LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135092.D
Acq On : 05 Sep 2023 13:19
Operator : CG\JU
Sample : 04212-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-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-BF083023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135092.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.122	3	6	13	rVB	20179	29160	1.59%	0.142%
2	4.998	492	495	500	rVB	36948	41778	2.28%	0.203%
3	5.398	559	563	566	rBV	2038246	1829637	100.00%	8.887%
4	6.046	670	673	676	rBV	23923	21389	1.17%	0.104%
5	6.410	730	735	738	rBV	1960478	1822477	99.61%	8.852%
6	6.604	765	768	773	rBV	17735	21948	1.20%	0.107%
7	6.769	793	796	800	rBV	816181	622591	34.03%	3.024%
8	7.334	887	892	895	rBV	1343240	1183015	64.66%	5.746%
9	8.051	1010	1014	1017	rBV	854565	769809	42.07%	3.739%
10	9.128	1193	1197	1200	rBV	2107164	1629825	89.08%	7.916%
11	9.245	1213	1217	1220	rBV	33630	31701	1.73%	0.154%
12	9.398	1240	1243	1246	rVB2	26141	20933	1.14%	0.102%
13	9.463	1251	1254	1257	rVB	33252	26365	1.44%	0.128%
14	9.663	1284	1288	1294	rVB2	36079	44466	2.43%	0.216%
15	9.804	1309	1312	1316	rBV	933695	792777	43.33%	3.851%
16	9.928	1330	1333	1337	rVB2	34582	30145	1.65%	0.146%
17	10.598	1443	1447	1452	rBV	1247865	1057366	57.79%	5.136%
18	10.722	1465	1468	1475	rVB3	27443	31981	1.75%	0.155%
19	10.969	1507	1510	1515	rBV5	15070	21573	1.18%	0.105%
20	11.251	1555	1558	1562	rBV5	21258	25605	1.40%	0.124%
21	11.298	1562	1566	1569	rVV	894155	756540	41.35%	3.675%
22	11.322	1569	1570	1574	rVV	79575	62045	3.39%	0.301%
23	11.375	1574	1579	1582	rVV2	34571	51903	2.84%	0.252%
24	11.410	1582	1585	1588	rVV4	29382	33645	1.84%	0.163%
25	11.439	1588	1590	1594	rVB2	26383	22610	1.24%	0.110%
26	11.763	1640	1645	1647	rBV4	31587	42767	2.34%	0.208%
27	11.833	1654	1657	1668	rVB2	408432	455582	24.90%	2.213%
28	11.916	1668	1671	1673	rBV2	30972	30153	1.65%	0.146%
29	11.992	1679	1684	1686	rBV4	67407	77498	4.24%	0.376%
30	12.086	1697	1700	1705	rBV6	17151	36934	2.02%	0.179%
31	12.186	1715	1717	1722	rVB4	30928	23750	1.30%	0.115%
32	12.351	1742	1745	1747	rBV2	26928	25435	1.39%	0.124%
33	12.380	1747	1750	1752	rBV	79907	72554	3.97%	0.352%
34	12.439	1758	1760	1764	rBV	17898	24453	1.34%	0.119%
35	12.516	1770	1773	1776	rBV	195342	183553	10.03%	0.892%
36	12.557	1776	1780	1787	rVB2	106891	169713	9.28%	0.824%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135092.D
Acq On : 05 Sep 2023 13:19
Operator : CG\JU
Sample : 04212-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-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-BF083023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.627	1787	1792	1796	rBV2	99421	135340	7.40%	0.657%
38	12.745	1805	1812	1815	rBV	193978	191758	10.48%	0.931%
39	12.892	1834	1837	1844	rVB	1092006	964082	52.69%	4.683%
40	13.139	1876	1879	1881	rBV3	39951	44925	2.46%	0.218%
41	13.274	1900	1902	1903	rBV	44990	32870	1.80%	0.160%
42	13.310	1904	1908	1910	rVV4	61380	102177	5.58%	0.496%
43	13.416	1922	1926	1932	rVB2	218669	232492	12.71%	1.129%
44	13.657	1965	1967	1971	rVB2	128915	116049	6.34%	0.564%
45	13.751	1980	1983	1989	rVB	258397	245089	13.40%	1.190%
46	13.821	1992	1995	2003	rVB	145010	214918	11.75%	1.044%
47	13.951	2013	2017	2020	rBV2	601989	644456	35.22%	3.130%
48	13.980	2020	2022	2027	rVB	118738	109096	5.96%	0.530%
49	14.027	2027	2030	2033	rBV3	56557	72524	3.96%	0.352%
50	14.439	2097	2100	2102	rBV2	72419	75669	4.14%	0.368%
51	14.463	2102	2104	2112	rVB3	142150	205087	11.21%	0.996%
52	14.992	2191	2194	2198	rBV	138449	202012	11.04%	0.981%
53	15.086	2206	2210	2214	rBV2	251822	295339	16.14%	1.434%
54	15.357	2253	2256	2262	rVB	121574	147724	8.07%	0.718%
55	15.421	2263	2267	2271	rBV	437056	567235	31.00%	2.755%
56	15.910	2346	2350	2355	rBV	224973	351179	19.19%	1.706%
57	15.980	2359	2362	2371	rVB4	131796	307359	16.80%	1.493%
58	17.527	2618	2625	2639	rVB7	248082	908687	49.66%	4.414%
59	17.992	2696	2704	2711	rBV6	147536	557388	30.46%	2.707%
60	18.068	2712	2717	2729	rVB6	241796	710906	38.86%	3.453%
61	18.333	2755	2762	2780	rBV6	194952	1030292	56.31%	5.004%

Sum of corrected areas: 20588329

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Data File : BF135092.D
Acq On : 05 Sep 2023 13:19
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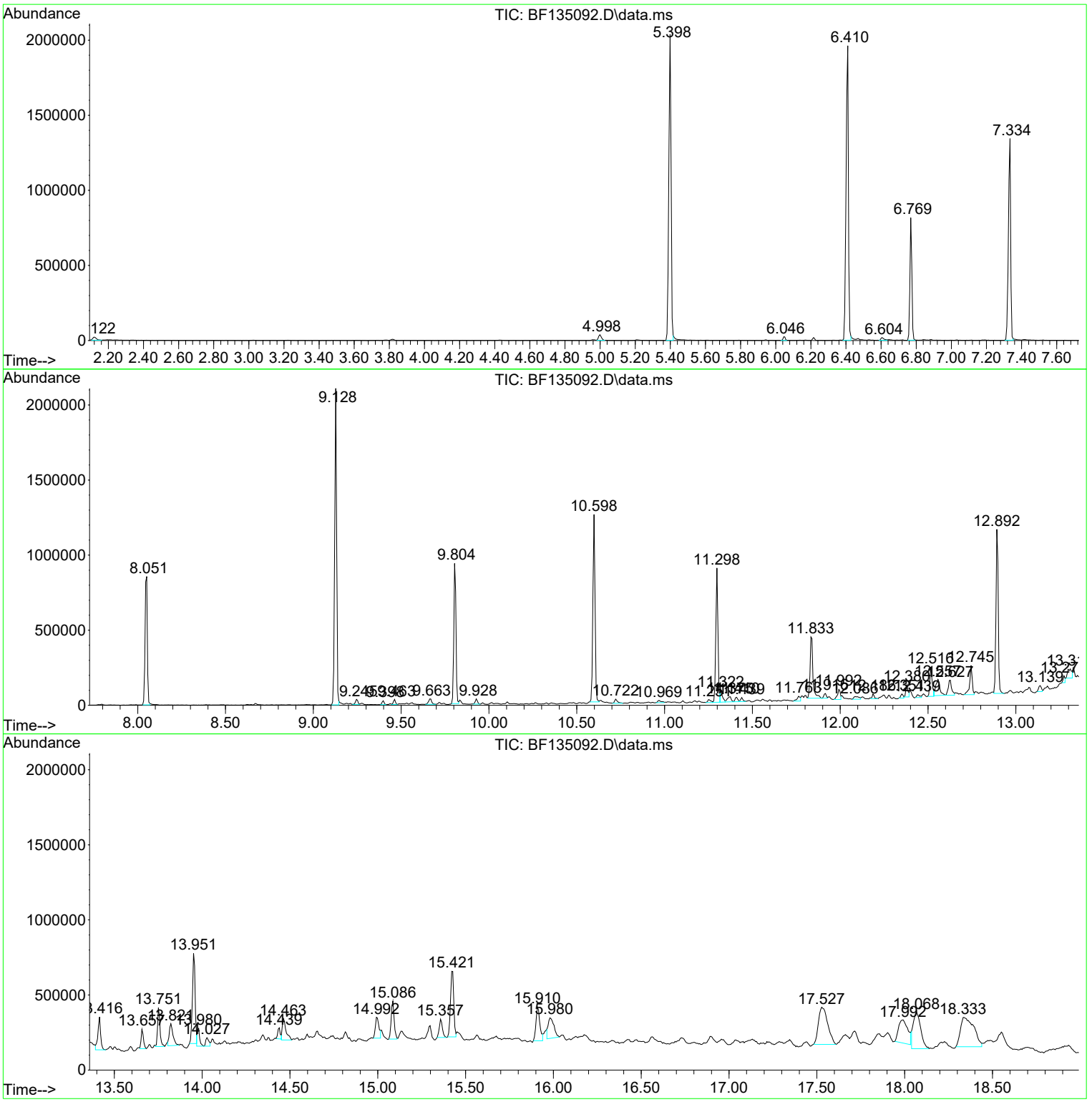
Sample : 04212-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135092.D
Acq On : 05 Sep 2023 13:19
Operator : CG\JU
Sample : 04212-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

