LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091615\
Data File : BF081658.D
Acq On : 16 Sep 2015 20:27
Operator : UM/IZ
Sample : G3637-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VITALE-FILL-SOURCE-3A

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:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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	1.440	8	9	15	rBV	181040	463014	12.68%	2.704%
2	1.531	15	17	59	rVB	1086009	3652187	100.00%	21.331%
3	4.457	269	273	288	rBV	257531	722297	19.78%	4.219%
4	5.337	347	350	368	rBV	664665	1240056	33.95%	7.243%
5	7.600	544	548	553	rBV	713886	1277390	34.98%	7.461%
6	7.692	553	556	564	rVB	717708	1329694	36.41%	7.766%
7	8.183	596	599	605	rBB	190192	303257	8.30%	1.771%
8	8.503	624	627	631	rBV	530036	937997	25.68%	5.479%
9	9.486	708	713	715	rBV	427524	837198	22.92%	4.890%
10	11.086	849	853	858	rBV	210733	389637	10.67%	2.276%
11	13.727	1079	1084	1087	rBV	850751	1424381	39.00%	8.319%
12	14.778	1172	1176	1185	rBB	160936	265918	7.28%	1.553%
13	15.212	1210	1214	1221	rBB	248212	421090	11.53%	2.459%
14	17.110	1376	1380	1389	rBB	492057	899327	24.62%	5.253%
15	17.750	1433	1436	1442	rBV	14338	37747	1.03%	0.220%
16	18.710	1516	1520	1528	rBB	244322	440404	12.06%	2.572%
17	20.470	1671	1674	1686	rBV	72411	145269	3.98%	0.848%
18	22.082	1812	1815	1817	rBV	1130170	1356479	37.14%	7.923%
19	23.328	1921	1924	1925	rBV2	91895	152238	4.17%	0.889%
