

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
 Data File : BF115611.D
 Acq On : 16 Jul 2019 21:31
 Operator : HP/JU
 Sample : K3623-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Manual Integrations
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 7/17/2019 12:06:49 PM

Quant Time: Jul 17 05:57:56 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	6.89	152	203311	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	716966	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	327682	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	618915	20.00	ng	0.00
76) Chrysene-d12	14.04	240	521219	20.00	ng	0.00
87) Perylene-d12	15.52	264	404816	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	440201	35.42	ng	0.00
7) Phenol-d6	6.50	99	549918	34.87	ng	-0.01
23) Nitrobenzene-d5	7.44	82	330164	26.78	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	128554	33.61	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	606973	32.42	ng	-0.01
79) Terphenyl-d14	12.99	244	668983	23.68	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.63	163	76992	3.123	ng	97
71) Phenanthrene	11.43	178	203077	6.401	ng	97
72) Anthracene	11.48	178	70198	2.141	ng	98
75) Fluoranthene	12.62	202	585707	17.471	ng	98
78) Pyrene	12.84	202	582135	13.183	ng	97
81) Benzo(a)anthracene	14.03	228	242642	7.066	ng	99
83) Chrysene	14.07	228	202981	5.889	ng	96
86) Indeno(1,2,3-cd)pyrene	17.00	276	89067	3.041	ng	97
88) Benzo(b)fluoranthene	15.09	252	224222m	8.602	ng	
89) Benzo(k)fluoranthene	15.12	252	62019m	2.669	ng	
90) Benzo(a)pyrene	15.46	252	153802	6.865	ng	# 92
92) Benzo(a,h,i)perylene	17.44	276	86231	4.396	ng	# 92

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

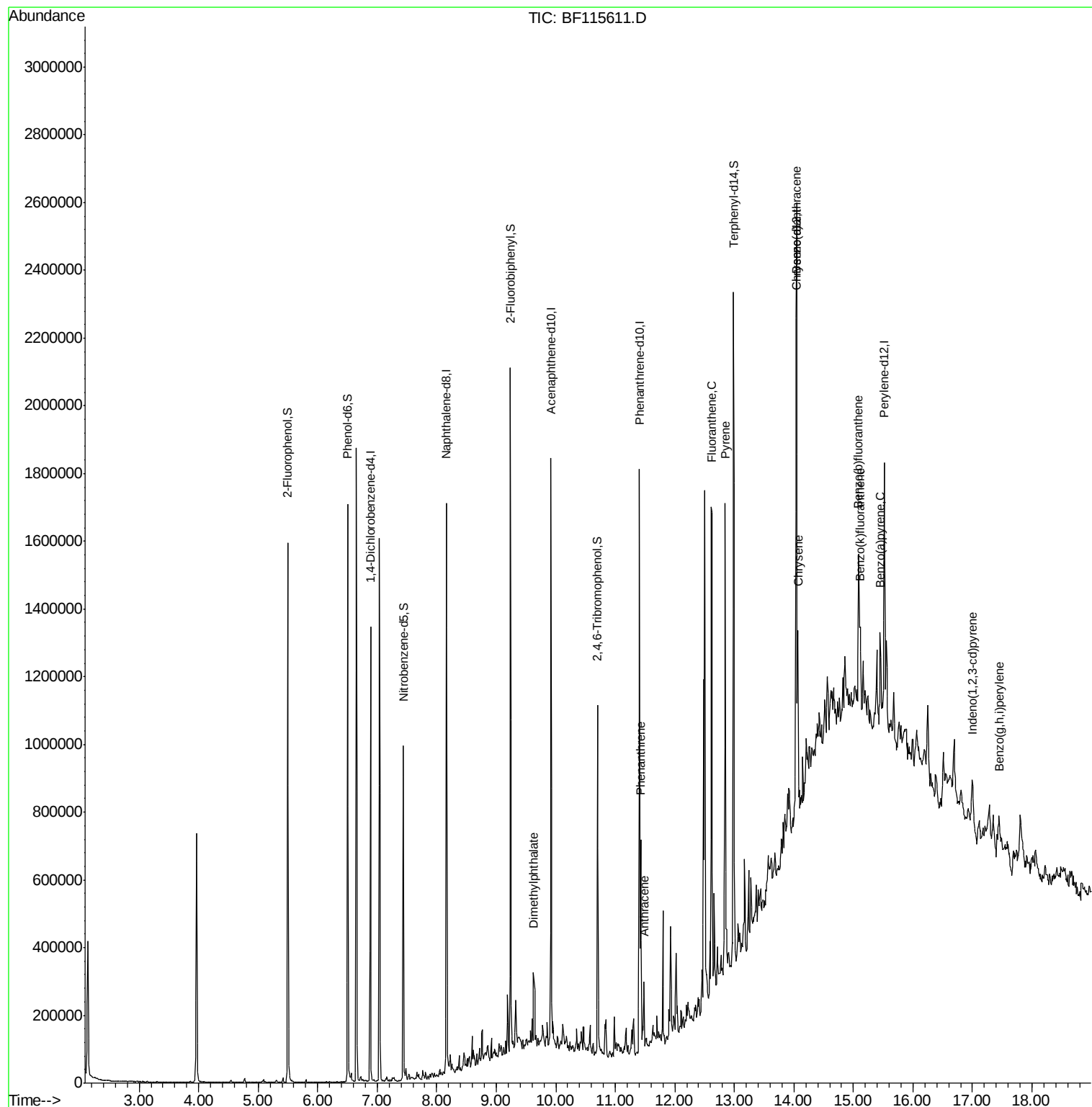
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
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Sample : K3623-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

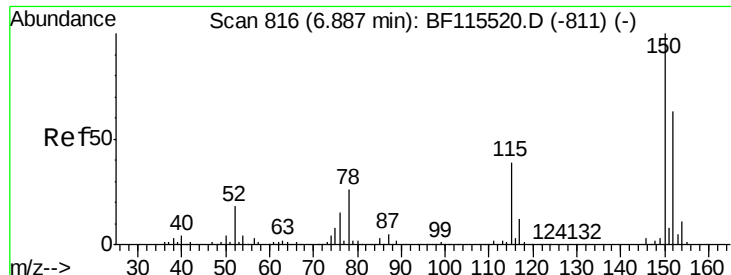
Instrument :
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EO-02-071519-A

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#1

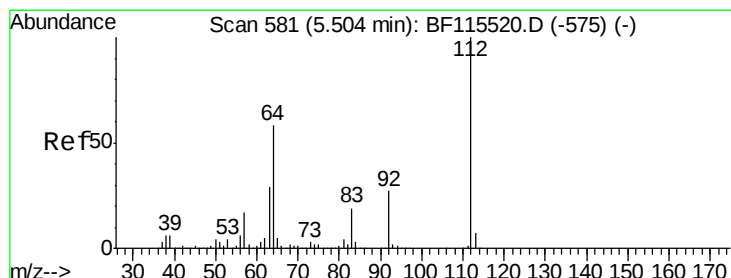
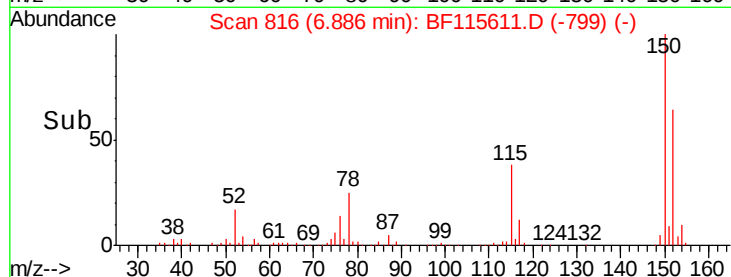
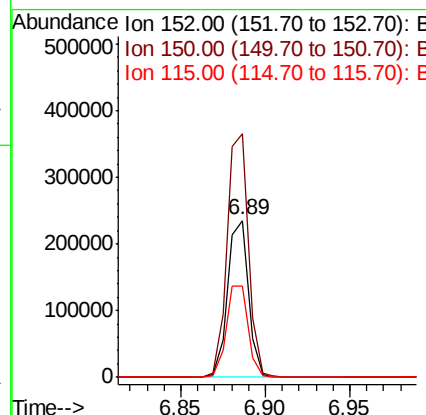
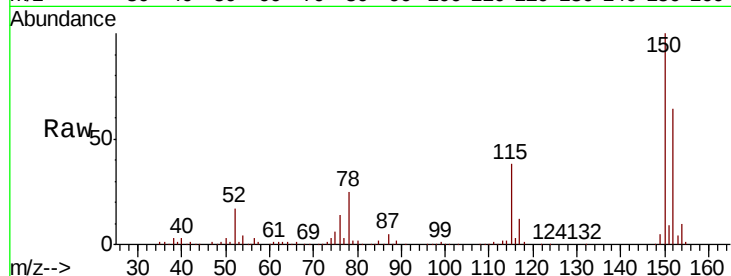
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	129.7	194.5
115	58.4	48.2	72.4

