

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072219\
 Data File : BF115712.D
 Acq On : 22 Jul 2019 16:33
 Operator : HP/JU
 Sample : K3622-09 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-071919-A

Manual Integrations
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Quant Time: Jul 23 03:33:49 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	174050	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	672443	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	335403	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	513783	20.00	ng	0.00
76) Chrysene-d12	14.04	240	413219	20.00	ng	0.00
87) Perylene-d12	15.53	264	408624	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	411234	38.65	ng	0.00
7) Phenol-d6	6.50	99	547406	40.54	ng	-0.01
23) Nitrobenzene-d5	7.43	82	324084	28.02	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	125206	31.98	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	573765	29.94	ng	-0.02
79) Terphenyl-d14	12.99	244	497065	22.20	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.63	163	75860	3.006	ng	98
71) Phenanthrene	11.43	178	272205	10.336	ng	97
72) Anthracene	11.47	178	82023	3.014	ng	99
75) Fluoranthene	12.62	202	487479	17.516	ng	98
78) Pyrene	12.84	202	473351	13.521	ng	97
81) Benzo(a)anthracene	14.03	228	226059	8.304	ng	99
83) Chrysene	14.07	228	187410	6.858	ng	95
86) Indeno(1,2,3-cd)pyrene	17.01	276	70041	3.017	ng	95
88) Benzo(b)fluoranthene	15.09	252	211796m	8.049	ng	
89) Benzo(k)fluoranthene	15.12	252	59121m	2.520	ng	
90) Benzo(a)pyrene	15.46	252	150106	6.637	ng	# 92
92) Benzo(a,h,i)perylene	17.46	276	66503	3.359	ng	# 90

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

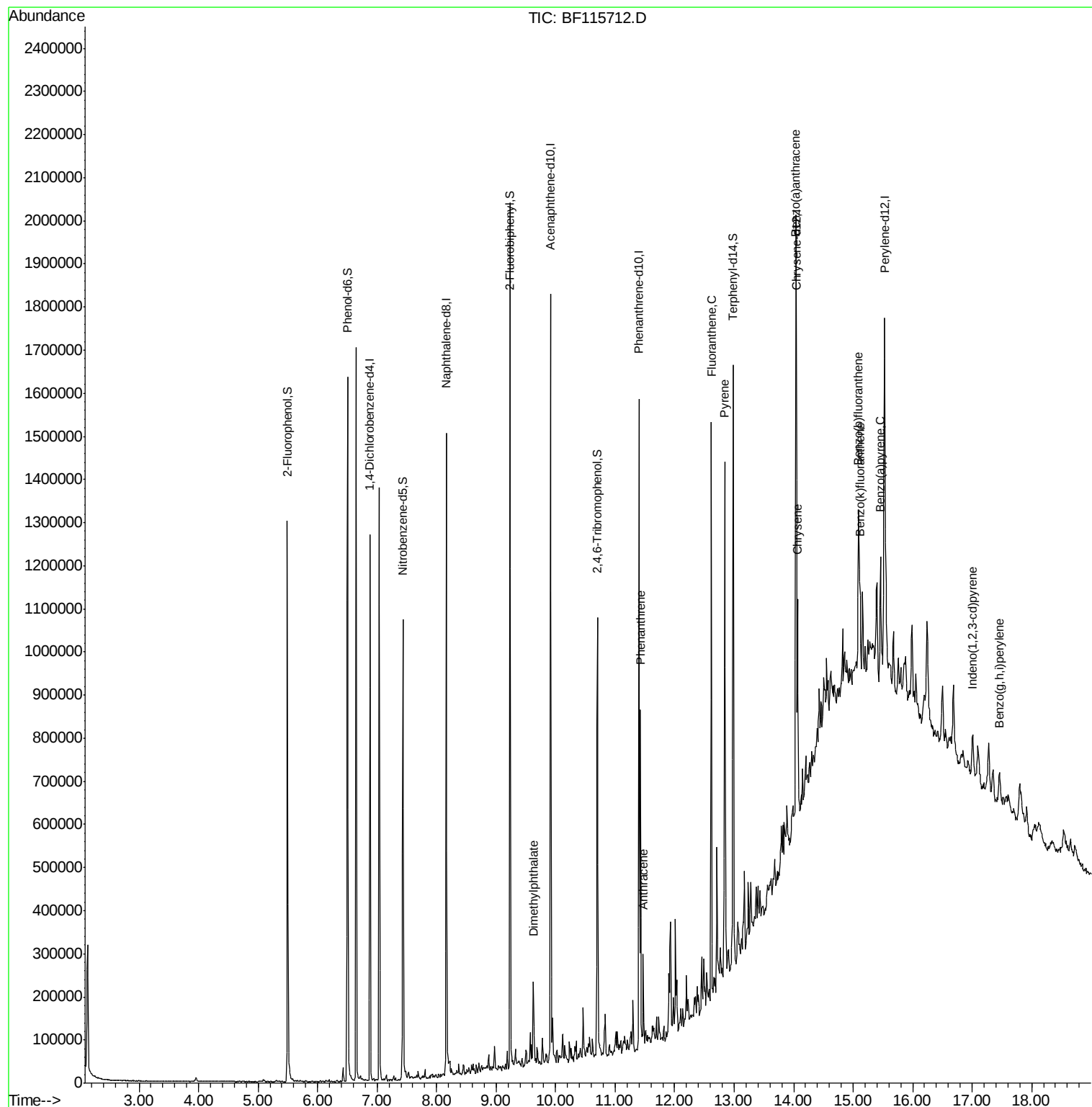
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072219\
Data File : BF115712.D
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Misc :
ALS Vial : 14 Sample Multiplier: 1

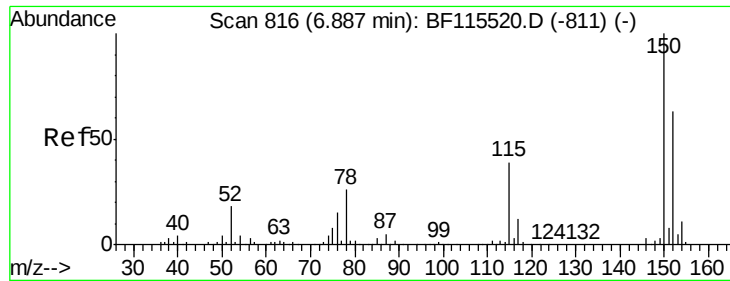
Instrument :
BNA_F
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OR-02-071919-A

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
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#1

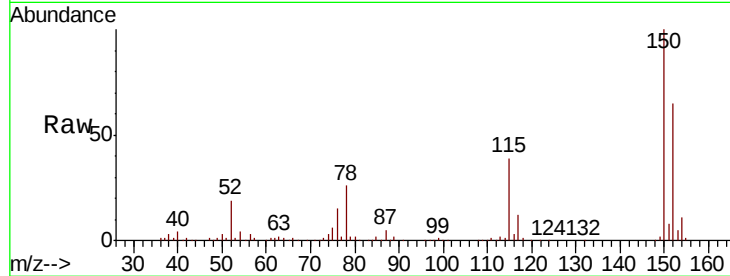
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

Instrument :
BNA_F
ClientSampleId :
OR-02-071919-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	129.7	194.5
115	59.8	48.2	72.4

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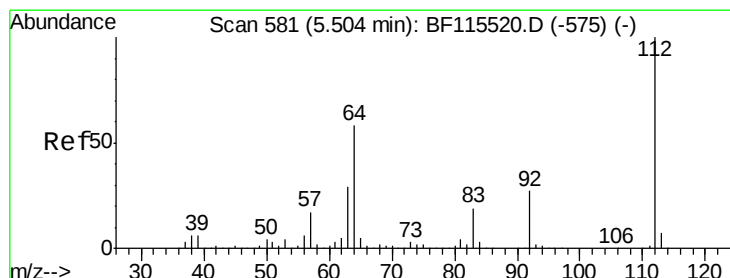
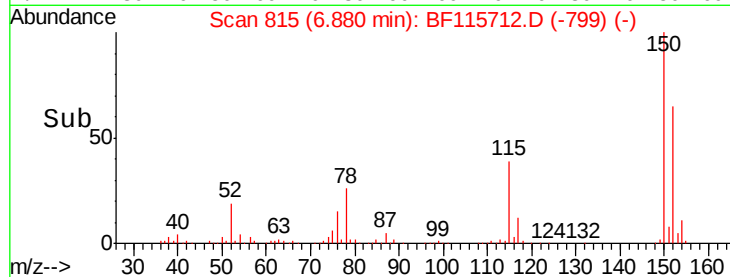
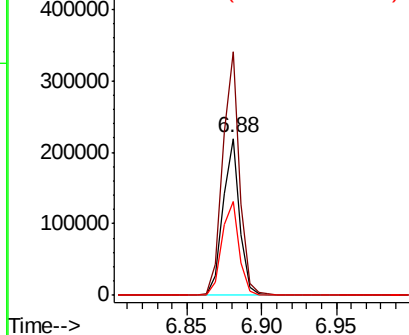