20	23.350	1925	1926	1929	rVB	376742	371611	10.18%	2.170%
21	24.379	2014	2016	2018	rVV	72626	83362	2.28%	0.487%
22	24.608	2034	2036	2040	rBV	26205	46137	1.26%	0.269%
23	24.791	2050	2052	2055	rBV	290818	286791	7.85%	1.675%
24	25.225	2089	2090	2097	rVB4	17019	37638	1.03%	0.220%

Sum of corrected areas: 17121119

LSC Report - Integrated Chromatogram

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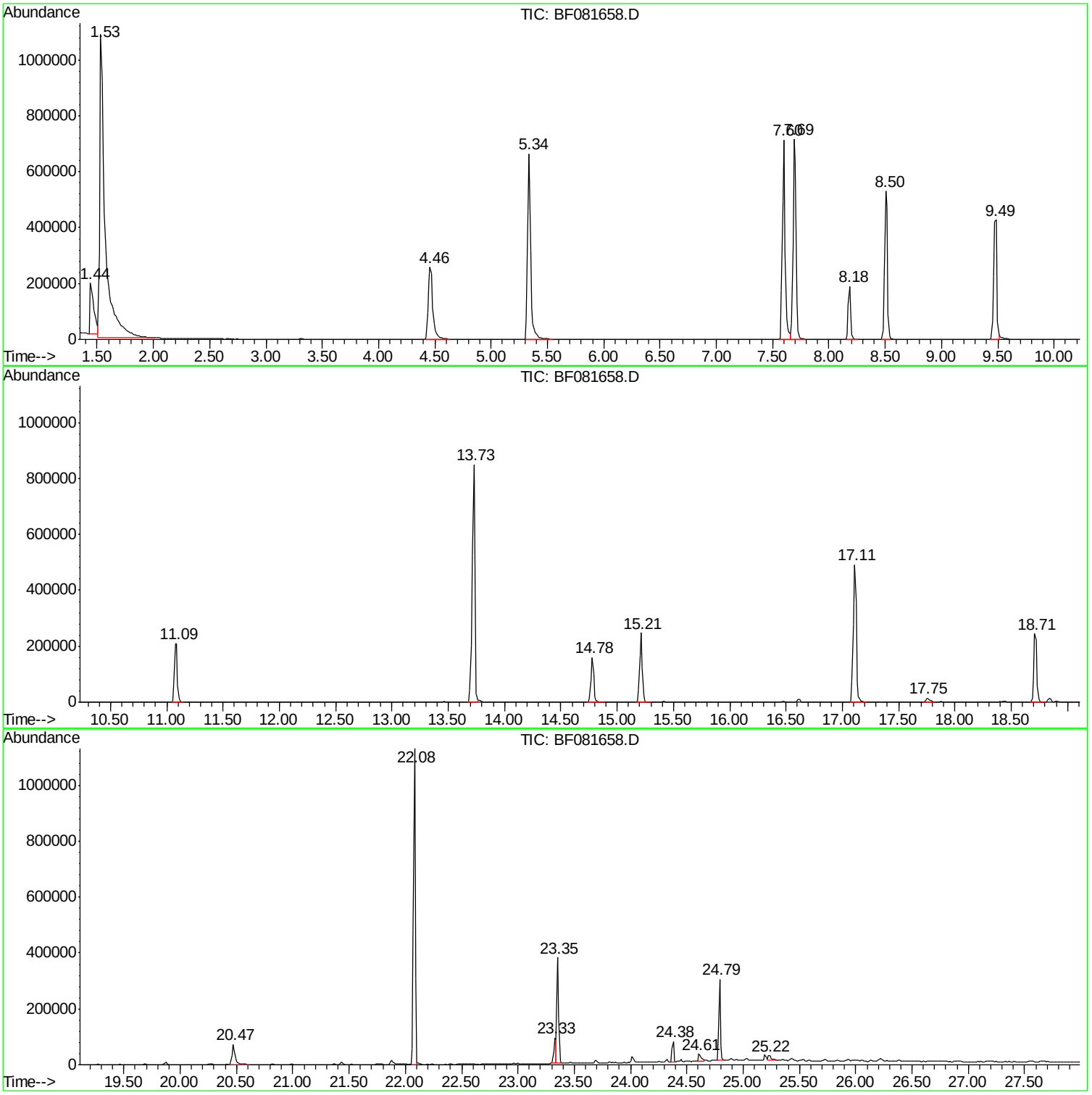
VITALE-FILL-SOURCE-3A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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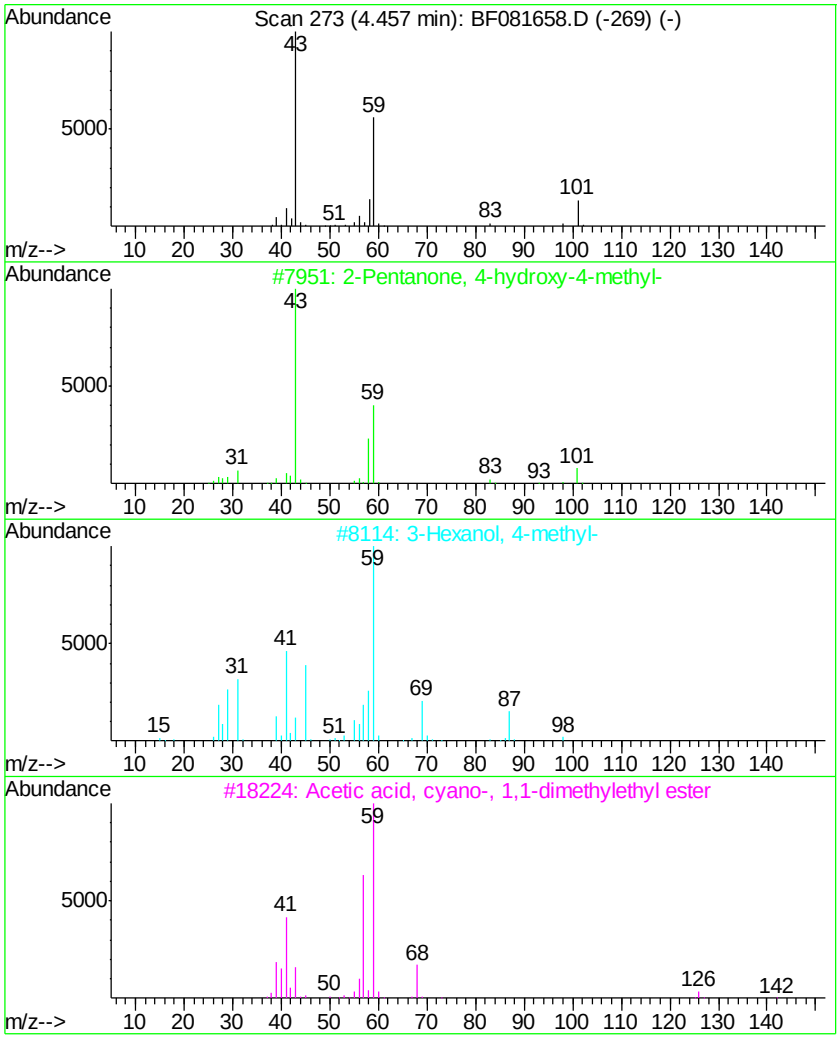
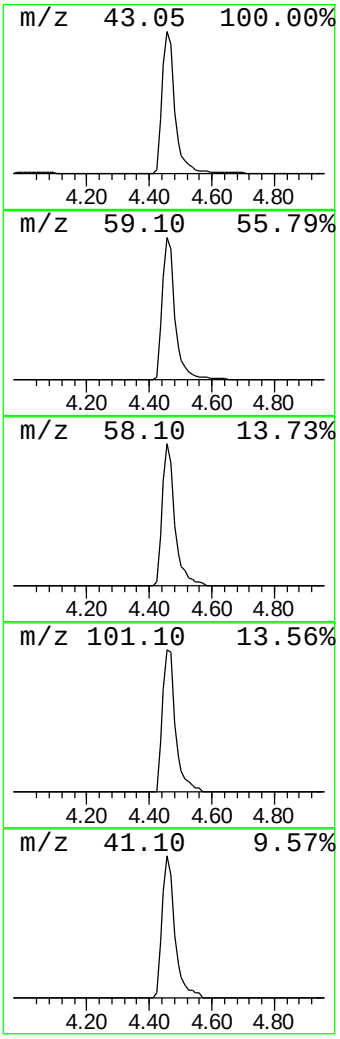
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.46	47.64 ng	722297	1,4-Dichlorobenzene-d4	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	23