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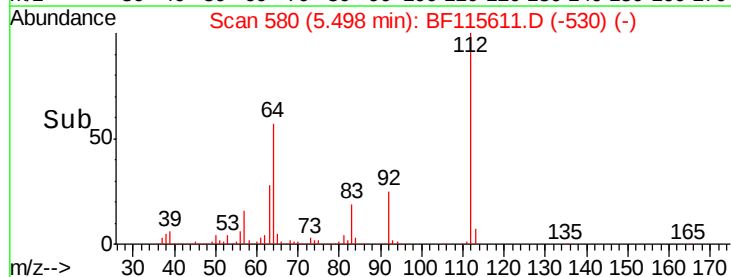
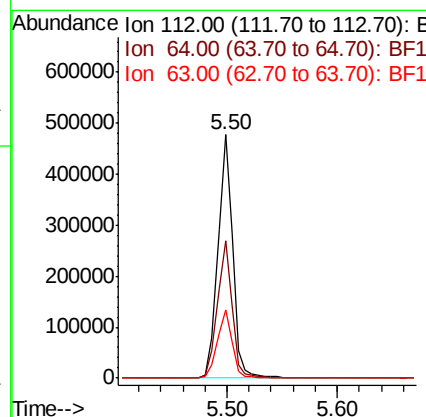
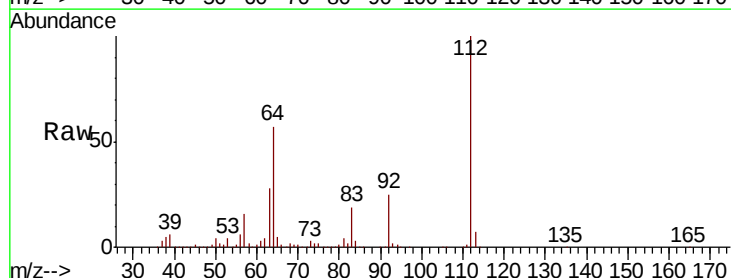
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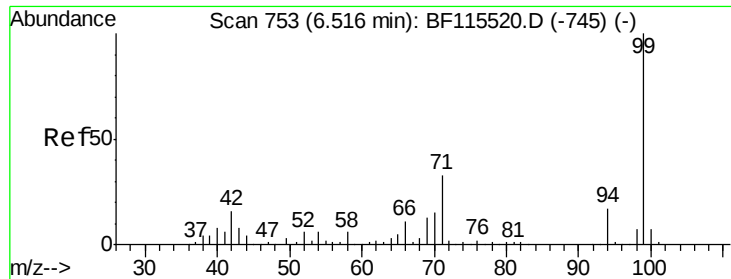


#5

2-Fluorophenol
Concen: 35.416 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	46.8	70.2
63	28.2	24.1	36.1





#7

Phenol-d6

Concen: 34.868 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115611.D

Acq: 16 Jul 2019 21:31

Instrument :

BNA_F

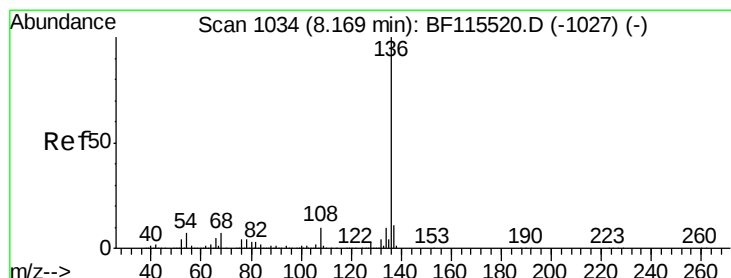
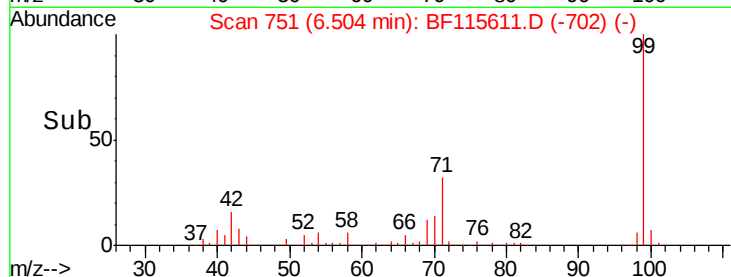
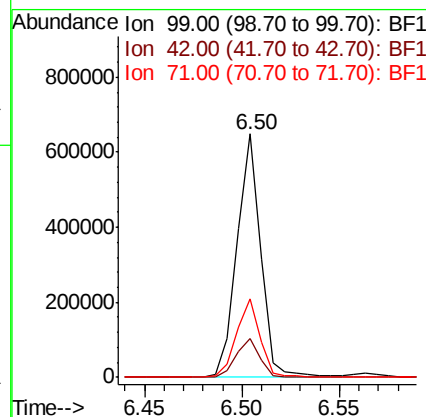
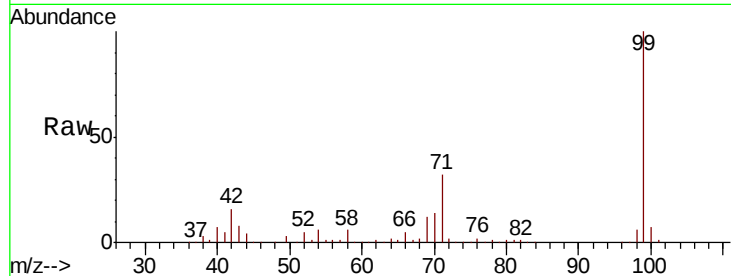
ClientSampleId :

EO-02-071519-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		549918		
42	16.2	13.6	20.4		
71	32.1	28.5	42.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

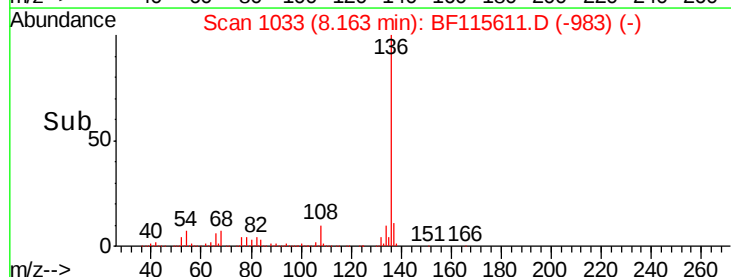
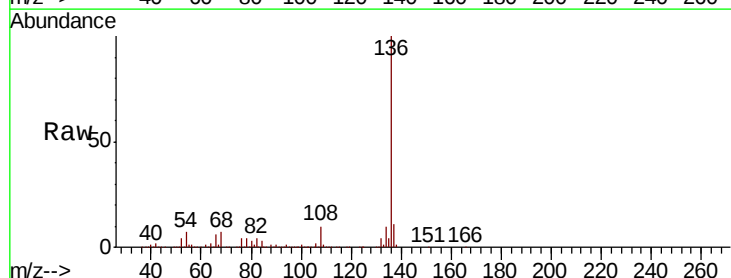
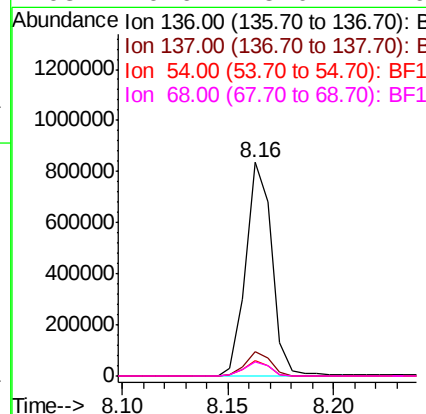
RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115611.D

Acq: 16 Jul 2019 21:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		716966		
137	11.2	9.0	13.4		
54	7.4	5.6	8.4		
68	6.6	5.0	7.6		





