

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032619\
 Data File : BF113316.D
 Acq On : 27 Mar 2019 3:16
 Operator : JU/SJ
 Sample : K2078-03RE 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-005-BRE

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Quant Time: Mar 27 08:30:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	172876	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	610995	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	250495	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	431384	20.00	ng	0.00
76) Chrysene-d12	13.84	240	427857	20.00	ng	0.00
87) Perylene-d12	15.24	264	388867	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	91084	8.62	ng	0.00
7) Phenol-d6	6.35	99	468864	35.06	ng	-0.01
23) Nitrobenzene-d5	7.26	82	362284	35.19	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	16036	5.18	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	613949	26.22	ng	0.00
79) Terphenyl-d14	12.79	244	543975	28.02	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.45	163	44048	2.373	ng	Qvalue # 98
71) Phenanthrene	11.23	178	153999	7.189	ng	98
75) Fluoranthene	12.42	202	193269	7.980	ng	99
78) Pyrene	12.64	202	183335	6.184	ng	99
80) Butylbenzylphthalate	13.26	149	91584	7.009	ng	98
81) Benzo(a)anthracene	13.83	228	89678	3.662	ng	98
83) Chrysene	13.86	228	88702	3.566	ng	97
85) Di-n-octyl phthalate	14.43	149	202725	7.456	ng	# 90
88) Benzo(b)fluoranthene	14.84	252	97874m	4.052	ng	
90) Benzo(a)pyrene	15.18	252	66825	3.120	ng	# 89

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

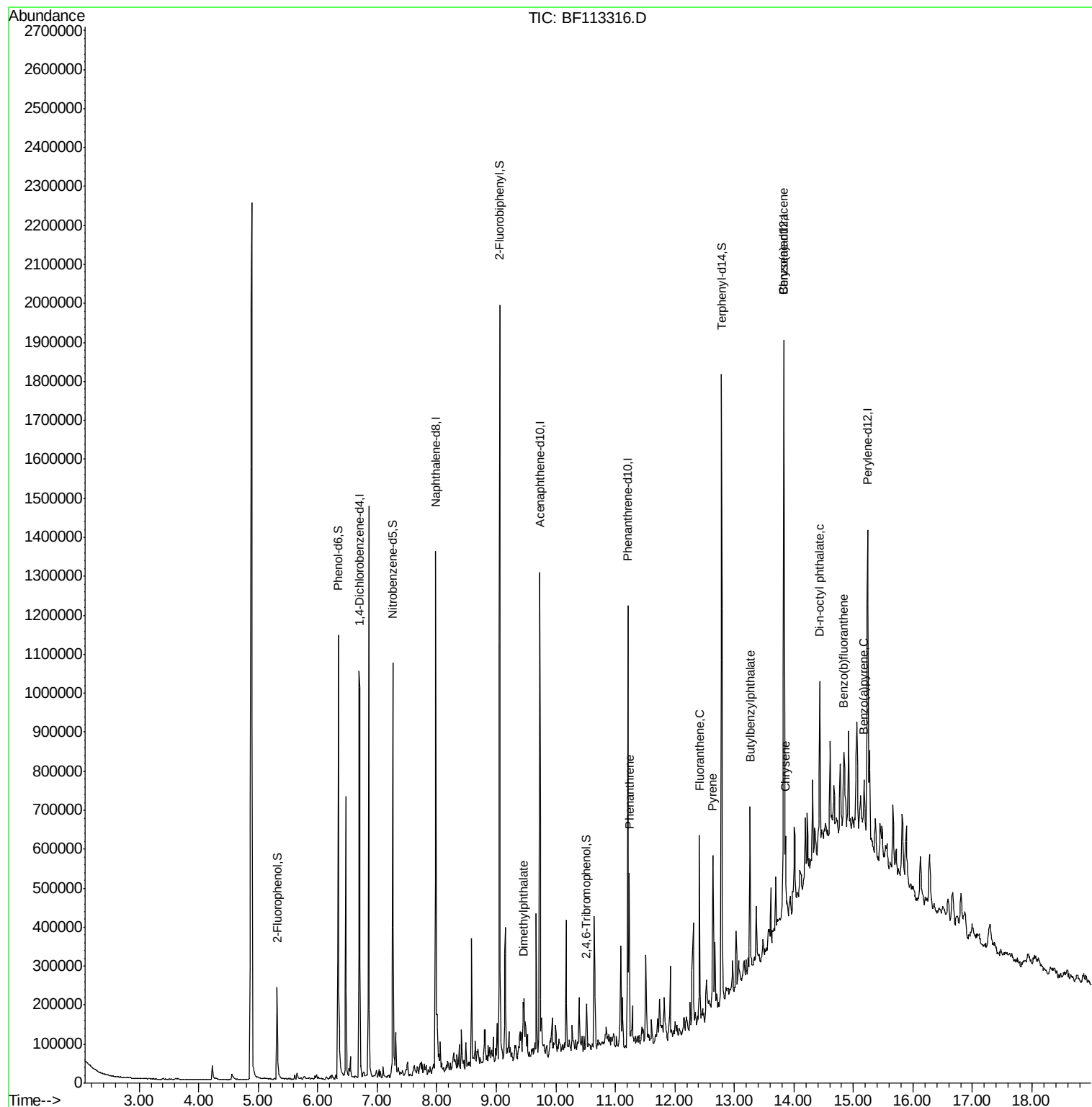
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032619\
Data File : BF113316.D
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Sample : K2078-03RE 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

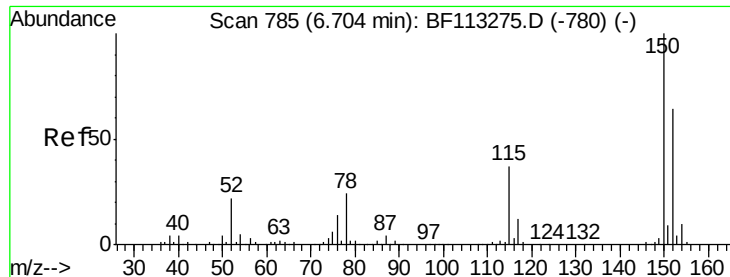
Instrument :
BNA_F
ClientSampleId :
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#1

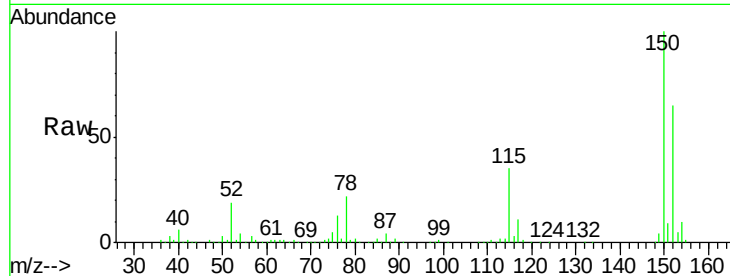
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113316.D
Acq: 27 Mar 2019 3:16

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-BRE

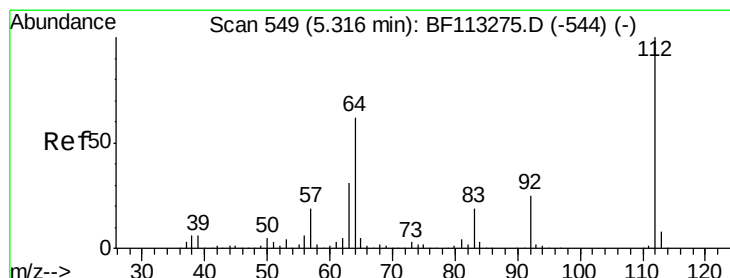
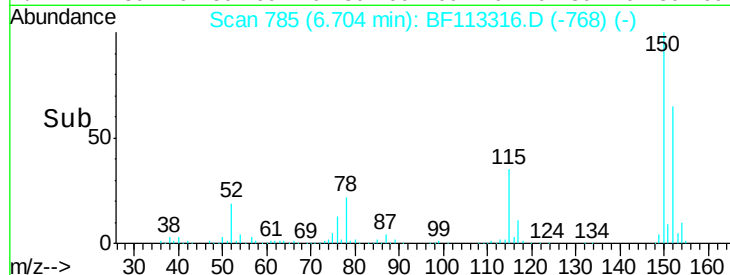
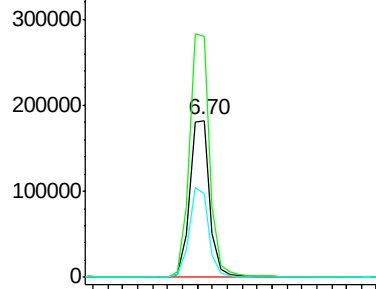
Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.7	187.1
115	53.7	46.0	69.0