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	9





Library Search Compound Report

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Misc :
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Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-3A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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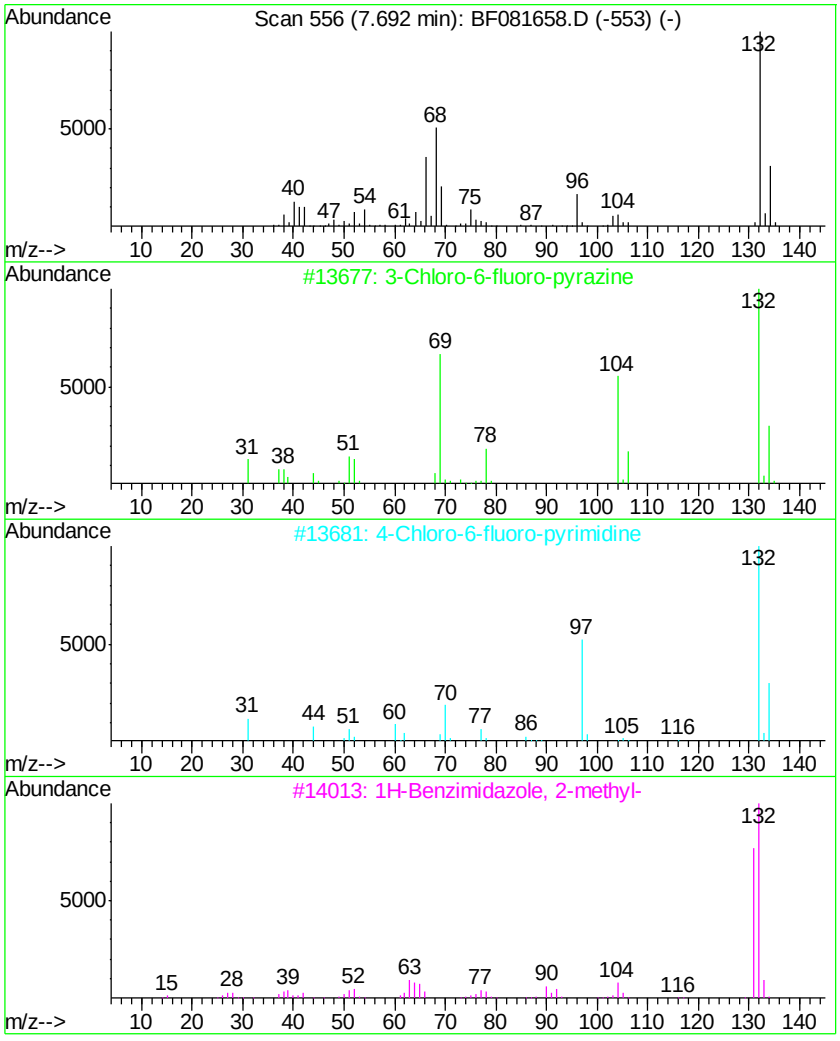
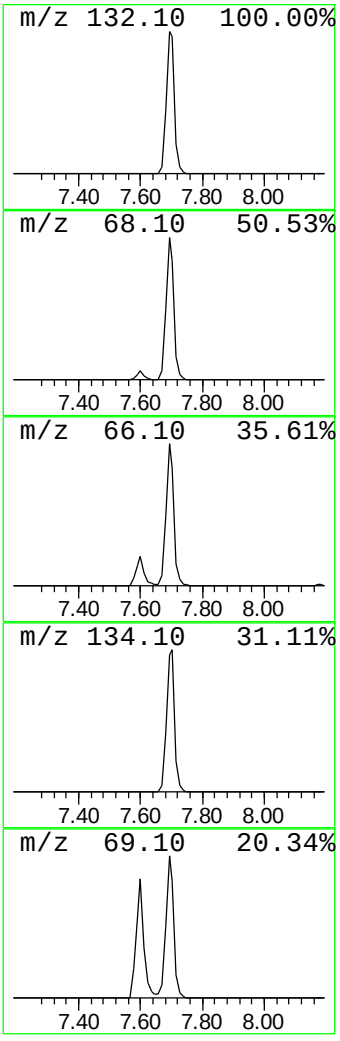
Peak Number 4 unknown7.69 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	87.69 ng	1329690	1,4-Dichlorobenzene-d4	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10





