

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050318\
 Data File : BF105087.D
 Acq On : 3 May 2018 21:52
 Operator : JU/SJ
 Sample : J2615-02 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PLANTER-AREAS-PRECHAR

Manual Integrations
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Sohil
 5/4/2018 10:51:49 AM

Quant Time: May 04 09:54:53 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 02 17:25:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	107380	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	442780	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	191679	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	290814	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	197599	20.00	ng	-0.04
86) Perylene-d12	15.55	264	162472	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	134456	19.15	ng	0.00
7) Phenol-d6	6.44	99	171017	19.82	ng	0.00
23) Nitrobenzene-d5	7.35	82	104122	15.36	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	37420	18.82	ng	-0.02
44) 2-Fluorobiphenyl	9.14	172	204145	16.82	ng	-0.02
78) Terphenyl-d14	12.90	244	135543	15.64	ng	-0.02
Target Compounds						
70) Phenanthrene	11.33	178	153334	9.468	ng	98
71) Anthracene	11.39	178	43000	2.612	ng	98
74) Fluoranthene	12.53	202	272898	16.128	ng	98
77) Pyrene	12.76	202	242795	16.577	ng	98
80) Benzo(a)anthracene	13.99	228	119078	10.087	ng	97
82) Chrysene	14.03	228	116169	9.581	ng	97
85) Indeno(1,2,3-cd)pyrene	17.03	276	42596	4.135	ng	93
87) Benzo(b)fluoranthene	15.12	252	132865m	12.948	ng	
88) Benzo(k)fluoranthene	15.14	252	37791m	3.901	ng	
89) Benzo(a)pyrene	15.49	252	82498	8.985	ng	96
91) Benzo(g,h,i)perylene	17.48	276	44654	6.112	ng	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

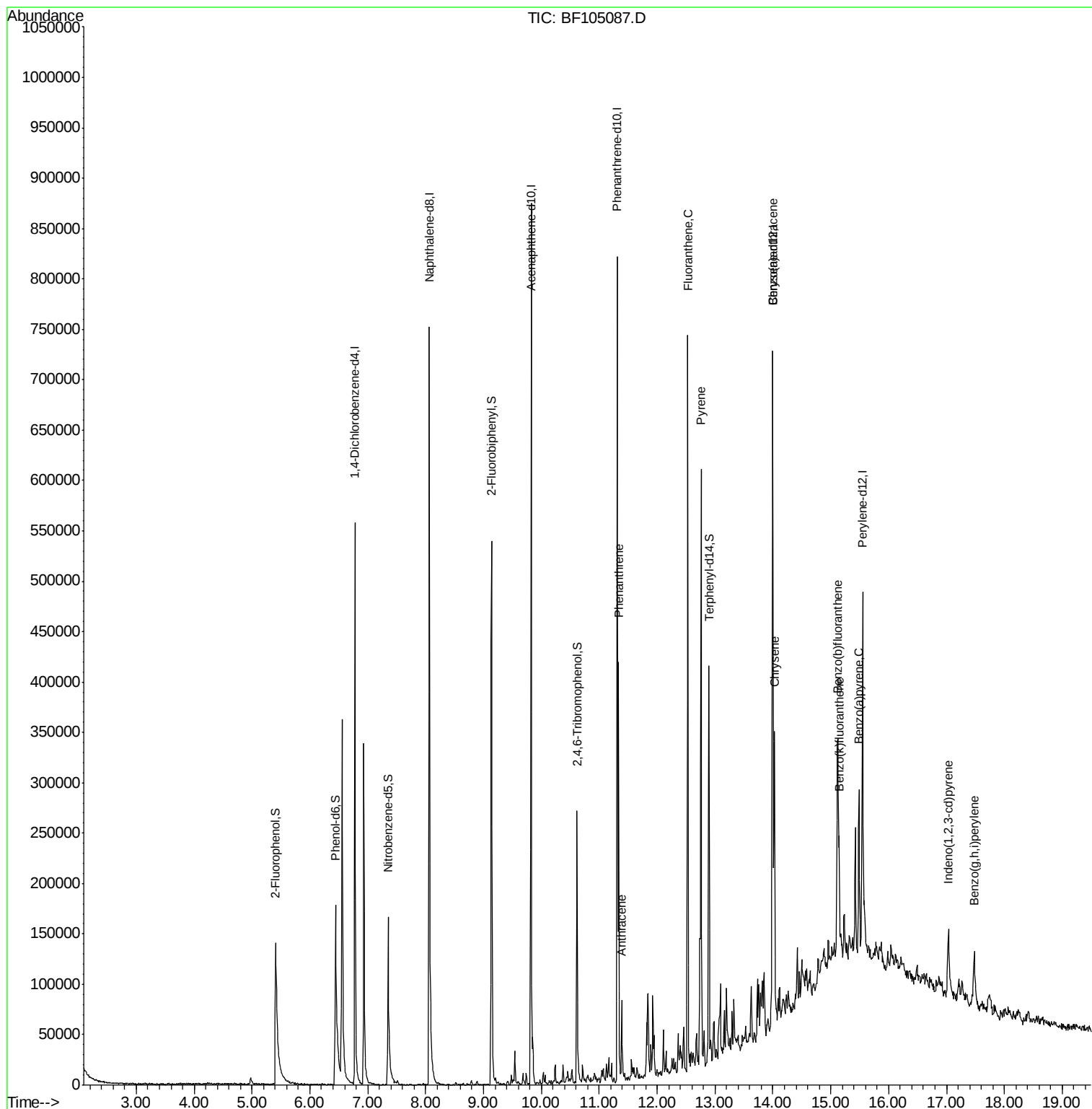
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050318\
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ALS Vial : 16 Sample Multiplier: 1

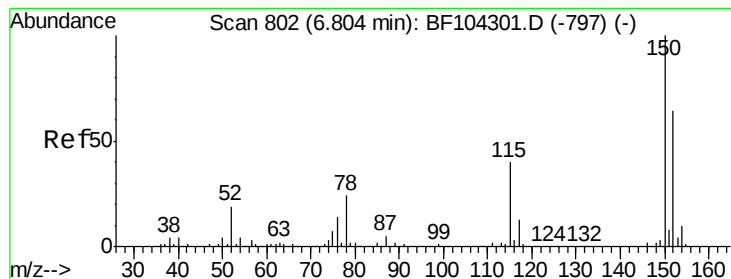
Instrument :
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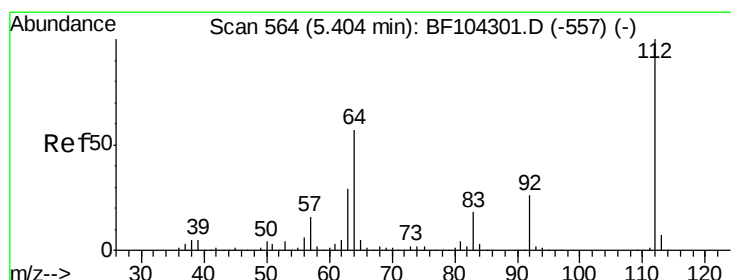
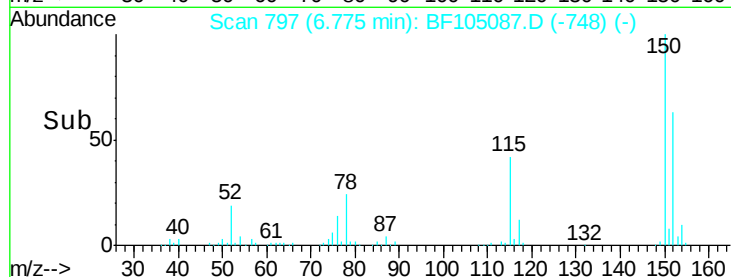
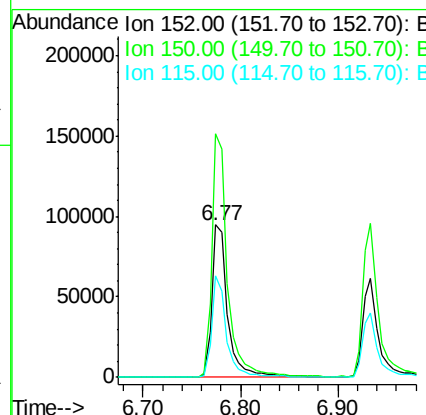
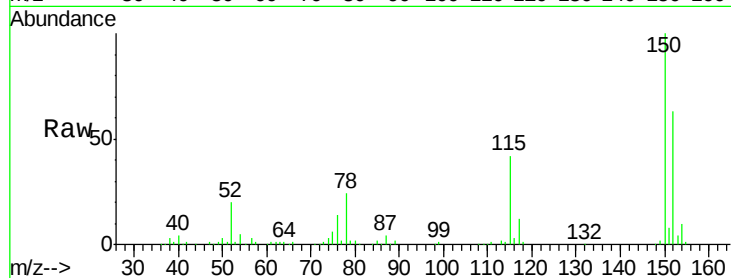
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 797
 Delta R.T. -0.01 min
 Lab File: BF105087.D
 Acq: 3 May 2018 21:52

