

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070519\
 Data File : BF115392.D
 Acq On : 5 Jul 2019 16:50
 Operator : HP/JU
 Sample : K3624-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-070319-D

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Quant Time: Jul 06 06:27:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 05 14:57:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	157541	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	632117	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	318239	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	626854	20.00	ng	0.00
76) Chrysene-d12	14.04	240	391822	20.00	ng	-0.02
87) Perylene-d12	15.52	264	448087	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	903572	88.61	ng	0.00
7) Phenol-d6	6.52	99	1195499	92.19	ng	0.00
23) Nitrobenzene-d5	7.45	82	739897	69.16	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	341760	97.13	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1321475	72.87	ng	0.00
79) Terphenyl-d14	13.00	244	1422389	74.33	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.64	163	181423	7.595	ng	98
71) Phenanthrene	11.43	178	114012	3.458	ng	98
75) Fluoranthene	12.62	202	320431	9.231	ng	95
78) Pyrene	12.84	202	307967	10.107	ng	98
81) Benzo(a)anthracene	14.03	228	146559	5.838	ng	98
83) Chrysene	14.07	228	163633	6.344	ng	98
88) Benzo(b)fluoranthene	15.08	252	226013m	7.747	ng	
89) Benzo(k)fluoranthene	15.11	252	85894m	3.310	ng	
90) Benzo(a)pyrene	15.44	252	161874	6.433	ng	# 97
92) Benzo(g,h,i)perylene	17.42	276	110185	5.414	ng	97

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

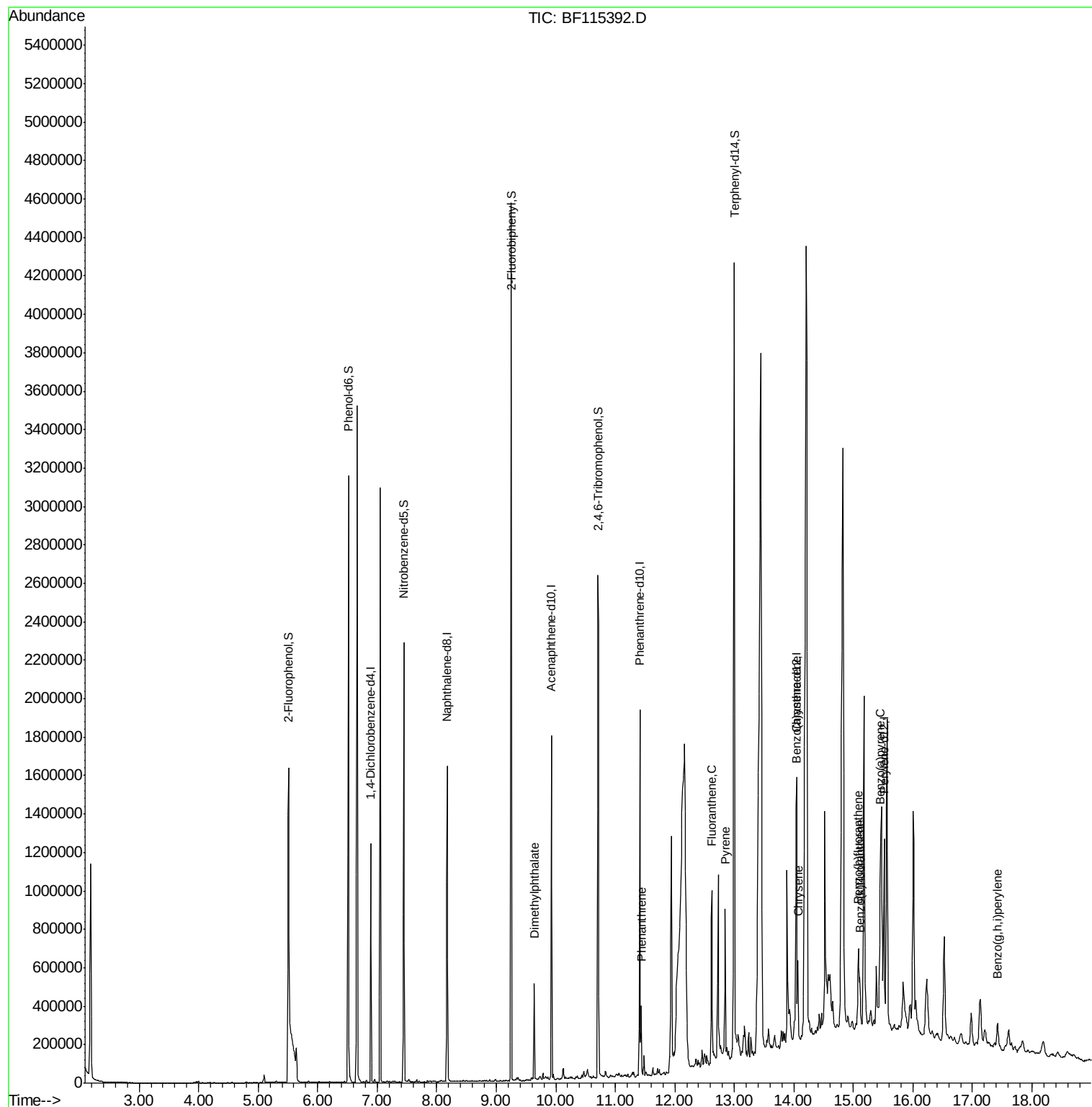
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070519\
Data File : BF115392.D
Acq On : 5 Jul 2019 16:50
Operator : HP/JU
Sample : K3624-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

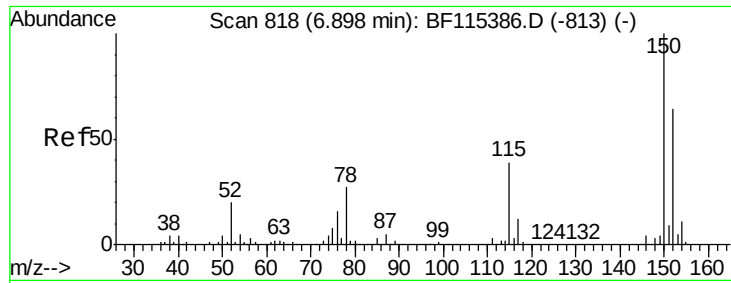
Instrument :
BNA_F
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PL-01-070319-D

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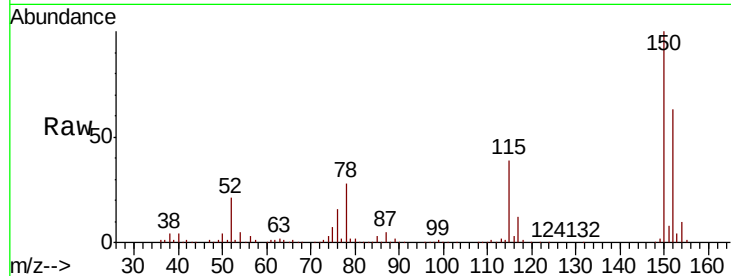
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF115392.D
 Acq: 5 Jul 2019 16:50

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-070319-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.7	187.1
115	62.5	48.1	72.1

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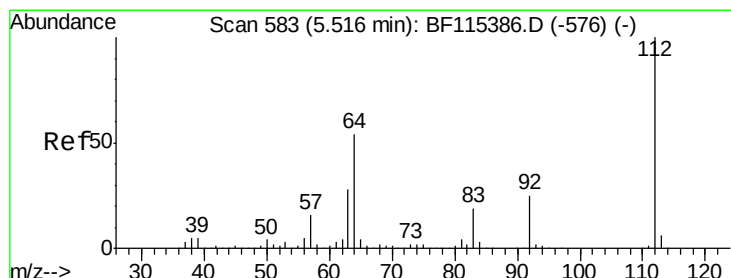
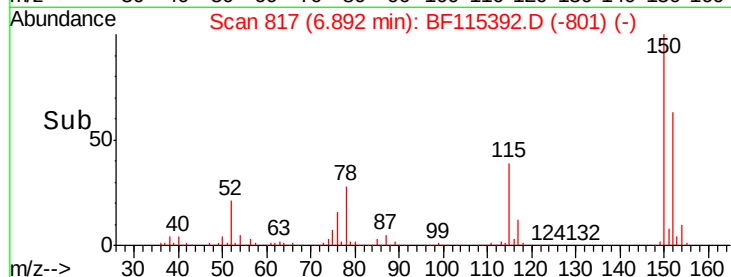
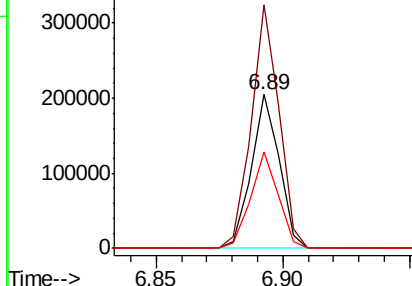


