

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
 Data File : BF107274.D
 Acq On : 10 Jul 2018 15:55
 Operator : JU/SJ
 Sample : J3896-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-SOIL

Manual Integrations
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Sohil
 7/11/2018 11:22:46 AM

Quant Time: Jul 11 08:23:33 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	37459	20.00	ng	-0.02
21) Naphthalene-d8	8.22	136	130685	20.00	ng	-0.02
38) Acenaphthene-d10	9.98	164	58917	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	123226	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	118475	20.00	ng	-0.02
86) Perylene-d12	15.69	264	88246	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	129383	58.49	ng	-0.02
7) Phenol-d6	6.58	99	153072	55.41	ng	-0.03
23) Nitrobenzene-d5	7.50	82	84909	36.11	ng	-0.04
41) 2,4,6-Tribromophenol	10.78	330	38427	56.27	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	137030	29.79	ng	-0.03
78) Terphenyl-d14	13.06	244	172116	35.19	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.69	163	26469	5.990	ng	Qvalue # 99
51) Acenaphthene	10.01	154	7695	2.094	ng	96
57) Fluorene	10.54	166	9884	2.476	ng	97
70) Phenanthrene	11.50	178	90074	15.155	ng	98
71) Anthracene	11.55	178	28400	4.681	ng	99
74) Fluoranthene	12.70	202	144313	22.030	ng	97
77) Pyrene	12.94	202	142670	18.262	ng	99
80) Benzo(a)anthracene	14.13	228	66504m	9.210	ng	
82) Chrysene	14.17	228	60542m	9.114	ng	
85) Indeno(1,2,3-cd)pyrene	17.28	276	19771	3.507	ng	# 86
87) Benzo(b)fluoranthene	15.23	252	58046m	10.589	ng	
88) Benzo(k)fluoranthene	15.25	252	16713m	3.202	ng	
89) Benzo(a)pyrene	15.62	252	37551	7.706	ng	97
91) Benzo(a,h,i)perylene	17.77	276	21712	5.379	ng	# 90

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

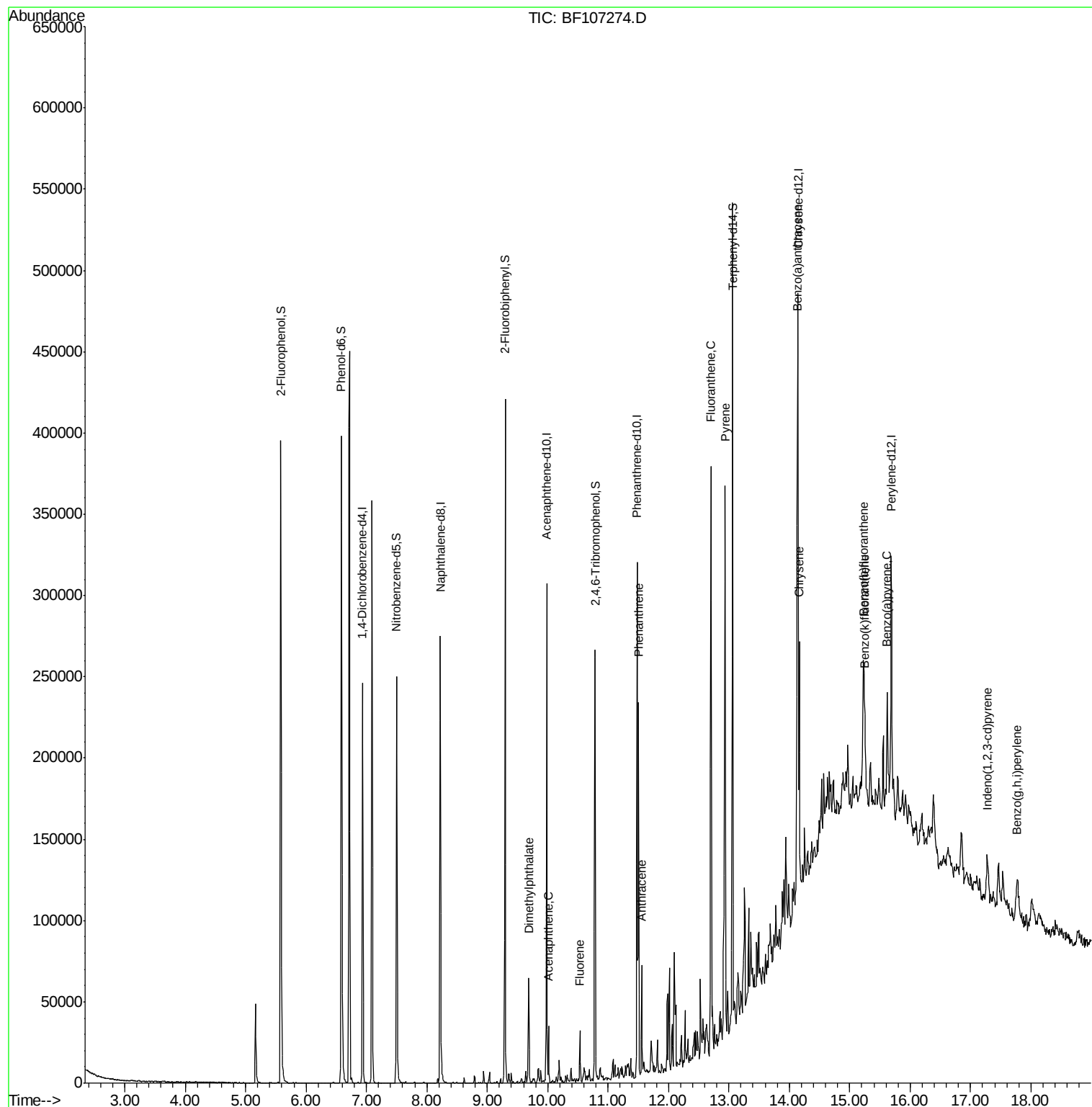
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107274.D
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
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#1

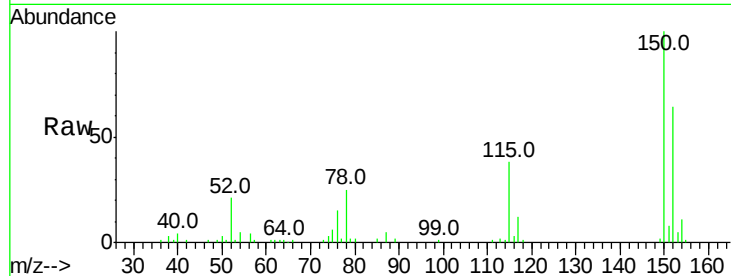
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 782
Delta R.T. -0.02 min
Lab File: BF107274.D
Acq: 10 Jul 2018 15:55

Instrument :
BNA_F
ClientSampleId :
JC-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.6	186.8
115	59.8	50.1	75.1

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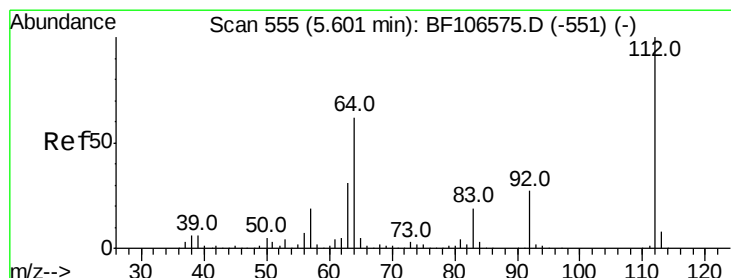
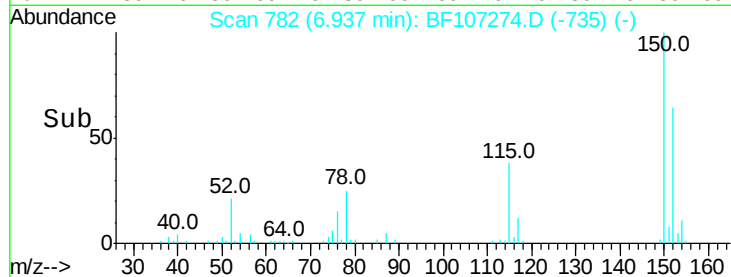
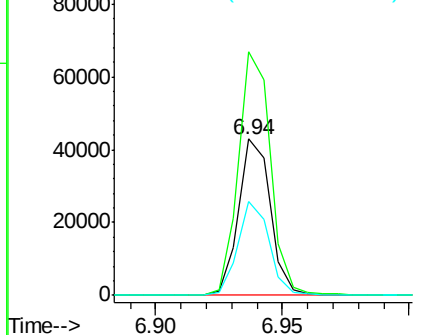


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

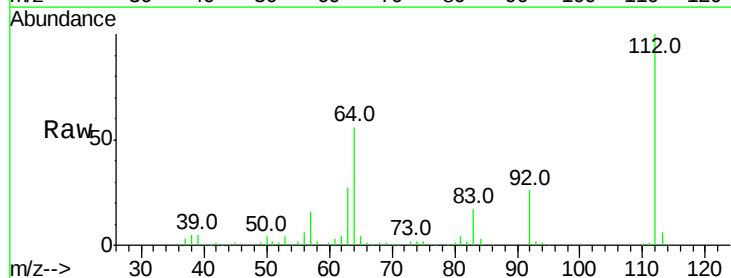
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 58.487 ng
RT: 5.58 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF107274.D
Acq: 10 Jul 2018 15:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	47.9	71.9
63	27.3	23.7	35.5

