

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
 Data File : BF113855.D
 Acq On : 19 Apr 2019 13:45
 Operator : JU/SJ
 Sample : K2413-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NCC-TOPSOIL-KY

Manual Integrations
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Quant Time: Apr 20 00:02:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	200546	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	685052	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	298526	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	517660	20.00	ng	0.00
76) Chrysene-d12	14.05	240	559340	20.00	ng	0.00
87) Perylene-d12	15.52	264	563166	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	839814	69.63	ng	0.00
7) Phenol-d6	6.52	99	1044817	69.47	ng	0.00
23) Nitrobenzene-d5	7.45	82	616091	54.77	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	238383	72.28	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1097695	56.08	ng	0.00
79) Terphenyl-d14	13.00	244	1165322	43.69	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.64	163	156686	7.500	ng	99
75) Fluoranthene	12.62	202	161418	5.777	ng	98
78) Pyrene	12.85	202	164641	4.177	ng	96
81) Benzo(a)anthracene	14.04	228	131489	4.022	ng	94
83) Chrysene	14.07	228	133006	4.098	ng	97
86) Indeno(1,2,3-cd)pyrene	16.99	276	83787	3.163	ng	95
88) Benzo(b)fluoranthene	15.09	252	239902m	6.833	ng	
90) Benzo(a)pyrene	15.46	252	141167	4.547	ng	95
92) Benzo(g,h,i)perylene	17.44	276	74595	2.657	ng	99

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

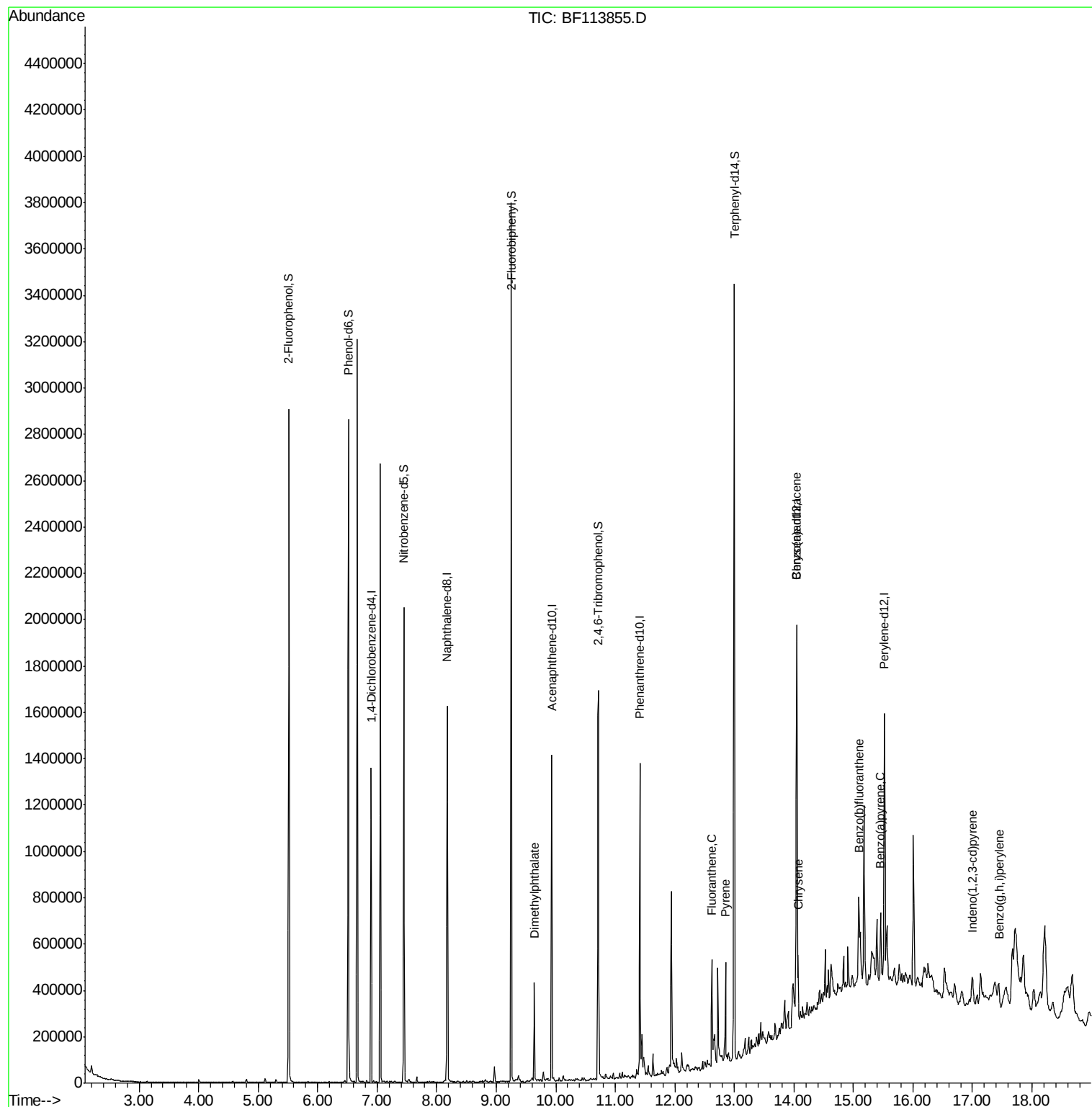
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
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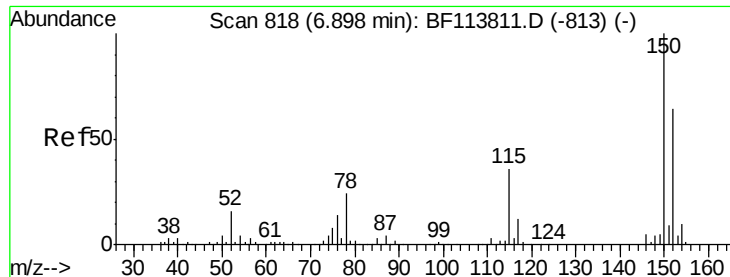
Instrument :
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ClientSampleID :
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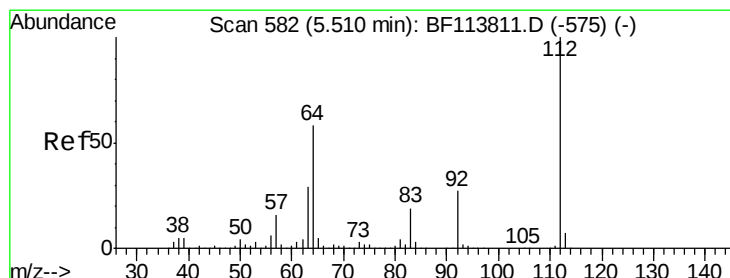
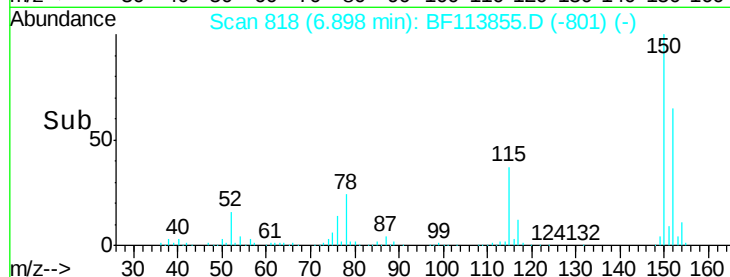
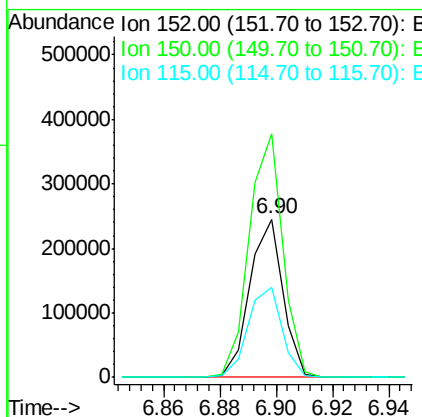
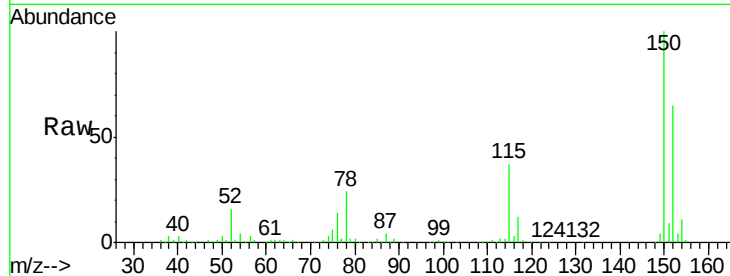
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF113855.D
 Acq: 19 Apr 2019 13:45