Abundance

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: 88.615 ng
 RT: 5.51 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: BF115392.D
 Acq: 5 Jul 2019 16:50

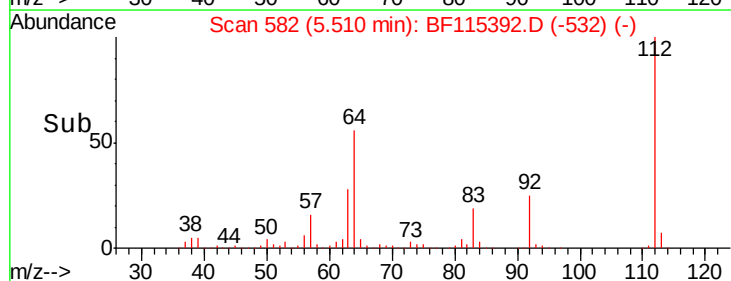
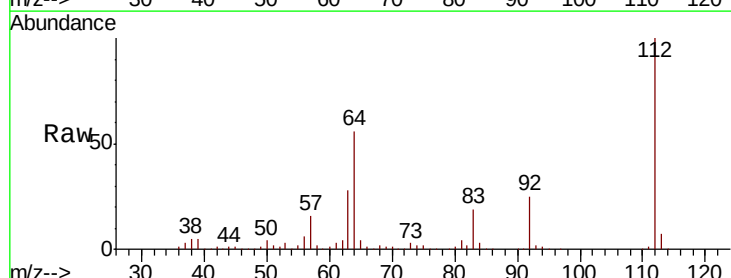
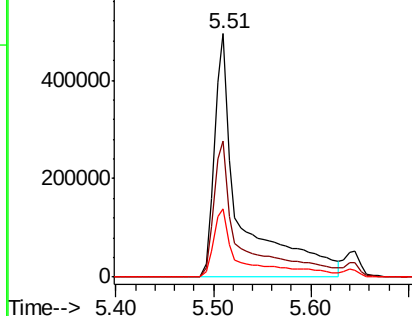
Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	43.0	64.6
63	28.1	22.2	33.2

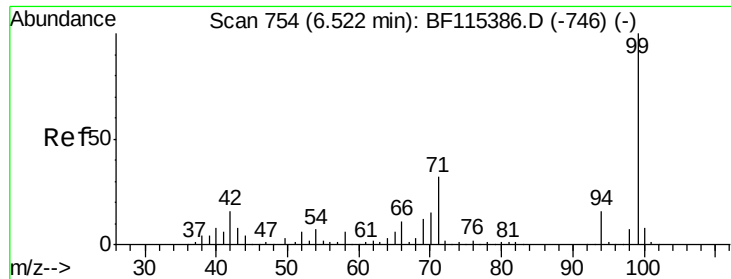
Abundance

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: 92.188 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF115392.D

Acq: 5 Jul 2019 16:50

Instrument :

BNA_F

ClientSampleId :

PL-01-070319-D

Tot Ion: 99 Resp: 1195499

Ion Ratio Lower Upper

99 100

42 16.9 13.1 19.7

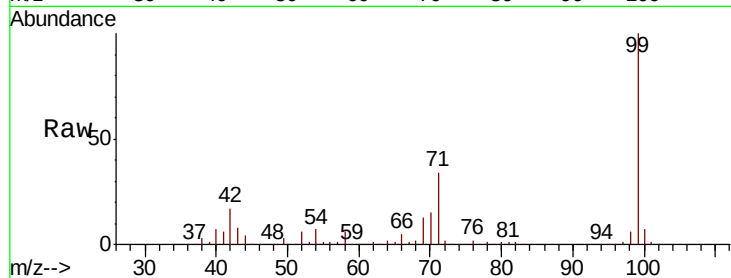
71 33.7 25.9 38.9

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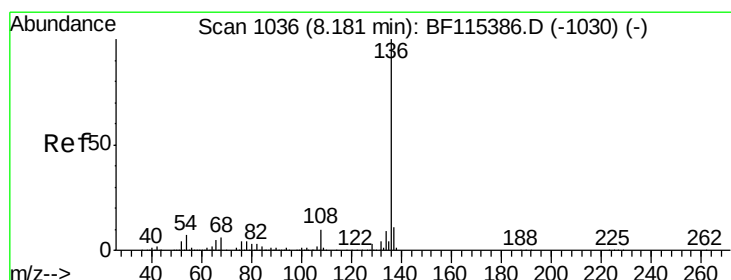
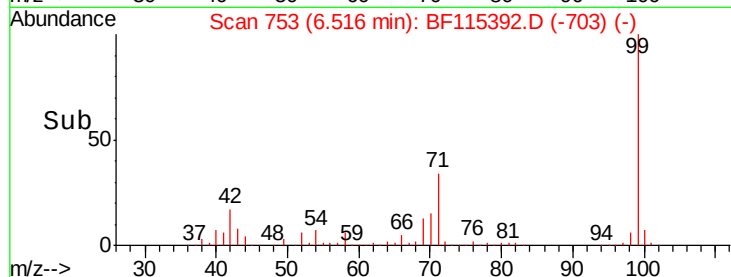
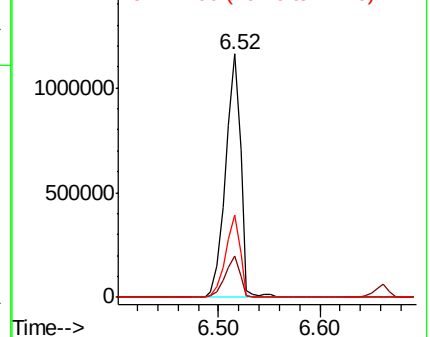
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF115392.D

Acq: 5 Jul 2019 16:50

Tgt Ion: 136 Resp: 632117

Ion Ratio Lower Upper

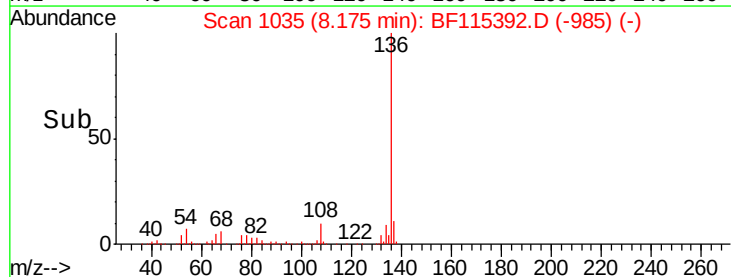
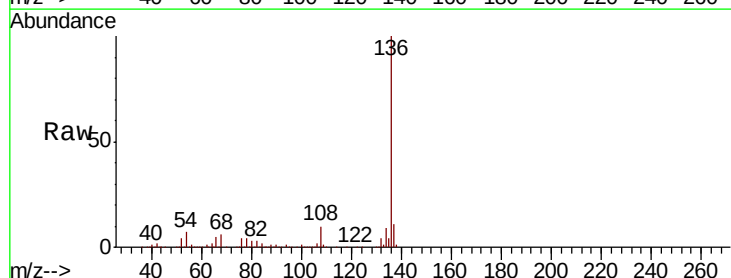
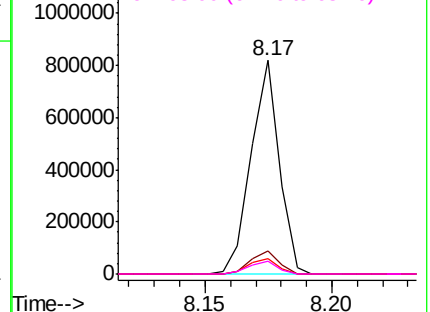
136 100