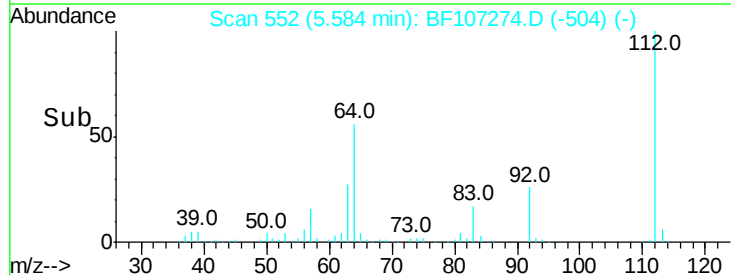
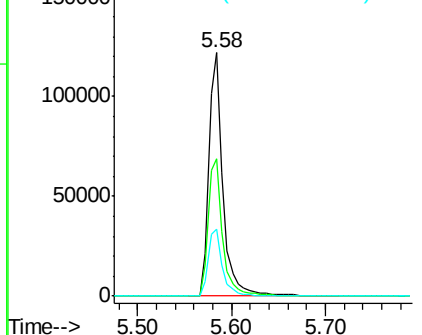


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 55.409 ng

RT: 6.58 min Scan# 722

Delta R.T. -0.03 min

Lab File: BF107274.D

Acq: 10 Jul 2018 15:55

Instrument :

BNA_F

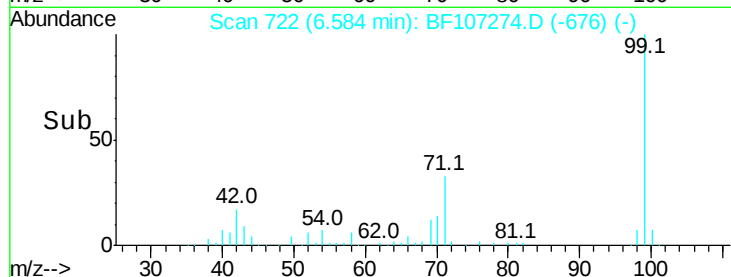
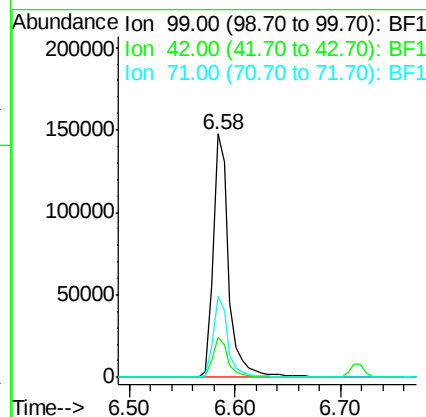
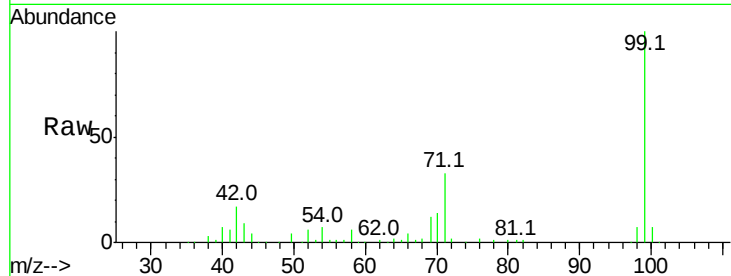
ClientSampleId :

JC-SOIL

Tot Ion:	99	Resp:	153072
Ion Ratio	Lower	Upper	
99	100		
42	16.7	14.5	21.7
71	33.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

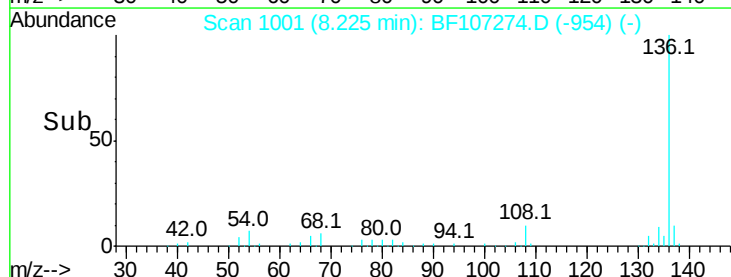
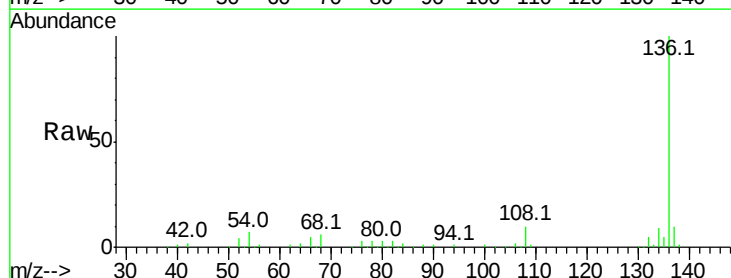
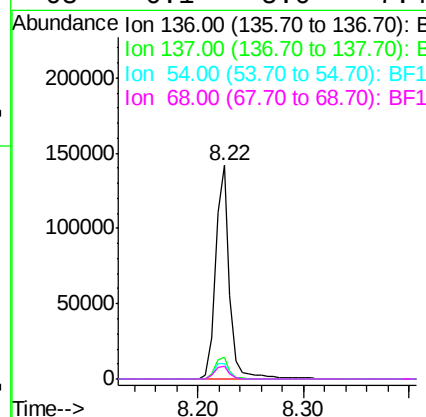
RT: 8.22 min Scan# 1001

Delta R.T. -0.02 min

Lab File: BF107274.D

Acq: 10 Jul 2018 15:55

Tgt Ion:	136	Resp:	130685
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.9	13.3
54	7.4	6.6	9.8
68	6.1	5.0	7.4





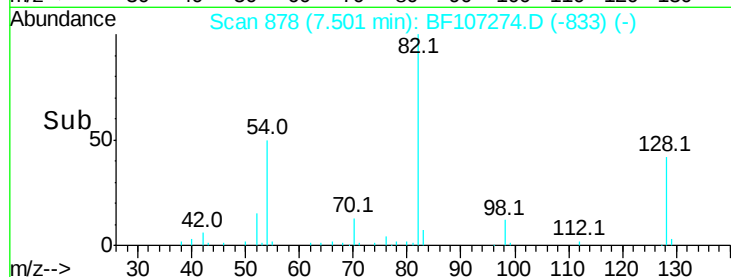
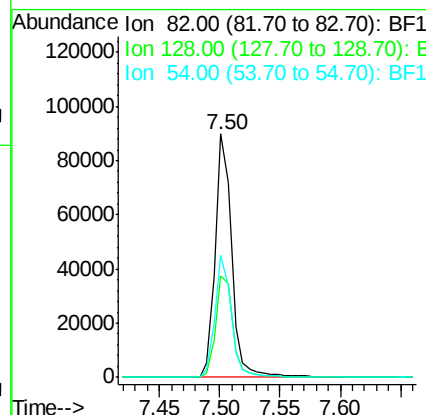
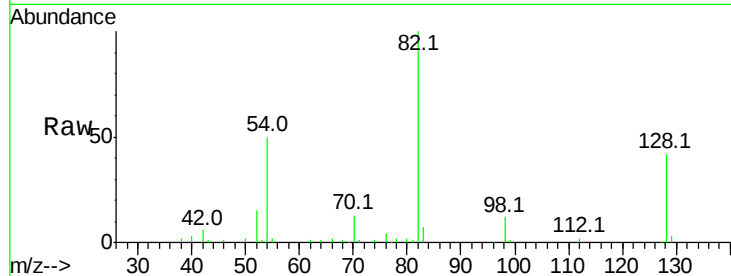
#23
 Nitrobenzene-d5
 Concen: 36.107 ng
 RT: 7.50 min Scan# 878
 Delta R.T. -0.04 min
 Lab File: BF107274.D
 Acq: 10 Jul 2018 15:55

Instrument :
 BNA_F
 ClientSampleId :
 JC-SOIL

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.6	36.1	54.1
54	50.3	41.4	62.2

