

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
 Data File : BF115610.D
 Acq On : 16 Jul 2019 21:05
 Operator : HP/JU
 Sample : K3623-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-071519-B

Manual Integrations
 APPROVED

mohammad
 7/17/2019 12:06:46 PM

Quant Time: Jul 17 05:53:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	156039	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	568619	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	259739	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	473045	20.00	ng	0.00
76) Chrysene-d12	14.04	240	372942	20.00	ng	0.00
87) Perylene-d12	15.52	264	348624	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	435059	45.61	ng	0.00
7) Phenol-d6	6.50	99	552235	45.62	ng	-0.01
23) Nitrobenzene-d5	7.43	82	330558	33.80	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	125684	41.46	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	596627	40.20	ng	-0.01
79) Terphenyl-d14	12.99	244	641434	31.74	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.78	152	72520	2.895	ng	97
50) Dimethylphthalate	9.63	163	79302	4.058	ng	99
71) Phenanthrene	11.43	178	675067	27.840	ng	97
72) Anthracene	11.48	178	170781	6.815	ng	97
73) Carbazole	11.63	167	124737	5.676	ng	96
75) Fluoranthene	12.62	202	955572	37.293	ng	100
78) Pyrene	12.84	202	963948	30.508	ng	98
81) Benzo(a)anthracene	14.03	228	383326	15.602	ng	98
83) Chrysene	14.07	228	427763	17.343	ng	97
86) Indeno(1,2,3-cd)pyrene	16.99	276	137053	6.541	ng	97
88) Benzo(b)fluoranthene	15.09	252	399725m	17.806	ng	
89) Benzo(k)fluoranthene	15.11	252	132380m	6.614	ng	
90) Benzo(a)pyrene	15.45	252	252946	13.110	ng	# 95
91) Dibenzo(a,h)anthracene	17.00	278	37481	2.213	ng	# 81
92) Benzo(a,h,i)perylene	17.44	276	147140	8.710	ng	99

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

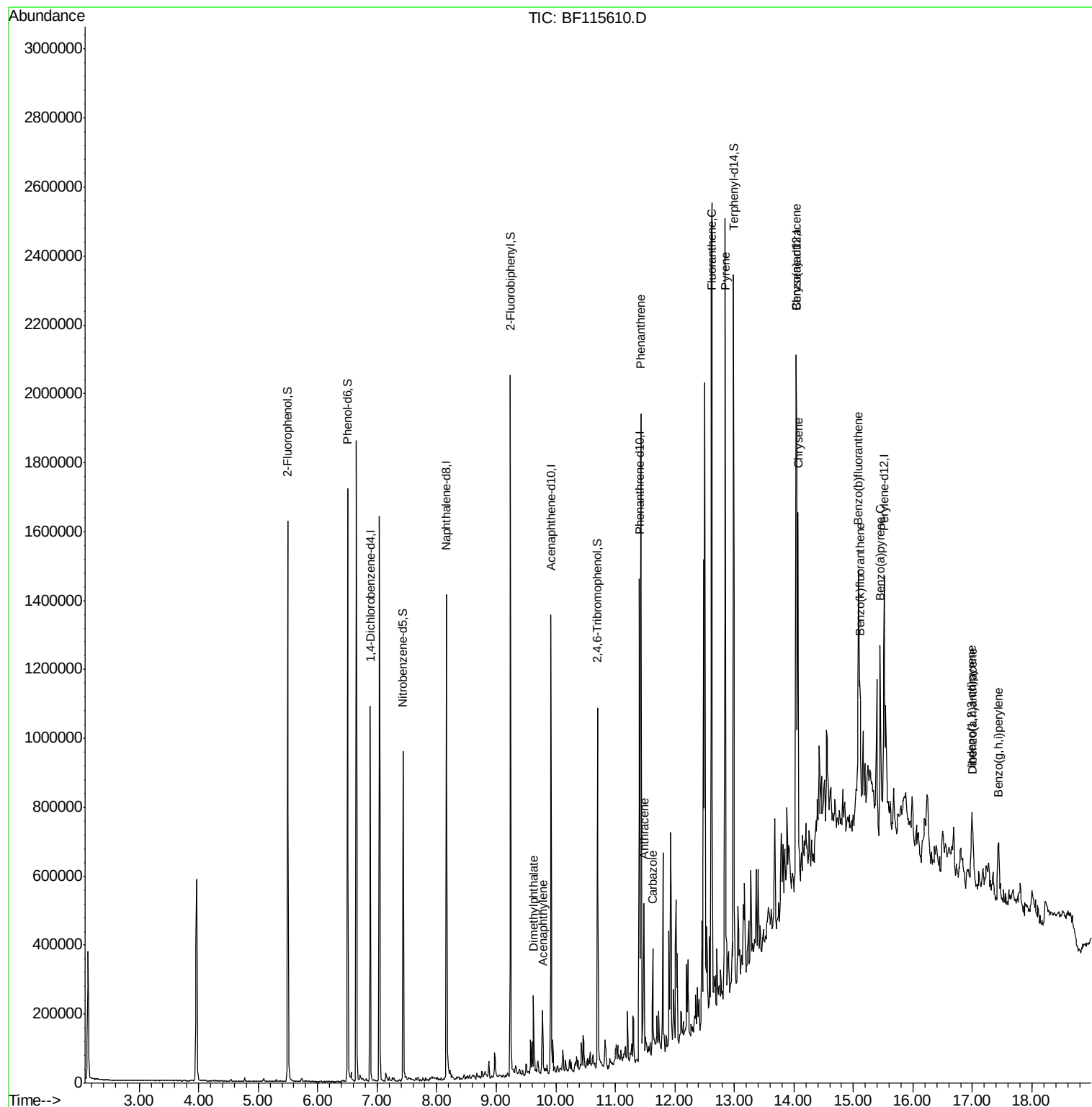
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
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Misc :
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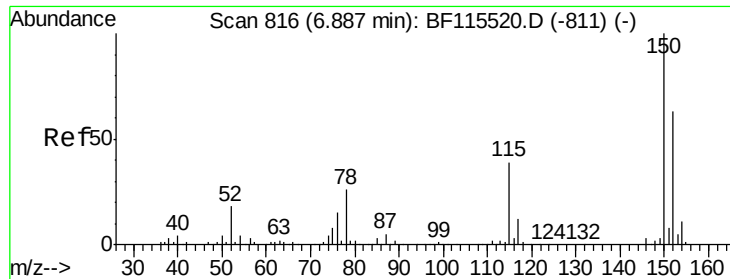
Instrument :
BNA_F
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EO-02-071519-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

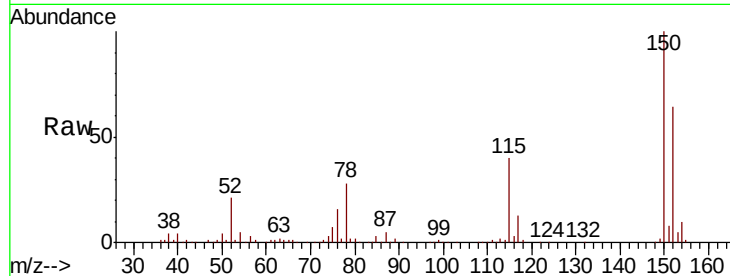
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115610.D
Acq: 16 Jul 2019 21:05

Instrument :
BNA_F
ClientSampleId :
EO-02-071519-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	129.7	194.5
115	62.9	48.2	72.4

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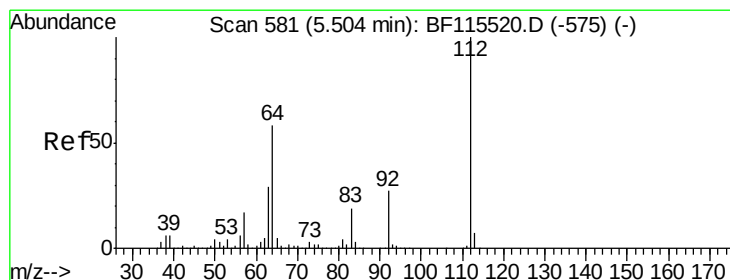
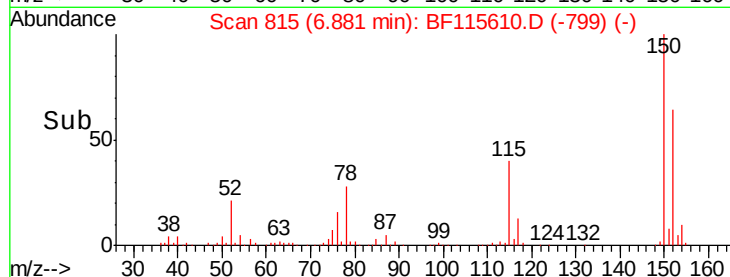
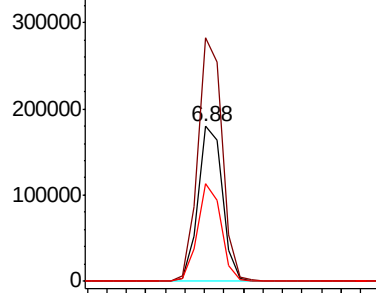


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

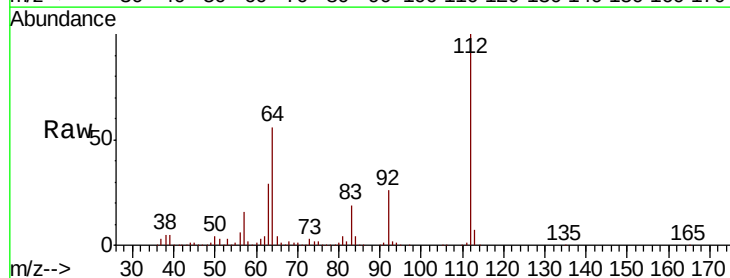
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 45.606 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115610.D
Acq: 16 Jul 2019 21:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	46.8	70.2
63	28.7	24.1	36.1

