

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
 Data File : BF118139.D
 Acq On : 7 Dec 2019 19:54
 Operator : JU
 Sample : K6147-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-WC008

Manual Integrations
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mohammad
 12/10/2019 11:49:45 AM

Quant Time: Dec 09 07:23:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	115559	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	462031	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	243477	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	396343	20.00	ng	0.00
76) Chrysene-d12	14.06	240	238117	20.00	ng	-0.01
87) Perylene-d12	15.56	264	242457	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	625534	94.81	ng	0.00
7) Phenol-d6	6.50	99	804821	100.85	ng	0.00
23) Nitrobenzene-d5	7.43	82	485238	59.08	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	250215	84.59	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	988516	61.78	ng	0.00
79) Terphenyl-d14	13.00	244	853307	61.62	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.62	163	102235	5.685	ng	99
71) Phenanthrene	11.43	178	241850	11.479	ng	100
72) Anthracene	11.48	178	46729	2.223	ng	98
75) Fluoranthene	12.63	202	392178	18.206	ng	98
78) Pyrene	12.86	202	329197	17.543	ng	99
81) Benzo(a)anthracene	14.05	228	175877	10.682	ng	98
83) Chrysene	14.08	228	158302m	10.065	ng	
84) Bis(2-ethylhexyl)phthalate	14.03	149	70345	6.278	ng	# 98
86) Indeno(1,2,3-cd)pyrene	17.06	276	74106	5.600	ng	96
88) Benzo(b)fluoranthene	15.12	252	220104m	13.726	ng	
89) Benzo(k)fluoranthene	15.14	252	59555m	3.866	ng	
90) Benzo(a)pyrene	15.49	252	129843	9.168	ng	# 94
92) Benzo(a,h,i)perylene	17.52	276	64558	5.531	ng	99

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

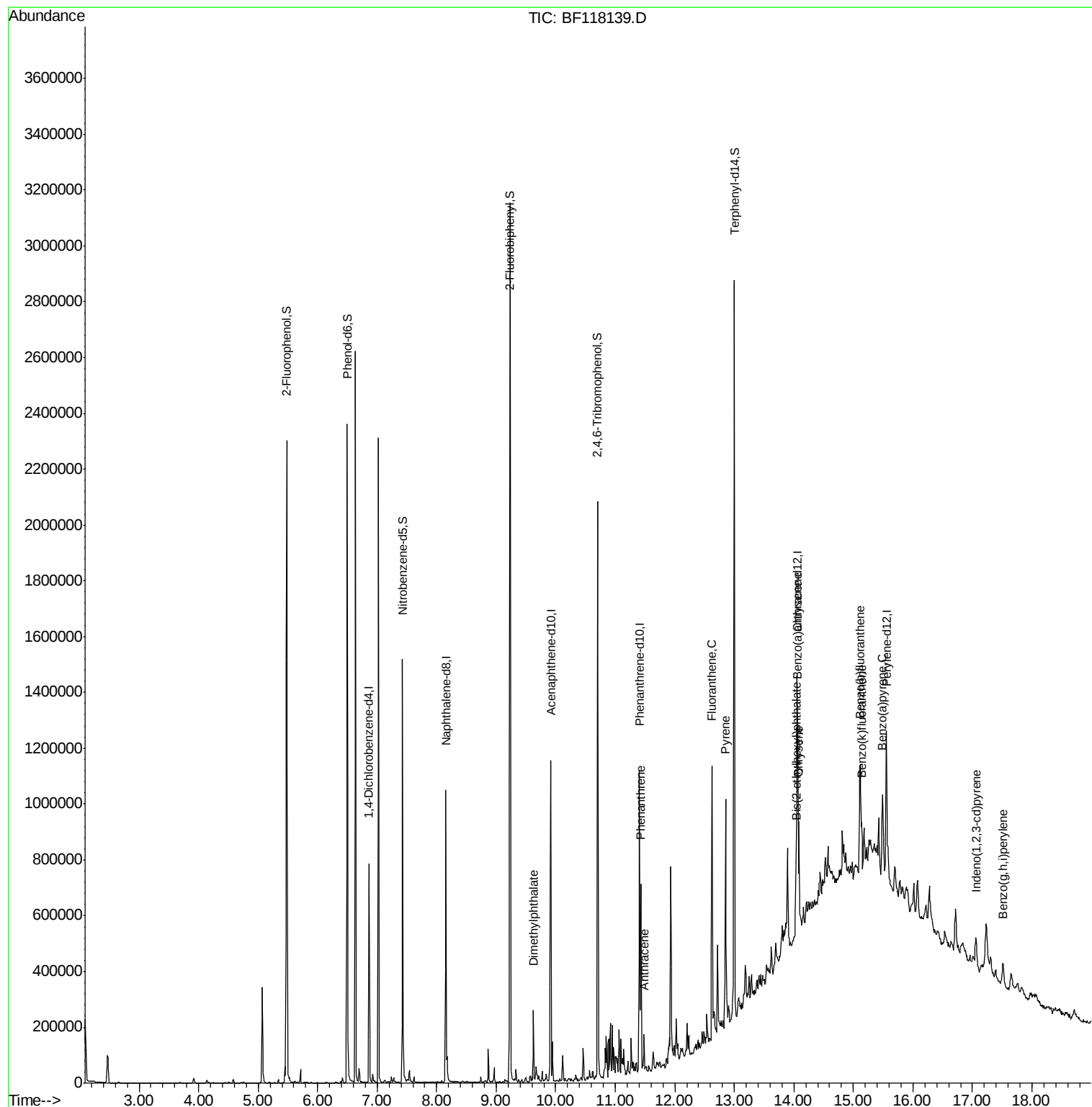
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
Data File : BF118139.D
Acq On : 7 Dec 2019 19:54
Operator : JU
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ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
P001-WC008