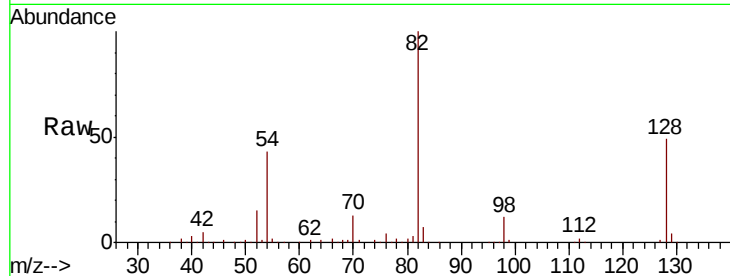
#23
 Nitrobenzene-d5
 Concen: 26.777 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF115611.D
 Acq: 16 Jul 2019 21:31

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

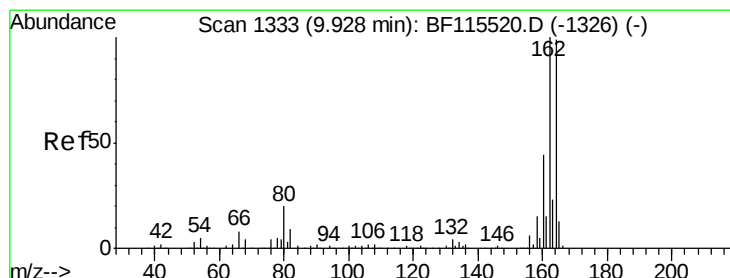
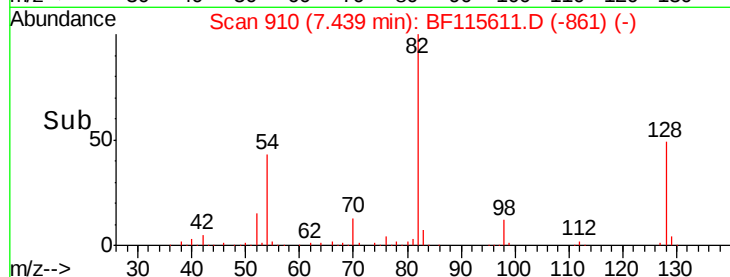
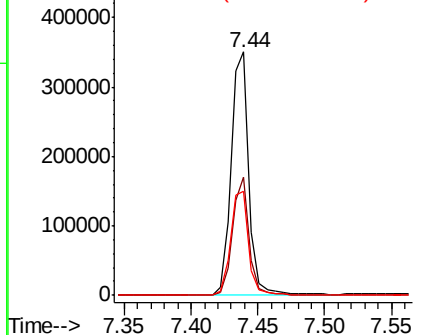
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.7	38.6	57.8
54	42.9	35.6	53.4

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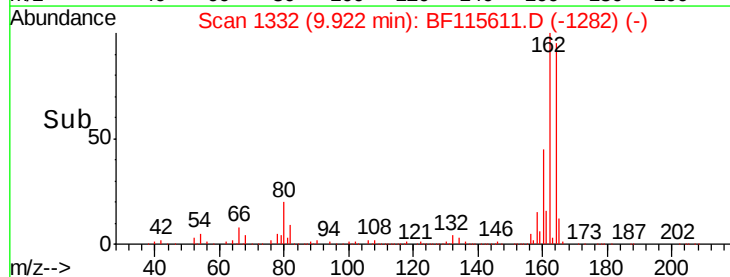
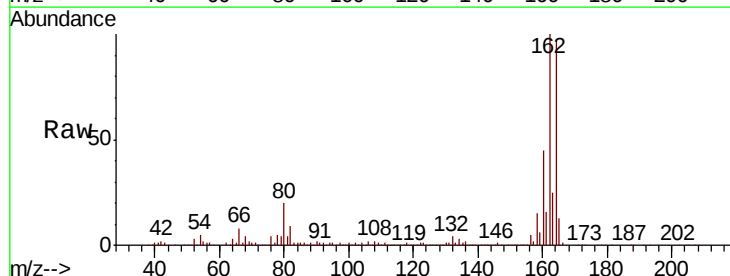
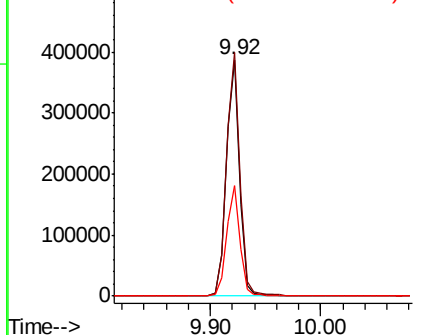
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF115611.D
 Acq: 16 Jul 2019 21:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.9	124.3
160	46.6	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: 33.610 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF115611.D

Acq: 16 Jul 2019 21:31

Instrument :

BNA_F

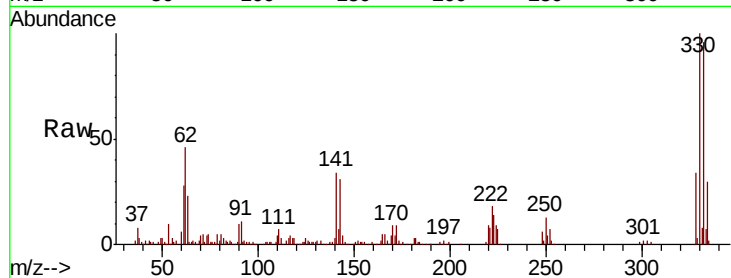
ClientSampleId :

EO-02-071519-A

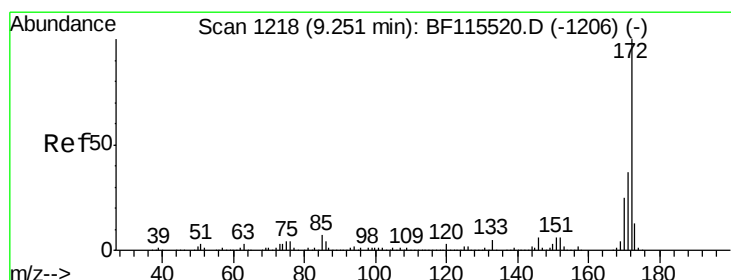
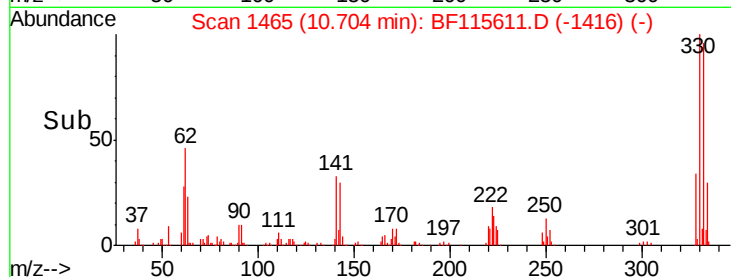
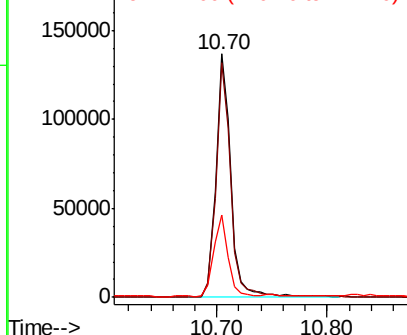
Tot Ion:	330	Resp:	128554
Ion Ratio	Lower	Upper	
330	100		
332	93.8	77.4	116.2
141	31.9	22.4	33.6

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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: 32.421 ng

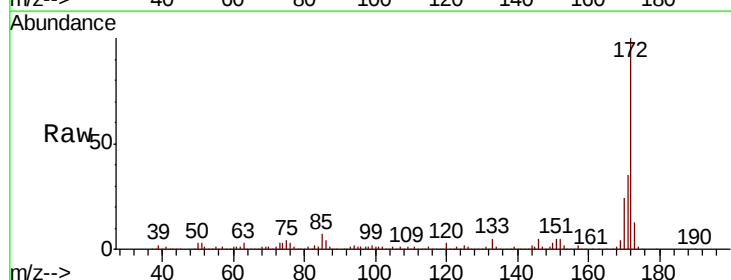
RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