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	124.6	186.8
115	66.4	50.1	75.1

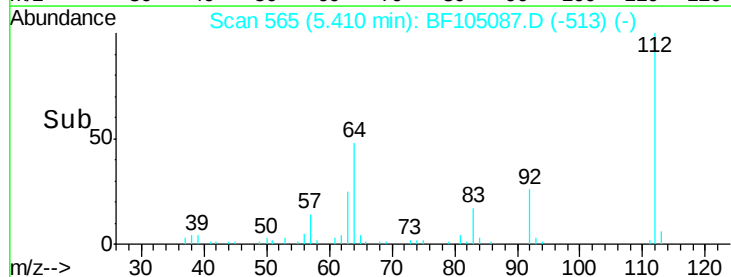
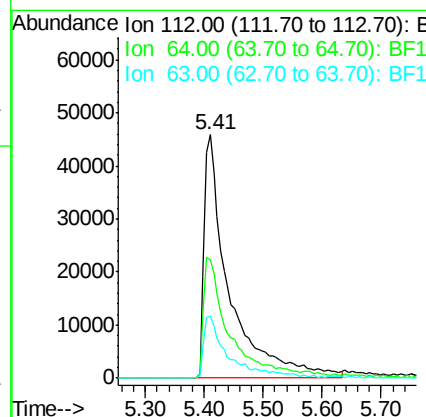
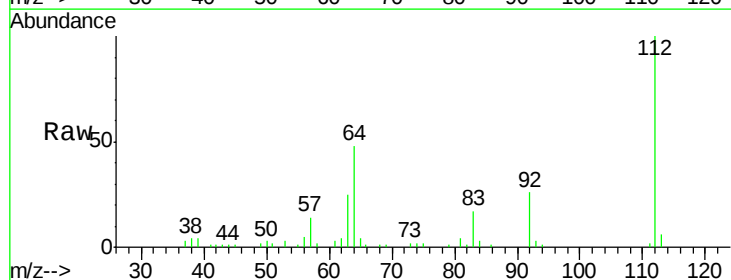
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#5
 2-Fluorophenol
 Concen: 19.146 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: BF105087.D
 Acq: 3 May 2018 21:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.5	47.9	71.9
63	25.2	23.7	35.5





#7

Phenol-d6

Concen: 19.820 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF105087.D

Acq: 3 May 2018 21:52

Instrument :

BNA_F

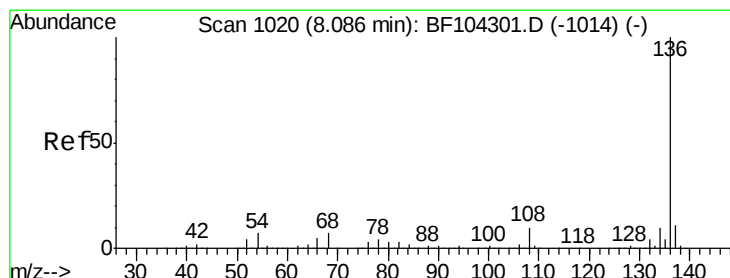
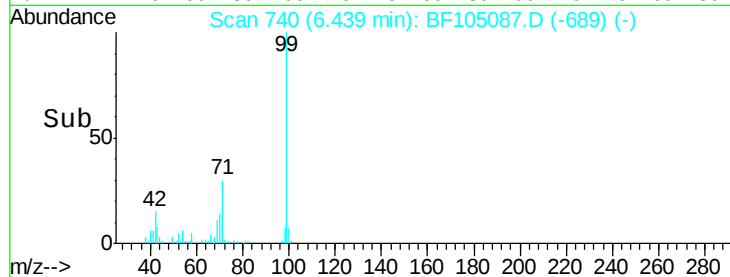
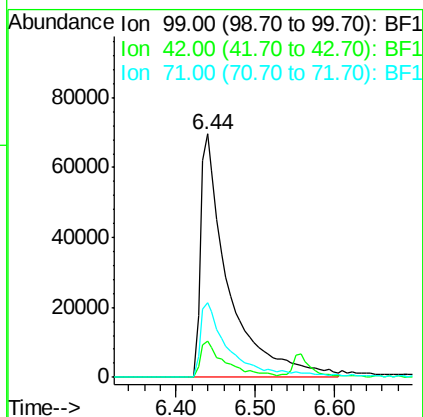
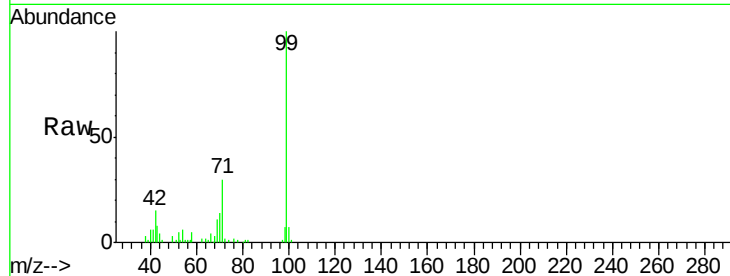
ClientSampleId :

PLANTER-AREAS-PRECHAR

Tot Ion:	99	Resp:	171017
Ion Ratio	Lower	Upper	
99	100		
42	14.8	14.5	21.7
71	30.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

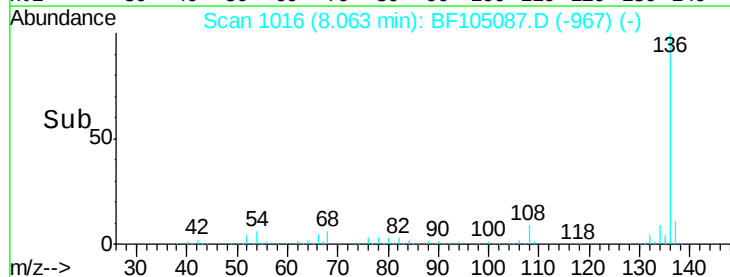
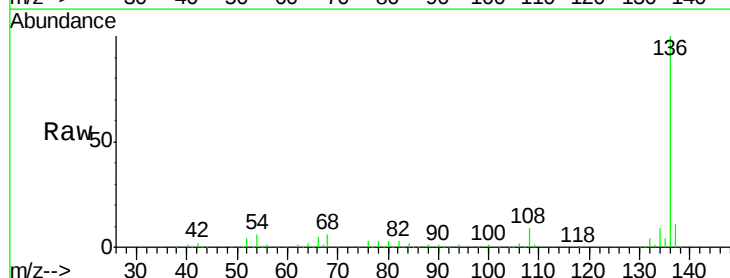
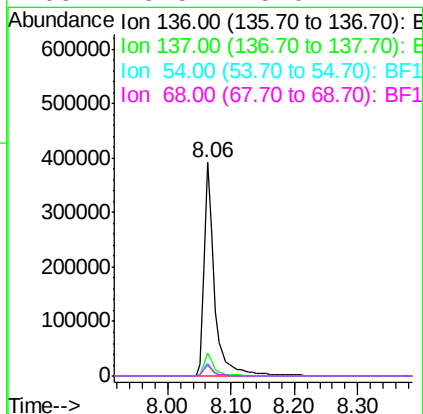
RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF105087.D

Acq: 3 May 2018 21:52

Tgt Ion:	136	Resp:	442780
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	6.1	6.6	9.8#
68	5.5	5.0	7.4





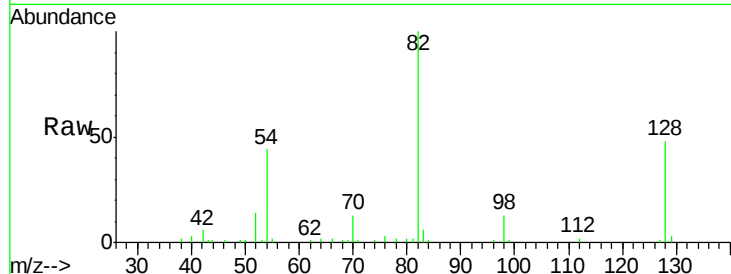
#23
 Nitrobenzene-d5
 Concen: 15.355 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.02 min
 Lab File: BF105087.D
 Acq: 3 May 2018 21:52