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Response via : Initial Calibration





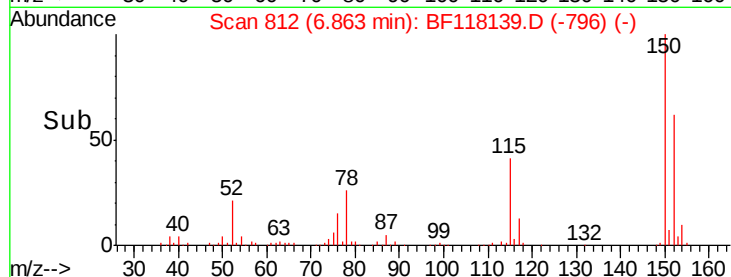
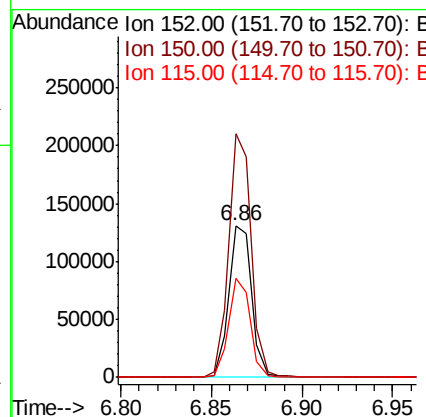
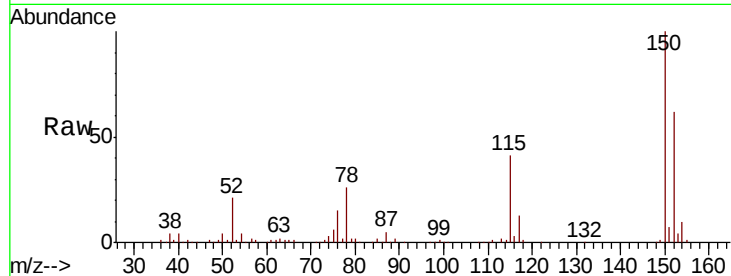
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF118139.D
 Acq: 7 Dec 2019 19:54

Instrument :
 BNA_F
 ClientSampleId :
 P001-WC008

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	128.3	192.5
115	64.9	51.1	76.7

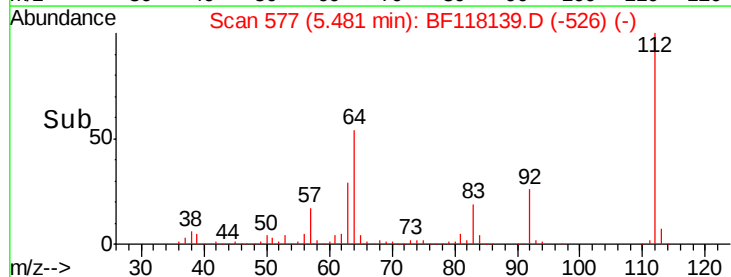
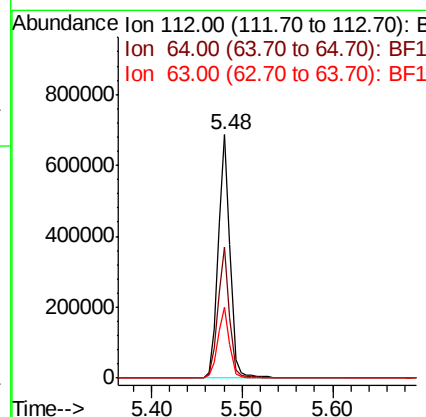
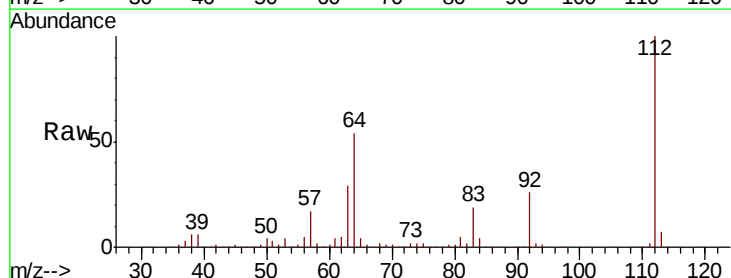
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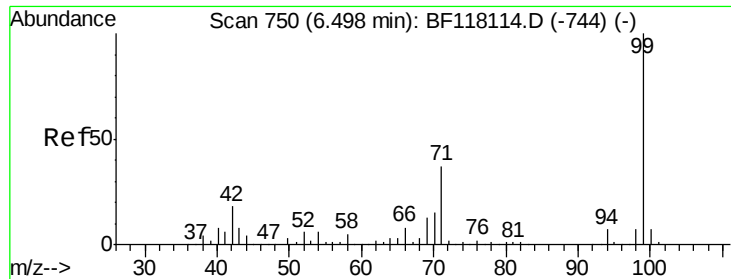
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#5
 2-Fluorophenol
 Concen: 94.809 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: BF118139.D
 Acq: 7 Dec 2019 19:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	41.3	61.9
63	29.3	22.4	33.6