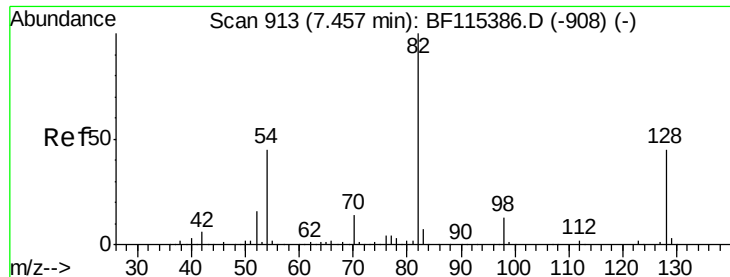
137 11.0 8.9 13.3

54 7.1 5.6 8.4

68 6.3 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





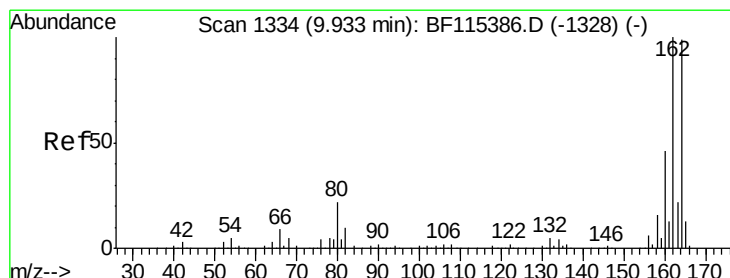
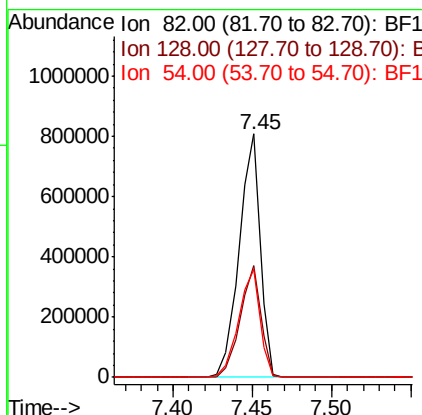
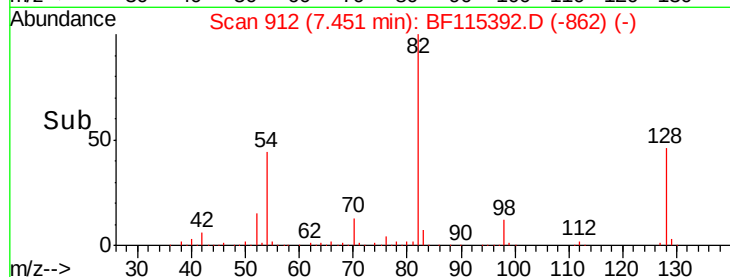
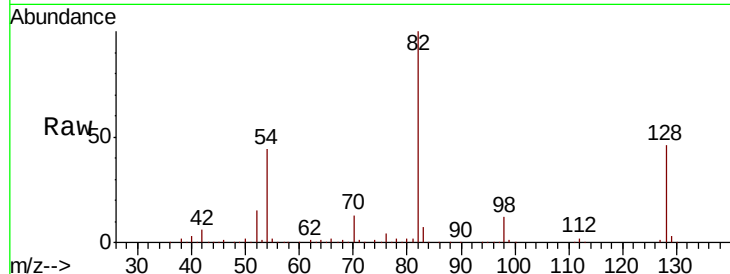
#23
 Nitrobenzene-d5
 Concen: 69.157 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF115392.D
 Acq: 5 Jul 2019 16:50

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-070319-D

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.9	35.7	53.5
54	44.1	36.3	54.5

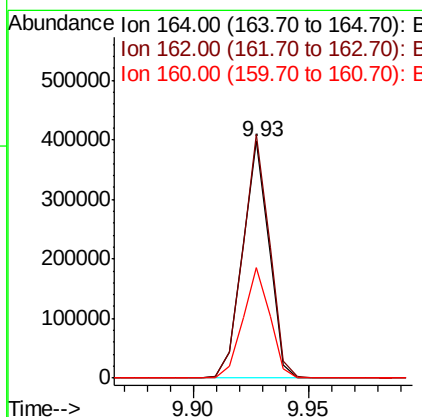
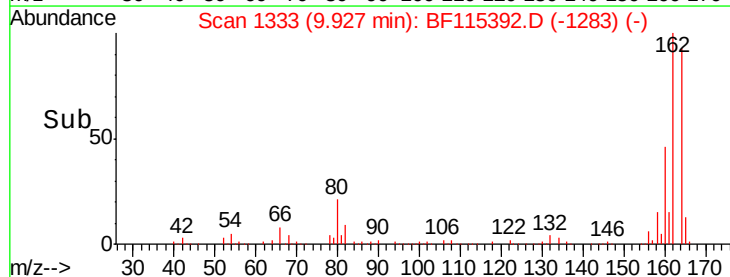
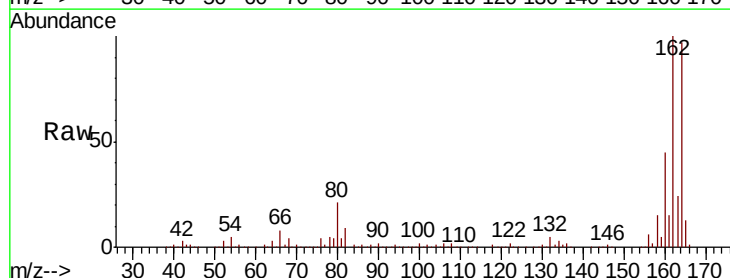
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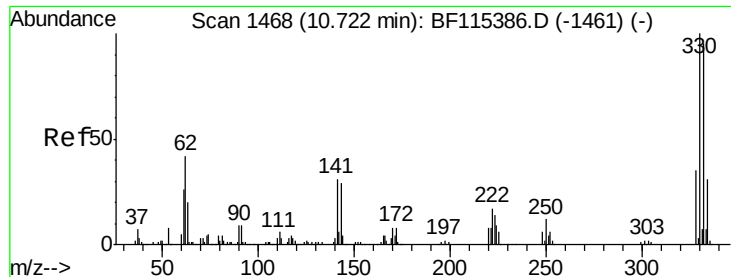
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF115392.D
 Acq: 5 Jul 2019 16:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	80.6	121.0
160	46.6	37.0	55.6





#42

2,4,6-Tribromophenol

Concen: 97.128 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF115392.D

Acq: 5 Jul 2019 16:50

Instrument :

BNA_F

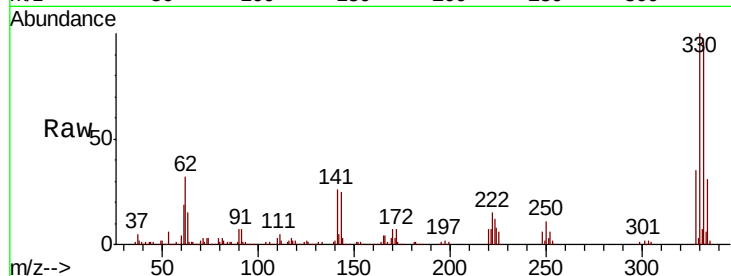
ClientSampleId :

