

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070519\
 Data File : BF115393.D
 Acq On : 5 Jul 2019 17:16
 Operator : HP/JU
 Sample : K3624-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Jul 06 05:42:29 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	165766	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	655234	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	320482	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	555923	20.00	ng	0.00
76) Chrysene-d12	14.04	240	386587	20.00	ng	-0.02
87) Perylene-d12	15.52	264	416433	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	813488	75.82	ng	0.00
7) Phenol-d6	6.52	99	1071181	78.50	ng	0.00
23) Nitrobenzene-d5	7.45	82	655729	59.13	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	264324	74.59	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	1174817	64.33	ng	0.00
79) Terphenyl-d14	13.00	244	1095894	58.04	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.64	163	152983	6.360	ng	98
71) Phenanthrene	11.43	178	169033	5.781	ng	98
75) Fluoranthene	12.62	202	396714	12.887	ng	96
78) Pyrene	12.85	202	371714	12.365	ng	98
81) Benzo(a)anthracene	14.03	228	213589	8.623	ng	98
83) Chrysene	14.07	228	203841	8.009	ng	97
88) Benzo(b)fluoranthene	15.09	252	311568m	11.491	ng	
89) Benzo(k)fluoranthene	15.11	252	98897m	4.101	ng	
90) Benzo(a)pyrene	15.45	252	198755	8.499	ng	100
92) Benzo(g,h,i)perylene	17.43	276	107383	5.677	ng	98

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

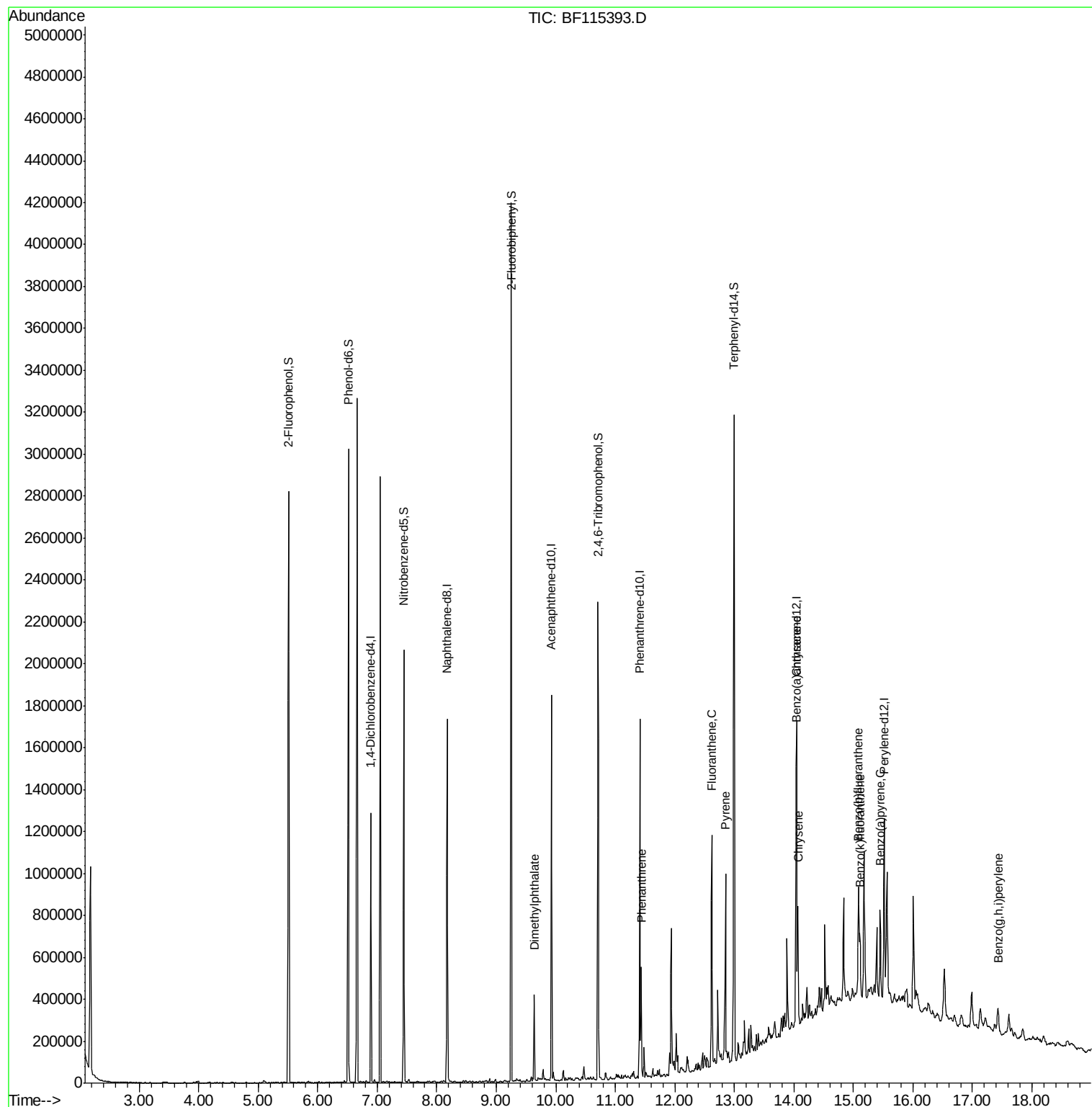
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070519\
Data File : BF115393.D
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Misc :
ALS Vial : 11 Sample Multiplier: 1

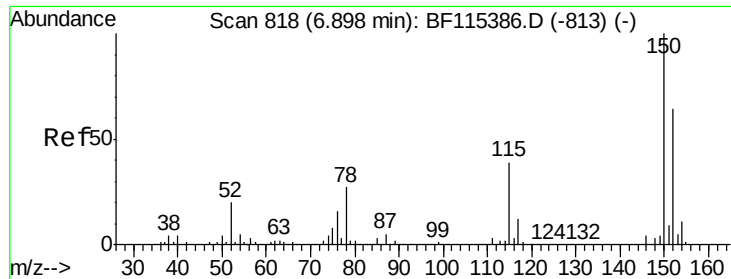
Instrument :
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PL-01-070319-B

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#1

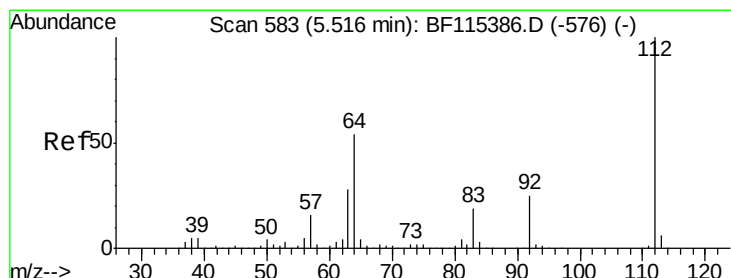
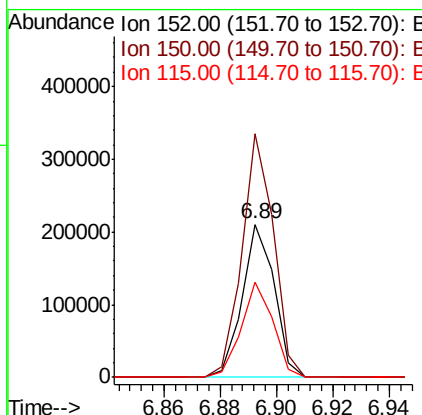
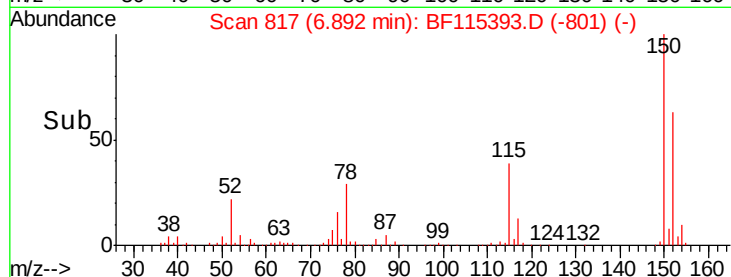
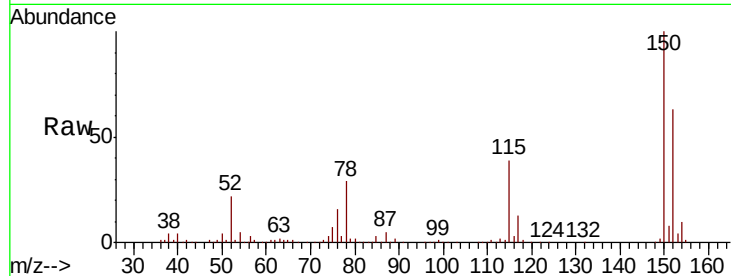
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF115393.D
Acq: 5 Jul 2019 17:16