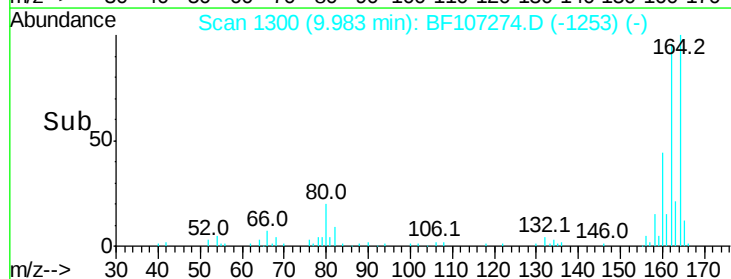
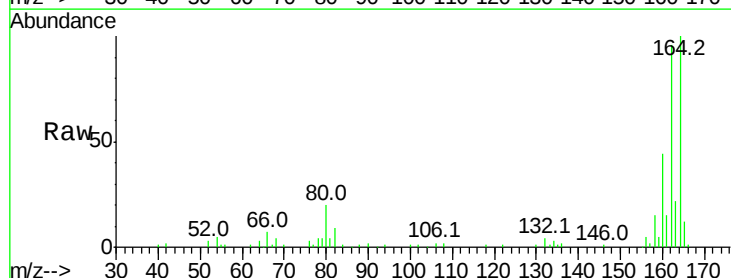
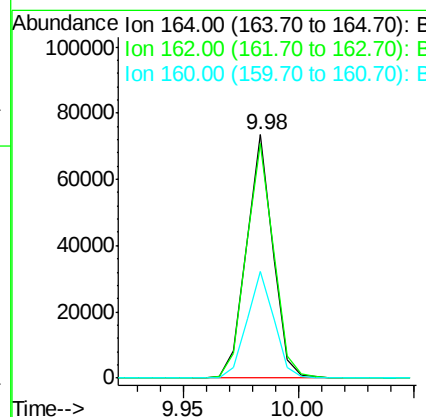
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF107274.D
 Acq: 10 Jul 2018 15:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.4	86.1	129.1
160	44.0	38.3	57.5





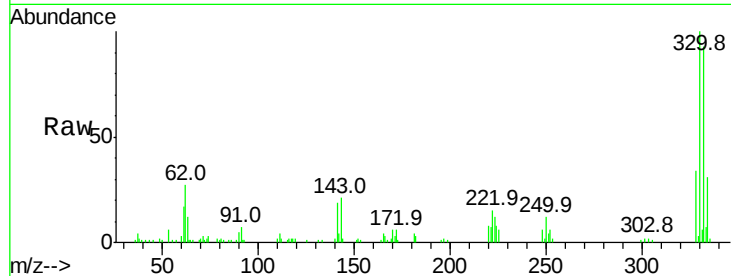
#41
 2,4,6-Tribromophenol
 Concen: 56.273 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF107274.D
 Acq: 10 Jul 2018 15:55

Instrument :
 BNA_F
 ClientSampled :
 JC-SOIL

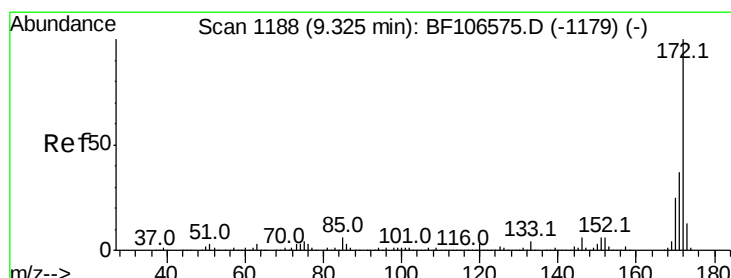
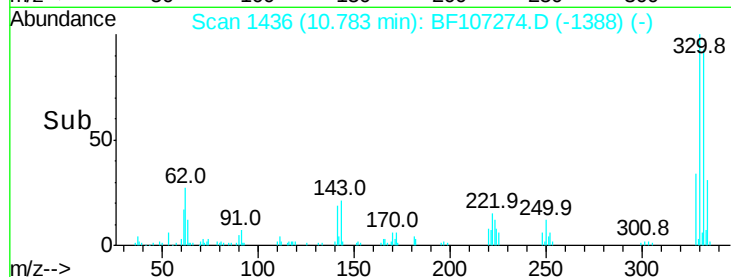
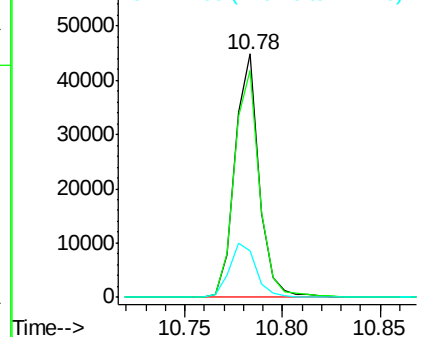
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1	77.0	115.6	
141	24.6	29.9	44.9#	

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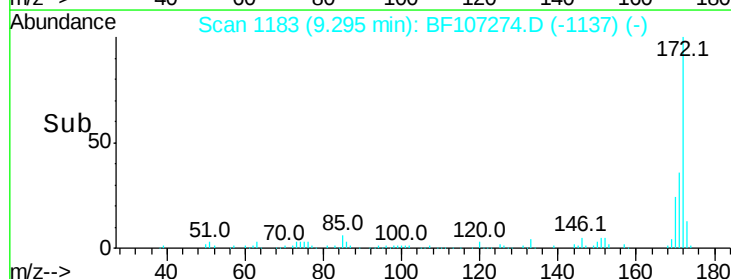
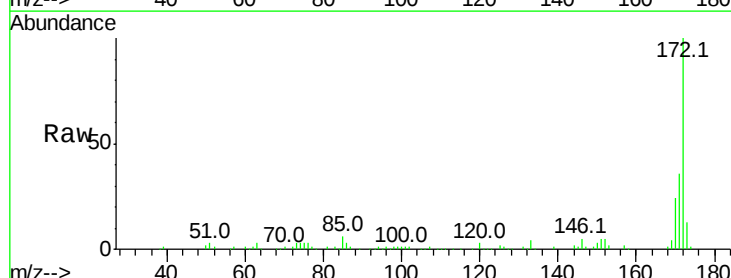
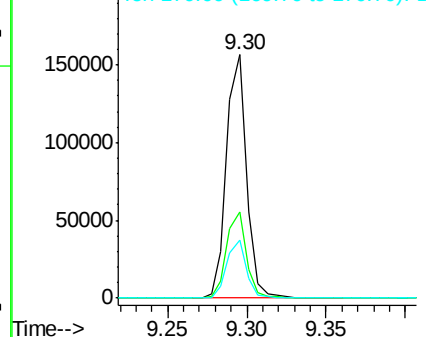
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 29.785 ng
 RT: 9.30 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: BF107274.D
 Acq: 10 Jul 2018 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.6	29.7	44.5	
170	23.6	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





#49

Dimethylphthalate

Concen: 5.990 ng

RT: 9.69 min Scan# 1250

Delta R.T. -0.04 min

Lab File: BF107274.D

Acq: 10 Jul 2018 15:55

Instrument :

BNA_F

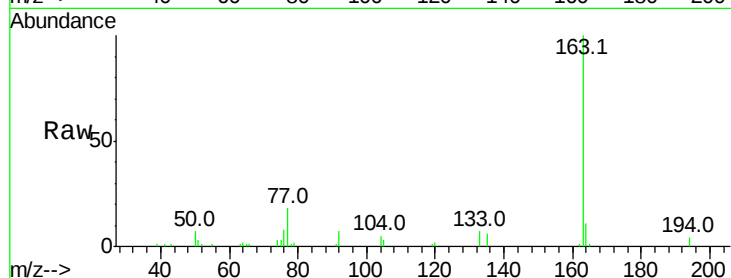
ClientSampleId :

JC-SOIL

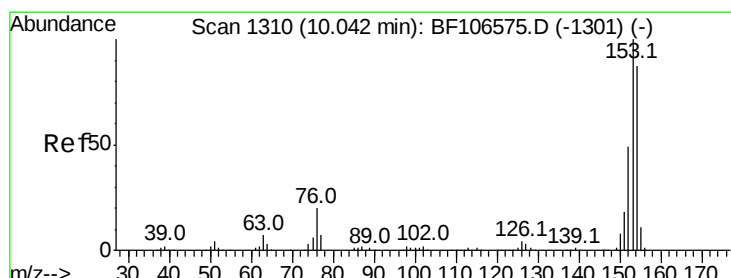
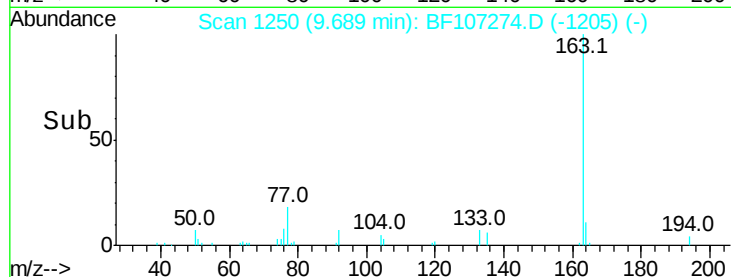
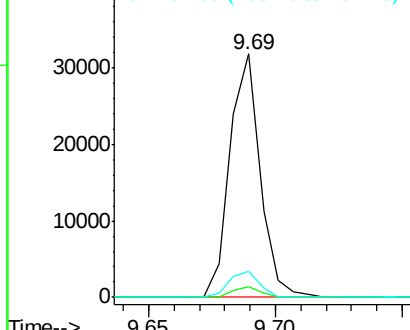
Tot Ion:	163	Resp:	26469
Ion Ratio	Lower	Upper	
163	100		
194	4.3	2.7	4.1#
164	10.5	8.2	12.2