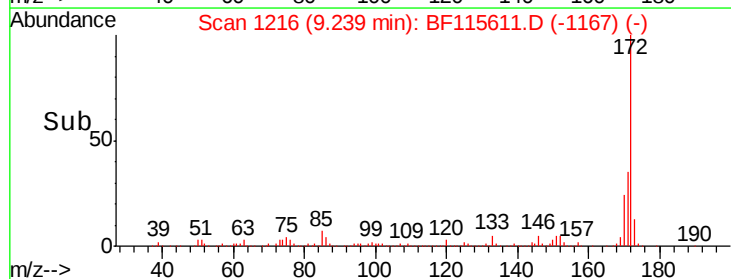
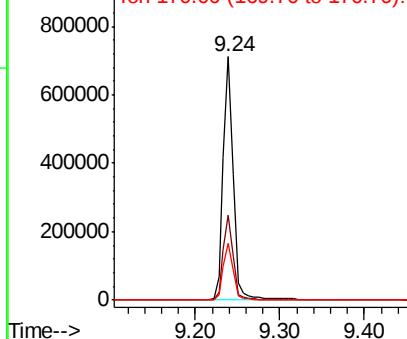
Lab File: BF115611.D

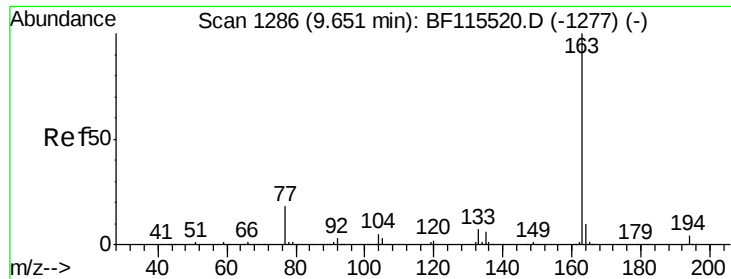
Acq: 16 Jul 2019 21:31

Tgt Ion:	172	Resp:	606973
Ion Ratio	Lower	Upper	
172	100		
171	35.1	30.6	46.0
170	23.5	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





#50

Dimethylphthalate

Concen: 3.123 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF115611.D

Acq: 16 Jul 2019 21:31

Instrument :

BNA_F

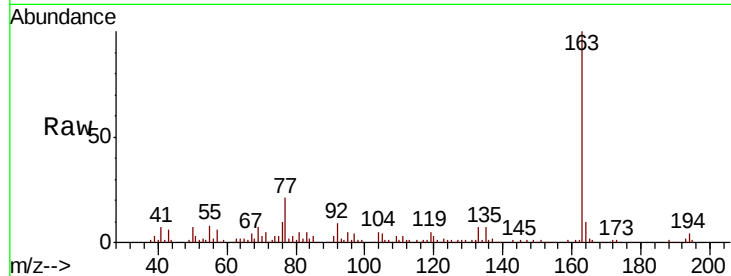
ClientSampleId :

EO-02-071519-A

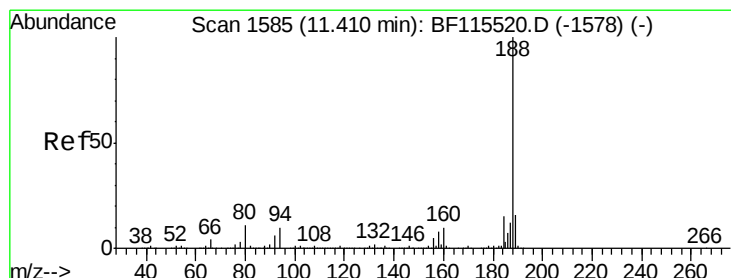
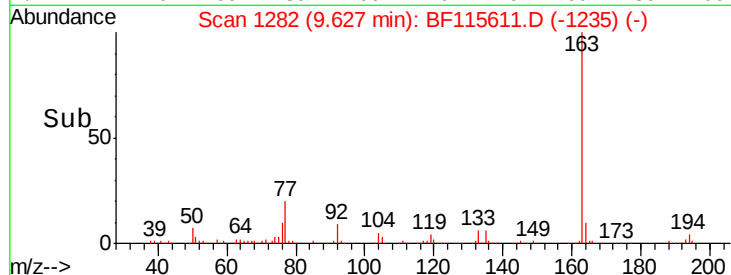
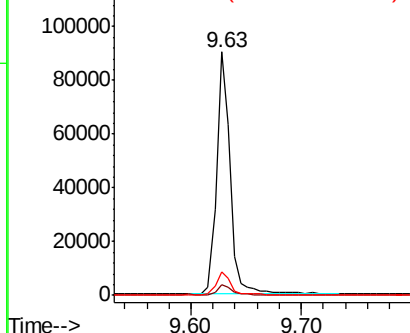
Tot Ion:163	Resp:	76992
Ion Ratio	Lower	Upper
163	100	
194	4.2	3.3 4.9
164	9.6	8.7 13.1

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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: 11.40 min Scan# 1584

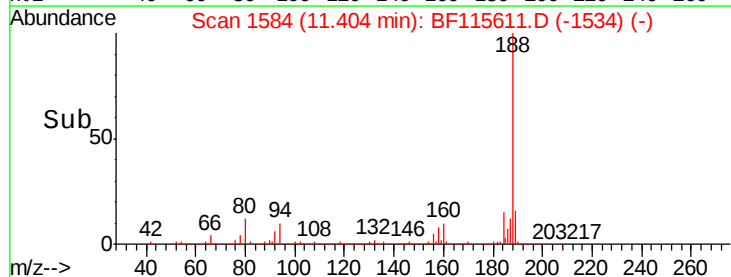
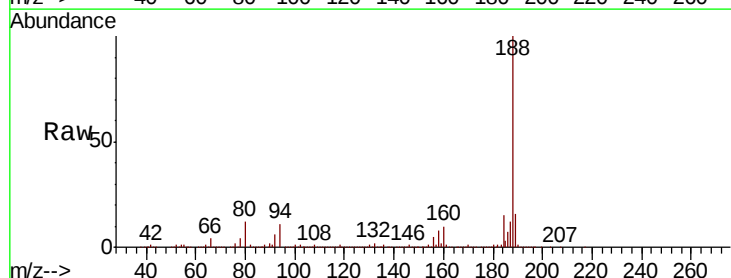
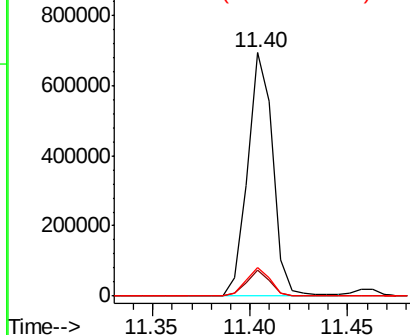
Delta R.T. -0.01 min

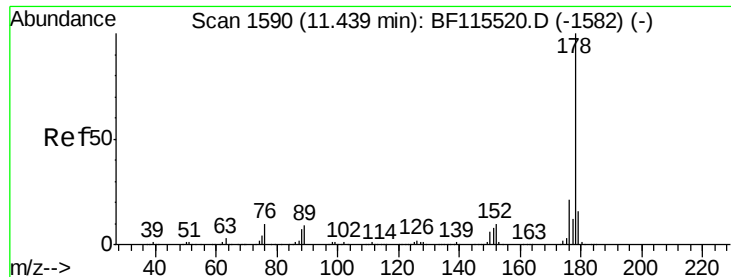
Lab File: BF115611.D

Acq: 16 Jul 2019 21:31

Tgt Ion:188	Resp:	618915
Ion Ratio	Lower	Upper
188	100	
94	10.5	7.8 11.6
80	11.7	8.6 13.0

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





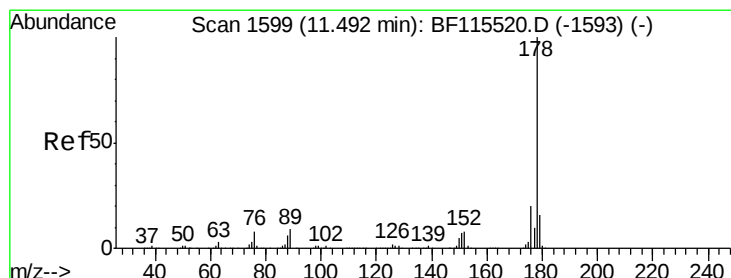
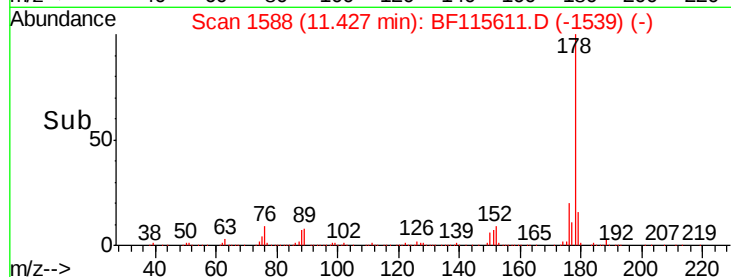
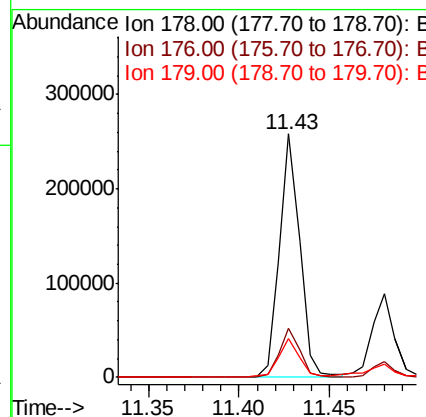
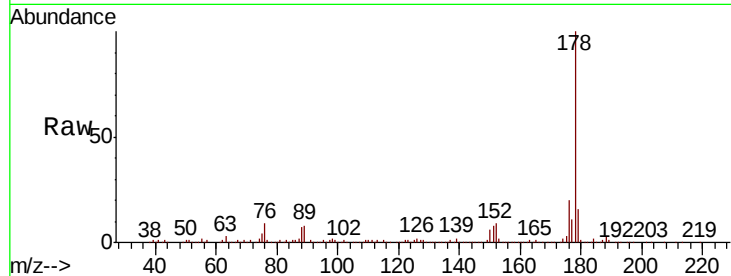
#71
Phenanthrene
Concen: 6.401 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