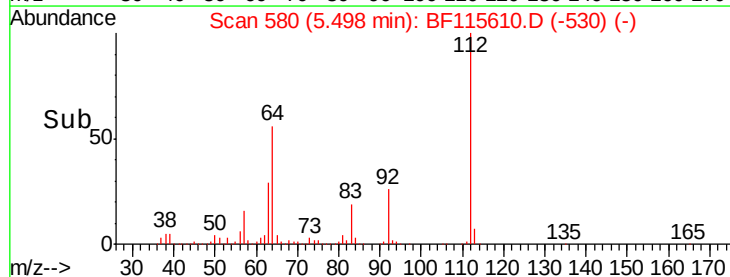
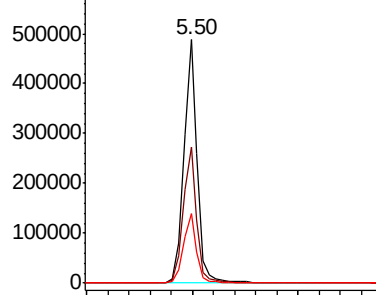


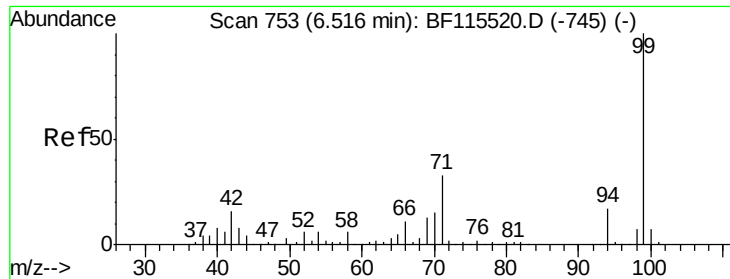
Abundance

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: 45.622 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

Instrument :

BNA_F

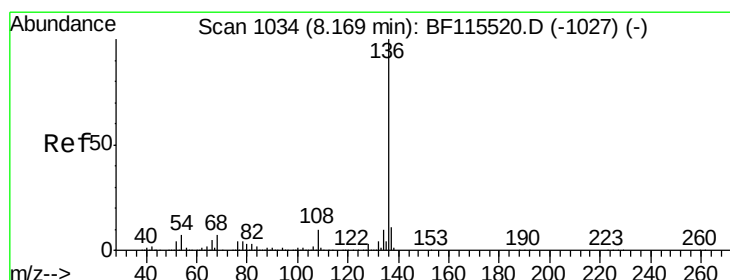
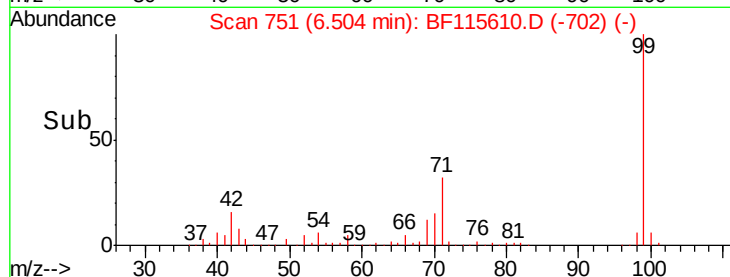
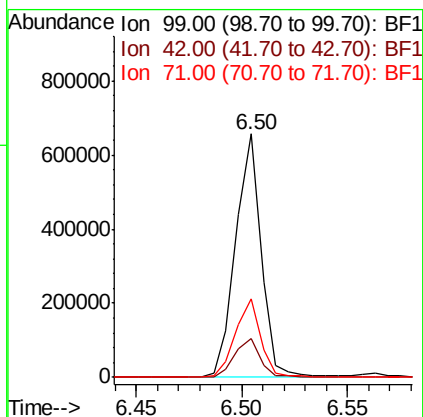
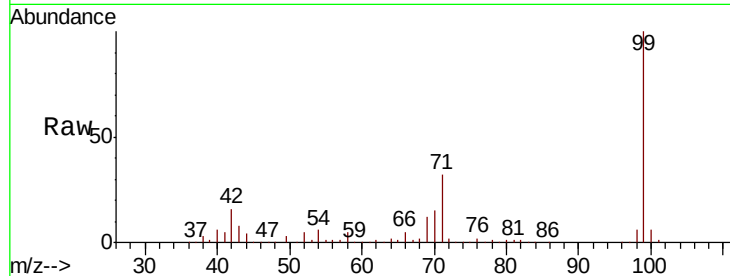
ClientSampleId :

EO-02-071519-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		552235		
42	15.9	13.6	20.4		
71	32.5	28.5	42.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

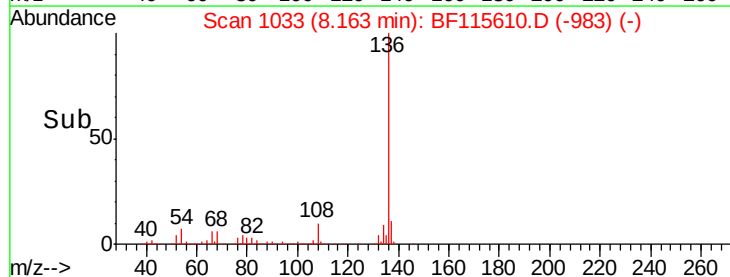
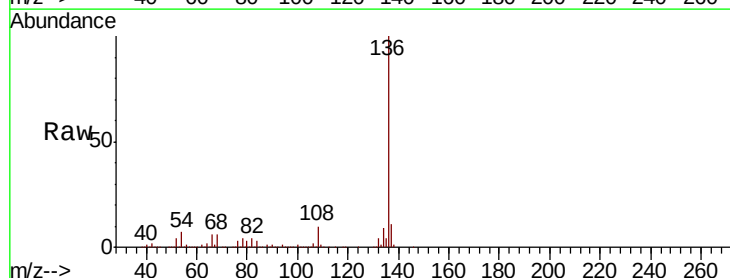
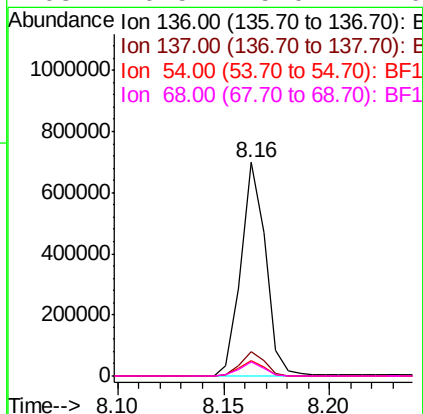
RT: 8.16 min Scan# 1033

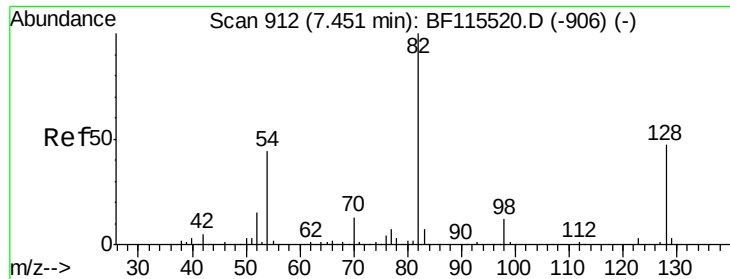
Delta R.T. -0.01 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		568619		
137	11.4	9.0	13.4		
54	7.3	5.6	8.4		
68	6.5	5.0	7.6		





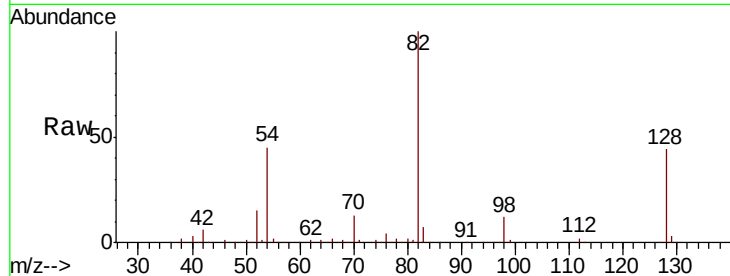
#23
 Nitrobenzene-d5
 Concen: 33.803 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.02 min
 Lab File: BF115610.D
 Acq: 16 Jul 2019 21:05

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-071519-B

Tot Ion	82	Resp	330558
Ion Ratio	Lower	Upper	
82	100		
128	43.7	38.6	57.8
54	44.6	35.6	53.4

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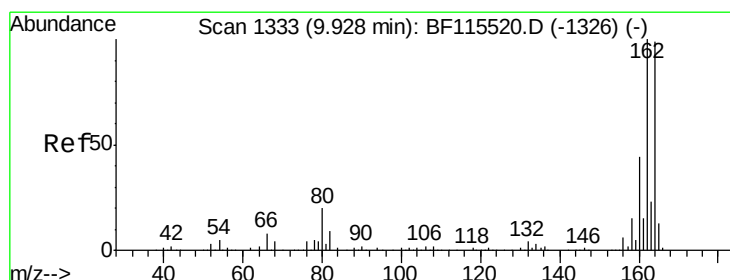
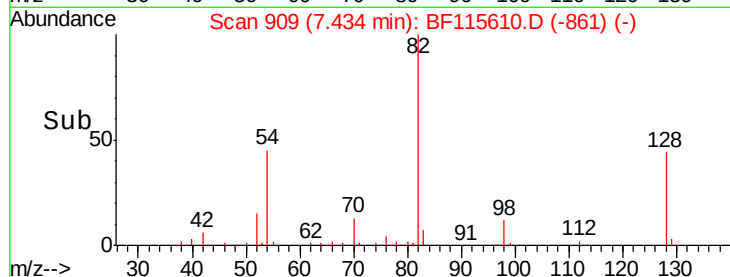
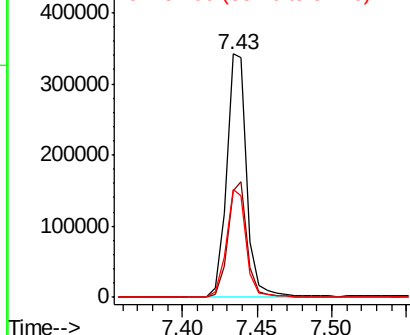