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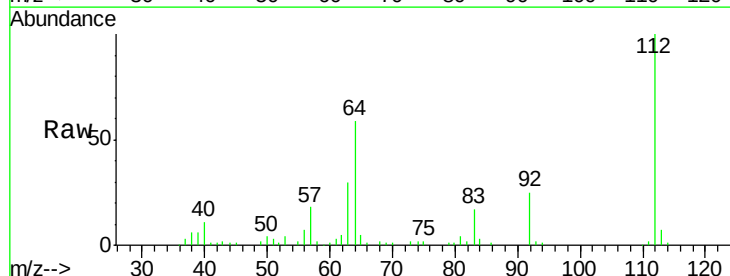
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



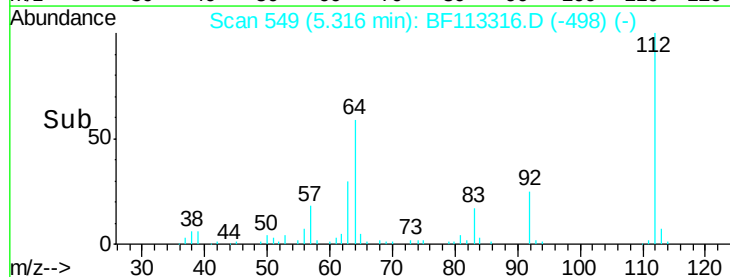
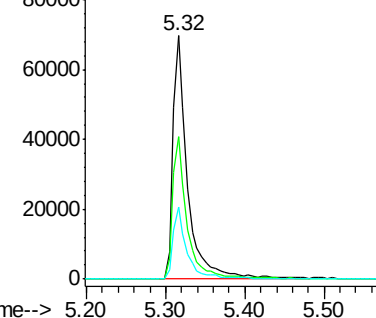
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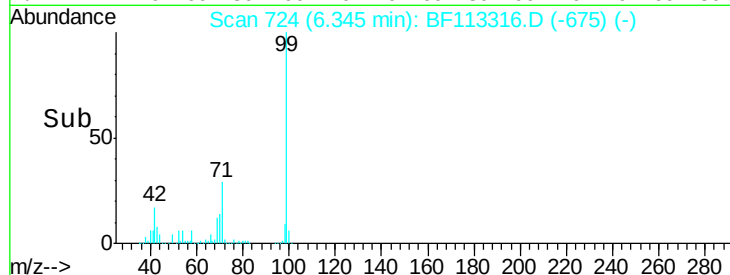
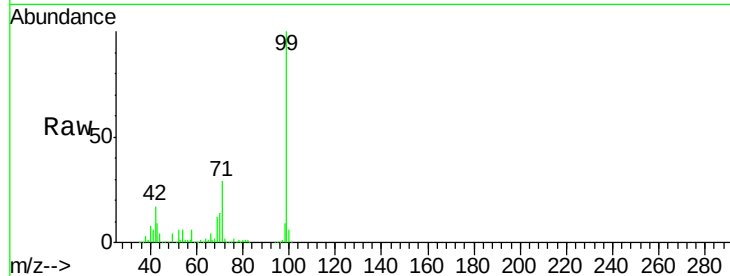
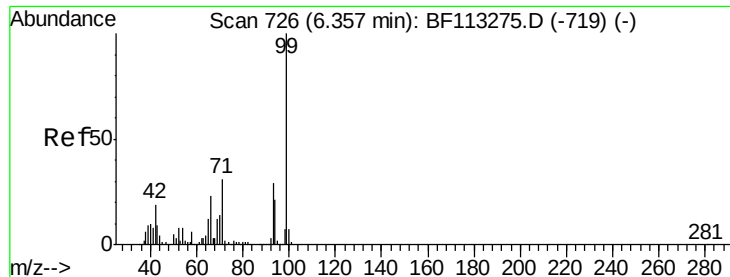
2-Fluorophenol
Concen: 8.615 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF113316.D
Acq: 27 Mar 2019 3:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	49.2	73.8
63	29.7	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: 35.055 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113316.D

Acq: 27 Mar 2019 3:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		468864		
42	16.6	14.8	22.2		
71	29.0	24.9	37.3		

Instrument :

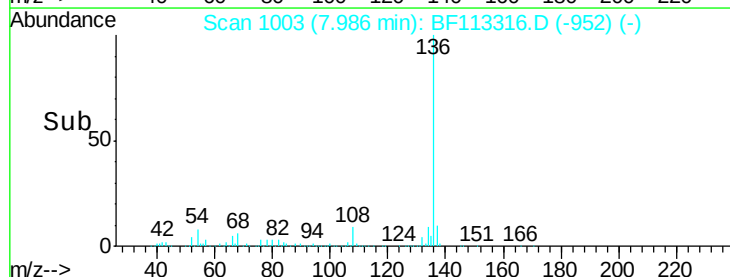
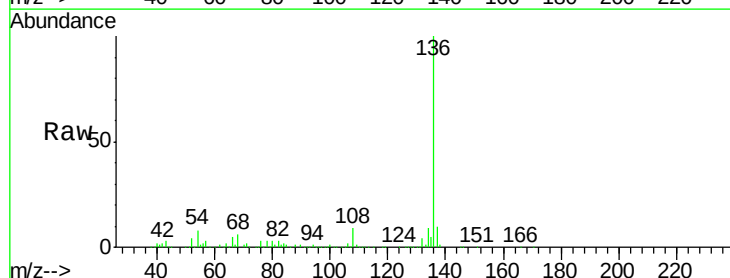
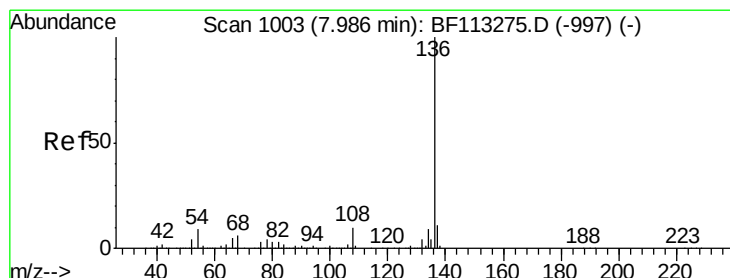
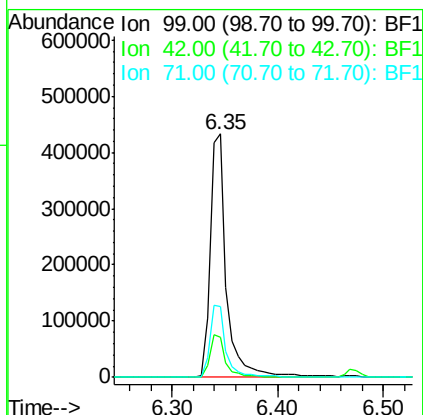
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#21

Naphthalene-d8

Concen: 20.000 ng

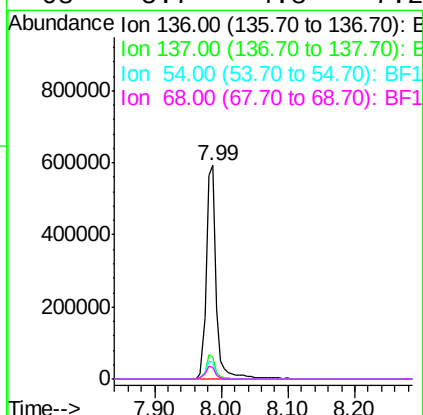
RT: 7.99 min Scan# 1003

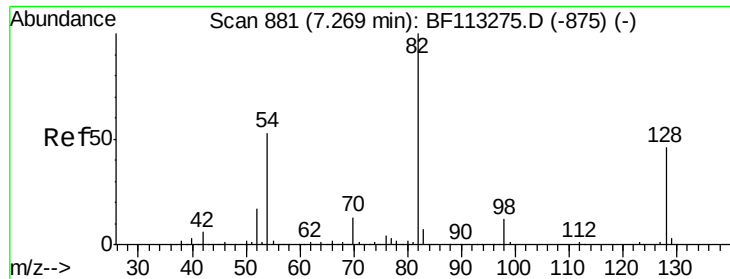
Delta R.T. 0.00 min

Lab File: BF113316.D

Acq: 27 Mar 2019 3:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		610995		
137	10.5	8.9	13.3		
54	7.6	7.0	10.6		
68	5.7	4.8	7.2		