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 2.094 ng

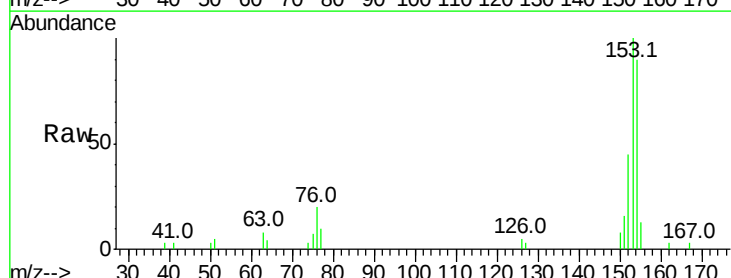
RT: 10.01 min Scan# 1305

Delta R.T. -0.03 min

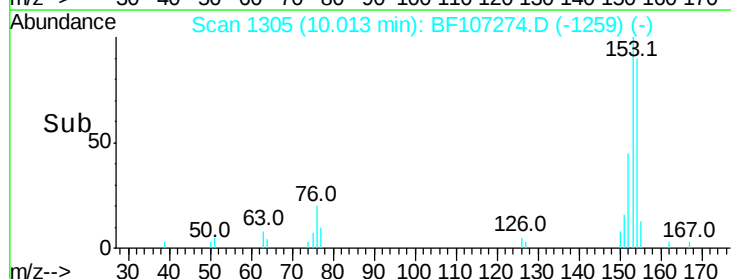
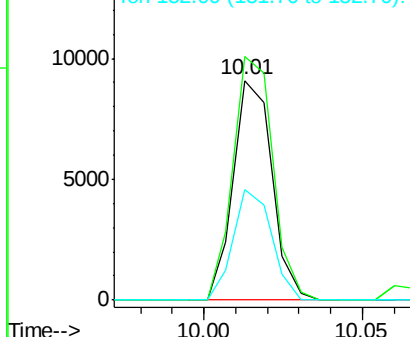
Lab File: BF107274.D

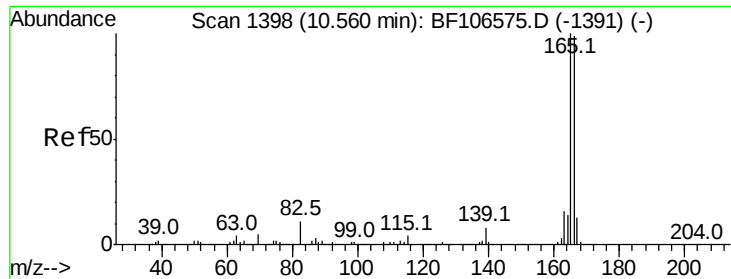
Acq: 10 Jul 2018 15:55

Tgt Ion:	154	Resp:	7695
Ion Ratio	Lower	Upper	
154	100		
153	111.0	91.2	136.8
152	50.1	43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 2.476 ng

RT: 10.54 min Scan# 1394

Delta R.T. -0.02 min

Lab File: BF107274.D

Acq: 10 Jul 2018 15:55

Instrument :

BNA_F

ClientSampleId :

JC-SOIL

Tot Ion:166 Resp: 9884

Ion Ratio Lower Upper

166 100

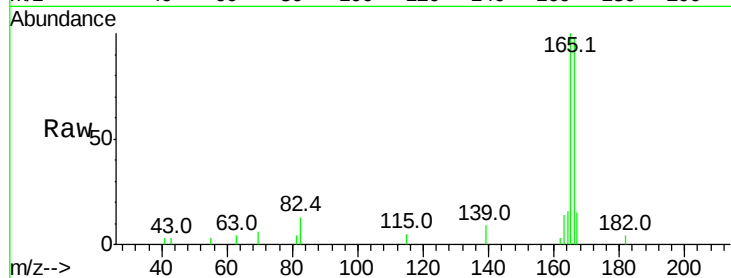
165 102.6 79.8 119.8

167 15.4 10.6 16.0

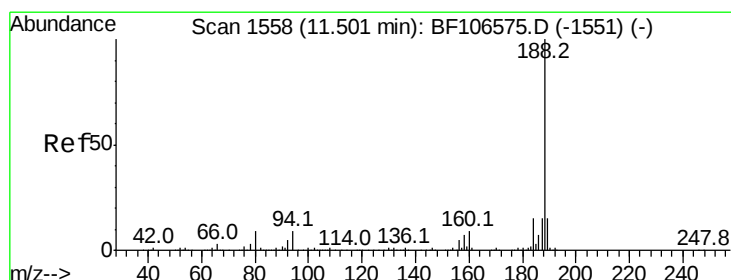
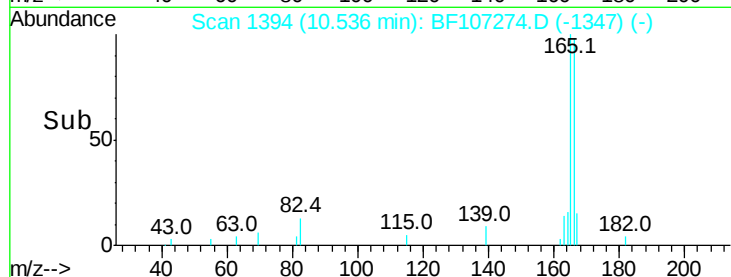
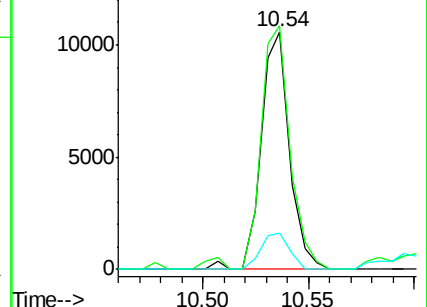
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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1554

Delta R.T. -0.02 min

Lab File: BF107274.D

Acq: 10 Jul 2018 15:55

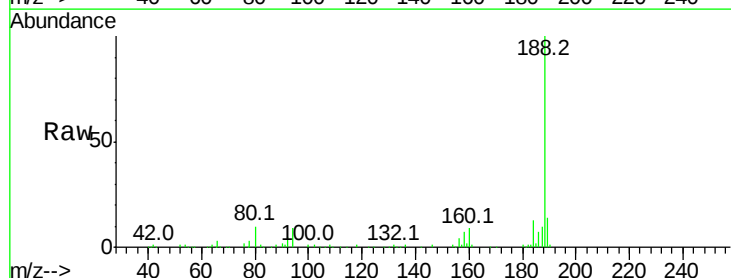
Tgt Ion:188 Resp: 123226

Ion Ratio Lower Upper

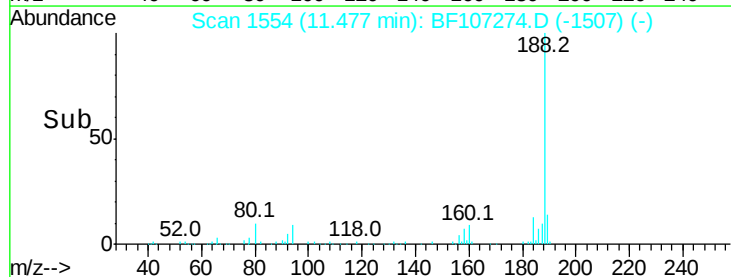
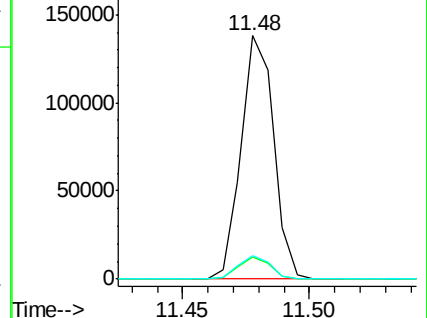
188 100