Instrument :
 BNA_F
 ClientSampleId :
 PLANTER-AREAS-PRECHAR

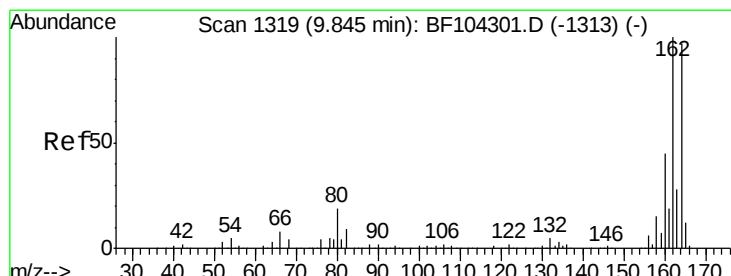
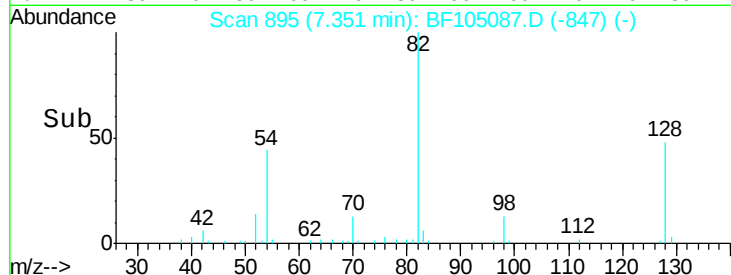
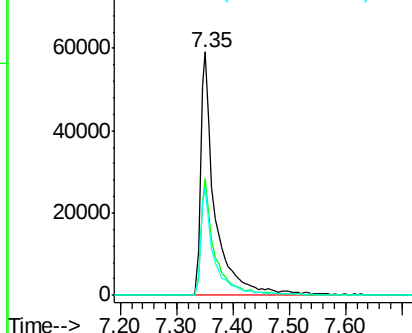
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.1	36.1	54.1
54	44.3	41.4	62.2

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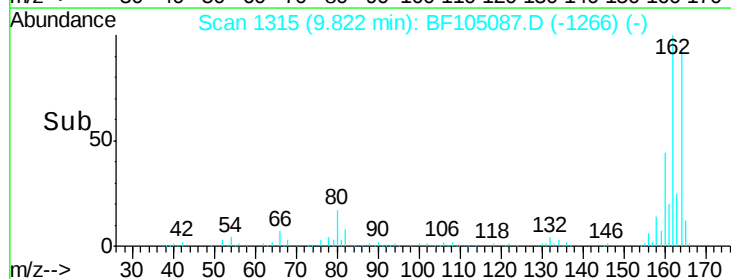
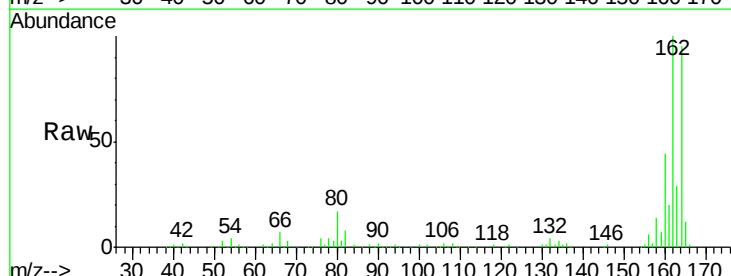
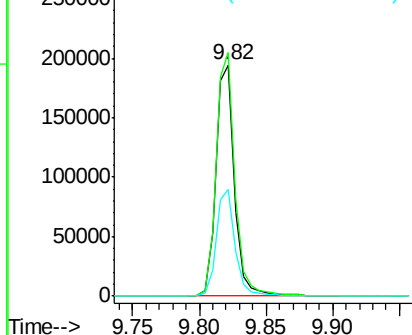
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF105087.D
 Acq: 3 May 2018 21:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	86.1	129.1
160	46.0	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 18.820 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.02 min

Lab File: BF105087.D

Acq: 3 May 2018 21:52

Instrument :

BNA_F

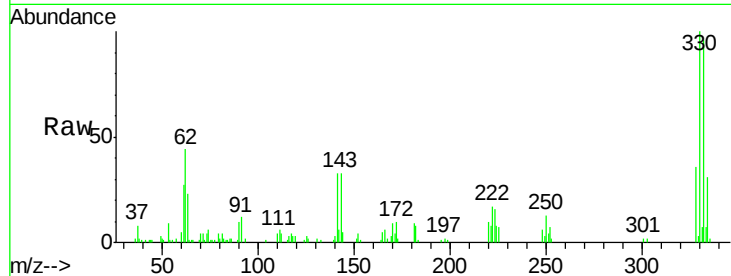
ClientSampleId :

PLANTER-AREAS-PRECHAR

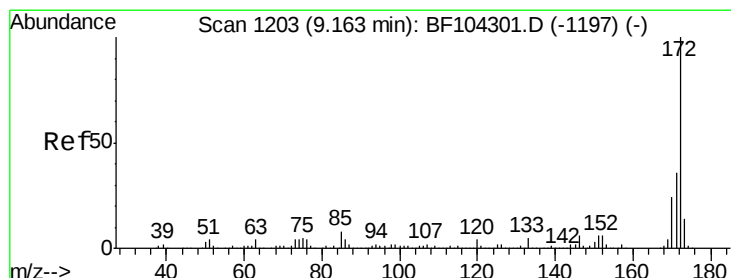
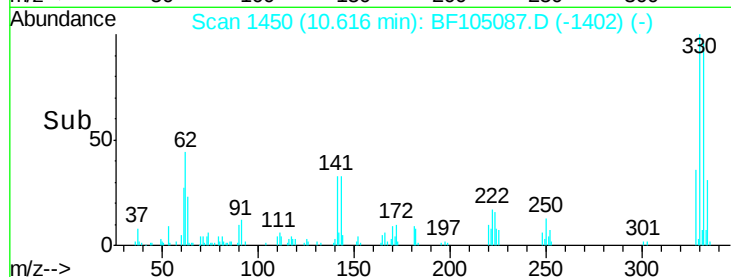
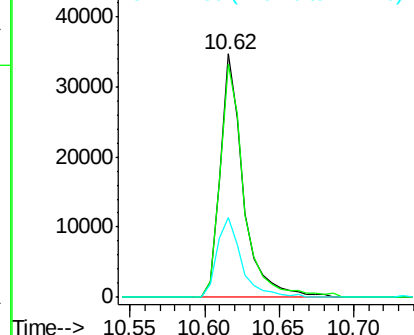
Tot Ion:	330	Resp:	37420
Ion Ratio	Lower	Upper	
330	100		
332	99.8	77.0	115.6
141	35.0	29.9	44.9

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 16.825 ng

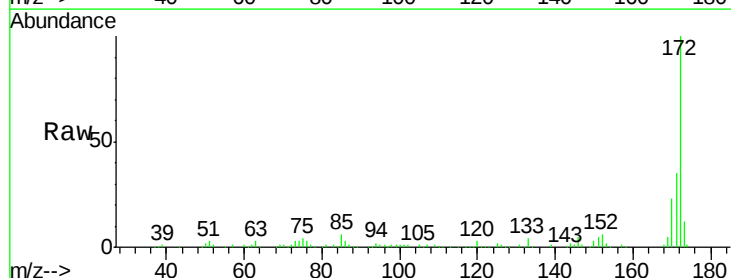
RT: 9.14 min Scan# 1199

Delta R.T. -0.02 min

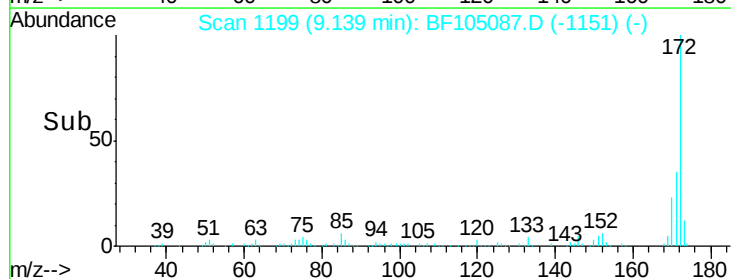
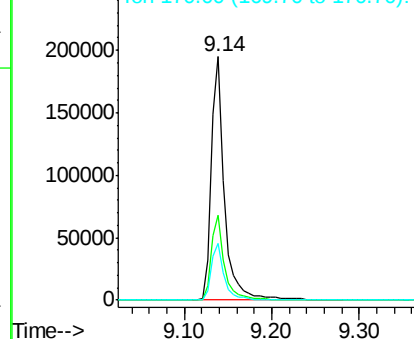
Lab File: BF105087.D