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

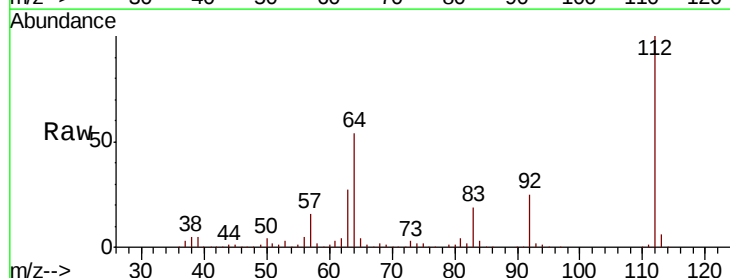
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 38.647 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	46.8	70.2
63	27.2	24.1	36.1

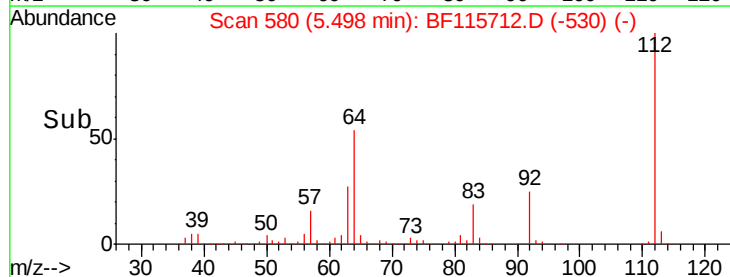
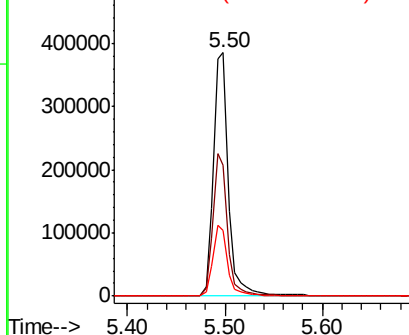


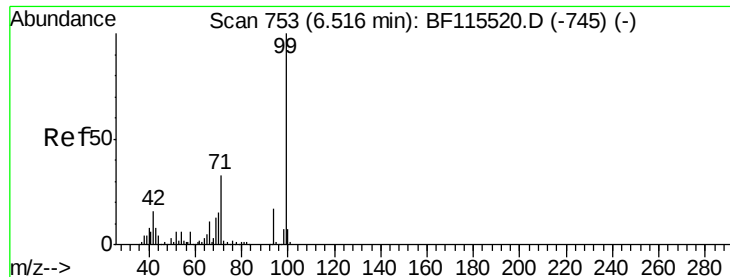
Abundance

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: 40.543 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115712.D

Acq: 22 Jul 2019 16:33

Instrument :

BNA_F

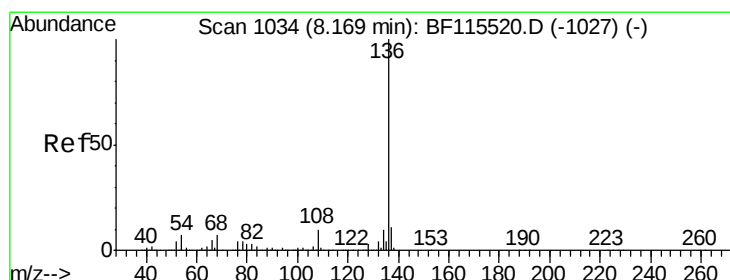
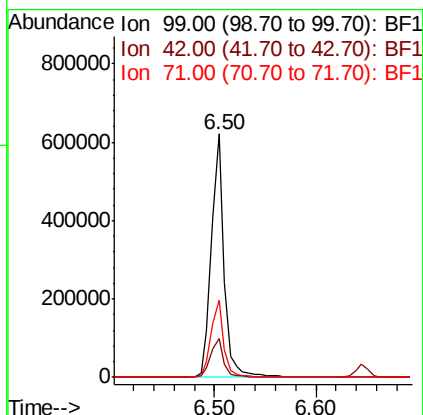
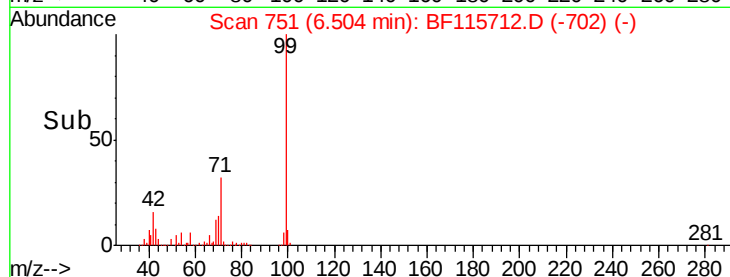
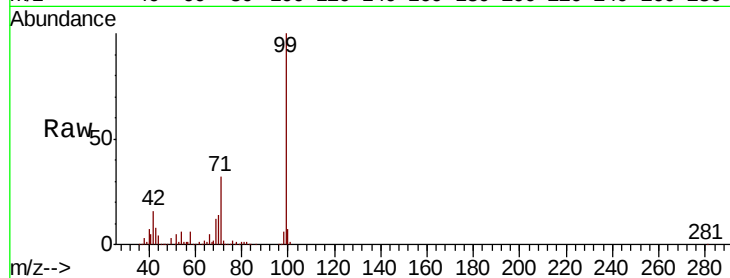
ClientSampleId :

OR-02-071919-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		547406		
42	16.0	13.6	20.4		
71	31.8	28.5	42.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

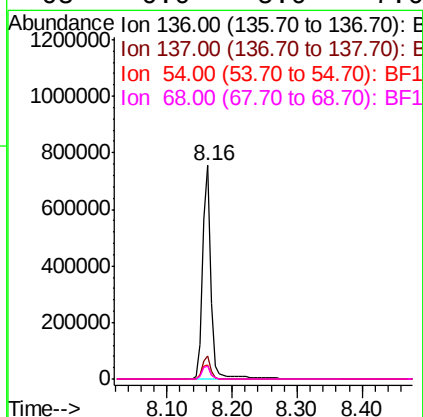
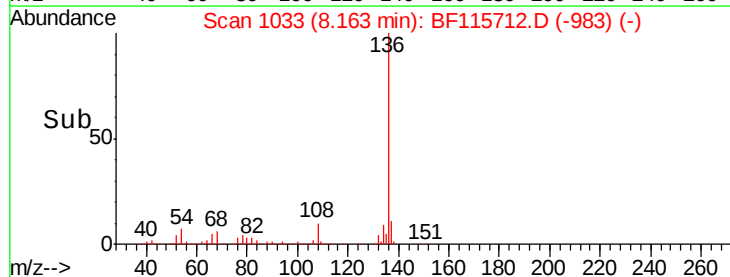
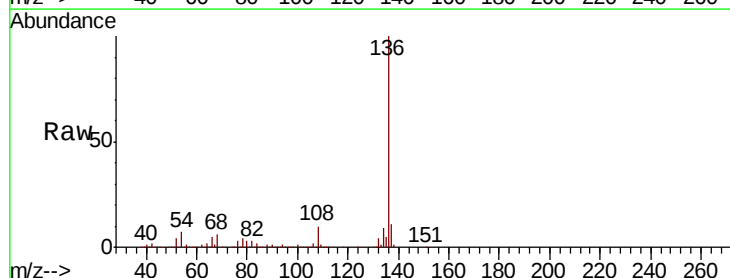
RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115712.D

Acq: 22 Jul 2019 16:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		672443		
137	11.0	9.0	13.4		
54	6.6	5.6	8.4		
68	6.0	5.0	7.6		