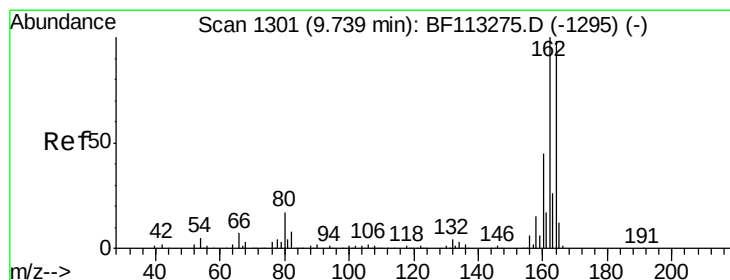
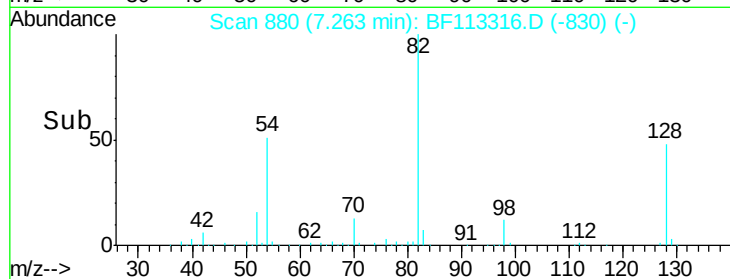
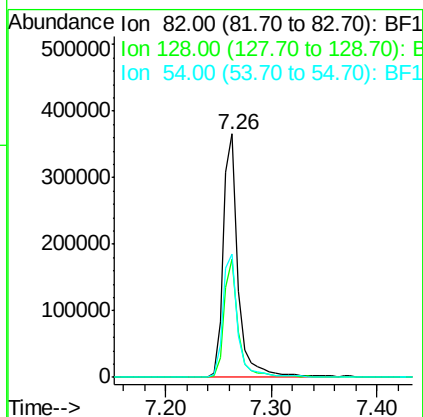
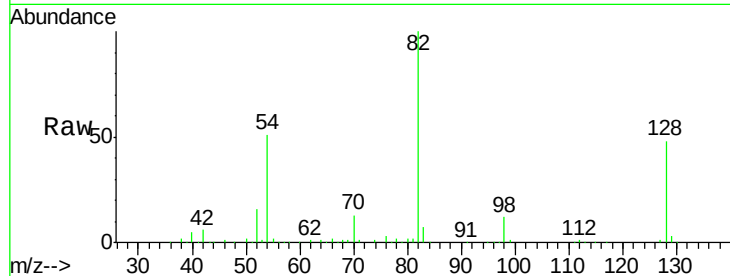
#23
 Nitrobenzene-d5
 Concen: 35.193 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: BF113316.D
 Acq: 27 Mar 2019 3:16

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
82	100	362284		
128	48.4	36.5	54.7	
54	50.6	42.2	63.2	

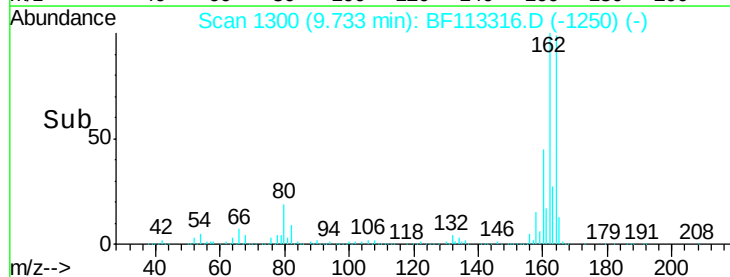
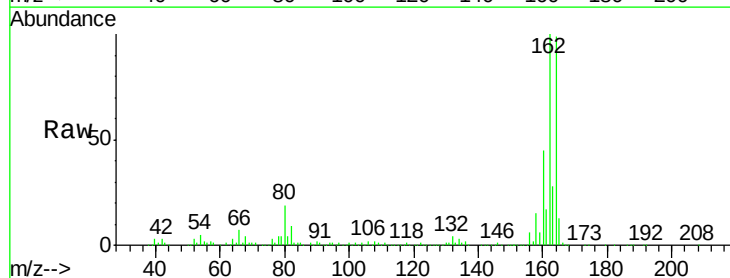
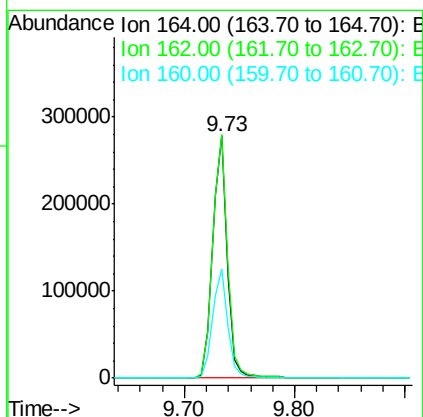
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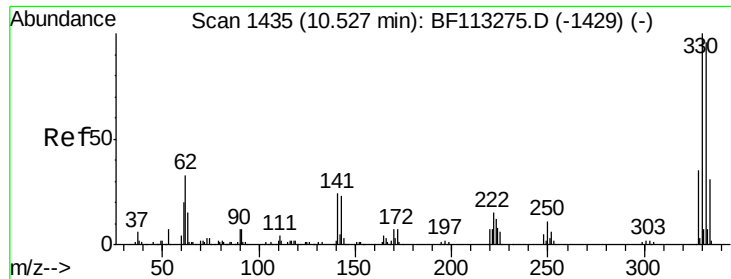
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF113316.D
 Acq: 27 Mar 2019 3:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	250495		
162	100.6	81.8	122.6	
160	45.0	36.4	54.6	





#42

2,4,6-Tribromophenol

Concen: 5.183 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF113316.D

Acq: 27 Mar 2019 3:16

Instrument :

BNA_F

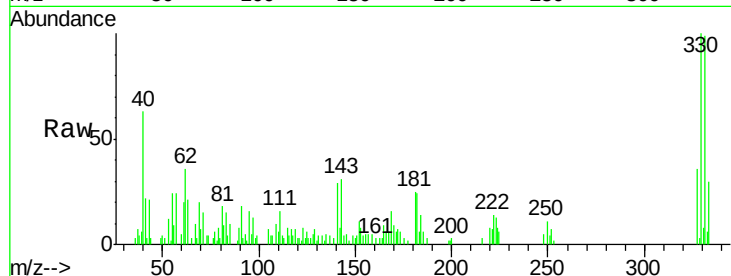
ClientSampleId :

FK-SF-01-005-BRE

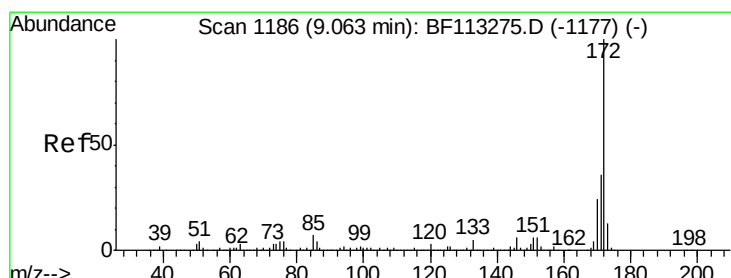
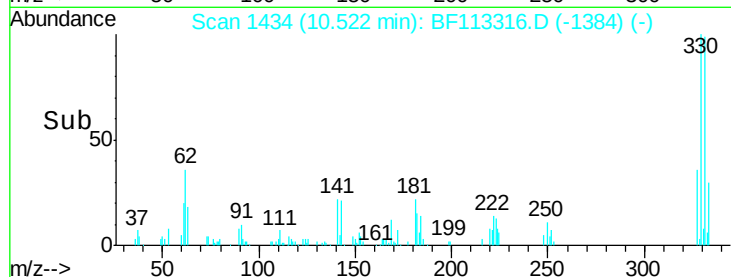
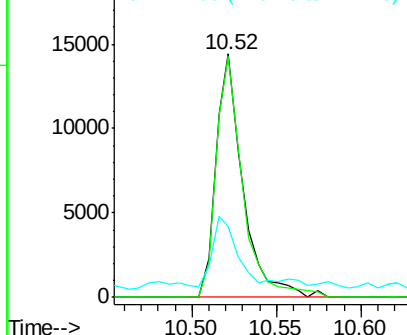
Tgt Ion:	330	Resp:	16036
Ion Ratio	Lower	Upper	
330	100		
332	98.4	77.8	116.6
141	25.1	22.7	34.1