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.7	187.1
115	62.2	48.1	72.1

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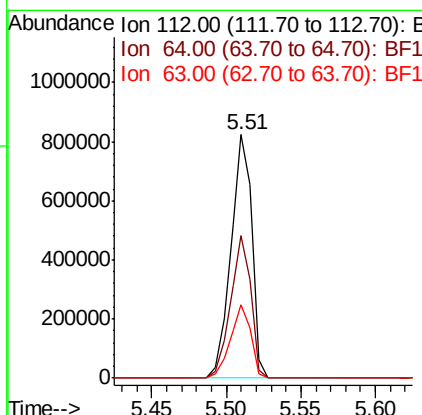
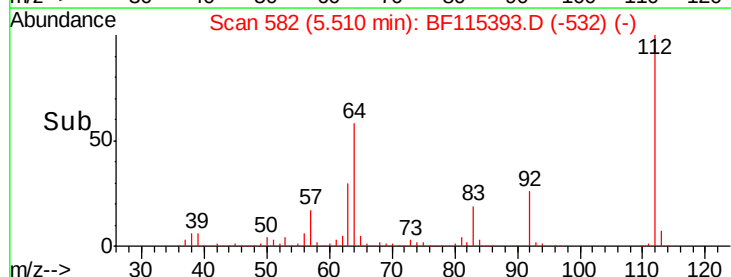
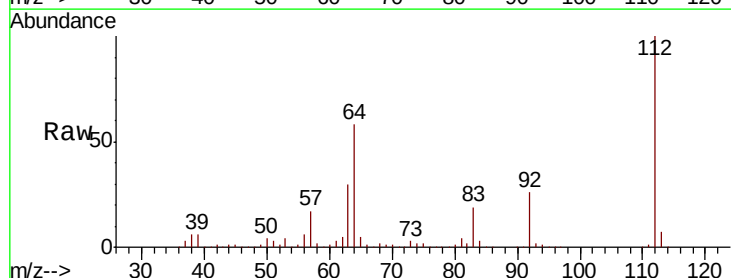
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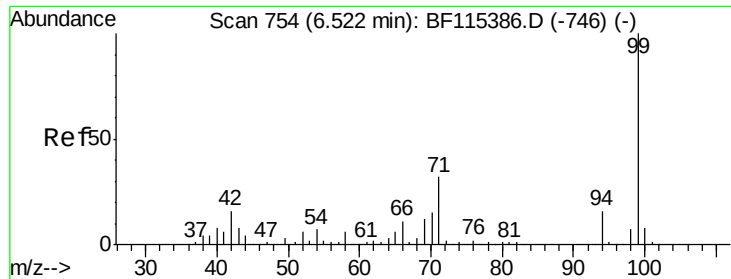


#5

2-Fluorophenol
Concen: 75.822 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF115393.D
Acq: 5 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	43.0	64.6
63	30.0	22.2	33.2





#7

Phenol-d6

Concen: 78.503 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF115393.D

Acq: 5 Jul 2019 17:16

Instrument :

BNA_F

ClientSampleId :

PL-01-070319-B

Tot Ion: 99 Resp: 1071181

Ion Ratio Lower Upper

99 100

42 16.4 13.1 19.7

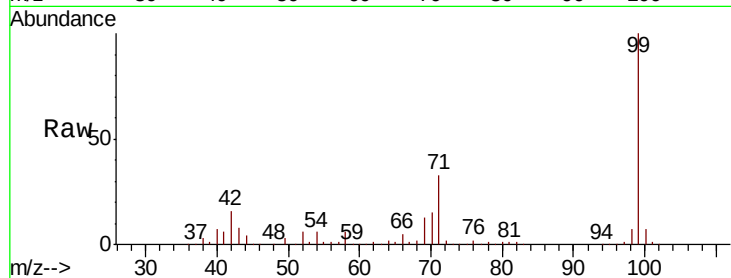
71 33.3 25.9 38.9

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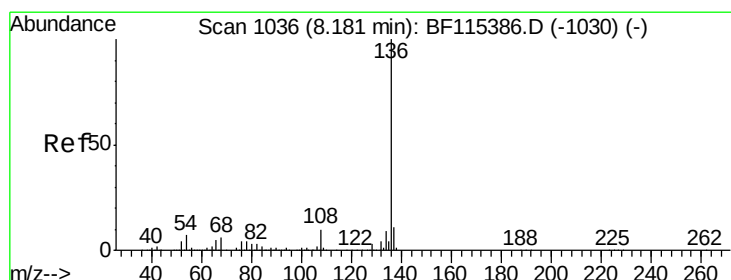
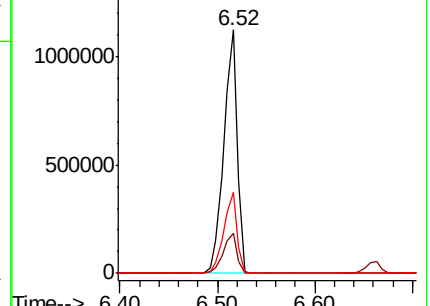
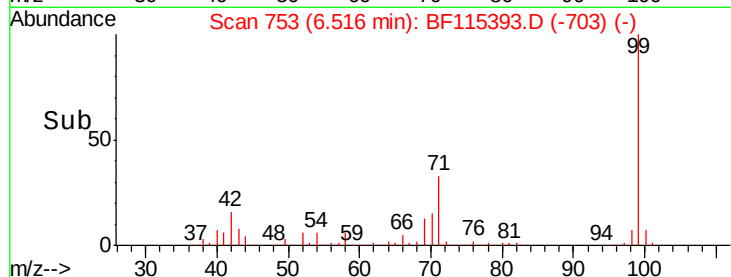
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: BF115393.D

Acq: 5 Jul 2019 17:16

Tgt Ion: 136 Resp: 655234

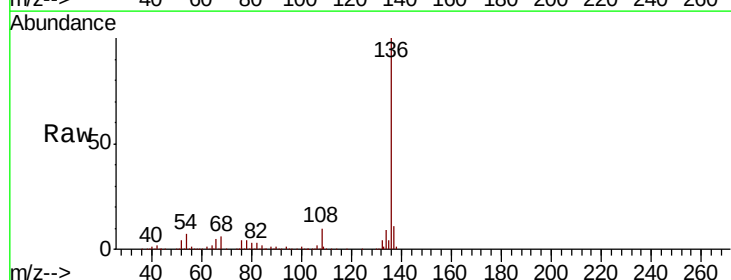
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.1 5.6 8.4

68 6.2 4.9 7.3

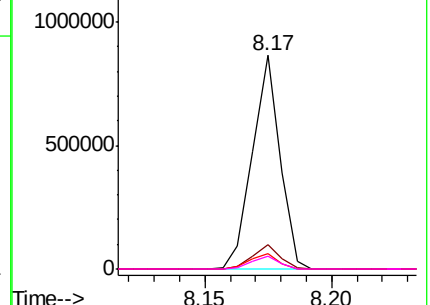
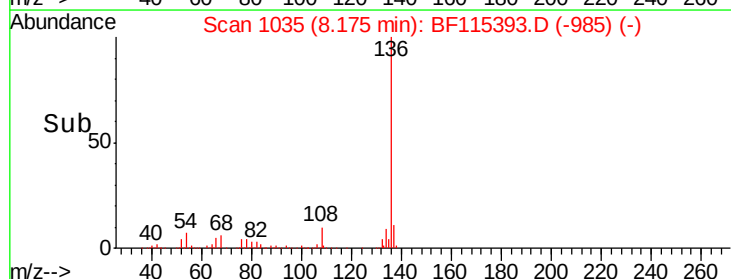