PL-01-070319-D

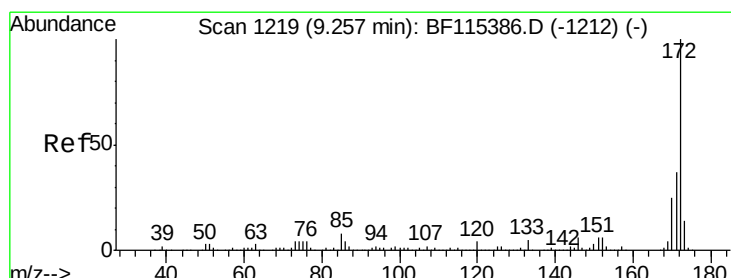
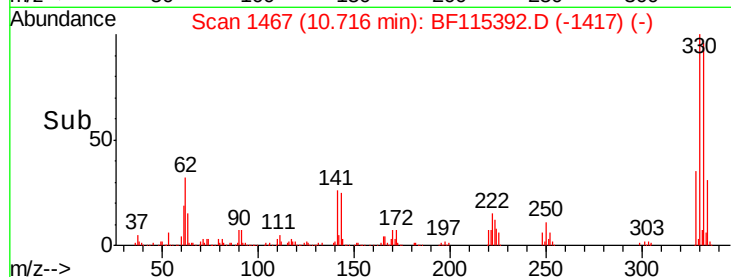
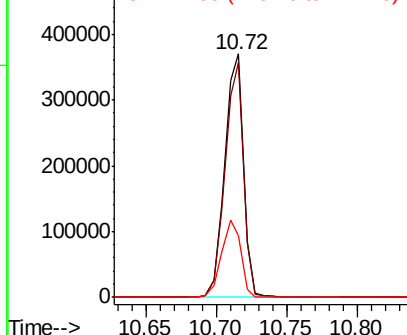
Tot Ion:	330	Resp:	341760
Ion Ratio	Lower	Upper	
330	100		
332	95.1	76.3	114.5
141	33.1	27.0	40.4

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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: 72.865 ng

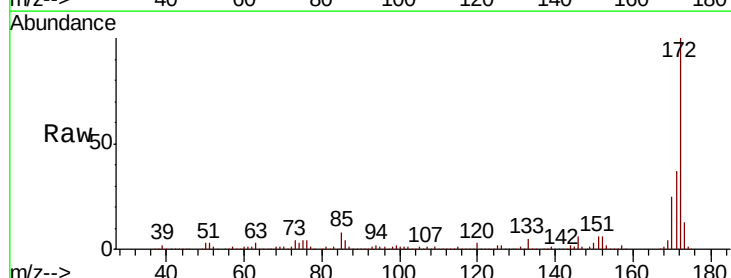
RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

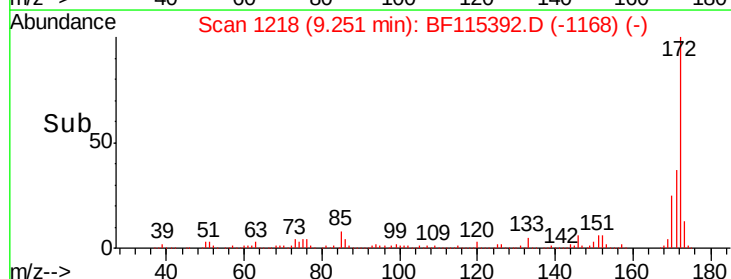
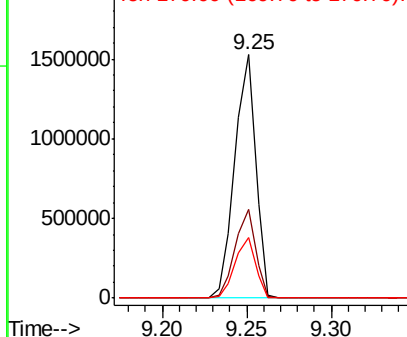
Lab File: BF115392.D

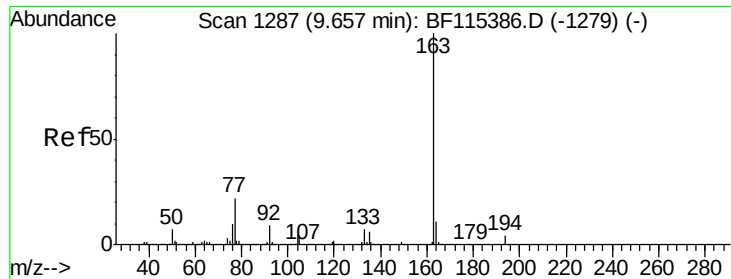
Acq: 5 Jul 2019 16:50

Tgt Ion:	172	Resp:	1321475
Ion Ratio	Lower	Upper	
172	100		
171	36.6	29.8	44.8
170	24.8	20.2	30.4



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





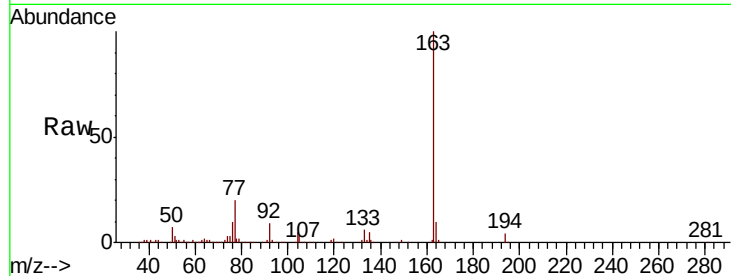
#50
Dimethylphthalate
Concen: 7.595 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF115392.D
Acq: 5 Jul 2019 16:50

Instrument :
BNA_F
ClientSampleId :
PL-01-070319-D

Tot Ion	Ratio	Resp	Lower	Upper
163	100	181423		
194	3.7	3.2	4.8	
164	9.9	8.5	12.7	

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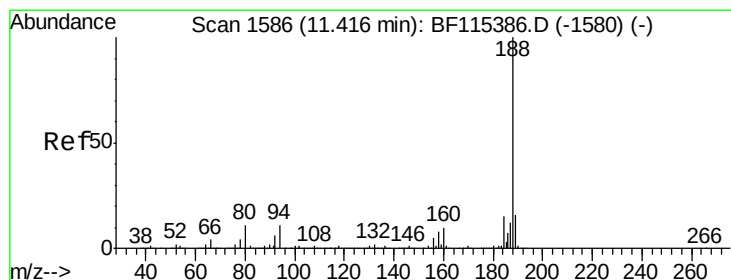
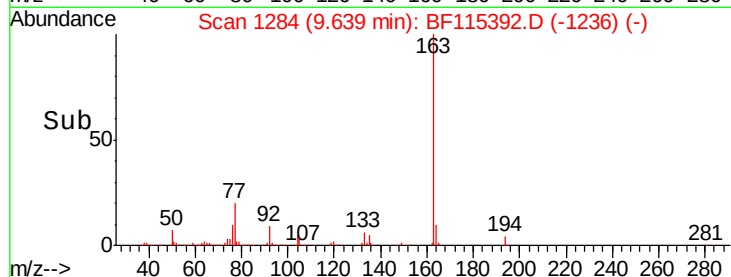
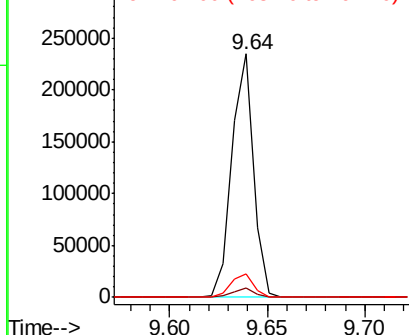


Abundance

Ion 163.00 (162.70 to 163.70): E

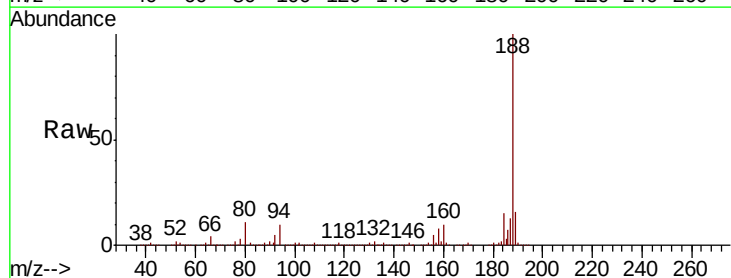
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF115392.D
Acq: 5 Jul 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	626854		
94	10.1	8.5	12.7	
80	11.0	9.1	13.7	

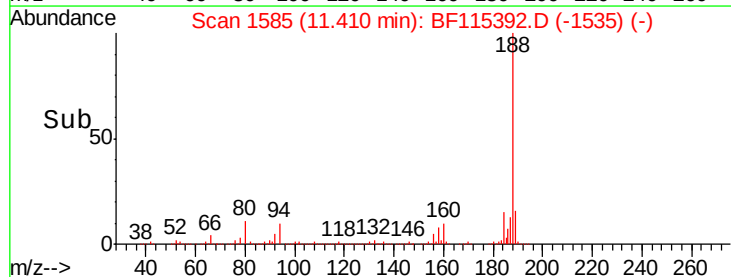
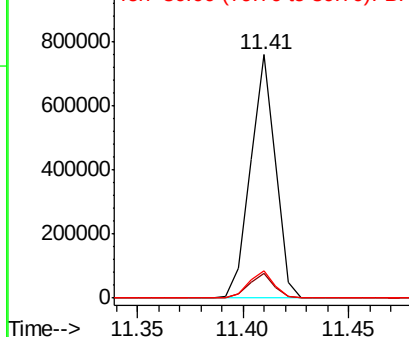