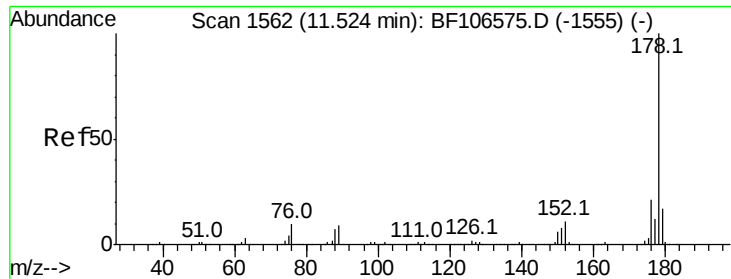
94 9.1 8.5 12.7

80 9.9 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





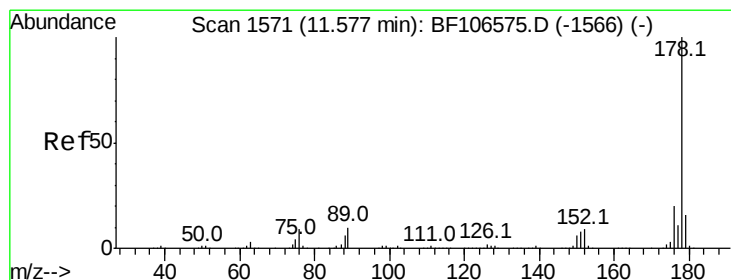
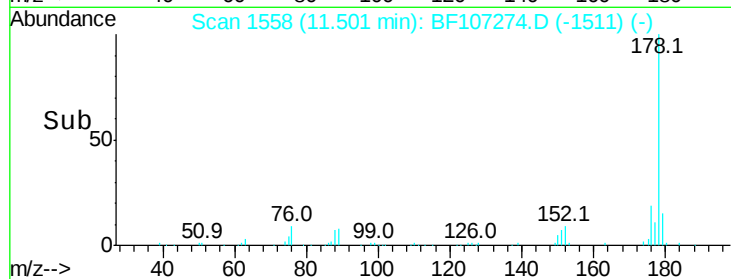
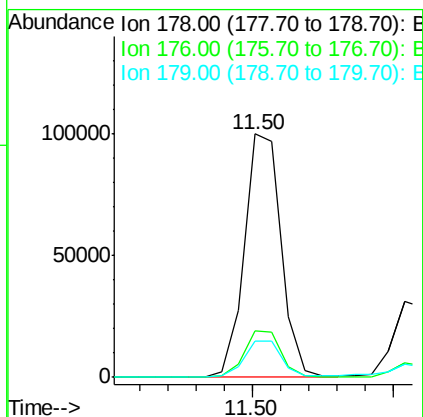
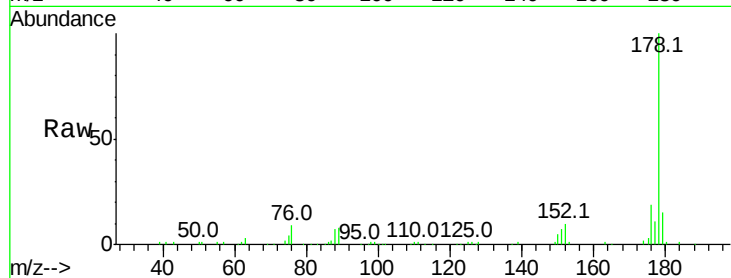
#70
Phenanthrene
Concen: 15.155 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.02 min
Lab File: BF107274.D
Acq: 10 Jul 2018 15:55

Instrument :
BNA_F
ClientSampleId :
JC-SOIL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.1	13.0	19.6

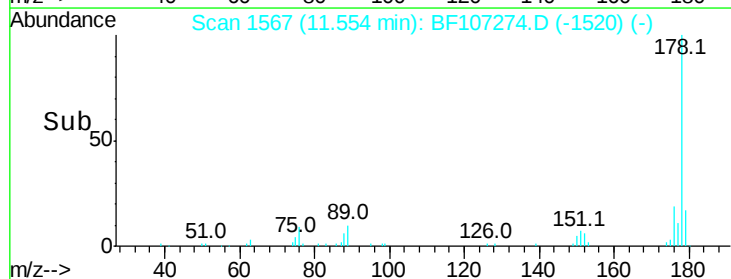
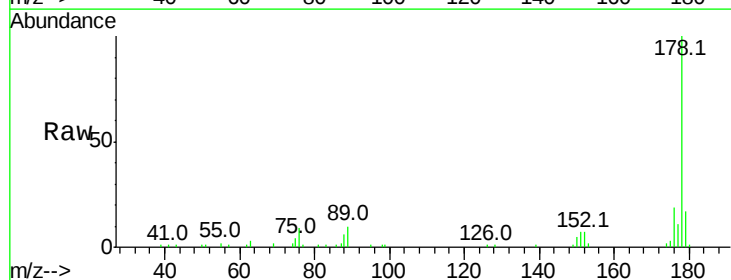
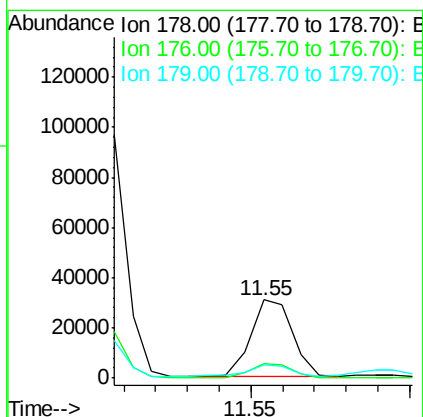
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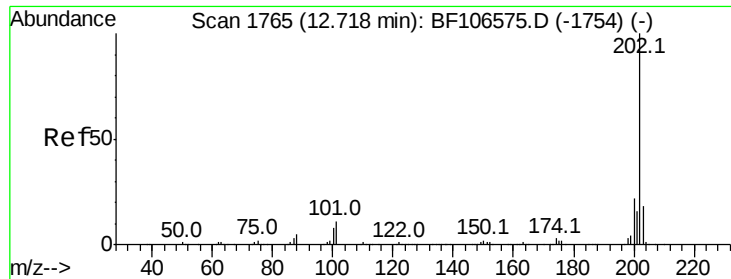
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#71
Anthracene
Concen: 4.681 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF107274.D
Acq: 10 Jul 2018 15:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	17.0	12.6	19.0





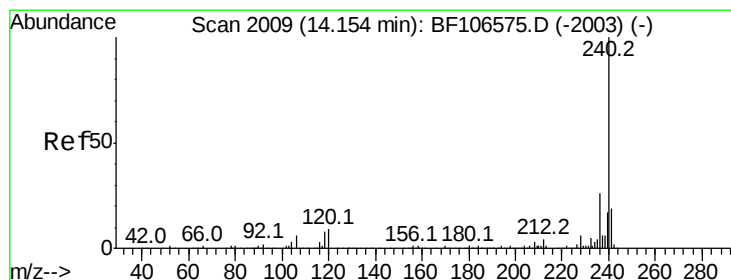
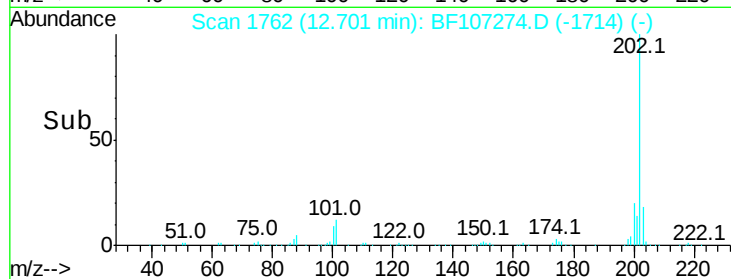
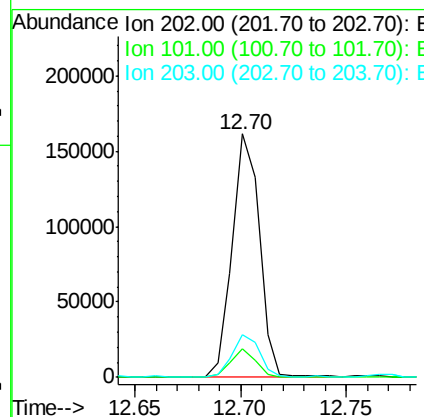
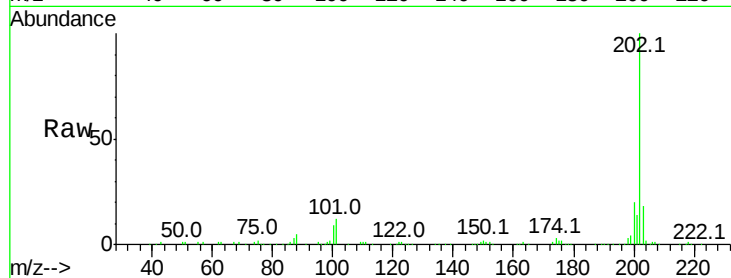
#74
 Fluoranthene
 Concen: 22.030 ng
 RT: 12.70 min Scan# 1762
 Delta R.T. -0.02 min
 Lab File: BF107274.D
 Acq: 10 Jul 2018 15:55

Instrument :
 BNA_F
 ClientSampleId :
 JC-SOIL

Tot Ion:	202	Resp:	144313
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	34.1
203	17.6	0.0	38.1

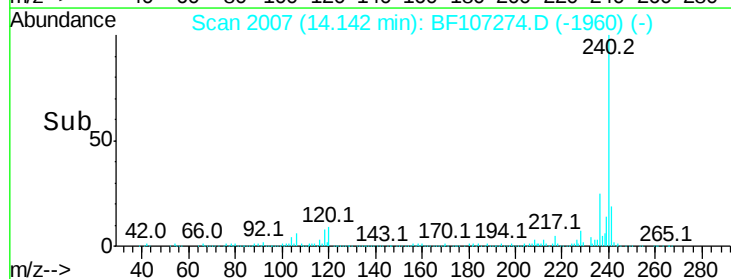
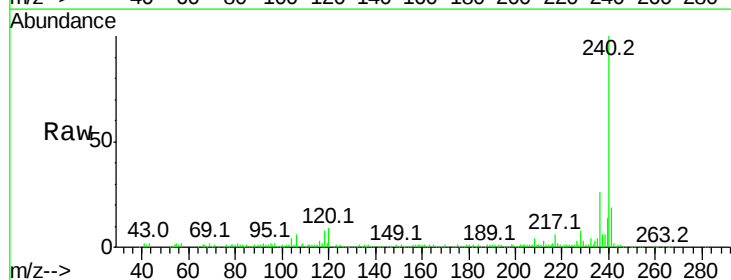
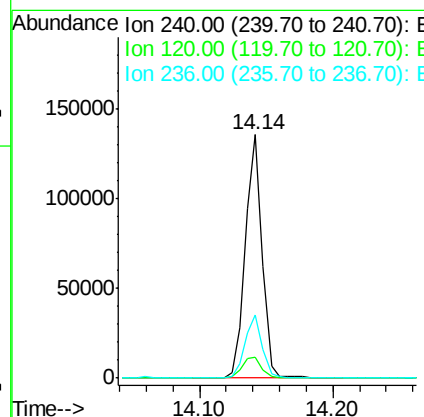
Manual Integrations
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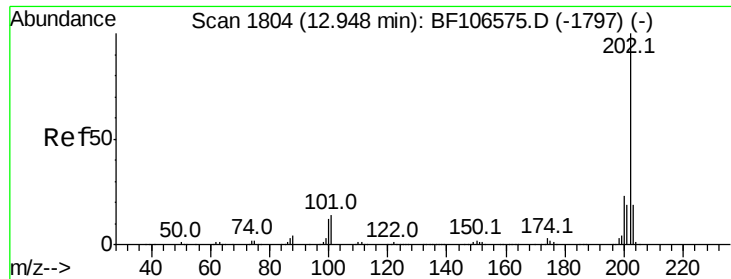
Sohil
 7/11/2018 11:22:46 AM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.02 min
 Lab File: BF107274.D
 Acq: 10 Jul 2018 15:55