Instrument :
 BNA_F
 ClientSampleId :
 NCC-TOPSOIL-KY

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.9	125.9	188.9
115	56.7	45.9	68.9

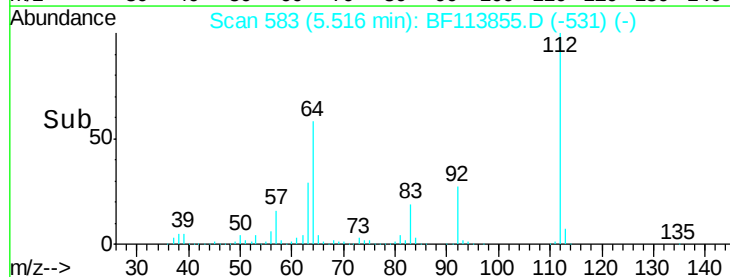
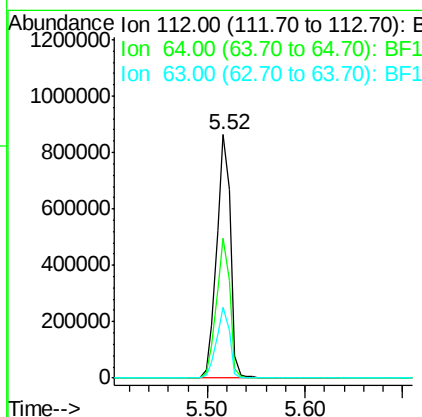
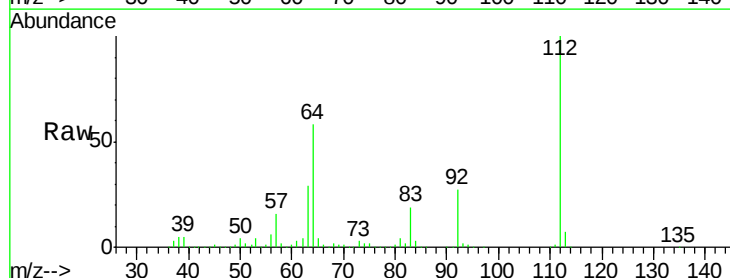
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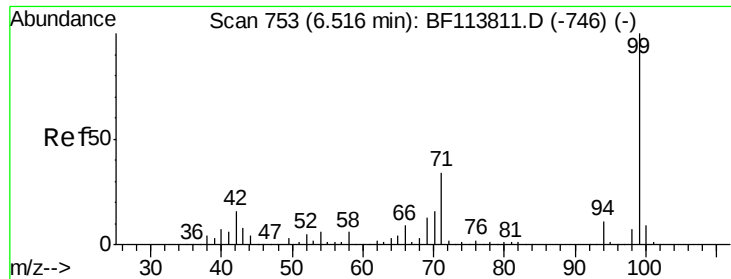
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#5
 2-Fluorophenol
 Concen: 69.631 ng
 RT: 5.52 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: BF113855.D
 Acq: 19 Apr 2019 13:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	46.6	69.8
63	29.2	23.1	34.7





#7

Phenol-d6

Concen: 69.465 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF113855.D

Acq: 19 Apr 2019 13:45

Instrument :

BNA_F

ClientSampleId :

NCC-TOPSOIL-KY

Tgt Ion: 99 Resp: 1044817

Ion Ratio Lower Upper

99 100

42 15.8 12.5 18.7

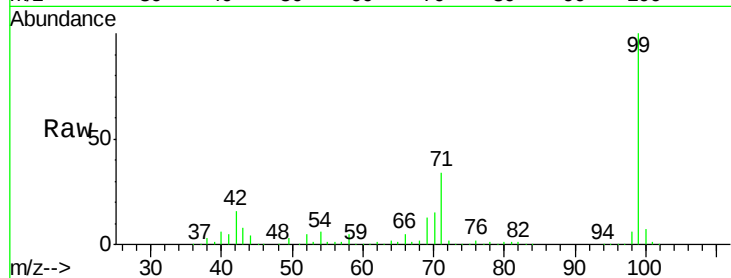
71 34.1 26.9 40.3

Manual Integrations

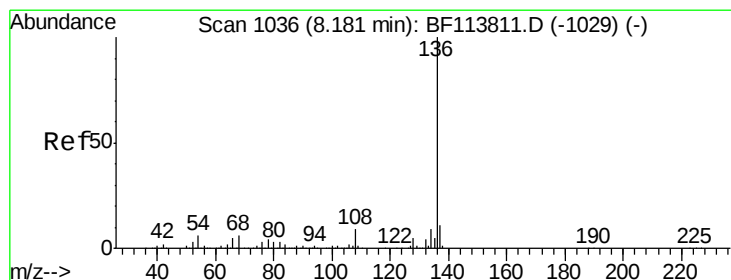
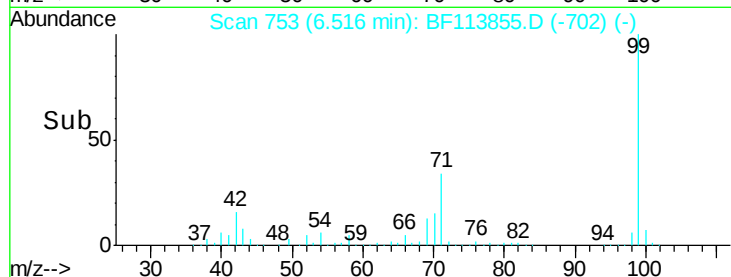
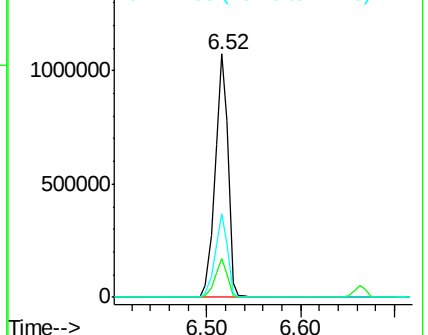
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113855.D

Acq: 19 Apr 2019 13:45

Tgt Ion: 136 Resp: 685052

Ion Ratio Lower Upper

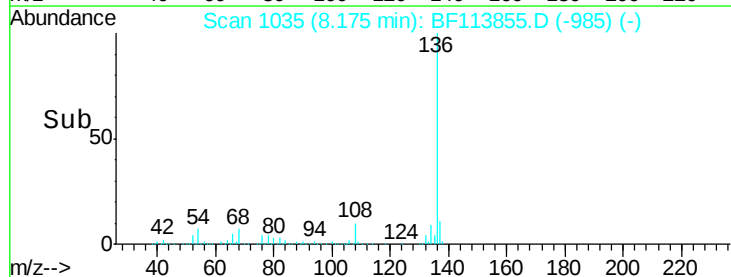
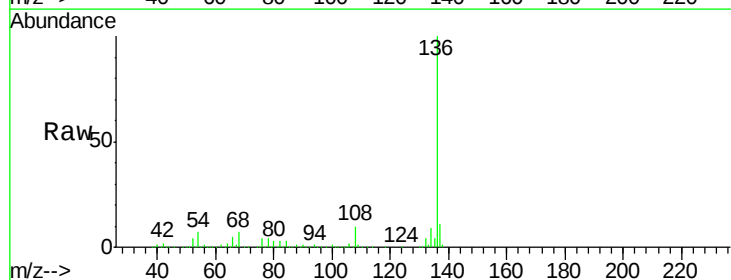
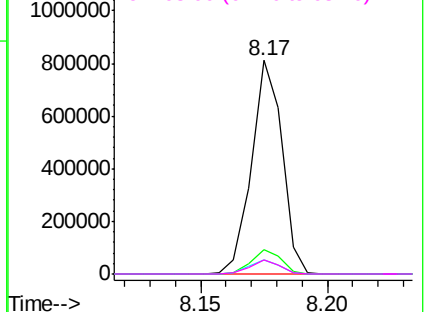
136 100