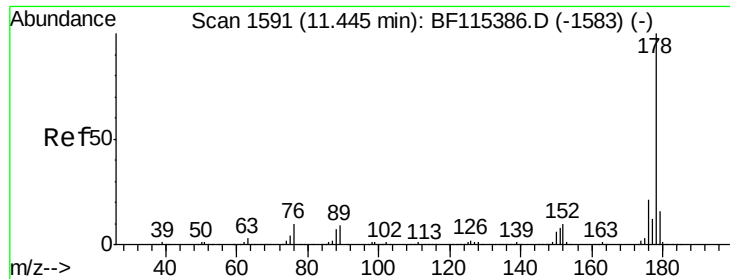
Abundance

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





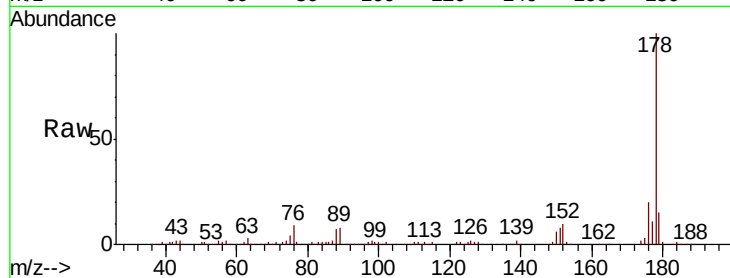
#71
Phenanthrene
Concen: 3.458 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF115392.D
Acq: 5 Jul 2019 16:50

Instrument :
BNA_F
ClientSampleId :
PL-01-070319-D

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.6	25.0
179	15.2	13.0	19.6

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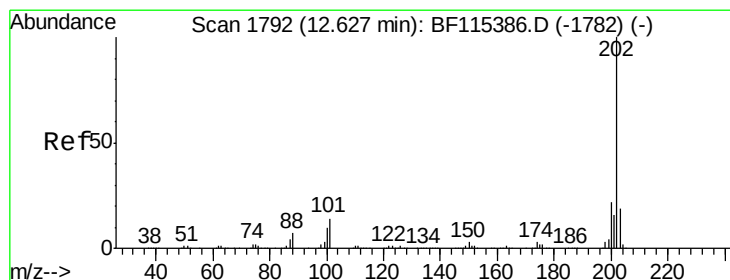
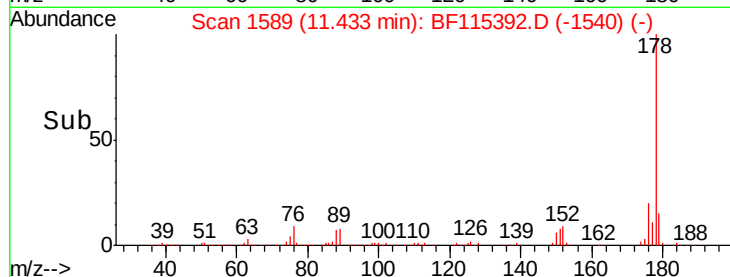
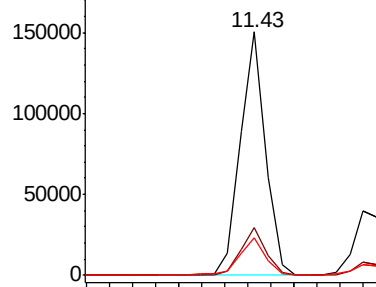


Abundance

Ion 178.00 (177.70 to 178.70): E

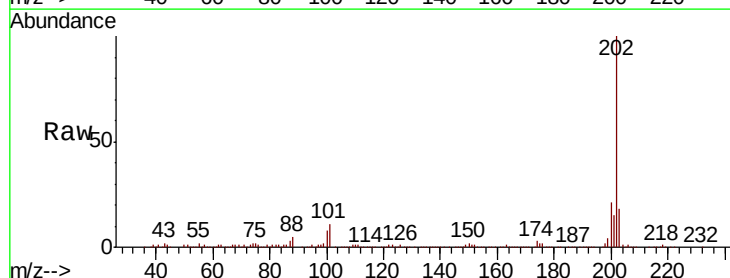
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 9.231 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF115392.D
Acq: 5 Jul 2019 16:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	34.0
203	17.6	0.0	38.5

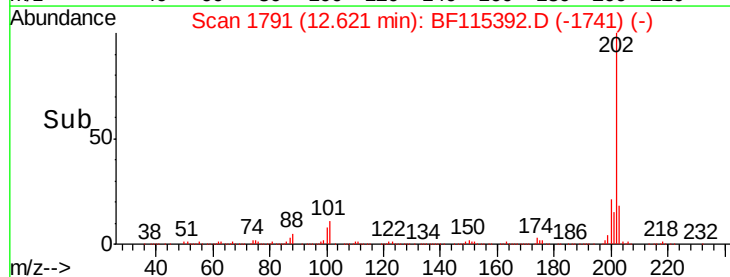
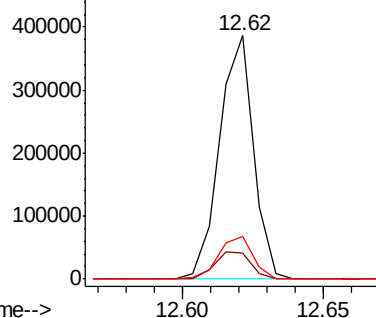


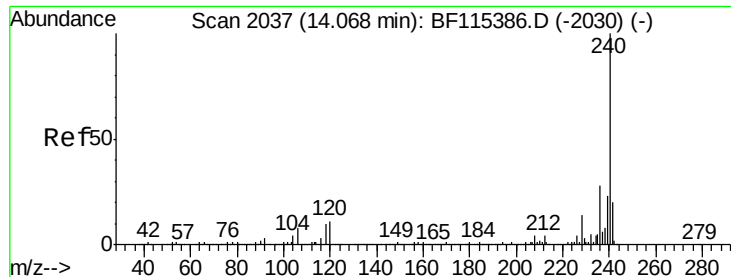
Abundance

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: 14.04 min Scan# 2033

Delta R.T. -0.02 min

Lab File: BF115392.D

Acq: 5 Jul 2019 16:50

Instrument :

BNA_F

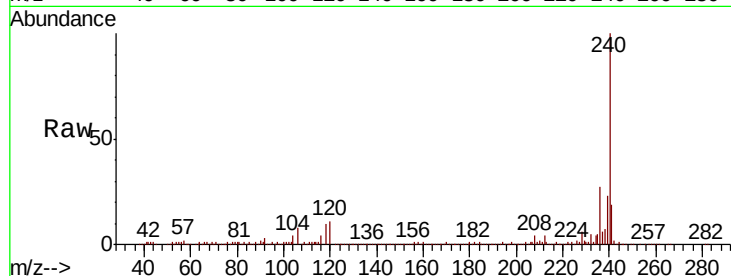
ClientSampleId :