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Acq On : 16 Sep 2015 20:27
Operator : UM/IZ
Sample : G3637-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VITALE-FILL-SOURCE-3A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
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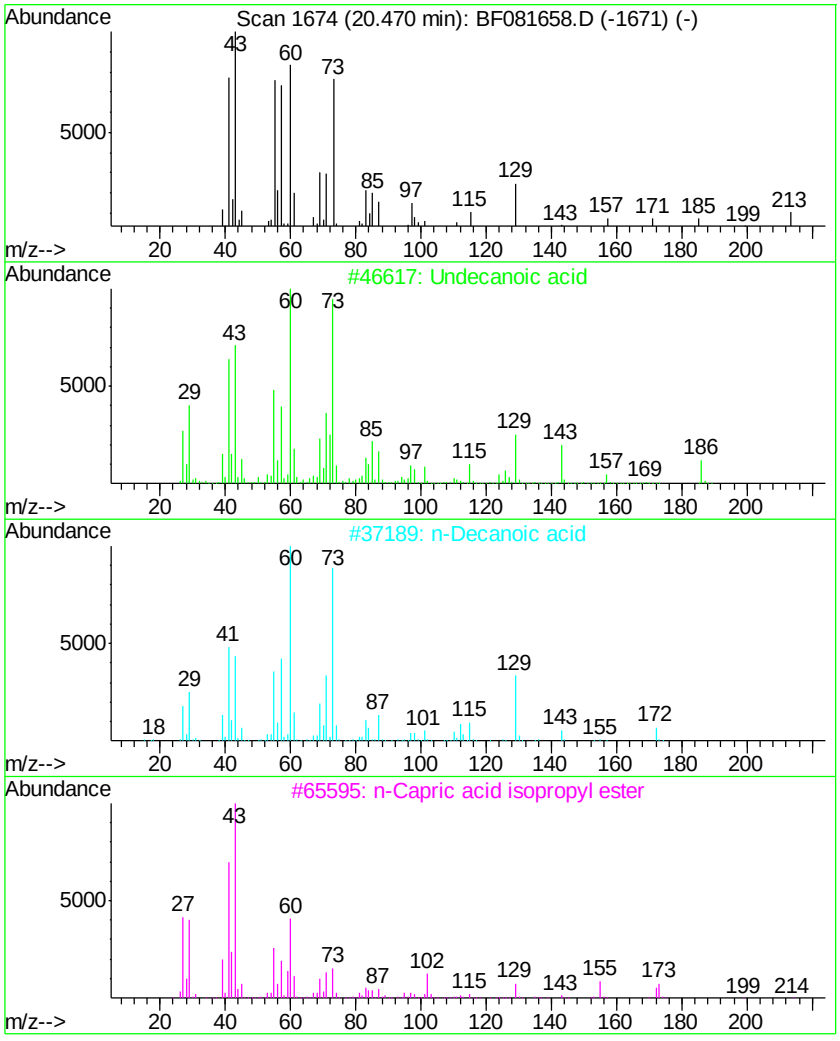
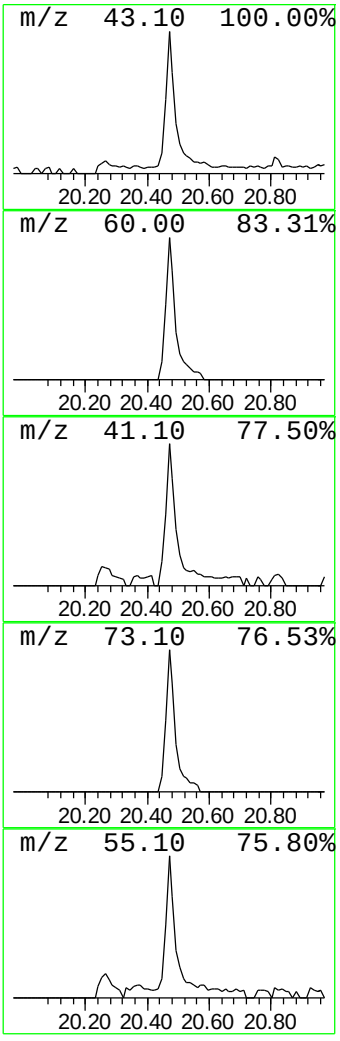
Peak Number 6 Undecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.47	6.60 ng	145269	Phenanthrene-d10	18.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecanoic acid	186	C11H22O2	000112-37-8	80
2	n-Decanoic acid	172	C10H20O2	000334-48-5	53
3	n-Capric acid isopropyl ester	214	C13H26O2	002311-59-3	53
4	(1R,3R,4R,5R)-(-)-Quinic acid	192	C7H12O6	000077-95-2	53