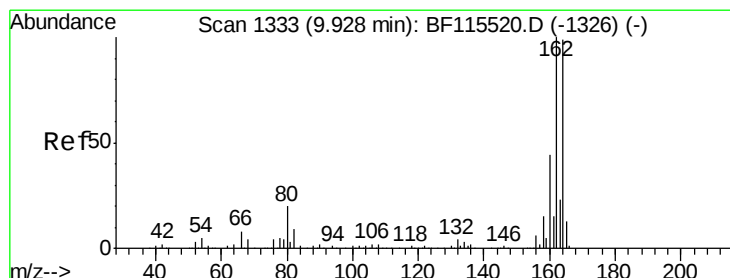
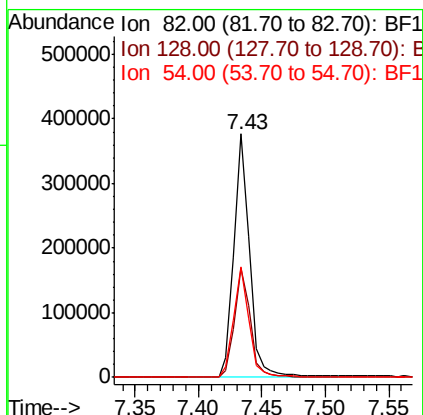
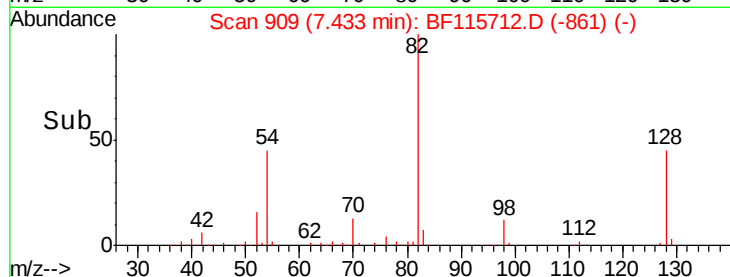
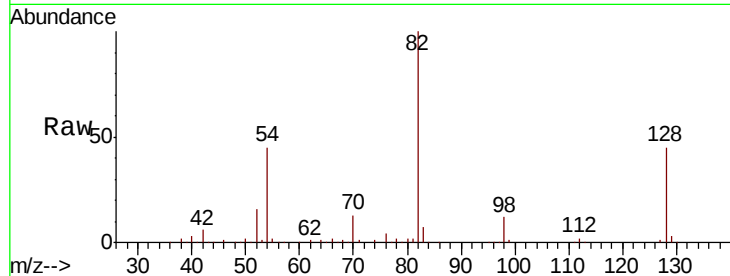
#23
Nitrobenzene-d5
Concen: 28.024 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

Instrument :
BNA_F
ClientSampleId :
OR-02-071919-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	38.6	57.8
54	45.2	35.6	53.4

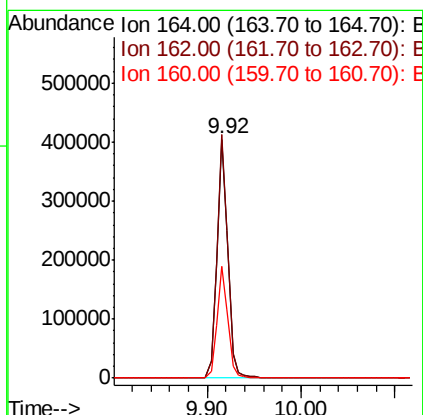
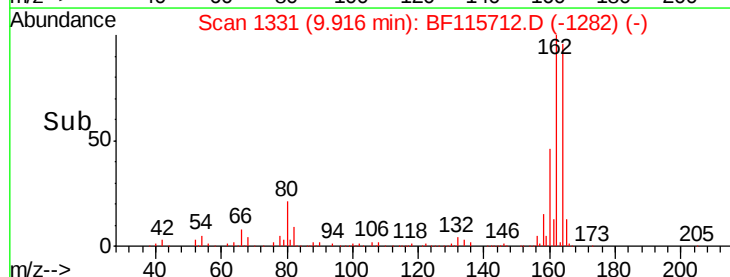
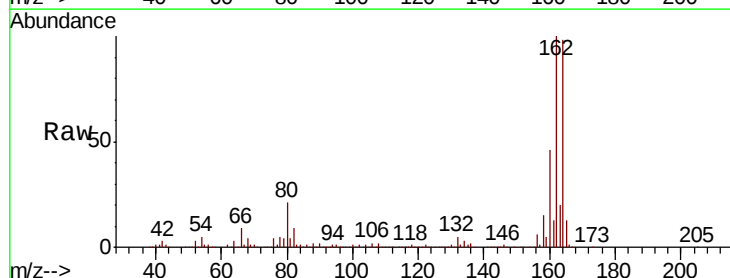
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.9	124.3
160	46.8	36.8	55.2





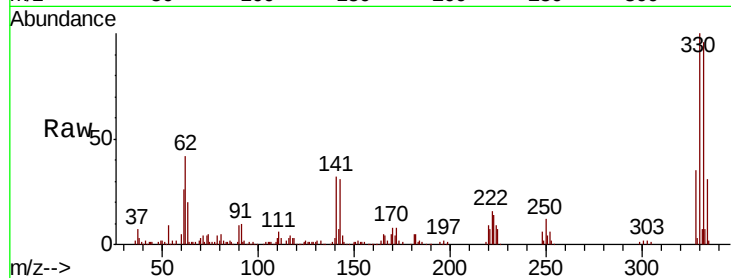
#42
 2,4,6-Tribromophenol
 Concen: 31.981 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF115712.D
 Acq: 22 Jul 2019 16:33

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-071919-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	125206		
332	95.1	77.4	116.2	
141	33.8	22.4	33.6	

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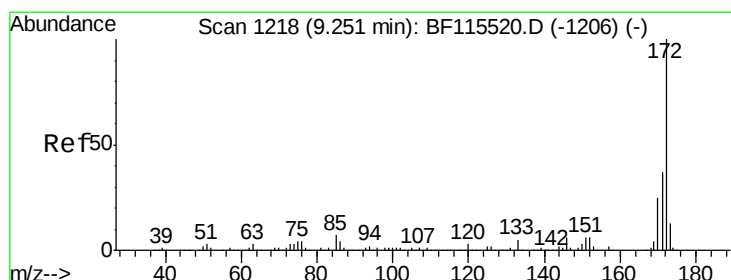
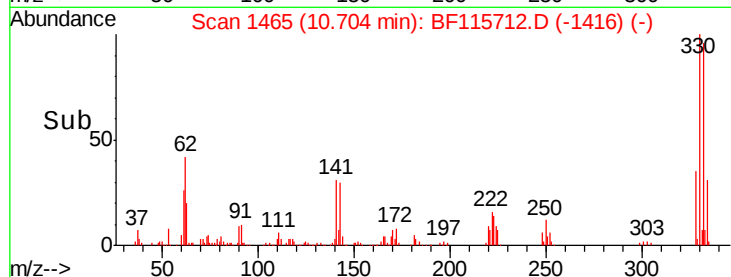
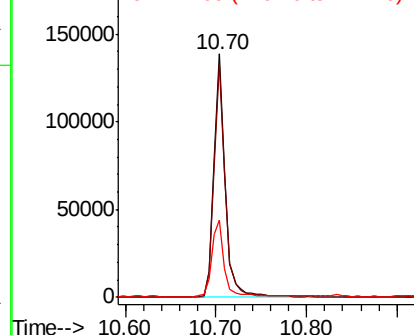


Abundance

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: 29.942 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: BF115712.D
 Acq: 22 Jul 2019 16:33

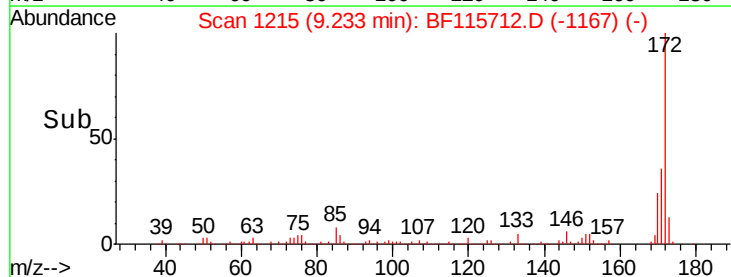
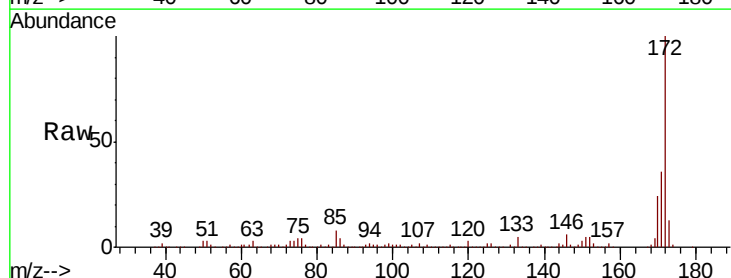
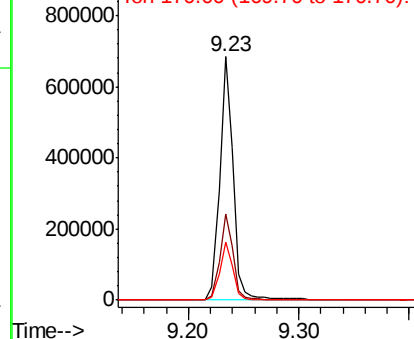
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	573765		
171	35.5	30.6	46.0	
170	23.8	20.5	30.7	