Abundance

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: 9.92 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF115610.D
 Acq: 16 Jul 2019 21:05

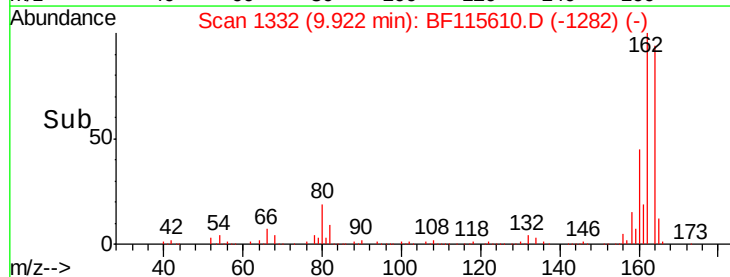
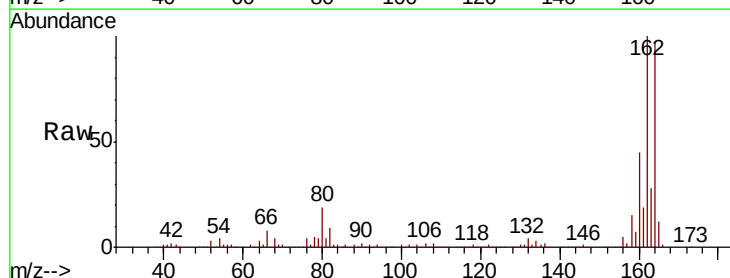
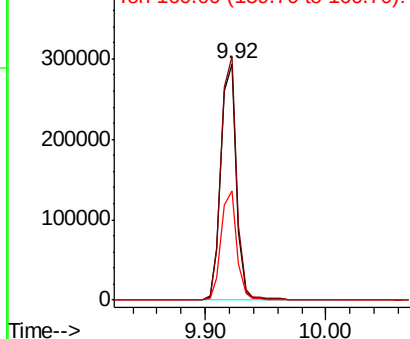
Tgt Ion	164	Resp	259739
Ion Ratio	Lower	Upper	
164	100		
162	103.1	82.9	124.3
160	46.4	36.8	55.2

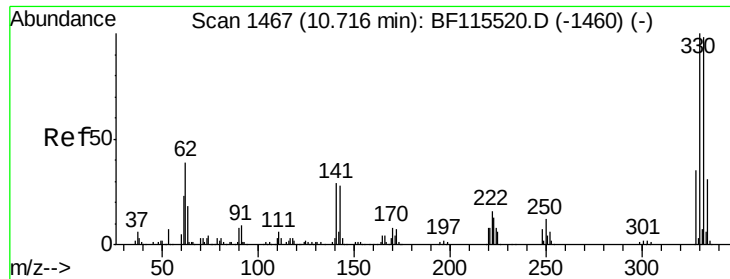
Abundance

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: 41.455 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

Instrument :

BNA_F

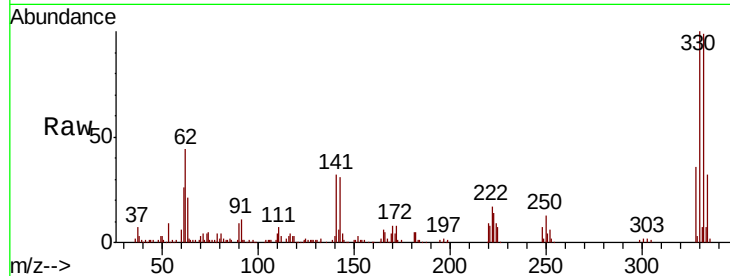
ClientSampleId :

EO-02-071519-B

Tot Ion:	330	Resp:	125684
Ion Ratio	Lower	Upper	
330	100		
332	98.7	77.4	116.2
141	31.9	22.4	33.6

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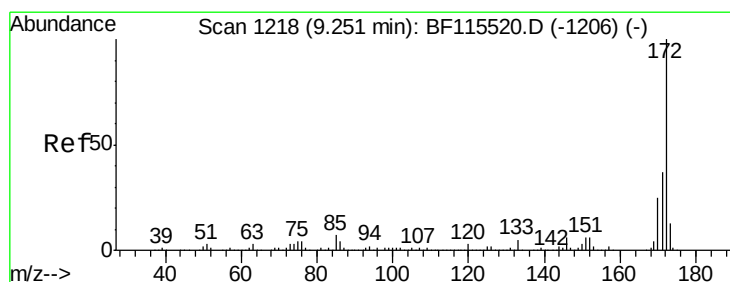
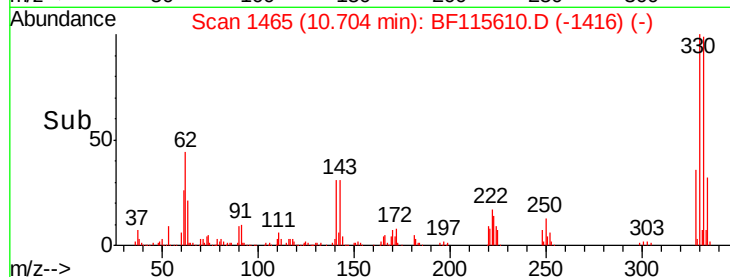
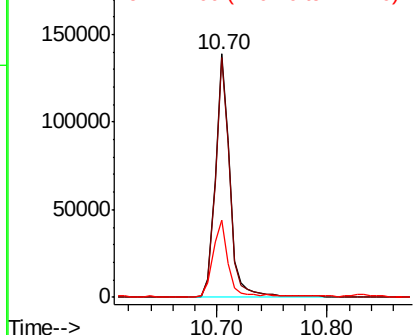


Abundance

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: 40.204 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

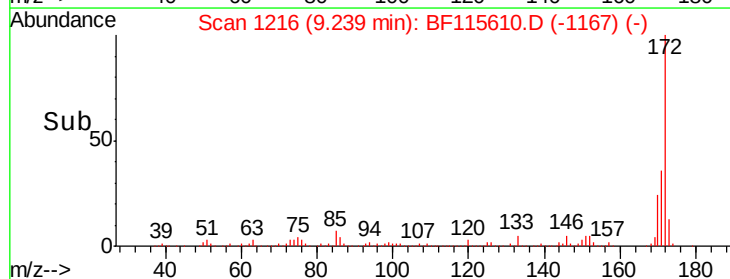
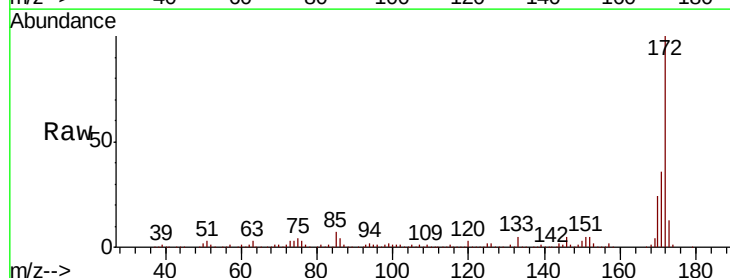
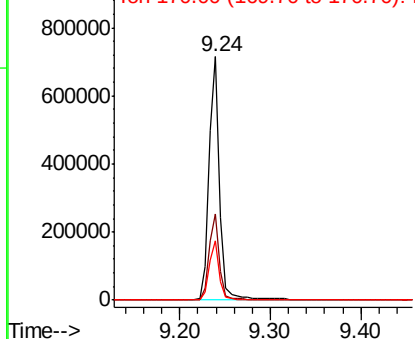
Tgt Ion:	172	Resp:	596627
Ion Ratio	Lower	Upper	
172	100		
171	35.6	30.6	46.0
170	24.3	20.5	30.7

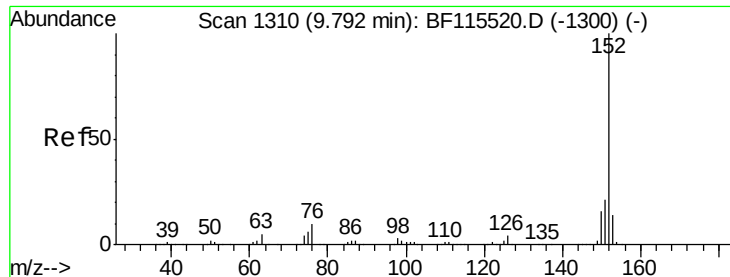
Abundance

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





#49

Acenaphthylene

Concen: 2.895 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

Instrument :