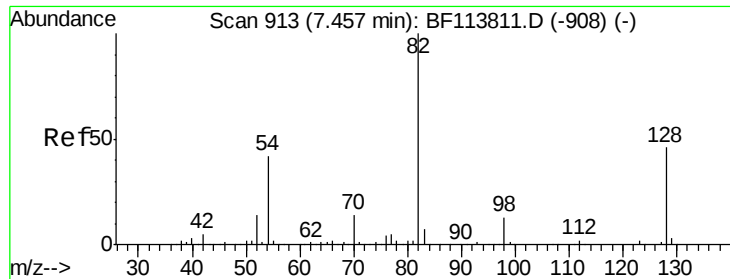
137 11.4 8.6 12.8

54 6.8 5.0 7.6

68 6.8 4.9 7.3

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





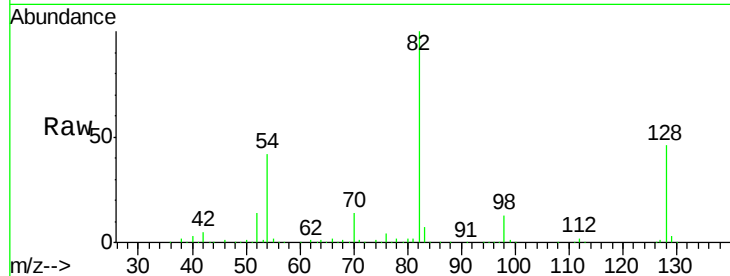
#23
Nitrobenzene-d5
Concen: 54.766 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF113855.D
Acq: 19 Apr 2019 13:45

Instrument :
BNA_F
ClientSampleId :
NCC-TOPSOIL-KY

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	616091		
128	46.3	36.8	55.2	
54	42.3	33.8	50.6	

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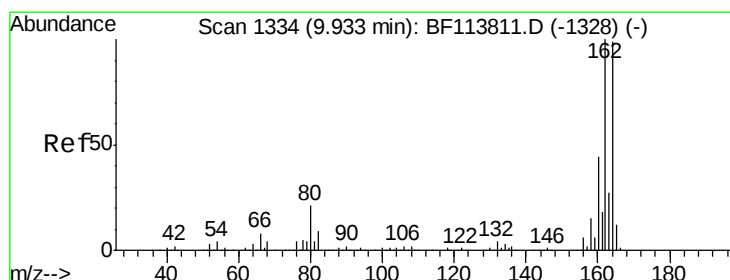
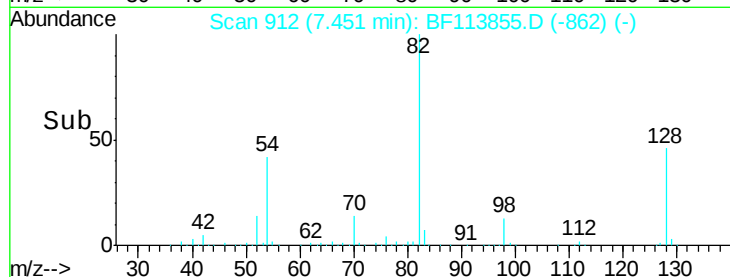
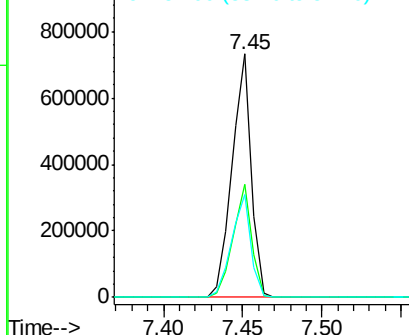


Abundance

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



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF113855.D
Acq: 19 Apr 2019 13:45

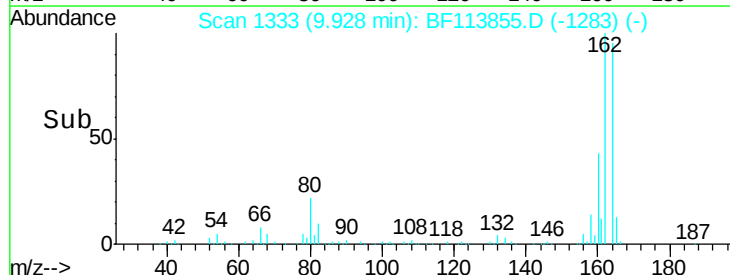
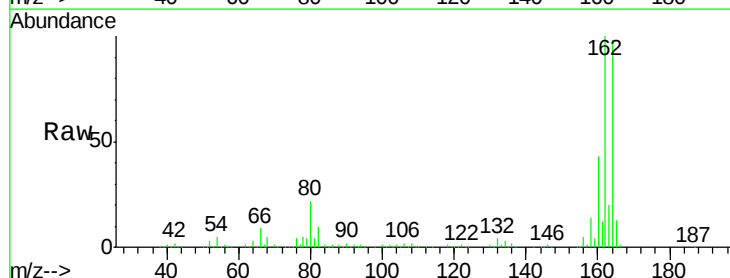
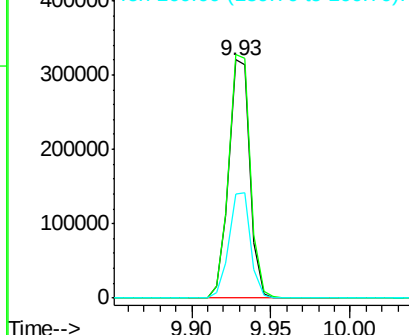
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	298526		
162	102.1	81.1	121.7	
160	43.6	35.8	53.6	

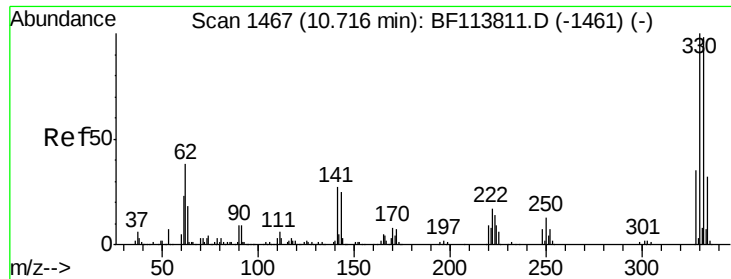
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 72.277 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.00 min

Lab File: BF113855.D

Acq: 19 Apr 2019 13:45

Instrument :

BNA_F

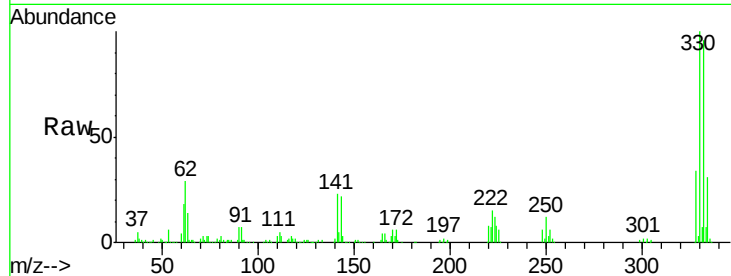
ClientSampleId :