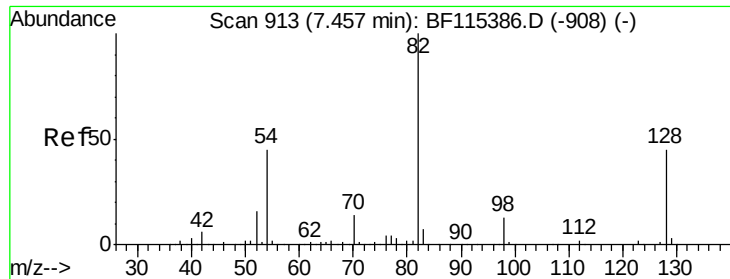
Abundance Ion 136.00 (135.70 to 136.70): E

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





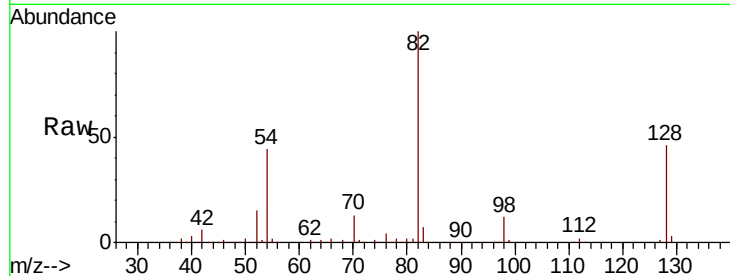
#23
Nitrobenzene-d5
Concen: 59.128 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF115393.D
Acq: 5 Jul 2019 17:16

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	35.7	53.5
54	44.2	36.3	54.5

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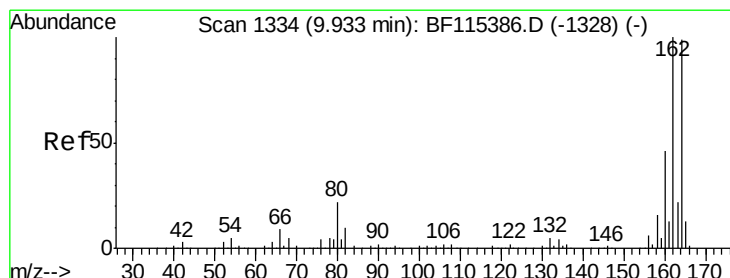
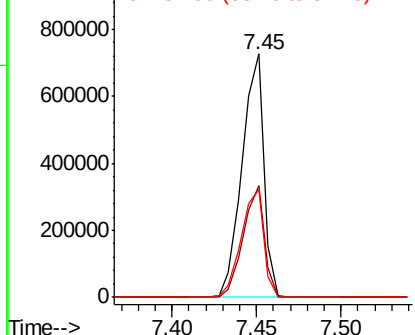
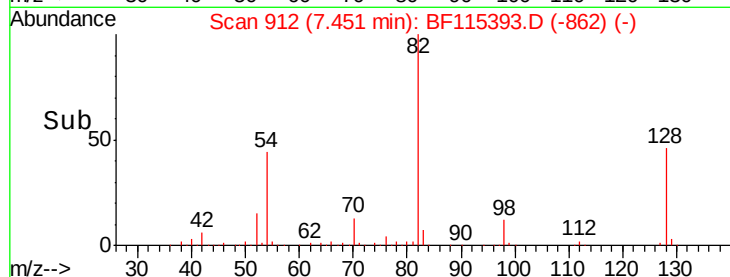


Abundance

Ion 82.00 (81.70 to 82.70): BF1

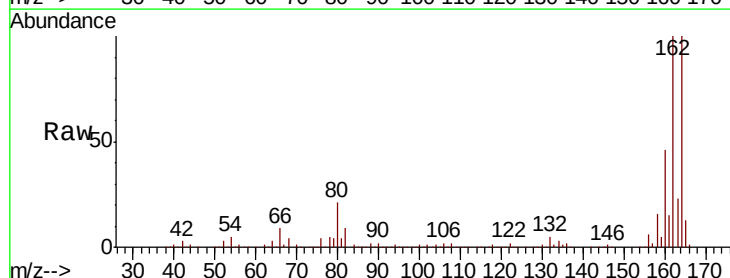
Ion 128.00 (127.70 to 128.70): E

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: BF115393.D
Acq: 5 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.6	121.0
160	46.0	37.0	55.6

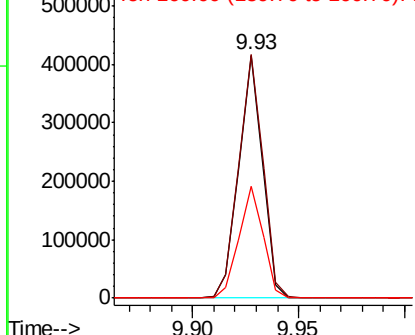
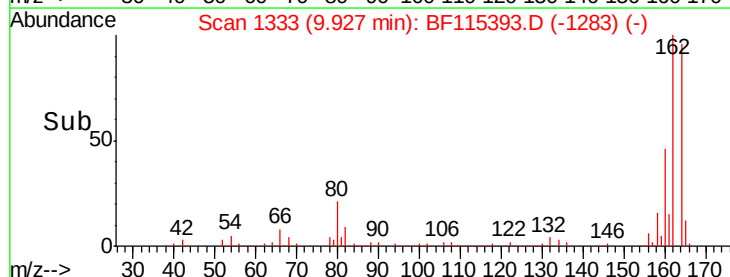


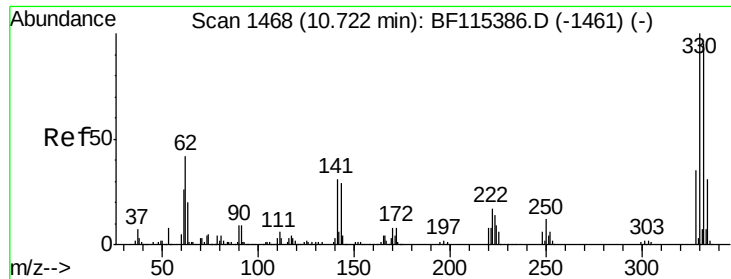
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





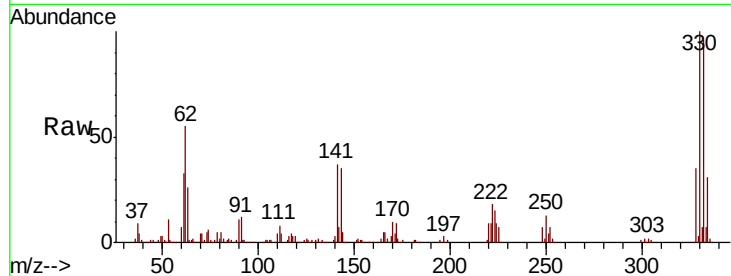
#42
 2,4,6-Tribromophenol
 Concen: 74.595 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF115393.D
 Acq: 5 Jul 2019 17:16