BNA_F

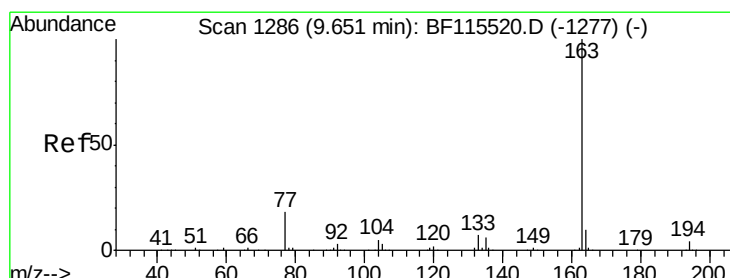
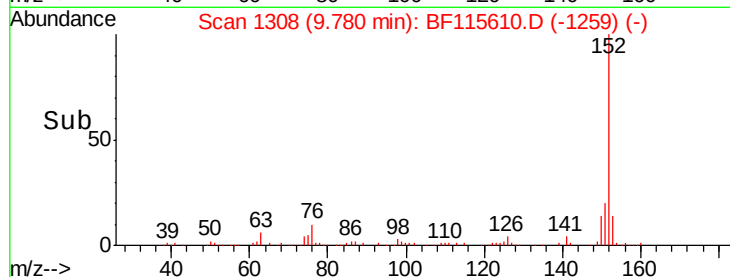
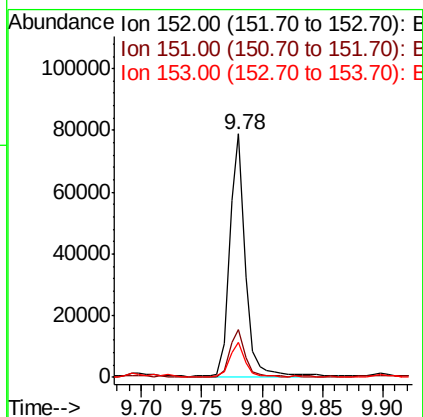
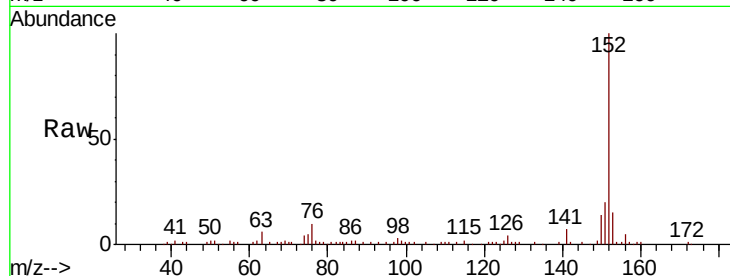
ClientSampleId :

EO-02-071519-B

Tot Ion:	152	Resp:	72520
Ion Ratio	Lower	Upper	
152	100		
151	19.8	17.7	26.5
153	14.6	12.0	18.0

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#50

Dimethylphthalate

Concen: 4.058 ng

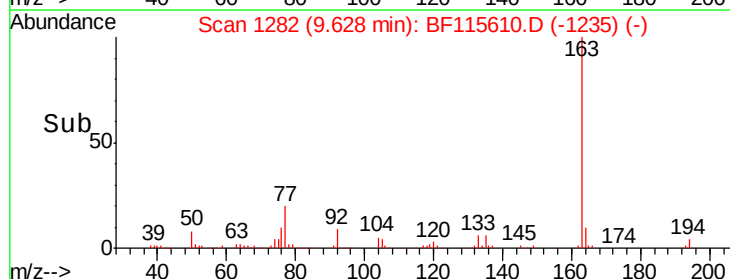
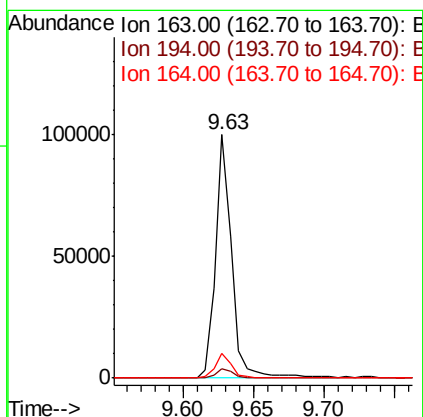
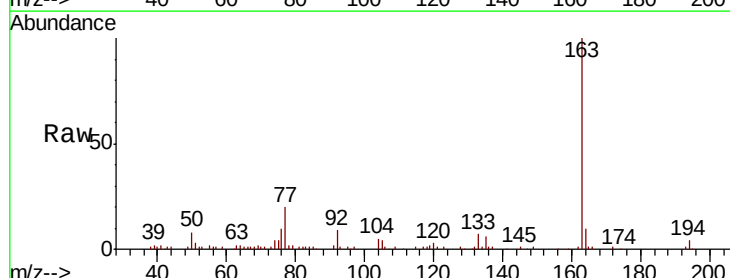
RT: 9.63 min Scan# 1282

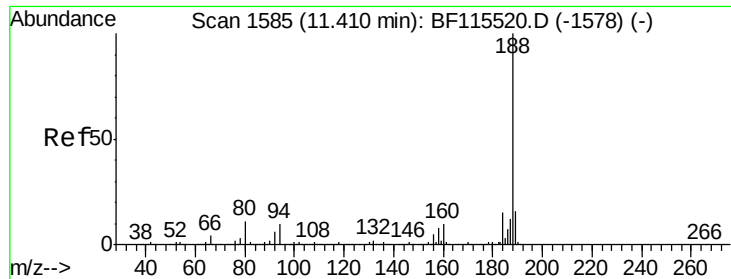
Delta R.T. -0.02 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

Tgt Ion:	163	Resp:	79302
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.3	4.9
164	10.2	8.7	13.1





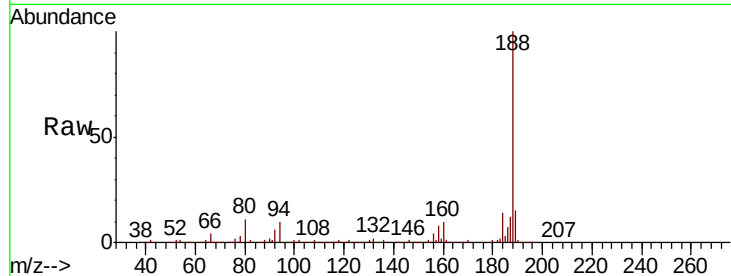
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115610.D
Acq: 16 Jul 2019 21:05

Instrument :
BNA_F
ClientSampleId :
EO-02-071519-B

Tot Ion	Ratio	Resp	Lower	Upper
188	100	473045		
94	10.0		7.8	11.6
80	10.7		8.6	13.0

Manual Integrations
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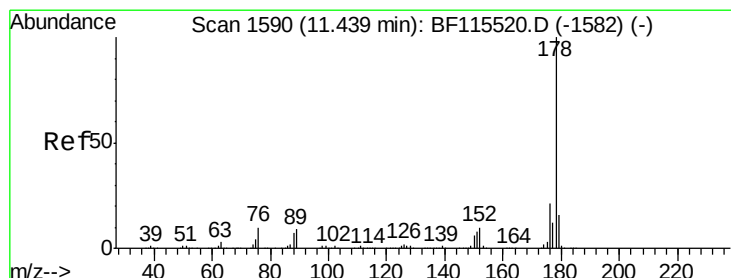
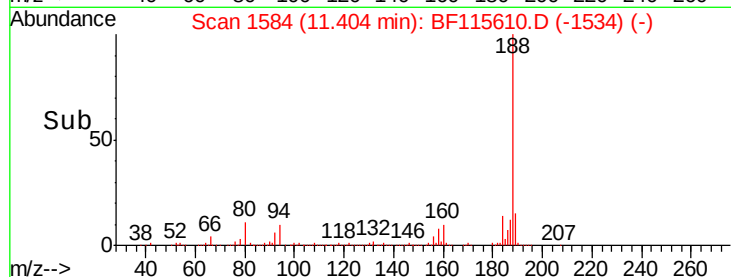
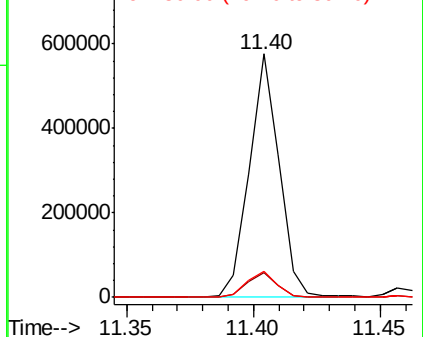


Abundance

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: 27.840 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF115610.D
Acq: 16 Jul 2019 21:05

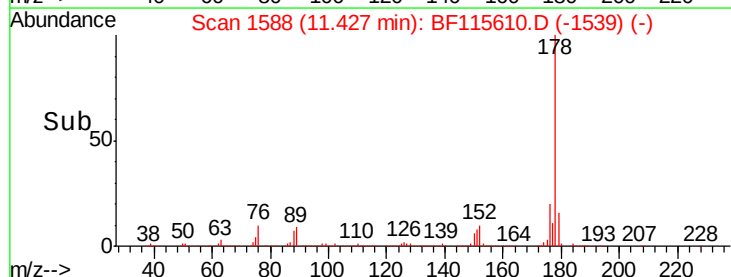
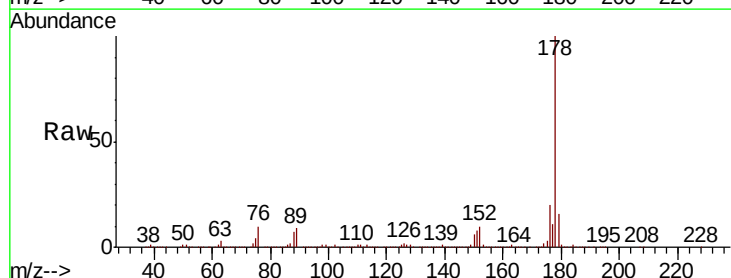
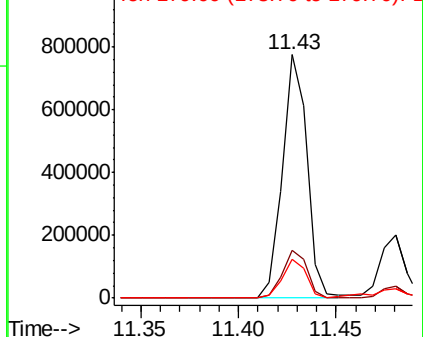
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	675067		
176	19.7		17.2	25.8
179	15.8		13.5	20.3

