

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041619\
 Data File : BF113804.D
 Acq On : 16 Apr 2019 20:20
 Operator : JU/SJ
 Sample : K2413-02 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NCC-TOPSOIL-CR

Manual Integrations
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Sohil
 4/17/2019 3:45:47 PM

Quant Time: Apr 17 04:14:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	65304	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	239312	20.00	ng	-0.01
39) Acenaphthene-d10	9.70	164	104401	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	179407	20.00	ng	-0.01
76) Chrysene-d12	13.83	240	172587	20.00	ng	-0.02
87) Perylene-d12	15.24	264	177185	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	358553	93.63	ng	0.00
7) Phenol-d6	6.33	99	483066	102.34	ng	0.00
23) Nitrobenzene-d5	7.24	82	264961	64.85	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	97753	77.95	ng	-0.01
45) 2-Fluorobiphenyl	9.03	172	528159	81.44	ng	-0.02
79) Terphenyl-d14	12.76	244	460382	54.31	ng	-0.03
Target Compounds						
50) Dimethylphthalate	9.43	163	71660	9.312	ng	99
75) Fluoranthene	12.40	202	57996	6.071	ng	96
78) Pyrene	12.63	202	58976	4.491	ng	96
81) Benzo(a)anthracene	13.82	228	43240m	4.343	ng	
83) Chrysene	13.85	228	44608	4.420	ng	98
86) Indeno(1,2,3-cd)pyrene	16.62	276	32444	3.482	ng	96
88) Benzo(b)fluoranthene	14.84	252	82659m	7.621	ng	
89) Benzo(k)fluoranthene	14.87	252	24505m	2.517	ng	
90) Benzo(a)pyrene	15.19	252	51580	5.352	ng	# 93
92) Benzo(g,h,i)perylene	17.04	276	29724	3.231	ng	# 89

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

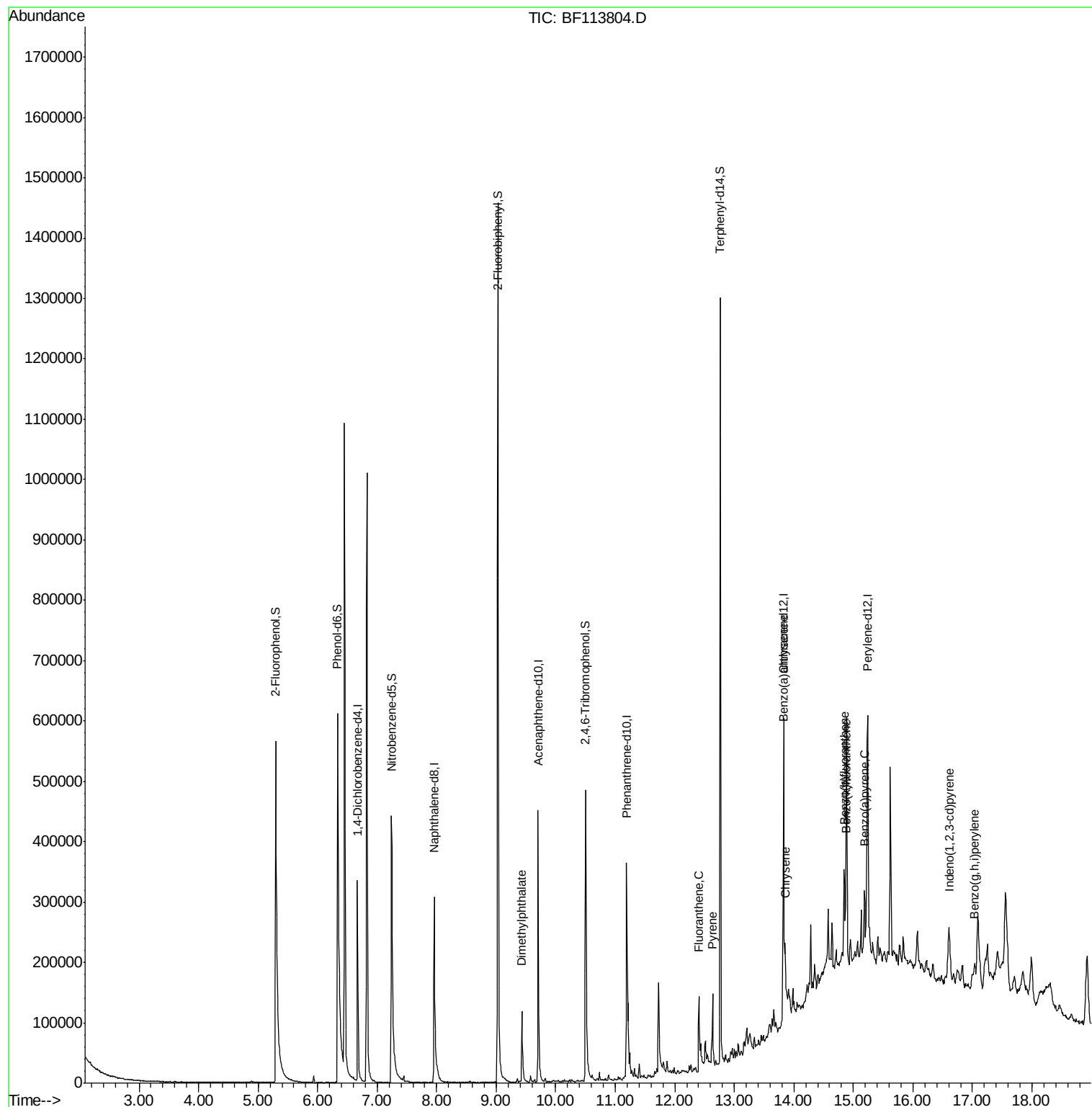
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041619\
Data File : BF113804.D
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Operator : JU/SJ
Sample : K2413-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

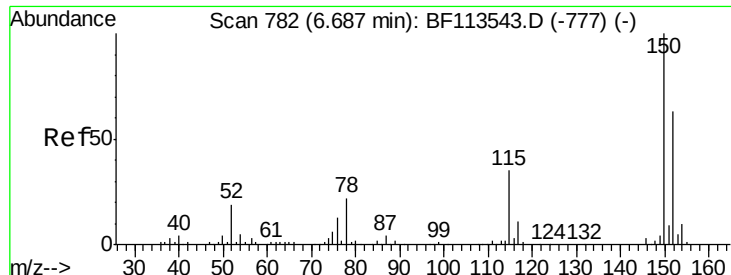
Instrument :
BNA_F
ClientSampleId :
NCC-TOPSOIL-CR

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Quant Time: Apr 17 04:14:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

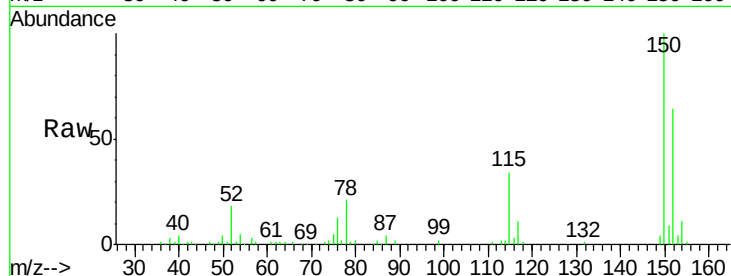
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF113804.D
Acq: 16 Apr 2019 20:20

Instrument :
BNA_F
ClientSampleId :
NCC-TOPSOIL-CR

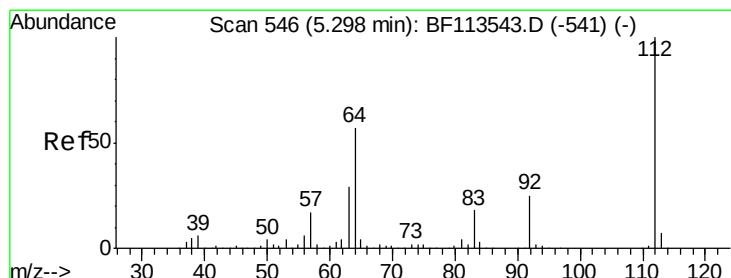
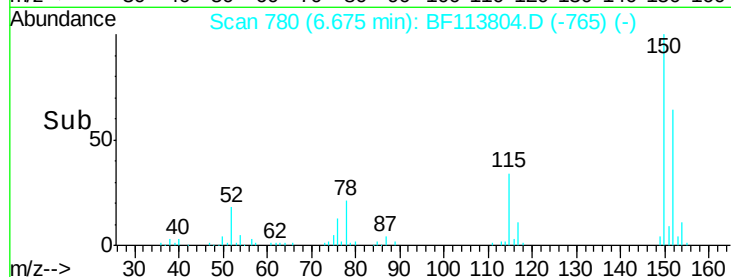
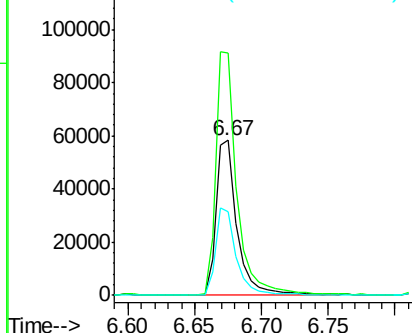
Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.7	187.1
115	54.0	46.0	69.0

