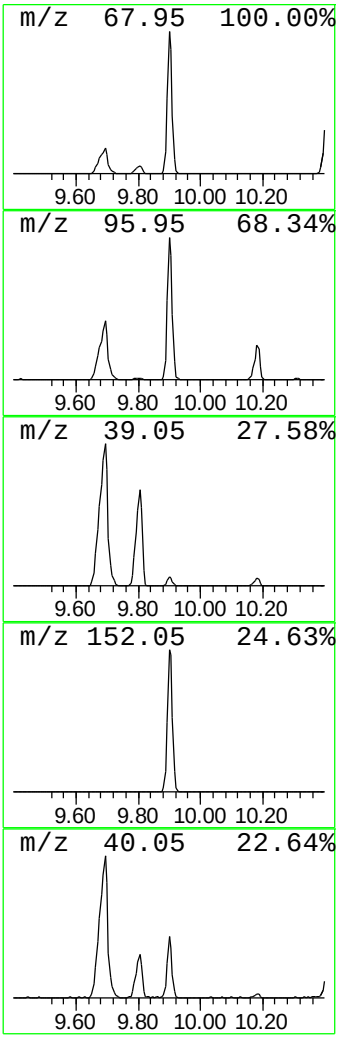
****

Peak Number 3 2,6,6-Trimethyl-2-cyclohexe... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	4.91 ng	339986	Naphthalene-d8	10.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,6-Trimethyl-2-cyclohexene-1,...	152	C9H12O2	001125-21-9	96
2	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	53
3	2(1H)-Pyrimidinone	96	C4H4N2O	000557-01-7	38
4	4(1H)-Pyrimidinone	96	C4H4N2O	004562-27-0	38
5	2H-Pyran-2-one, 5,6-dihydro-	98	C5H6O2	003393-45-1	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP110819\
Data File : BP001015.D
Acq On : 08 Nov 2019 14:40
Operator : JU
Sample : K5609-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

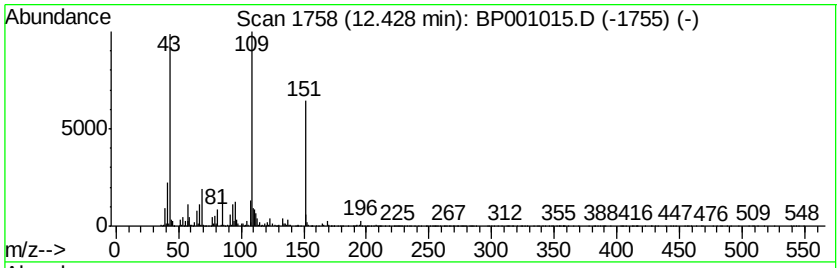
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

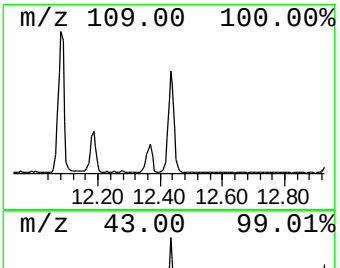
****

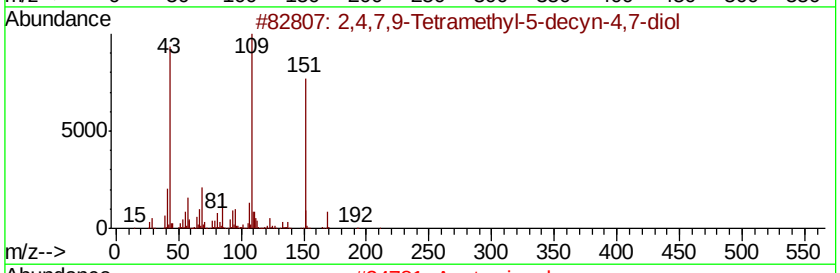
Peak Number 4 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 18

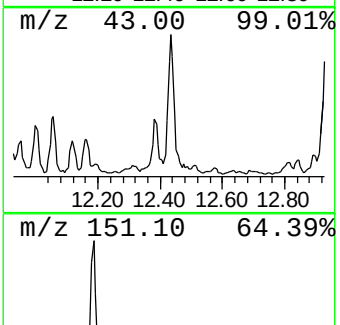
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	2.37 ng	222169	Acenaphthene-d10	13.27

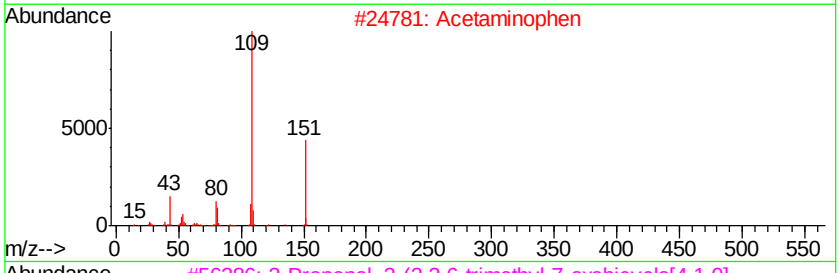
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	91
2	Acetaminophen	151	C8H9NO2	000103-90-2	53
3	2-Propenal, 3-(2,2,6-trimethyl-7...	194	C12H18O2	055759-91-6	50
4	p-Isopropoxyaniline	151	C9H13NO	007664-66-6	50
5	Tiocarlide	400	C23H32N2O2S	000910-86-1	42

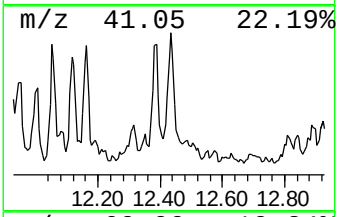


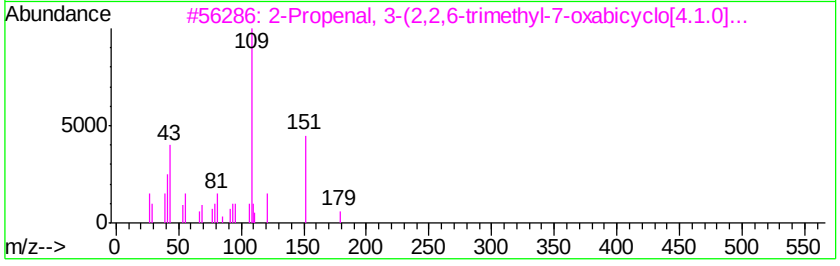


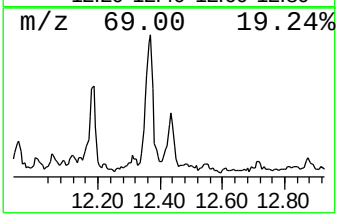












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP110819\
Data File : BP001015.D
Acq On : 08 Nov 2019 14:40
Operator : JU
Sample : K5609-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

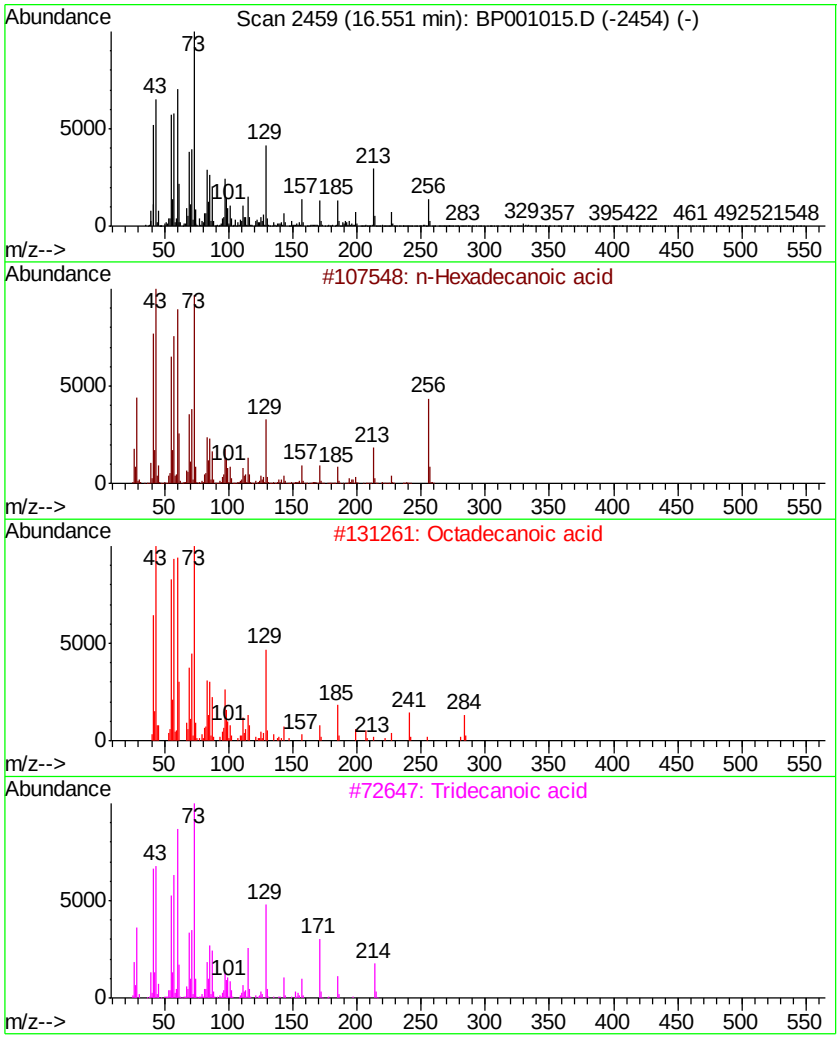
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