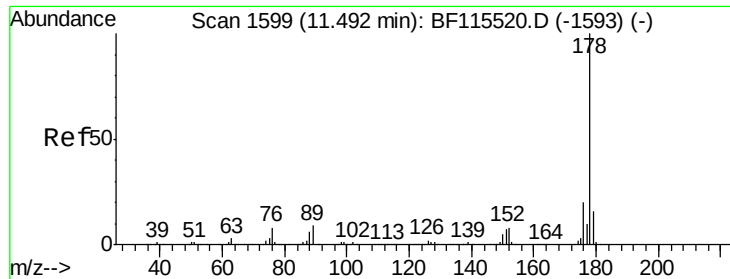
Abundance

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





#72

Anthracene

Concen: 6.815 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

Instrument :

BNA_F

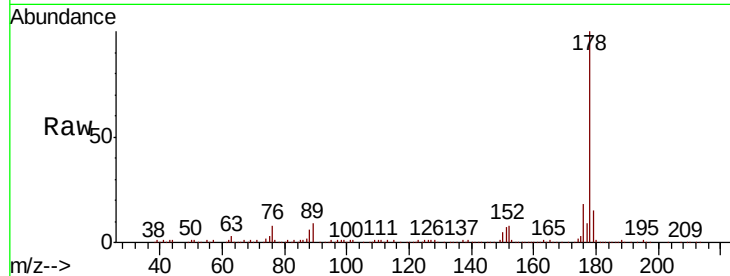
ClientSampleId :

EO-02-071519-B

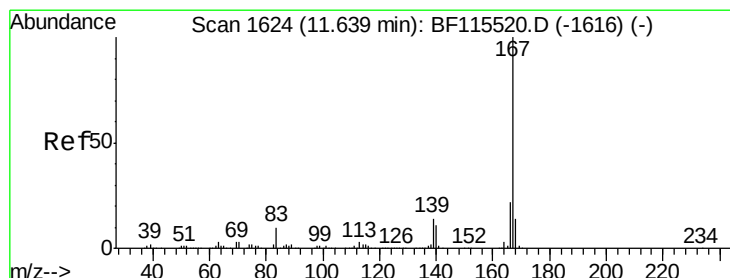
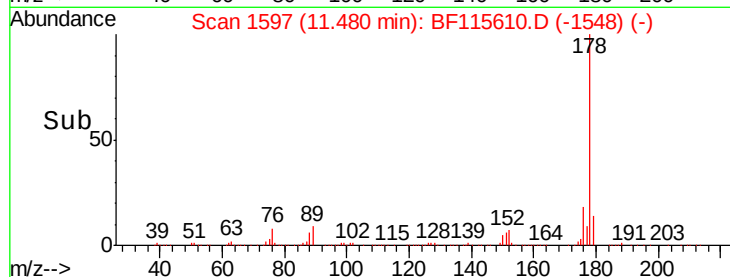
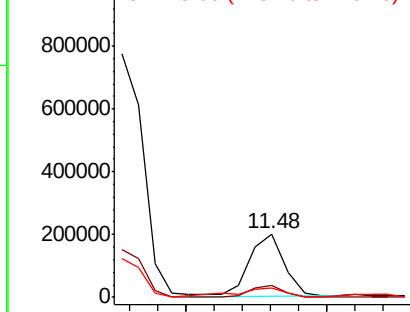
Tot Ion:	178	Resp:	170781
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.9	23.9
179	14.8	12.7	19.1

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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



#73

Carbazole

Concen: 5.676 ng

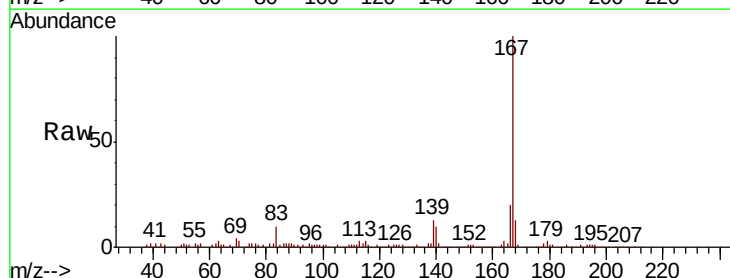
RT: 11.63 min Scan# 1622

Delta R.T. -0.01 min

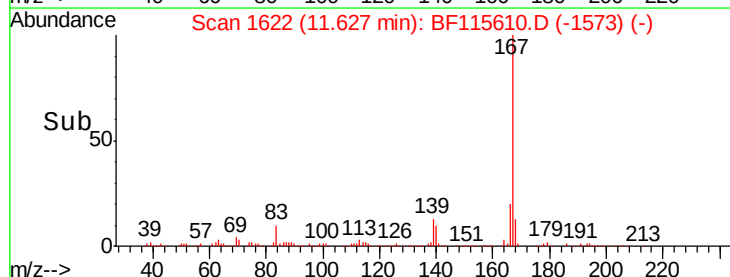
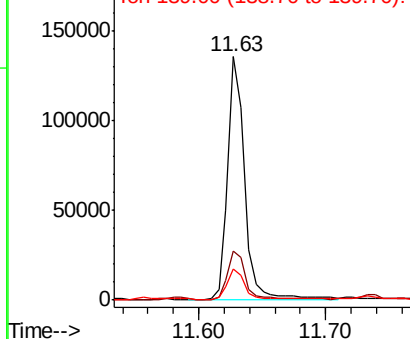
Lab File: BF115610.D

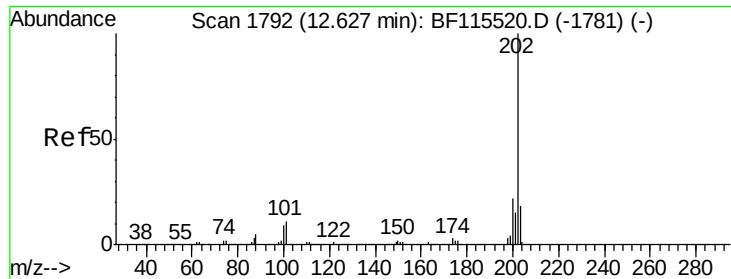
Acq: 16 Jul 2019 21:05

Tgt Ion:	167	Resp:	124737
Ion Ratio	Lower	Upper	
167	100		
166	20.3	18.1	27.1
139	12.9	11.3	16.9



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 37.293 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

Instrument :

BNA_F

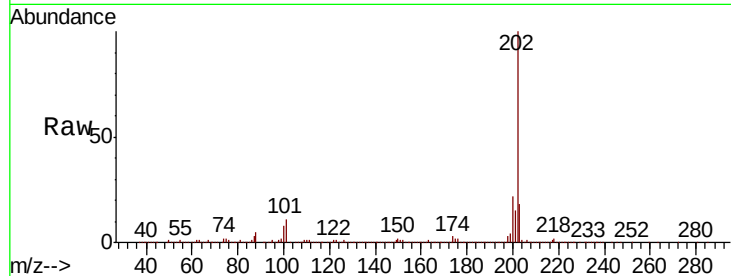
ClientSampleId :

EO-02-071519-B

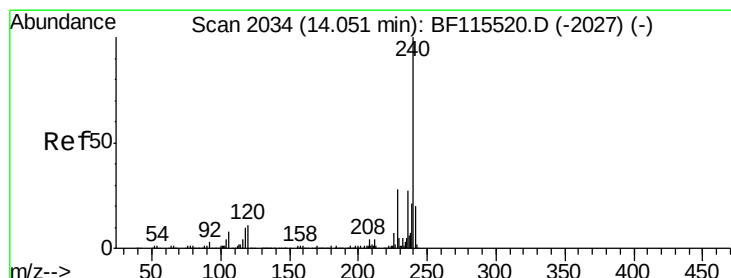
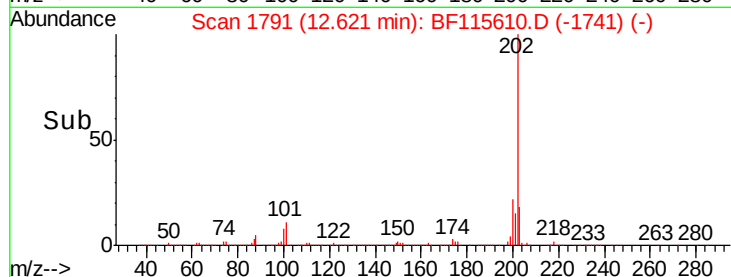
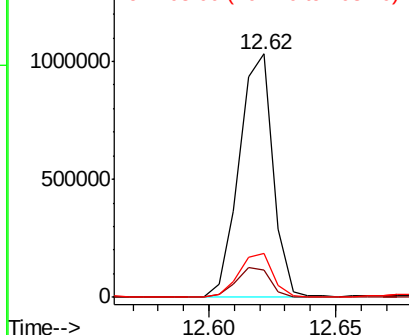
Tot Ion	Ratio	Resp	Lower	Upper
202	100	955572		
101	11.4	0.0	31.4	
203	18.1	0.0	38.1	

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



#76

Chrysene-d12

Concen: 20.000 ng

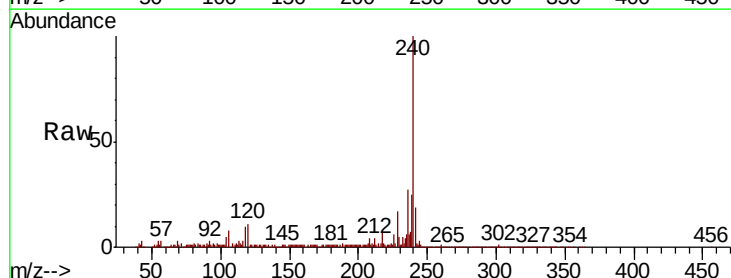
RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