Instrument :
BNA_F
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EO-02-071519-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	17.2	25.8
179	15.9	13.5	20.3

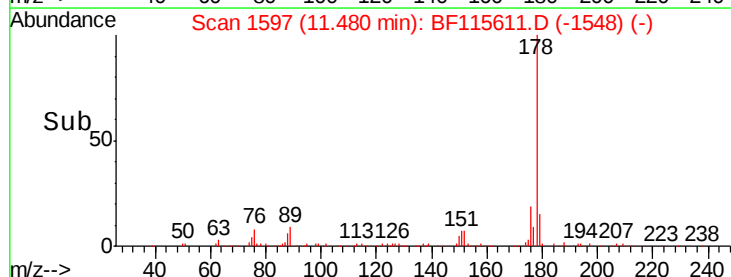
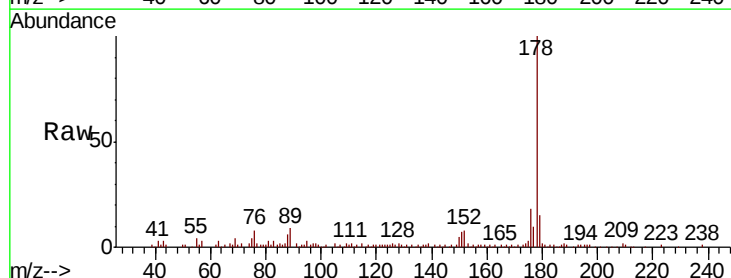
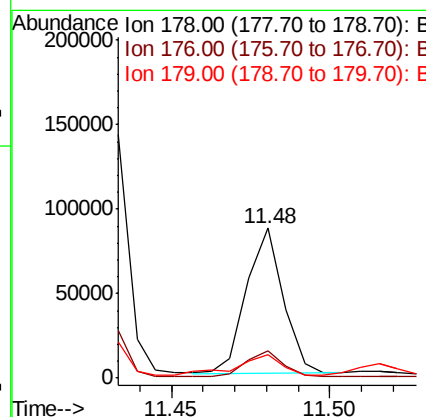
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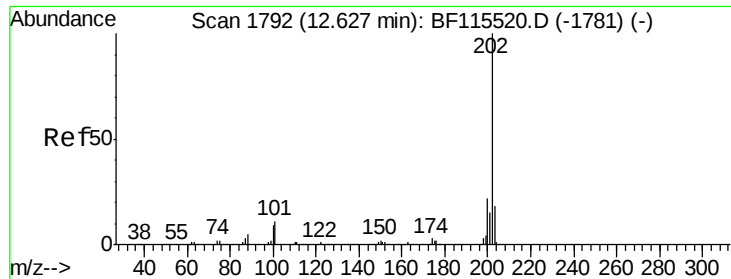
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#72
Anthracene
Concen: 2.141 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.9	23.9
179	15.3	12.7	19.1





#75

Fluoranthene

Concen: 17.471 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF115611.D

Acq: 16 Jul 2019 21:31

Instrument :

BNA_F

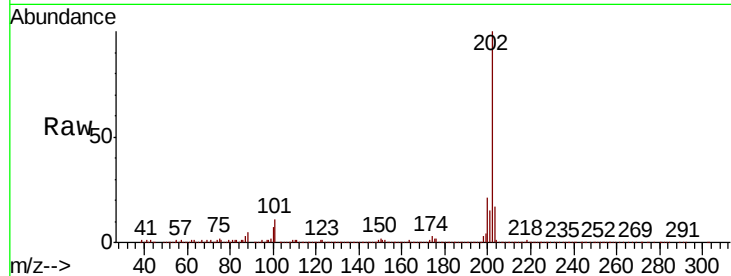
ClientSampleId :

EO-02-071519-A

Tot Ion:	202	Resp:	585707
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	31.4
203	17.3	0.0	38.1

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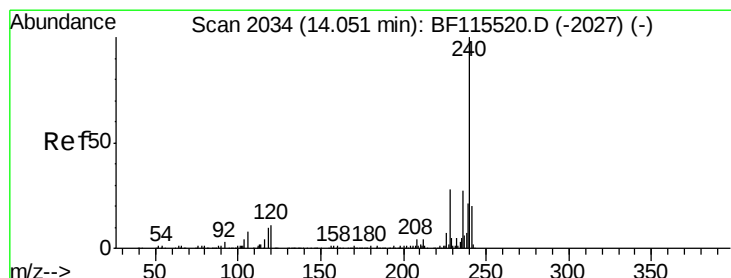
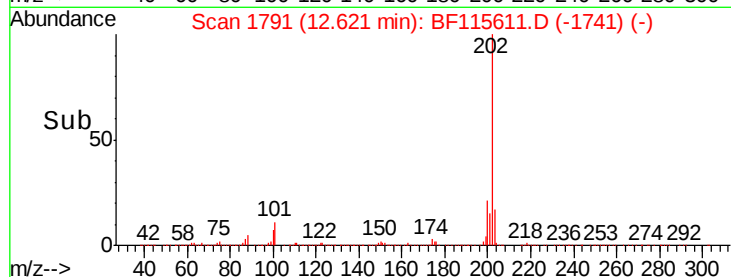
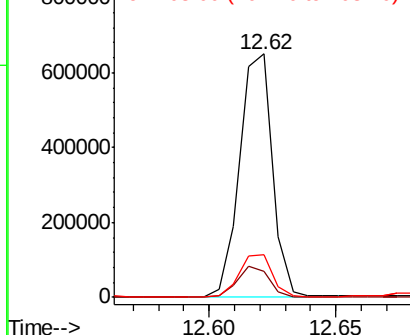


Abundance

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

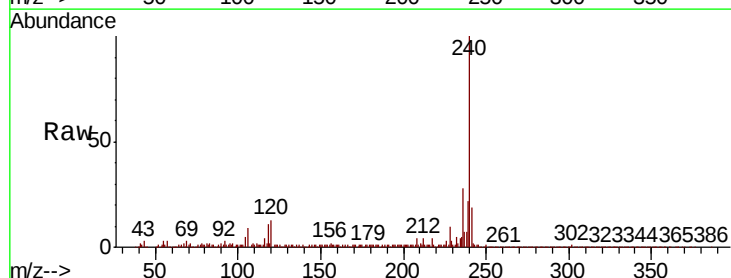
RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF115611.D

Acq: 16 Jul 2019 21:31

Tgt Ion:	240	Resp:	521219
Ion Ratio	Lower	Upper	
240	100		
120	12.5	8.6	13.0
236	27.5	21.3	31.9

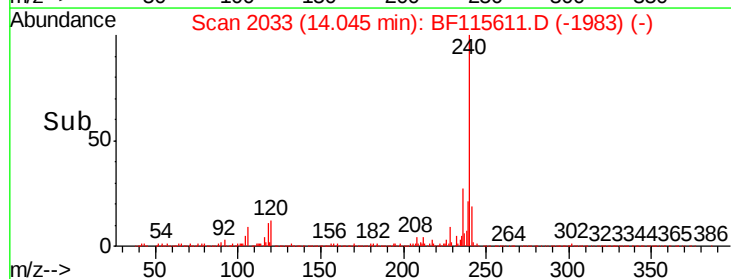
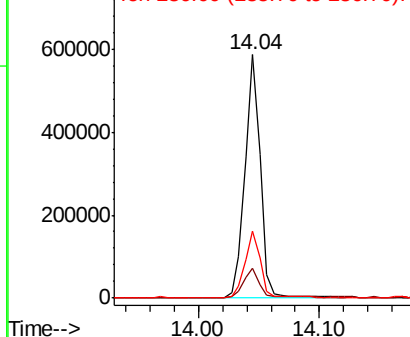