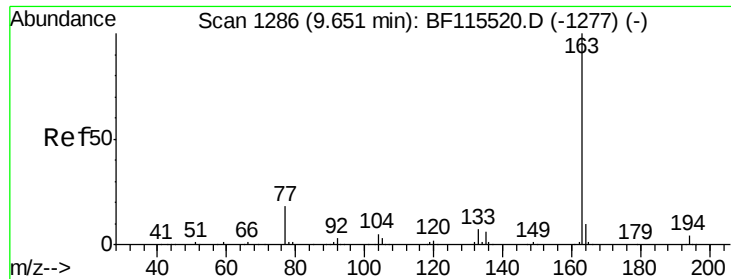
Abundance

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





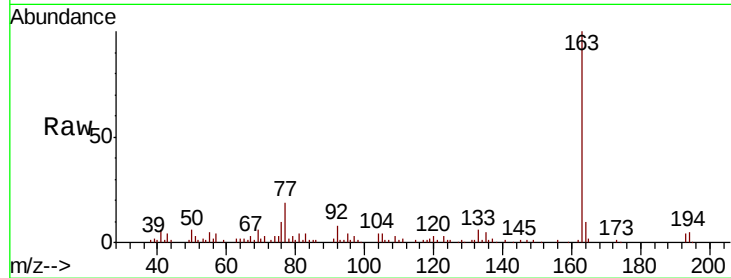
#50
Dimethylphthalate
Concen: 3.006 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

Instrument :
BNA_F
ClientSampleId :
OR-02-071919-A

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.3	4.9
164	10.2	8.7	13.1

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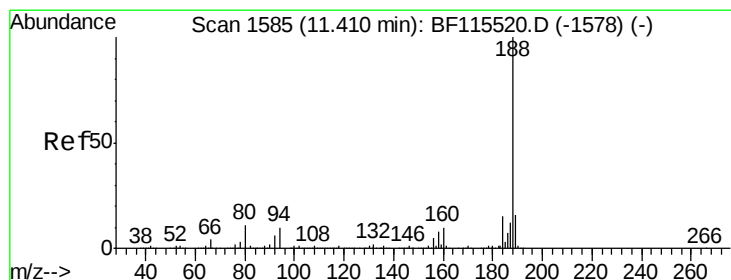
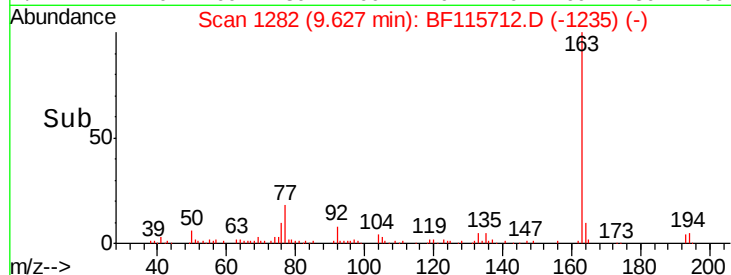
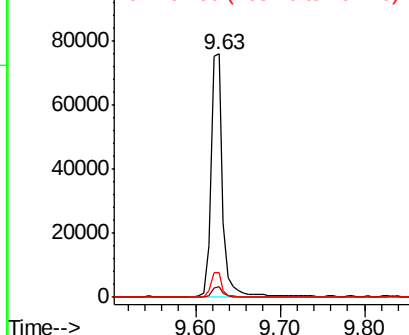


Abundance

Ion 163.00 (162.70 to 163.70): E

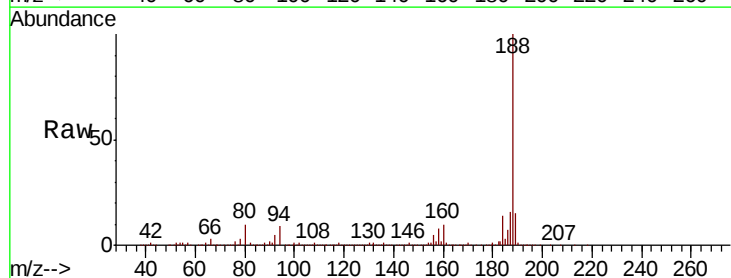
Ion 194.00 (193.70 to 194.70): E

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: BF115712.D
Acq: 22 Jul 2019 16:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.8	11.6
80	9.9	8.6	13.0

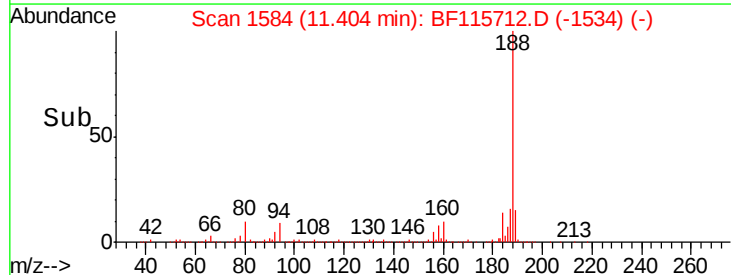
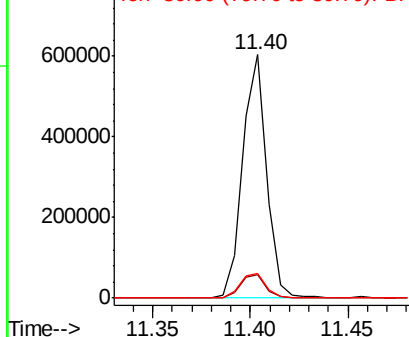


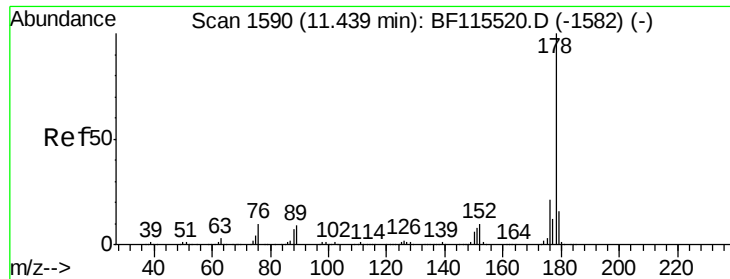
Abundance

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





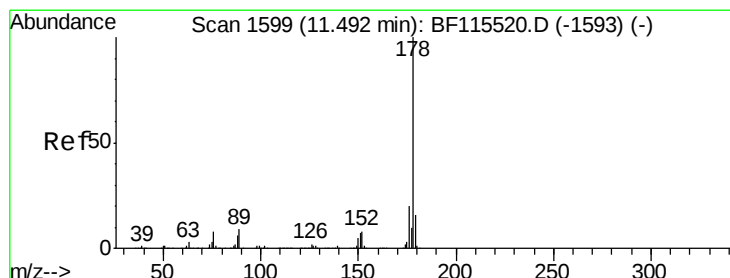
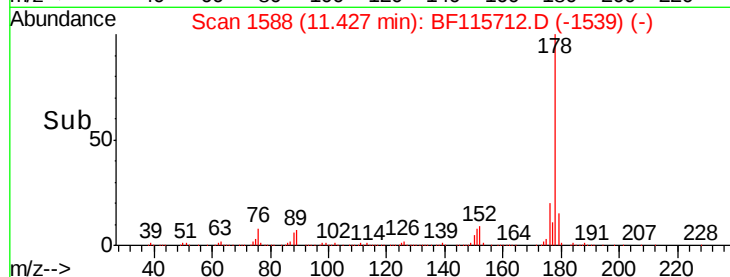
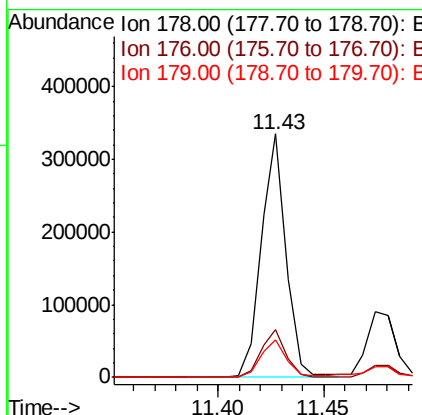
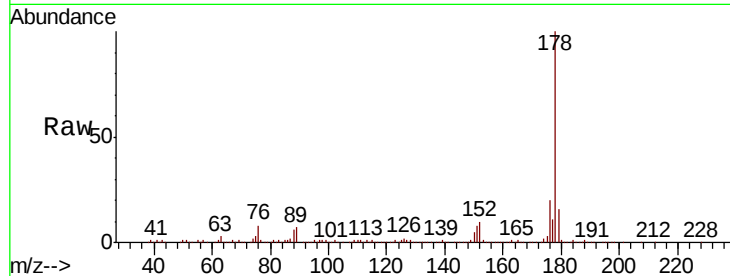
#71
Phenanthrene
Concen: 10.336 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