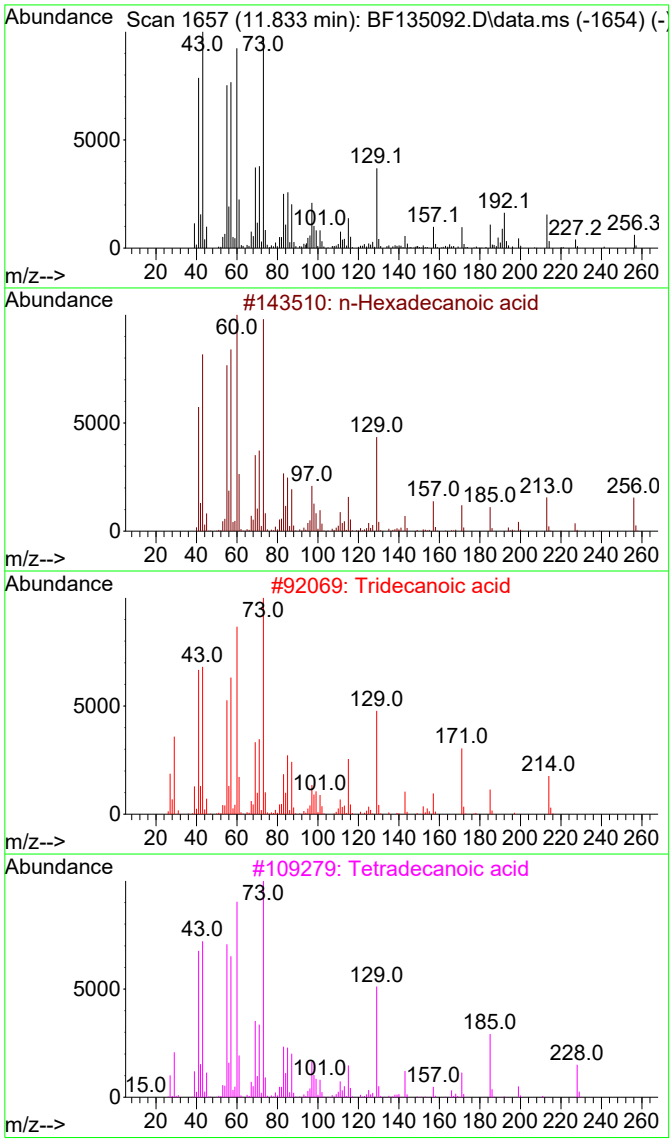
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

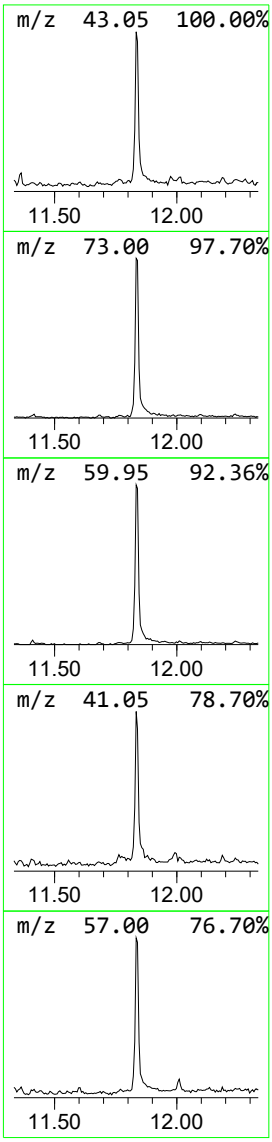
****

Peak Number 1 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.833	12.04 ng	455582	Phenanthrene-d10	11.298

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	94
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135092.D
Acq On : 05 Sep 2023 13:19
Operator : CG\JU
Sample : 04212-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

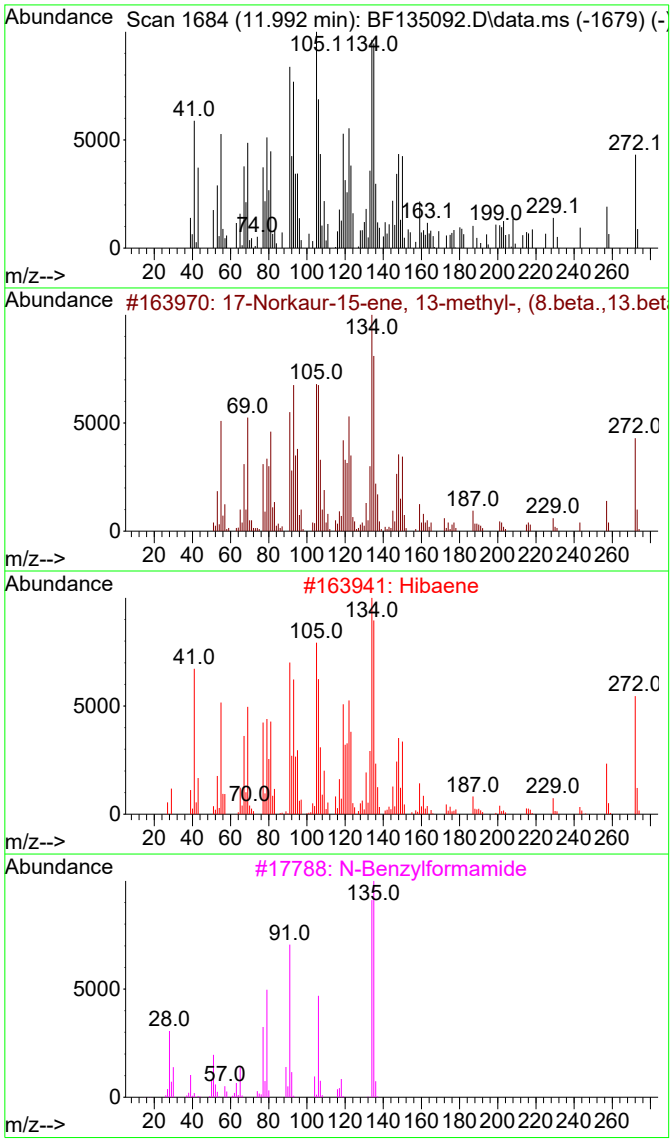
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

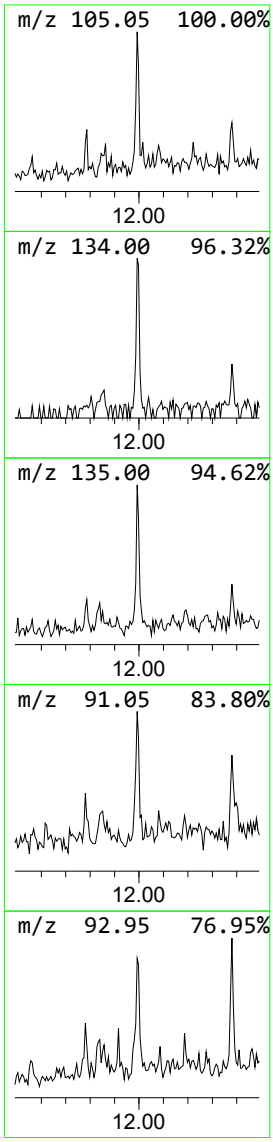
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 17-Norkaur-15-ene, 13-methy... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	2.05 ng	77498	Phenanthrene-d10	11.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Norkaur-15-ene, 13-methyl-, (...	272	C20H32	003564-54-3	99
2	Hibaene	272	C20H32	002359-73-1	99
3	N-Benzylformamide	135	C8H9NO	006343-54-0	30
4	2-Allylphenol	134	C9H10O	001745-81-9	30
5	5,8,11,14-Eicosatetraenoic acid,...	318	C21H34O2	002566-89-4	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135092.D
Acq On : 05 Sep 2023 13:19
Operator : CG\JU
Sample : 04212-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

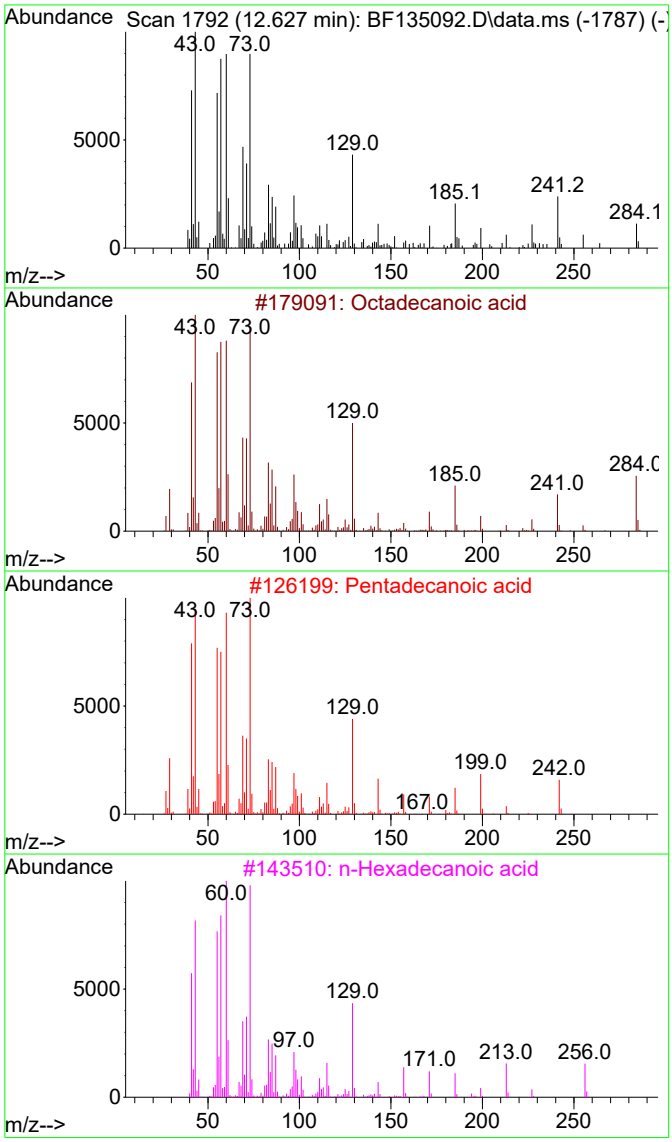
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