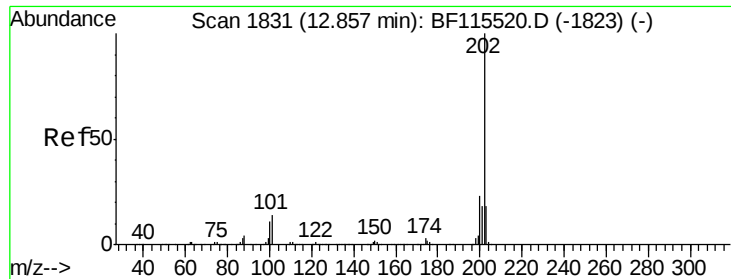
Abundance

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





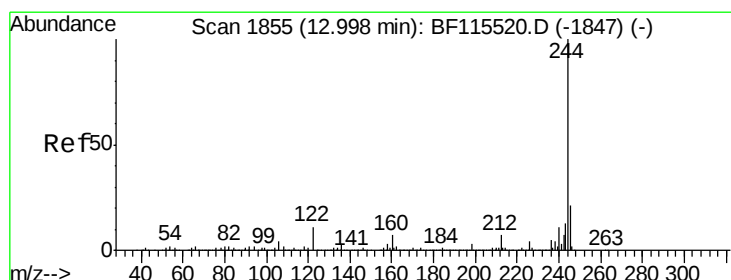
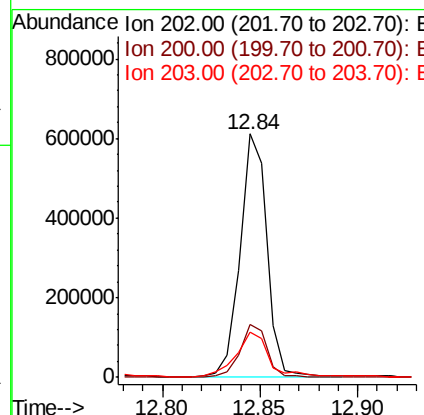
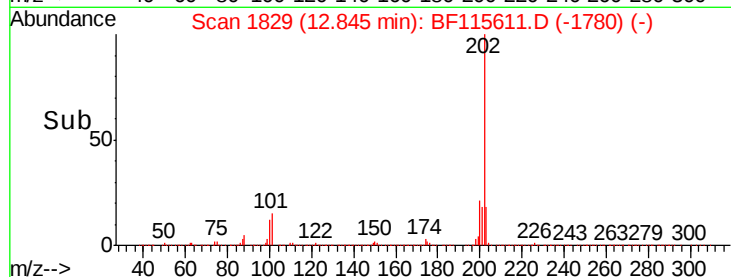
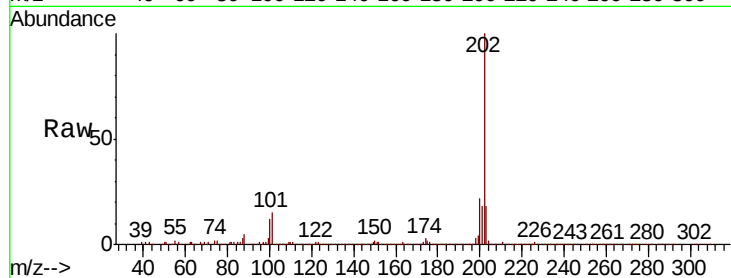
#78
Pvrene
Concen: 13.183 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	18.7	28.1
203	18.4	15.2	22.8

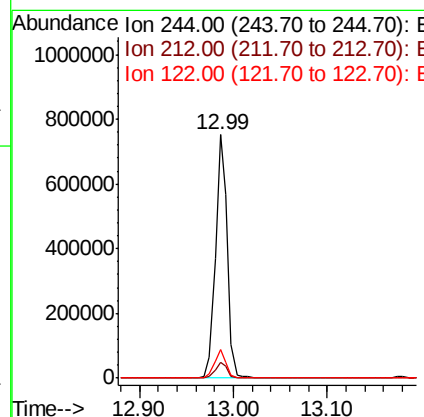
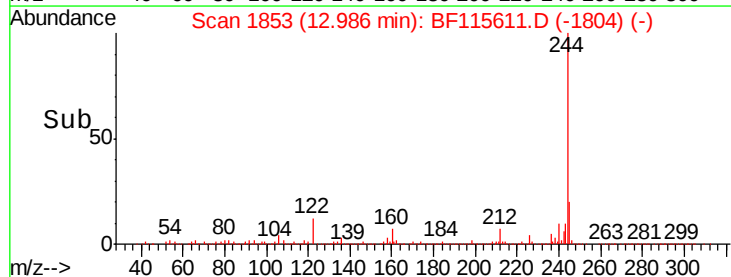
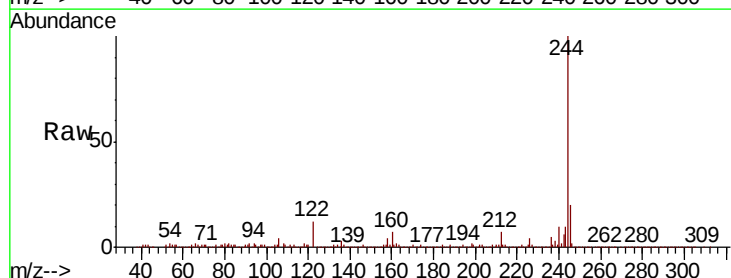
Manual Integrations
APPROVED

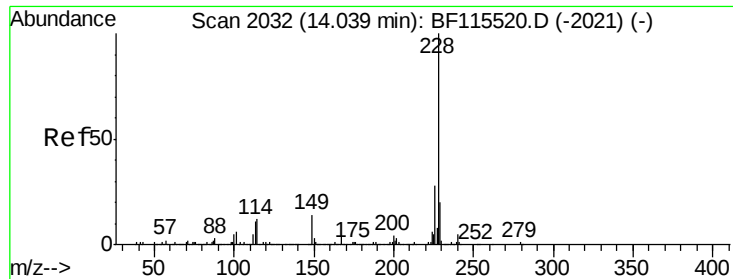
mohammad
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#79
Terphenyl-d14
Concen: 23.683 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	11.7	8.6	12.8





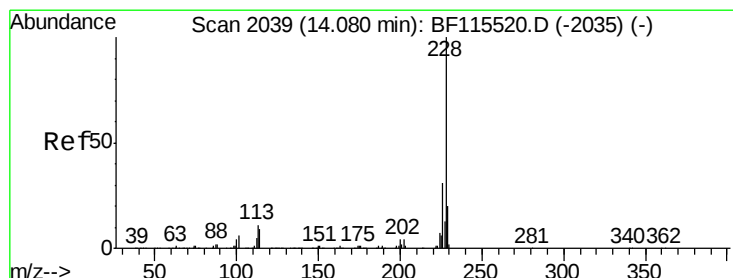
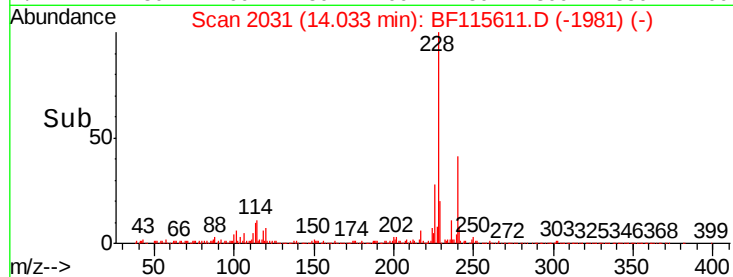
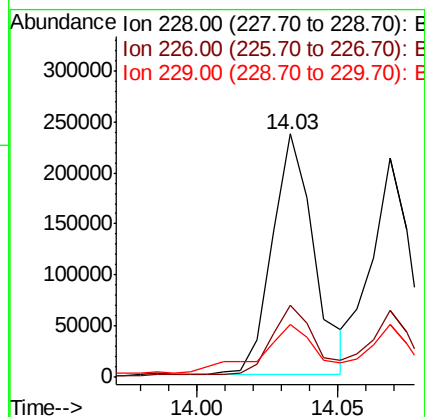
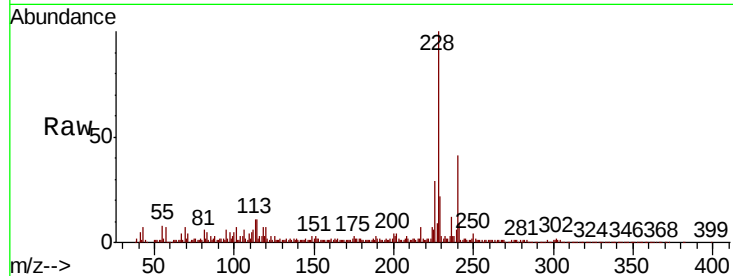
#81
Benzo(a)anthracene
Concen: 7.066 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.4	35.0
229	21.8	17.2	25.8