Instrument :
BNA_F
ClientSampleId :
OR-02-071919-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	17.2	25.8
179	15.6	13.5	20.3

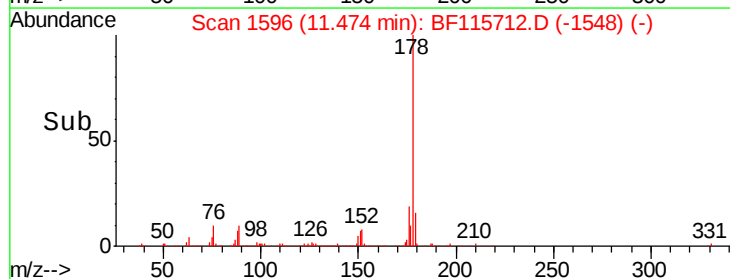
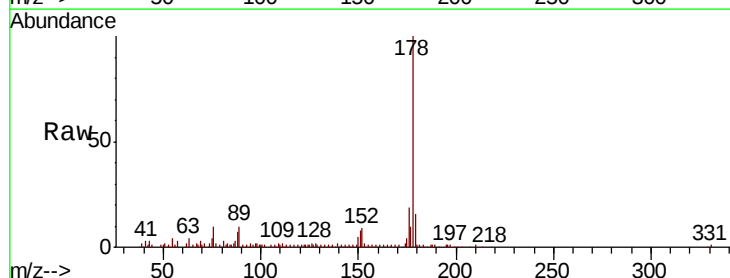
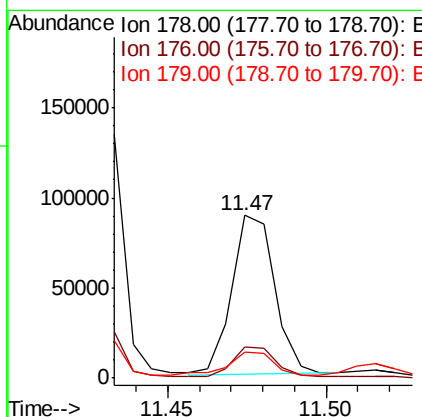
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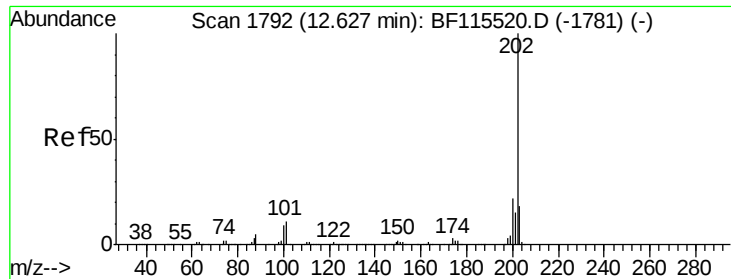
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#72
Anthracene
Concen: 3.014 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.02 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.9	23.9
179	16.2	12.7	19.1





#75

Fluoranthene

Concen: 17.516 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF115712.D

Acq: 22 Jul 2019 16:33

Instrument :

BNA_F

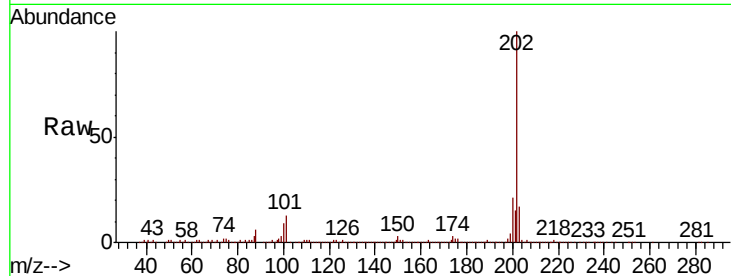
ClientSampleId :

OR-02-071919-A

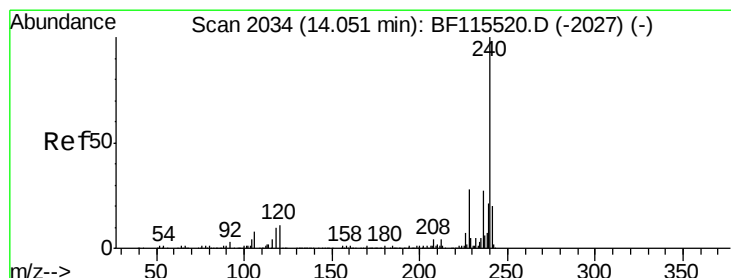
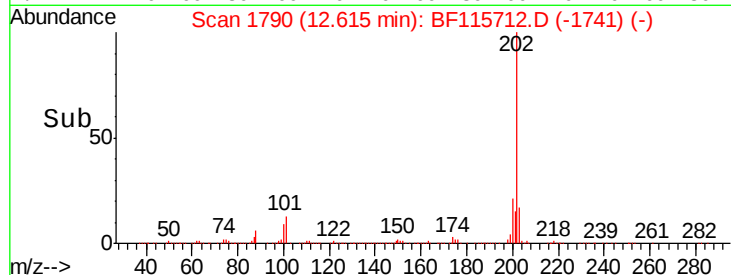
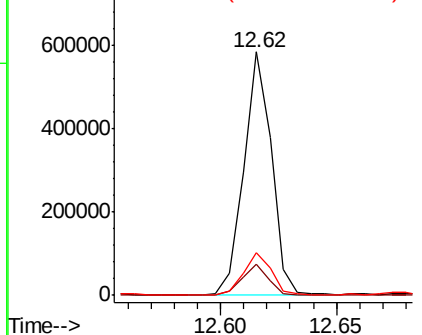
Tot Ion:	202	Resp:	487479
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	31.4
203	17.4	0.0	38.1

Manual Integrations
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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

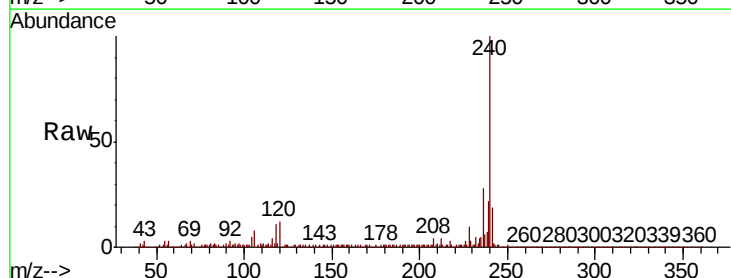
RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

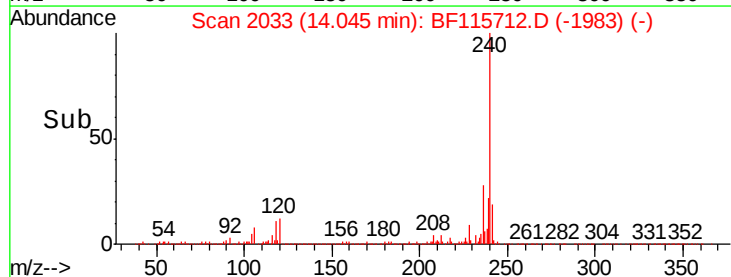
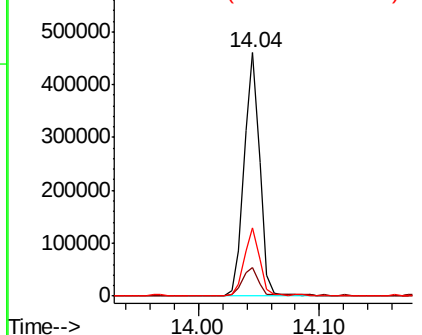
Lab File: BF115712.D