Tgt Ion:	240	Resp:	118475
Ion Ratio	Lower	Upper	
240	100		
120	8.8	9.5	14.3#
236	25.7	20.7	31.1





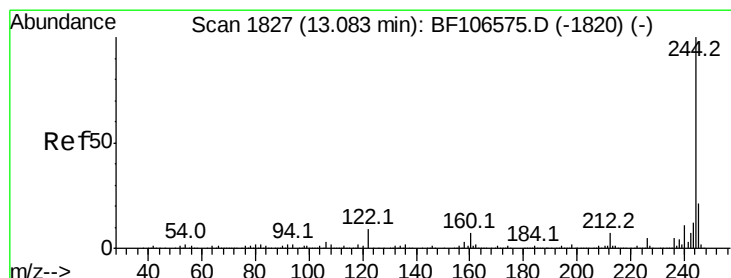
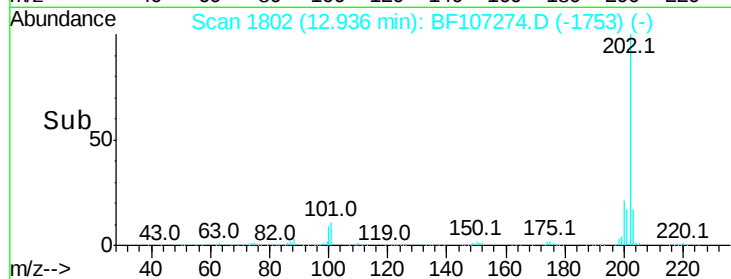
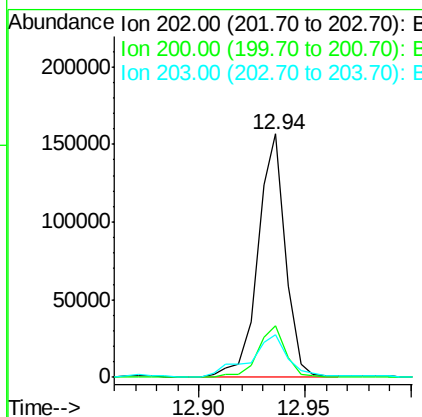
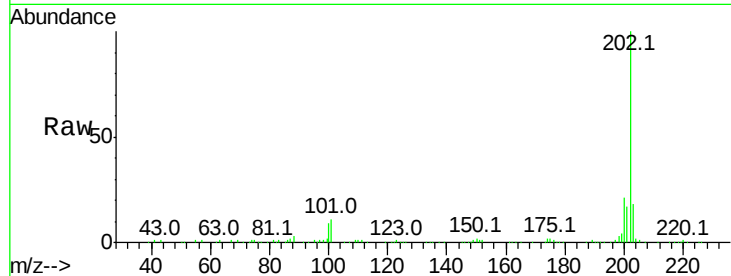
#77
Pvrene
Concen: 18.262 ng
RT: 12.94 min Scan# 1802
Delta R.T. -0.01 min
Lab File: BF107274.D
Acq: 10 Jul 2018 15:55

Instrument :
BNA_F
ClientSampleId :
JC-SOIL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.6	14.3	21.5

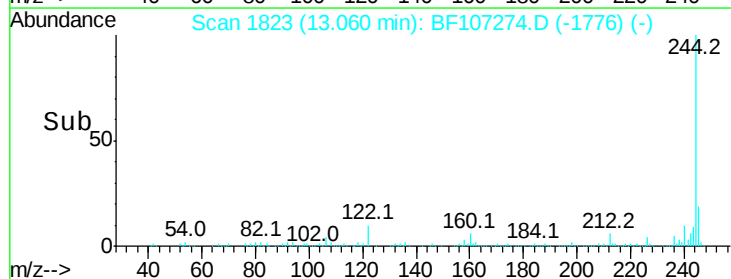
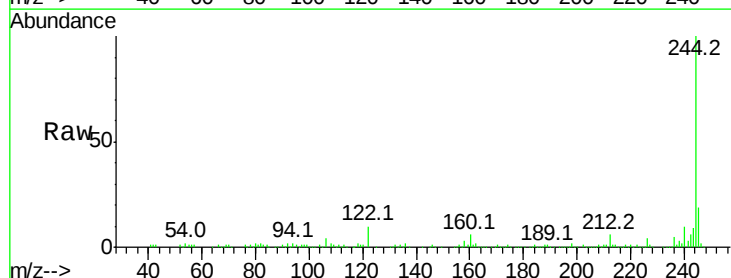
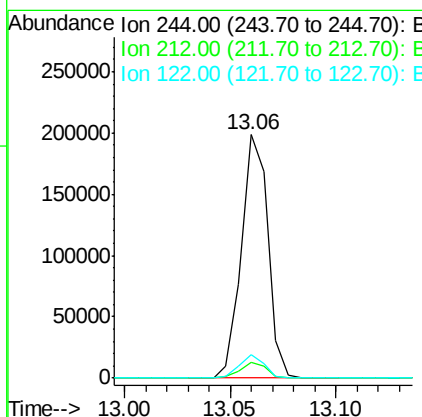
Manual Integrations
APPROVED

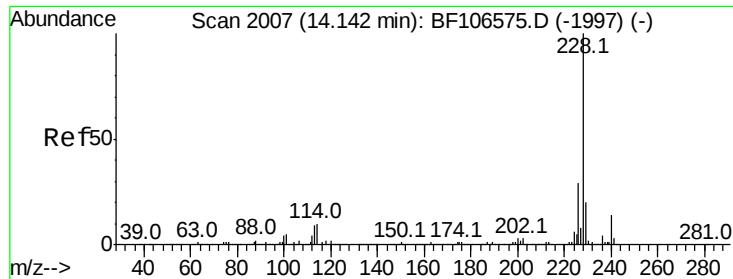
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#78
Terphenyl-d14
Concen: 35.190 ng
RT: 13.06 min Scan# 1823
Delta R.T. -0.02 min
Lab File: BF107274.D
Acq: 10 Jul 2018 15:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	9.8	11.0	16.4





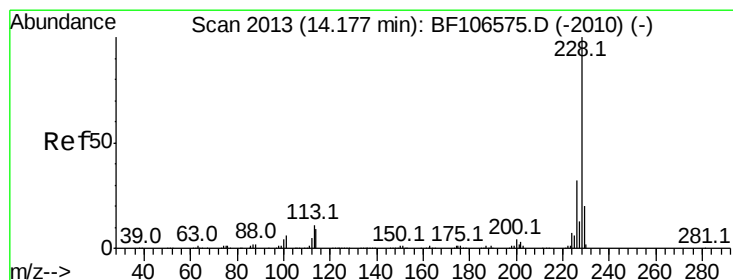
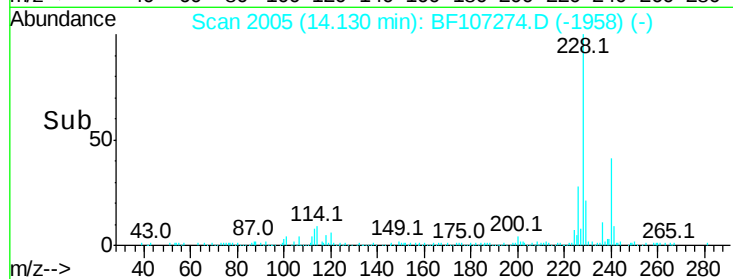
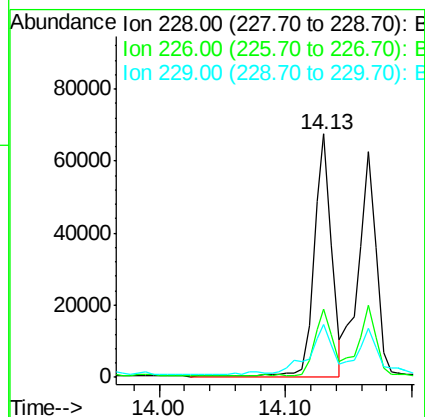
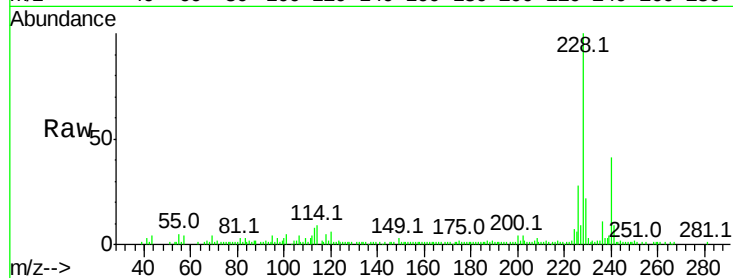
#80
Benzo(a)anthracene
Concen: 9.210 ng m
RT: 14.13 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF107274.D
Acq: 10 Jul 2018 15:55