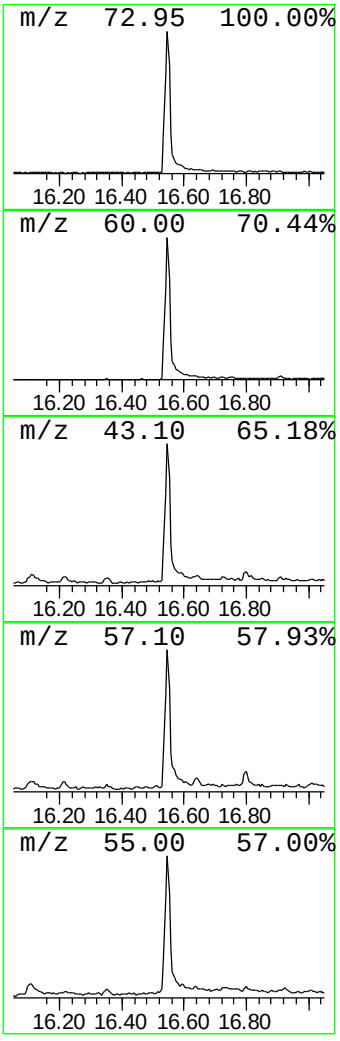
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	6.06 ng	624475	Phenanthrene-d10	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	96
3	Tridecanoic acid	214	C13H26O2	000638-53-9	93
4	n-Decanoic acid	172	C10H20O2	000334-48-5	76
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP110819\
Data File : BP001015.D
Acq On : 08 Nov 2019 14:40
Operator : JU
Sample : K5609-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

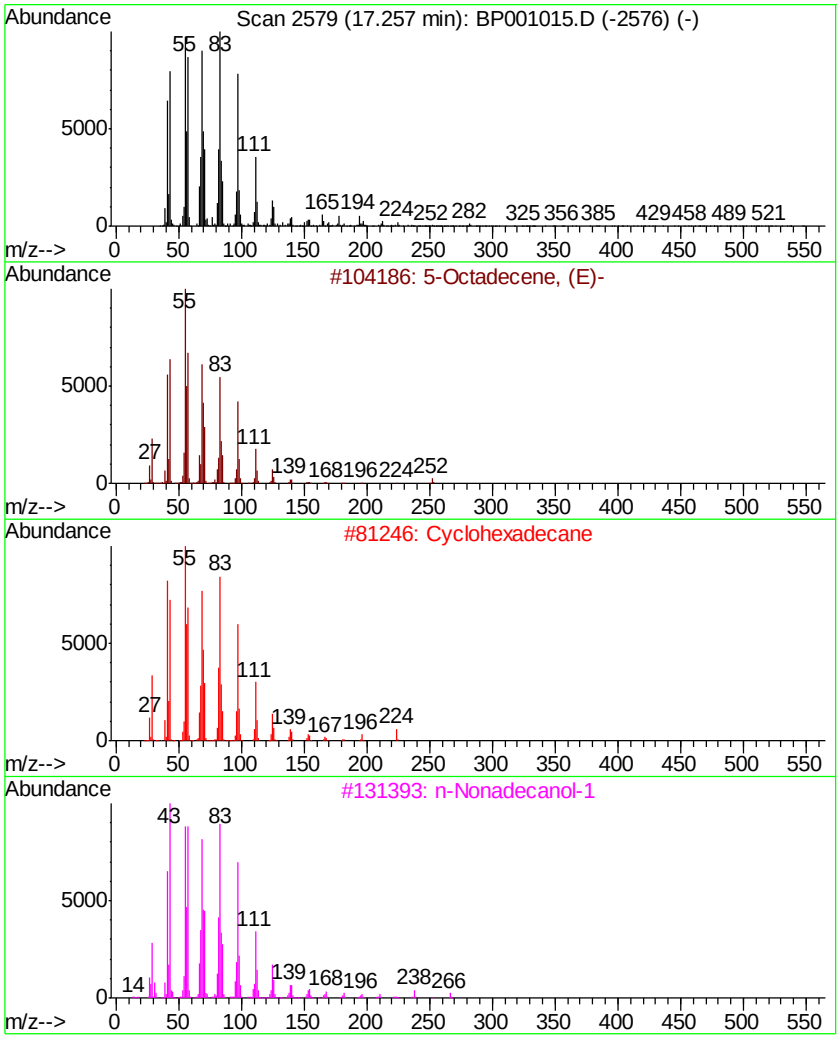
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

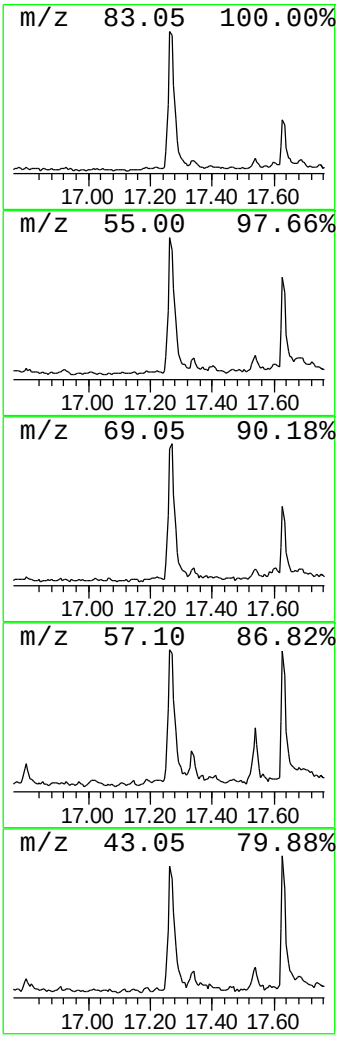
****

Peak Number 6 5-Octadecene, (E)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	4.26 ng	439078	Phenanthrene-d10	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Octadecene, (E)-	252	C18H36	007206-21-5	98
2	Cyclohexadecane	224	C16H32	000295-65-8	95
3	n-Nonadecanol-1	284	C19H40O	001454-84-8	95
4	7-Heptadecene, 1-chloro-	272	C17H33Cl	056554-78-0	94
5	n-Heptadecanol-1	256	C17H36O	001454-85-9	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP110819\
Data File : BP001015.D
Acq On : 08 Nov 2019 14:40
Operator : JU
Sample : K5609-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