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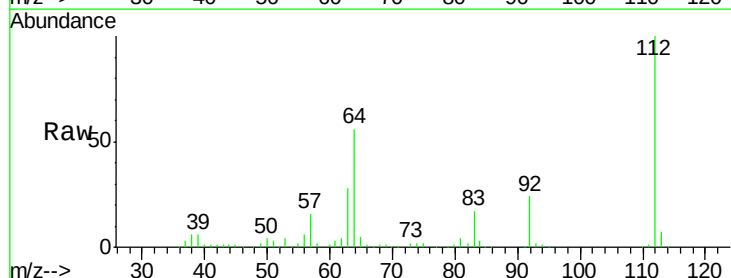
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



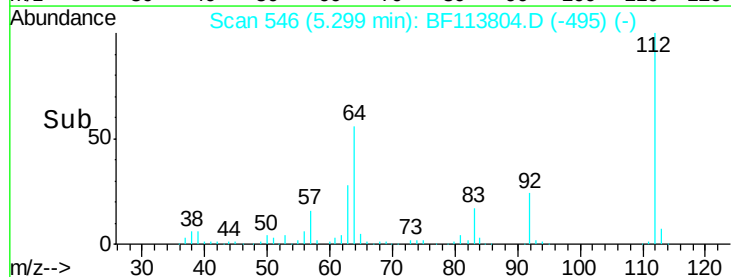
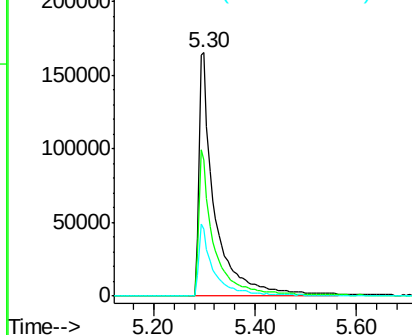
#5

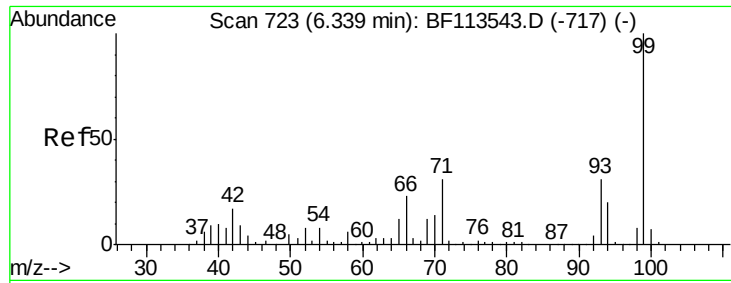
2-Fluorophenol
Concen: 93.626 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF113804.D
Acq: 16 Apr 2019 20:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	49.2	73.8
63	27.7	24.9	37.3



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: 102.344 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113804.D

Acq: 16 Apr 2019 20:20

Instrument :

BNA_F

ClientSampleId :

NCC-TOPSOIL-CR

Tgt Ion: 99 Resp: 483066

Ion Ratio Lower Upper

99 100

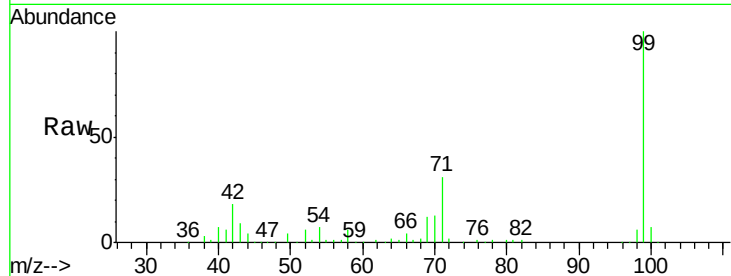
42 18.0 14.8 22.2

71 31.2 24.9 37.3

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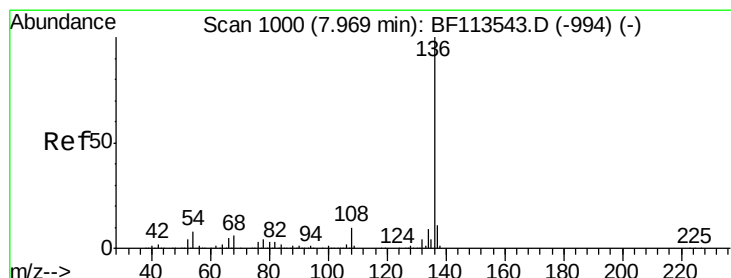
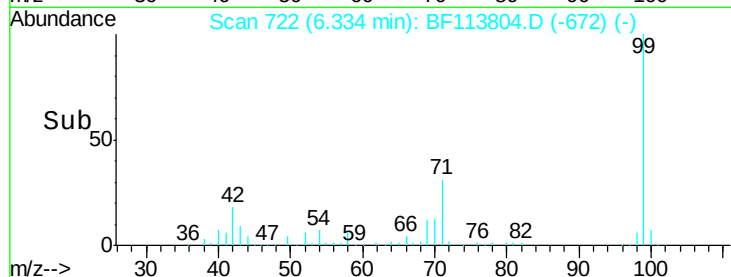
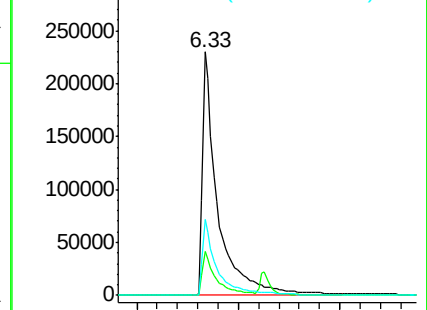
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 998

Delta R.T. -0.01 min

Lab File: BF113804.D

Acq: 16 Apr 2019 20:20

Tgt Ion: 136 Resp: 239312

Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.4 7.0 10.6

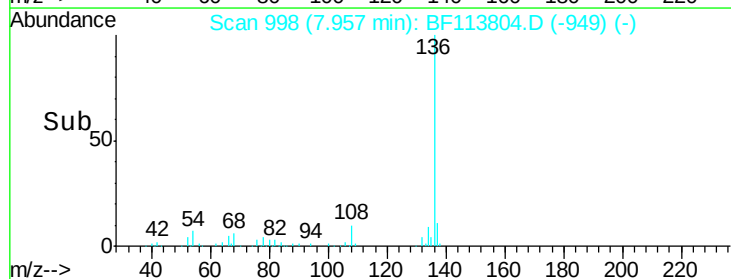
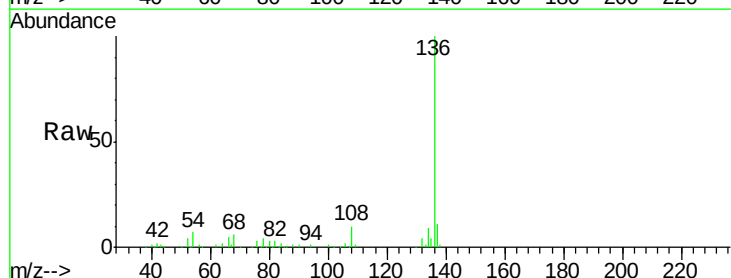
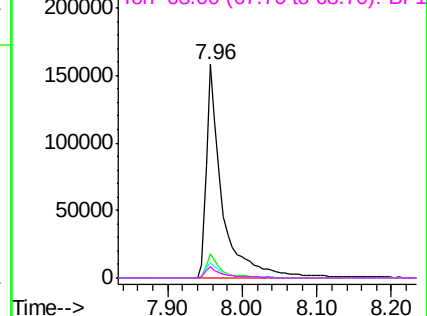
68 5.5 4.8 7.2