PL-01-070319-D

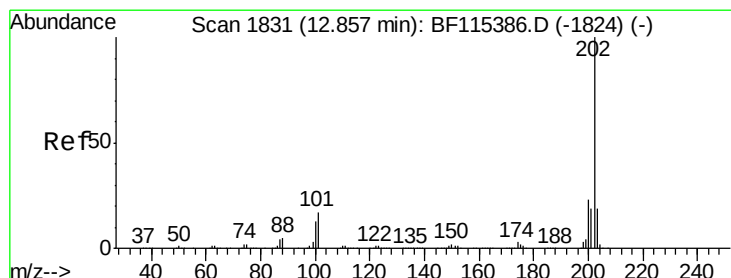
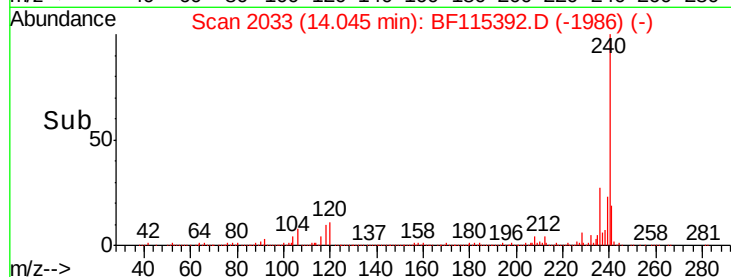
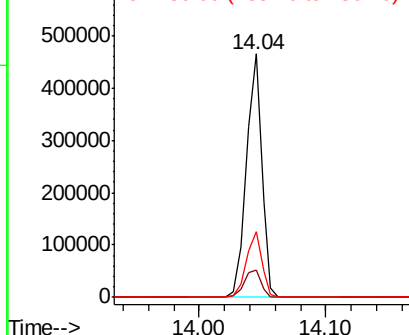
Tot Ion:	240	Resp:	391822
Ion Ratio	Lower	Upper	
240	100		
120	11.2	9.1	13.7
236	26.8	22.5	33.7

Manual Integrations
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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: 10.107 ng

RT: 12.84 min Scan# 1829

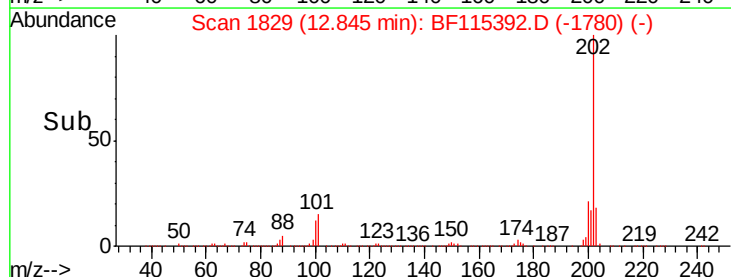
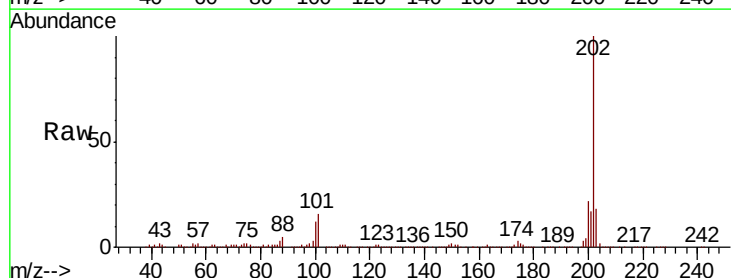
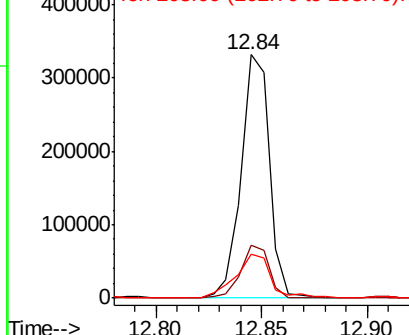
Delta R.T. -0.01 min

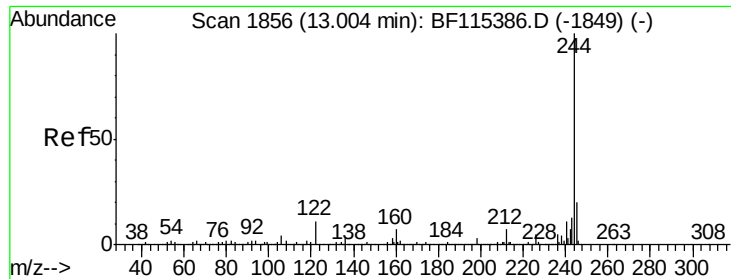
Lab File: BF115392.D

Acq: 5 Jul 2019 16:50

Tgt Ion:	202	Resp:	307967
Ion Ratio	Lower	Upper	
202	100		
200	21.6	18.2	27.4
203	18.3	14.8	22.2

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





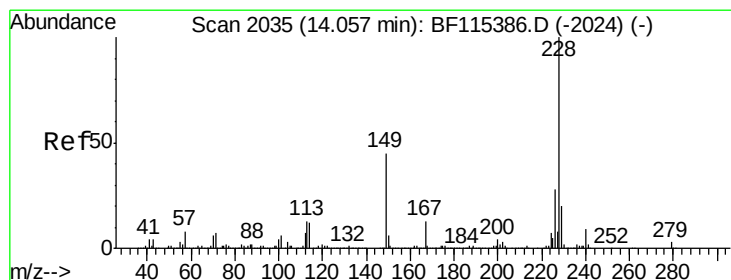
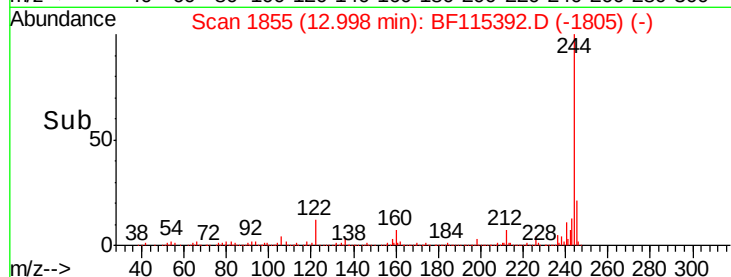
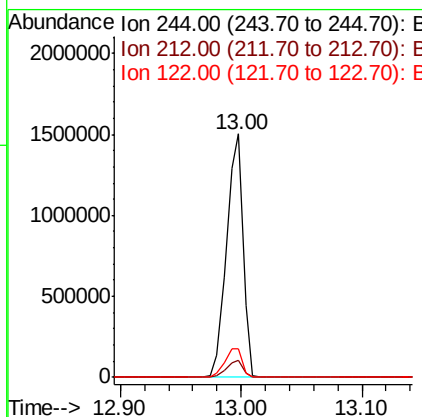
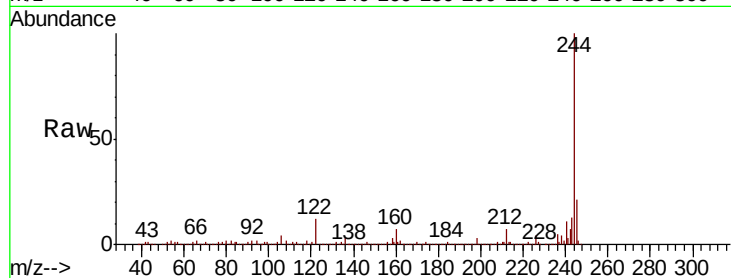
#79
 Terphenyl-d14
 Concen: 74.328 ng
 RT: 13.00 min Scan# 1856
 Delta R.T. -0.01 min
 Lab File: BF115392.D
 Acq: 5 Jul 2019 16:50