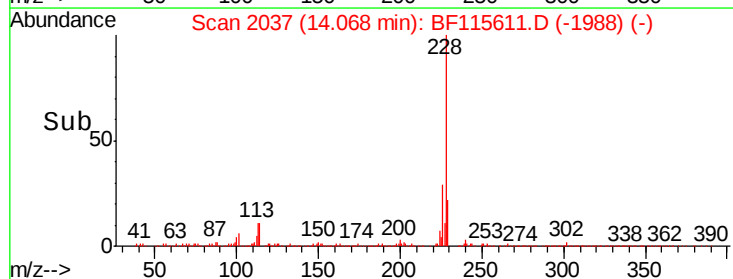
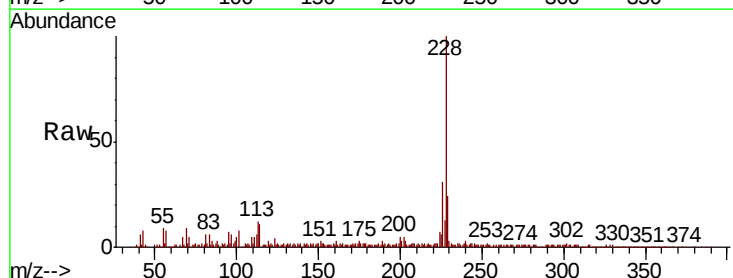
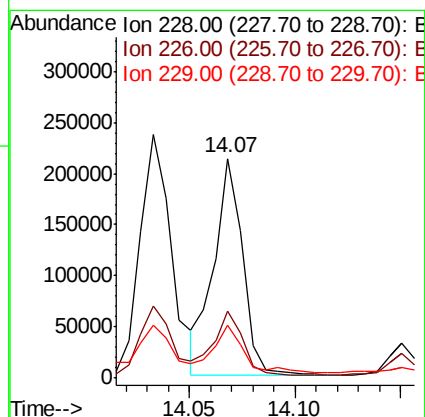
Manual Integrations
APPROVED

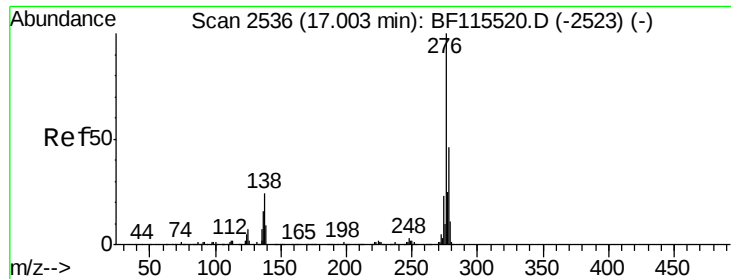
mohammad
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#83
Chrysene
Concen: 5.889 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.7	38.5
229	24.0	16.6	25.0





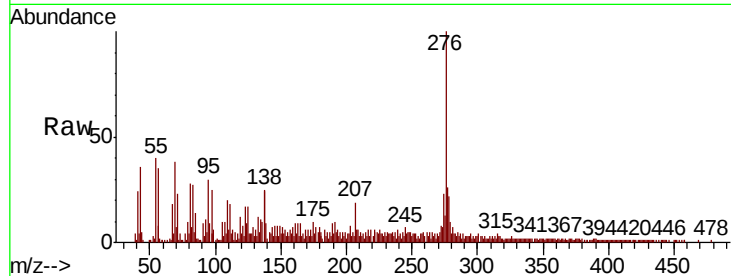
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.041 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.7	20.2	30.2
277	24.8	20.4	30.6

Manual Integrations
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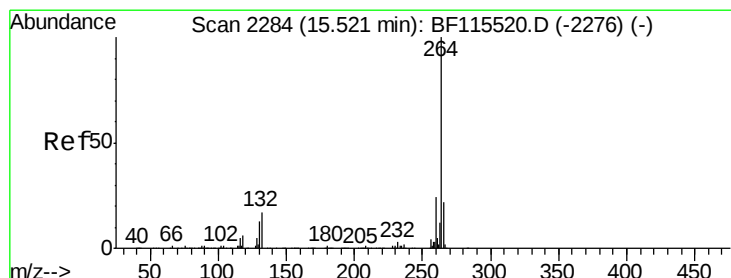
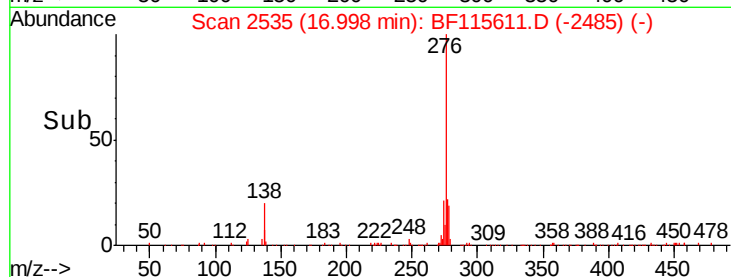
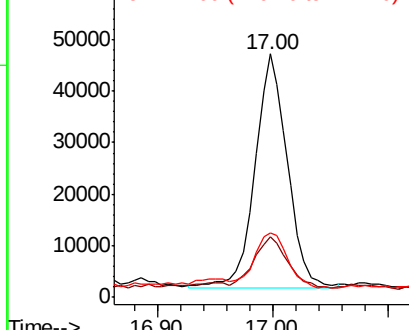


Abundance

Ion 276.00 (275.70 to 276.70): E

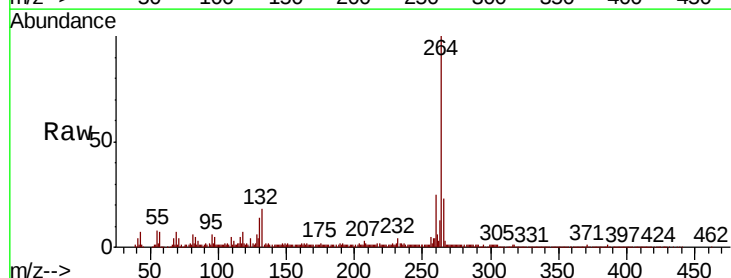
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.00 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.8	29.8
265	22.9	17.7	26.5

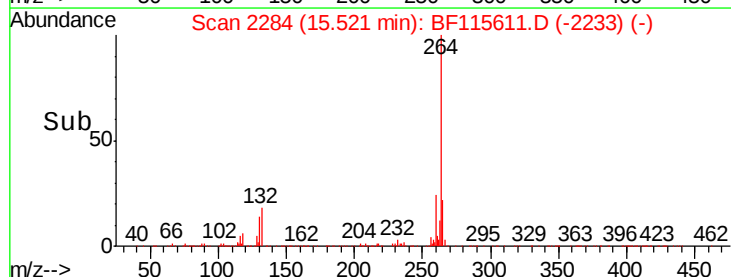
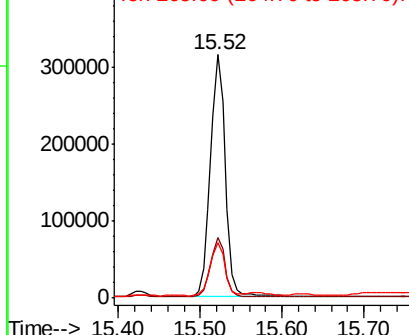