#7

Phenol-d6

Concen: 100.851 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF118139.D

Acq: 7 Dec 2019 19:54

Instrument :

BNA_F

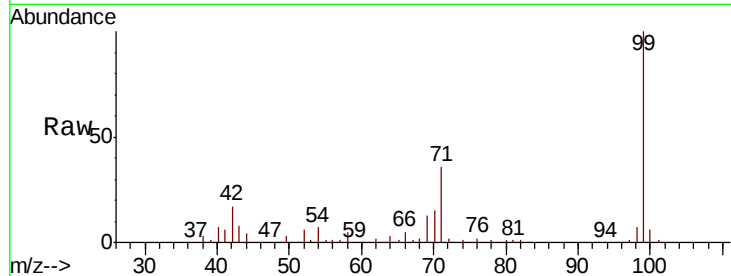
ClientSampleId :

P001-WC008

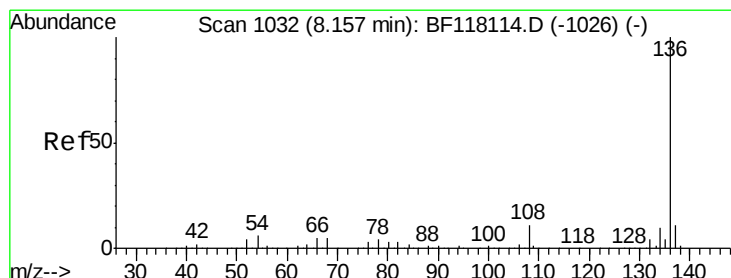
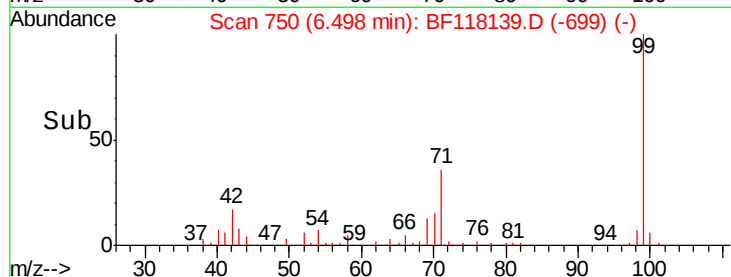
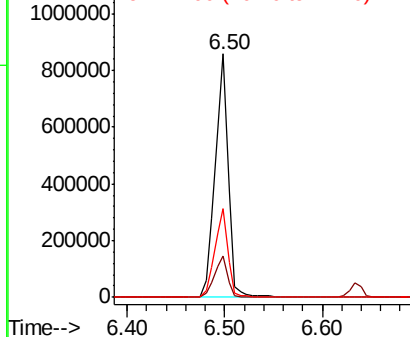
Tot Ion:	99	Resp:	804821
Ion Ratio	Lower	Upper	
99	100		
42	17.1	14.1	21.1
71	36.4	29.7	44.5

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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: 8.15 min Scan# 1031

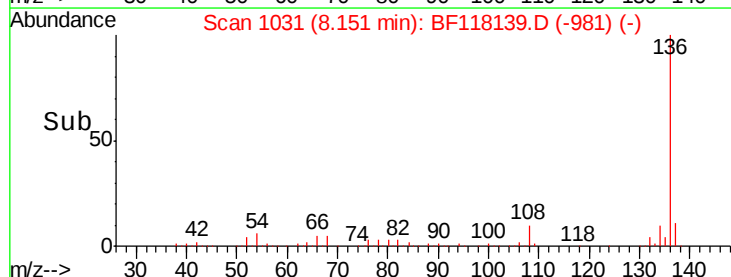
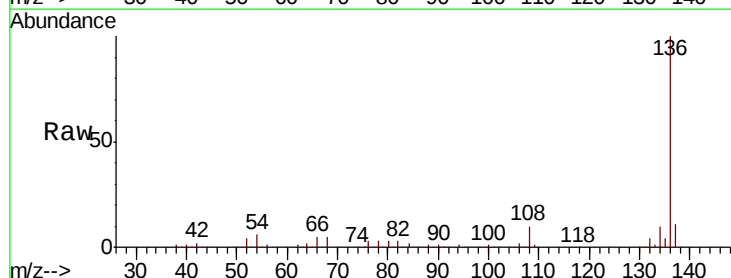
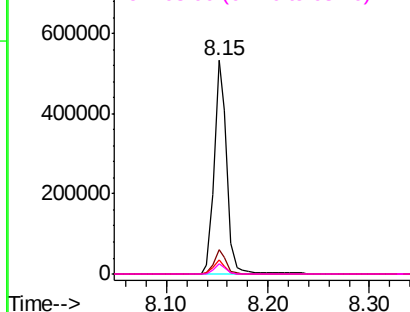
Delta R.T. -0.01 min

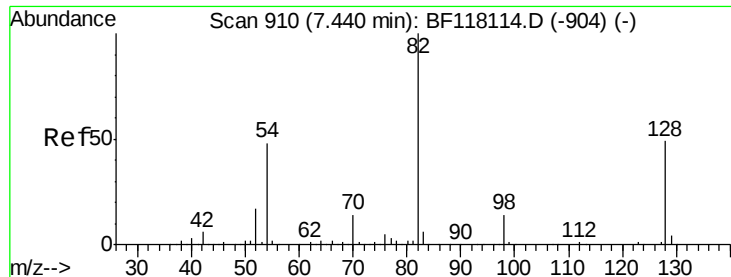
Lab File: BF118139.D

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Tgt Ion:	136	Resp:	462031
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.0	13.6
54	6.4	5.0	7.6
68	5.1	3.8	5.8