Acq: 3 May 2018 21:52

Tgt Ion:	172	Resp:	204145
Ion Ratio	Lower	Upper	
172	100		
171	34.9	29.7	44.5
170	23.3	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





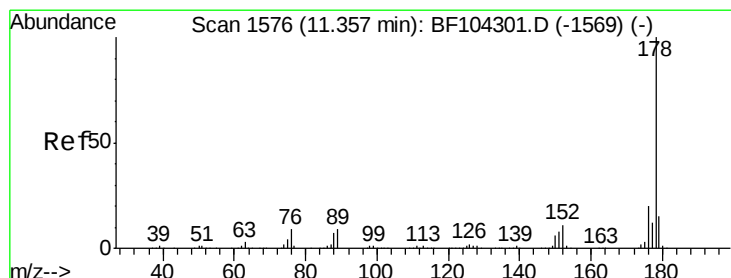
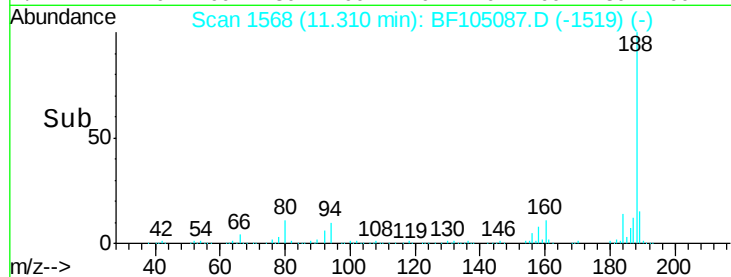
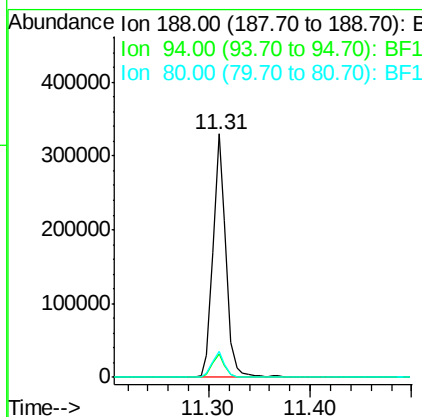
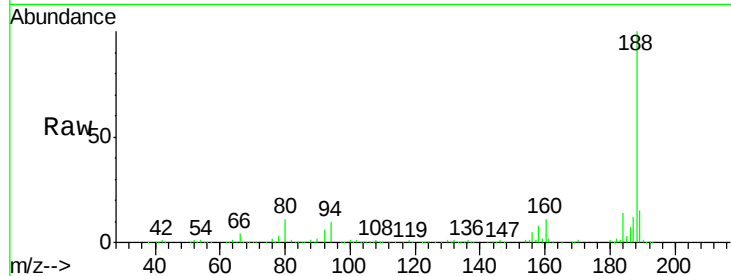
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF105087.D
Acq: 3 May 2018 21:52

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
188	100	290814		
94	9.8		8.5	12.7
80	10.7		9.2	13.8

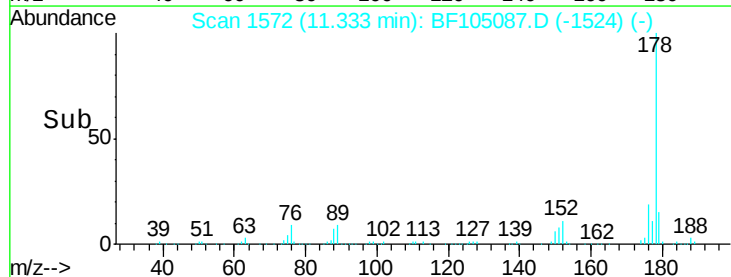
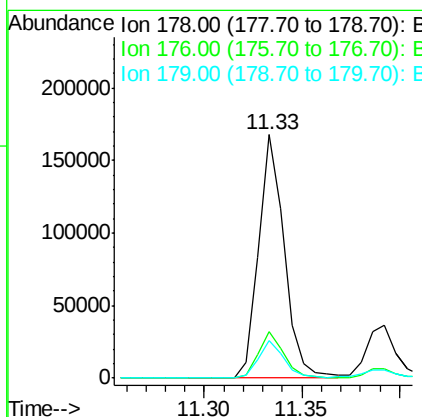
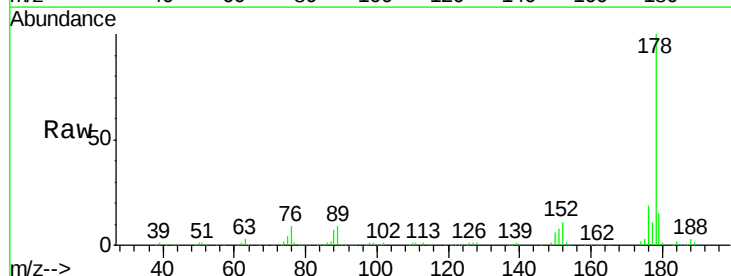
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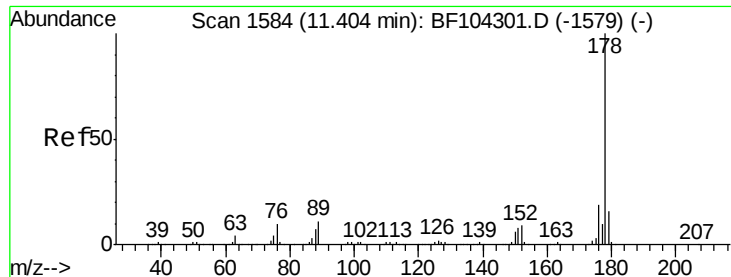
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#70
Phenanthrene
Concen: 9.468 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.02 min
Lab File: BF105087.D
Acq: 3 May 2018 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	153334		
176	19.3		15.8	23.8
179	15.2		13.0	19.6





#71

Anthracene

Concen: 2.612 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF105087.D

Acq: 3 May 2018 21:52

Instrument :

BNA_F

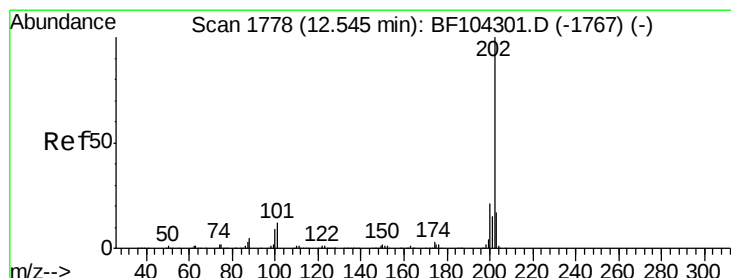
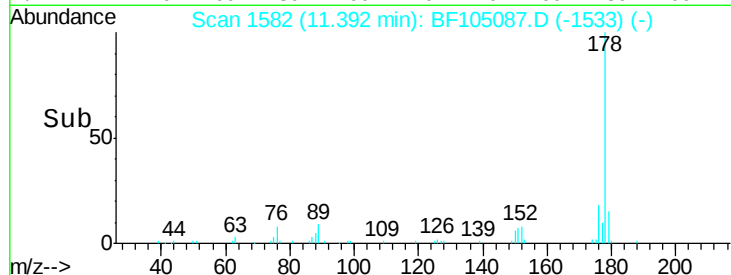
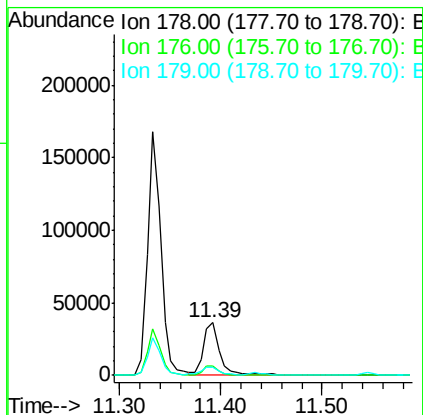
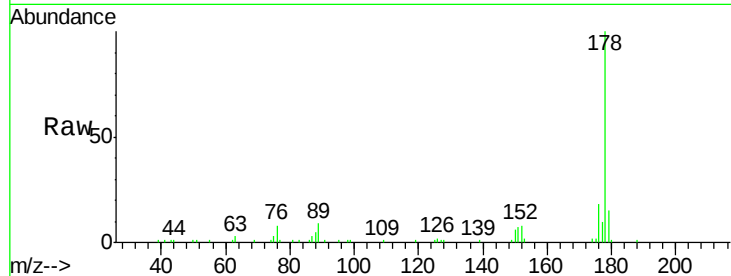
ClientSampleId :