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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: 26.218 ng

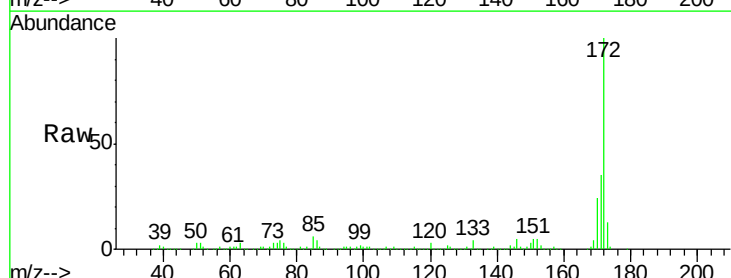
RT: 9.06 min Scan# 1185

Delta R.T. -0.01 min

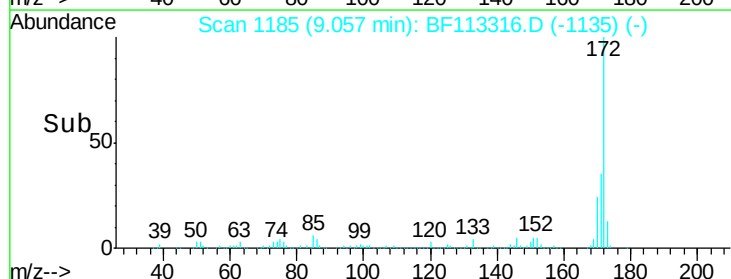
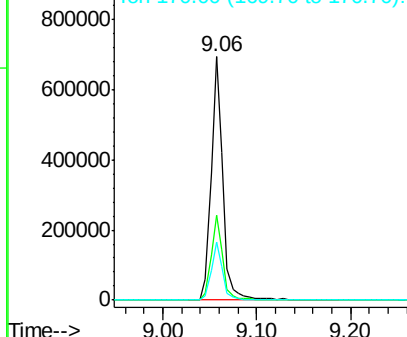
Lab File: BF113316.D

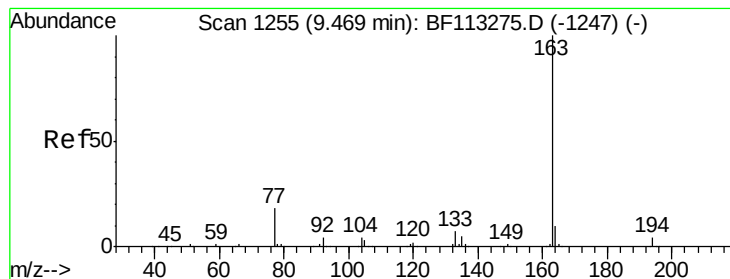
Acq: 27 Mar 2019 3:16

Tgt Ion:	172	Resp:	613949
Ion Ratio	Lower	Upper	
172	100		
171	35.1	29.0	43.6
170	23.6	19.5	29.3



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: 2.373 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF113316.D

Acq: 27 Mar 2019 3:16

Instrument :

BNA_F

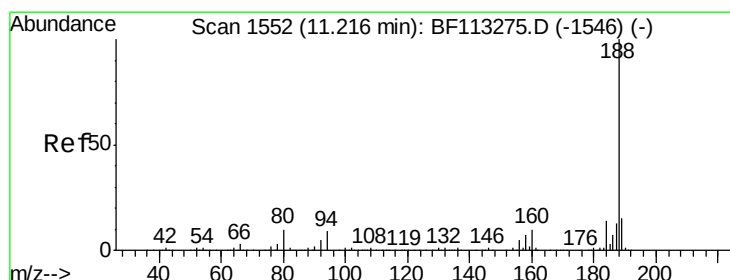
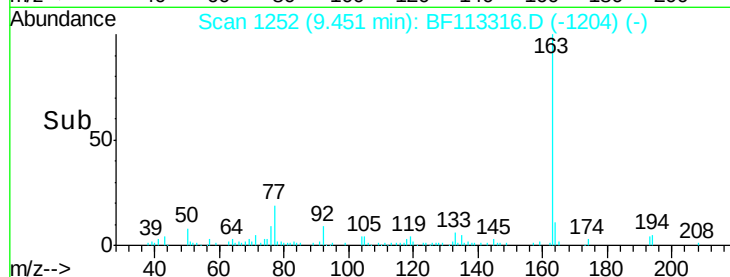
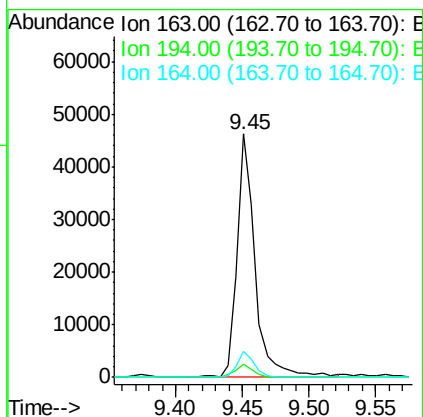
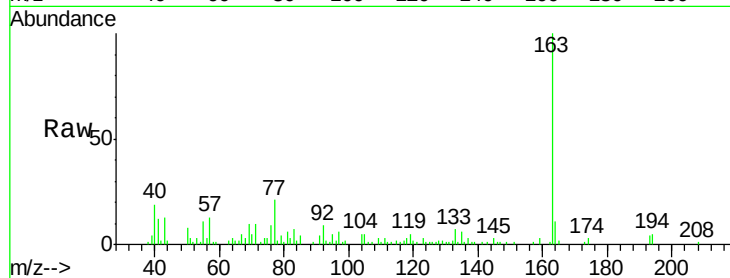
ClientSampleId :

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Tgt Ion:	163	Resp:	44048
Ion Ratio	Lower	Upper	
163	100		
194	5.4	3.0	4.6#
164	10.5	8.1	12.1

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#64

Phenanthrene-d10

Concen: 20.000 ng

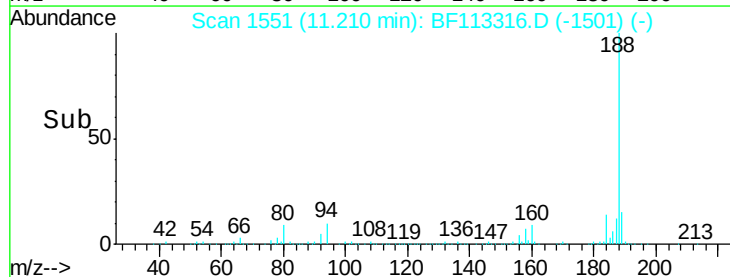
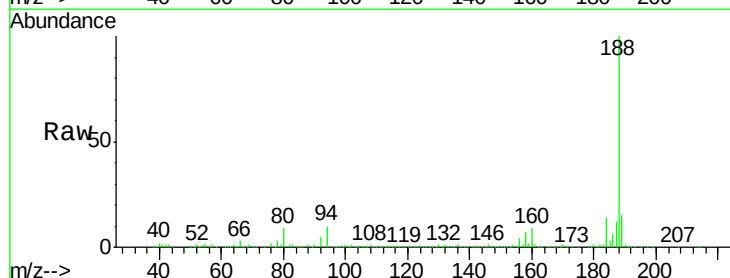
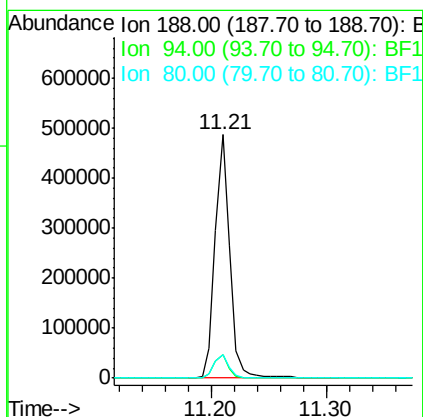
RT: 11.21 min Scan# 1551