5	11-Bromoundecanoic acid	264	C11H21BrO2	002834-05-1	50





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ClientSampleId :
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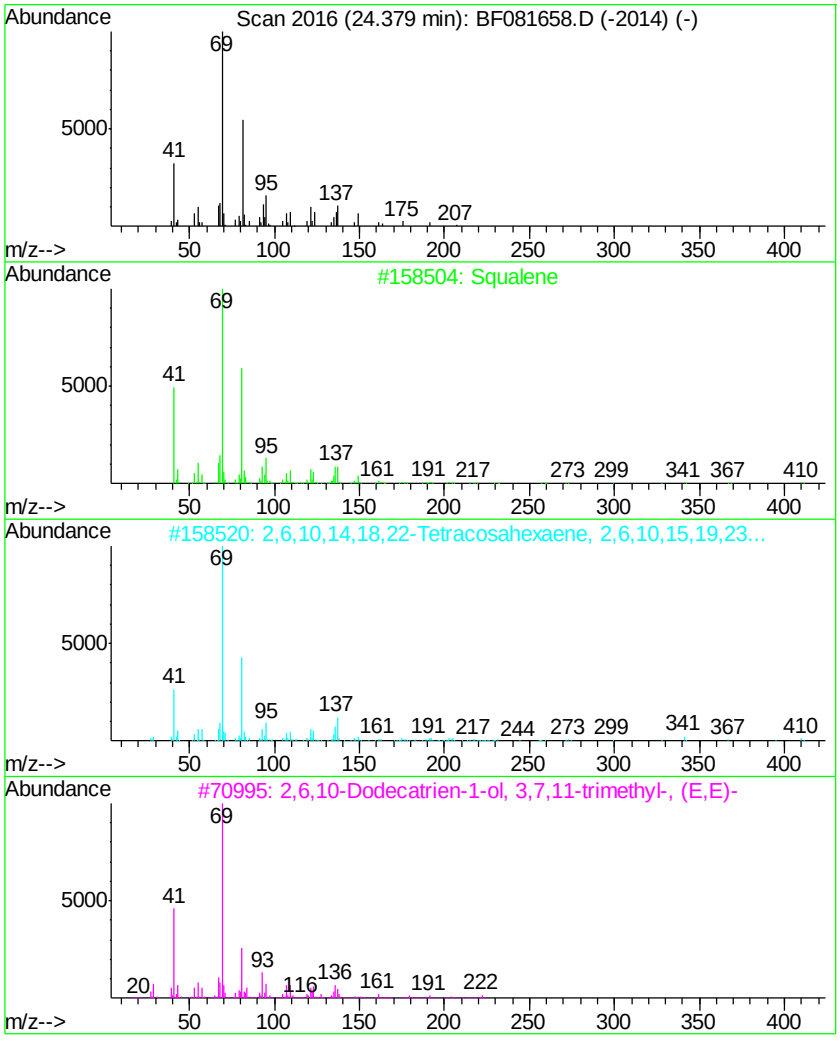
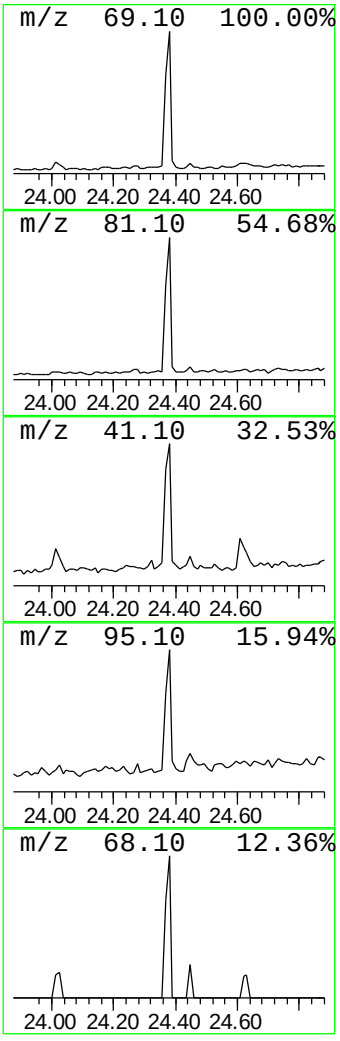
Peak Number 7 Squalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.38	5.81 ng	83362	Perylene-d12	24.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	007683-64-9	91
2	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	90
3	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	000106-28-5	78
4	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	004602-84-0	72
5	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	72