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





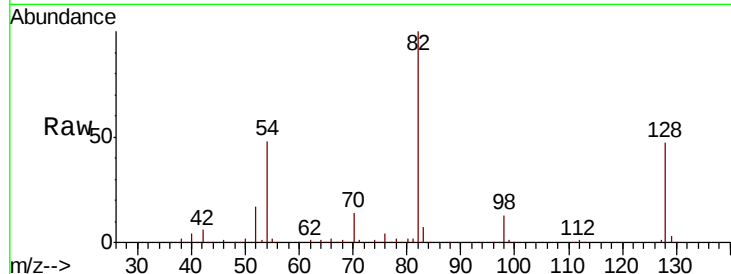
#23
 Nitrobenzene-d5
 Concen: 59.084 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF118139.D
 Acq: 7 Dec 2019 19:54

Instrument :
 BNA_F
 ClientSampleId :
 P001-WC008

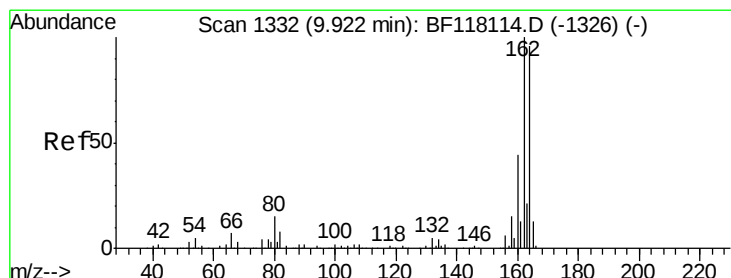
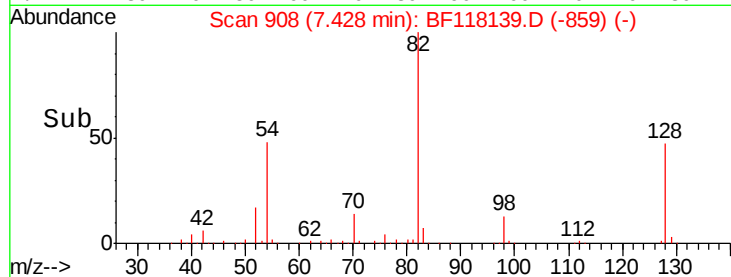
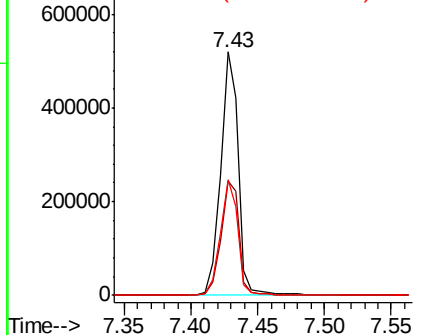
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.9	39.1	58.7	
54	47.7	38.2	57.2	

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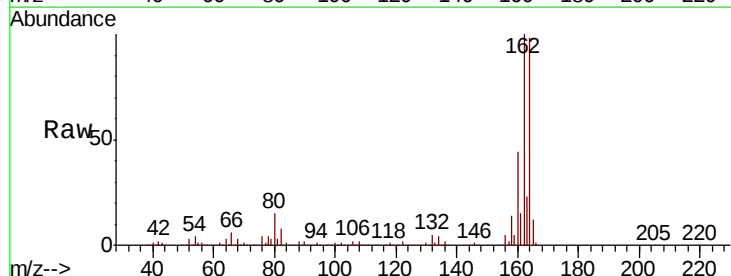


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

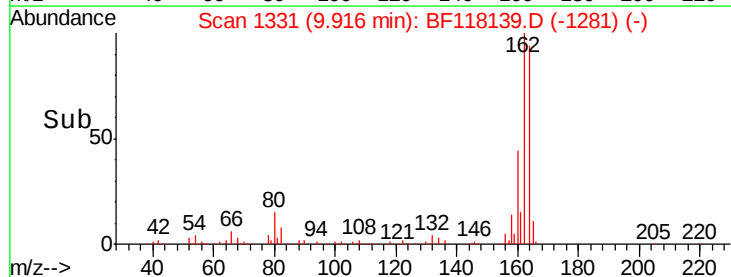
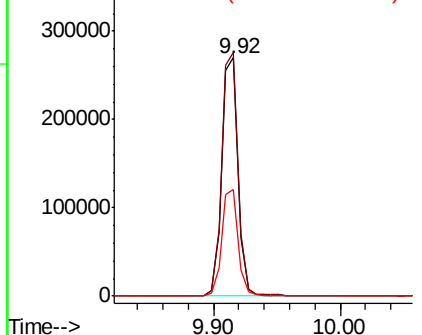


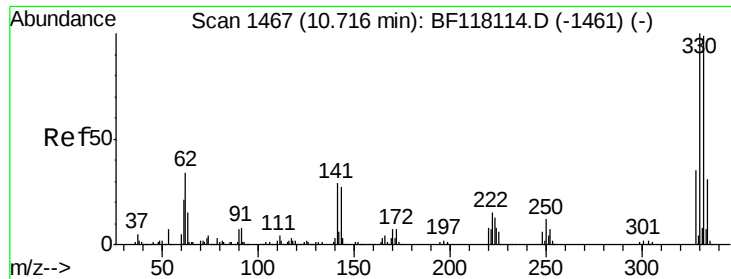
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF118139.D
 Acq: 7 Dec 2019 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.2	83.4	125.0	
160	44.7	36.6	54.8	