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Tot Ion:178	Resp:	43000
Ion Ratio	Lower	Upper
178	100	
176	18.3	15.4 23.2
179	14.8	12.6 19.0

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#74

Fluoranthene

Concen: 16.128 ng

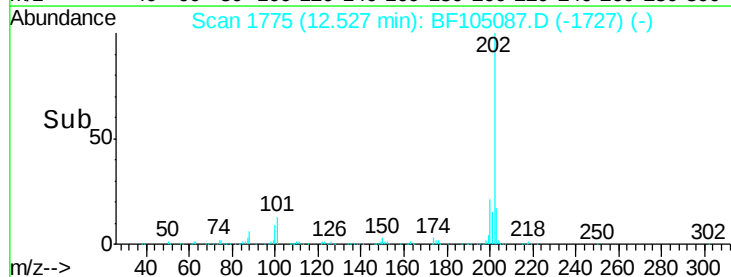
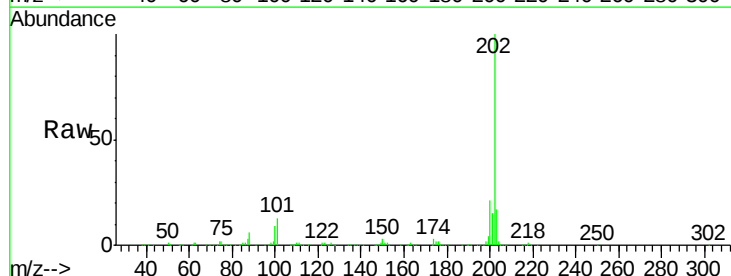
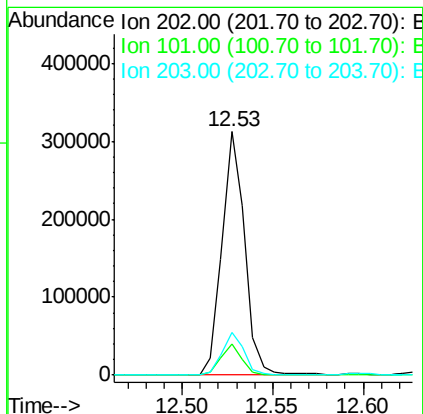
RT: 12.53 min Scan# 1775

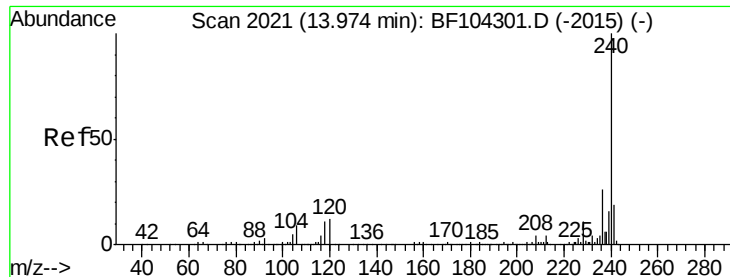
Delta R.T. -0.02 min

Lab File: BF105087.D

Acq: 3 May 2018 21:52

Tgt Ion:202	Resp:	272898
Ion Ratio	Lower	Upper
202	100	
101	12.9	0.0 34.1
203	17.5	0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.04 min

Lab File: BF105087.D

Acq: 3 May 2018 21:52

Instrument :

BNA_F

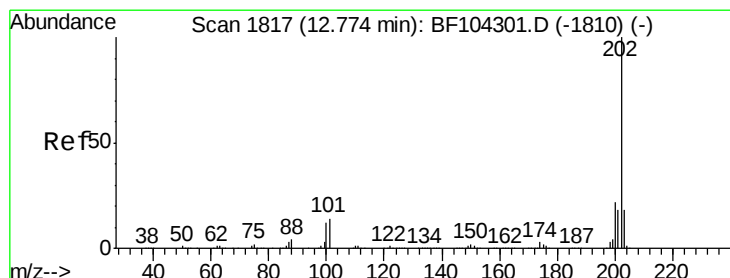
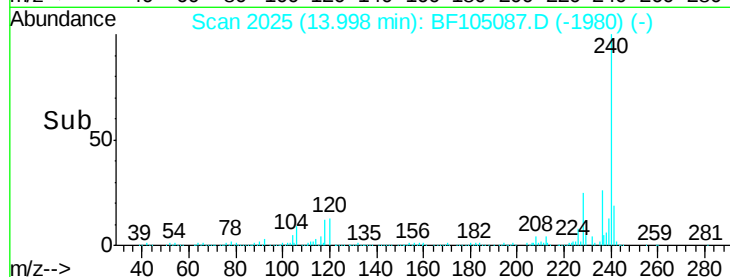
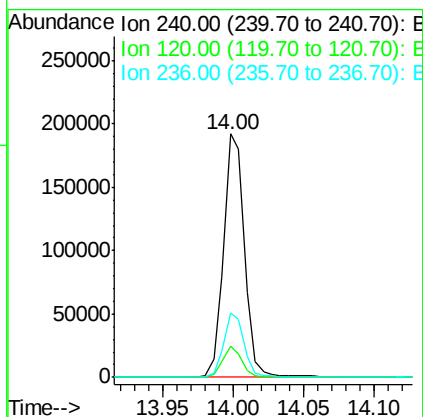
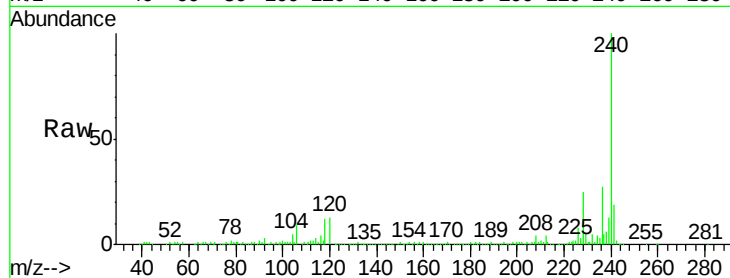
ClientSampleId :

PLANTER-AREAS-PRECHAR

Tot Ion:	240	Resp:	197599
Ion Ratio	Lower	Upper	
240	100		
120	13.1	9.5	14.3
236	26.6	20.7	31.1

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#77

Pyrene

Concen: 16.577 ng

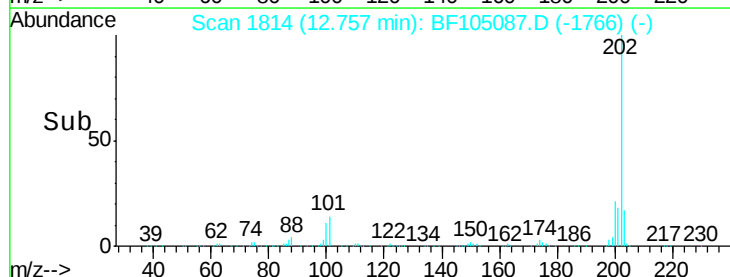
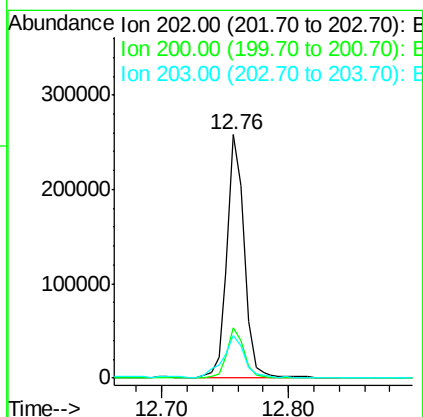
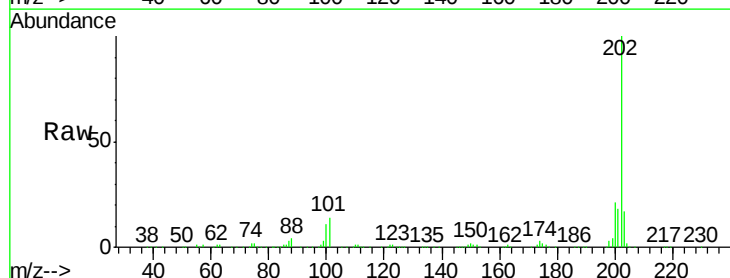
RT: 12.76 min Scan# 1814