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-070319-D

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	11.7	9.1	13.7

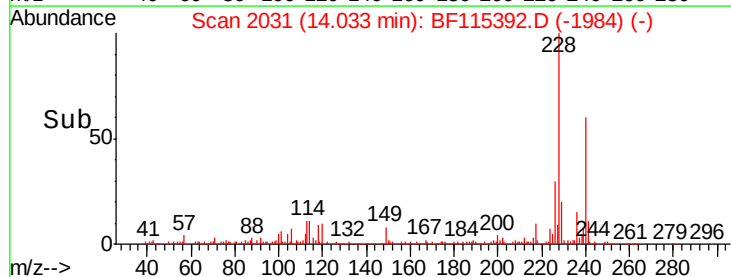
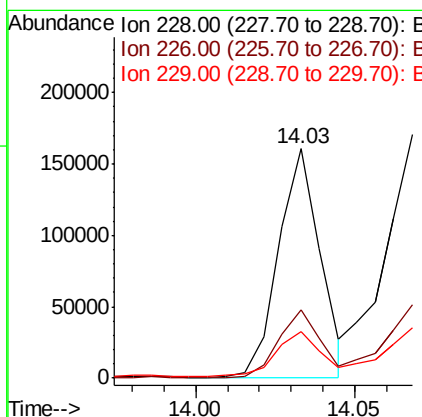
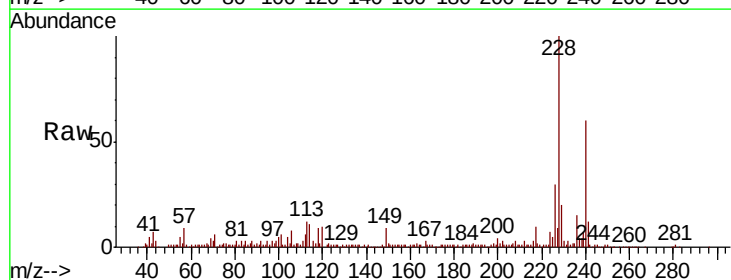
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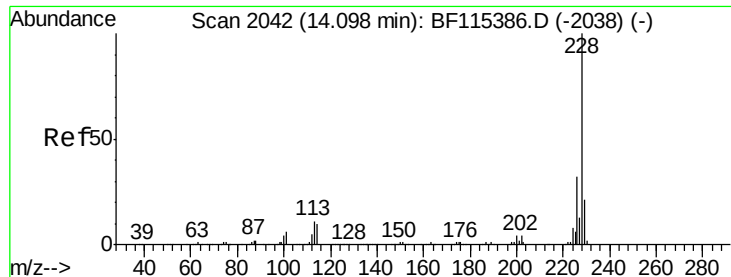
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#81
 Benzo(a)anthracene
 Concen: 5.838 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.02 min
 Lab File: BF115392.D
 Acq: 5 Jul 2019 16:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.7	34.1
229	20.4	16.3	24.5





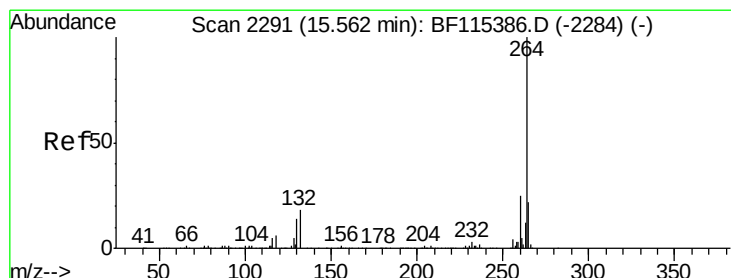
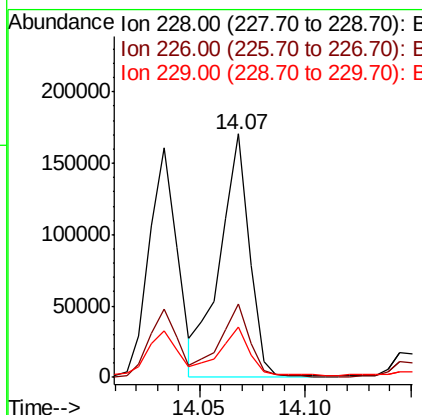
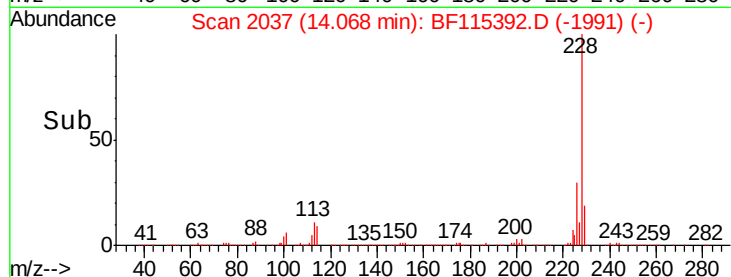
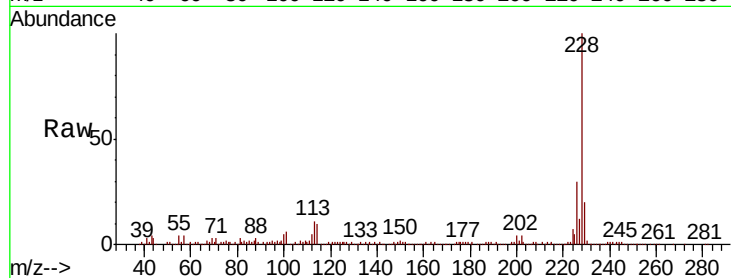
#83
Chrysene
Concen: 6.344 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.03 min
Lab File: BF115392.D
Acq: 5 Jul 2019 16:50

Instrument :
BNA_F
ClientSampleId :
PL-01-070319-D

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.7	38.5
229	20.5	16.6	25.0

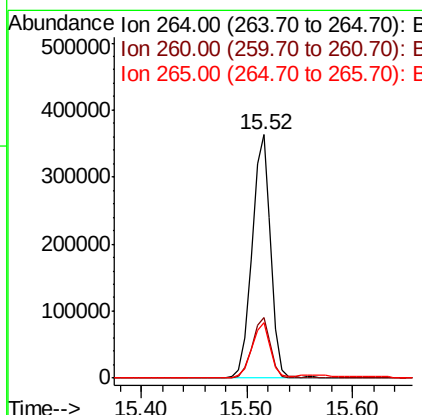
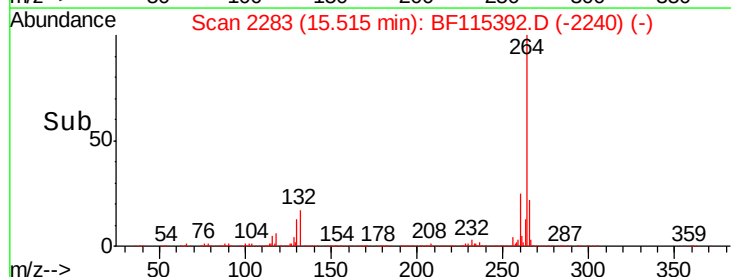
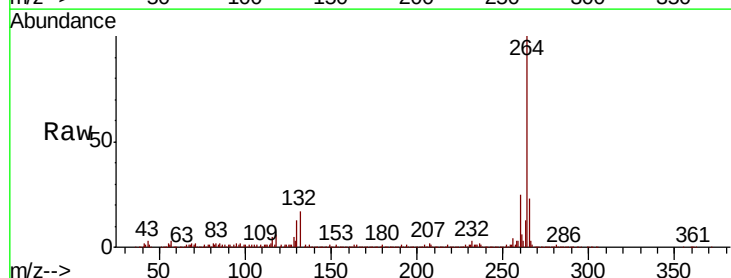
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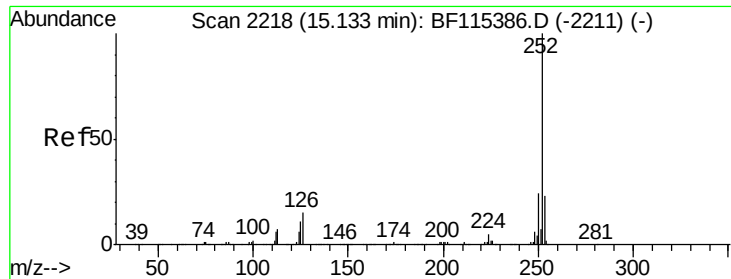
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.05 min
Lab File: BF115392.D
Acq: 5 Jul 2019 16:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.9	29.9
265	22.5	17.4	26.2





#88

Benzo(b)fluoranthene

Concen: 7.747 ng m

RT: 15.08 min Scan# 2209

Delta R.T. -0.05 min

Lab File: BF115392.D

Acq: 5 Jul 2019 16:50

Instrument :