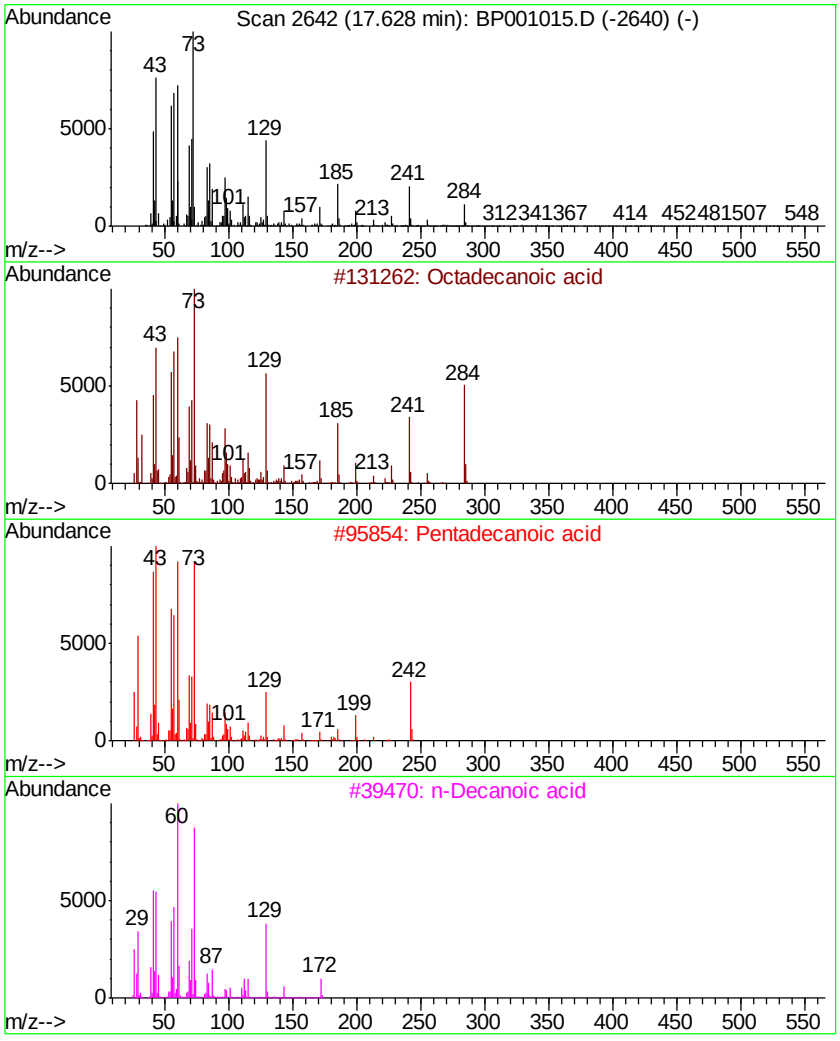
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

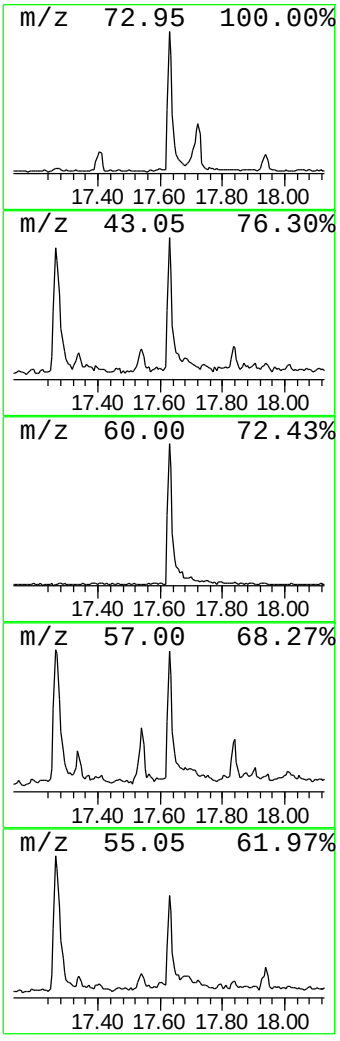
****

Peak Number 7 Octadecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	2.97 ng	325169	Chrysene-d12	19.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
3	n-Decanoic acid	172	C10H20O2	000334-48-5	64
4	Tridecanoic acid	214	C13H26O2	000638-53-9	62
5	2-Butenoic acid, 2-methoxy-3-met...	144	C7H12O3	056009-32-6	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP110819\
Data File : BP001015.D
Acq On : 08 Nov 2019 14:40
Operator : JU
Sample : K5609-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

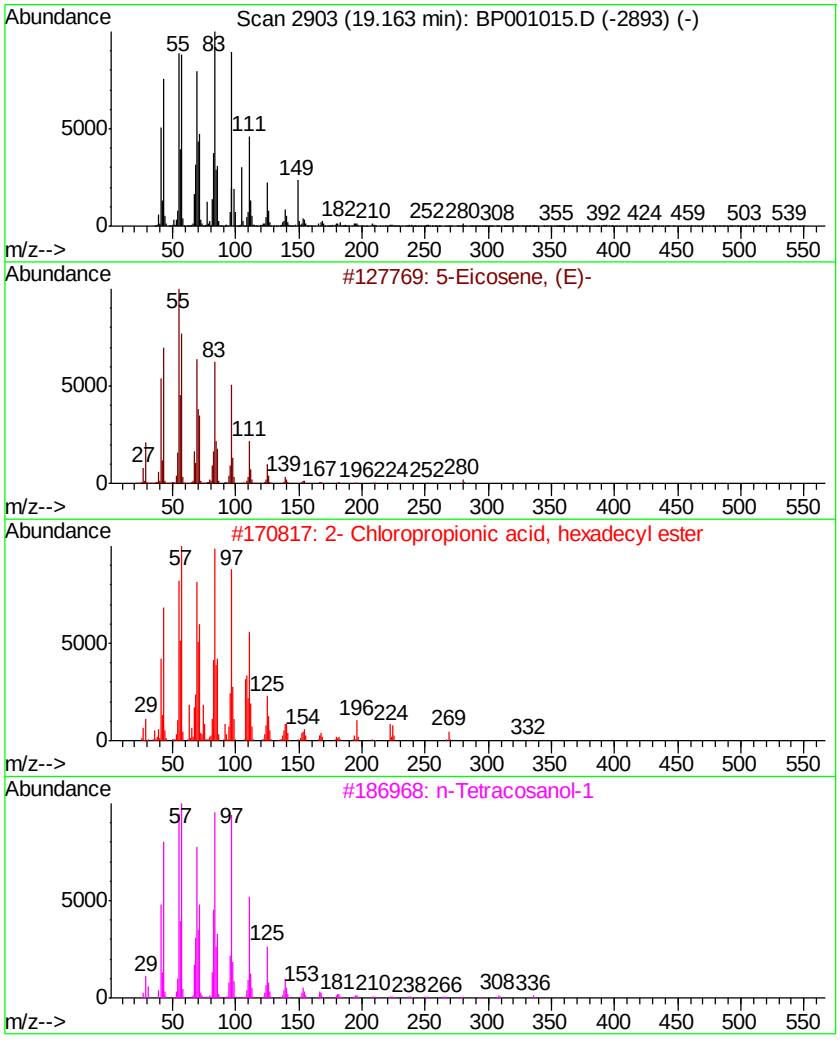
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

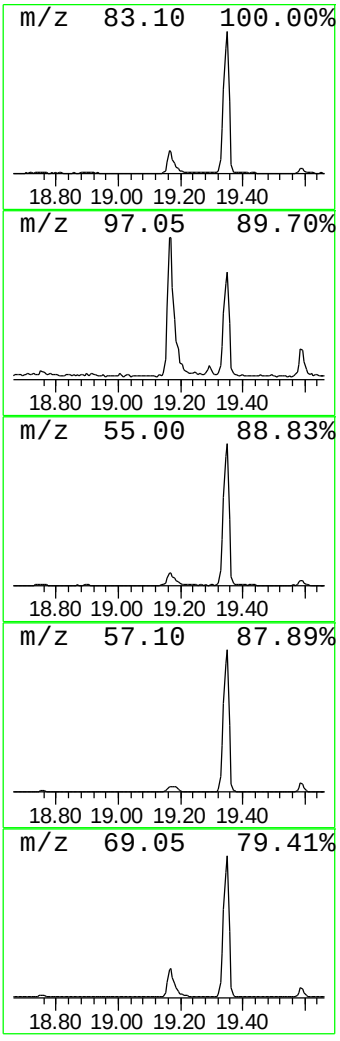
****

Peak Number 8 5-Eicosene, (E)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	8.78 ng	961097	Chrysene-d12	19.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	99
2	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	94
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
4	1-Heneicosanol	312	C21H44O	015594-90-8	94
5	1-Nonadecene	266	C19H38	018435-45-5	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP110819\
Data File : BP001015.D
Acq On : 08 Nov 2019 14:40
Operator : JU
Sample : K5609-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