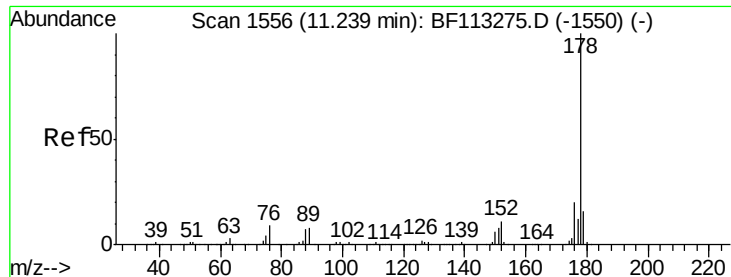
Delta R.T. -0.01 min

Lab File: BF113316.D

Acq: 27 Mar 2019 3:16

Tgt Ion:	188	Resp:	431384
Ion Ratio	Lower	Upper	
188	100		
94	9.6	7.0	10.6
80	9.5	7.7	11.5





#71

Phenanthrene

Concen: 7.189 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113316.D

Acq: 27 Mar 2019 3:16

Instrument :

BNA_F

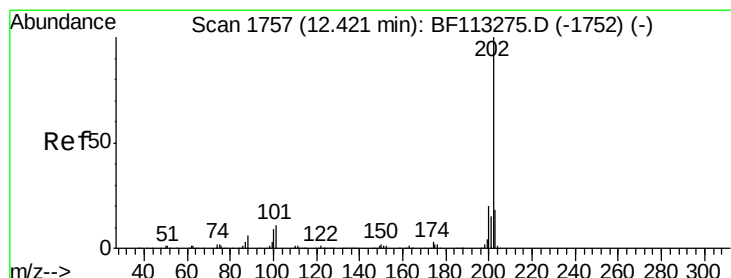
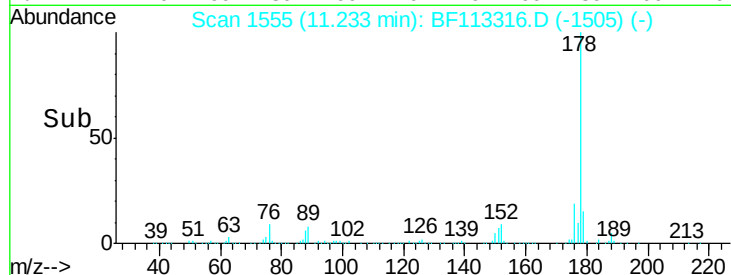
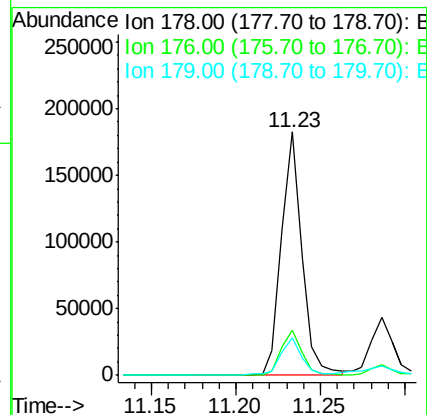
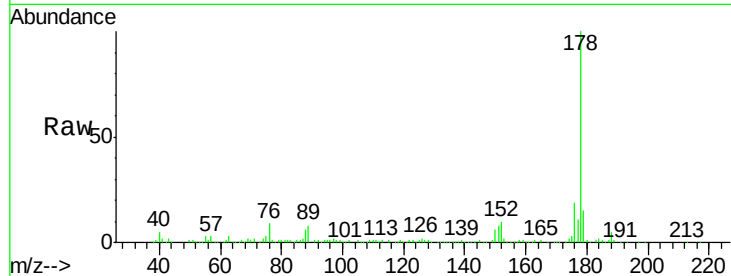
ClientSampleId :

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Tgt Ion:	178	Resp:	153999
Ion Ratio	Lower	Upper	
178	100		
176	18.6	16.2	24.2
179	15.4	12.7	19.1

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#75

Fluoranthene

Concen: 7.980 ng

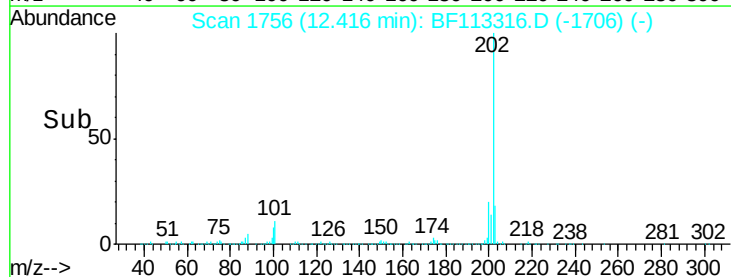
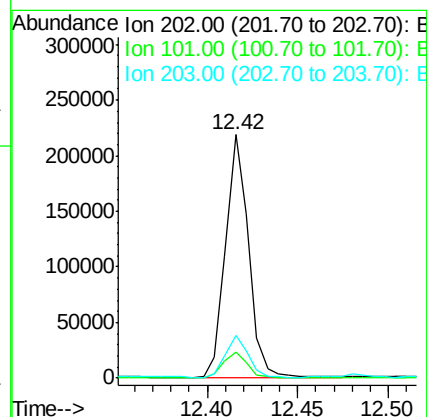
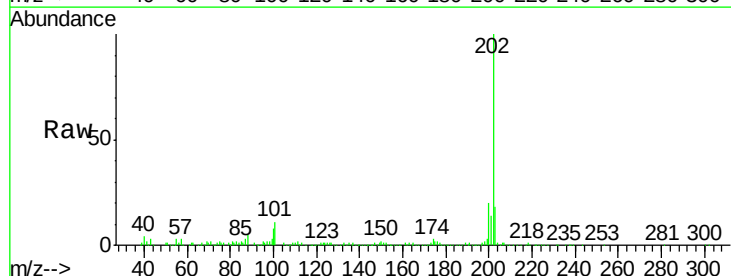
RT: 12.42 min Scan# 1756

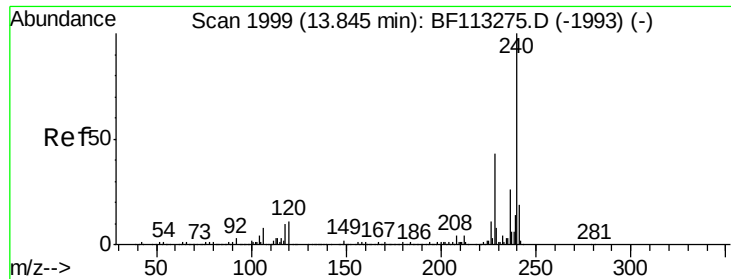
Delta R.T. -0.01 min

Lab File: BF113316.D

Acq: 27 Mar 2019 3:16

Tgt Ion:	202	Resp:	193269
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	31.4
203	17.8	0.0	38.0