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.3	114.5
141	34.0	27.0	40.4

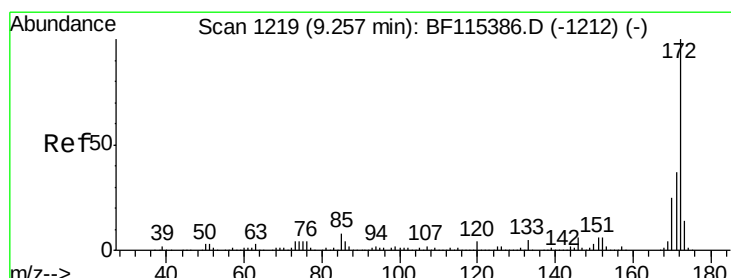
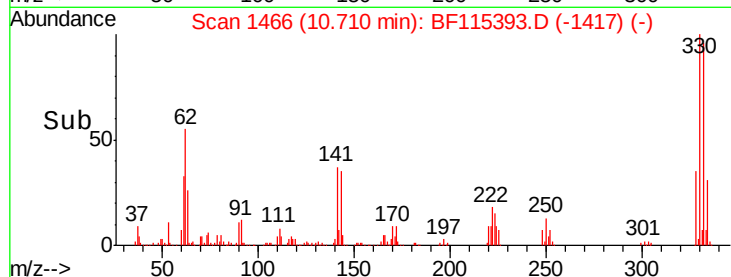
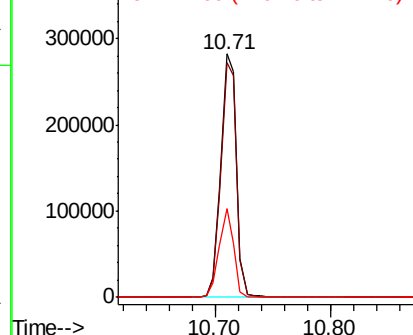
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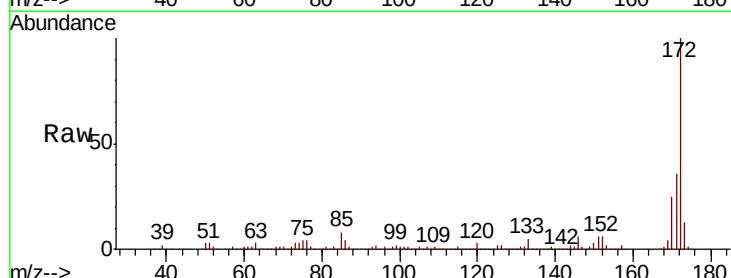
Abundance

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



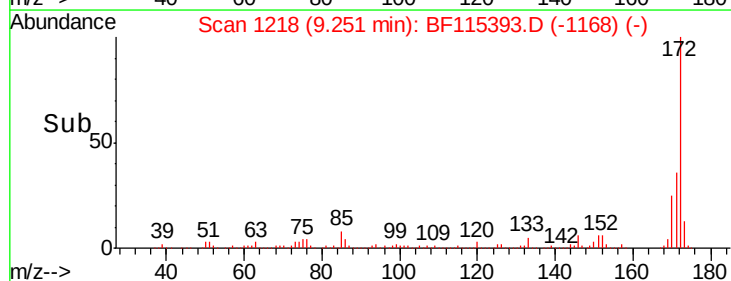
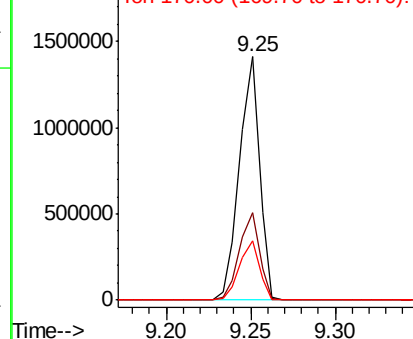
#45
 2-Fluorobiphenyl
 Concen: 64.325 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF115393.D
 Acq: 5 Jul 2019 17:16

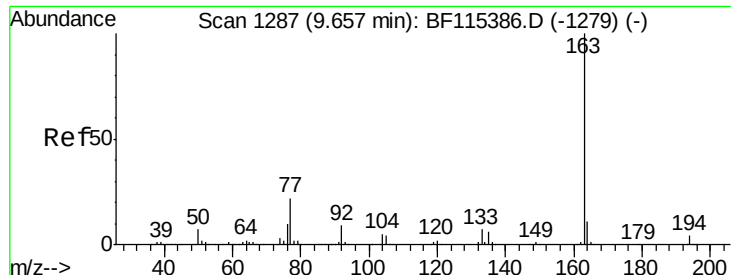
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.8	44.8
170	24.6	20.2	30.4



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





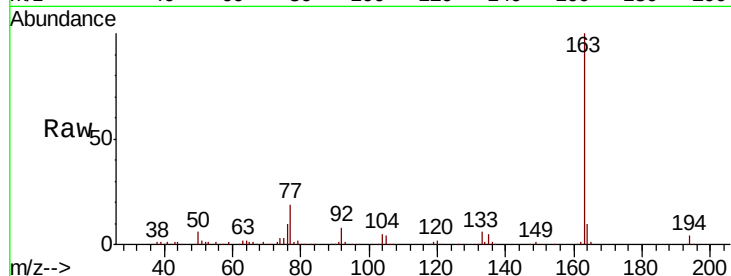
#50
Dimethylphthalate
Concen: 6.360 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF115393.D
Acq: 5 Jul 2019 17:16

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

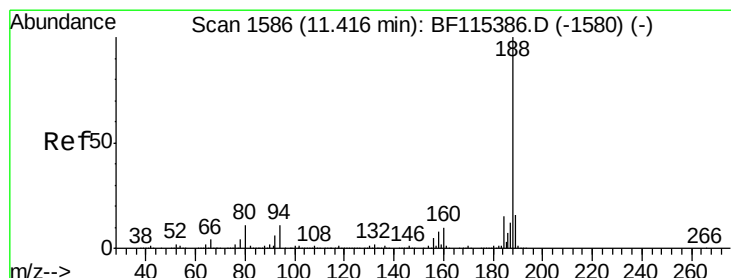
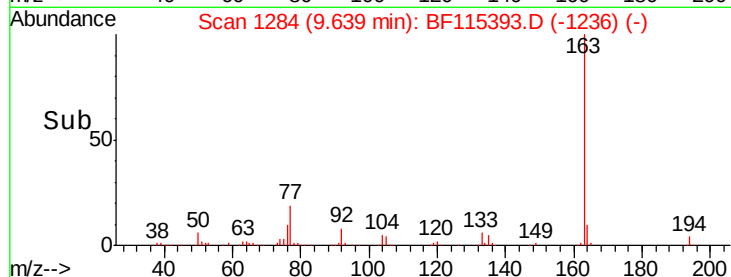
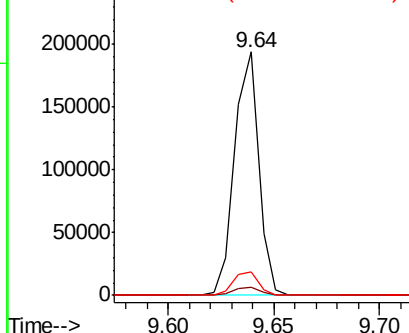
Tot Ion:	163	Resp:	152983
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.2	4.8
164	9.5	8.5	12.7

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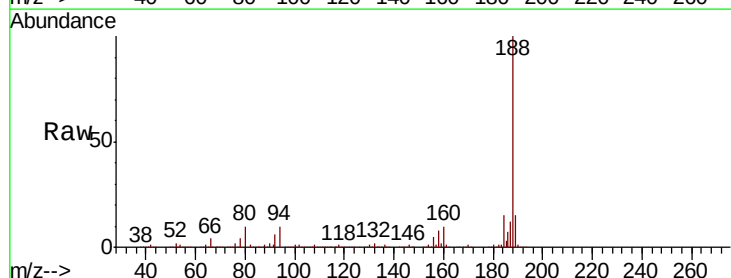


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

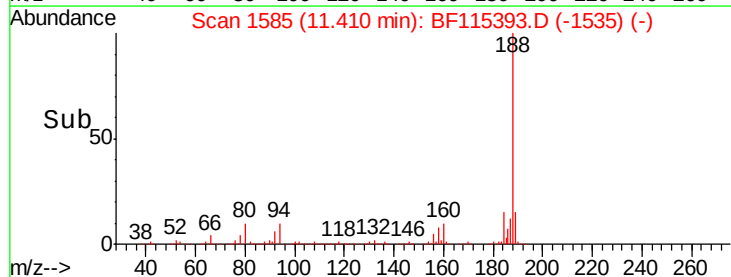
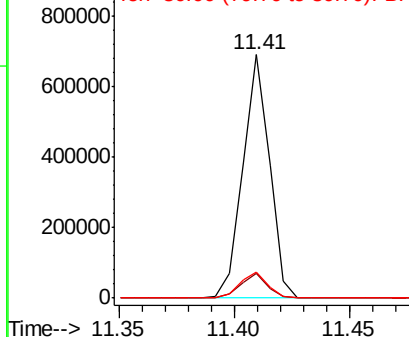