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: 84.595 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF118139.D

Acq: 7 Dec 2019 19:54

Instrument :

BNA_F

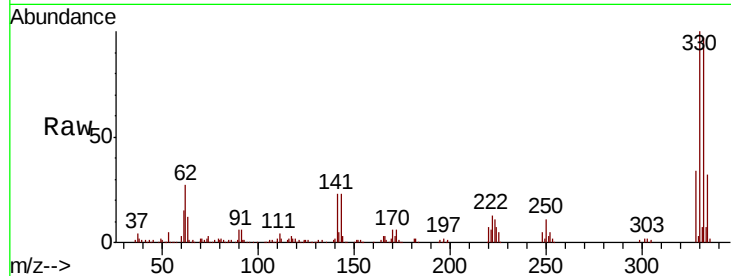
ClientSampleId :

P001-WC008

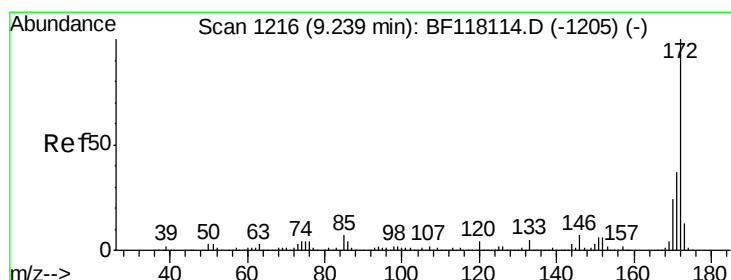
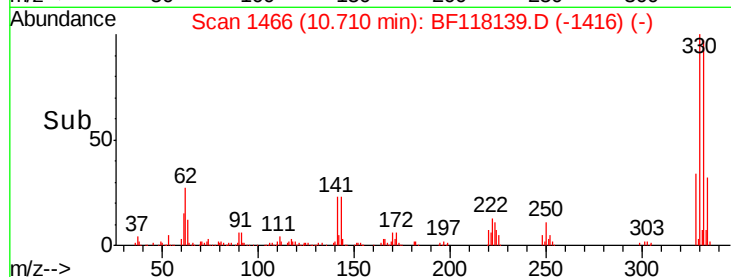
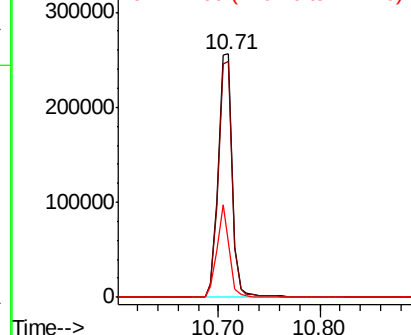
Tot Ion:	330	Resp:	250215
Ion Ratio	Lower	Upper	
330	100		
332	96.2	78.1	117.1
141	33.2	26.9	40.3

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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: 61.779 ng

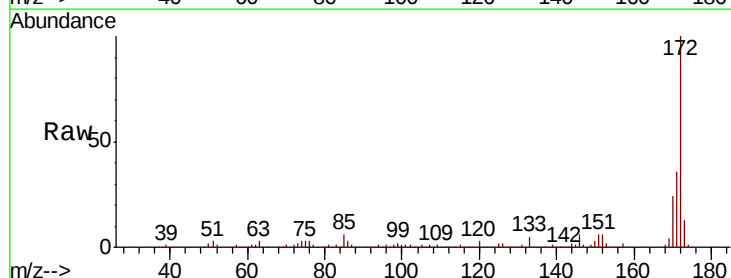
RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

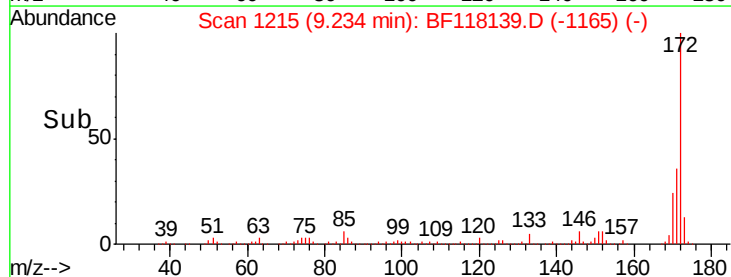
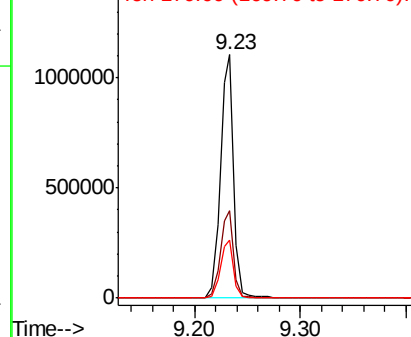
Lab File: BF118139.D