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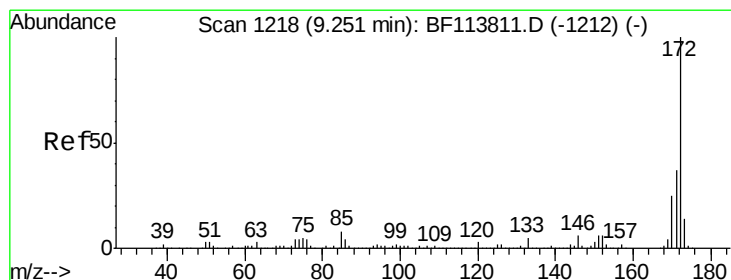
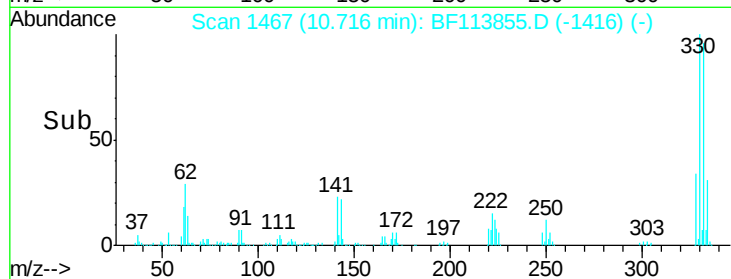
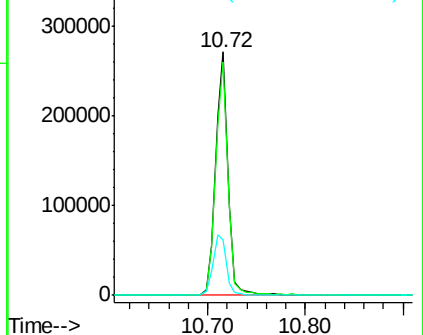
Tgt Ion:	330	Resp:	238383
Ion Ratio	Lower	Upper	
330	100		
332	96.5	77.5	116.3
141	27.6	22.2	33.2

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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



#45

2-Fluorobiphenyl

Concen: 56.076 ng

RT: 9.25 min Scan# 1218

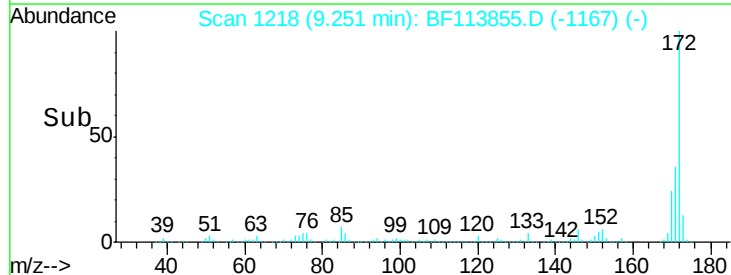
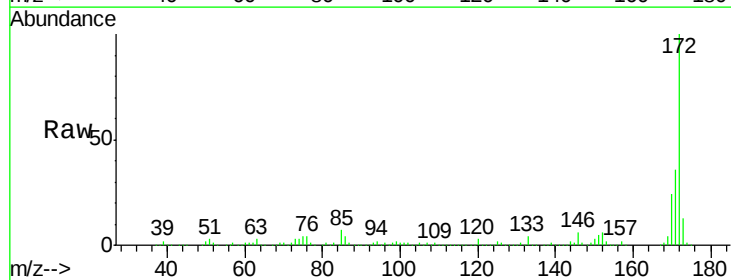
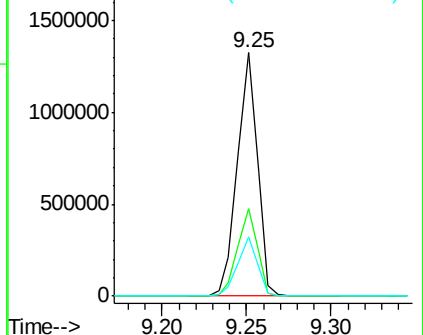
Delta R.T. -0.00 min

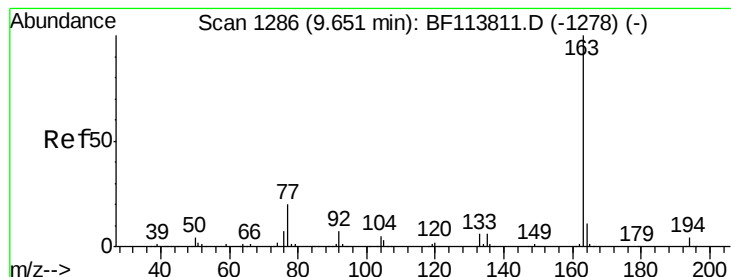
Lab File: BF113855.D

Acq: 19 Apr 2019 13:45

Tgt Ion:	172	Resp:	1097695
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.4	44.0
170	24.1	19.9	29.9

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





#50

Dimethylphthalate

Concen: 7.500 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF113855.D

Acq: 19 Apr 2019 13:45

Instrument :

BNA_F

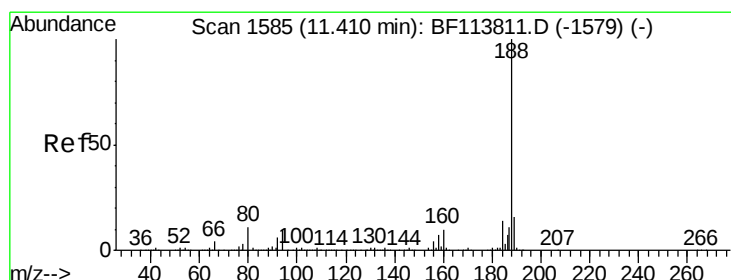
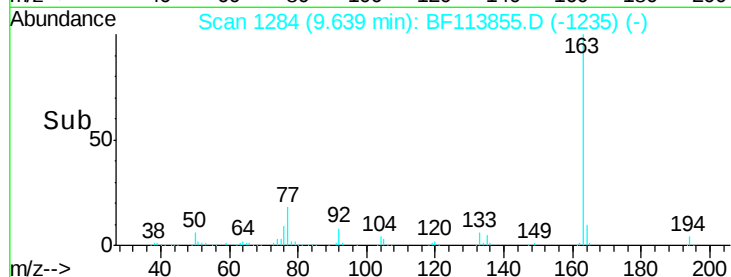
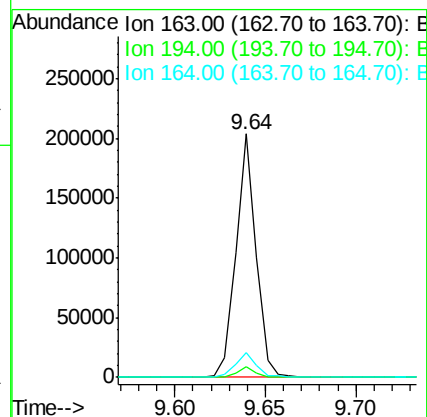
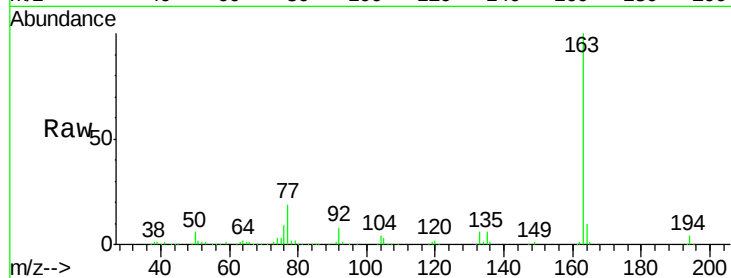
ClientSampleId :

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Tgt Ion:	163	Resp:	156686
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.4	5.2
164	10.1	8.5	12.7