Delta R.T. -0.02 min

Lab File: BF105087.D

Acq: 3 May 2018 21:52

Tgt Ion:	202	Resp:	242795
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	17.3	14.3	21.5





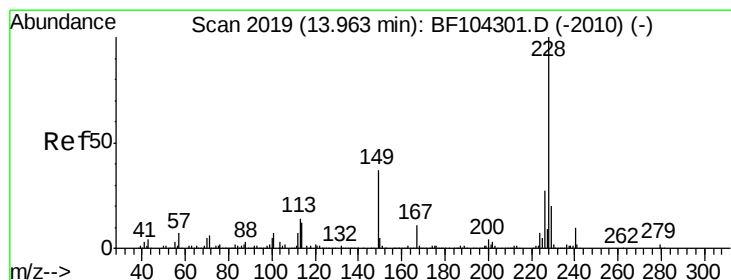
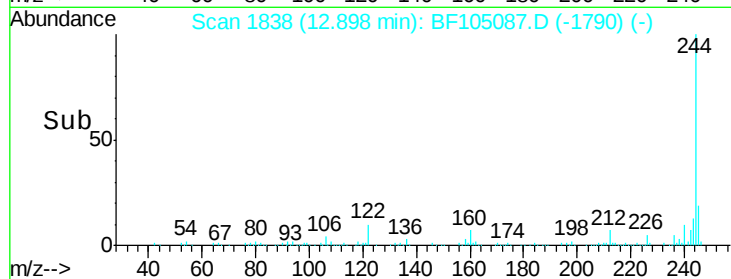
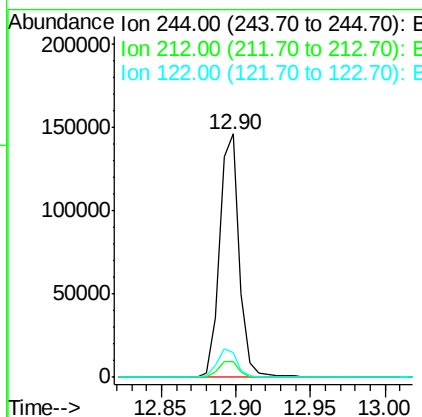
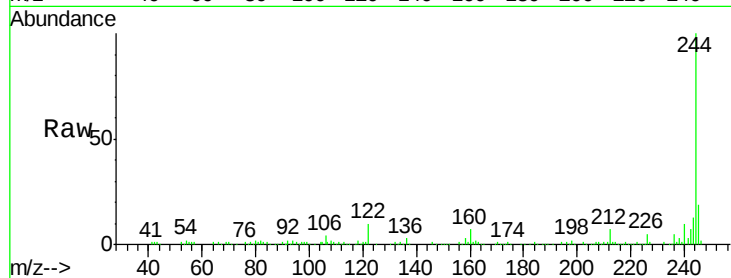
#78
 Terphenyl-d14
 Concen: 15.638 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.02 min
 Lab File: BF105087.D
 Acq: 3 May 2018 21:52

Instrument :
 BNA_F
 ClientSampleId :
 PLANTER-AREAS-PRECHAR

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.1	11.0	16.4

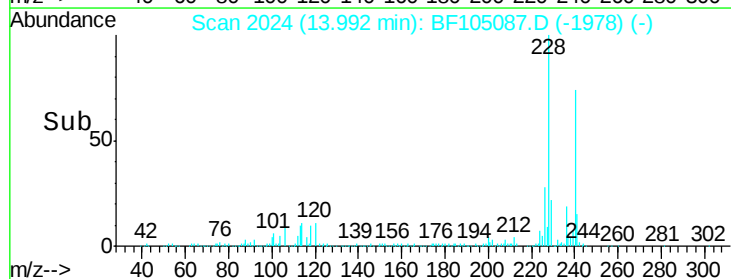
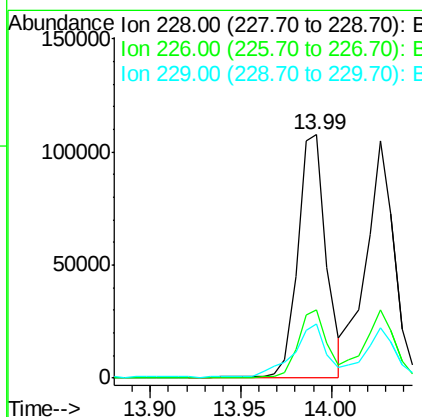
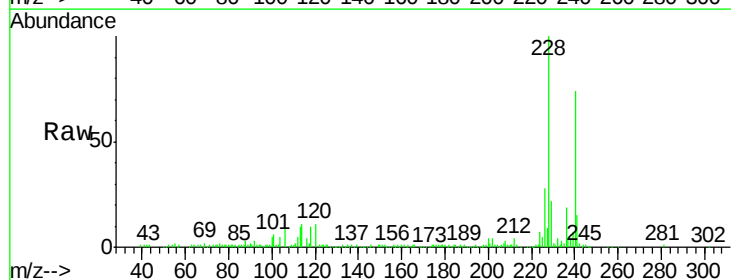
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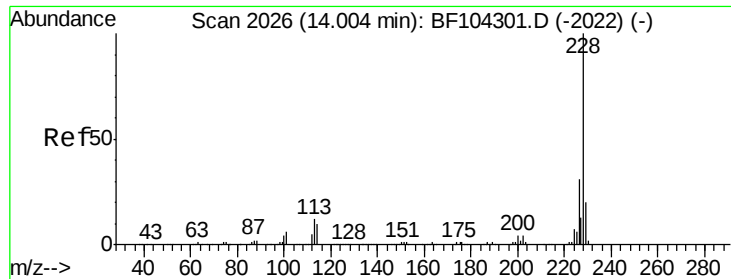
Sohil
 5/4/2018 10:51:49 AM



#80
 Benzo(a)anthracene
 Concen: 10.087 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.03 min
 Lab File: BF105087.D
 Acq: 3 May 2018 21:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	22.3	15.8	23.6





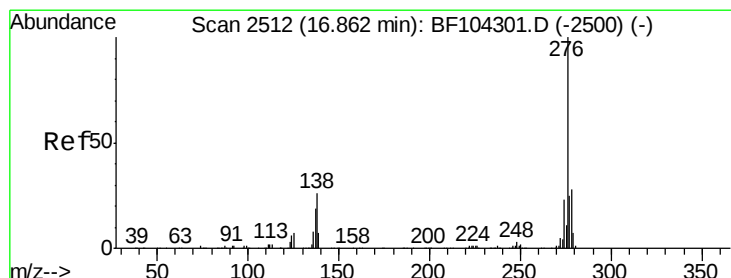
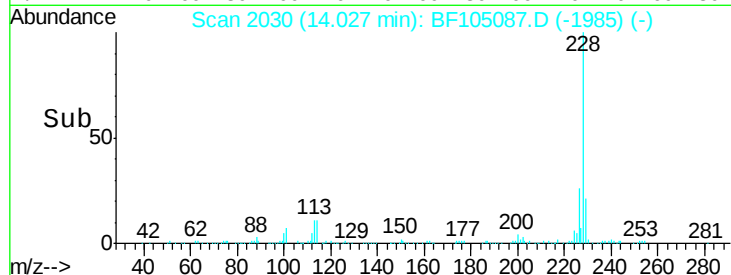
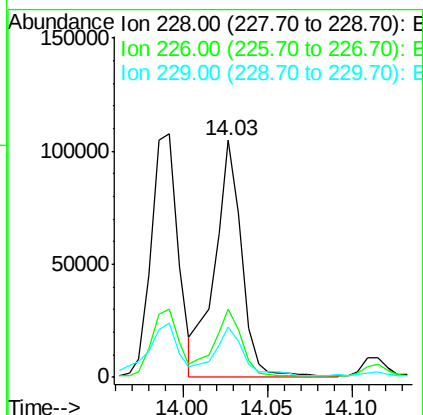
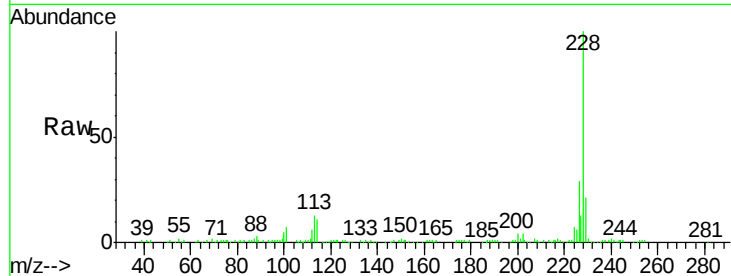
#82
Chrysene
Concen: 9.581 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.04 min
Lab File: BF105087.D
Acq: 3 May 2018 21:52