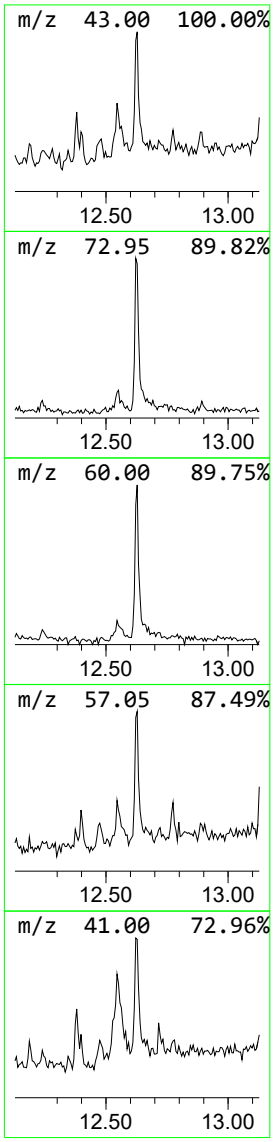
****

Peak Number 3 Octadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.627	4.20 ng	135340	Chrysene-d12	13.951

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	94
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	Tridecanoic acid	214	C13H26O2	000638-53-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135092.D
Acq On : 05 Sep 2023 13:19
Operator : CG\JU
Sample : 04212-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

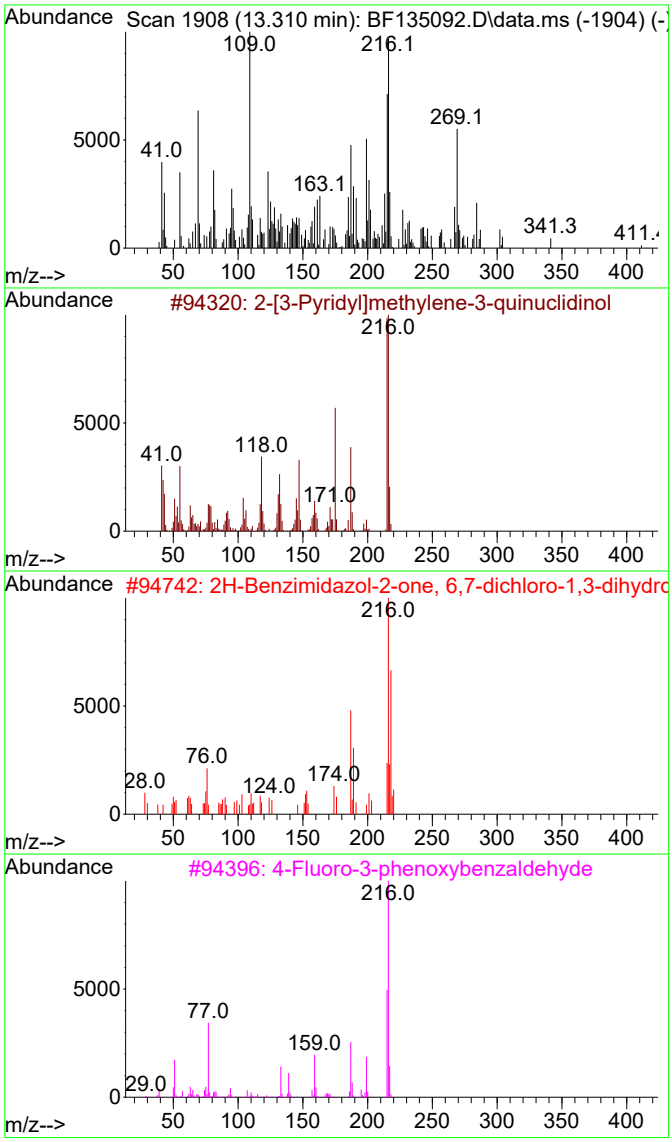
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

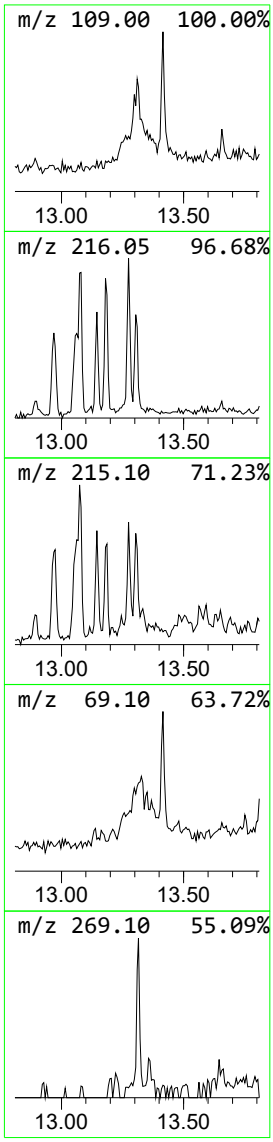
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2-[3-Pyridyl]methylene-3-qu... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.310	3.17 ng	102177	Chrysene-d12	13.951

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[3-Pyridyl]methylene-3-quinucl...	216	C13H16N2O	273748-56-4	55
2	2H-Benzimidazol-2-one, 6,7-dichl...	216	C8H6Cl2N2O	077572-79-3	38
3	4-Fluoro-3-phenoxybenzaldehyde	216	C13H9FO2	068359-57-9	38
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	38
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	30





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Data File : BF135092.D
Acq On : 05 Sep 2023 13:19
Operator : CG\JU
Sample : 04212-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

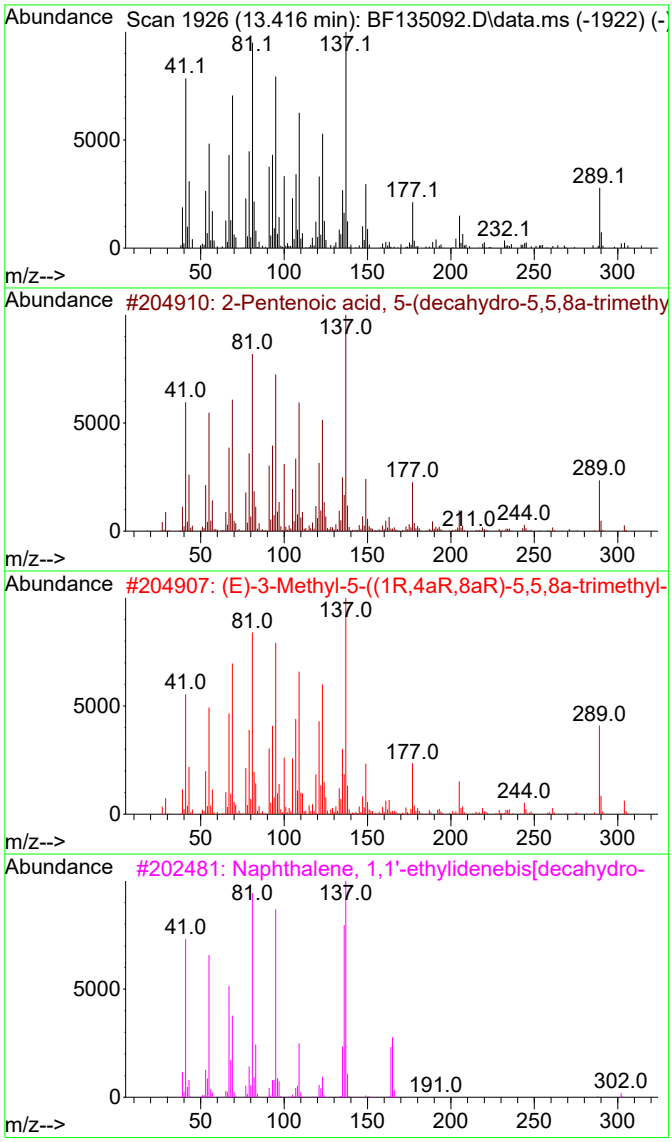
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

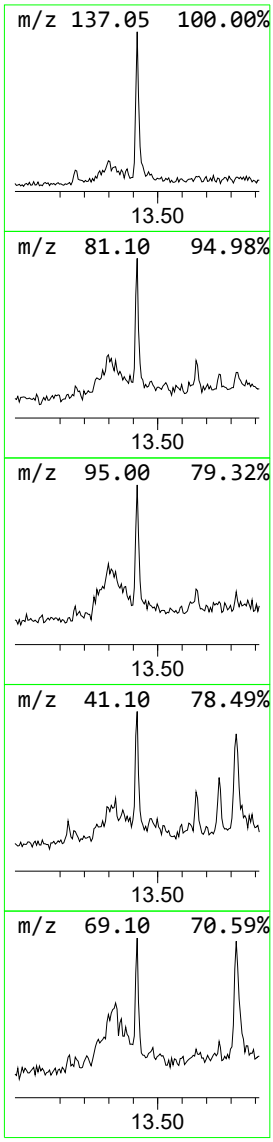
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 2-Pentenoic acid, 5-(decahy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.416	7.22 ng	232492	Chrysene-d12	13.951

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentenoic acid, 5-(decahydro-5...	304	C20H32O2	024470-48-2	99
2	(E)-3-Methyl-5-((1R,4aR,8aR)-5,5...	304	C20H32O2	020257-75-4	81
3	Naphthalene, 1,1'-ethylidenebis[...	302	C22H38	054934-70-2	60
4	Naphthalene, 1,1'-methylenebis[d...	288	C21H36	055125-02-5	52
5	Naphthalene, 2-butyldecahydro-	194	C14H26	006305-52-8	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135092.D
Acq On : 05 Sep 2023 13:19
Operator : CG\JU
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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