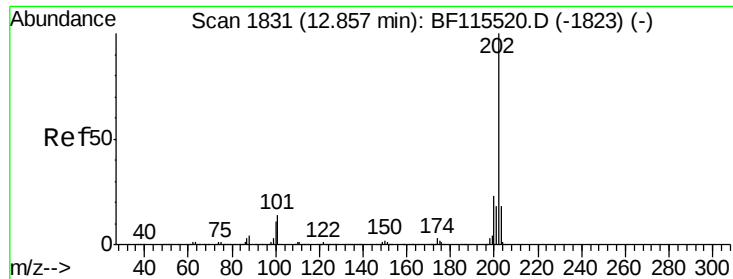
Acq: 22 Jul 2019 16:33

Tgt Ion:	240	Resp:	413219
Ion Ratio	Lower	Upper	
240	100		
120	11.8	8.6	13.0
236	27.8	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





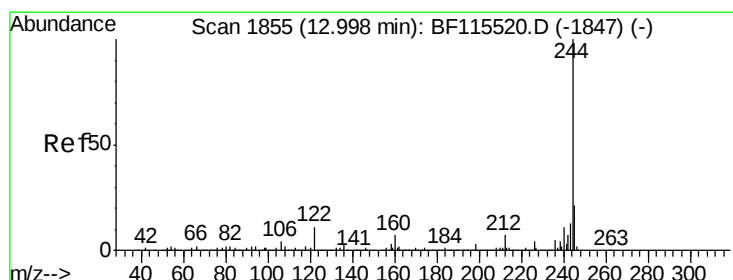
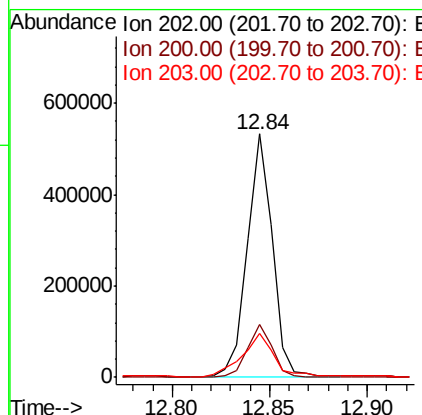
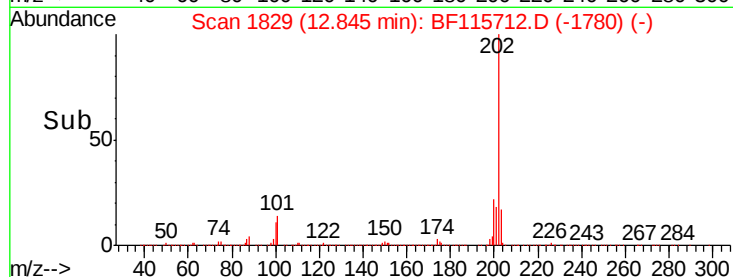
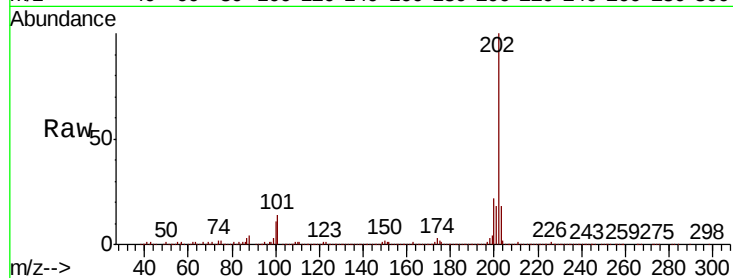
#78
Pvrene
Concen: 13.521 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

Instrument :
BNA_F
ClientSampleId :
OR-02-071919-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	18.7	28.1
203	18.0	15.2	22.8

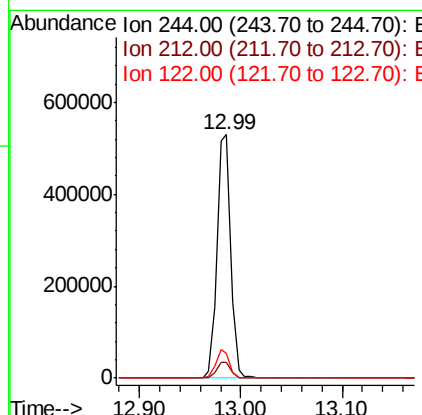
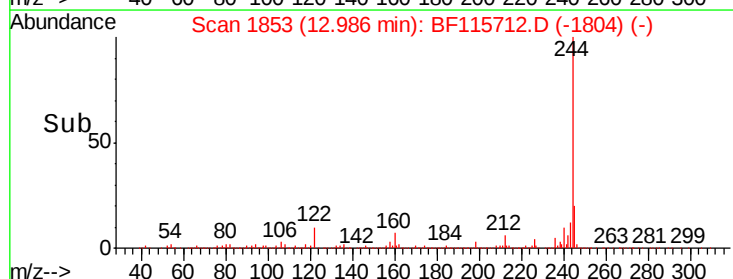
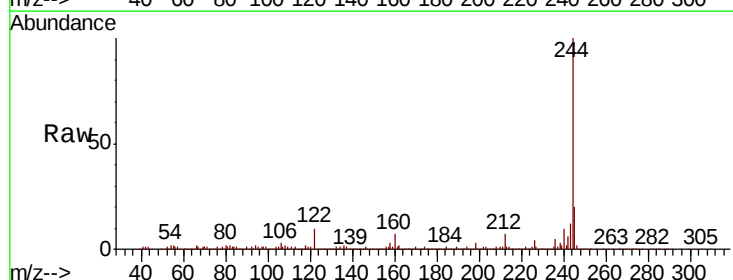
Manual Integrations
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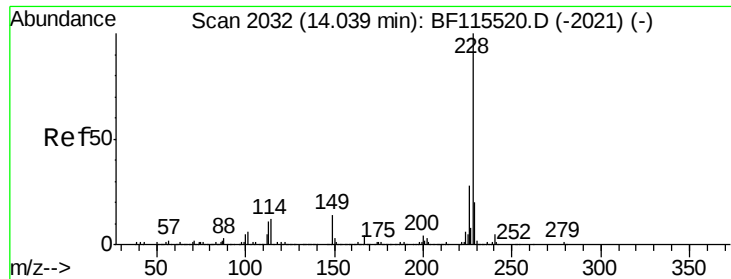
mohammad
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#79
Terphenyl-d14
Concen: 22.196 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	10.3	8.6	12.8





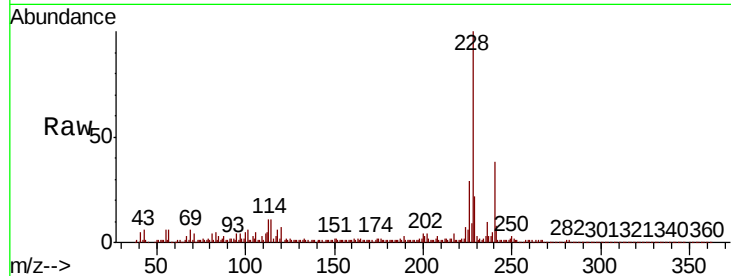
#81
Benzo(a)anthracene
Concen: 8.304 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

Instrument :
BNA_F
ClientSampleId :
OR-02-071919-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.4	35.0
229	22.1	17.2	25.8

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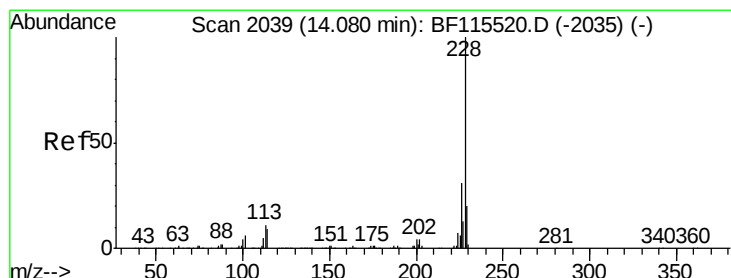
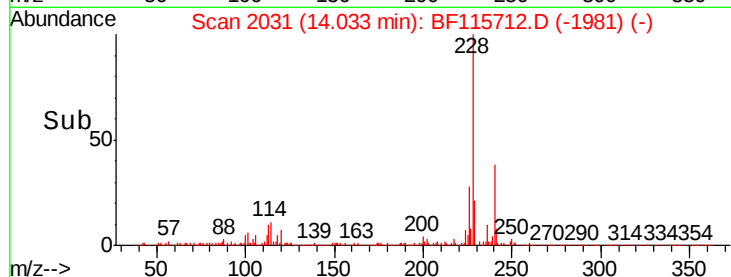
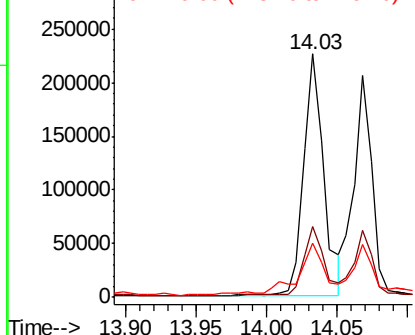