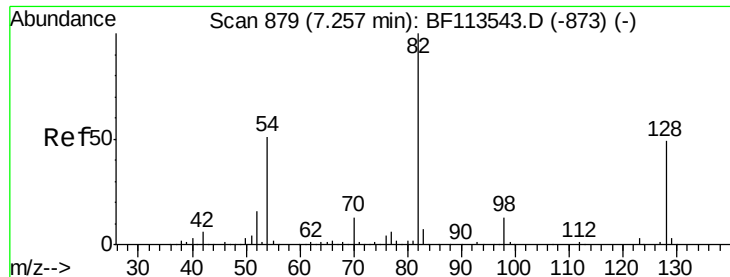
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





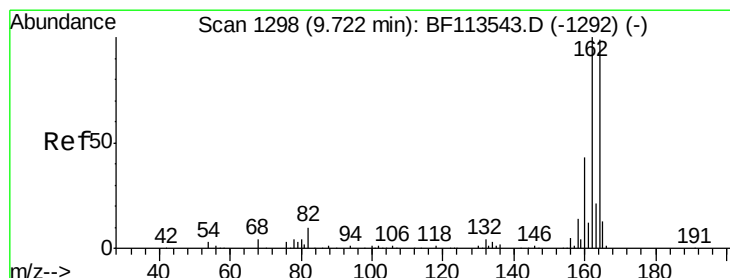
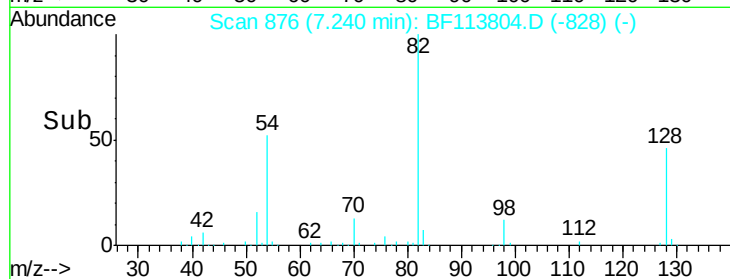
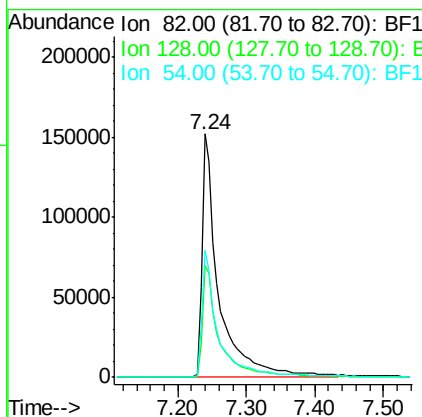
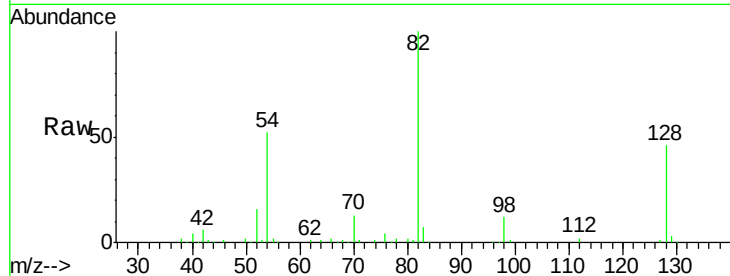
#23
Nitrobenzene-d5
Concen: 64.853 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.02 min
Lab File: BF113804.D
Acq: 16 Apr 2019 20:20

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.5	54.7
54	52.0	42.2	63.2

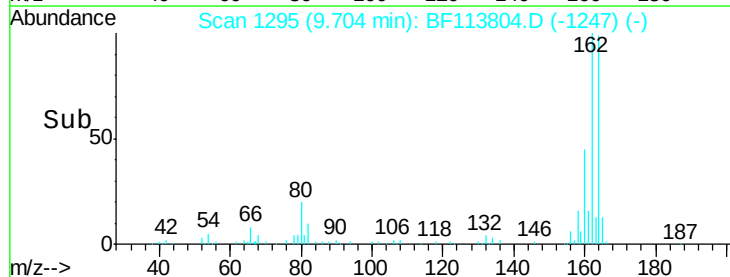
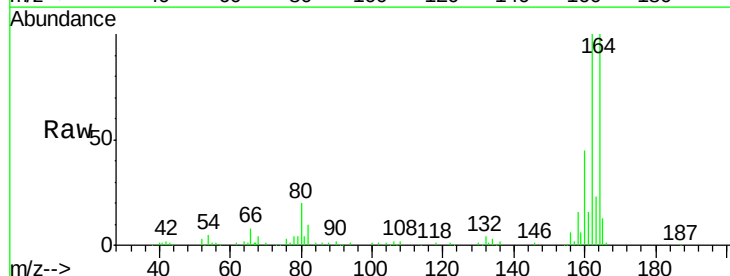
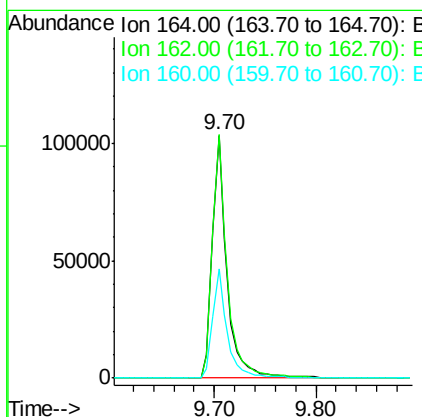
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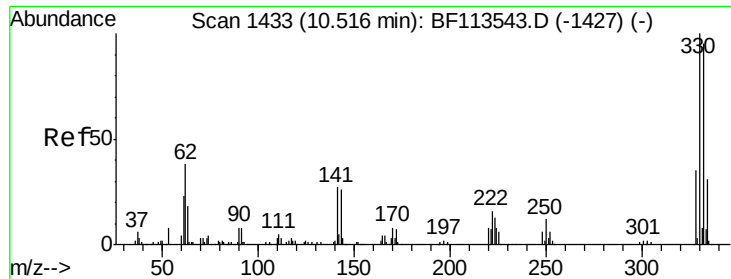
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BF113804.D
Acq: 16 Apr 2019 20:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.8	122.6
160	45.0	36.4	54.6





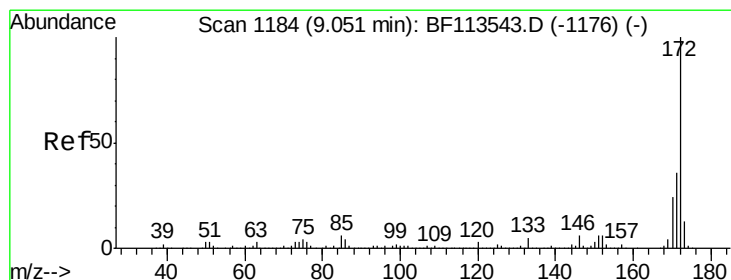
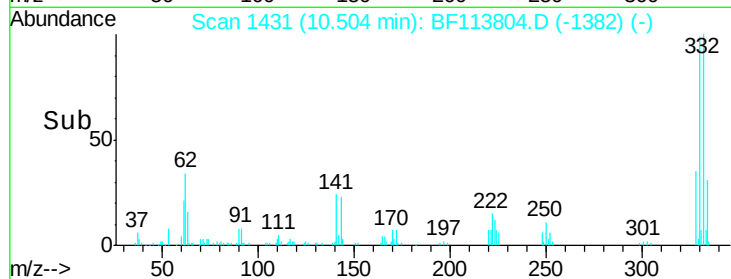
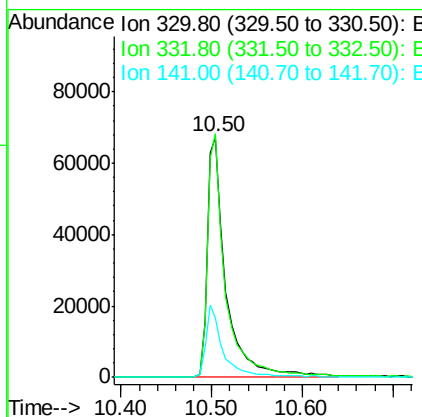
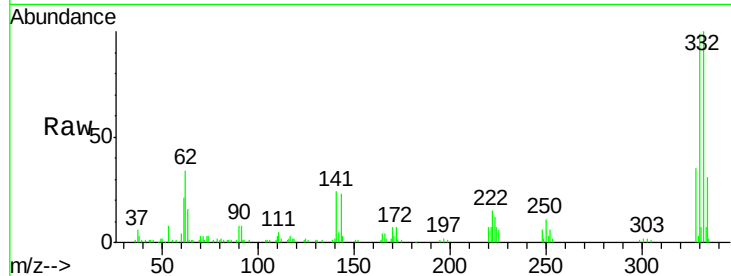
#42
 2,4,6-Tribromophenol
 Concen: 77.946 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF113804.D
 Acq: 16 Apr 2019 20:20