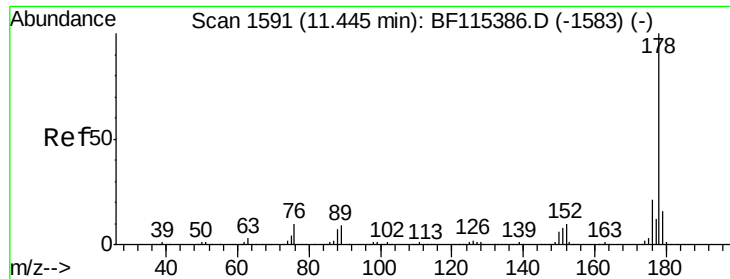
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF115393.D
Acq: 5 Jul 2019 17:16

Tgt Ion:	188	Resp:	555923
Ion Ratio	Lower	Upper	
188	100		
94	10.1	8.5	12.7
80	10.5	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





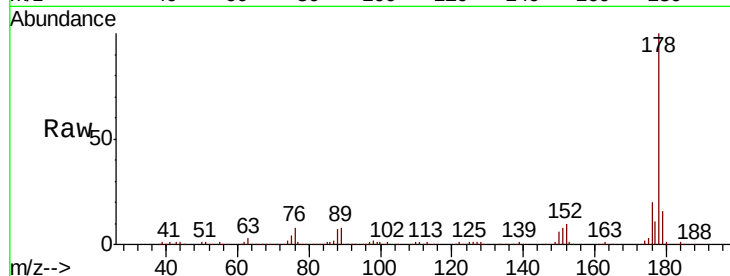
#71
Phenanthrene
Concen: 5.781 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF115393.D
Acq: 5 Jul 2019 17:16

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.6	25.0
179	15.5	13.0	19.6

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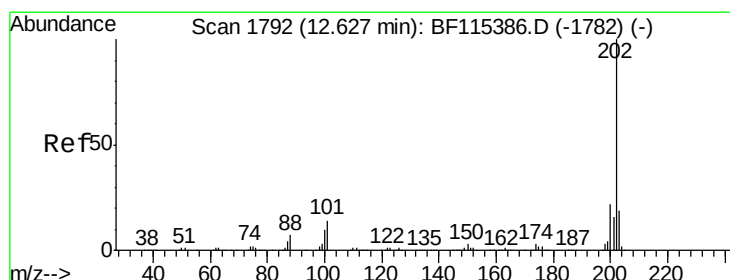
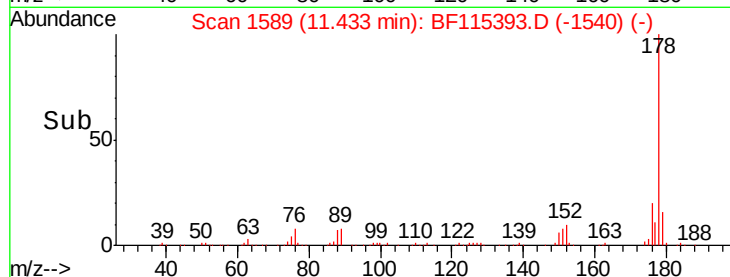
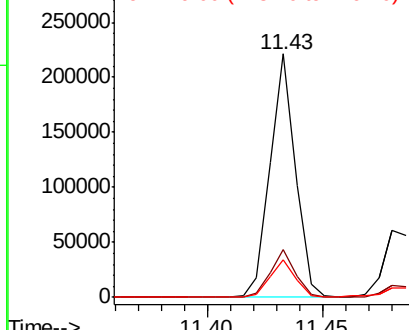


Abundance

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: 12.887 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF115393.D
Acq: 5 Jul 2019 17:16

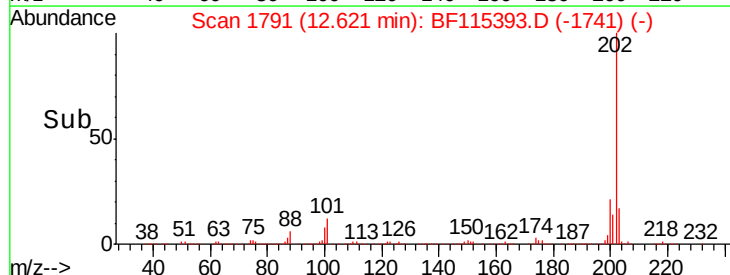
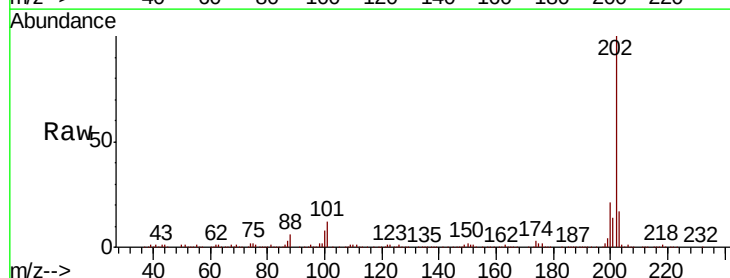
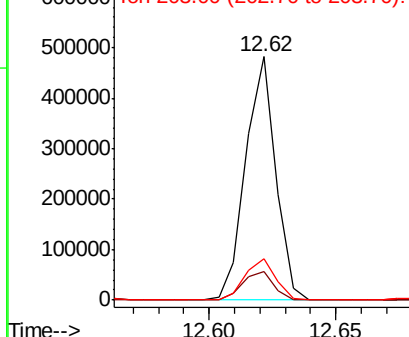
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	34.0
203	17.1	0.0	38.5

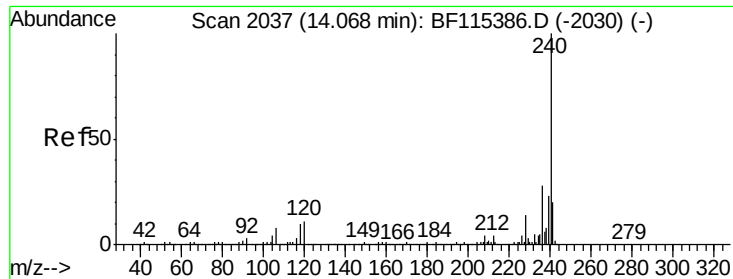
Abundance

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: BF115393.D

Acq: 5 Jul 2019 17:16

Instrument :

BNA_F

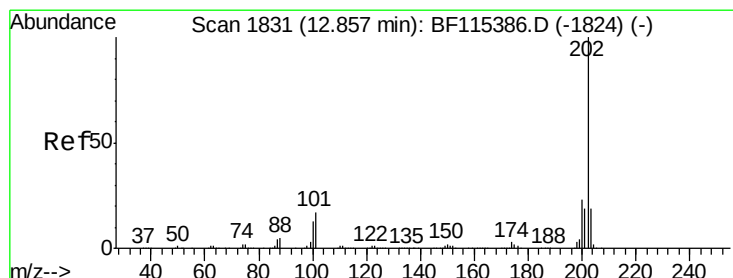
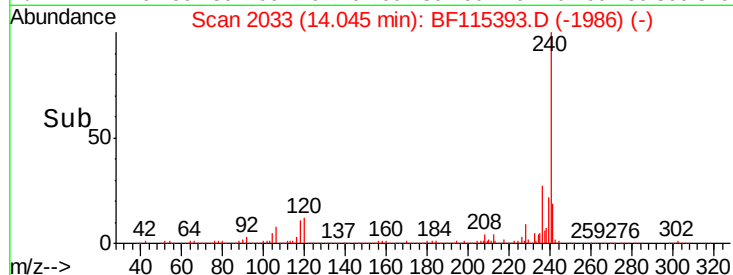
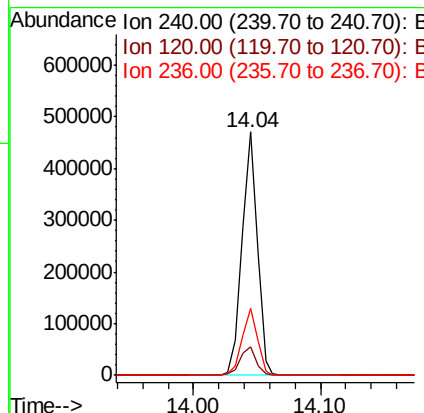
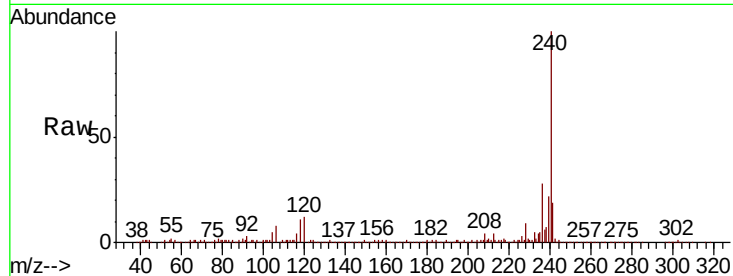
ClientSampleId :