Abundance

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: 6.858 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

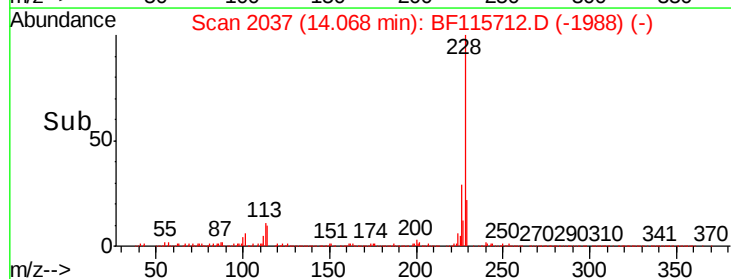
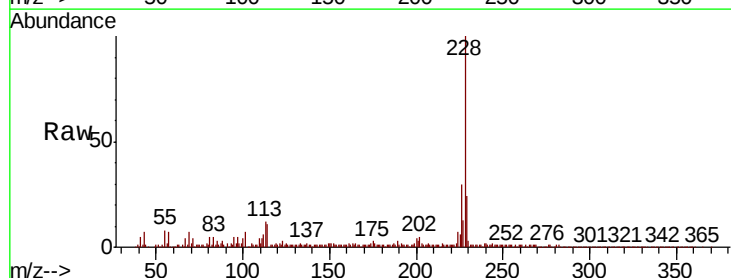
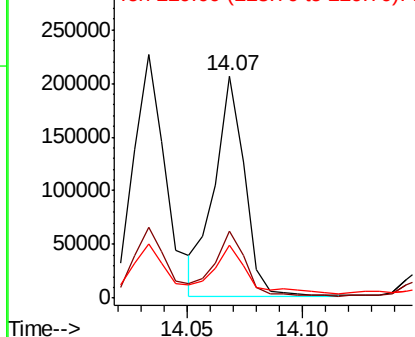
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.7	38.5
229	24.0	16.6	25.0

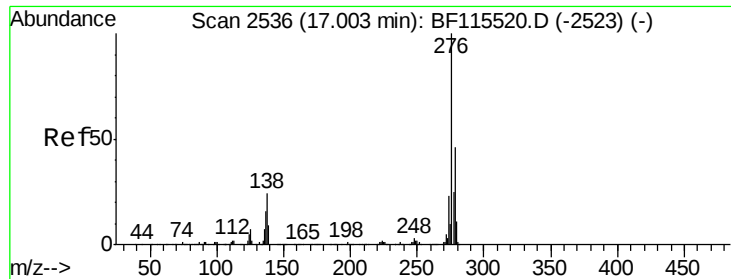
Abundance

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





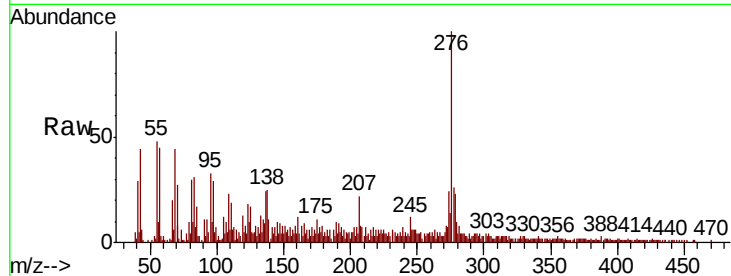
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.017 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.01 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

Instrument :
BNA_F
ClientSampleId :
OR-02-071919-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.0	20.2	30.2
277	25.1	20.4	30.6

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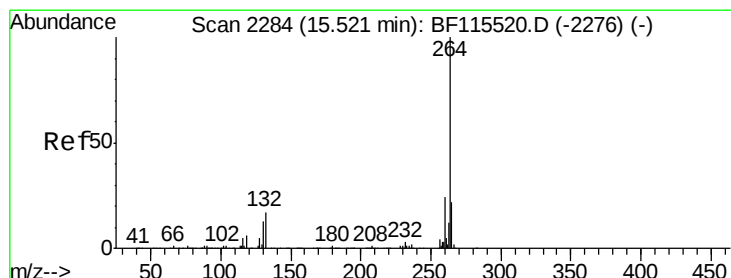
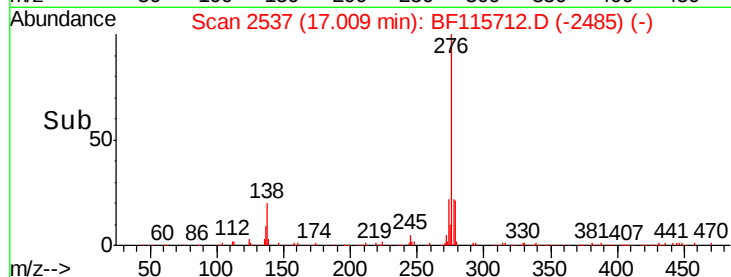
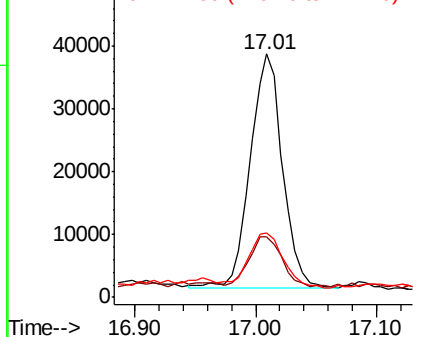


Abundance

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: 15.53 min Scan# 2285
Delta R.T. 0.01 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

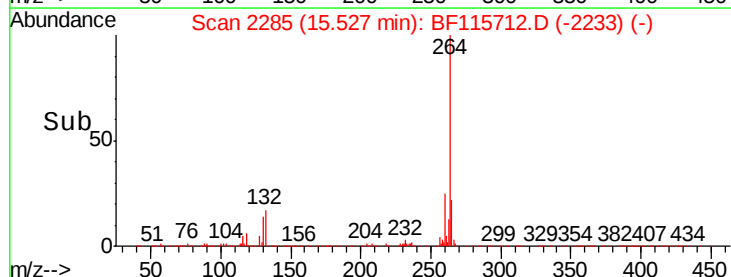
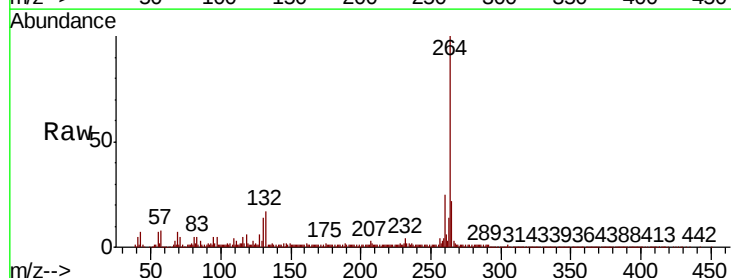
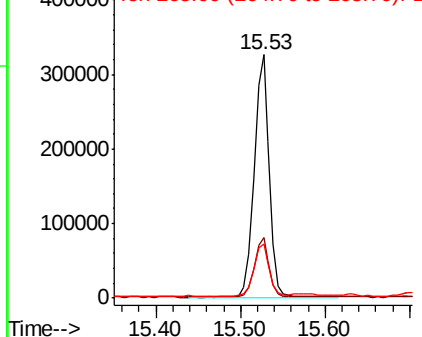
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.8	29.8
265	22.4	17.7	26.5

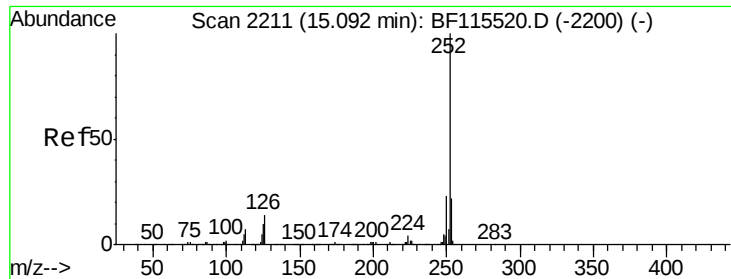
Abundance

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: 8.049 ng m

RT: 15.09 min Scan# 2211

Delta R.T. -0.00 min

Lab File: BF115712.D

Acq: 22 Jul 2019 16:33

Instrument :