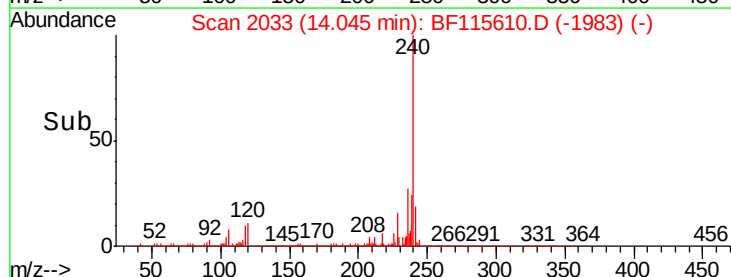
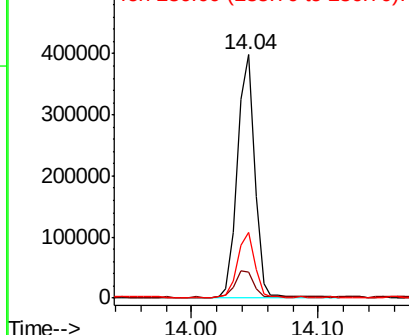
Lab File: BF115610.D

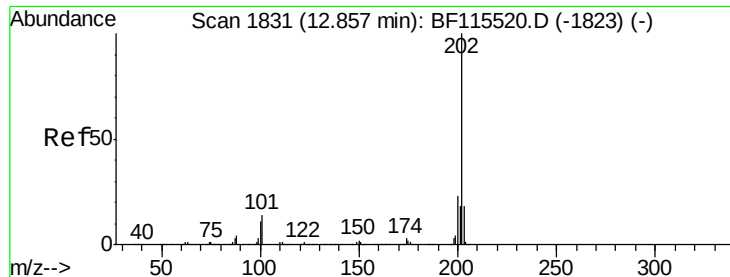
Acq: 16 Jul 2019 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	372942		
120	10.9	8.6	13.0	
236	27.2	21.3	31.9	



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

Pvrene

Concen: 30.508 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

Instrument :

BNA_F

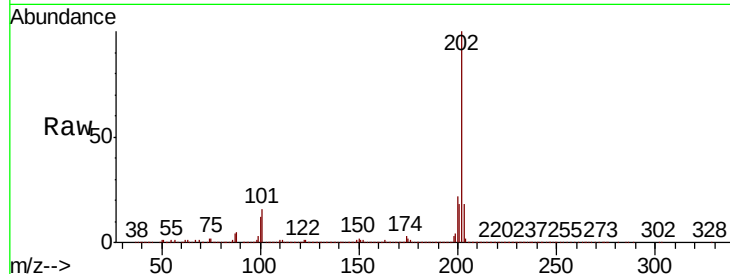
ClientSampleId :

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Tot Ion:	202	Resp:	963948
Ion Ratio		Lower	Upper
202	100		
200	22.1	18.7	28.1
203	18.5	15.2	22.8

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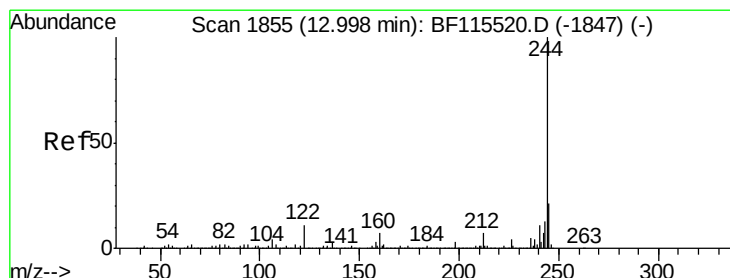
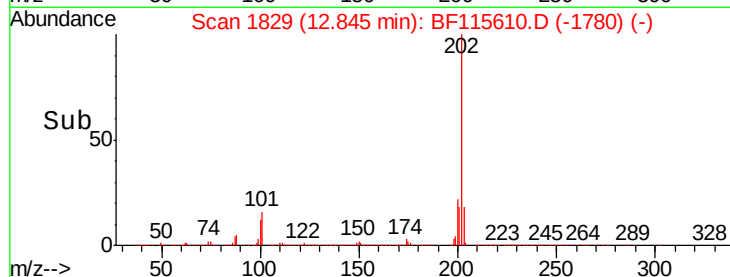
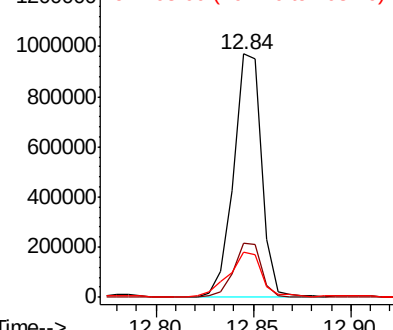


Abundance

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: 31.736 ng

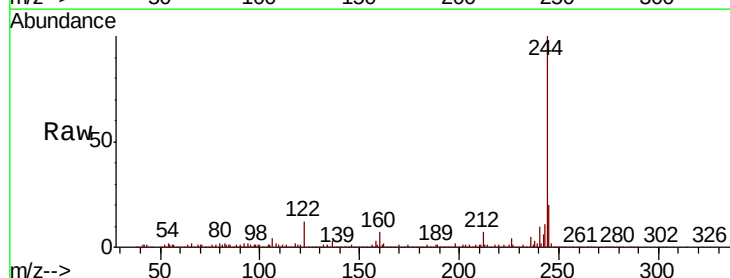
RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

Tgt Ion:	244	Resp:	641434
Ion Ratio		Lower	Upper
244	100		
212	6.6	6.0	9.0
122	11.8	8.6	12.8

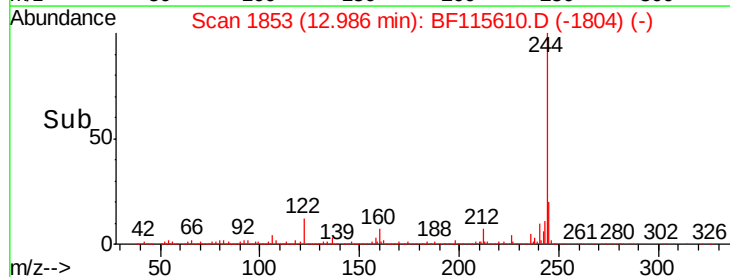
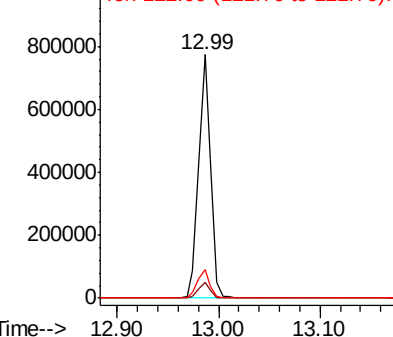


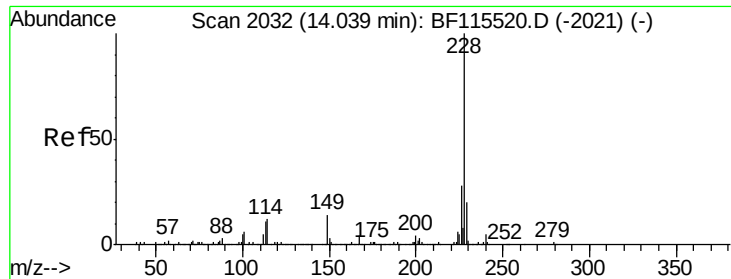
Abundance

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





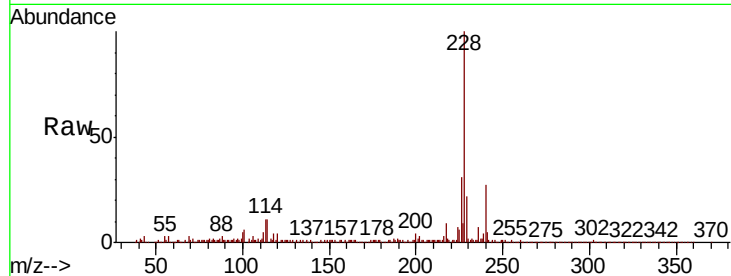
#81
Benzo(a)anthracene
Concen: 15.602 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF115610.D
Acq: 16 Jul 2019 21:05

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.4	35.0
229	21.7	17.2	25.8

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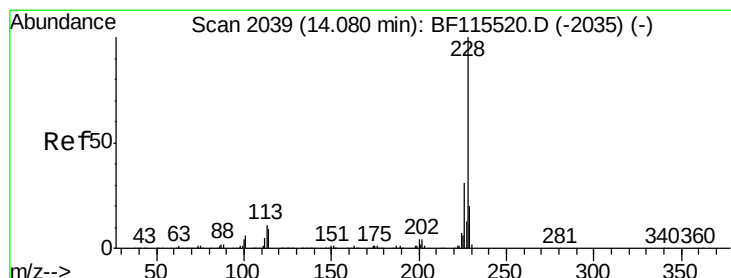
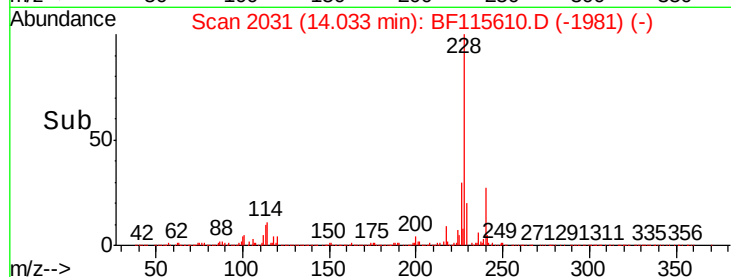
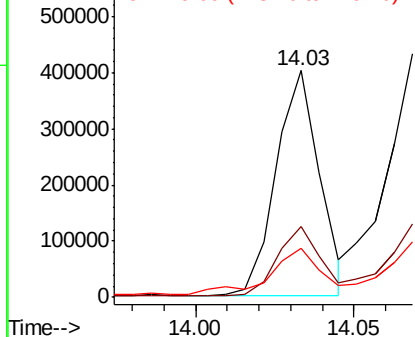


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 17.343 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF115610.D
Acq: 16 Jul 2019 21:05