Instrument :
 BNA_F
 ClientSampleId :
 NCC-TOPSOIL-CR

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	97753		
332	99.1	77.8	116.6	
141	27.3	22.7	34.1	

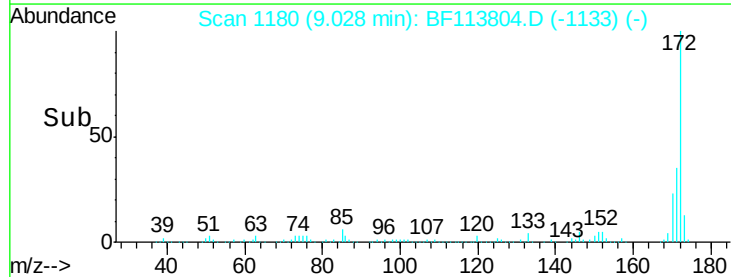
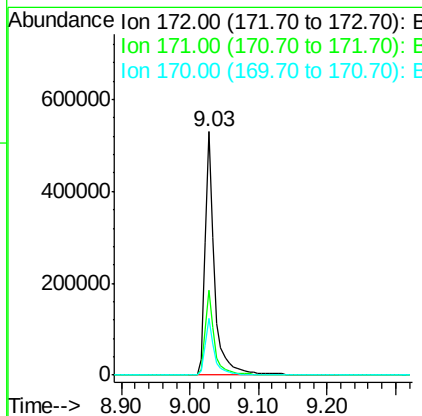
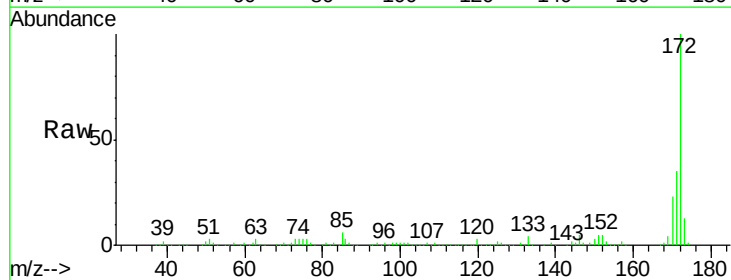
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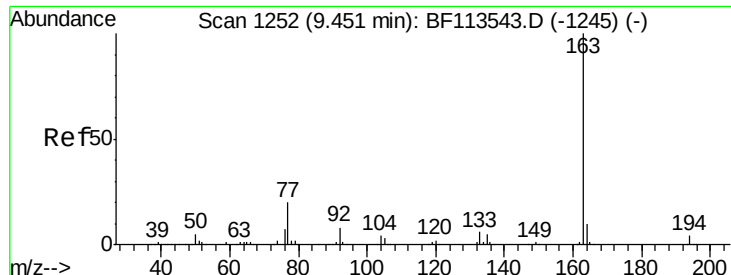
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#45
 2-Fluorobiphenyl
 Concen: 81.444 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.02 min
 Lab File: BF113804.D
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Tgt Ion	Ratio	Resp	Lower	Upper
172	100	528159		
171	34.7	29.0	43.6	
170	23.2	19.5	29.3	





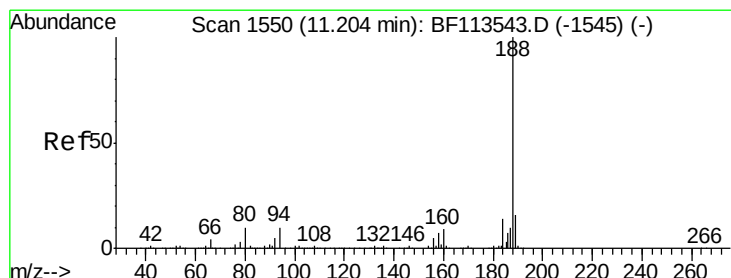
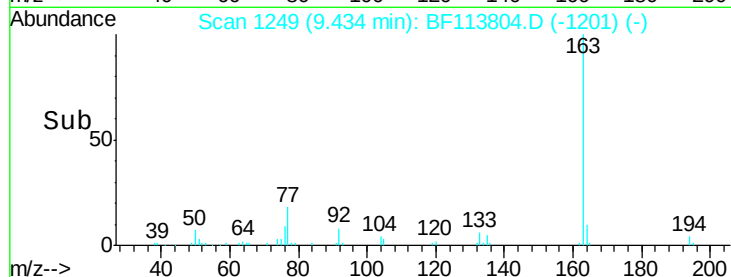
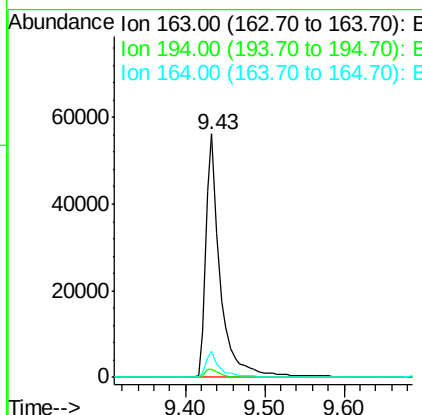
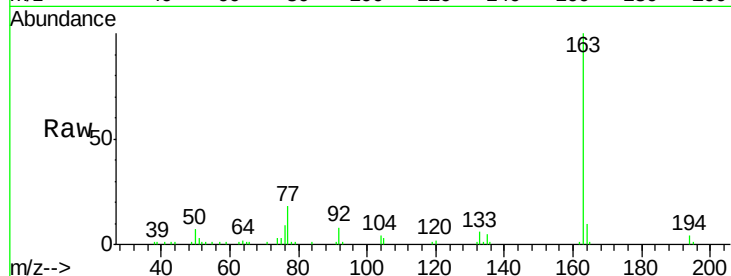
#50
Dimethylphthalate
Concen: 9.312 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.02 min
Lab File: BF113804.D
Acq: 16 Apr 2019 20:20

Instrument :
BNA_F
ClientSampleId :
NCC-TOPSOIL-CR

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	71660		
194	3.6		3.0	4.6
164	10.5		8.1	12.1

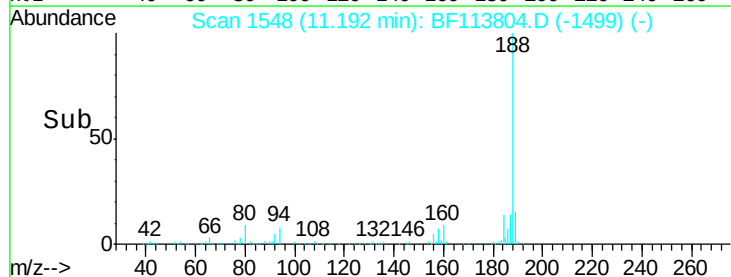
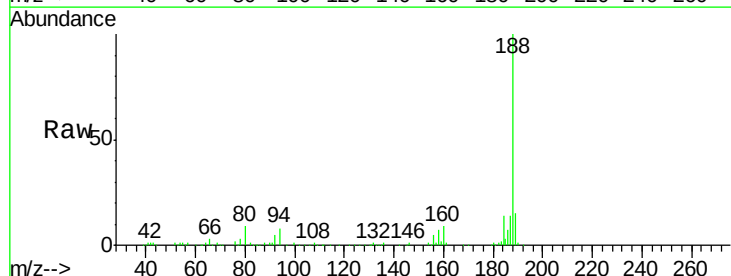
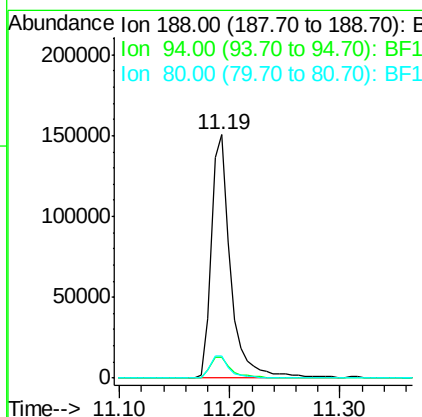
Manual Integrations
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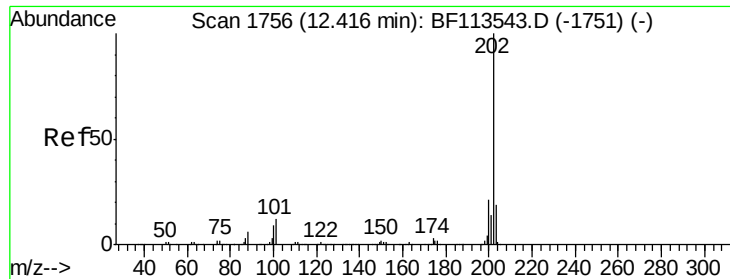
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF113804.D
Acq: 16 Apr 2019 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	179407		
94	8.4		7.0	10.6
80	9.0		7.7	11.5