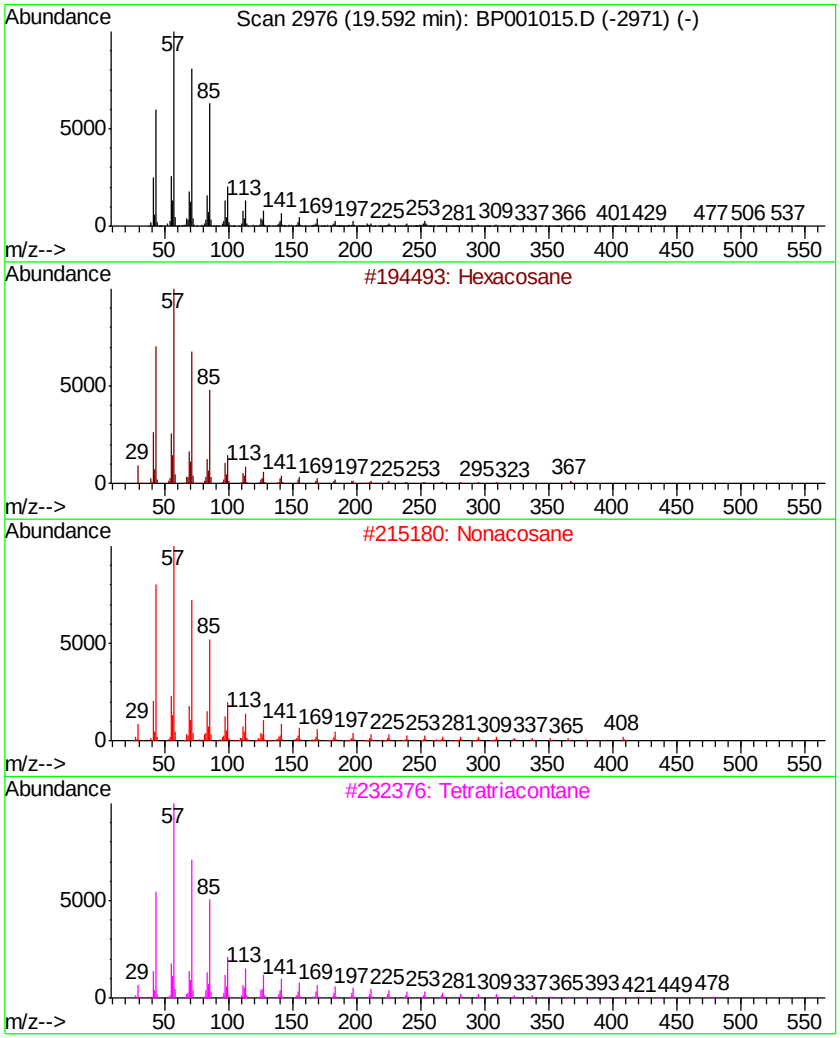
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

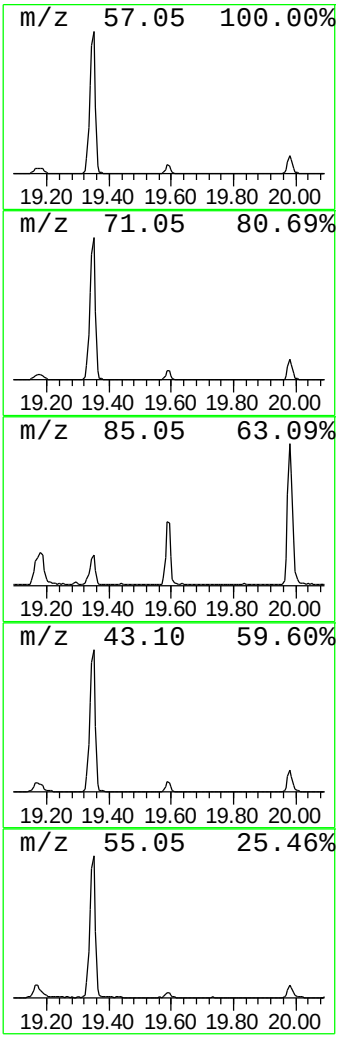
****

Peak Number 9 Tetratriacontane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.59	3.62 ng	395989	Chrysene-d12	19.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	94
2	Nonacosane	408	C29H60	000630-03-5	94
3	Tetratriacontane	479	C34H70	014167-59-0	93
4	Docosane, 11-butyl-	366	C26H54	013475-76-8	93
5	Heneicosane, 11-pentyl-	366	C26H54	014739-72-1	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP110819\
Data File : BP001015.D
Acq On : 08 Nov 2019 14:40
Operator : JU
Sample : K5609-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

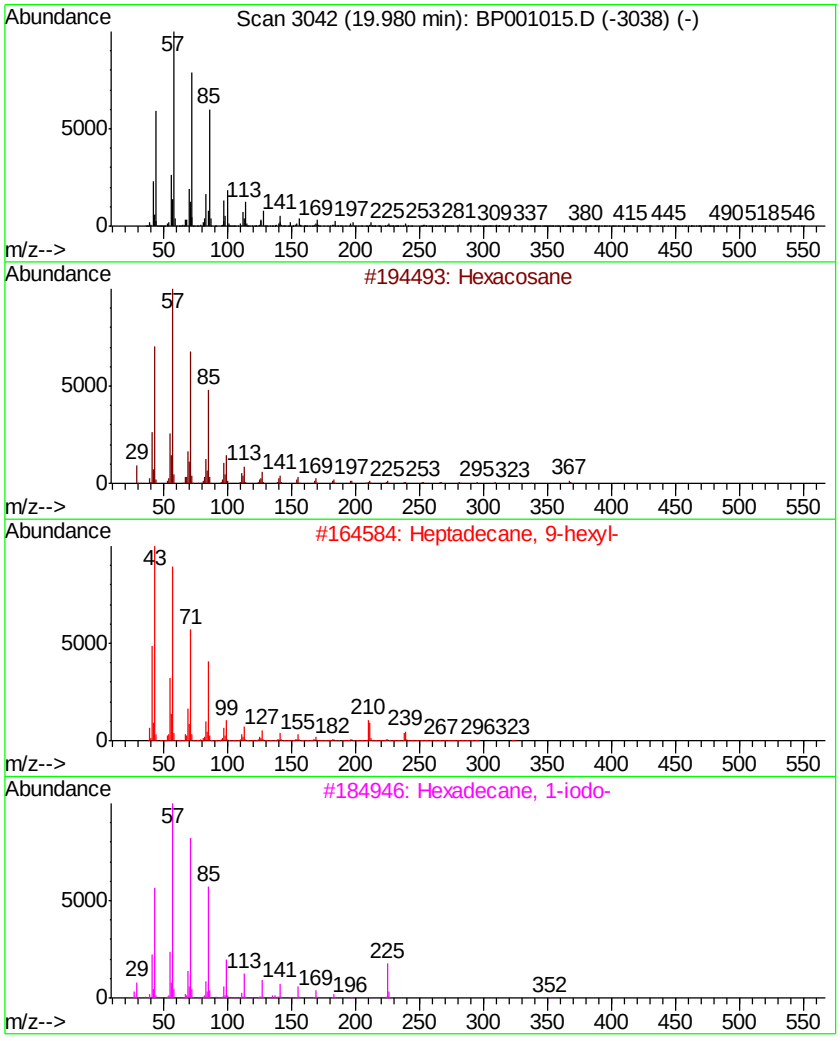
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

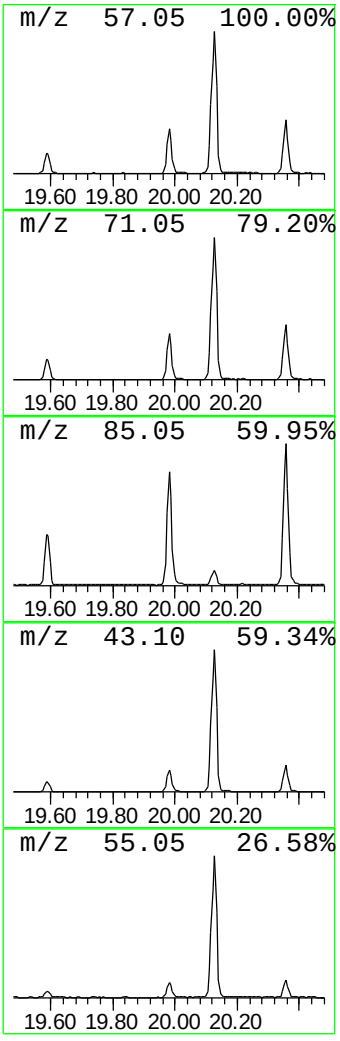
****

Peak Number 10 Heptadecane, 9-hexyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.98	8.16 ng	893141	Chrysene-d12	19.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	94
2	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	94
3	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	94
4	Docosane, 9-butyl-	366	C26H54	055282-14-9	94
5	Nonadecane	268	C19H40	000629-92-5	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP110819\
Data File : BP001015.D
Acq On : 08 Nov 2019 14:40
Operator : JU
Sample : K5609-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