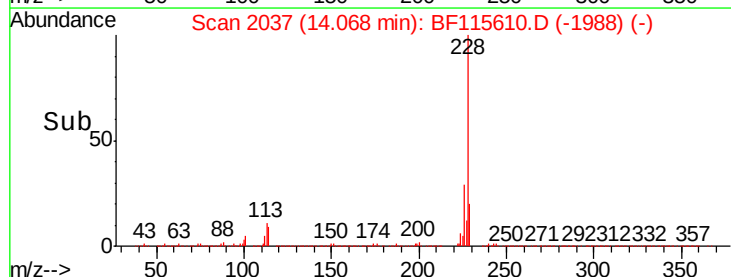
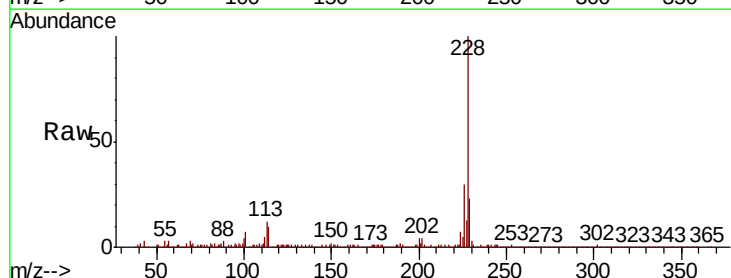
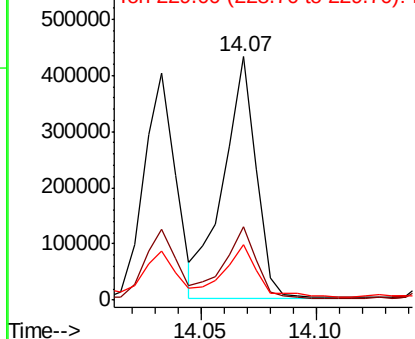
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.7	38.5
229	22.6	16.6	25.0

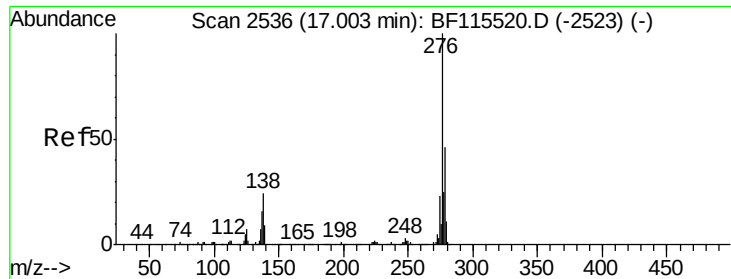
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 6.541 ng

RT: 16.99 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

Instrument :

BNA_F

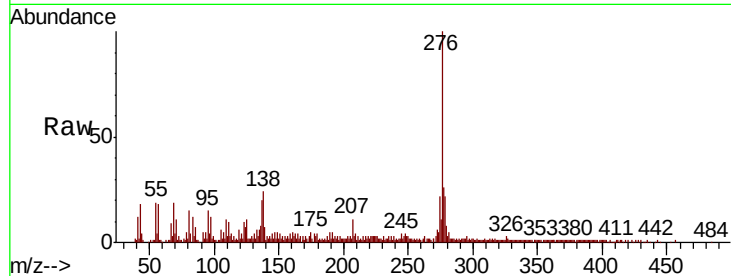
ClientSampleId :

EO-02-071519-B

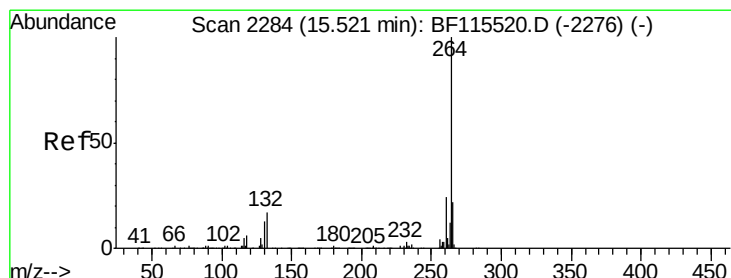
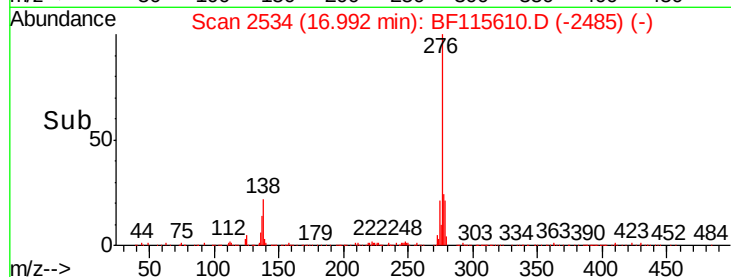
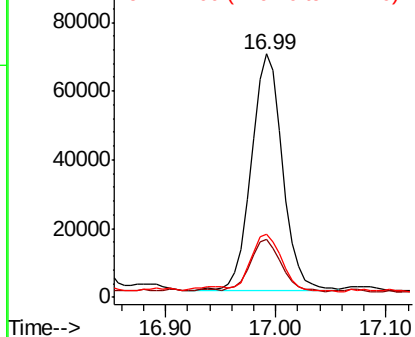
Tot Ion:	276	Resp:	137053
Ion Ratio	Lower	Upper	
276	100		
138	23.1	20.2	30.2
277	24.6	20.4	30.6

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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

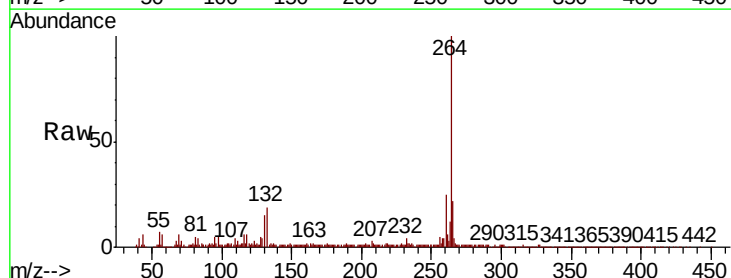
RT: 15.52 min Scan# 2283

Delta R.T. -0.01 min

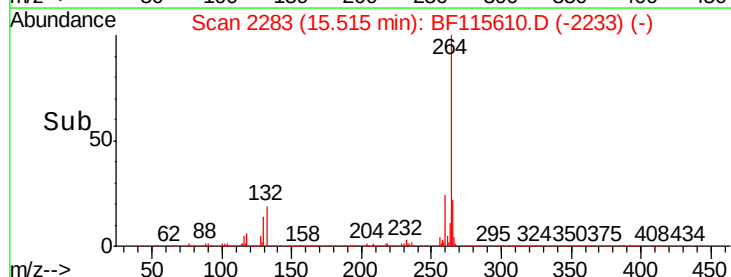
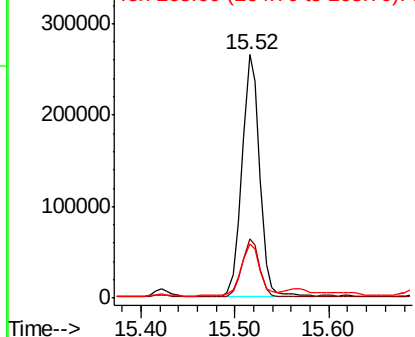
Lab File: BF115610.D

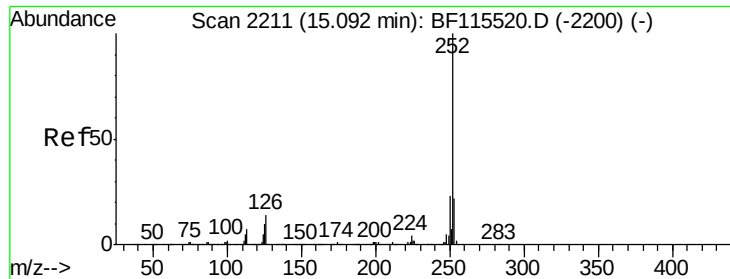
Acq: 16 Jul 2019 21:05

Tgt Ion:	264	Resp:	348624
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.8	29.8
265	22.5	17.7	26.5



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: 17.806 ng m

RT: 15.09 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

Instrument :

BNA_F

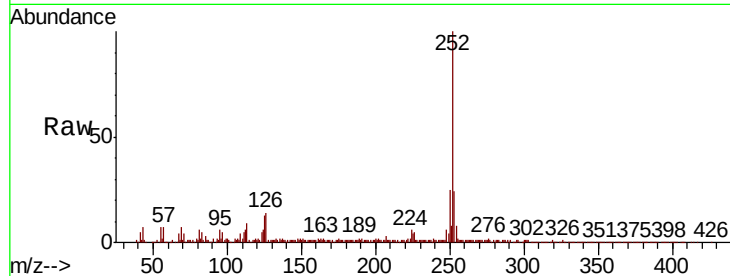
ClientSampleId :