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#64

Phenanthrene-d10

Concen: 20.000 ng

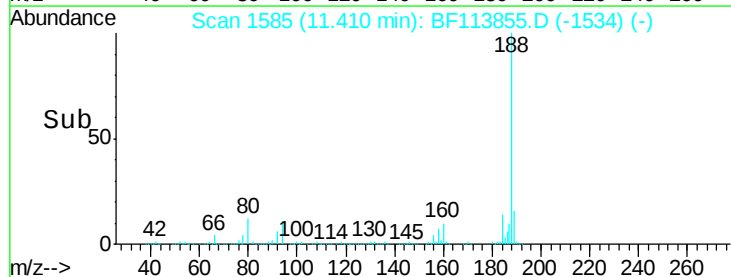
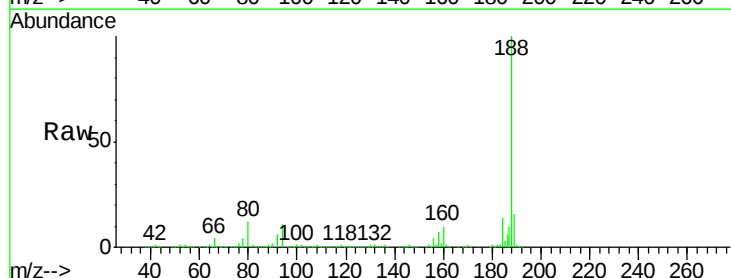
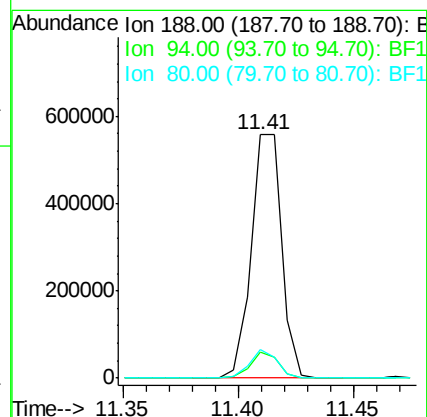
RT: 11.41 min Scan# 1585

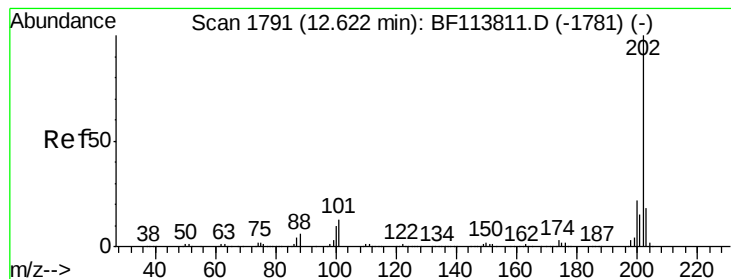
Delta R.T. -0.00 min

Lab File: BF113855.D

Acq: 19 Apr 2019 13:45

Tgt Ion:	188	Resp:	517660
Ion Ratio	Lower	Upper	
188	100		
94	10.5	8.2	12.4
80	11.8	9.0	13.6





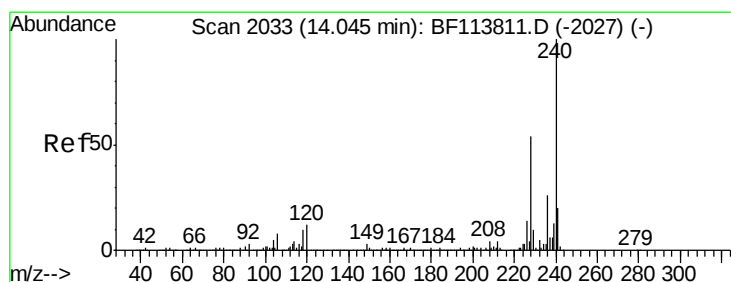
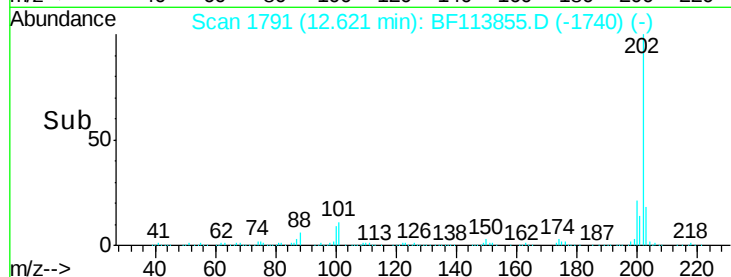
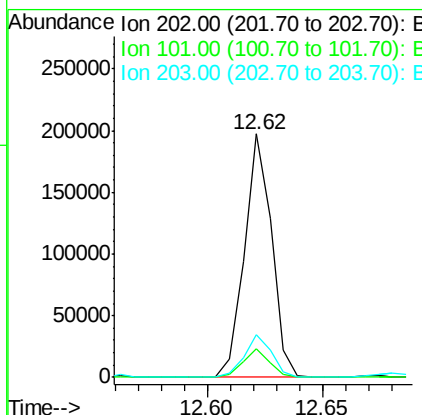
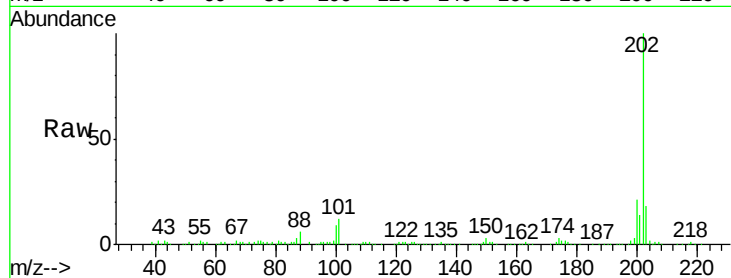
#75
 Fluoranthene
 Concen: 5.777 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: BF113855.D
 Acq: 19 Apr 2019 13:45

Instrument :
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 NCC-TOPSOIL-KY

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.6	0.0	32.9
203	17.8	0.0	38.2

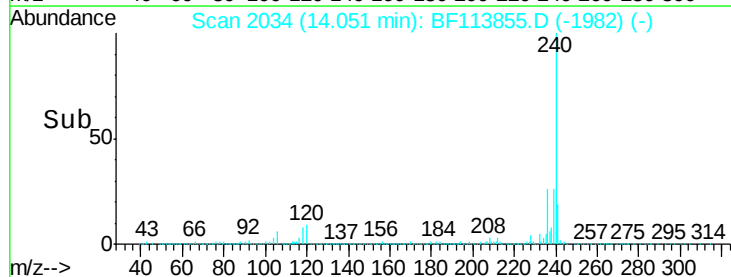
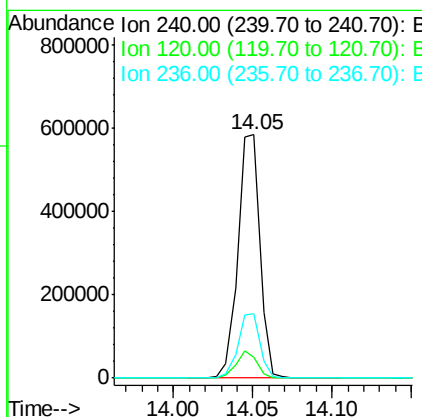
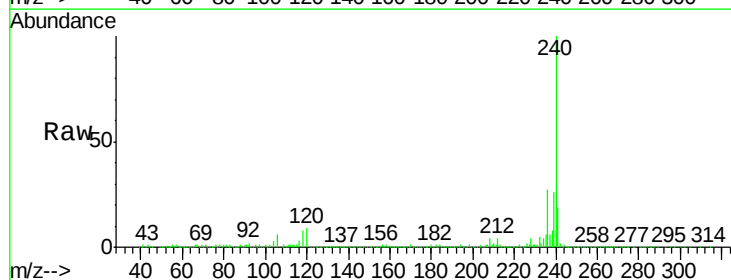
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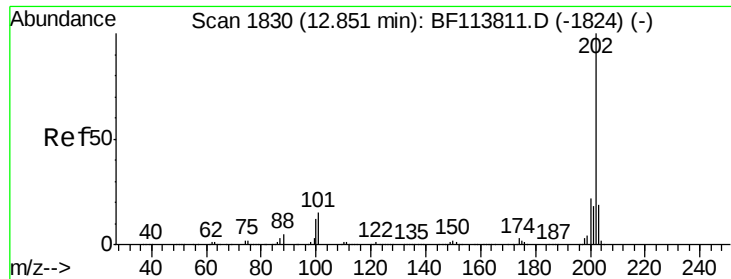
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.01 min
 Lab File: BF113855.D
 Acq: 19 Apr 2019 13:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	8.8	9.3	13.9#
236	26.6	21.2	31.8





#78

Pyrene

Concen: 4.177 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BF113855.D

Acq: 19 Apr 2019 13:45

Instrument :