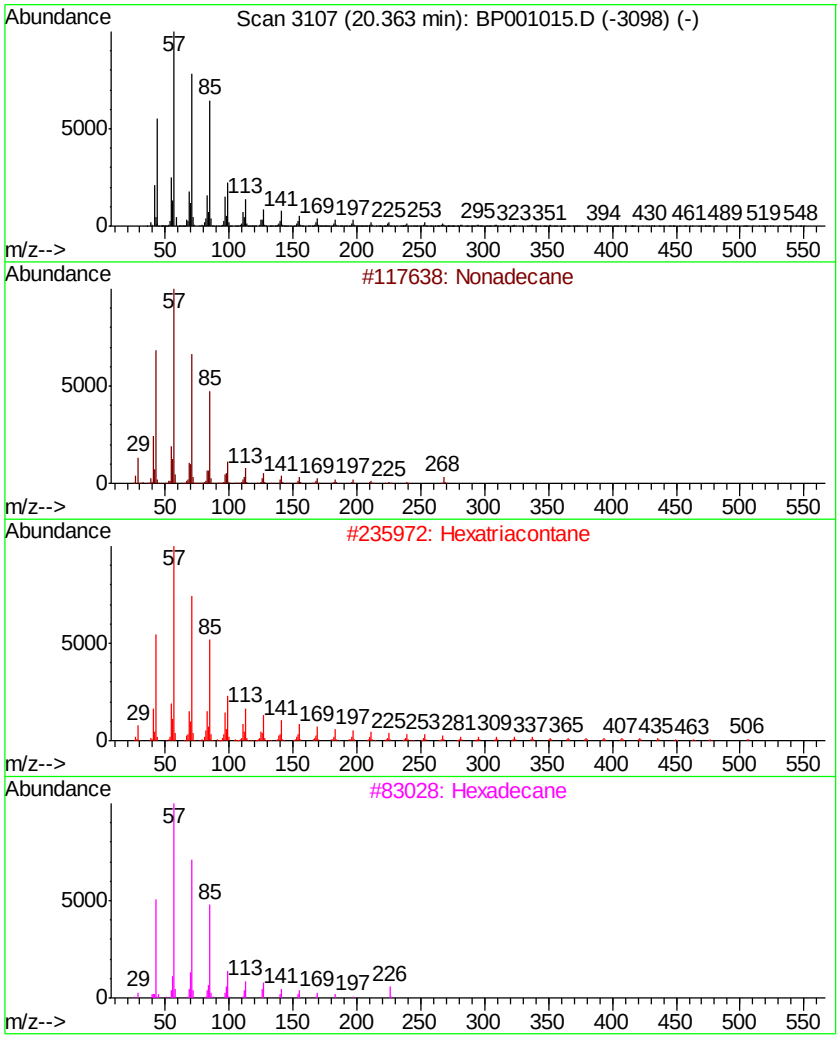
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

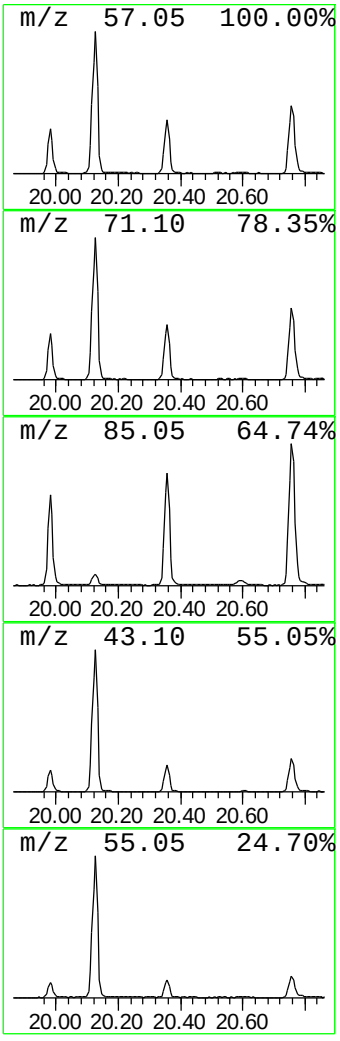
****

Peak Number 11 Nonadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.36	9.89 ng	1098780	Perylene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	94
2	Hexatriacontane	507	C36H74	000630-06-8	94
3	Hexadecane	226	C16H34	000544-76-3	94
4	Octadecane, 2-methyl-	268	C19H40	001560-88-9	93
5	Eicosane, 9-octyl-	394	C28H58	013475-77-9	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP110819\
Data File : BP001015.D
Acq On : 08 Nov 2019 14:40
Operator : JU
Sample : K5609-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

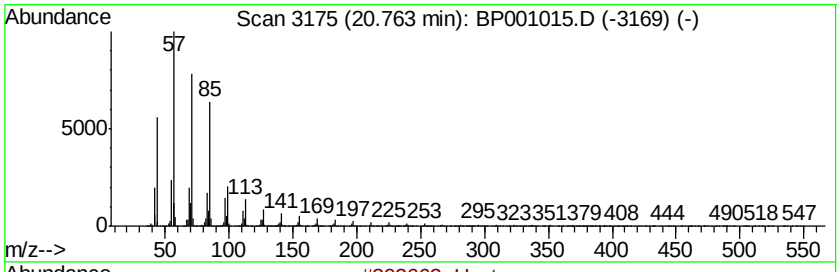
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

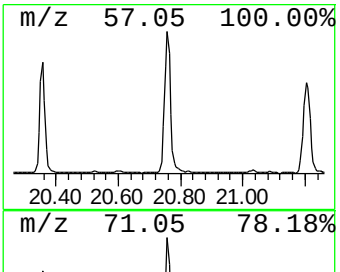
****

Peak Number 12 Heneicosane, 11-decyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	14.13 ng	1569580	Perylene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	99
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
3	Nonadecane	268	C19H40	000629-92-5	93
4	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	92
5	Tetratetracontane	619	C44H90	007098-22-8	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP110819\
Data File : BP001015.D
Acq On : 08 Nov 2019 14:40
Operator : JU
Sample : K5609-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

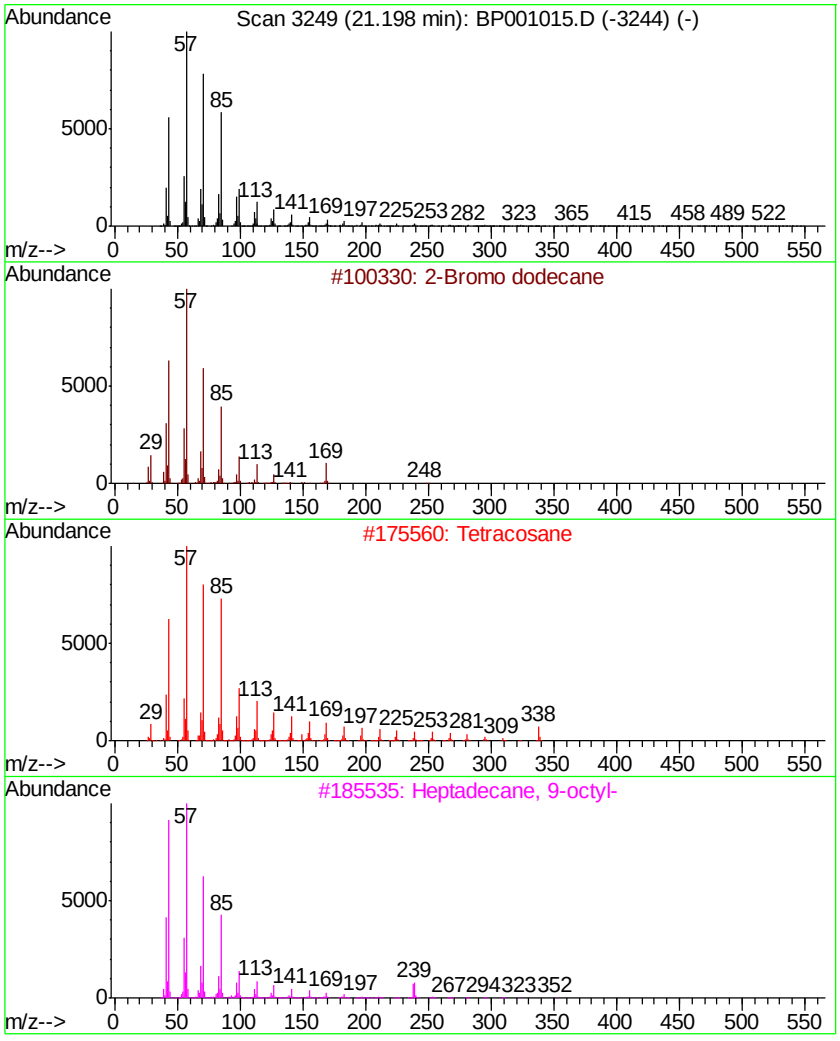
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