PL-01-070319-B

Tot Ion:	240	Resp:	386587
Ion Ratio	Lower	Upper	
240	100		
120	12.0	9.1	13.7
236	27.5	22.5	33.7

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#78

Pyrene

Concen: 12.365 ng

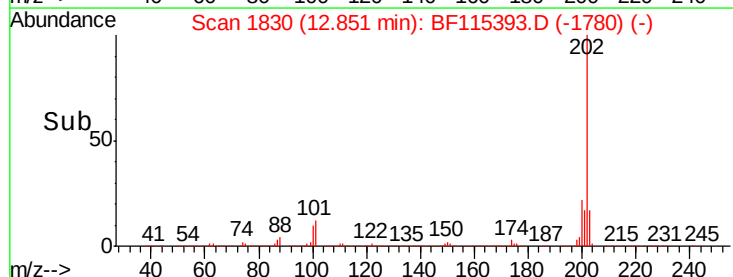
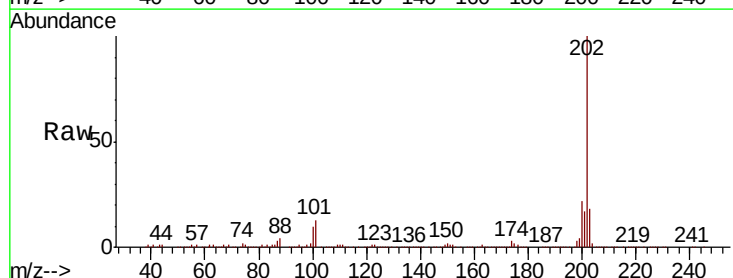
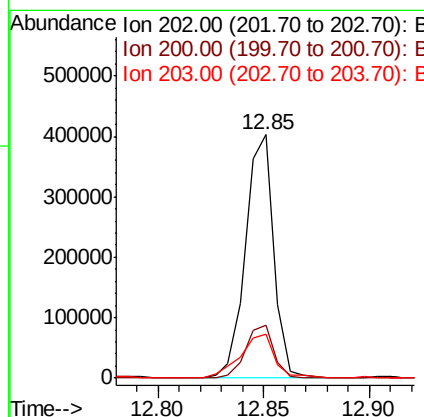
RT: 12.85 min Scan# 1830

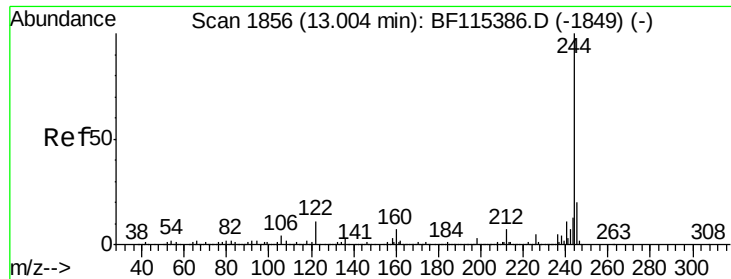
Delta R.T. -0.01 min

Lab File: BF115393.D

Acq: 5 Jul 2019 17:16

Tgt Ion:	202	Resp:	371714
Ion Ratio	Lower	Upper	
202	100		
200	21.8	18.2	27.4
203	18.0	14.8	22.2





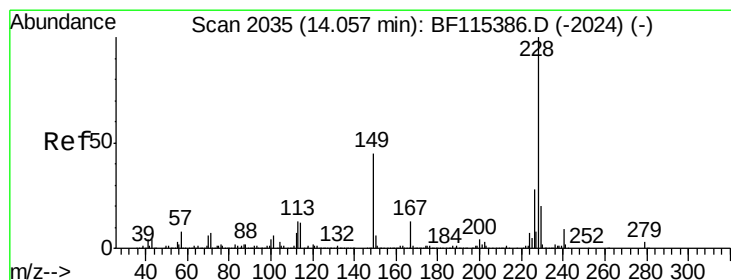
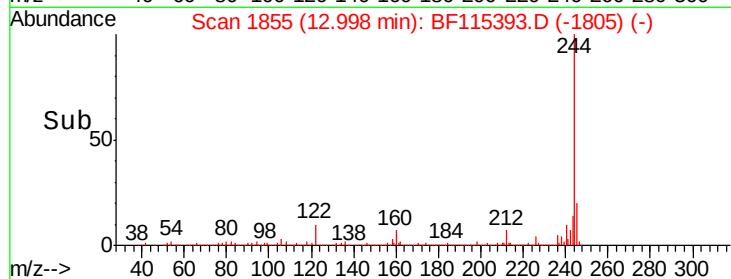
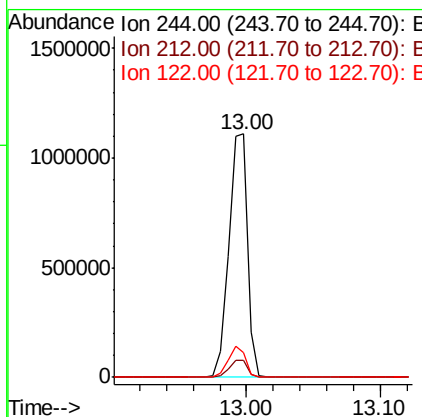
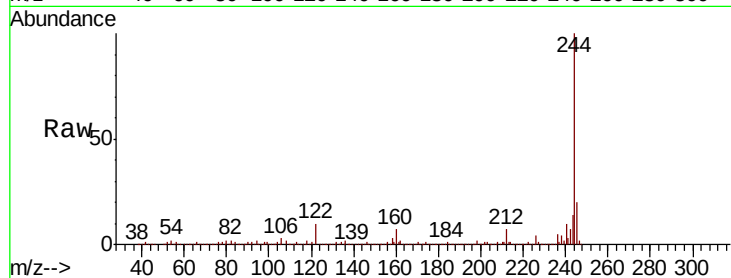
#79
 Terphenyl-d14
 Concen: 58.043 ng
 RT: 13.00 min Scan# 1856
 Delta R.T. -0.01 min
 Lab File: BF115393.D
 Acq: 5 Jul 2019 17:16