Instrument :
BNA_F
ClientSampleId :
JC-SOIL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	21.9	15.8	23.6

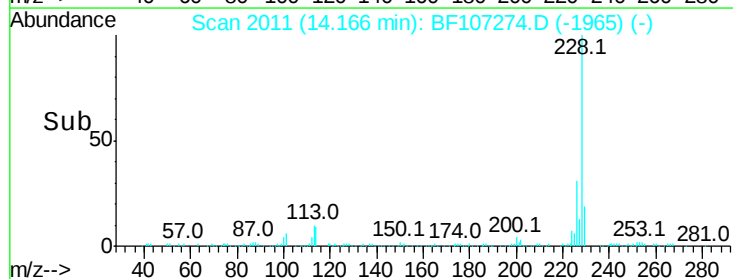
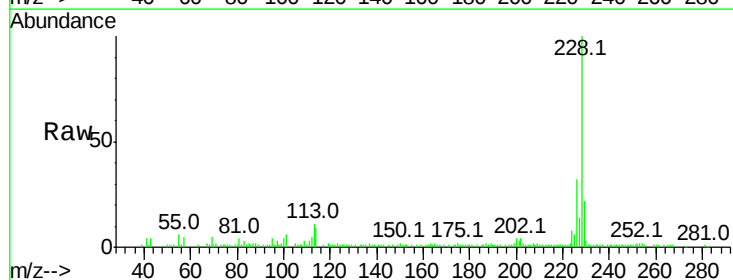
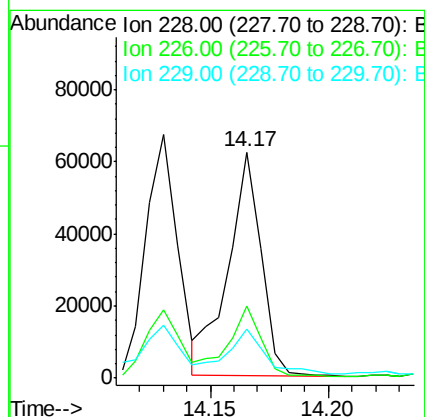
Manual Integrations
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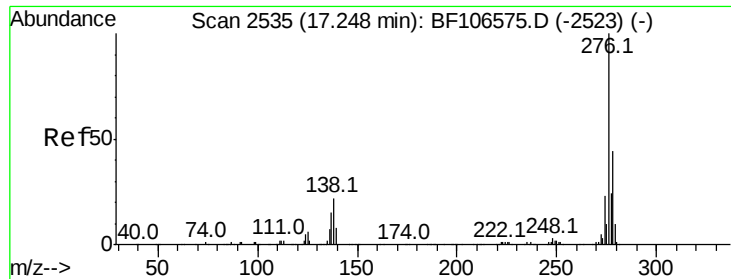
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#82
Chrysene
Concen: 9.114 ng m
RT: 14.17 min Scan# 2011
Delta R.T. -0.03 min
Lab File: BF107274.D
Acq: 10 Jul 2018 15:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	21.9	16.2	24.4





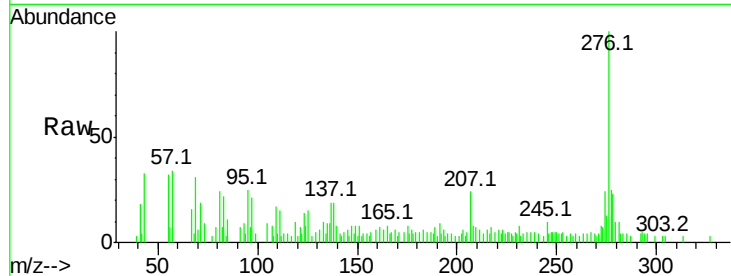
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.507 ng
RT: 17.28 min Scan# 2541
Delta R.T. -0.02 min
Lab File: BF107274.D
Acq: 10 Jul 2018 15:55

Instrument :
BNA_F
ClientSampleId :
JC-SOIL

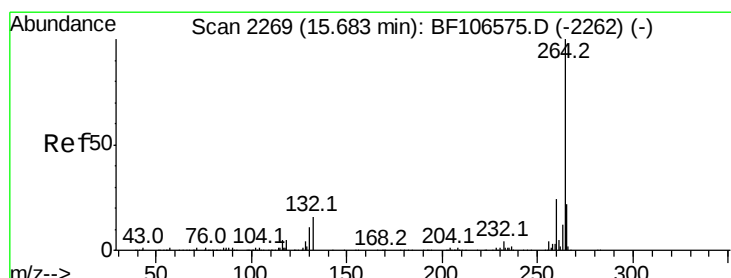
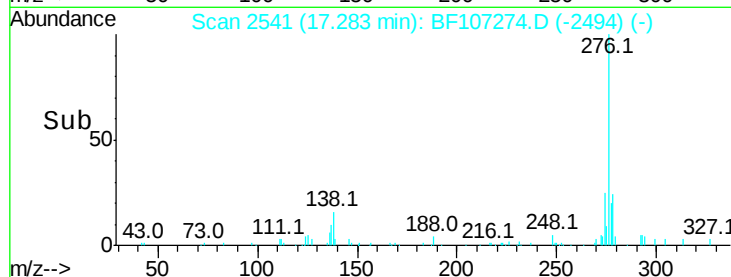
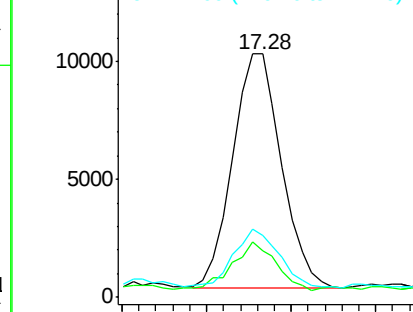
Tot Ion	Ratio	Lower	Upper
276	100		
138	18.2	25.0	37.6#
277	24.4	20.1	30.1

Manual Integrations
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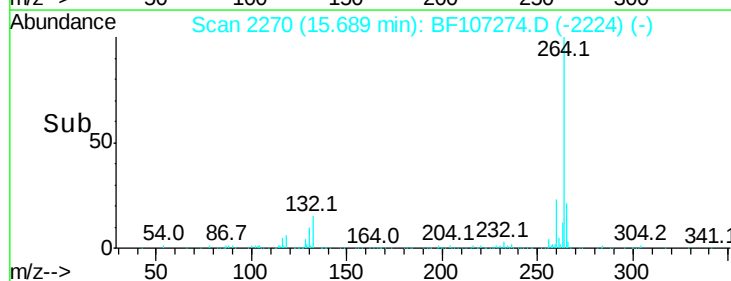
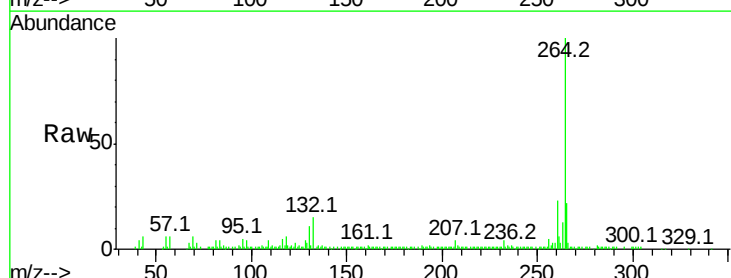
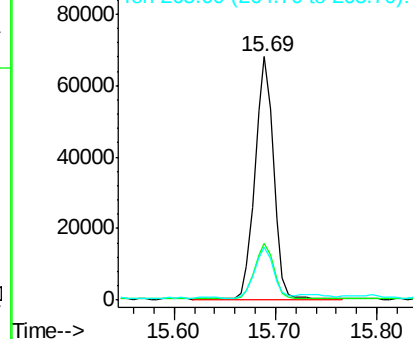
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

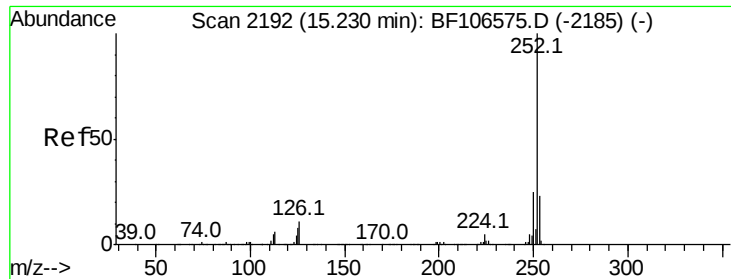


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.03 min
Lab File: BF107274.D
Acq: 10 Jul 2018 15:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.9	17.5	26.3