#75

Fluoranthene

Concen: 6.071 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113804.D

Acq: 16 Apr 2019 20:20

Instrument :

BNA_F

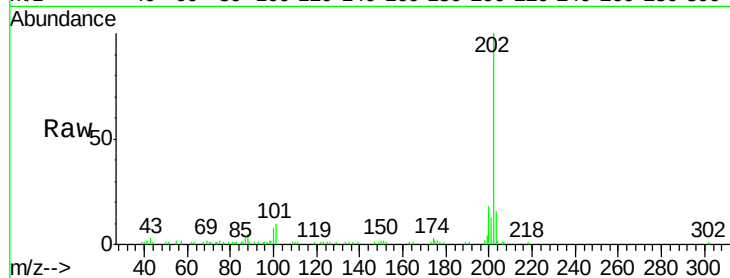
ClientSampleId :

NCC-TOPSOIL-CR

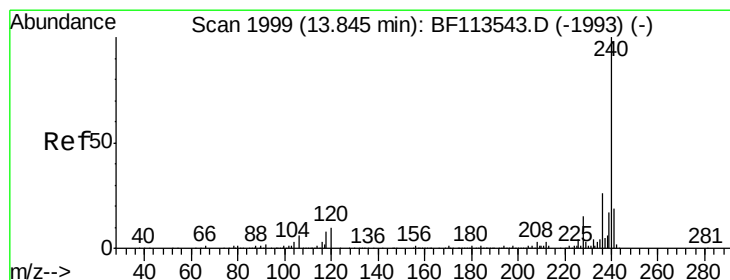
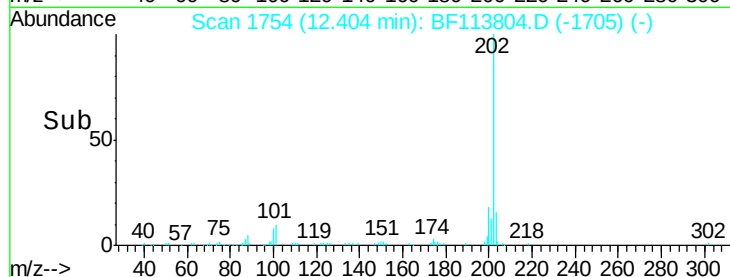
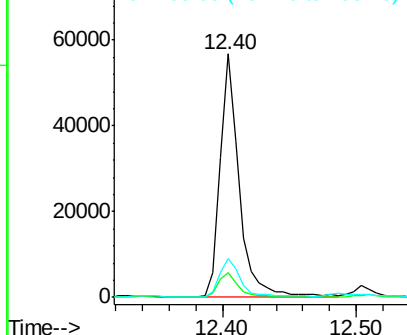
Tgt Ion:	202	Resp:	57996
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	31.4
203	16.1	0.0	38.0

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

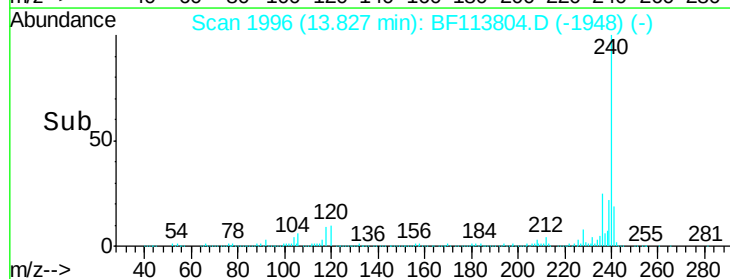
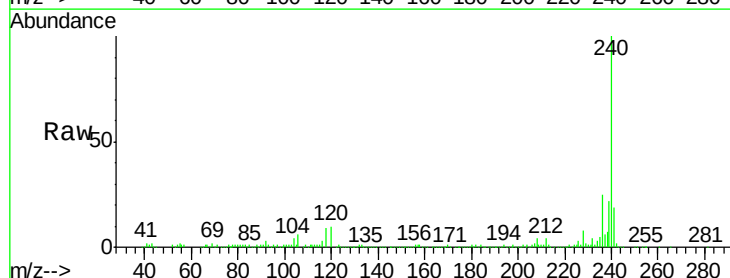
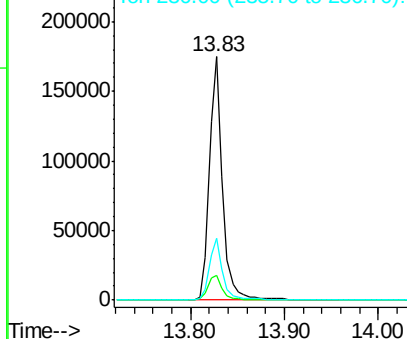
Delta R.T. -0.02 min

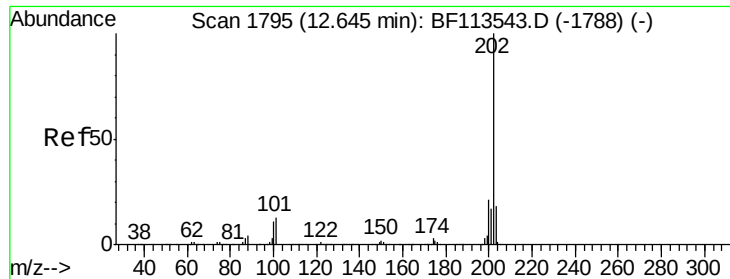
Lab File: BF113804.D

Acq: 16 Apr 2019 20:20

Tgt Ion:	240	Resp:	172587
Ion Ratio	Lower	Upper	
240	100		
120	10.2	8.8	13.2
236	25.4	20.9	31.3

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





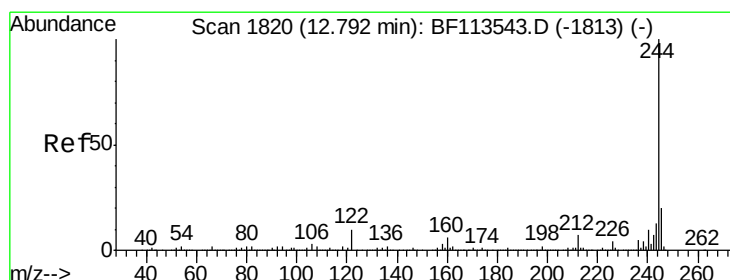
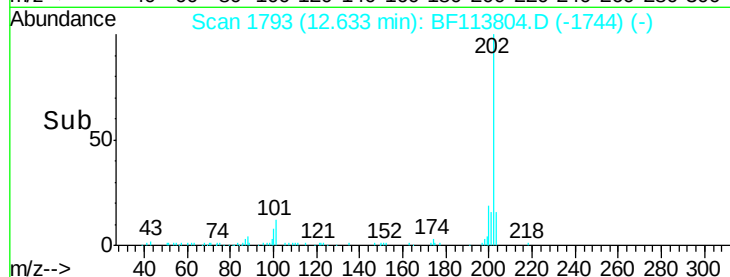
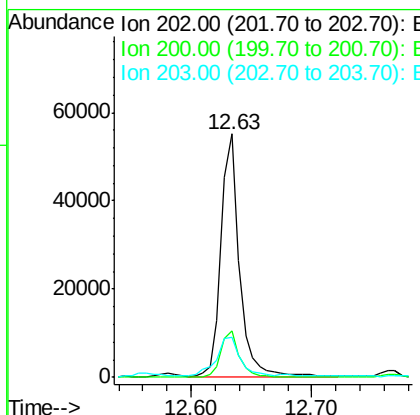
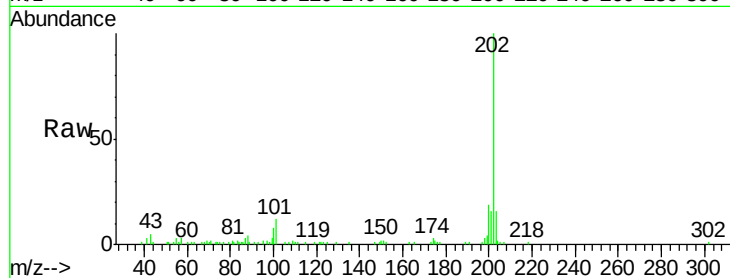
#78
 Pyrene
 Concen: 4.491 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. -0.01 min
 Lab File: BF113804.D
 Acq: 16 Apr 2019 20:20