BNA_F

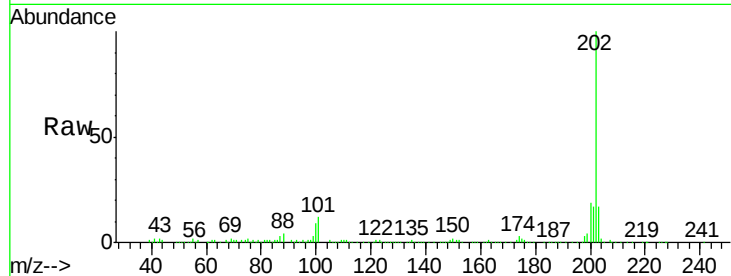
ClientSampleId :

NCC-TOPSOIL-KY

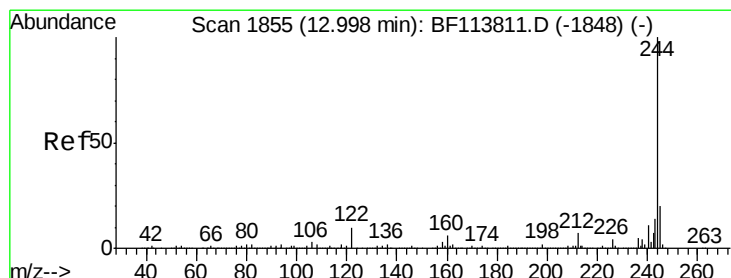
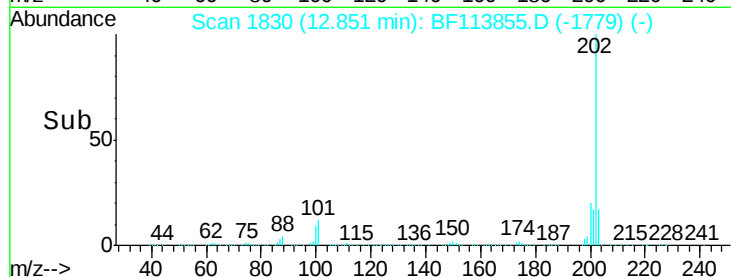
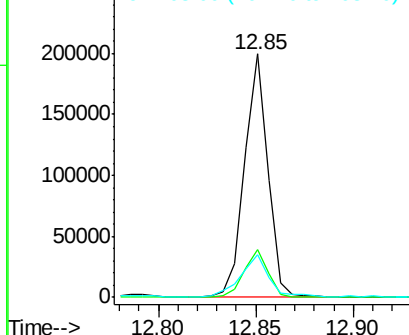
Tgt Ion:	202	Resp:	164641
Ion Ratio		Lower	Upper
202	100		
200	19.5	17.7	26.5
203	17.5	15.0	22.6

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 43.688 ng

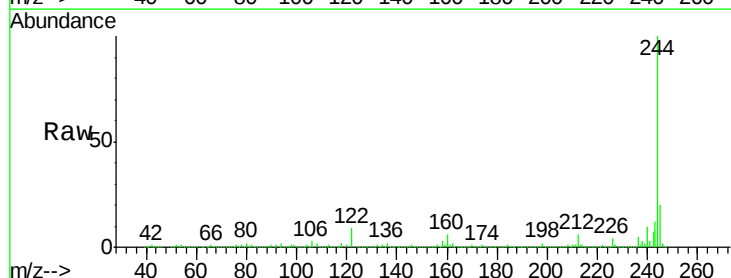
RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

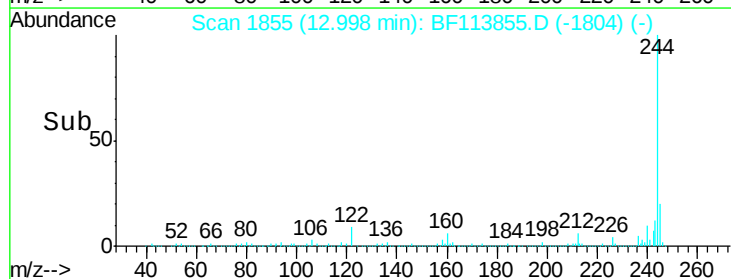
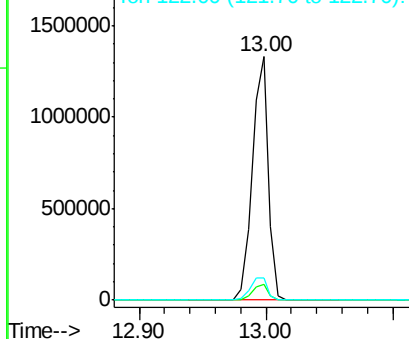
Lab File: BF113855.D

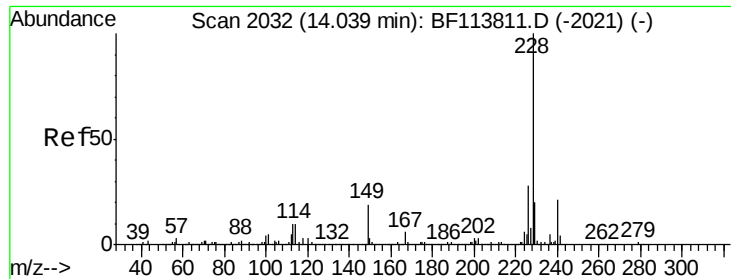
Acq: 19 Apr 2019 13:45

Tgt Ion:	244	Resp:	1165322
Ion Ratio		Lower	Upper
244	100		
212	6.4	5.4	8.2
122	8.9	7.6	11.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





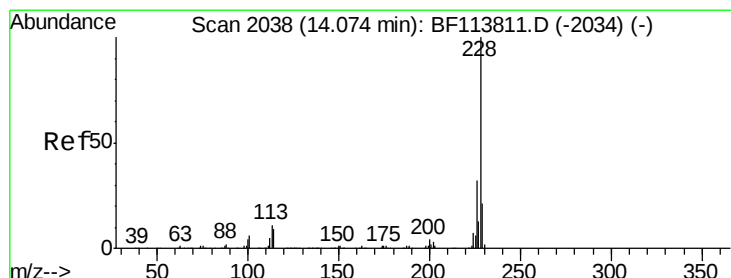
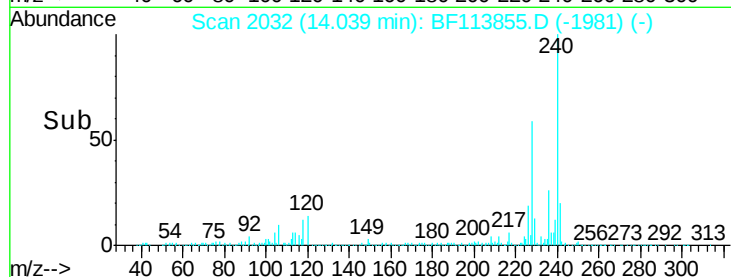
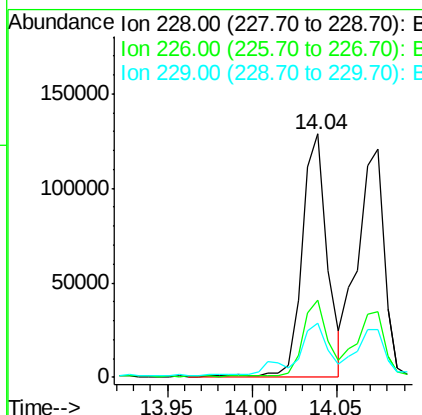
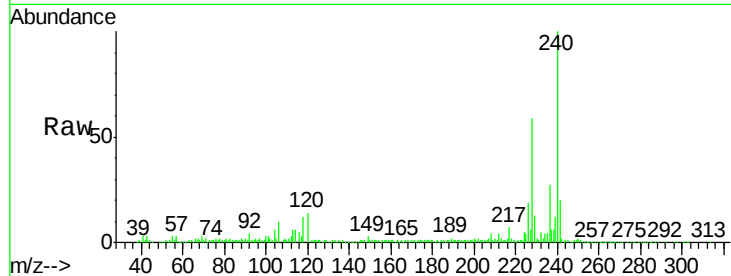
#81
Benzo(a)anthracene
Concen: 4.022 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF113855.D
Acq: 19 Apr 2019 13:45