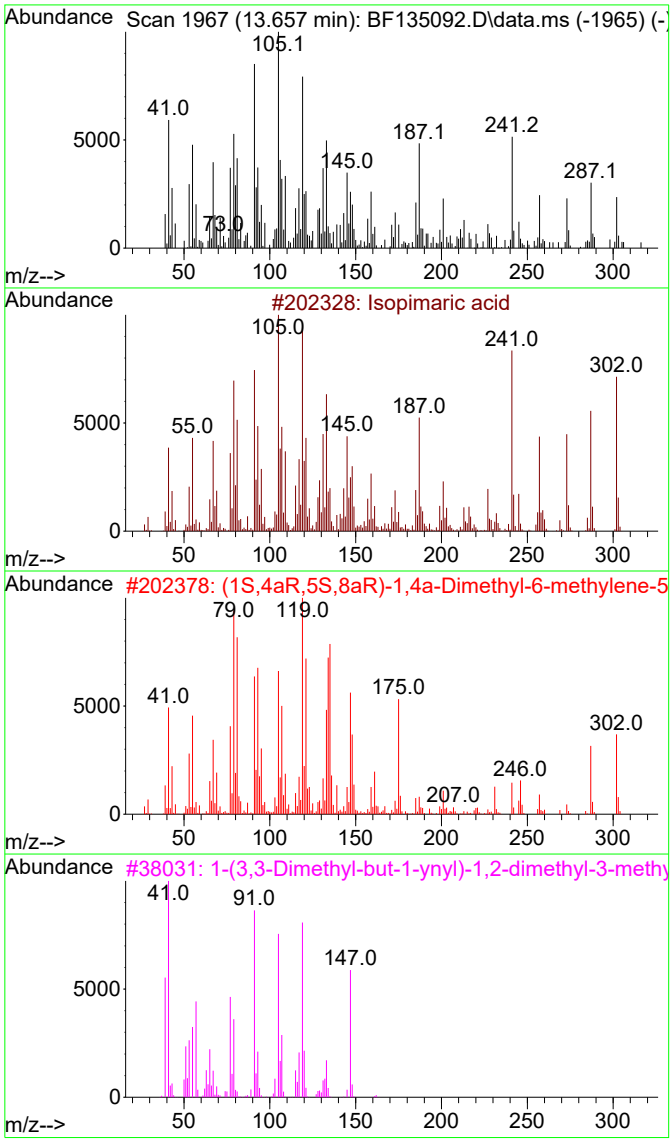
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

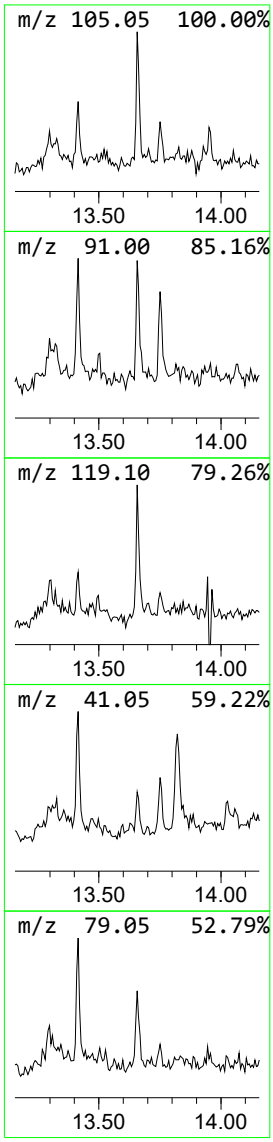
****

Peak Number 6 Isopimaric acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.657	3.60 ng	116049	Chrysene-d12	13.951

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopimaric acid	302	C20H30O2	005835-26-7	99
2	(1S,4aR,5S,8aR)-1,4a-Dimethyl-6-...	302	C20H30O2	002761-77-5	44
3	1-(3,3-Dimethyl-but-1-ynyl)-1,2-...	162	C12H18	1000275-87-0	35
4	10,12-Tricosadiynoic acid, methy...	360	C24H40O2	1010333-59-4	35
5	Disiloxane, 1,1,3,3-tetramethyl-	134	C4H14OSi2	003277-26-7	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135092.D
Acq On : 05 Sep 2023 13:19
Operator : CG\JU
Sample : 04212-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

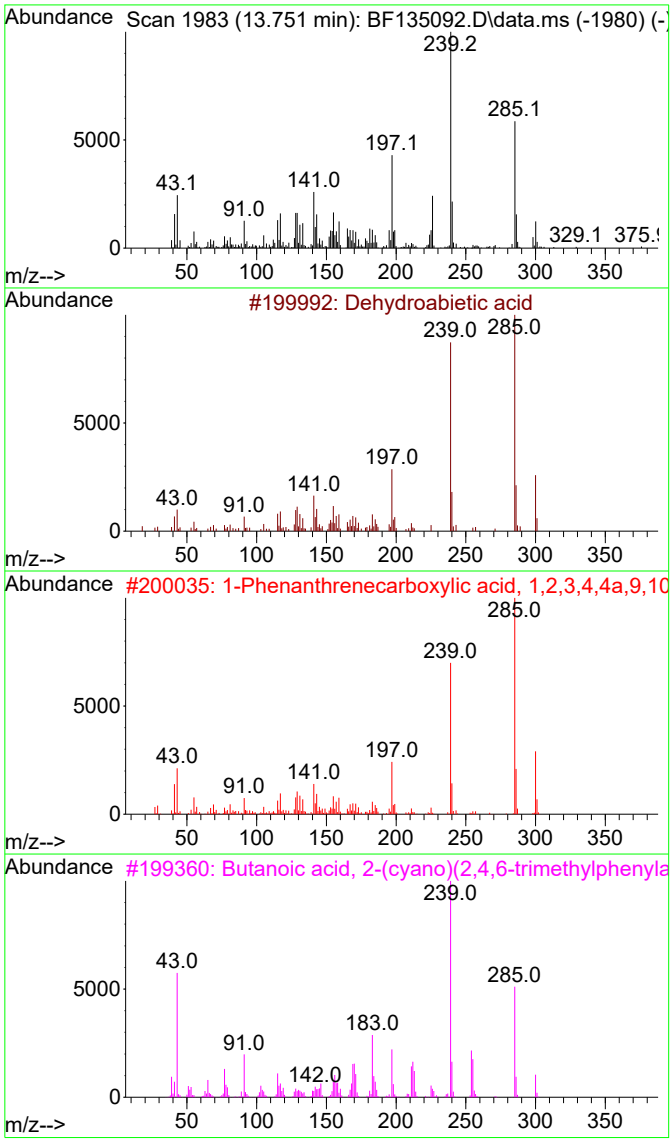
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

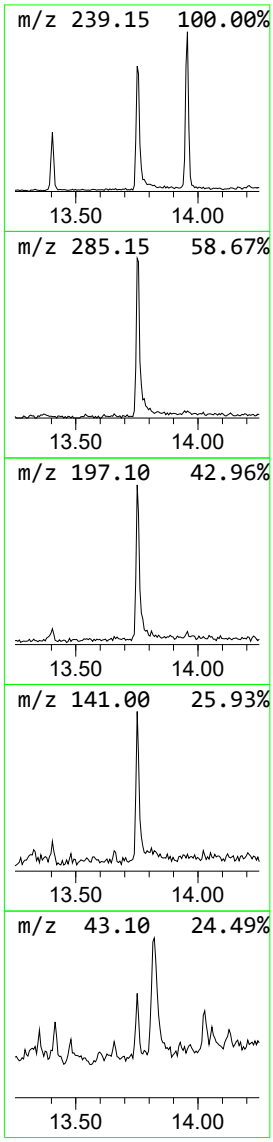
****

Peak Number 7 Dehydroabietic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.751	7.61 ng	245089	Chrysene-d12	13.951

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydroabietic acid	300	C20H28O2	001740-19-8	94
2	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	94
3	Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	52
4	2-Ethylidene-hydrazono-3-methyl-...	239	C10H10ClN3S	1000148-08-4	45
5	Methyl dehydroabietate	314	C21H30O2	001235-74-1	43