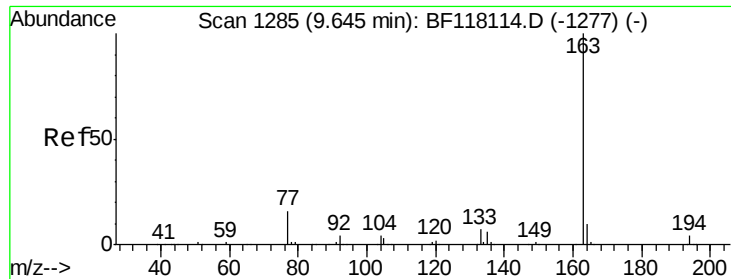
Acq: 7 Dec 2019 19:54

Tgt Ion:	172	Resp:	988516
Ion Ratio	Lower	Upper	
172	100		
171	35.9	29.2	43.8
170	23.7	19.4	29.2



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





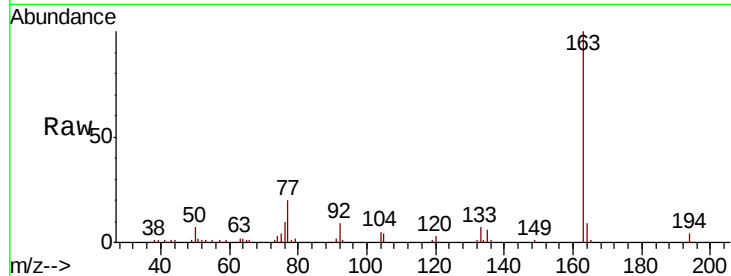
#50
Dimethylphthalate
Concen: 5.685 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118139.D
Acq: 7 Dec 2019 19:54

Instrument :
BNA_F
ClientSampleId :
P001-WC008

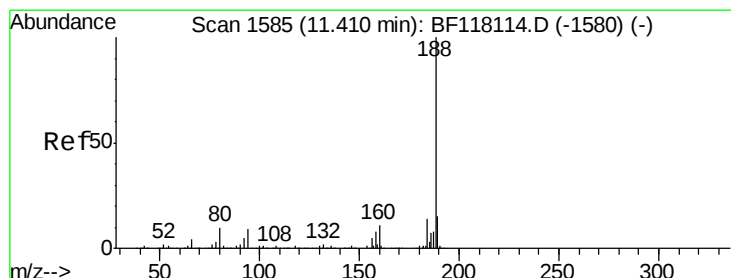
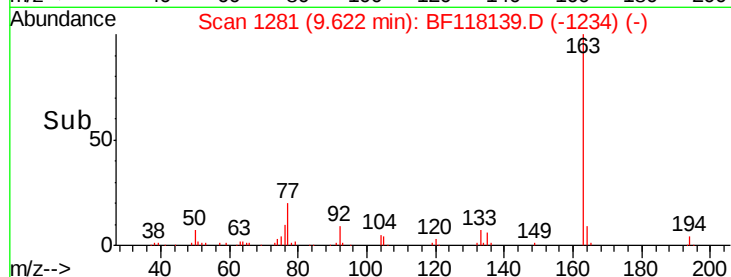
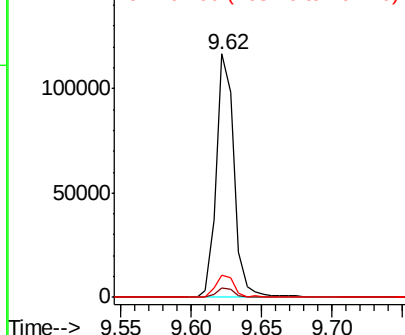
Tot Ion	Ratio	Resp	Lower	Upper
163	100	102235		
194	3.9		3.1	4.7
164	9.3		7.7	11.5

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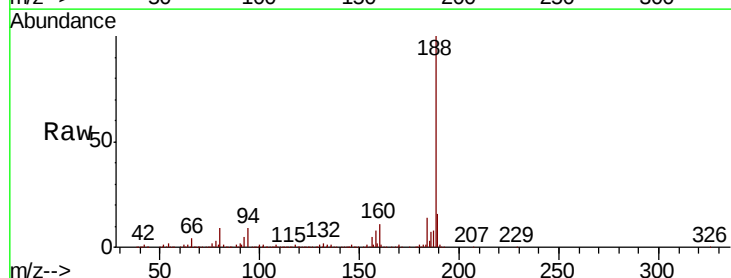


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

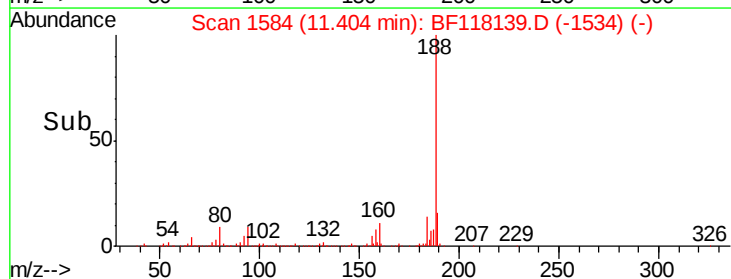
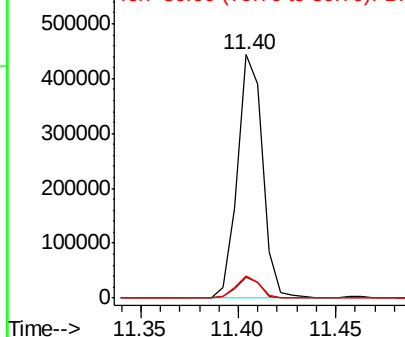