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





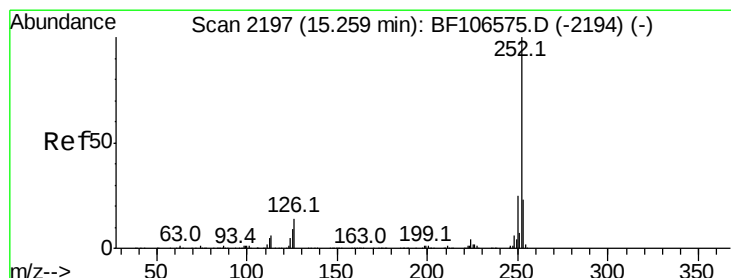
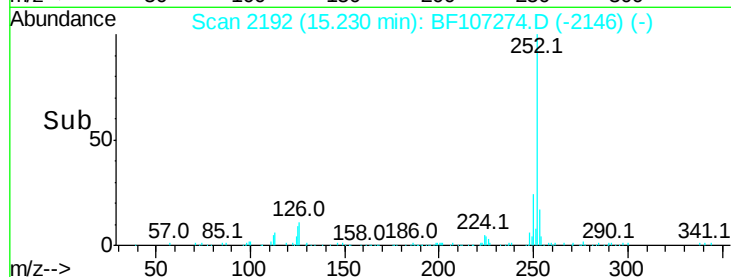
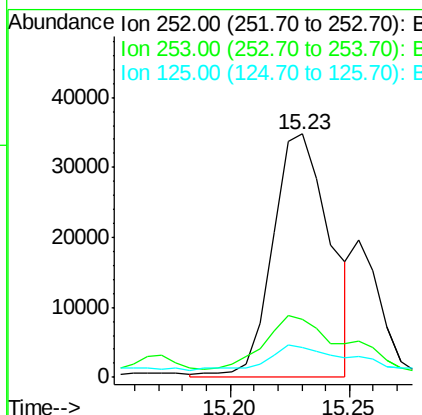
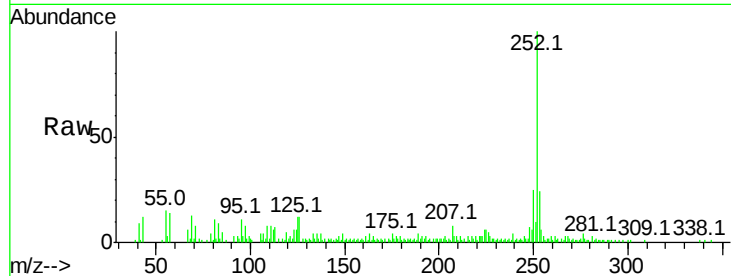
#87
Benzo(b)fluoranthene
Concen: 10.589 ng m
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF107274.D
Acq: 10 Jul 2018 15:55

Instrument :
BNA_F
ClientSampleId :
JC-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	12.1	9.0	13.6

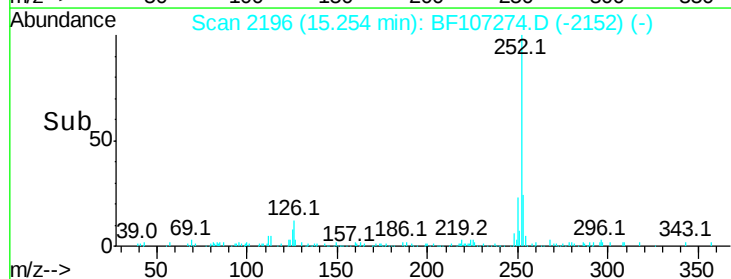
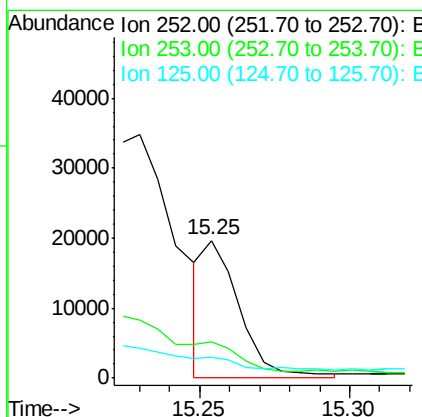
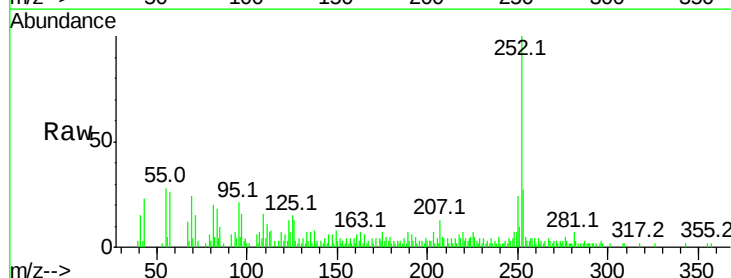
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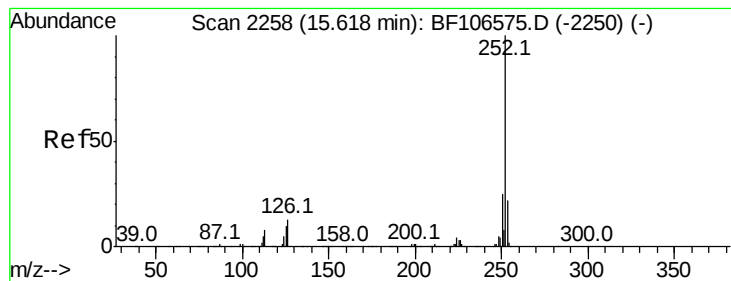
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#88
Benzo(k)fluoranthene
Concen: 3.202 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.04 min
Lab File: BF107274.D
Acq: 10 Jul 2018 15:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.9	26.9
125	14.7	10.2	15.2





#89

Benzo(a)pyrene

Concen: 7.706 ng

RT: 15.62 min Scan# 2259

Delta R.T. -0.03 min

Lab File: BF107274.D

Acq: 10 Jul 2018 15:55

Instrument :

BNA_F

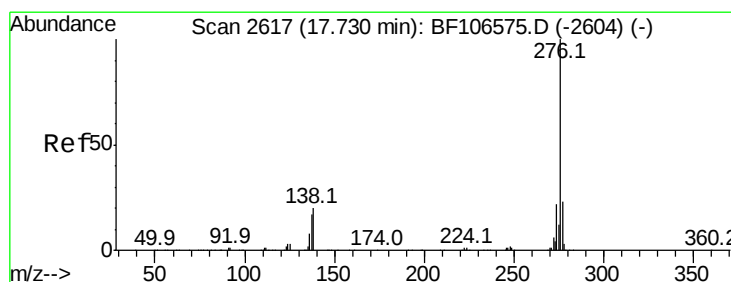
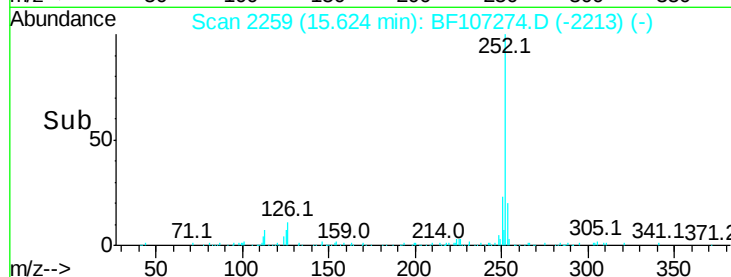
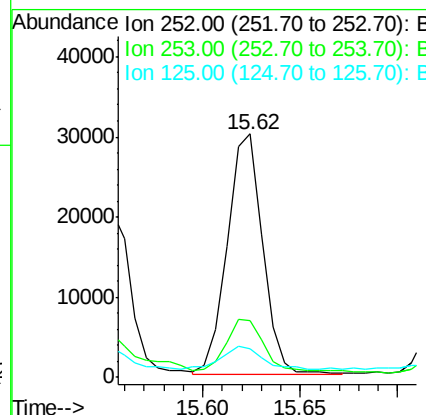
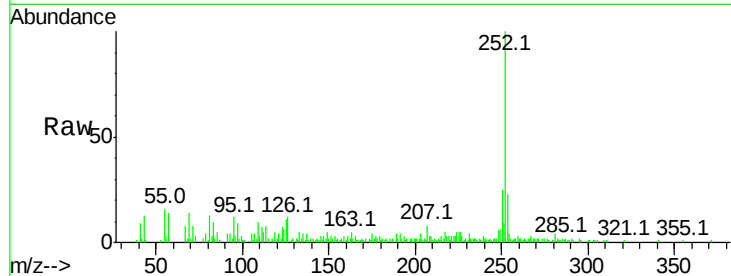
ClientSampled :

JC-SOIL

Tot Ion:	252	Resp:	37551
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.1	25.7
125	11.5	9.8	14.6

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 5.379 ng

RT: 17.77 min Scan# 2624

Delta R.T. -0.02 min

Lab File: BF107274.D

Acq: 10 Jul 2018 15:55

Tgt Ion:	276	Resp:	21712
Ion Ratio	Lower	Upper	
276	100		
277	28.1	17.9	26.9#
138	22.5	21.8	32.8