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Data File : BF135092.D
Acq On : 05 Sep 2023 13:19
Operator : CG\JU
Sample : 04212-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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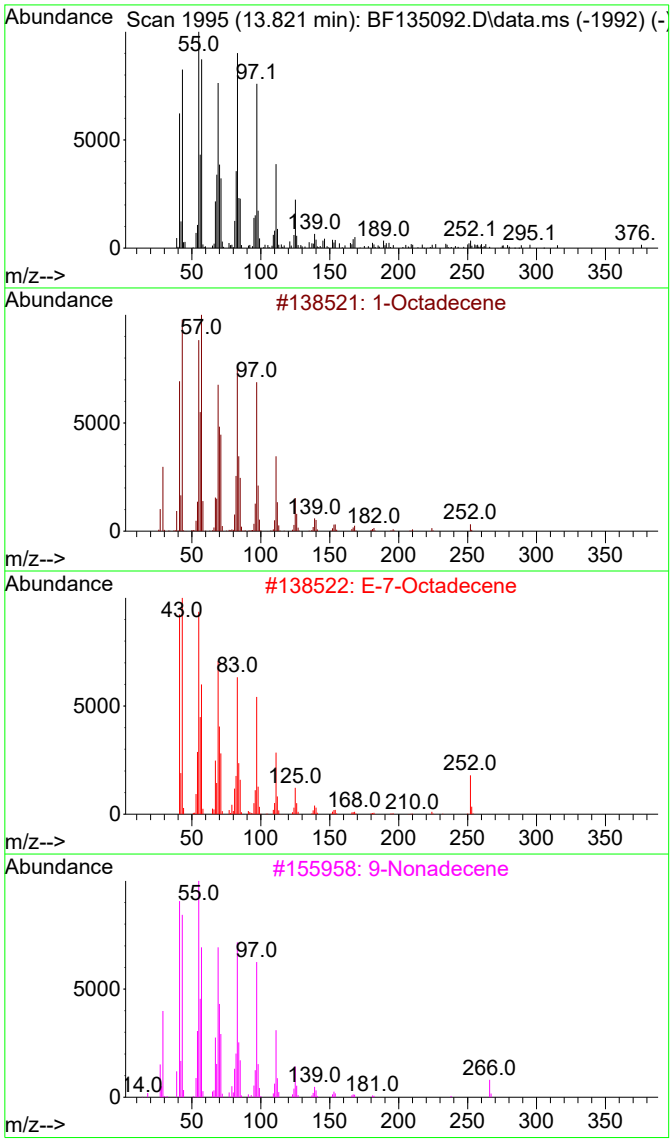
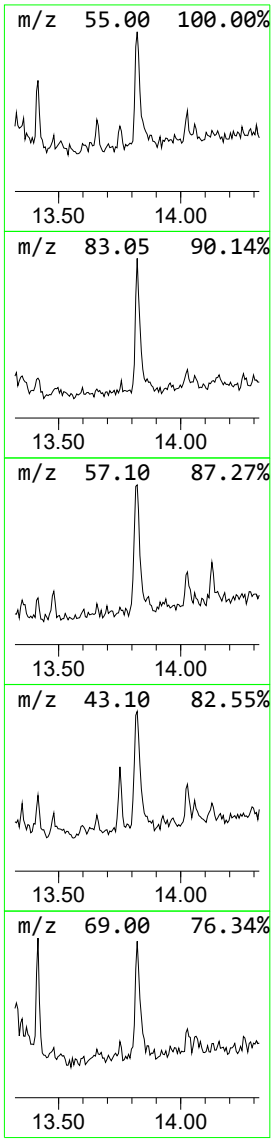
Peak Number 8 1-Octadecene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.822	6.67 ng	214918	Chrysene-d12	13.951

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecene	252	C18H36	000112-88-9	95
2	E-7-Octadecene	252	C18H36	1000130-92-0	94
3	9-Nonadecene	266	C19H38	031035-07-1	93
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
5	n-Nonadecanol-1	284	C19H40O	001454-84-8	91





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Operator : CG\JU
Sample : 04212-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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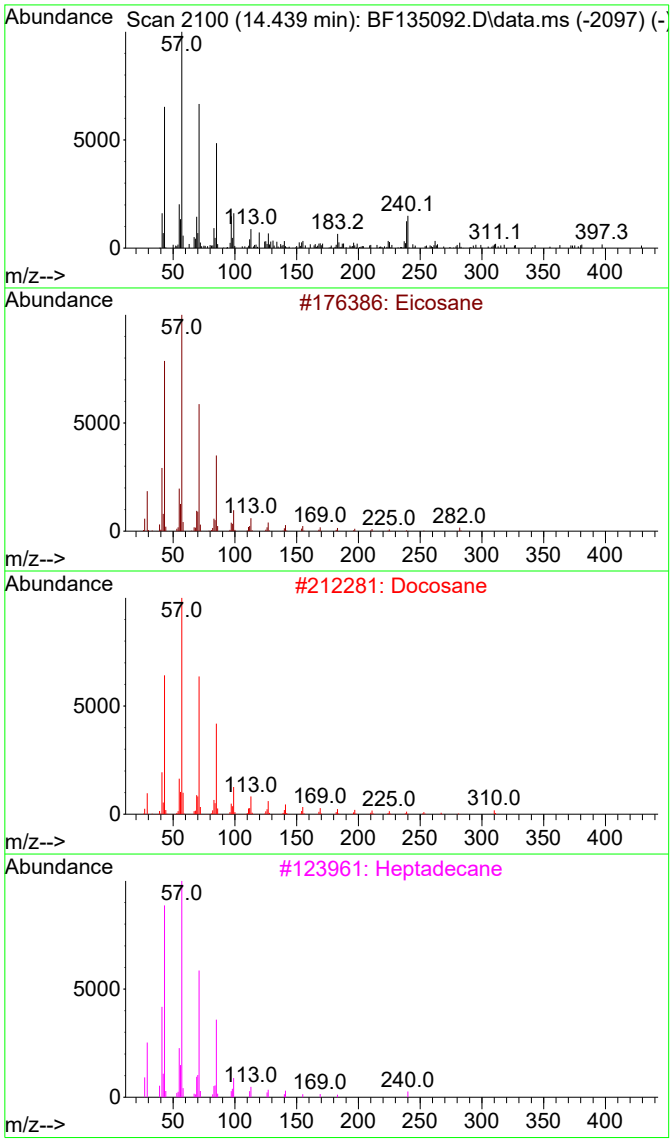
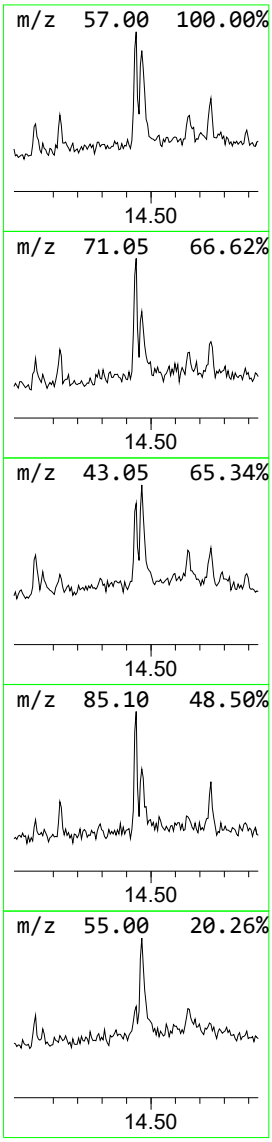
Peak Number 9 Eicosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.439	2.35 ng	75669	Chrysene-d12	13.951

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Docosane	310	C22H46	000629-97-0	90
3	Heptadecane	240	C17H36	000629-78-7	72
4	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	72
5	Heneicosane	296	C21H44	000629-94-7	68





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Operator : CG\JU
Sample : 04212-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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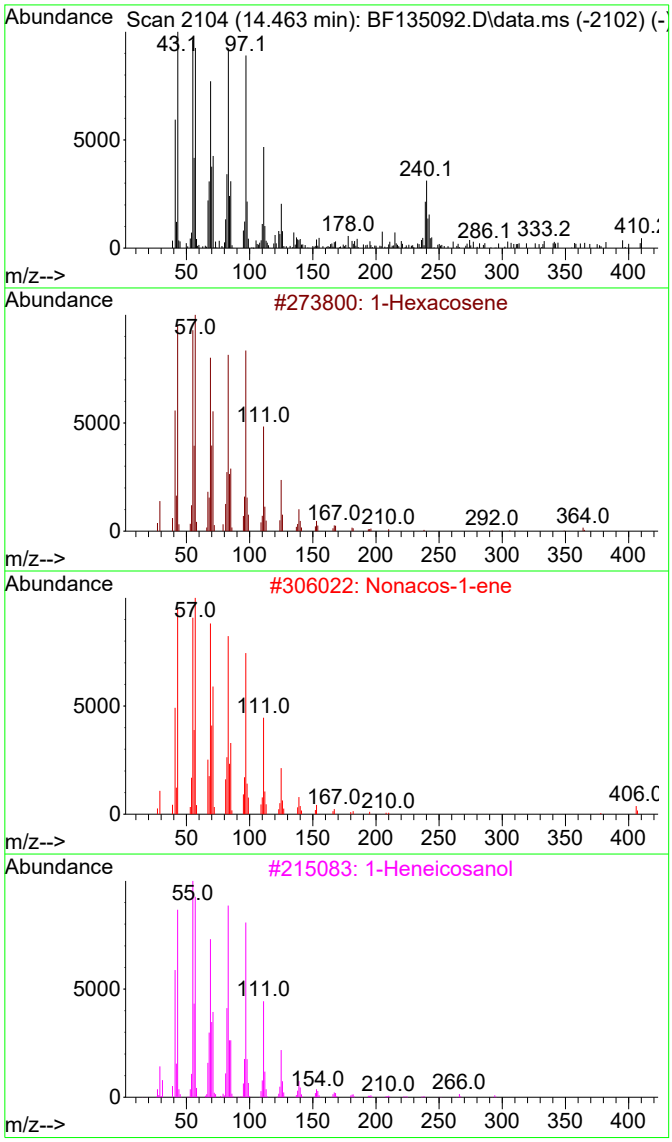
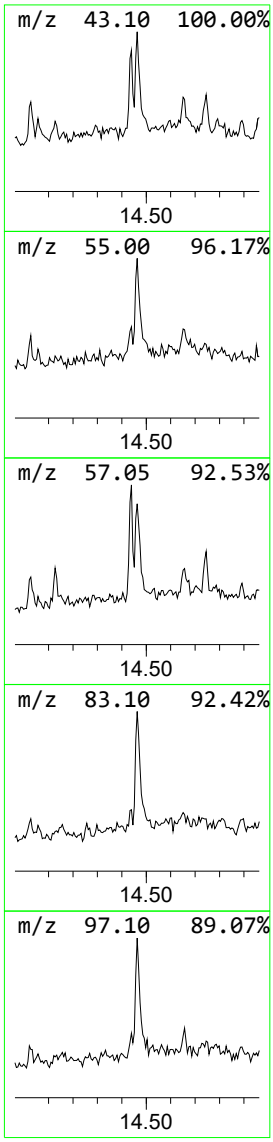
Peak Number 10 1-Hexacosene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.463	6.36 ng	205087	Chrysene-d12	13.951

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosene	364	C26H52	018835-33-1	91
2	Nonacos-1-ene	406	C29H58	018835-35-3	91
3	1-Heneicosanol	312	C21H44O	015594-90-8	91
4	1-Nonadecene	266	C19H38	018435-45-5	87
5	1-Tetracosene	336	C24H48	010192-32-2	87