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	10.1	9.1	13.7

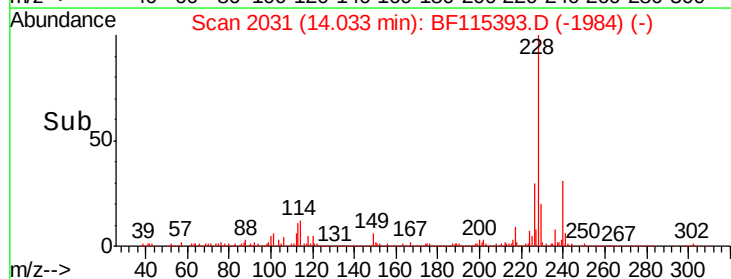
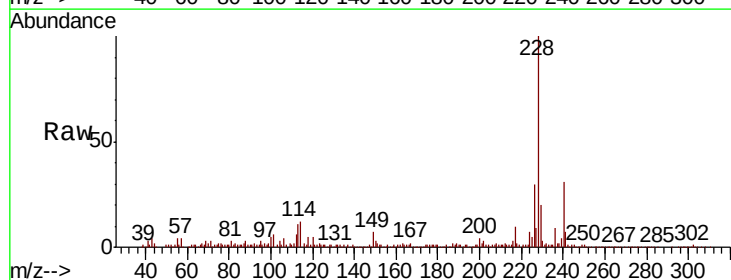
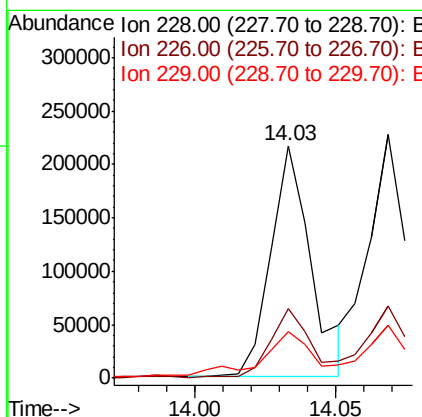
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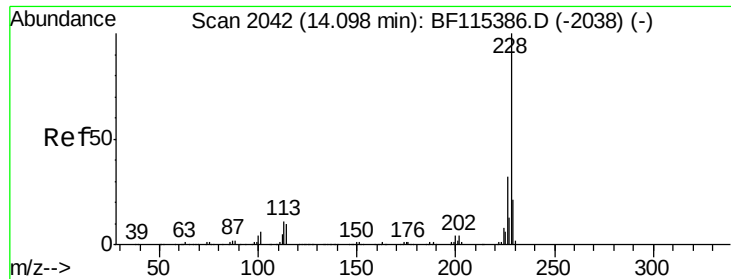
mohammad
 7/8/2019 2:12:58 PM



#81
 Benzo(a)anthracene
 Concen: 8.623 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.02 min
 Lab File: BF115393.D
 Acq: 5 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.7	34.1
229	20.0	16.3	24.5





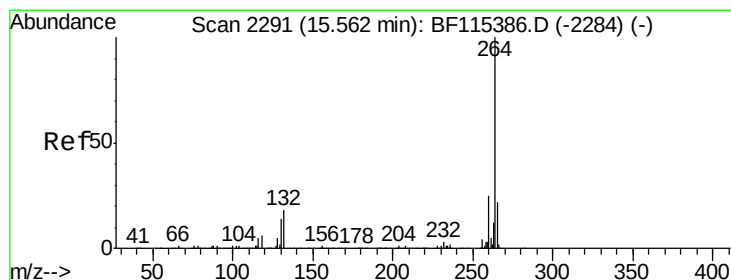
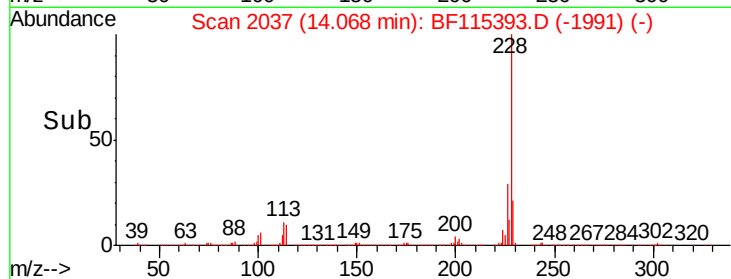
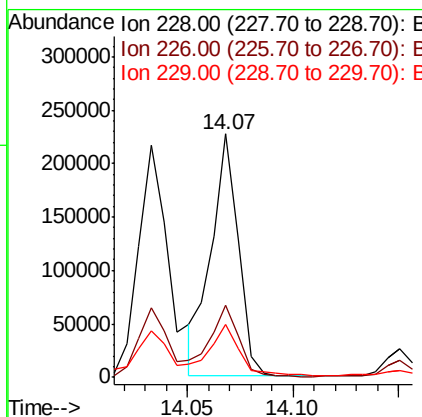
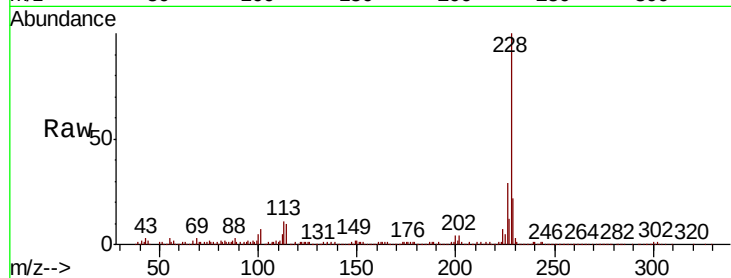
#83
Chrysene
Concen: 8.009 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.03 min
Lab File: BF115393.D
Acq: 5 Jul 2019 17:16

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

Tot Ion:	228	Resp:	203841
Ion Ratio	Lower	Upper	
228	100		
226	29.5	25.7	38.5
229	21.5	16.6	25.0

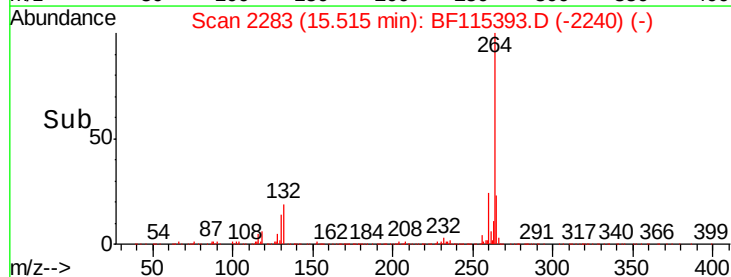
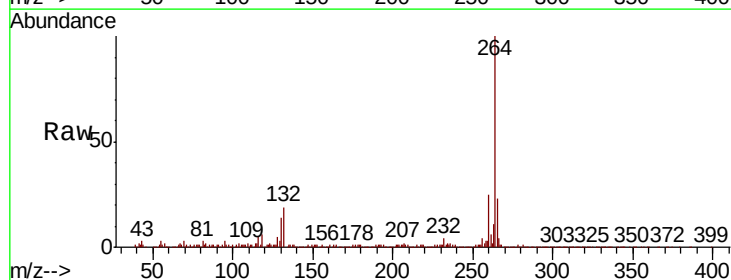
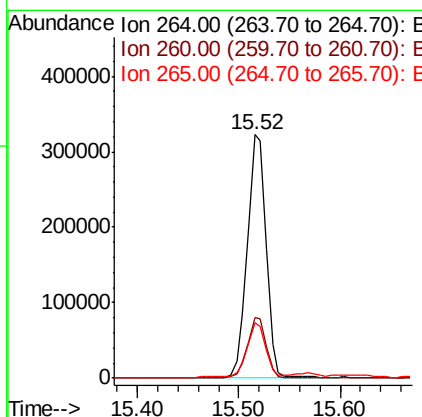
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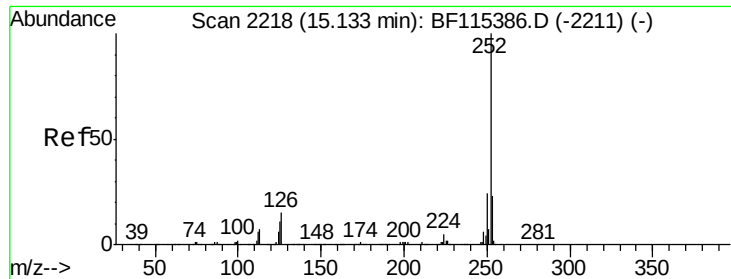
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.05 min
Lab File: BF115393.D
Acq: 5 Jul 2019 17:16

Tgt Ion:	264	Resp:	416433
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.9	29.9
265	22.9	17.4	26.2