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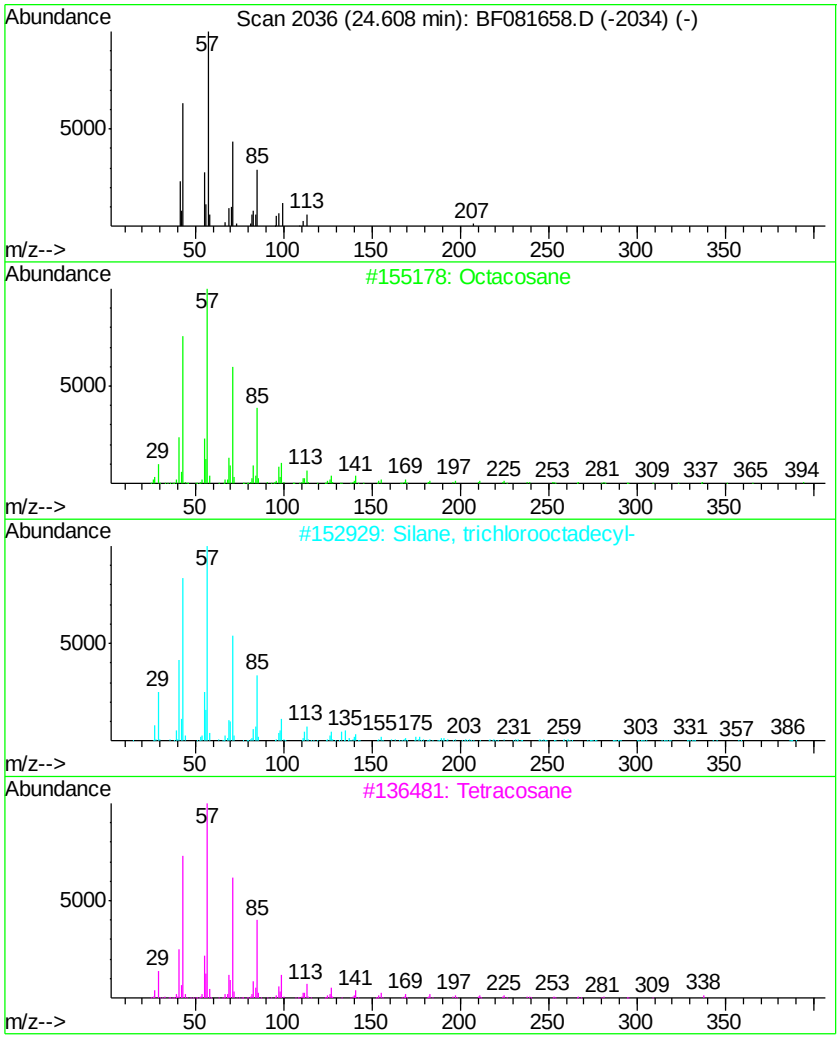
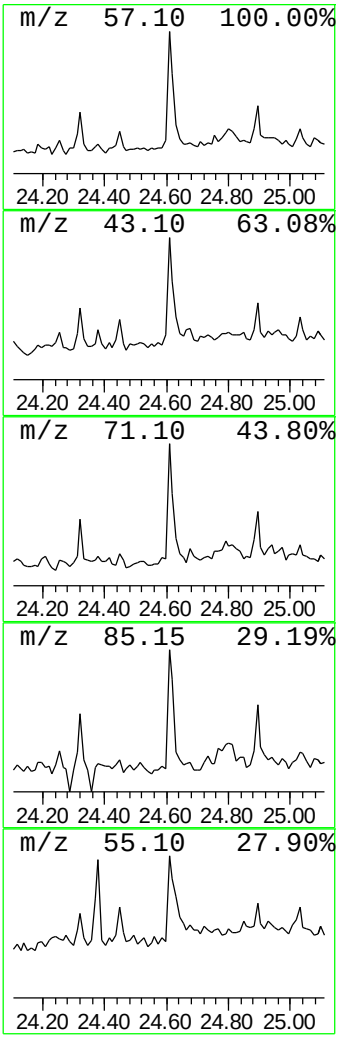
Peak Number 8 Octacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.61	3.22 ng	46137	Perylene-d12	24.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	90
2	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	90
3	Tetracosane	338	C24H50	000646-31-1	90
4	Eicosane	282	C20H42	000112-95-8	90
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	80





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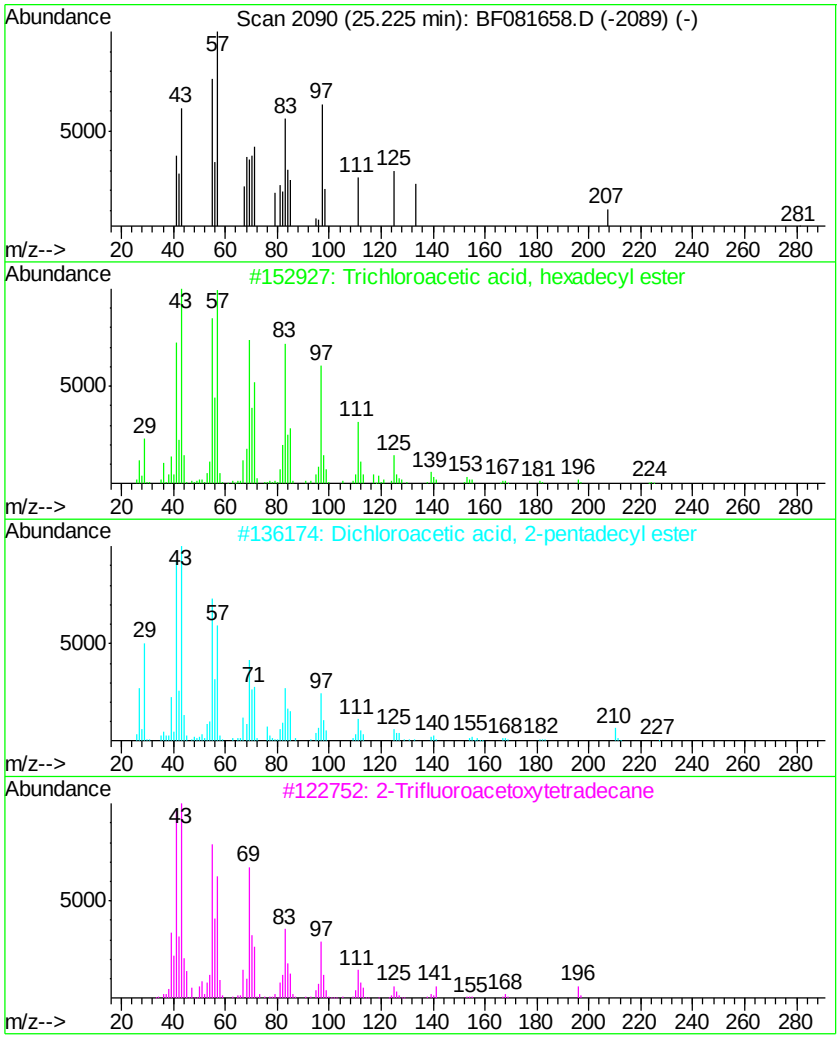
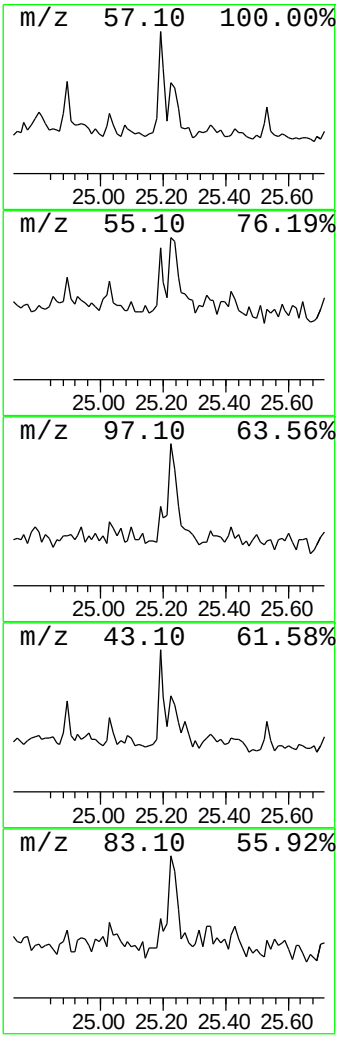
Peak Number 9 Trichloroacetic acid, hexad... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.22	2.62 ng	37638	Perylene-d12	24.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	64
2	Dichloroacetic acid, 2-pentadecy...	338	C17H32Cl2O2	1000280-64-7	64
3	2-Trifluoroacetoxytetradecane	310	C16H29F3O2	1000245-47-4	64
4	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	59
5	1-Docosene	308	C22H44	001599-67-3	58





Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.46	47.6	ng	722297	1	8.18	303257	20.0
unknown7.69	7.69	87.7	ng	1329690	1	8.18	303257	20.0
Undecanoic acid	20.47	6.6	ng	145269	4	18.71	440404	20.0
Squalene	24.38	5.8	ng	83362	6	24.79	286791	20.0
Octacosane	24.61	3.2	ng	46137	6	24.79	286791	20.0
Trichloroacetic a...	25.22	2.6	ng	37638	6	24.79	286791	20.0