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Operator : CG\JU
Sample : 04212-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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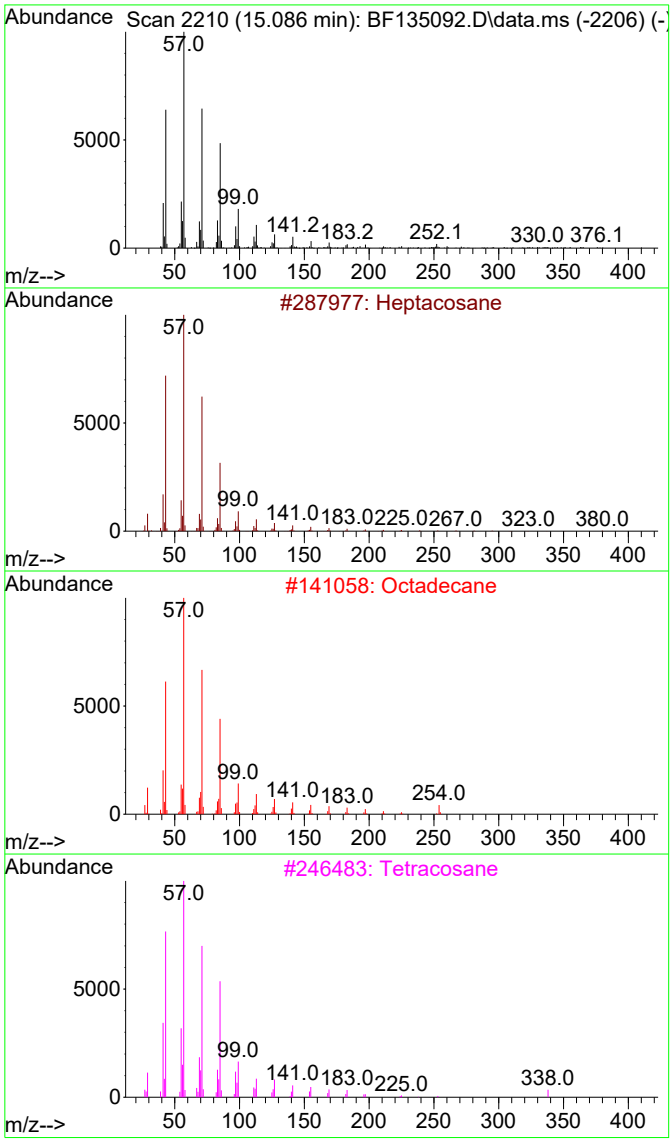
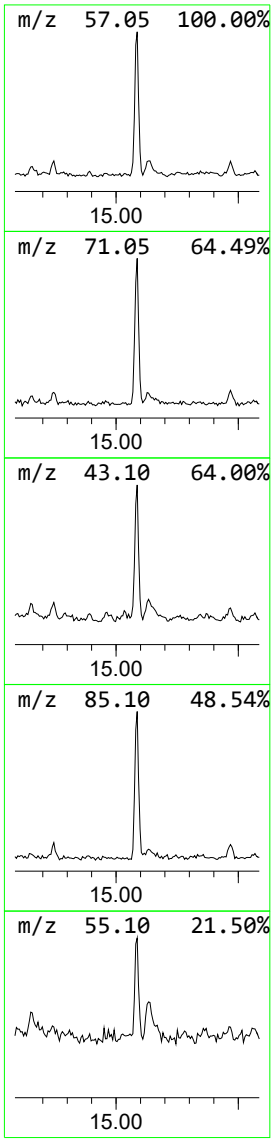
Peak Number 11 Heptacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.086	10.41 ng	295339	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	95
2	Octadecane	254	C18H38	000593-45-3	94
3	Tetracosane	338	C24H50	000646-31-1	90
4	Octacosane	394	C28H58	000630-02-4	90
5	Octacosane, 2-methyl-	408	C29H60	001560-98-1	90





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Operator : CG\JU
Sample : 04212-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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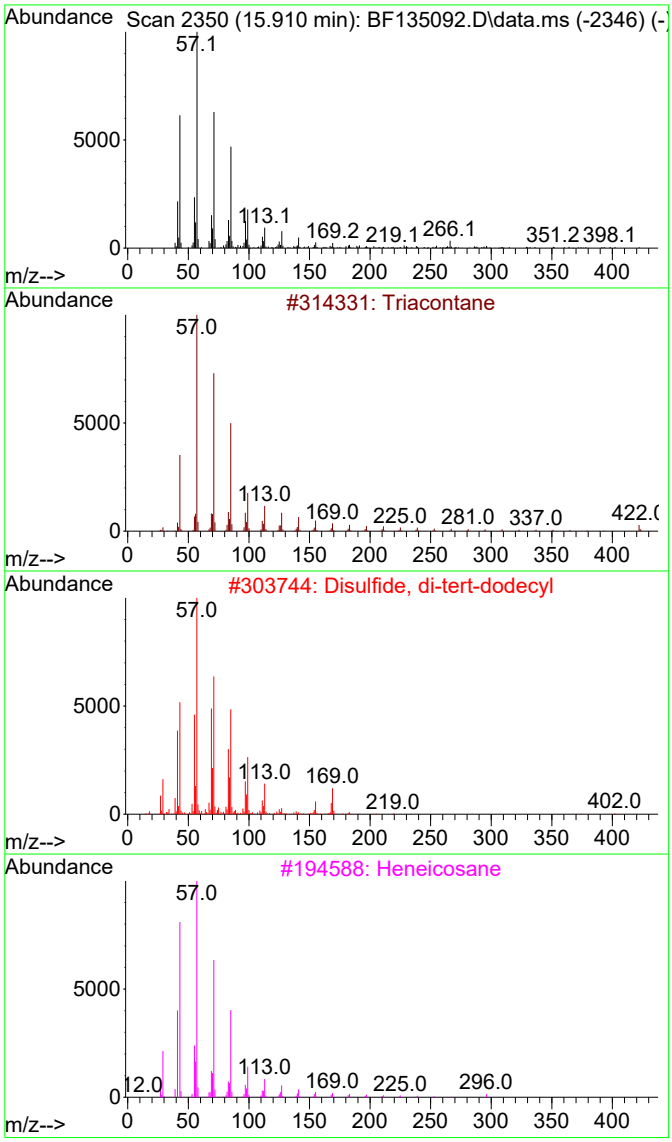
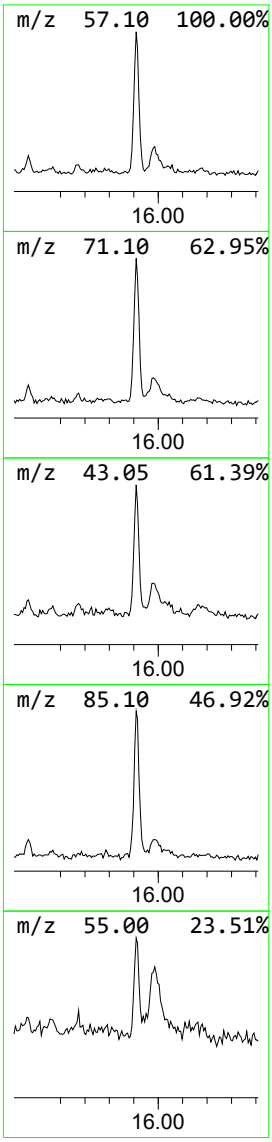
Peak Number 12 Triacontane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.910	12.38 ng	351179	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triacontane	422	C30H62	000638-68-6	94
2	Disulfide, di-tert-dodecyl	402	C24H50S2	027458-90-8	94
3	Heneicosane	296	C21H44	000629-94-7	93
4	Heptacosane	380	C27H56	000593-49-7	90
5	Octacosane	394	C28H58	000630-02-4	90





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Sample : 04212-03
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TOPSOIL-OU3-DENALI-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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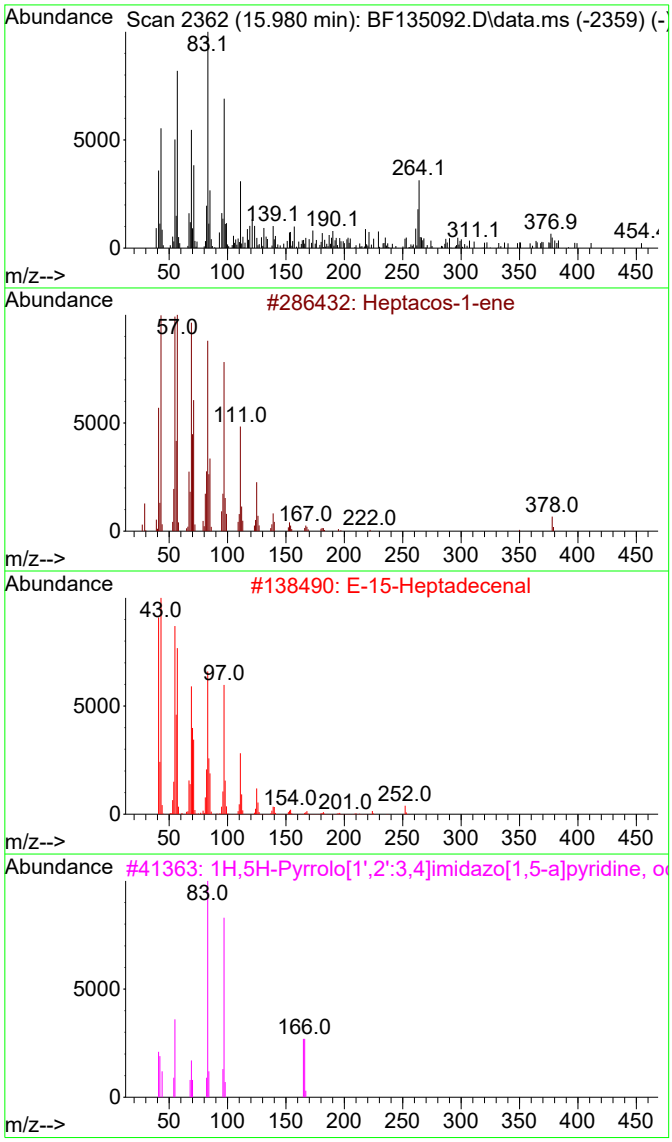
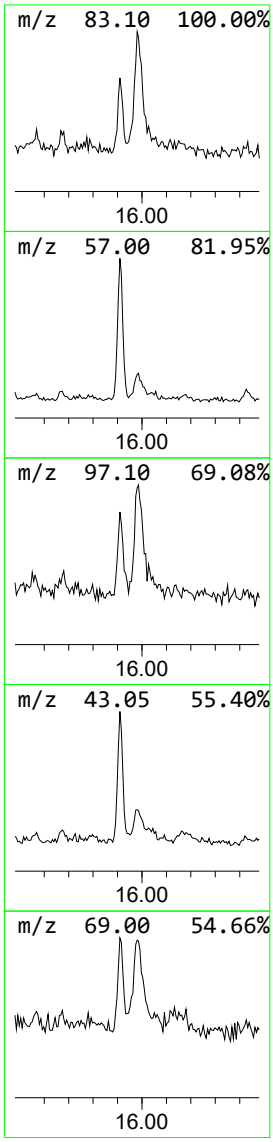
Peak Number 13 Heptacos-1-ene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.980	10.84 ng	307359	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacos-1-ene	378	C27H54	015306-27-1	55
2	E-15-Heptadecenal	252	C17H32O	1000130-97-9	55
3	1H,5H-Pyrrolo[1',2':3,4]imidazo[...	166	C10H18N2	054966-11-9	49
4	1-Octadecene	252	C18H36	000112-88-9	46
5	Dichlorophen, O-(cyclohexanecarb...	378	C20H20Cl2O3	1000354-65-6	43