Instrument :
BNA_F
ClientSampleId :
PLANTER-AREAS-PRECHAR

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	21.4	16.2	24.4

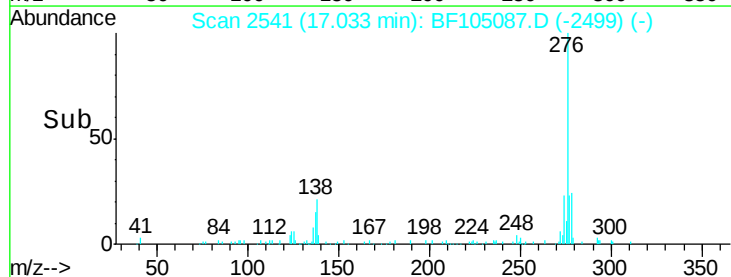
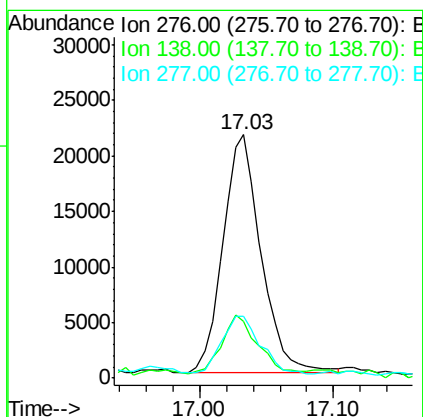
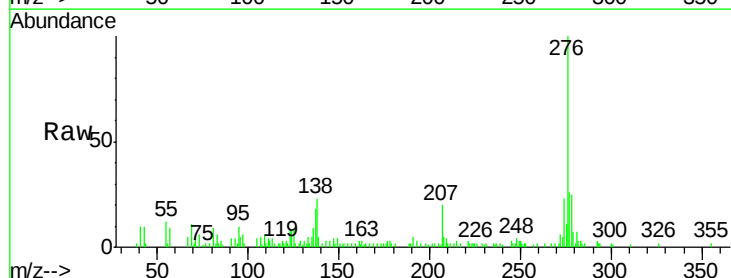
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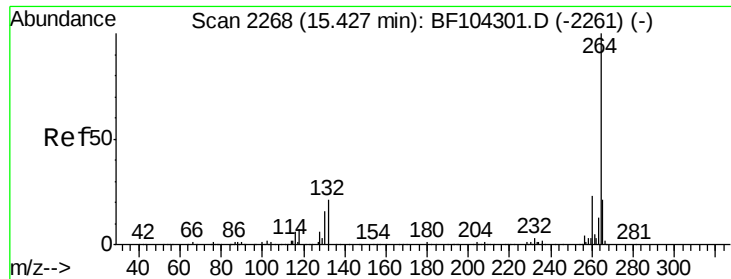
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.135 ng
RT: 17.03 min Scan# 2541
Delta R.T. -0.05 min
Lab File: BF105087.D
Acq: 3 May 2018 21:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.6	25.0	37.6
277	24.2	20.1	30.1





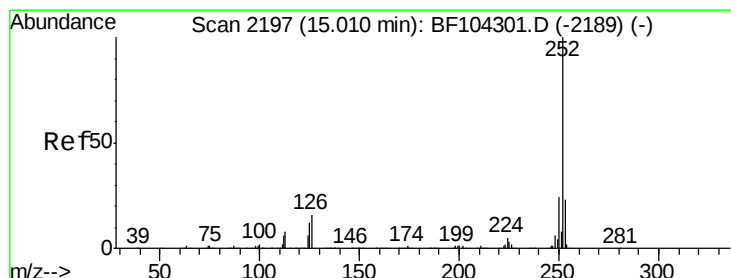
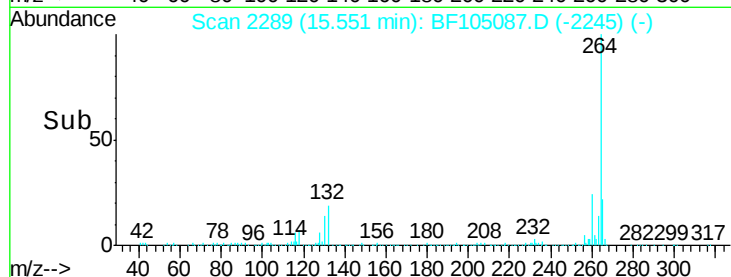
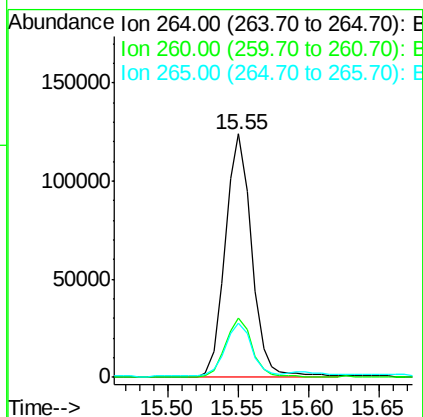
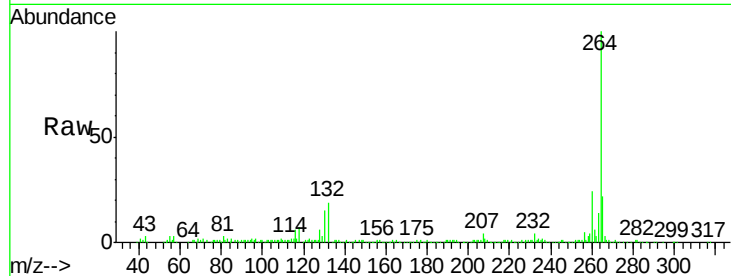
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.04 min
Lab File: BF105087.D
Acq: 3 May 2018 21:52

Instrument :
BNA_F
ClientSampleId :
PLANTER-AREAS-PRECHAR

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.0	17.5	26.3

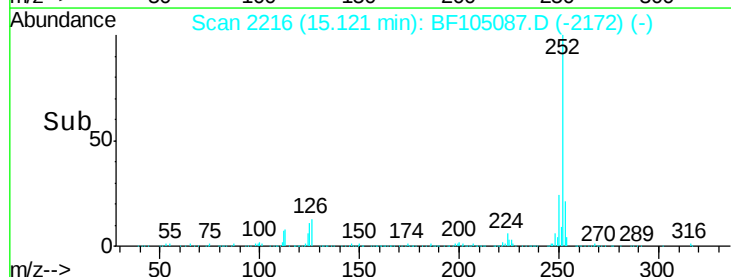
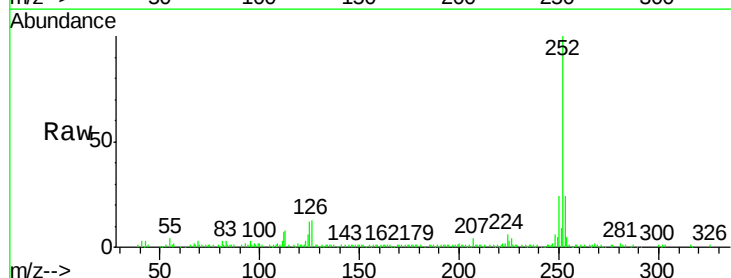
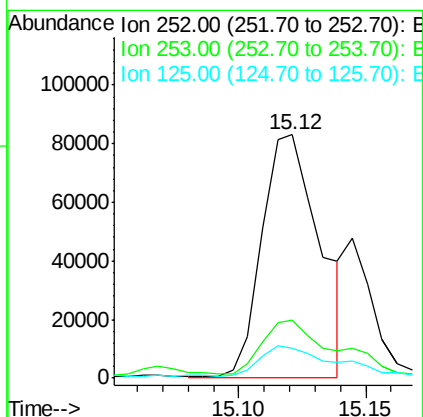
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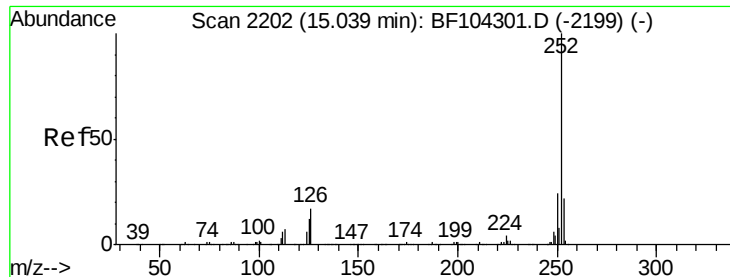
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#87
Benzo(b)fluoranthene
Concen: 12.948 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.04 min
Lab File: BF105087.D
Acq: 3 May 2018 21:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	12.0	9.0	13.6