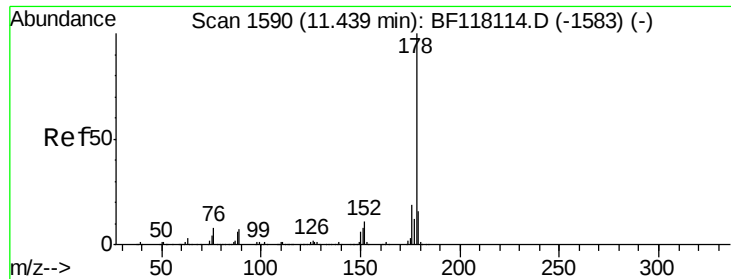
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF118139.D
Acq: 7 Dec 2019 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	396343		
94	8.7		7.1	10.7
80	9.3		7.9	11.9



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





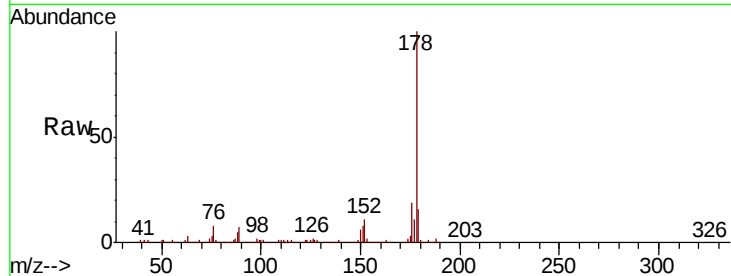
#71
Phenanthrene
Concen: 11.479 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF118139.D
Acq: 7 Dec 2019 19:54

Instrument :
BNA_F
ClientSampleId :
P001-WC008

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	15.8	12.6	18.8

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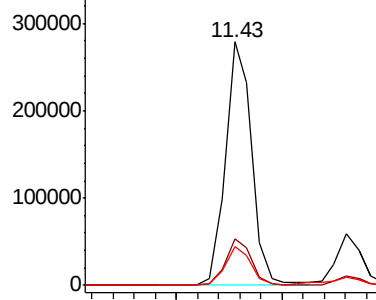


Abundance

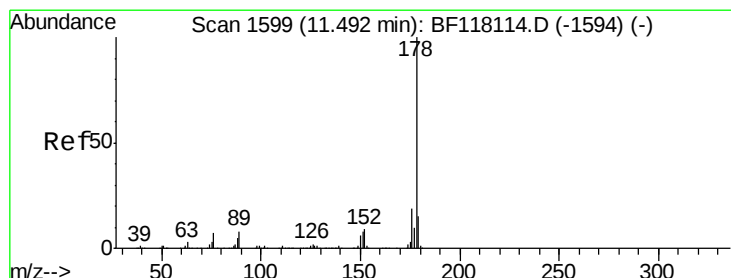
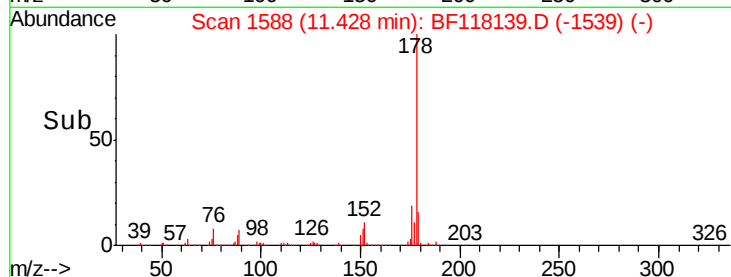
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#72
Anthracene
Concen: 2.223 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF118139.D
Acq: 7 Dec 2019 19:54

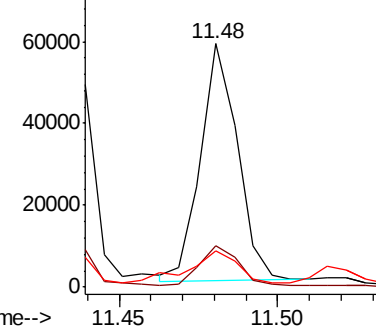
Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.0	22.6
179	15.1	12.2	18.4

Abundance

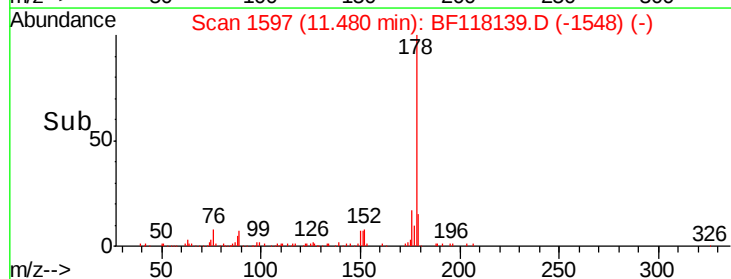
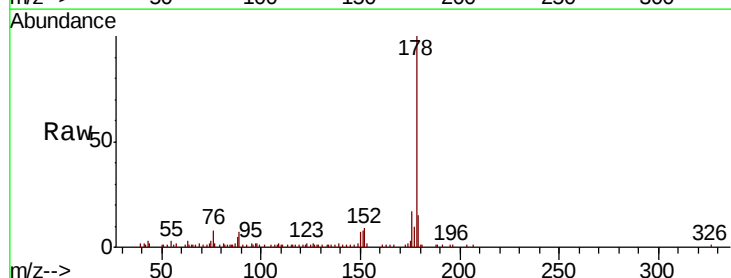
Ion 178.00 (177.70 to 178.70): E