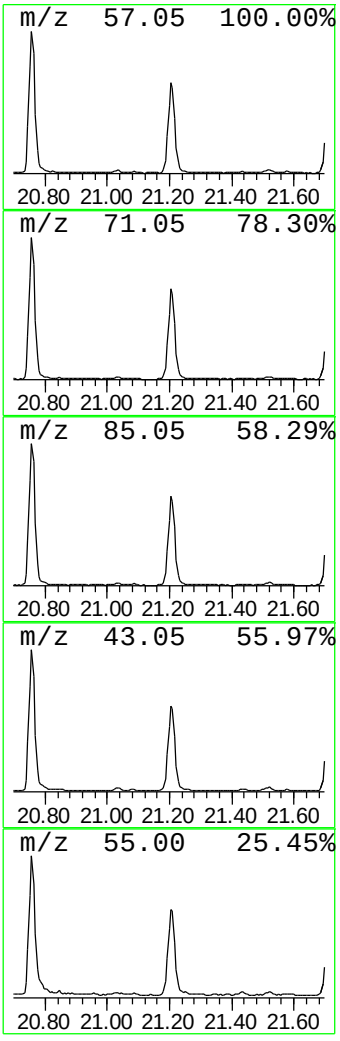
****

Peak Number 13 2-Bromo dodecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.20	10.44 ng	1159580	Perylene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	95
2	Tetracosane	338	C24H50	000646-31-1	95
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
4	Octacosane	394	C28H58	000630-02-4	93
5	Nonacosane	408	C29H60	000630-03-5	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP110819\
Data File : BP001015.D
Acq On : 08 Nov 2019 14:40
Operator : JU
Sample : K5609-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

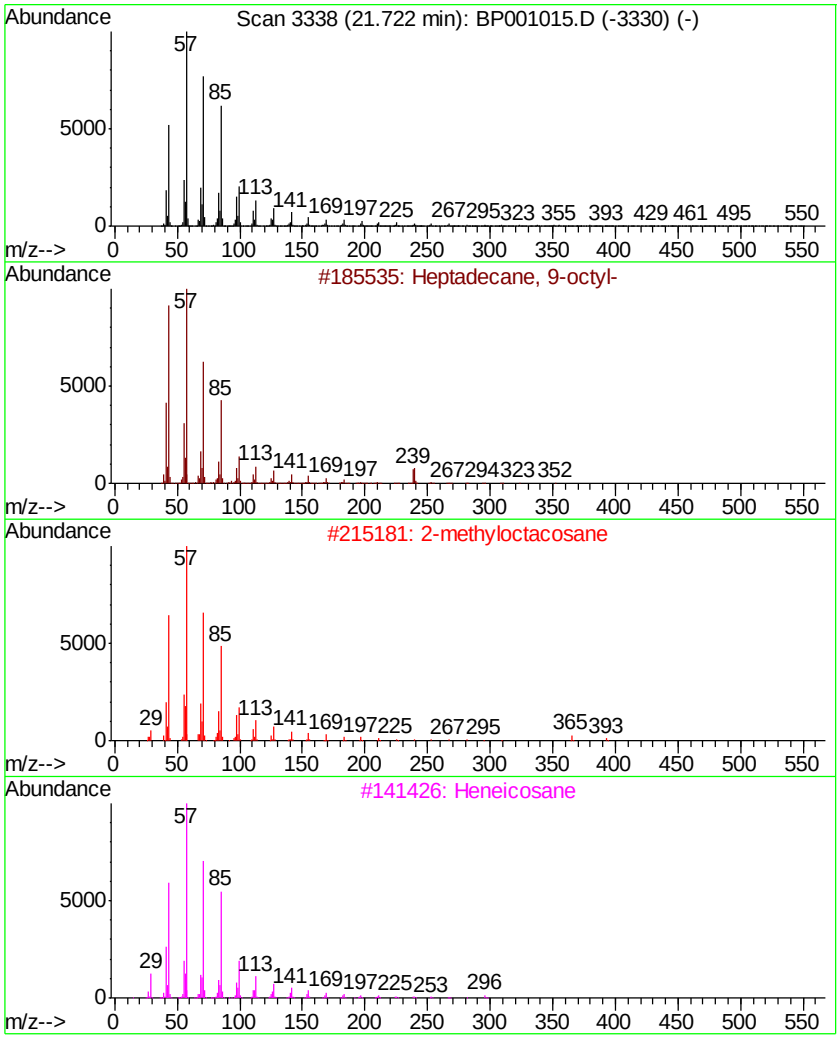
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

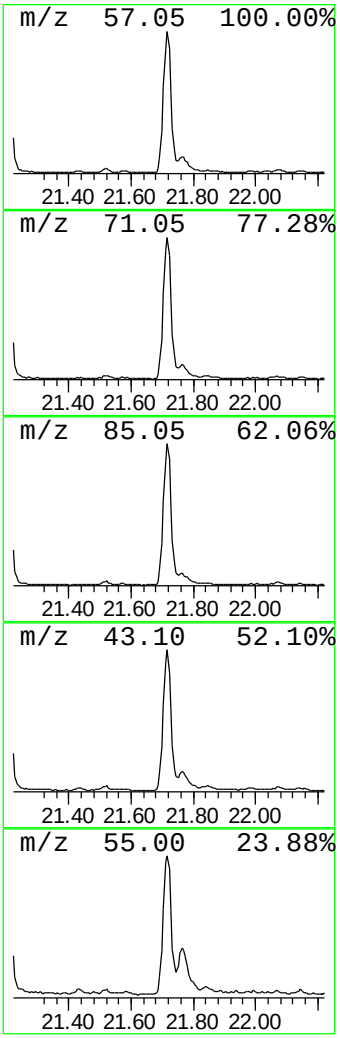
****

Peak Number 14 Heptadecane, 9-octyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.72	13.00 ng	1443770	Perylene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
2	2-methyloctacosane	408	C29H60	1000376-72-8	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Tetratriacontane	479	C34H70	014167-59-0	91
5	Triacontane	422	C30H62	000638-68-6	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP110819\
Data File : BP001015.D
Acq On : 08 Nov 2019 14:40
Operator : JU
Sample : K5609-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

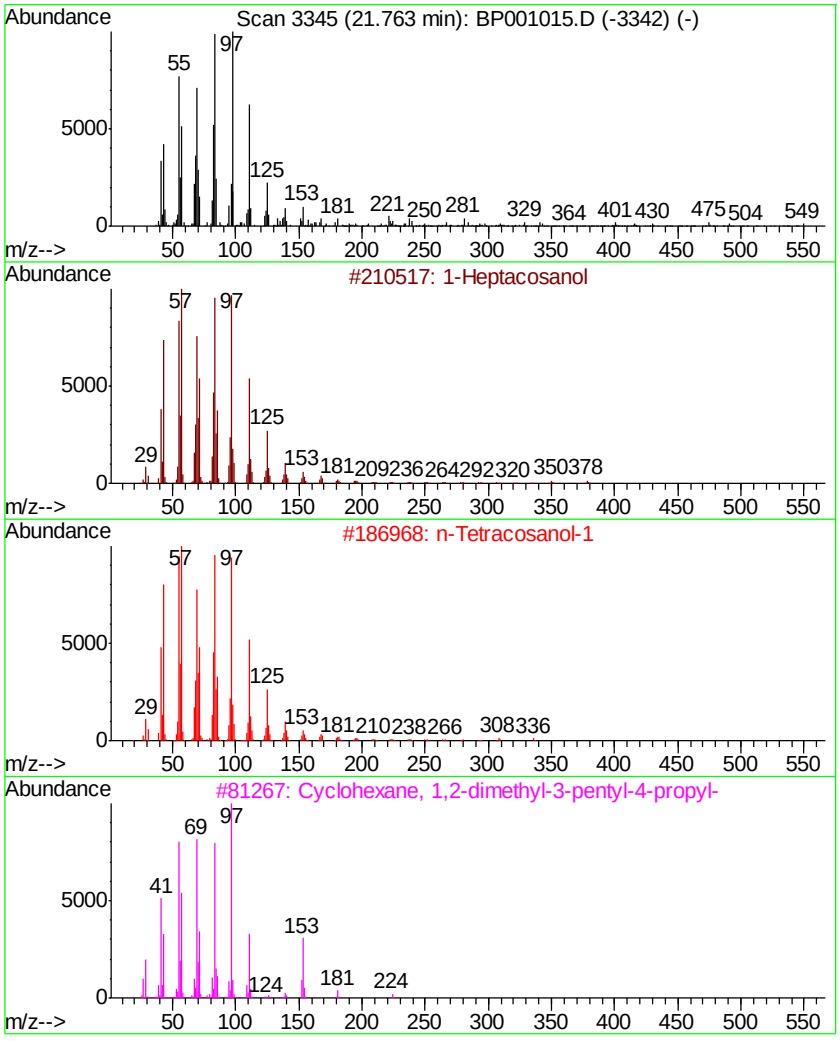
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