Instrument :
 BNA_F
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Tgt Ion	Ratio	Resp	Lower	Upper
202	100	58976		
200	18.9		16.8	25.2
203	16.5		14.4	21.6

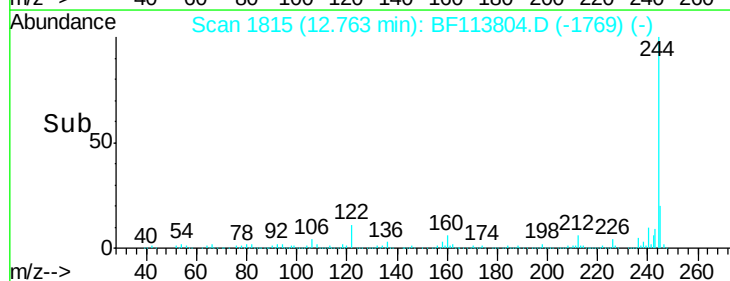
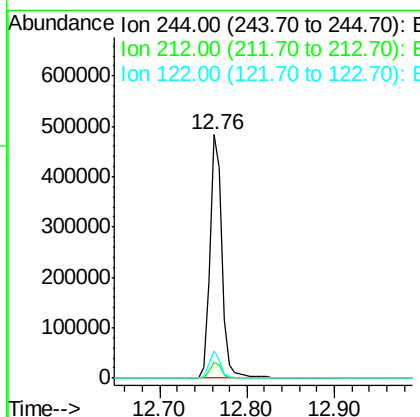
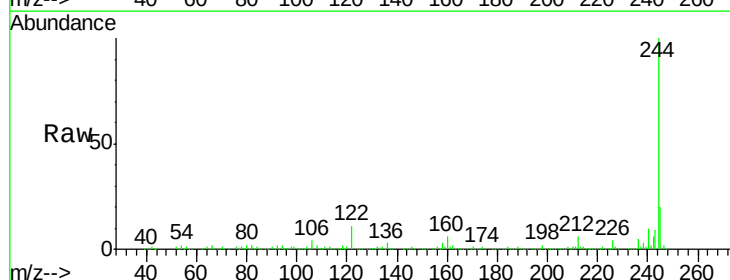
Manual Integrations
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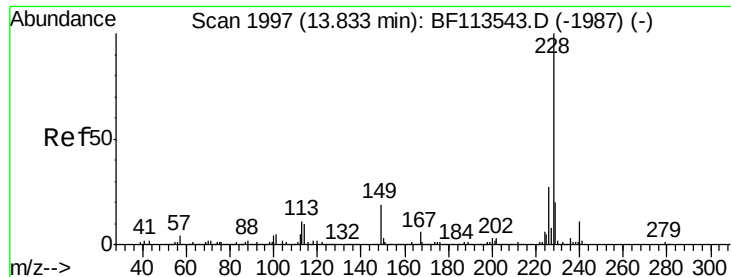
Sohil
 4/17/2019 3:45:47 PM



#79
 Terphenyl-d14
 Concen: 54.311 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. -0.03 min
 Lab File: BF113804.D
 Acq: 16 Apr 2019 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	460382		
212	6.4		5.5	8.3
122	11.2		8.6	13.0





#81

Benzo(a)anthracene

Concen: 4.343 ng m

RT: 13.82 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BF113804.D

Acq: 16 Apr 2019 20:20

Instrument :

BNA_F

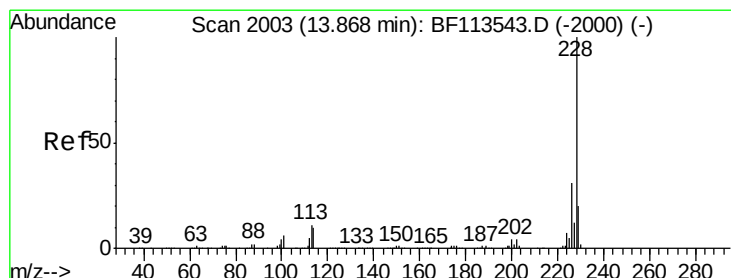
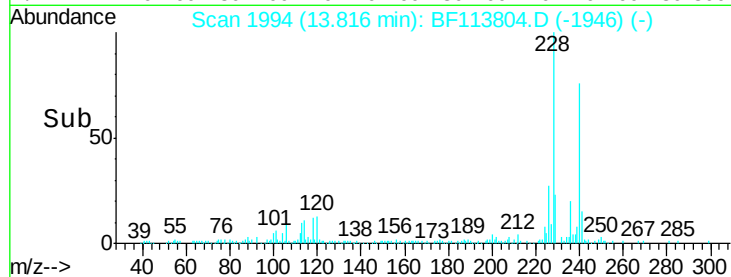
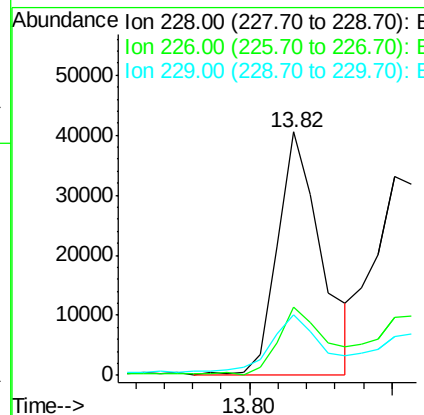
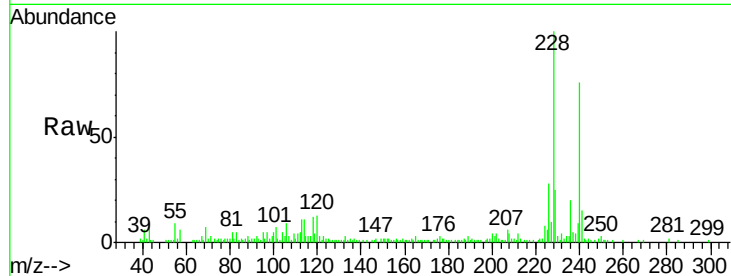
ClientSampleId :

NCC-TOPSOIL-CR

Tgt Ion:	228	Resp:	43240
Ion Ratio	Lower	Upper	
228	100		
226	28.1	21.8	32.8
229	24.8	16.2	24.4