Instrument :
BNA_F
ClientSampleId :
NCC-TOPSOIL-KY

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.2	33.2
229	22.1	16.0	24.0

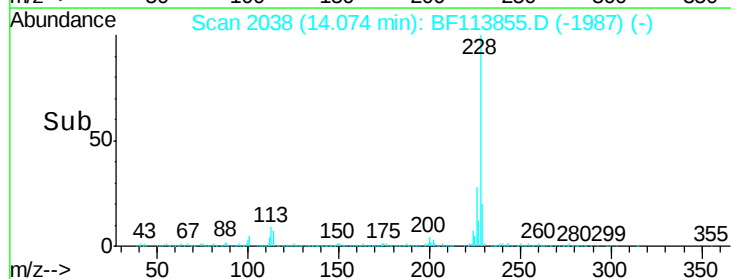
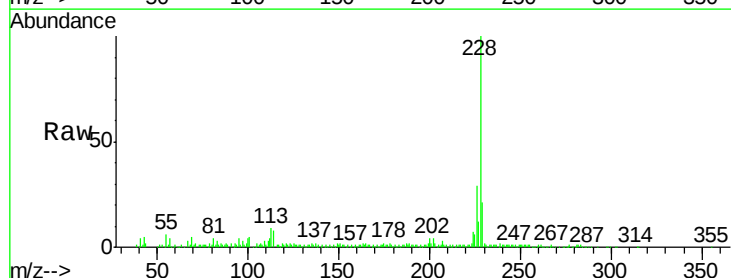
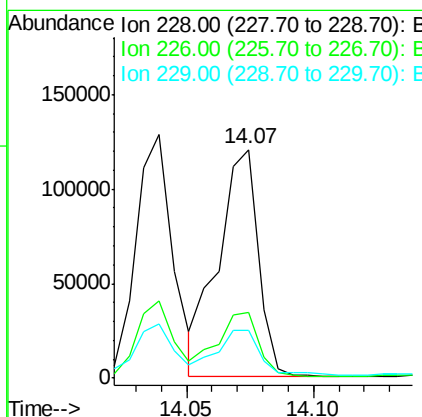
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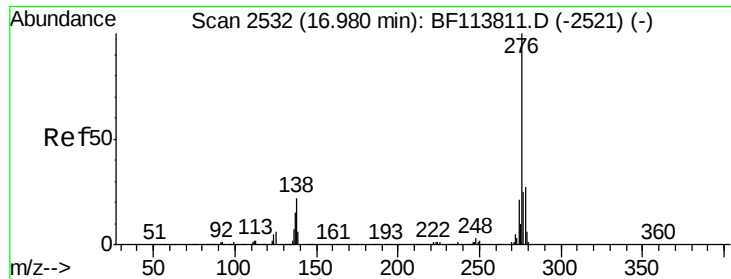
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#83
Chrysene
Concen: 4.098 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF113855.D
Acq: 19 Apr 2019 13:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	25.2	37.8
229	21.2	16.7	25.1





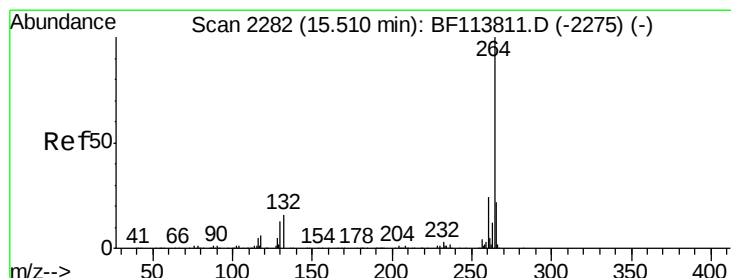
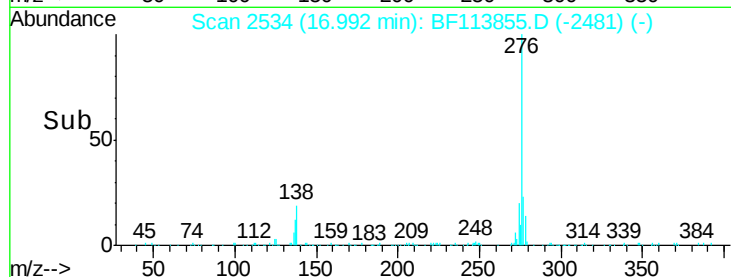
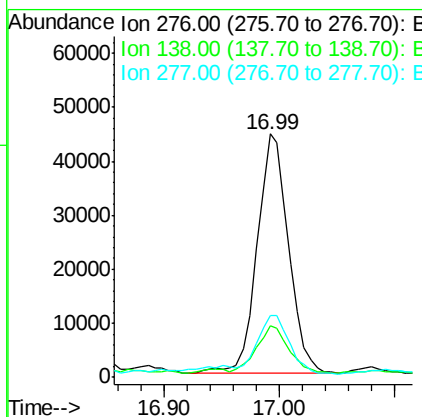
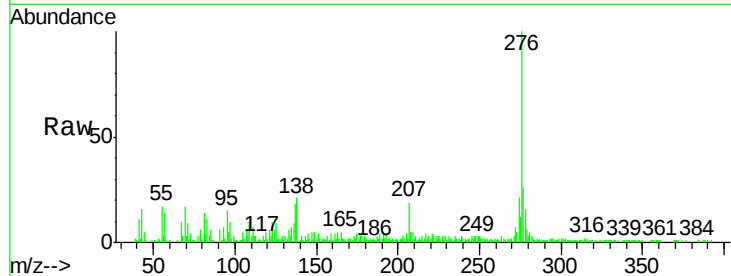
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.163 ng
 RT: 16.99 min Scan# 2534
 Delta R.T. 0.01 min
 Lab File: BF113855.D
 Acq: 19 Apr 2019 13:45

Instrument :
 BNA_F
 ClientSampleId :
 NCC-TOPSOIL-KY

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.7	19.6	29.4
277	24.9	20.2	30.4

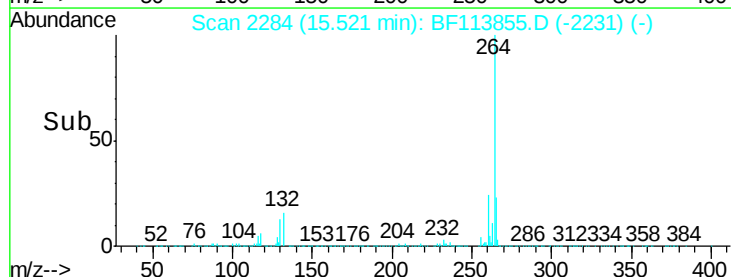
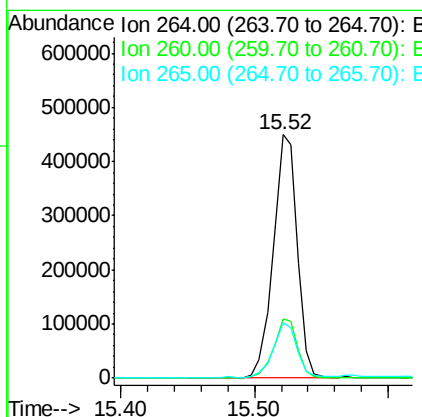
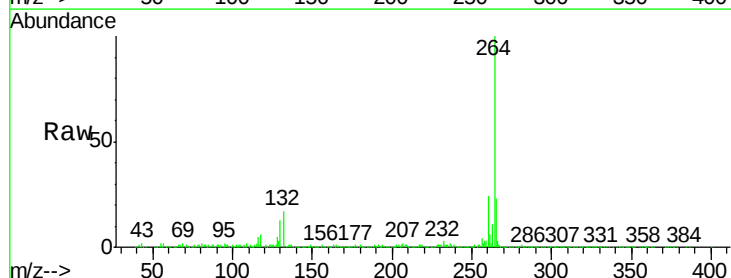
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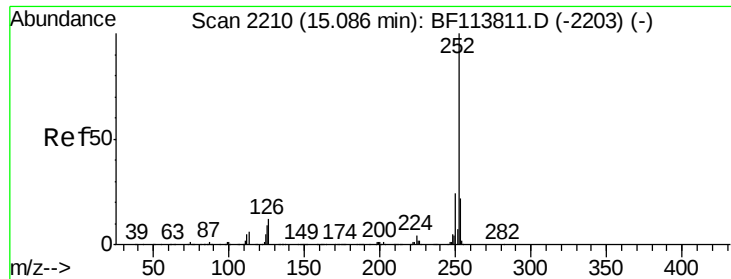
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2284
 Delta R.T. 0.01 min
 Lab File: BF113855.D
 Acq: 19 Apr 2019 13:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.9	28.3
265	22.8	17.3	25.9