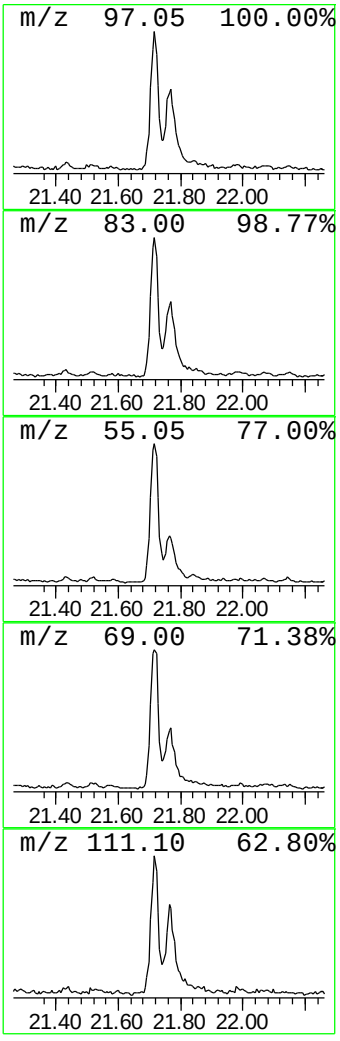
****

Peak Number 15 1-Heptacosanol Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.76	2.93 ng	325348	Perylene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	90
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	83
3	Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	53
4	9-Tricosene, (Z)-	322	C23H46	027519-02-4	50
5	Octacosanol	410	C28H58O	000557-61-9	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP110819\
Data File : BP001015.D
Acq On : 08 Nov 2019 14:40
Operator : JU
Sample : K5609-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

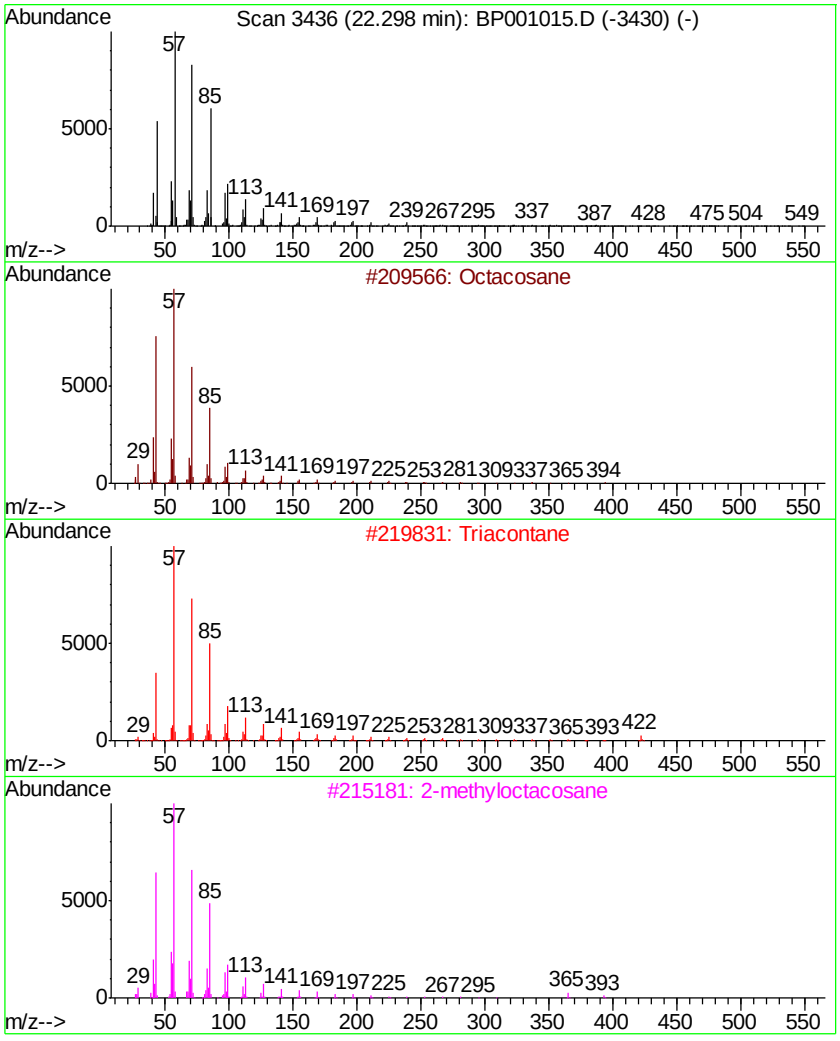
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

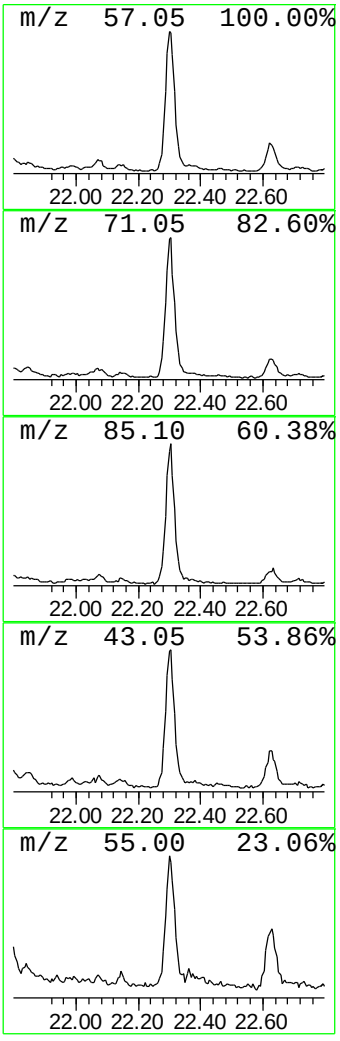
****

Peak Number 16 Octacosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.30	4.51 ng	500331	Perylene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	94
2	Triacontane	422	C30H62	000638-68-6	94
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Pentacosane	352	C25H52	000629-99-2	91
5	Hexacosane	366	C26H54	000630-01-3	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP110819\
Data File : BP001015.D
Acq On : 08 Nov 2019 14:40
Operator : JU
Sample : K5609-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

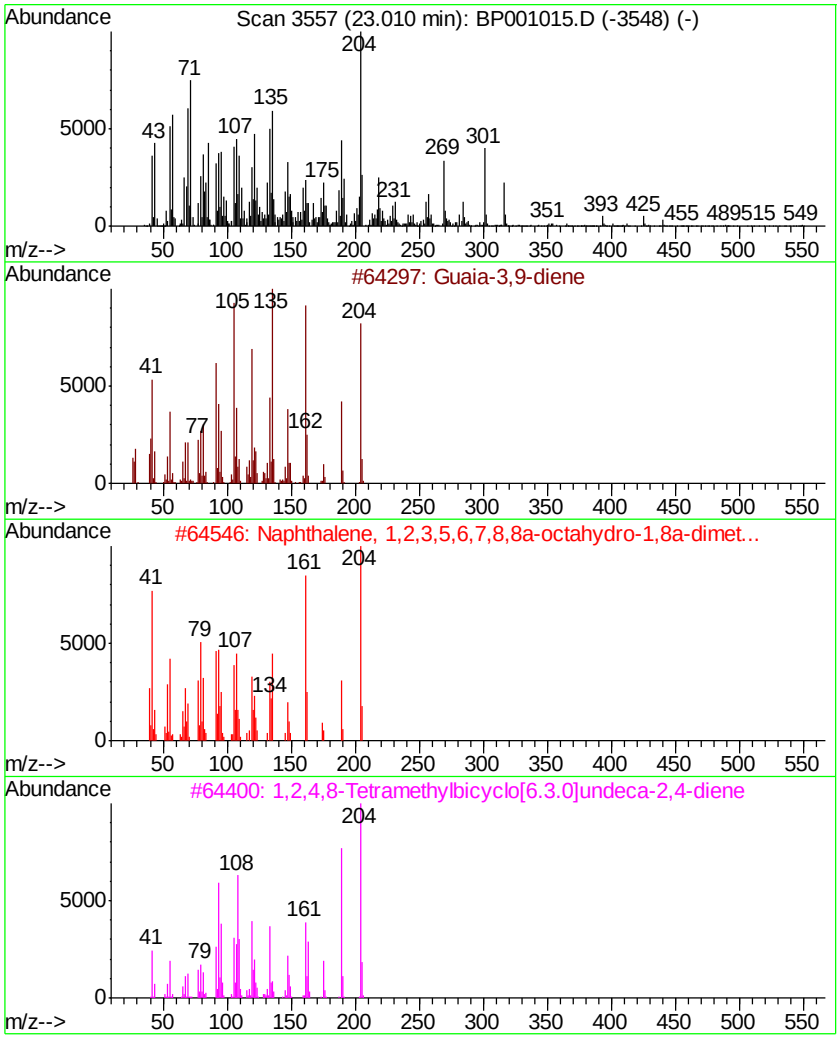
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