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#83

Chrysene

Concen: 4.420 ng

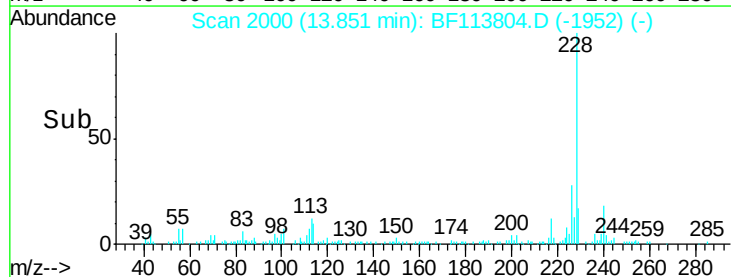
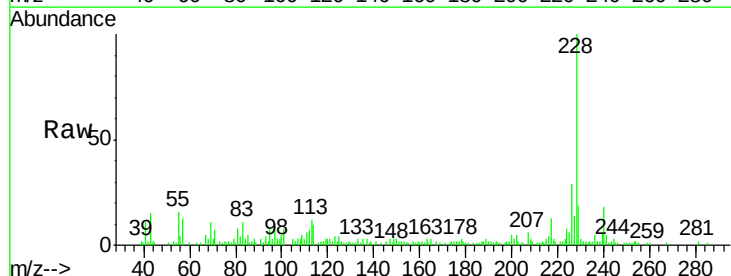
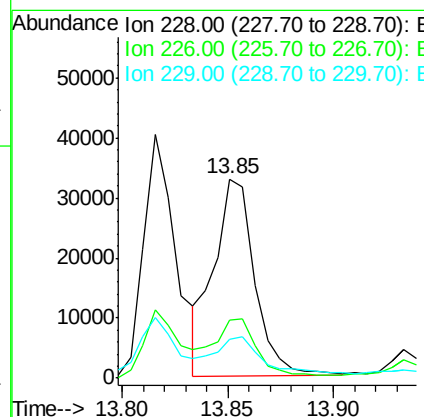
RT: 13.85 min Scan# 2000

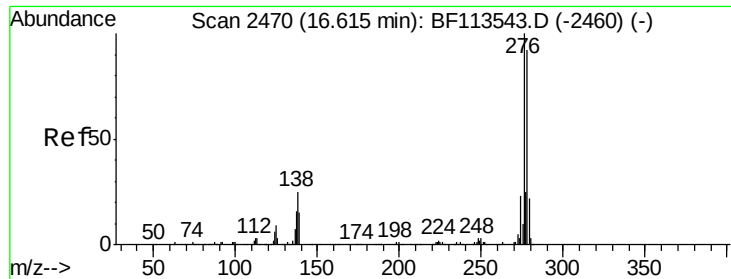
Delta R.T. -0.02 min

Lab File: BF113804.D

Acq: 16 Apr 2019 20:20

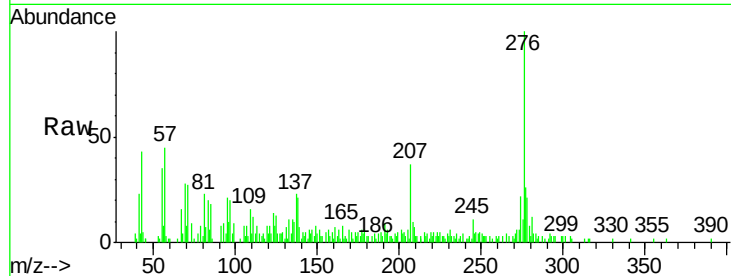
Tgt Ion:	228	Resp:	44608
Ion Ratio	Lower	Upper	
228	100		
226	29.5	24.3	36.5
229	19.4	16.3	24.5





#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.482 ng
 RT: 16.62 min Scan# 2471
 Delta R.T. 0.01 min
 Lab File: BF113804.D
 Acq: 16 Apr 2019 20:20

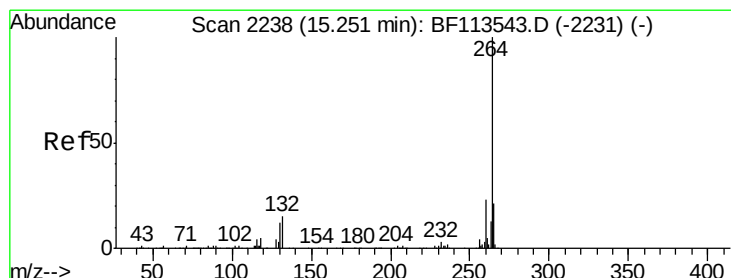
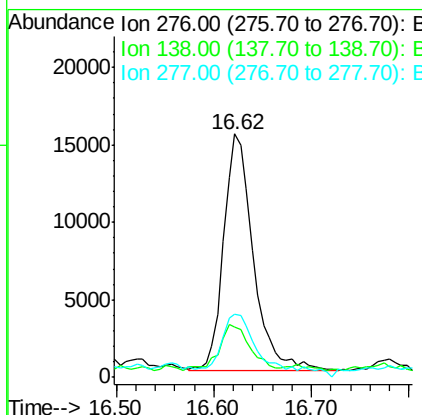
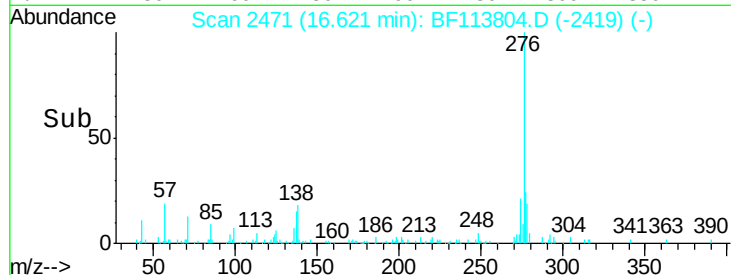
Instrument :
 BNA_F
 ClientSampleId :
 NCC-TOPSOIL-CR



Tgt Ion: 276 Resp: 32444
 Ion Ratio Lower Upper
 276 100
 138 20.8 18.1 27.1
 277 23.4 20.2 30.4

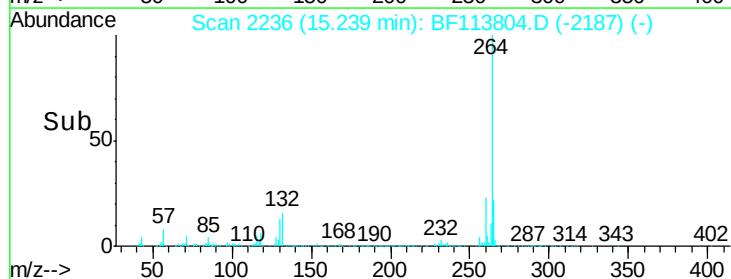
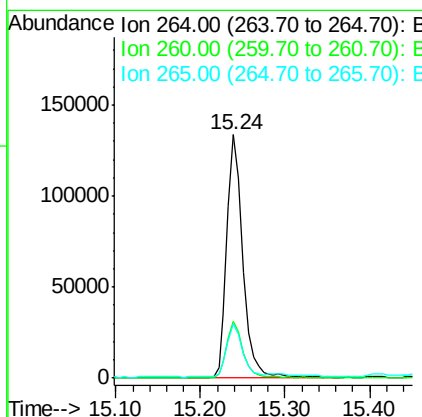
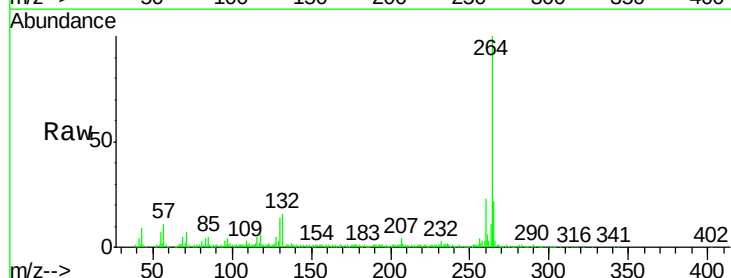
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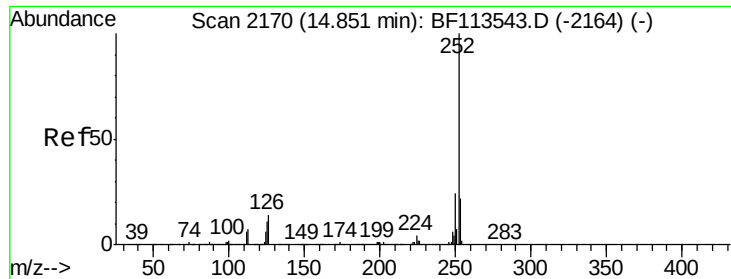
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. -0.01 min
 Lab File: BF113804.D
 Acq: 16 Apr 2019 20:20

Tgt Ion: 264 Resp: 177185
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.1 28.7
 265 22.1 17.1 25.7