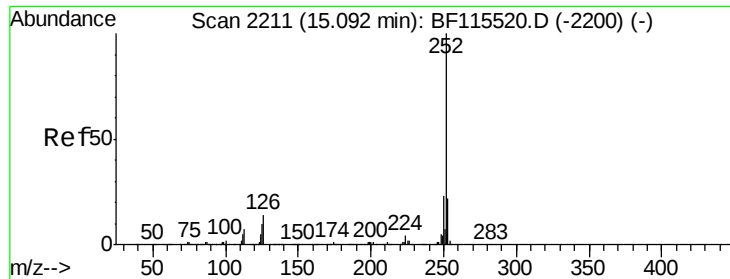
Abundance

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





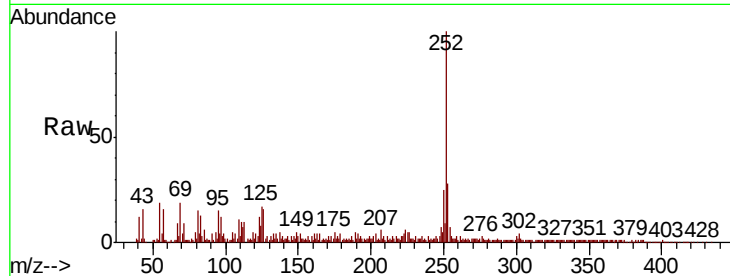
#88
Benzo(b)fluoranthene
Concen: 8.602 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.1	18.1	27.1#
125	16.6	9.0	13.4#

Manual Integrations
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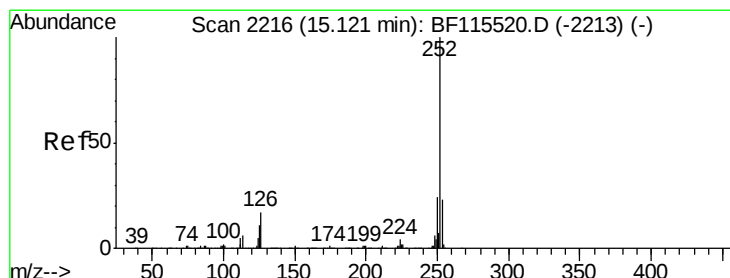
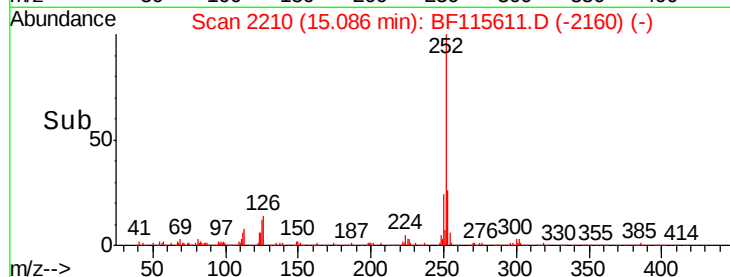
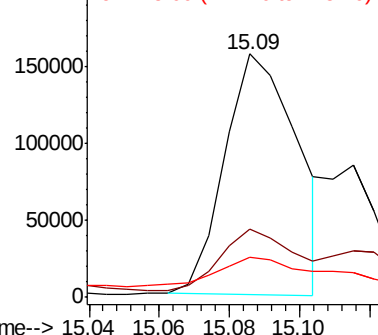


Abundance

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: 2.669 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

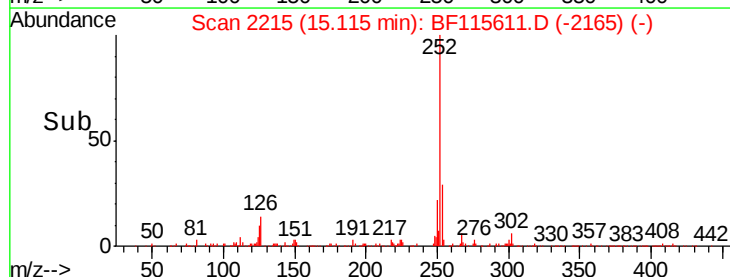
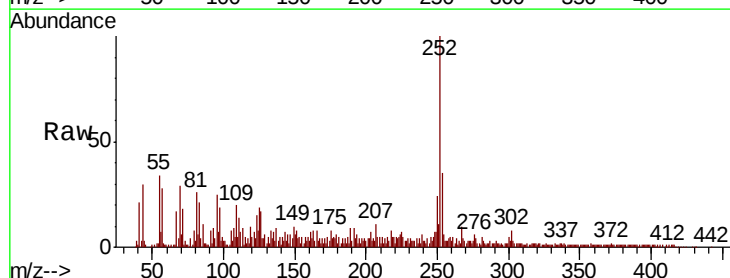
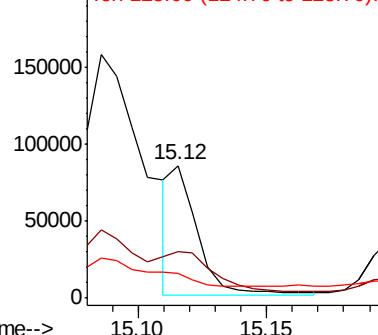
Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.4	18.6	28.0#
125	19.0	9.0	13.6#

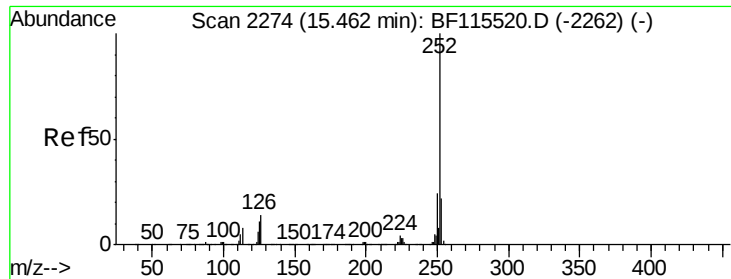
Abundance

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





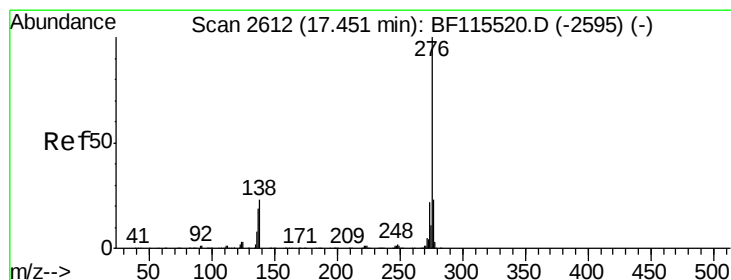
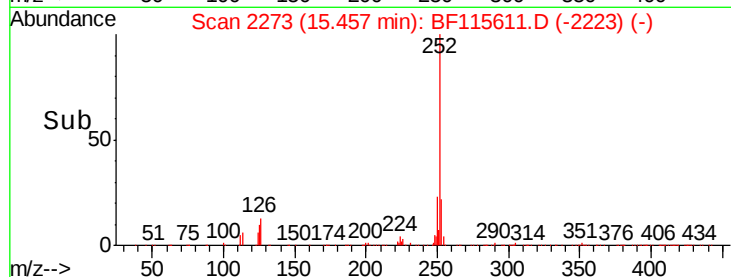
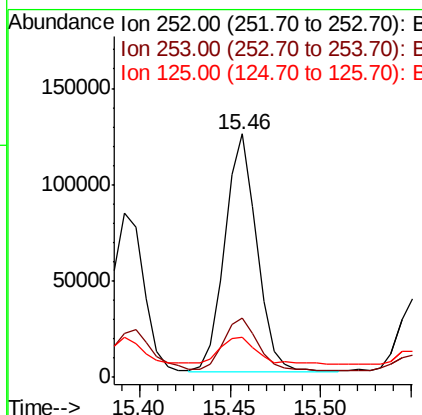
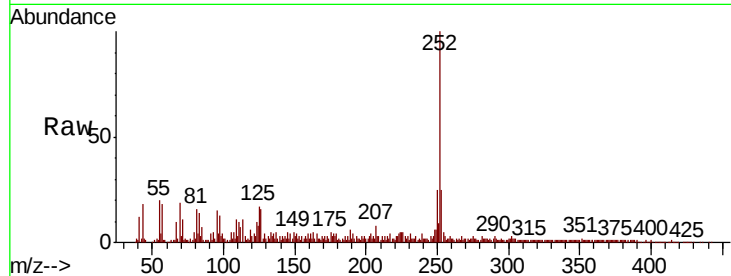
#90
Benzo(a)pyrene
Concen: 6.865 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.6
125	16.6	9.1	13.7

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 4.396 ng
RT: 17.44 min Scan# 2611
Delta R.T. -0.01 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	19.0	28.4
138	26.9	17.2	25.8