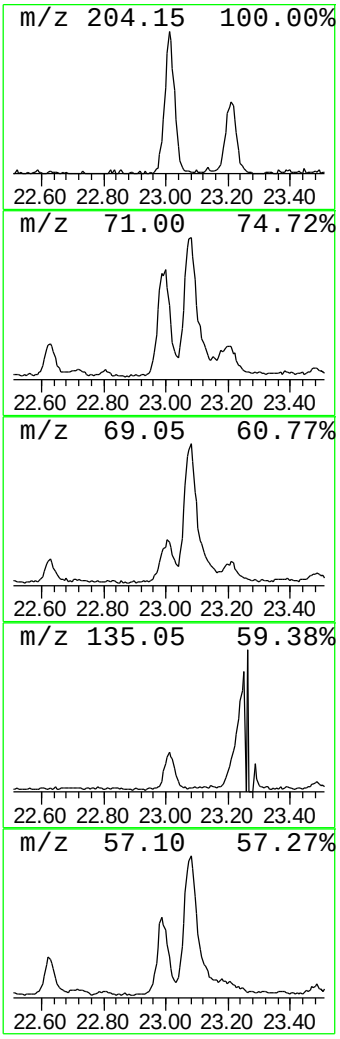
****

Peak Number 17 unknown23.01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.01	6.12 ng	680023	Perylene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Guaia-3,9-diene	204	C15H24	000489-83-8	41
2	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	38
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	35
4	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	35
5	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP110819\
Data File : BP001015.D
Acq On : 08 Nov 2019 14:40
Operator : JU
Sample : K5609-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

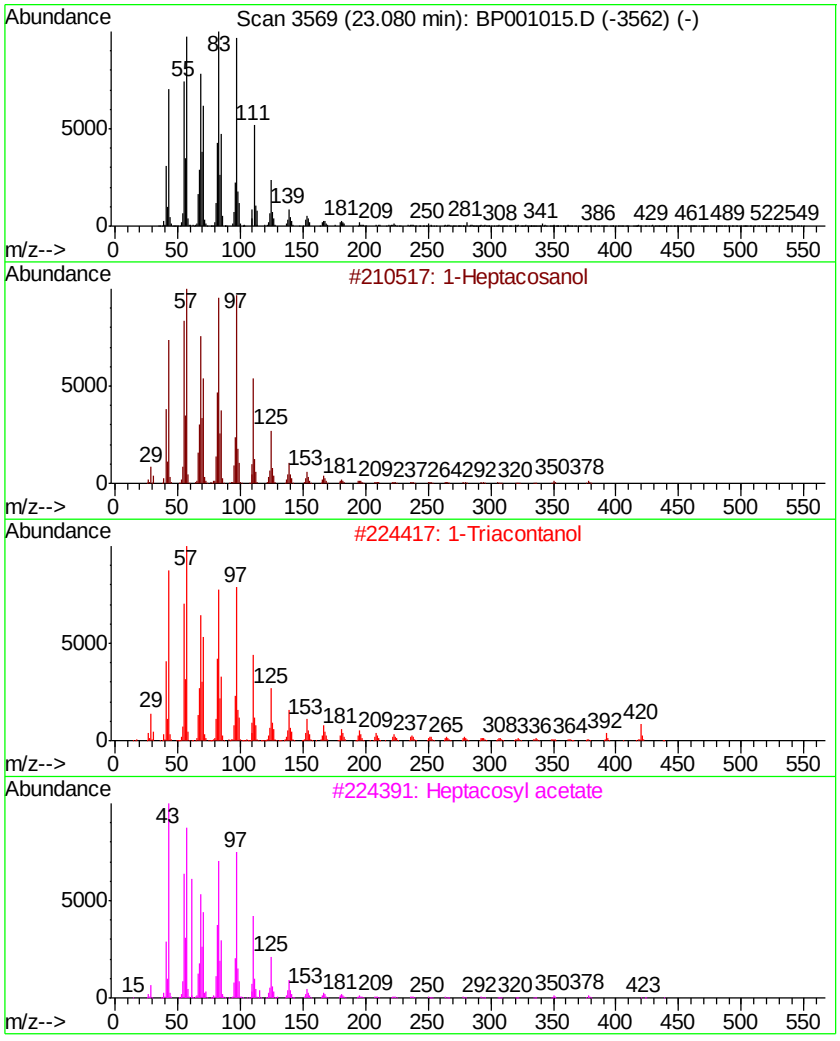
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

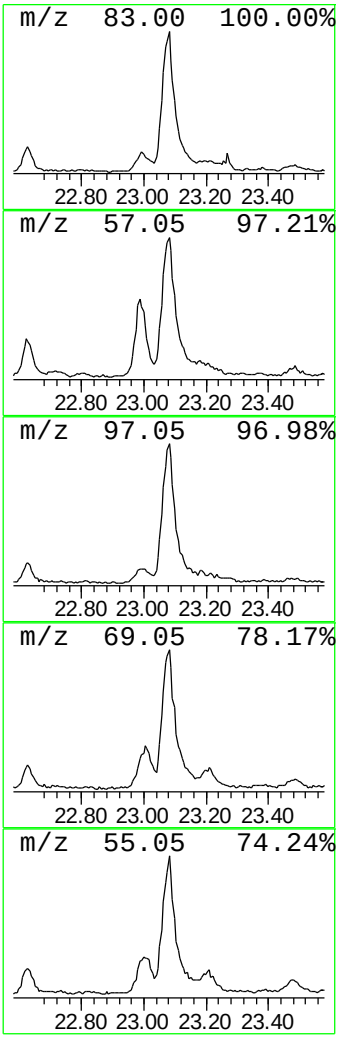
****

Peak Number 18 1-Triacontanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.08	9.99 ng	1109870	Perylene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	95
2	1-Triacontanol	438	C30H62O	000593-50-0	95
3	Heptacosyl acetate	438	C29H58O2	1000351-78-2	95
4	Octacosanol	410	C28H58O	000557-61-9	94
5	17-Pentatriacontene	491	C35H70	006971-40-0	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP110819\
Data File : BP001015.D
Acq On : 08 Nov 2019 14:40
Operator : JU
Sample : K5609-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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...	2.30	14.1	ng	852770	1	8.38	1211240	20.0
2-Pentanone, 4-hy...	5.73	12.8	ng	777415	1	8.38	1211240	20.0
2,6,6-Trimethyl-2...	9.90	4.9	ng	339986	2	10.40	1384570	20.0
2,4,7,9-Tetrameth...	12.43	2.4	ng	222169	3	13.27	1873940	20.0
n-Hexadecanoic acid	16.55	6.1	ng	624475	4	15.66	2061950	20.0
5-Octadecene, (E)-	17.26	4.3	ng	439078	4	15.66	2061950	20.0
Octadecanoic acid	17.63	3.0	ng	325169	5	19.29	2188700	20.0
5-Eicosene, (E)-	19.16	8.8	ng	961097	5	19.29	2188700	20.0
Tetratriacontane	19.59	3.6	ng	395989	5	19.29	2188700	20.0
Heptadecane, 9-he...	19.98	8.2	ng	893141	5	19.29	2188700	20.0
Nonadecane	20.36	9.9	ng	1098780	6	21.08	2221110	20.0
Heneicosane, 11-d...	20.76	14.1	ng	1569580	6	21.08	2221110	20.0
2-Bromo dodecane	21.20	10.4	ng	1159580	6	21.08	2221110	20.0
Heptadecane, 9-oc...	21.72	13.0	ng	1443770	6	21.08	2221110	20.0
1-Heptacosanol	21.76	2.9	ng	325348	6	21.08	2221110	20.0
Octacosane	22.30	4.5	ng	500331	6	21.08	2221110	20.0
unknown23.01	23.01	6.1	ng	680023	6	21.08	2221110	20.0
1-Triacontanol	23.08	10.0	ng	1109870	6	21.08	2221110	20.0