BNA_F

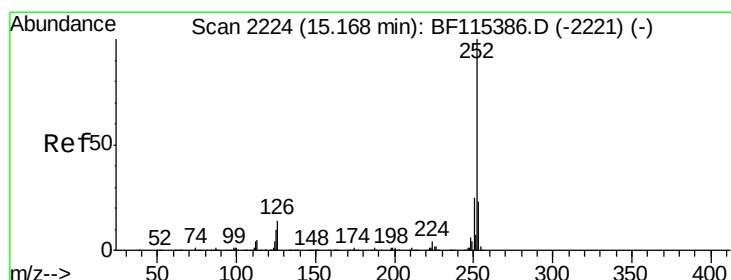
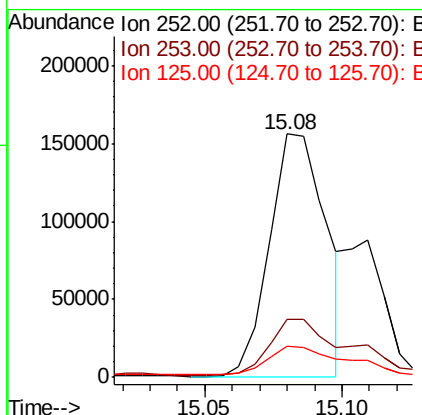
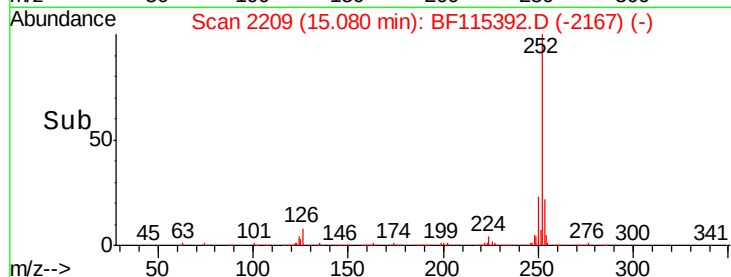
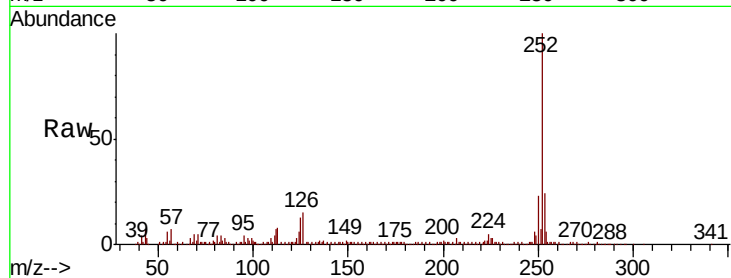
ClientSampleId :

PL-01-070319-D

Tot Ion:	252	Resp:	226013
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.1	27.1
125	12.7	9.0	13.6

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#89

Benzo(k)fluoranthene

Concen: 3.310 ng m

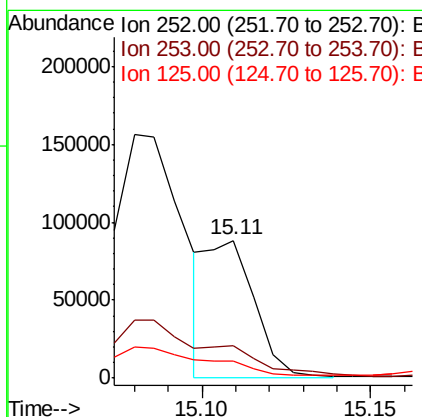
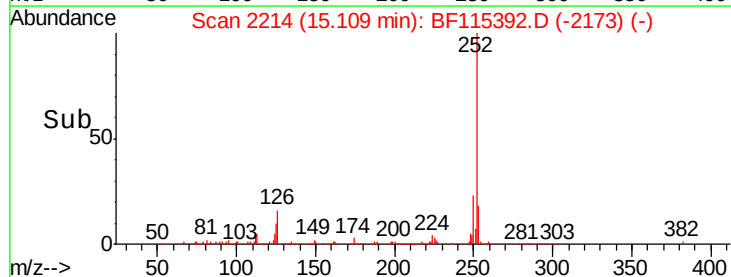
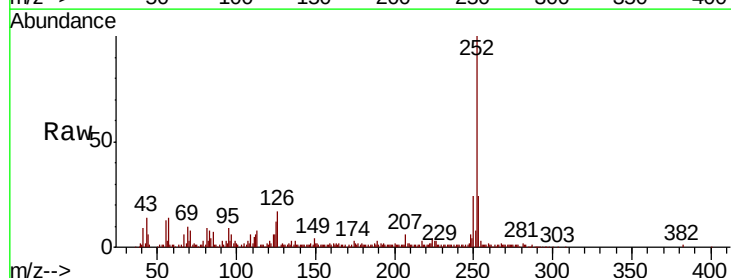
RT: 15.11 min Scan# 2214

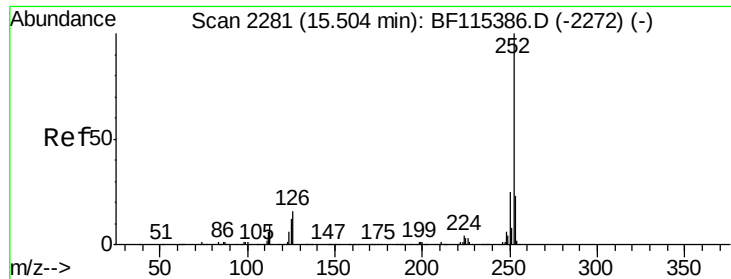
Delta R.T. -0.06 min

Lab File: BF115392.D

Acq: 5 Jul 2019 16:50

Tgt Ion:	252	Resp:	85894
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.3	27.5
125	12.0	8.3	12.5





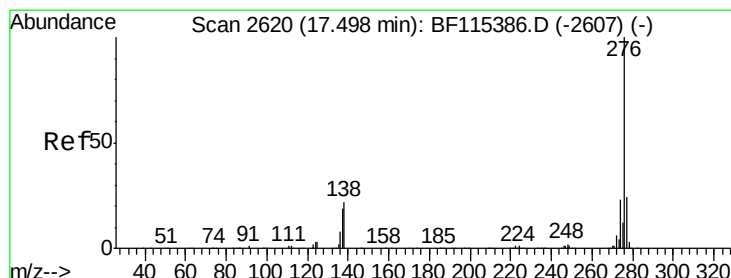
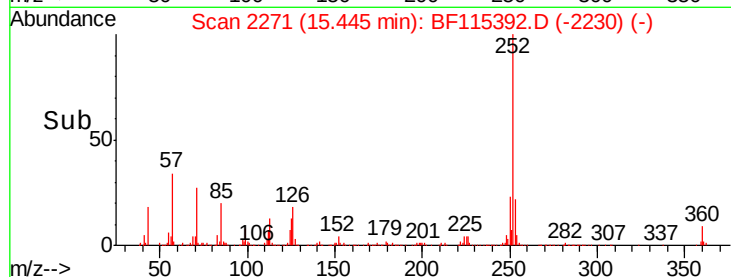
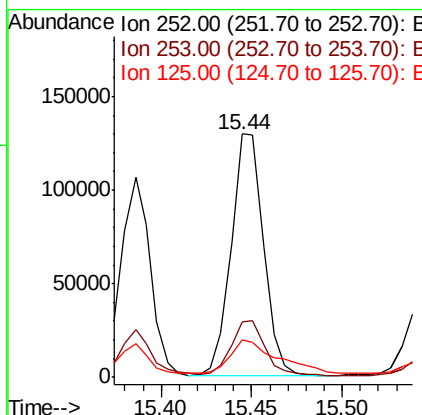
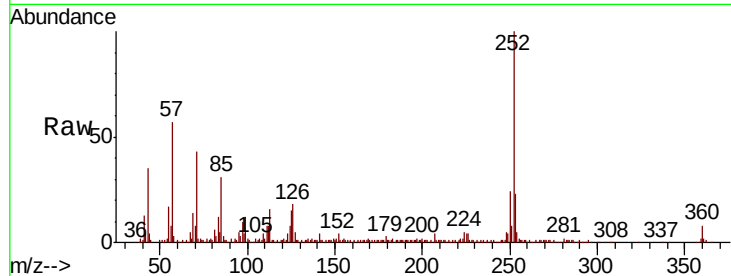
#90
Benzo(a)pyrene
Concen: 6.433 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.06 min
Lab File: BF115392.D
Acq: 5 Jul 2019 16:50

Instrument :
BNA_F
ClientSampleId :
PL-01-070319-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	15.4	10.0	15.0

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#92
Benzo(g,h,i)perylene
Concen: 5.414 ng
RT: 17.42 min Scan# 2607
Delta R.T. -0.08 min
Lab File: BF115392.D
Acq: 5 Jul 2019 16:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.4	29.2
138	23.9	17.8	26.6