EO-02-071519-B

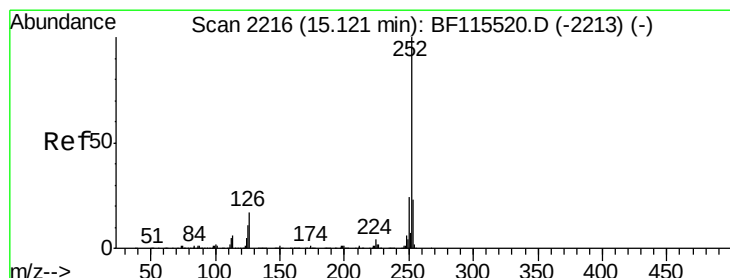
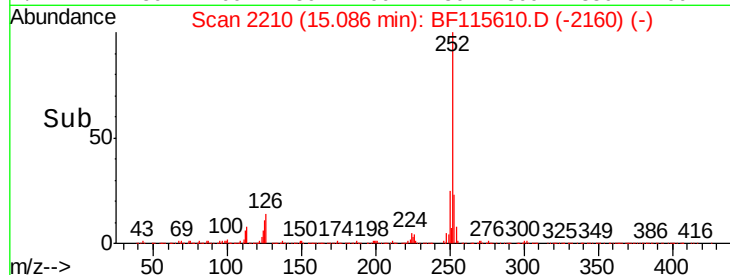
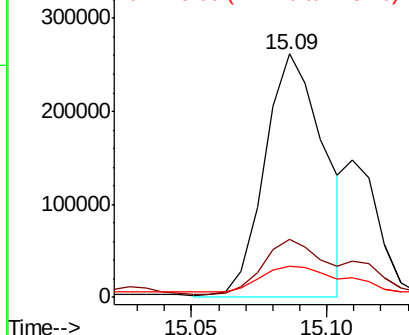
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.1	27.1
125	12.7	9.0	13.4

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 6.614 ng m

RT: 15.11 min Scan# 2214

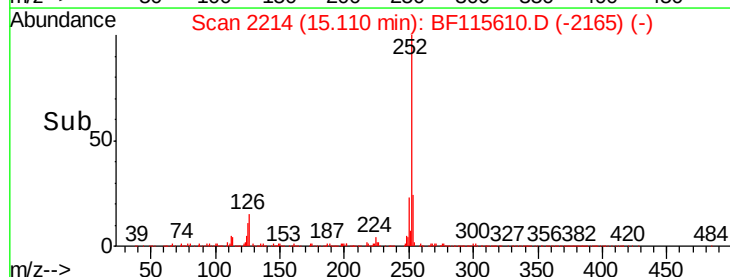
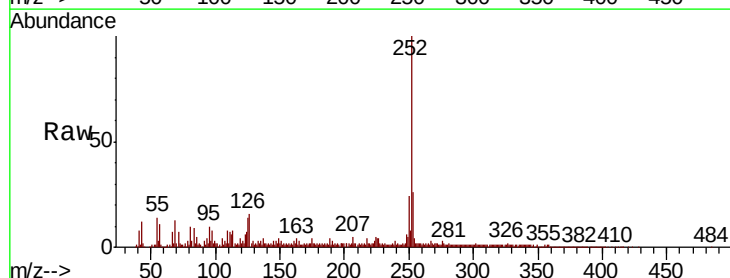
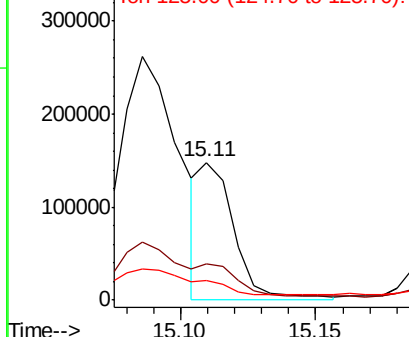
Delta R.T. -0.01 min

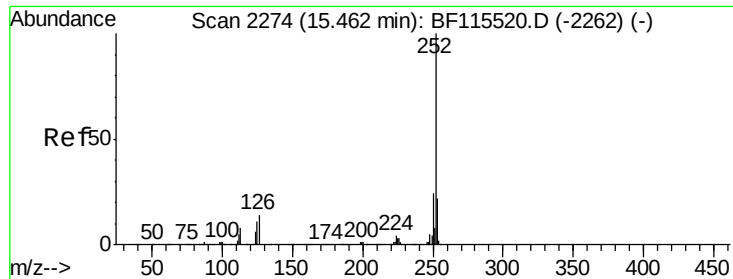
Lab File: BF115610.D

Acq: 16 Jul 2019 21:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.6	28.0
125	14.3	9.0	13.6#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





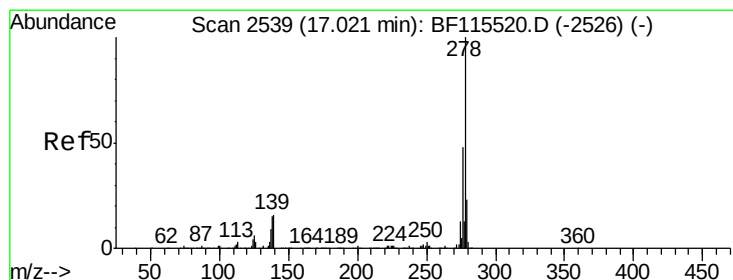
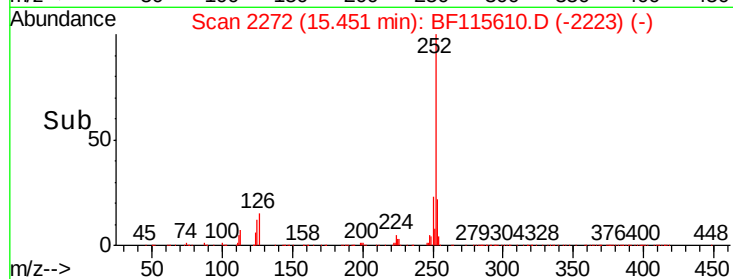
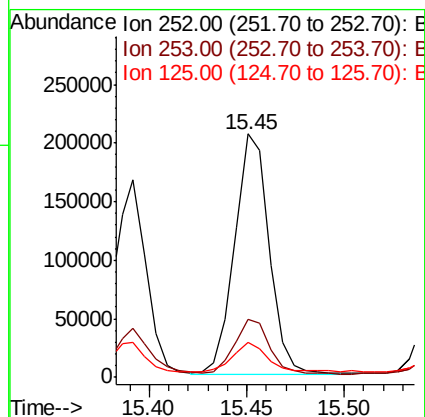
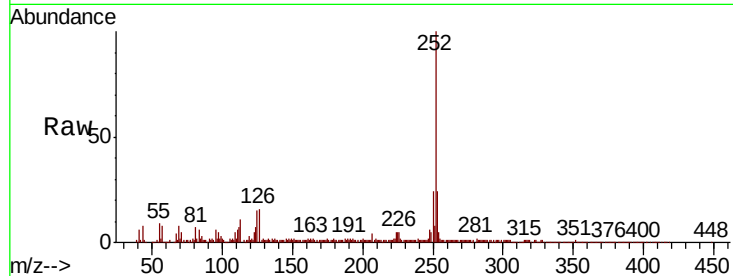
#90
Benzo(a)pyrene
Concen: 13.110 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF115610.D
Acq: 16 Jul 2019 21:05

Instrument :
BNA_F
ClientSampleId :
EO-02-071519-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	14.5	9.1	13.7

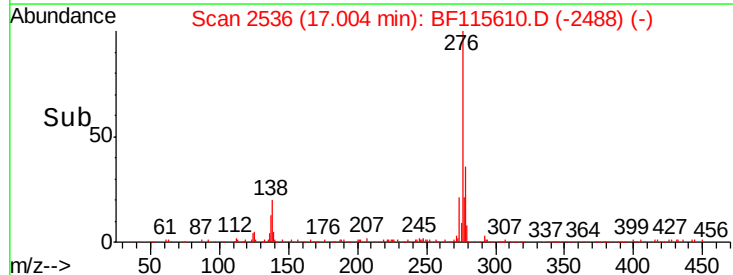
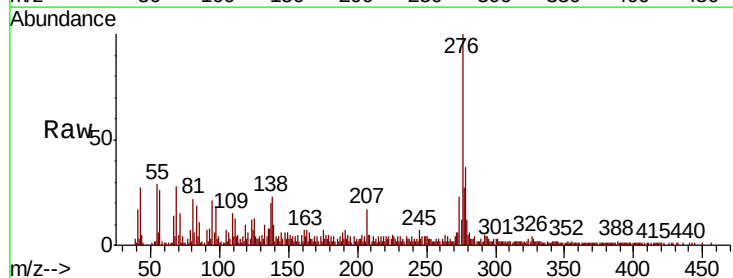
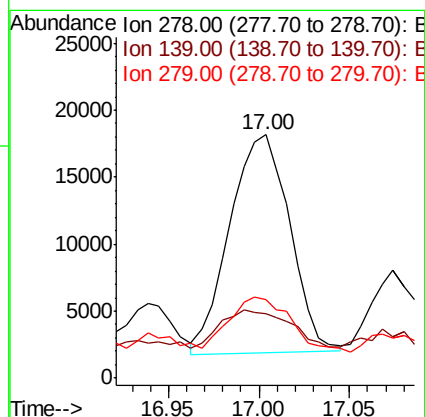
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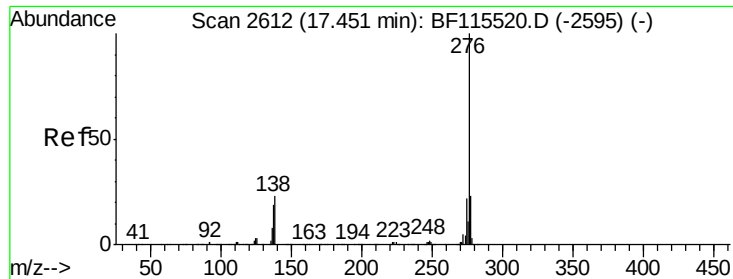
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#91
Dibenzo(a,h)anthracene
Concen: 2.213 ng
RT: 17.00 min Scan# 2536
Delta R.T. -0.02 min
Lab File: BF115610.D
Acq: 16 Jul 2019 21:05

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.7	13.1	19.7
279	32.0	19.6	29.4





#92
 Benzo(a,h,i)perylene
 Concen: 8.710 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. -0.01 min
 Lab File: BF115610.D
 Acq: 16 Jul 2019 21:05

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-071519-B

Tot Ion:	276	Resp:	147140
Ion Ratio		Lower	Upper
276	100		
277	23.5	19.0	28.4
138	22.3	17.2	25.8

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