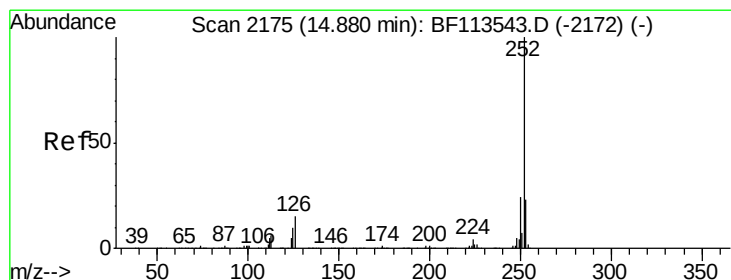
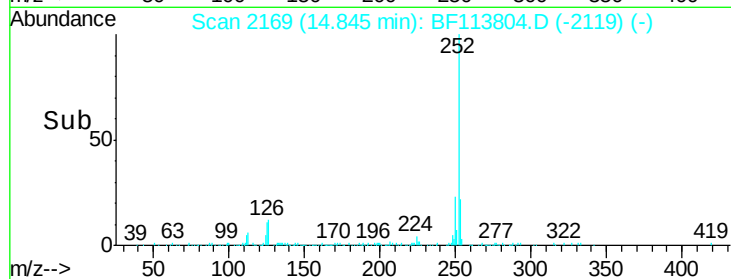
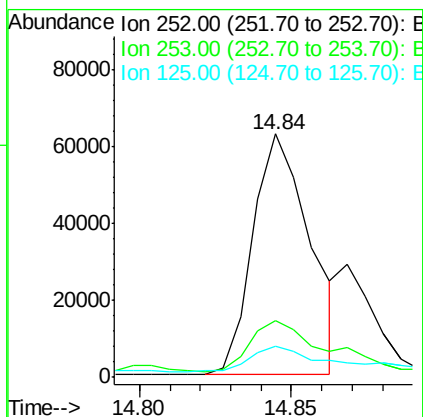
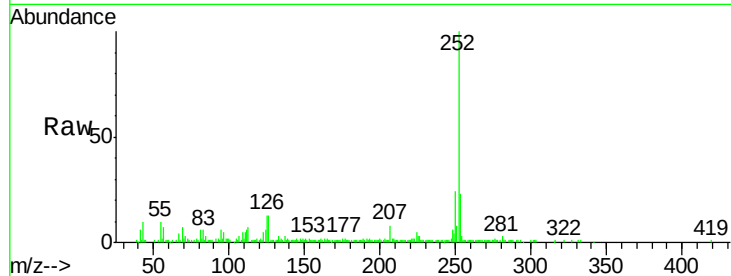
#88
Benzo(b)fluoranthene
Concen: 7.621 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113804.D
Acq: 16 Apr 2019 20:20

Instrument :
BNA_F
ClientSampleId :
NCC-TOPSOIL-CR

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	12.9	7.6	11.4

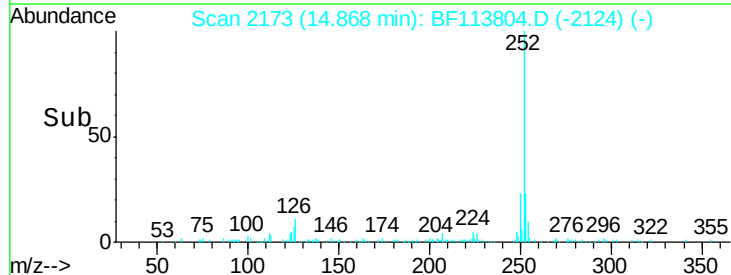
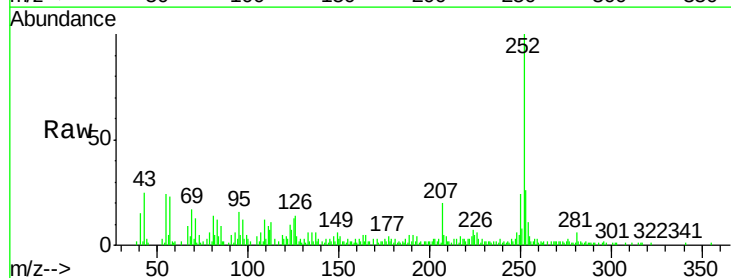
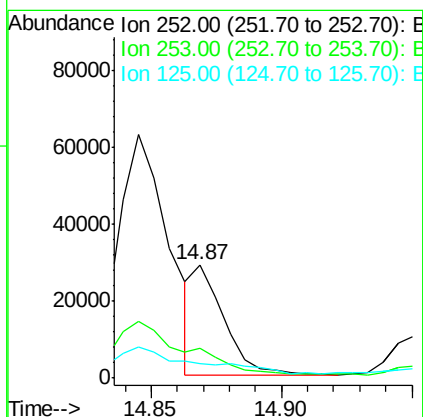
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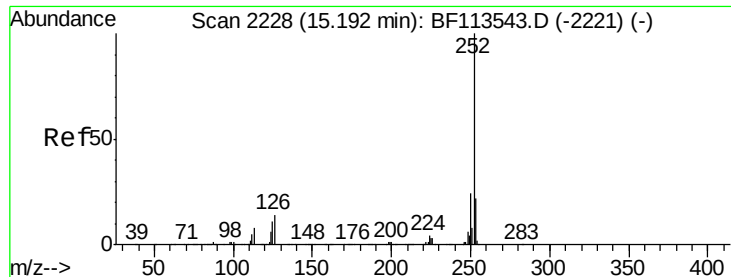
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#89
Benzo(k)fluoranthene
Concen: 2.517 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113804.D
Acq: 16 Apr 2019 20:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.7	26.5
125	13.3	7.3	10.9





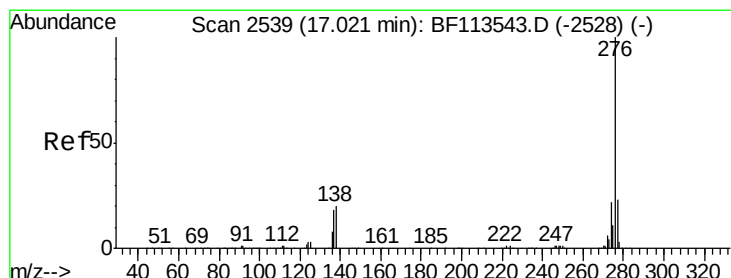
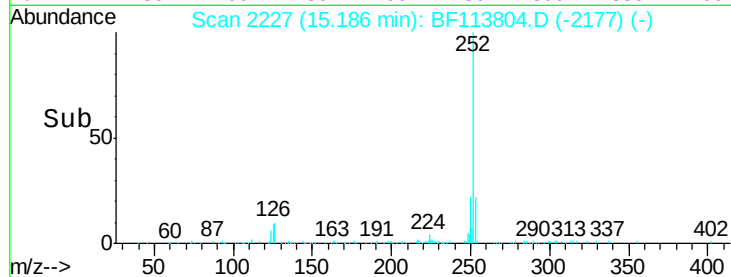
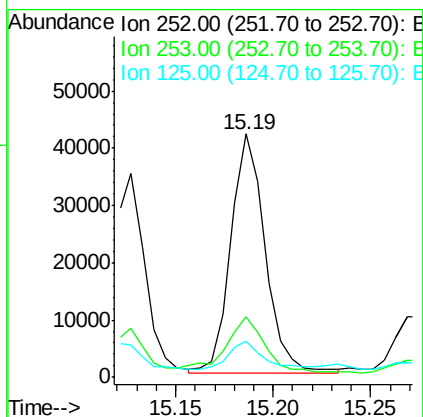
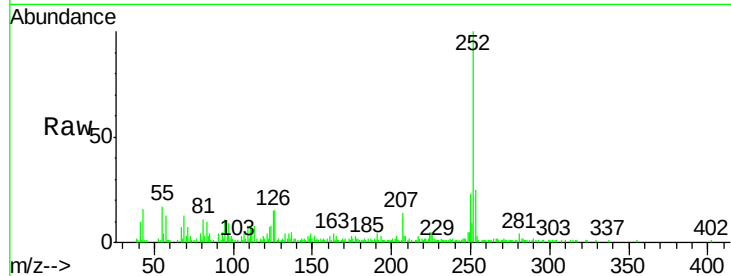
#90
Benzo(a)pyrene
Concen: 5.352 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF113804.D
Acq: 16 Apr 2019 20:20

Instrument :
BNA_F
ClientSampleId :
NCC-TOPSOIL-CR

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	15.1	8.8	13.2

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 3.231 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.02 min
Lab File: BF113804.D
Acq: 16 Apr 2019 20:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.8	28.2
138	27.2	15.6	23.4