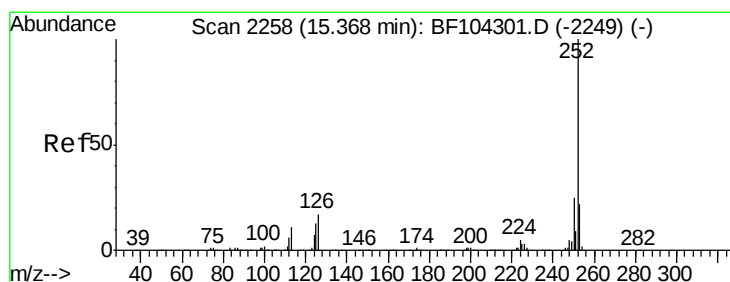
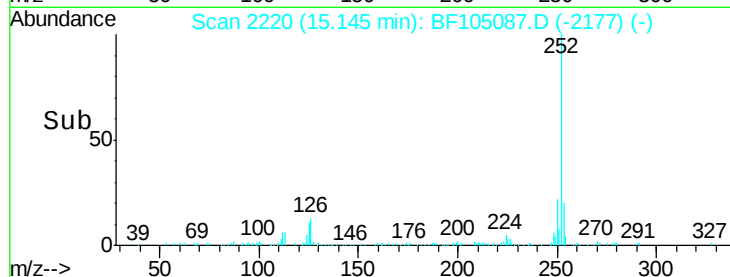
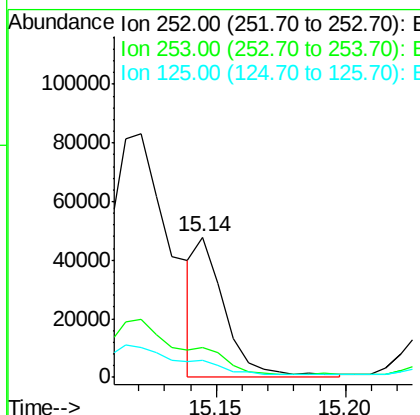
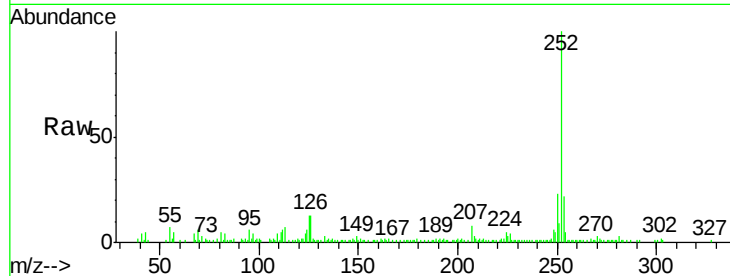
#88
Benzo(k)fluoranthene
Concen: 3.901 ng m
RT: 15.14 min Scan# 2220
Delta R.T. -0.05 min
Lab File: BF105087.D
Acq: 3 May 2018 21:52

Instrument :
BNA_F
ClientSampleId :
PLANTER-AREAS-PRECHAR

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	12.5	10.2	15.2

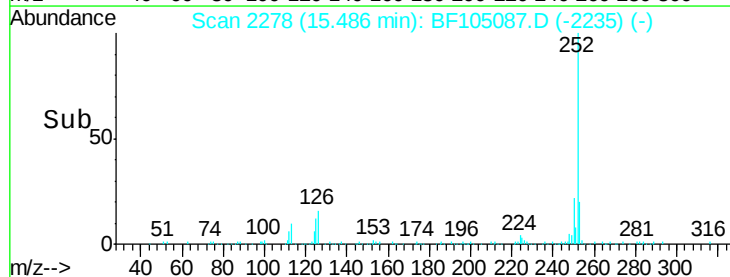
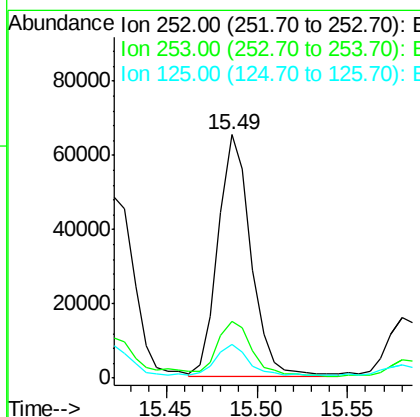
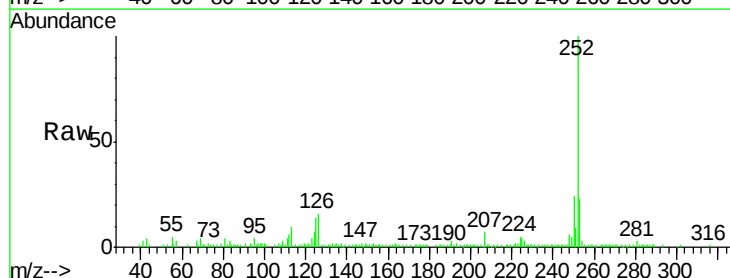
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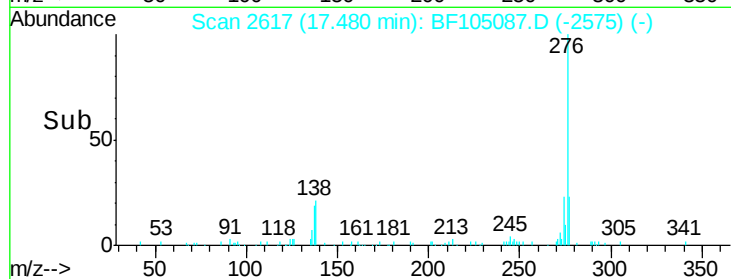
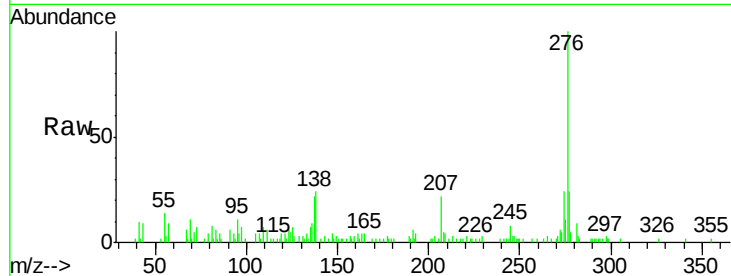
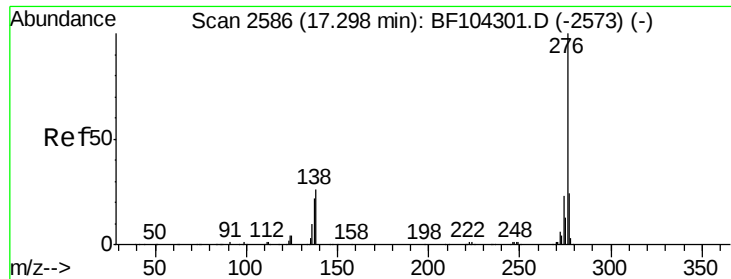
Sohil
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#89
Benzo(a)pyrene
Concen: 8.985 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.05 min
Lab File: BF105087.D
Acq: 3 May 2018 21:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	13.8	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 6.112 ng

RT: 17.48 min Scan# 2617

Delta R.T. -0.05 min

Lab File: BF105087.D

Acq: 3 May 2018 21:52

Instrument :

BNA_F

ClientSampleId :

PLANTER-AREAS-PRECHAR

Tot Ion: 276 Resp: 44654

Ion Ratio Lower Upper

276 100

277 24.3 17.9 26.9

138 24.0 21.8 32.8

Manual Integrations

APPROVED

Sohil

5/4/2018 10:51:49 AM