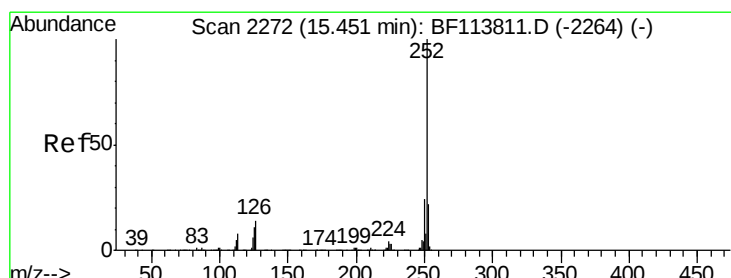
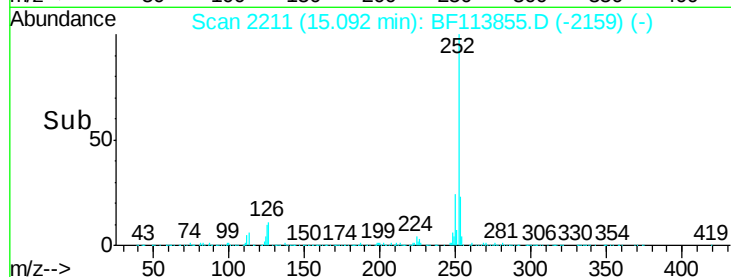
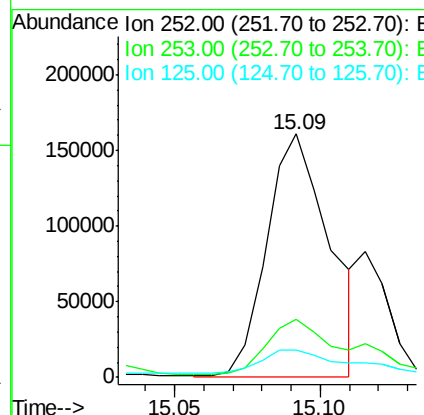
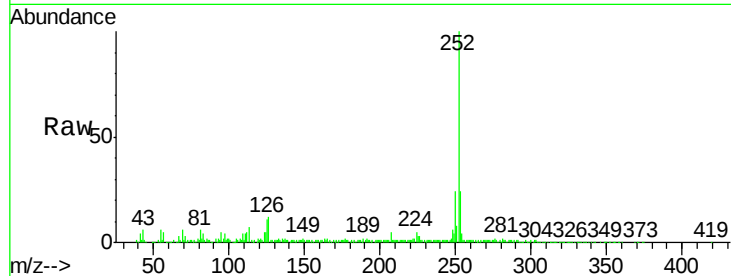
#88
Benzo(b)fluoranthene
Concen: 6.833 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF113855.D
Acq: 19 Apr 2019 13:45

Instrument :
BNA_F
ClientSampleId :
NCC-TOPSOIL-KY

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	239902		
253	23.6	17.8	26.6	
125	11.4	7.0	10.6	

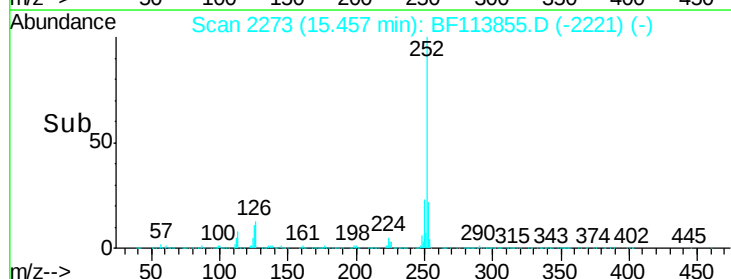
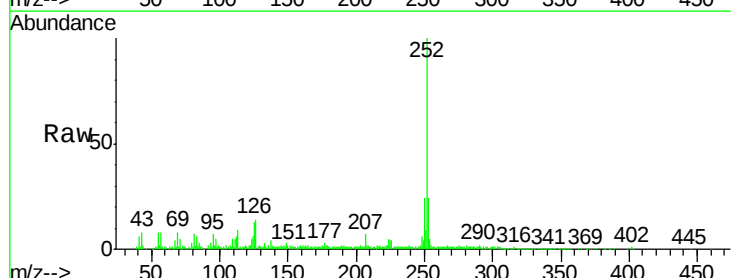
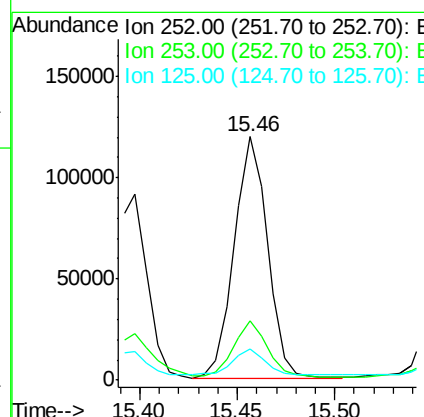
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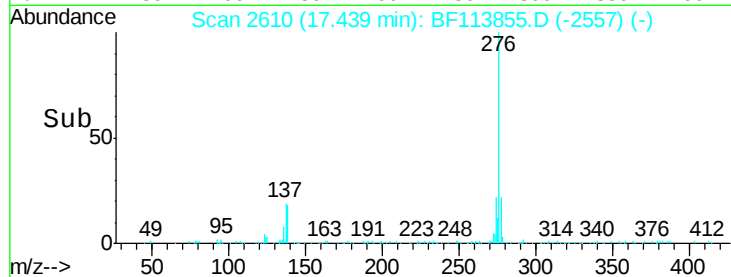
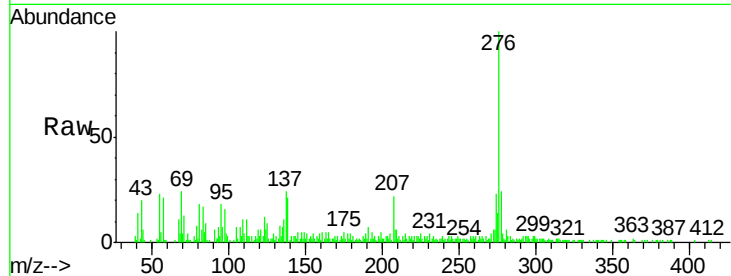
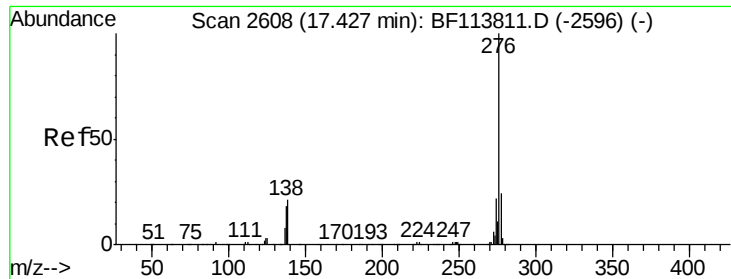
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#90
Benzo(a)pyrene
Concen: 4.547 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF113855.D
Acq: 19 Apr 2019 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	141167		
253	24.2	17.5	26.3	
125	12.6	8.5	12.7	





#92
 Benzo(g,h,i)perylene
 Concen: 2.657 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. 0.01 min
 Lab File: BF113855.D
 Acq: 19 Apr 2019 13:45

Instrument :
 BNA_F
 ClientSampleId :
 NCC-TOPSOIL-KY

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.4
138	20.7	16.6	25.0

Manual Integrations
 APPROVED

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 4/22/2019 7:26:31 PM