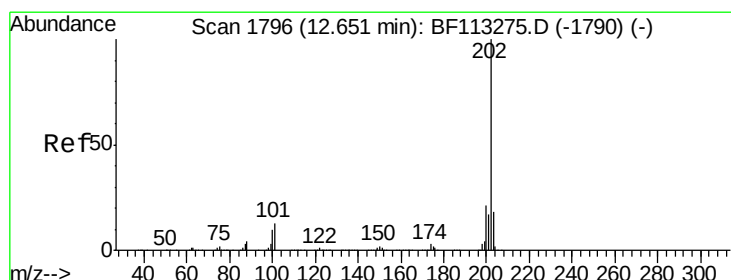
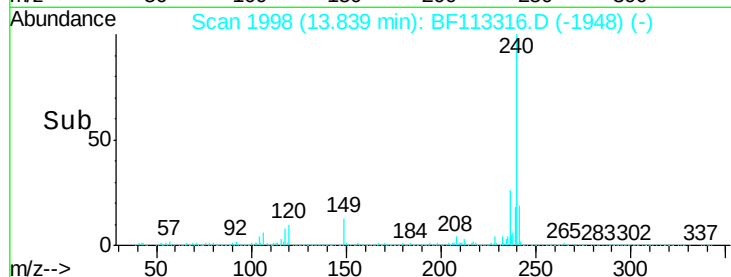
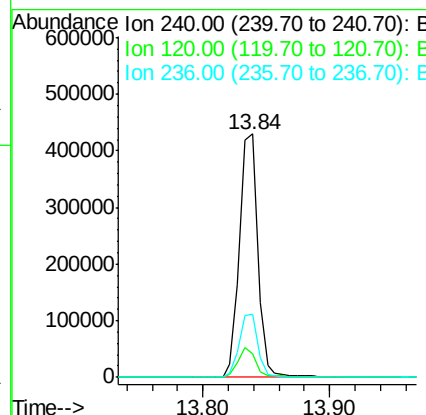
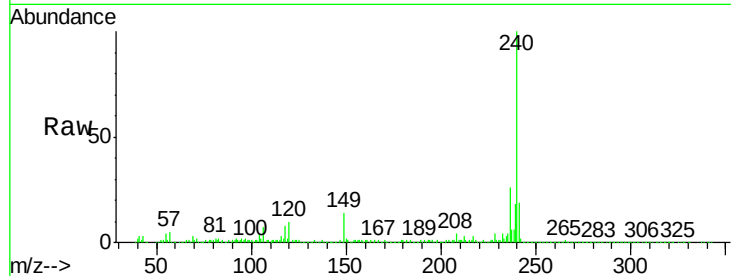
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113316.D
Acq: 27 Mar 2019 3:16

Instrument :
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Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.8	13.2
236	26.0	20.9	31.3

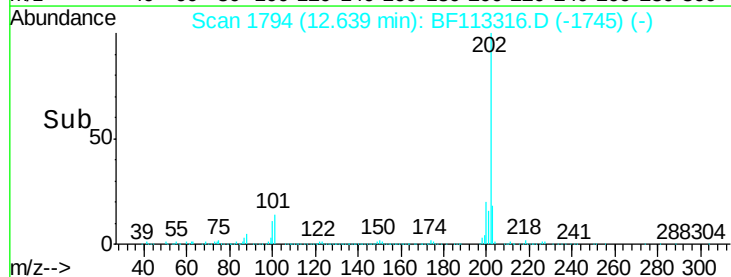
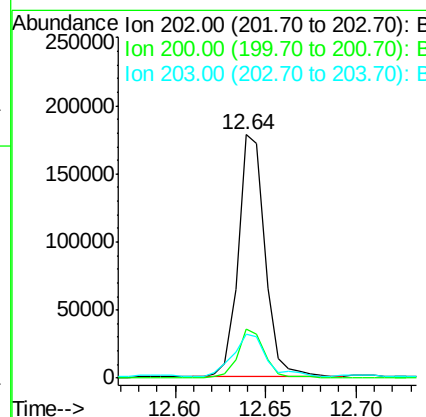
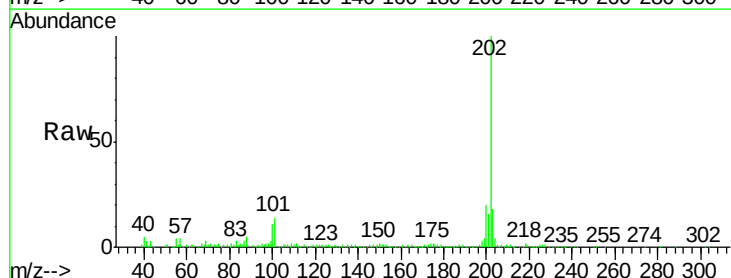
Manual Integrations
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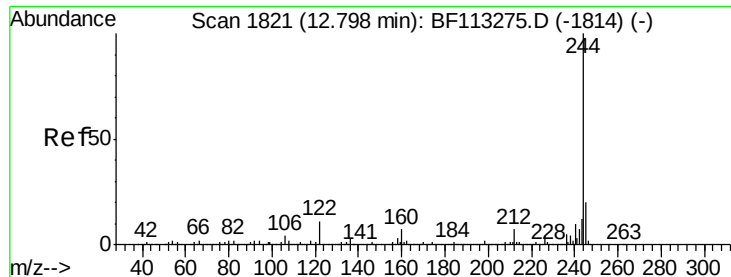
Sohil
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#78
Pyrene
Concen: 6.184 ng
RT: 12.64 min Scan# 1794
Delta R.T. -0.01 min
Lab File: BF113316.D
Acq: 27 Mar 2019 3:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.8	25.2
203	18.3	14.4	21.6





#79

Terphenyl-d14

Concen: 28.024 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF113316.D

Acq: 27 Mar 2019 3:16

Instrument :

BNA_F

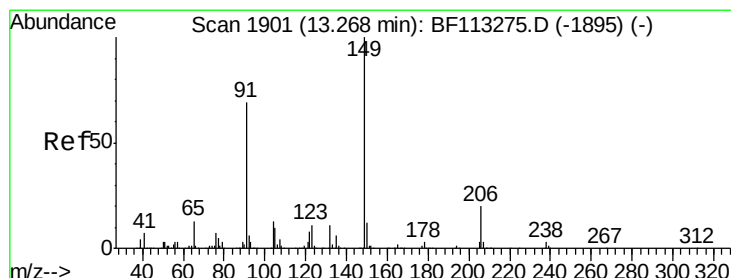
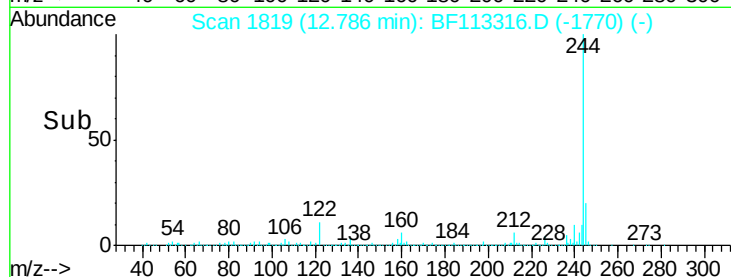
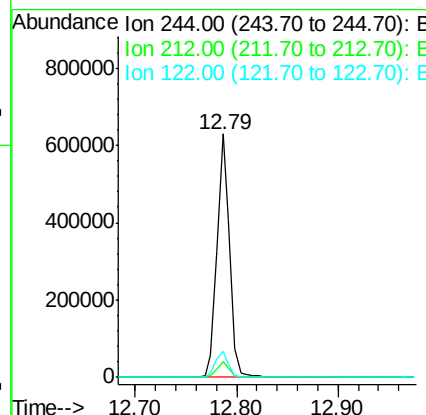
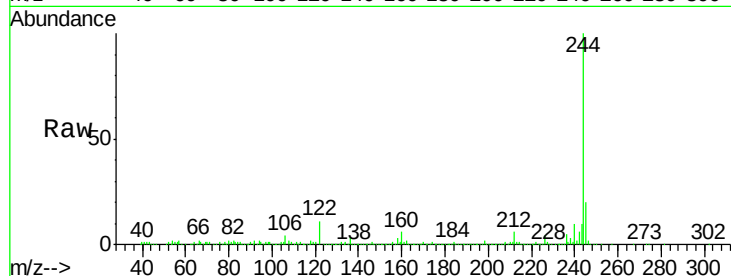
ClientSampleId :

FK-SF-01-005-BRE

Tgt Ion:	244	Resp:	543975
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.5	8.3
122	10.8	8.6	13.0