BNA_F

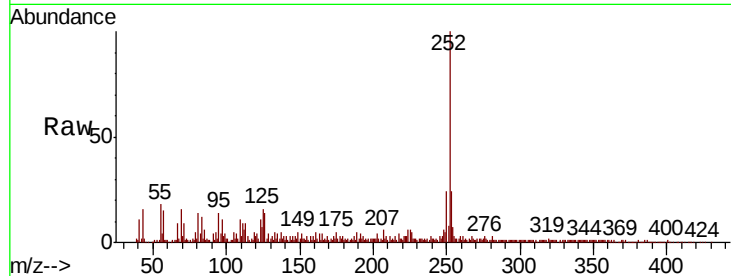
ClientSampleId :

OR-02-071919-A

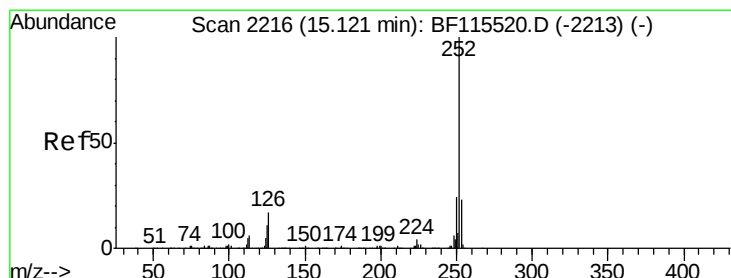
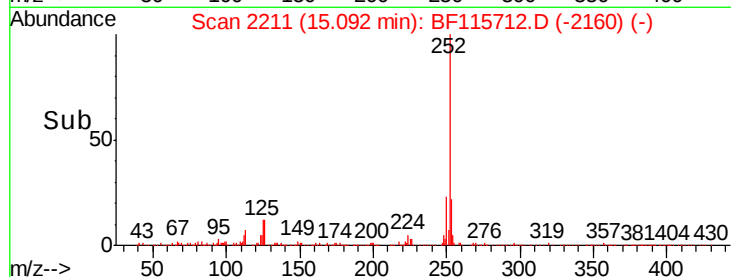
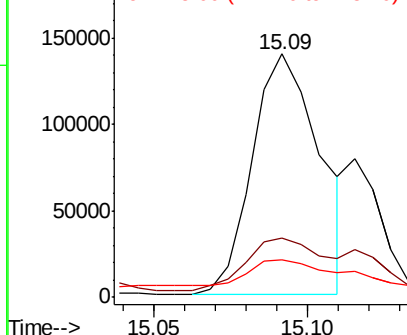
Tot Ion:	252	Resp:	211796
Ion Ratio	Lower	Upper	
252	100		
253	24.3	18.1	27.1
125	15.5	9.0	13.4#

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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: 2.520 ng m

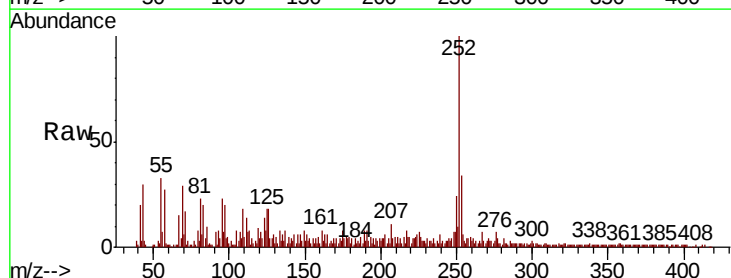
RT: 15.12 min Scan# 2215

Delta R.T. -0.01 min

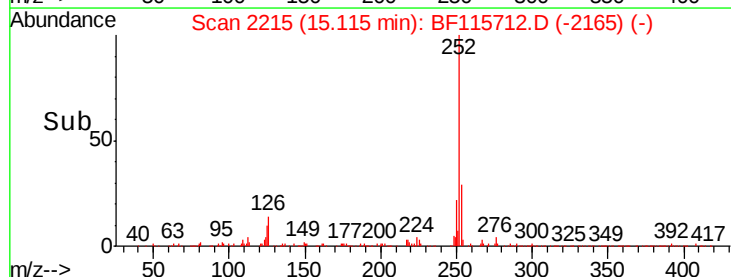
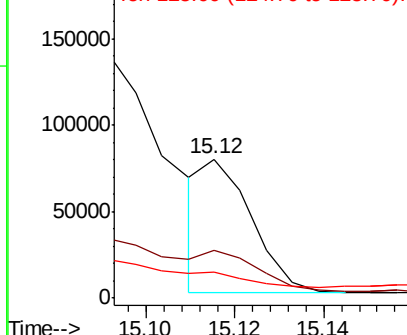
Lab File: BF115712.D

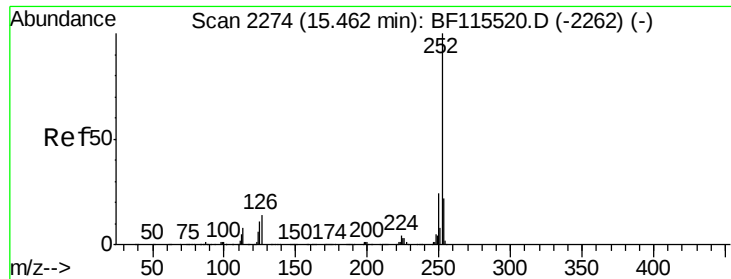
Acq: 22 Jul 2019 16:33

Tgt Ion:	252	Resp:	59121
Ion Ratio	Lower	Upper	
252	100		
253	34.5	18.6	28.0#
125	18.4	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





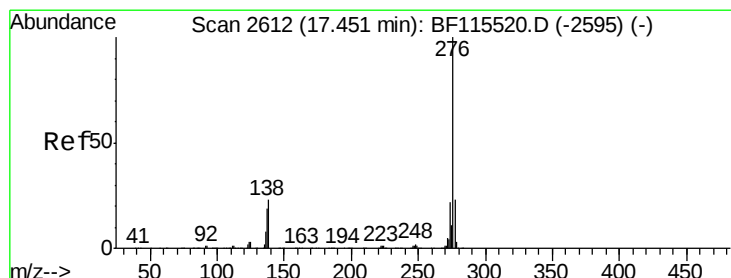
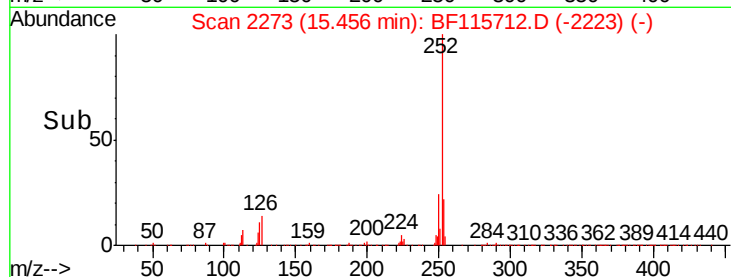
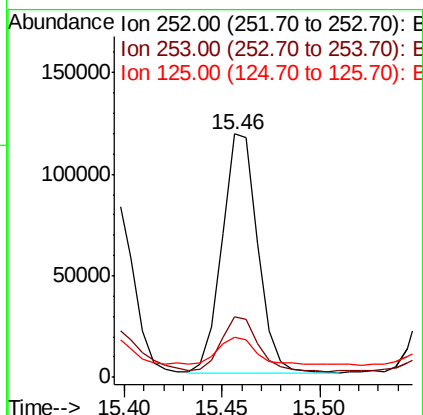
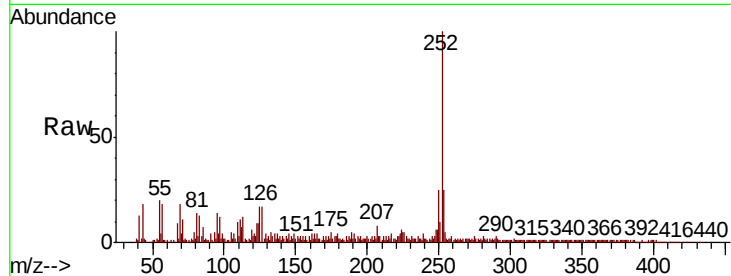
#90
Benzo(a)pyrene
Concen: 6.637 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

Instrument :
BNA_F
ClientSampleId :
OR-02-071919-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.8	26.6
125	16.6	9.1	13.7

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#92
Benzo(g,h,i)perylene
Concen: 3.359 ng
RT: 17.46 min Scan# 2613
Delta R.T. 0.01 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.4	19.0	28.4
138	26.1	17.2	25.8