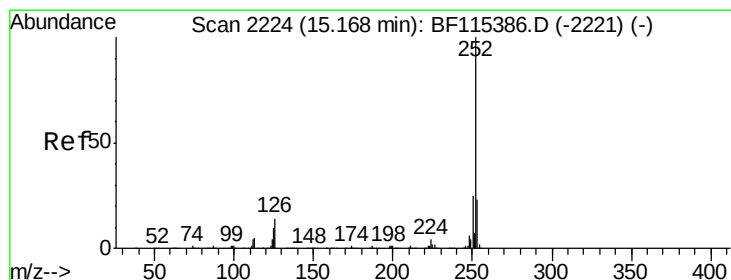
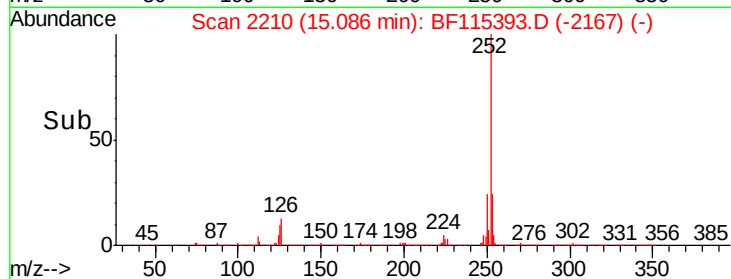
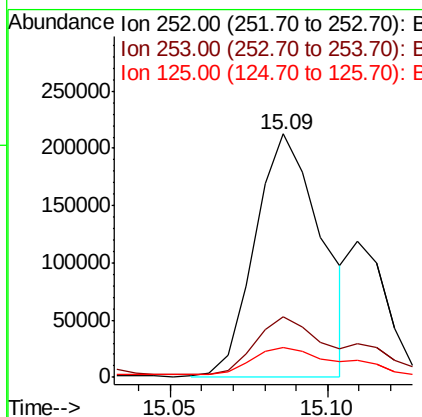
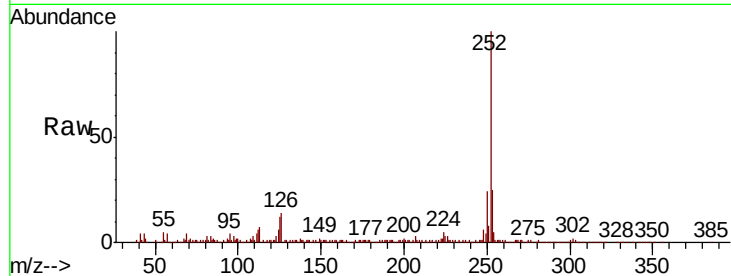
#88
Benzo(b)fluoranthene
Concen: 11.491 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.05 min
Lab File: BF115393.D
Acq: 5 Jul 2019 17:16

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.1	27.1
125	12.3	9.0	13.6

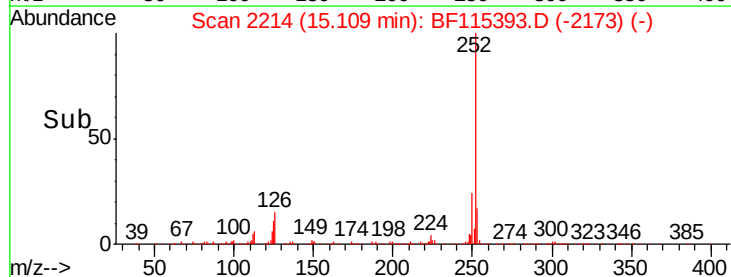
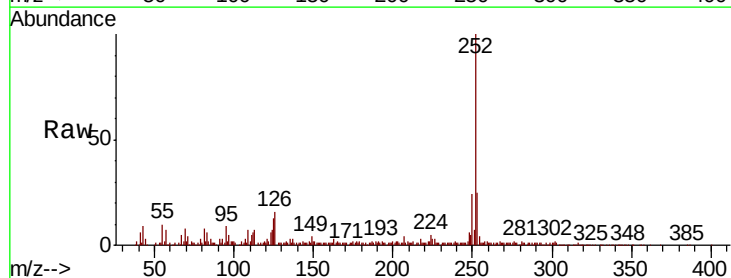
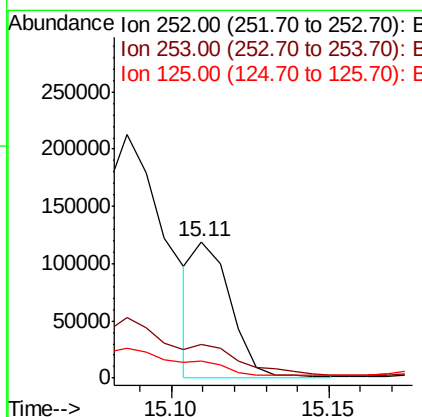
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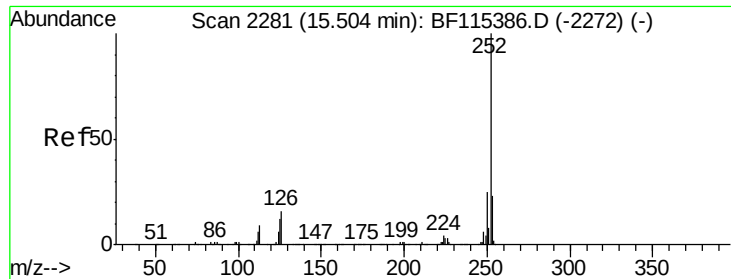
mohammad
7/8/2019 2:12:58 PM



#89
Benzo(k)fluoranthene
Concen: 4.101 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.06 min
Lab File: BF115393.D
Acq: 5 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.3	27.5
125	12.9	8.3	12.5#





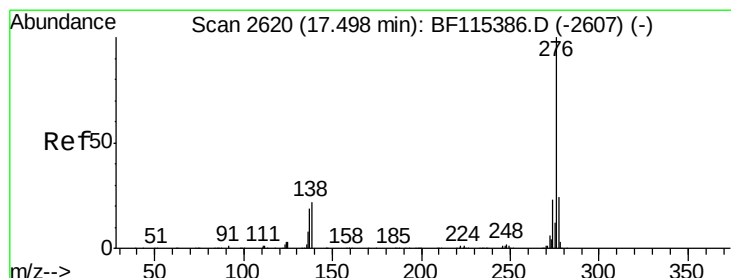
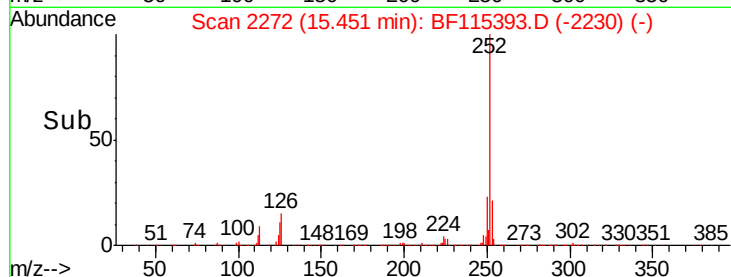
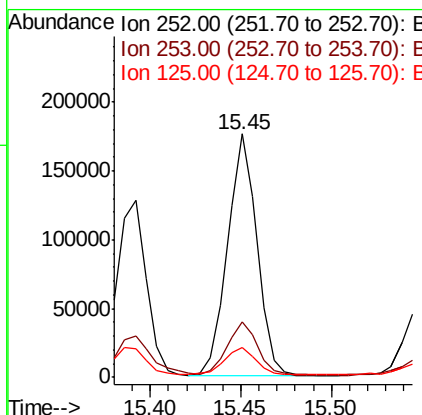
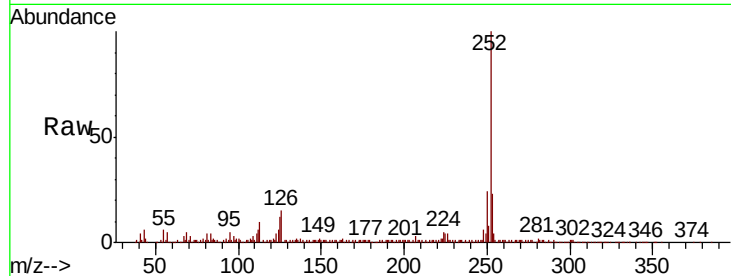
#90
Benzo(a)pyrene
Concen: 8.499 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.05 min
Lab File: BF115393.D
Acq: 5 Jul 2019 17:16

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	12.2	10.0	15.0

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 5.677 ng
RT: 17.43 min Scan# 2608
Delta R.T. -0.07 min
Lab File: BF115393.D
Acq: 5 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.4	29.2
138	23.9	17.8	26.6