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#80

Butylbenzylphthalate

Concen: 7.009 ng

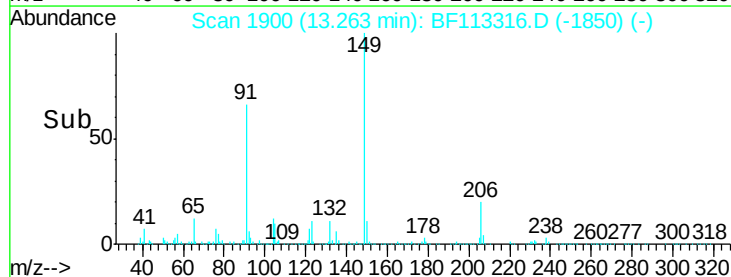
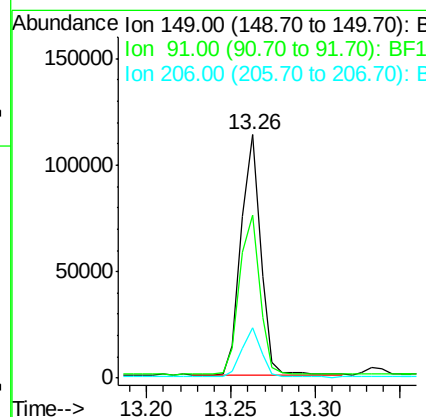
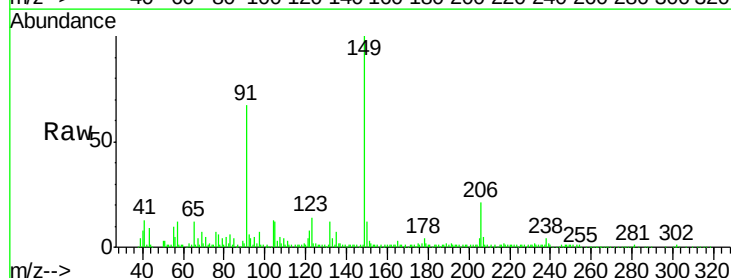
RT: 13.26 min Scan# 1900

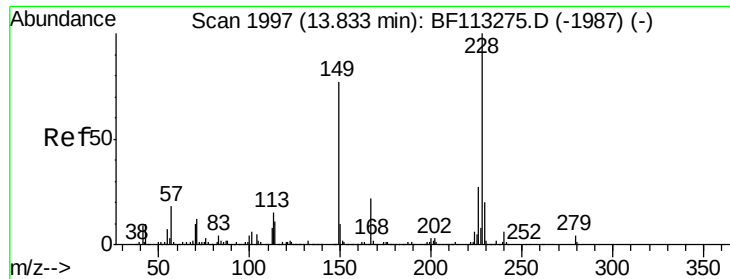
Delta R.T. -0.01 min

Lab File: BF113316.D

Acq: 27 Mar 2019 3:16

Tgt Ion:	149	Resp:	91584
Ion Ratio	Lower	Upper	
149	100		
91	67.2	55.2	82.8
206	20.6	16.1	24.1





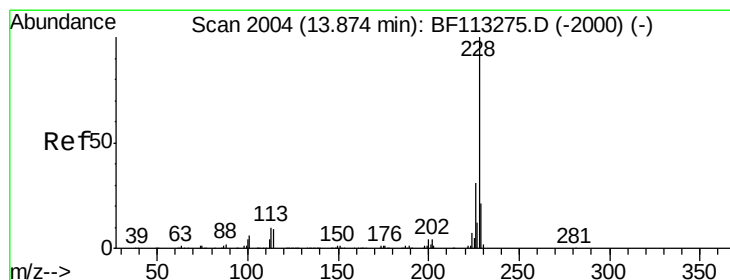
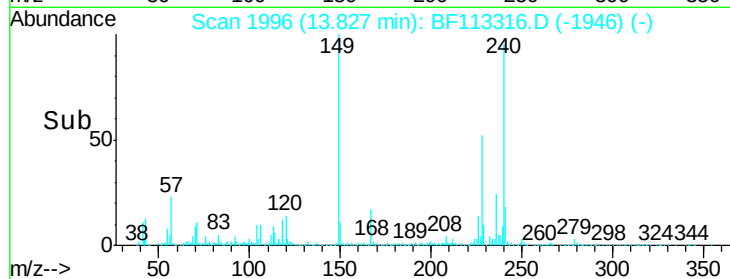
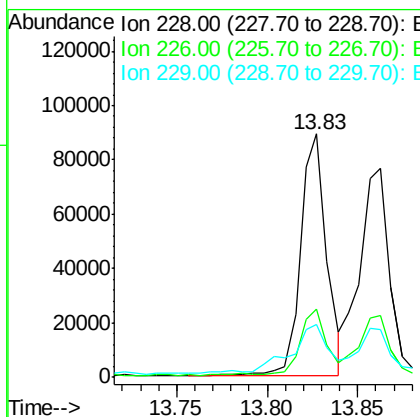
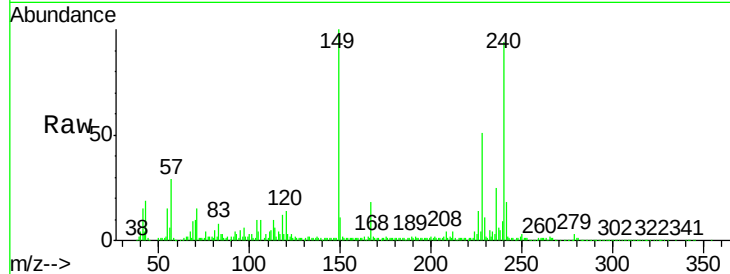
#81
Benzo(a)anthracene
Concen: 3.662 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF113316.D
Acq: 27 Mar 2019 3:16

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-BRE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.8	32.8
229	21.9	16.2	24.4

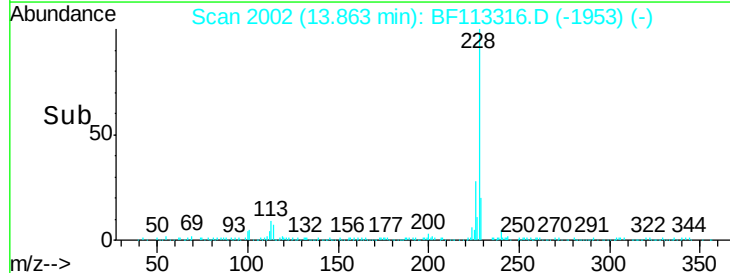
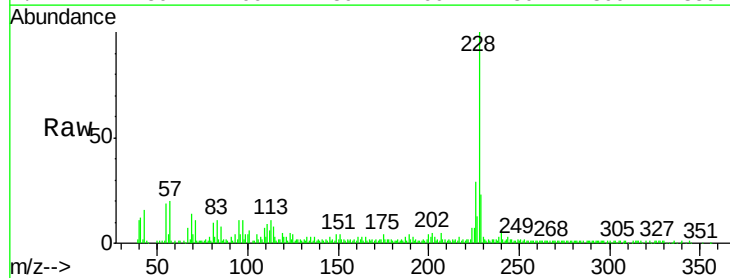
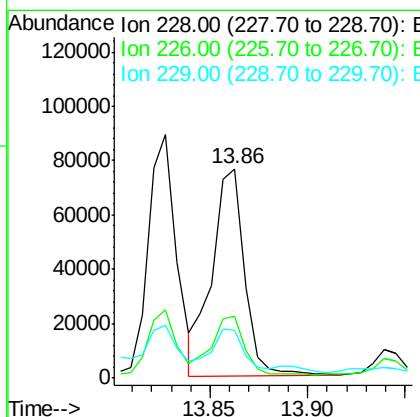
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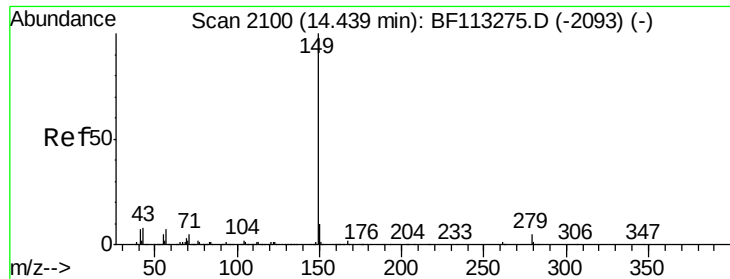
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#83
Chrysene
Concen: 3.566 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113316.D
Acq: 27 Mar 2019 3:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.3	36.5
229	22.8	16.3	24.5