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Operator : CG\JU
Sample : 04212-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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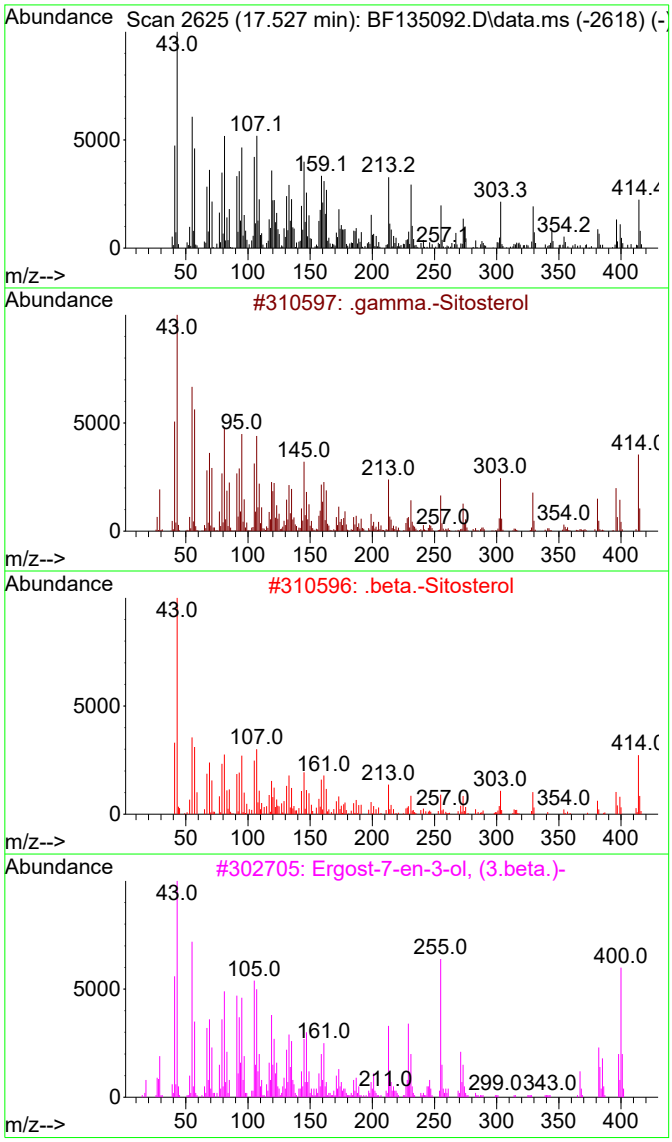
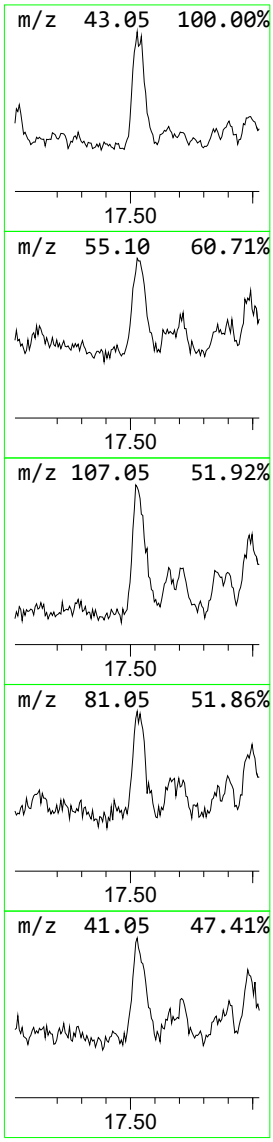
Peak Number 14 .gamma.-Sitosterol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.527	32.04 ng	908687	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	97
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	91
3	Ergost-7-en-3-ol, (3.beta.)-	400	C28H48O	026047-31-4	64
4	Campesterol	400	C28H48O	000474-62-4	53
5	Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	49





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Sample : 04212-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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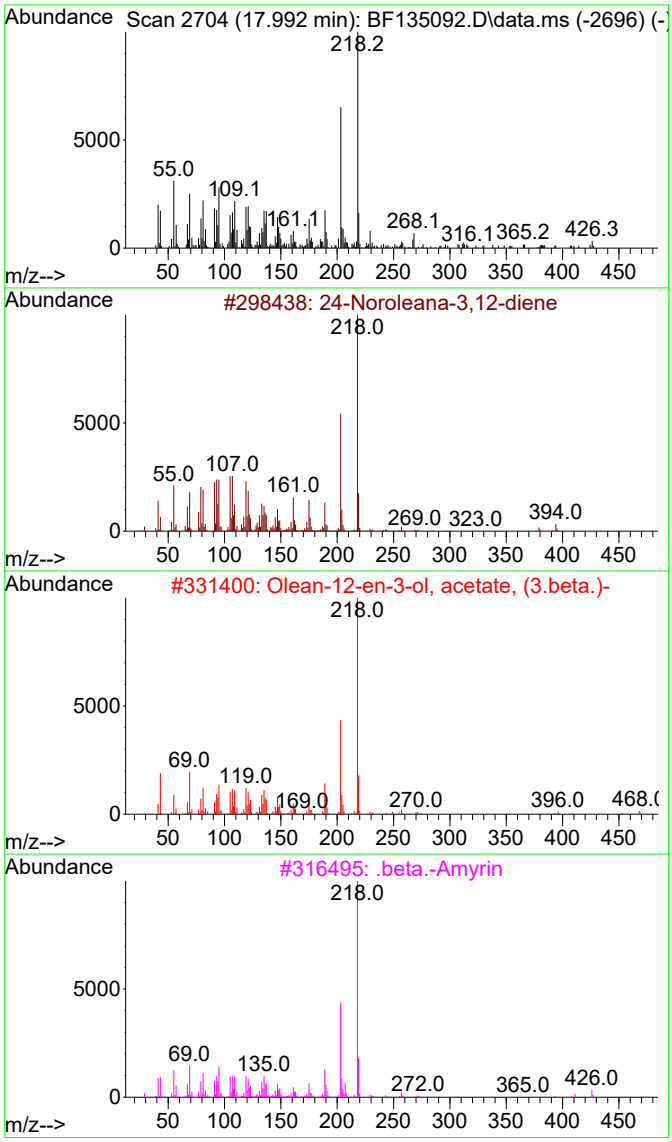
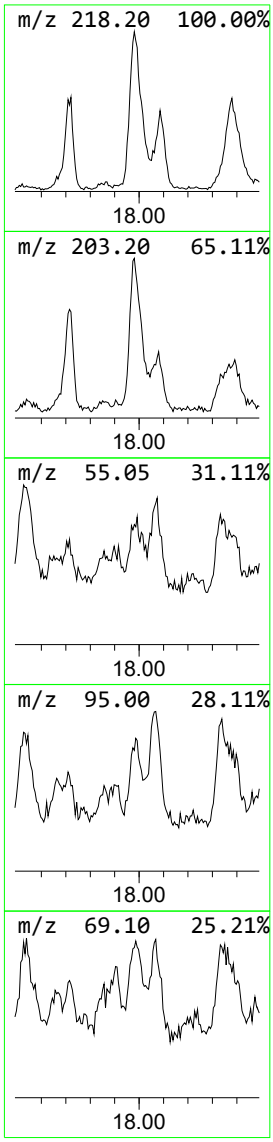
Peak Number 15 24-Noroleana-3,12-diene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.992	19.65 ng	557388	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	24-Noroleana-3,12-diene	394	C29H46	201358-24-9	93
2	Olean-12-en-3-ol, acetate, (3.be...	468	C32H52O2	001616-93-9	90
3	.beta.-Amyrin	426	C30H50O	000559-70-6	89
4	.alpha.-Amyrin	426	C30H50O	000638-95-9	70
5	(Z)-2-((8R,8aS)-8,8a-Dimethyl-3,...	218	C15H22O	137695-20-6	62