#85

Di-n-octyl phthalate

Concen: 7.456 ng

RT: 14.43 min Scan# 2099

Delta R.T. -0.01 min

Lab File: BF113316.D

Acq: 27 Mar 2019 3:16

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-005-BRE

Tgt Ion:149 Resp: 202725
Ion Ratio Lower Upper

149 100

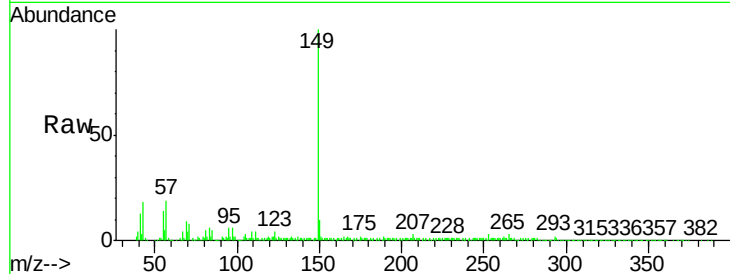
167 2.0 1.3 1.9#

43 13.7 7.7 11.5#

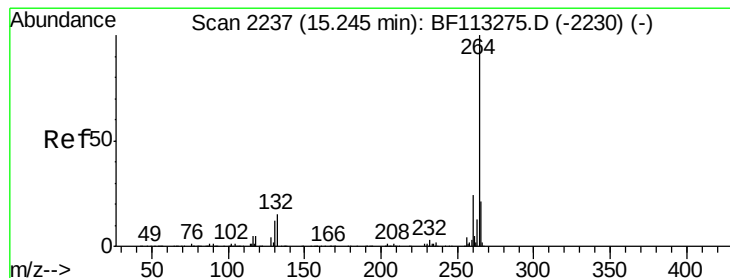
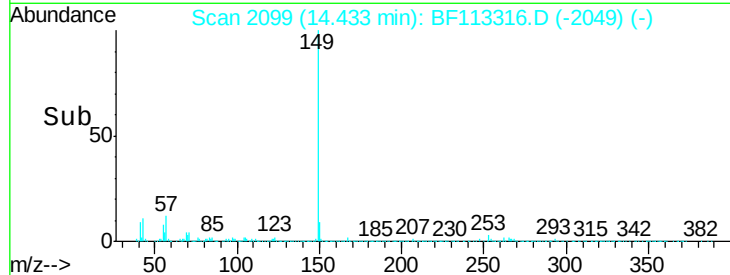
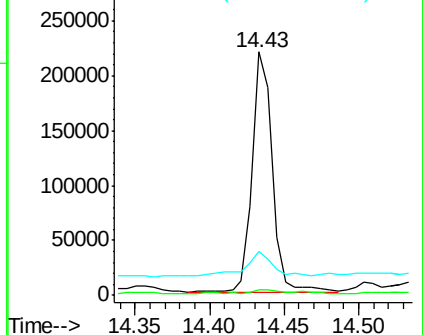
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113316.D

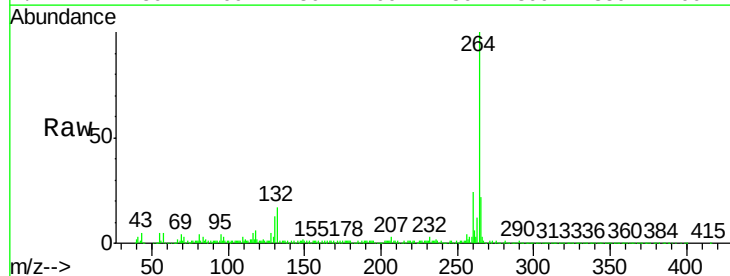
Acq: 27 Mar 2019 3:16

Tgt Ion:264 Resp: 388867
Ion Ratio Lower Upper

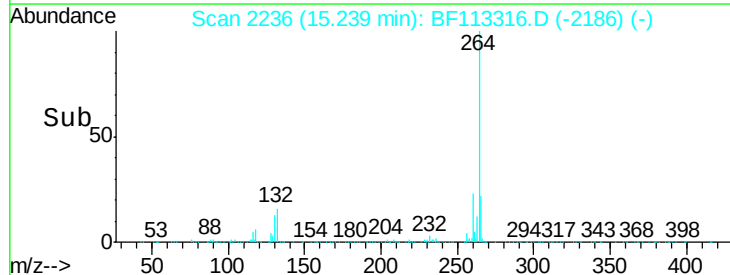
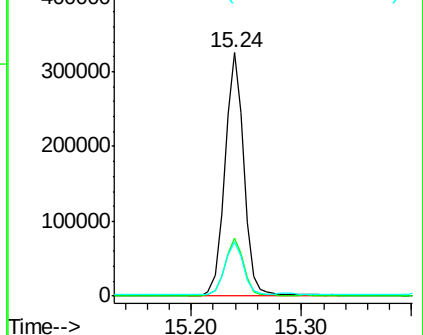
264 100

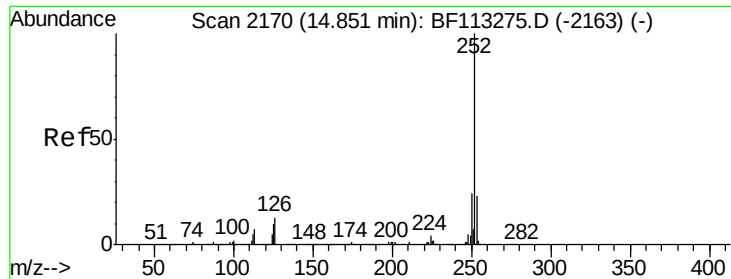
260 23.7 19.1 28.7

265 22.2 17.1 25.7



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





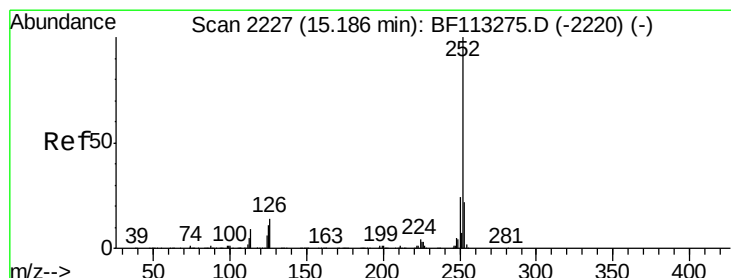
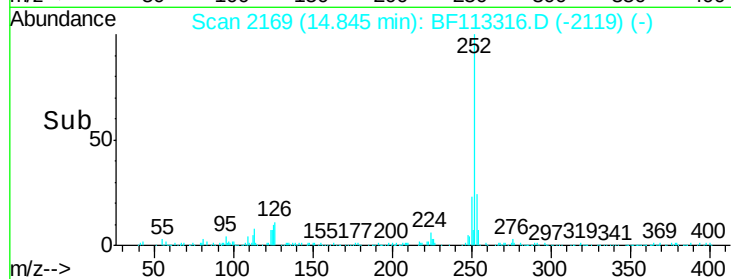
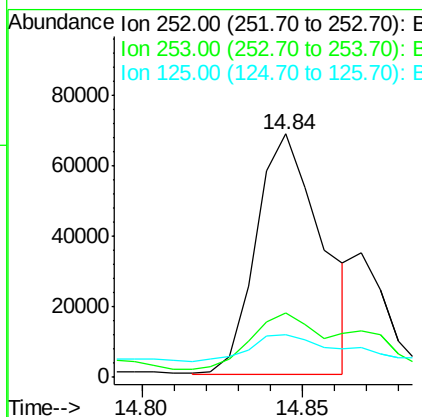
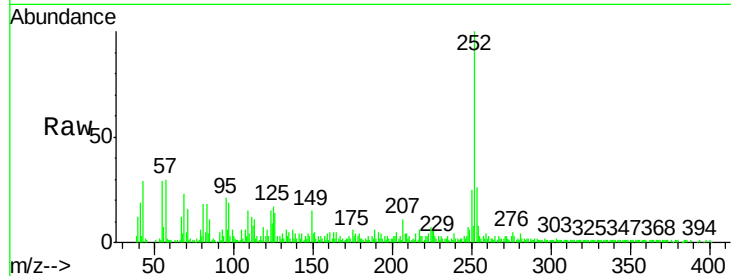
#88
Benzo(b)fluoranthene
Concen: 4.052 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113316.D
Acq: 27 Mar 2019 3:16

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-BRE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.0	27.0
125	17.5	7.6	11.4

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#90
Benzo(a)pyrene
Concen: 3.120 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113316.D
Acq: 27 Mar 2019 3:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.9	26.9
125	18.0	8.8	13.2