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Acq On : 05 Sep 2023 13:19
Operator : CG\JU
Sample : 04212-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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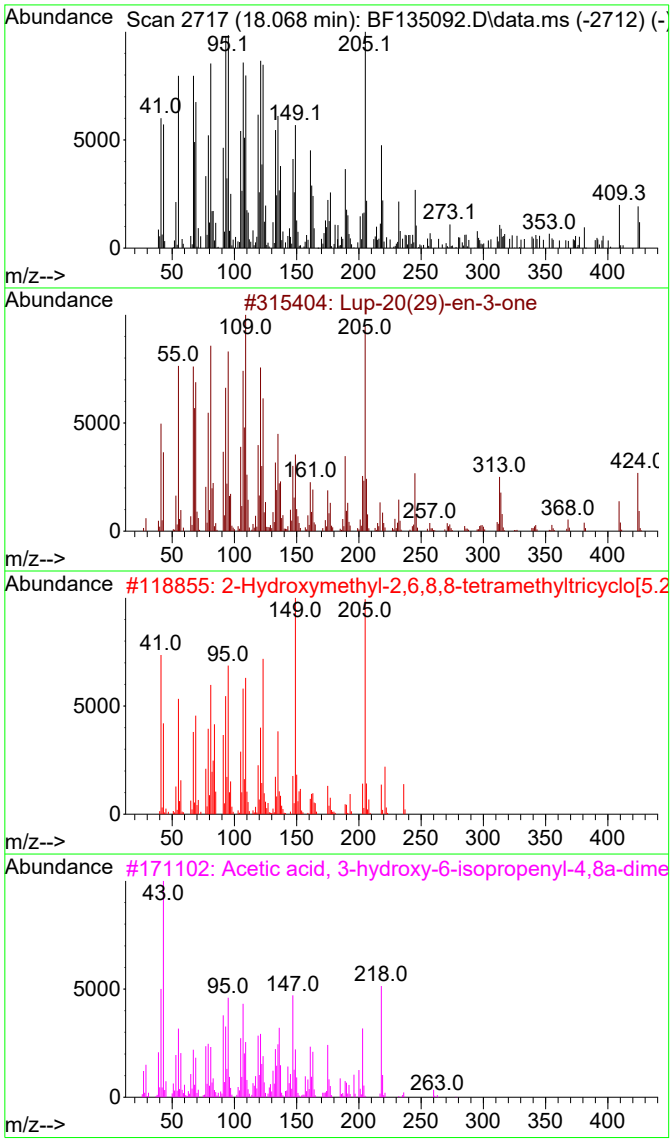
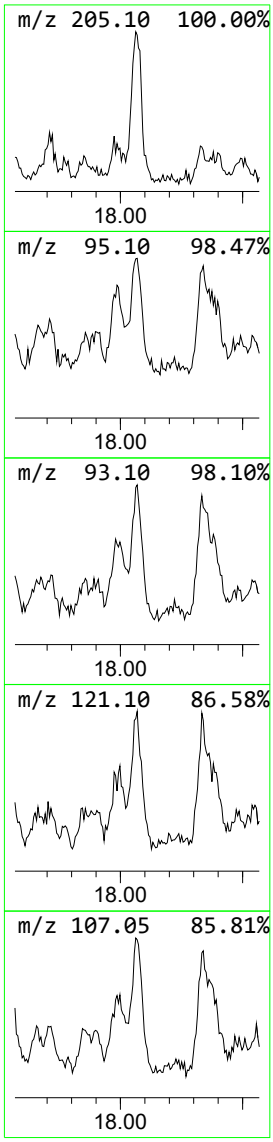
Peak Number 16 Lup-20(29)-en-3-one Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.068	25.07 ng	710906	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Lup-20(29)-en-3-one	424	C30H48O	001617-70-5	81
2	2-Hydroxymethyl-2,6,8,8-tetramet...	236	C16H28O	137235-47-3	53
3	Acetic acid, 3-hydroxy-6-isoprop...	278	C17H26O3	1000185-44-8	51
4	D:C-Friedoolean-8-en-3-one	424	C30H48O	022611-26-3	50
5	2,2,6-Trimethyl-1-(2-methyl-cycl...	218	C15H22O	1000188-72-8	38





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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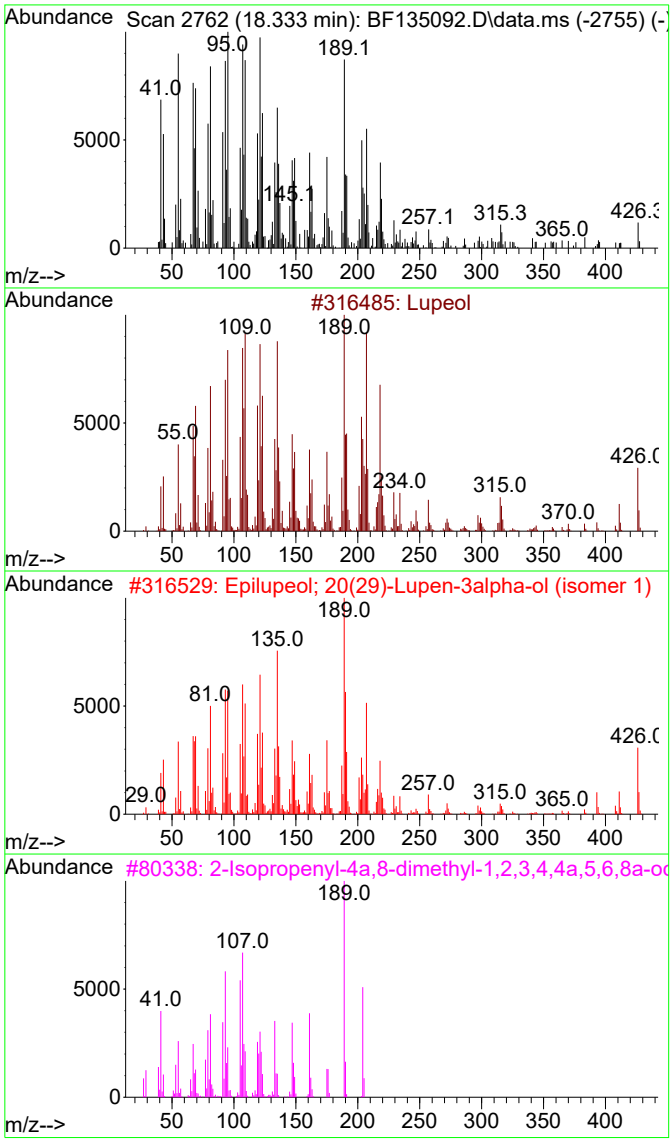
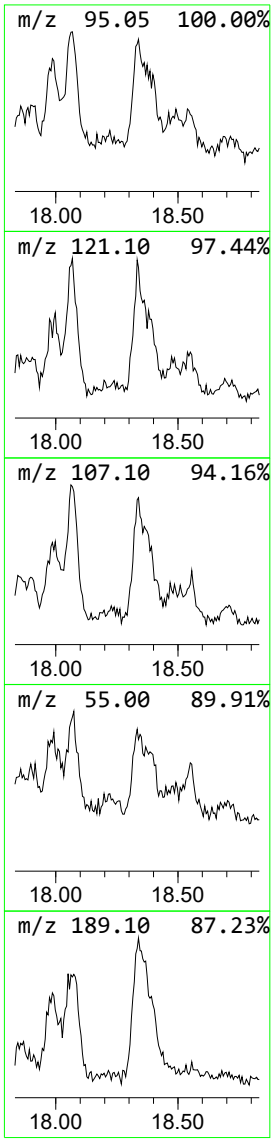
Peak Number 17 Lupeol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.333	36.33 ng	1030290	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Lupeol	426	C30H50O	000545-47-1	94
2	Epilupeol; 20(29)-Lupen-3alpha-o...	426	C30H50O	1000513-01-3	89
3	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	207297-57-2	70
4	Lupeol, trifluoroacetate	522	C32H49F3O2	1000394-56-7	70
5	Hop-22(29)-en-3.beta.-ol	426	C30H50O	058801-23-3	64





Tentatively Identified Compound (LSC) summary

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Data File : BF135092.D
Acq On : 05 Sep 2023 13:19
Operator : CG\JU
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ClientSampleId :
TOPSOIL-OU3-DENALI-3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
n-Hexadecanoic ...	11.833	12.0	ng	455582	4	11.298	756540	20.0
17-Norkaur-15-e...	11.992	2.0	ng	77498	4	11.298	756540	20.0
Octadecanoic acid	12.627	4.2	ng	135340	5	13.951	644456	20.0
2-[3-Pyridyl]me...	13.310	3.2	ng	102177	5	13.951	644456	20.0
2-Pentenoic aci...	13.416	7.2	ng	232492	5	13.951	644456	20.0
Isopimaric acid	13.657	3.6	ng	116049	5	13.951	644456	20.0
Dehydroabietic ...	13.751	7.6	ng	245089	5	13.951	644456	20.0
1-Octadecene	13.822	6.7	ng	214918	5	13.951	644456	20.0
Eicosane	14.439	2.4	ng	75669	5	13.951	644456	20.0
1-Hexacosene	14.463	6.4	ng	205087	5	13.951	644456	20.0
Heptacosane	15.086	10.4	ng	295339	6	15.427	567235	20.0
Triacontane	15.910	12.4	ng	351179	6	15.427	567235	20.0
Heptacos-1-ene	15.980	10.8	ng	307359	6	15.427	567235	20.0
.gamma.-Sitosterol	17.527	32.0	ng	908687	6	15.427	567235	20.0
24-Noroleana-3,...	17.992	19.6	ng	557388	6	15.427	567235	20.0
Lup-20(29)-en-3...	18.068	25.1	ng	710906	6	15.427	567235	20.0
Lupeol	18.333	36.3	ng	1030290	6	15.427	567235	20.0