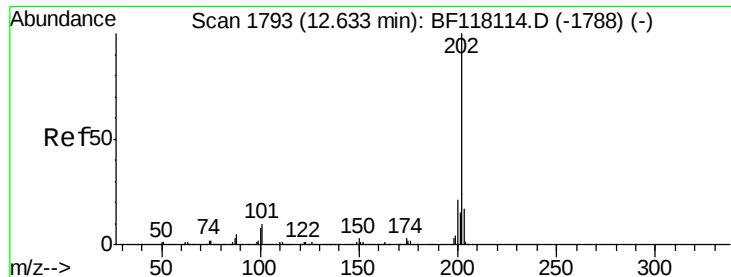
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#75

Fluoranthene

Concen: 18.206 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF118139.D

Acq: 7 Dec 2019 19:54

Instrument :

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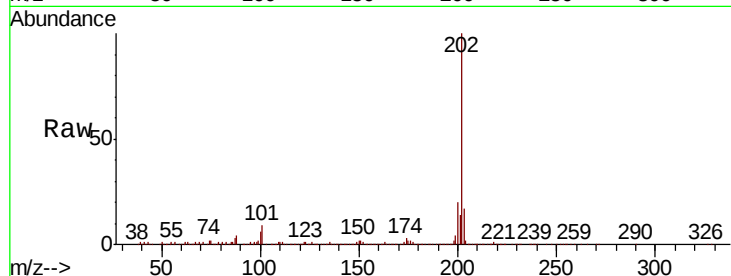
ClientSampleId :

P001-WC008

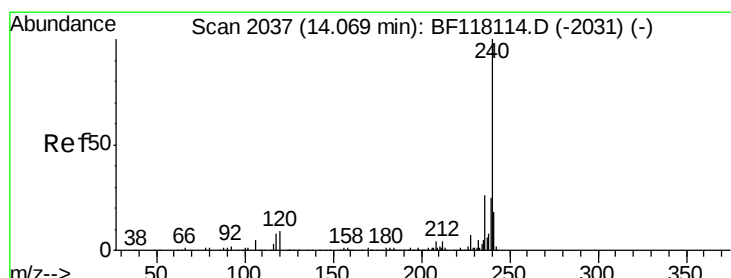
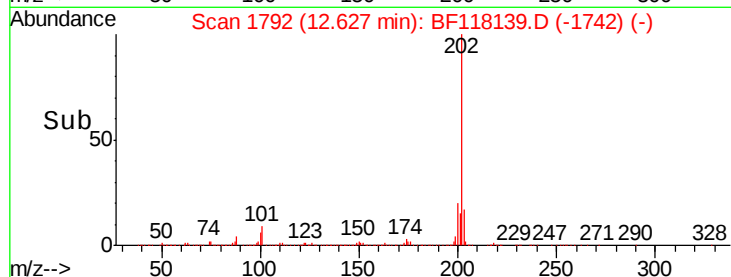
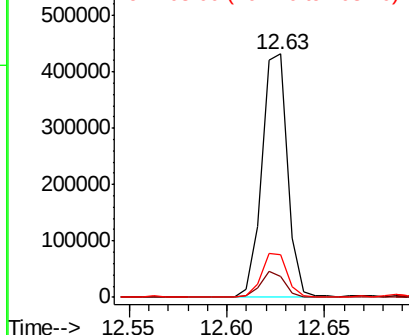
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.8	0.0	30.4
203	17.4	0.0	37.2

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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: 14.06 min Scan# 2035

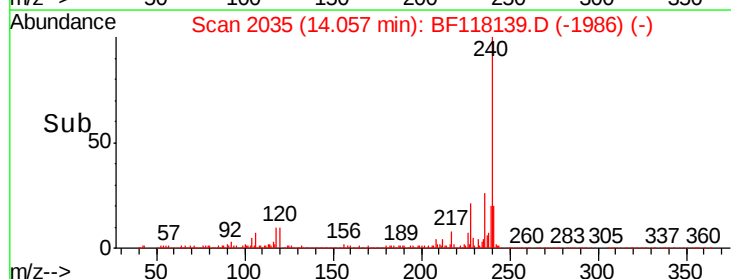
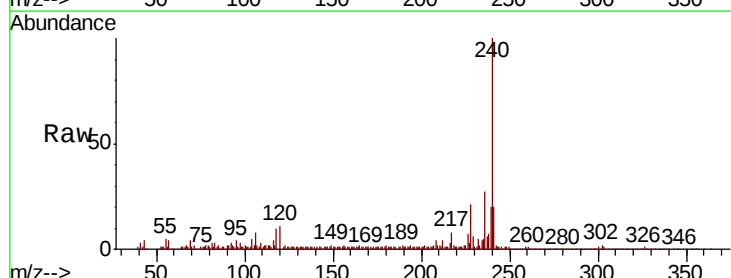
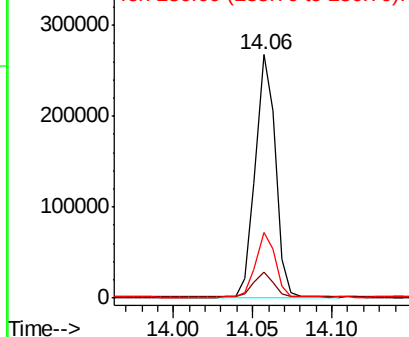
Delta R.T. -0.01 min

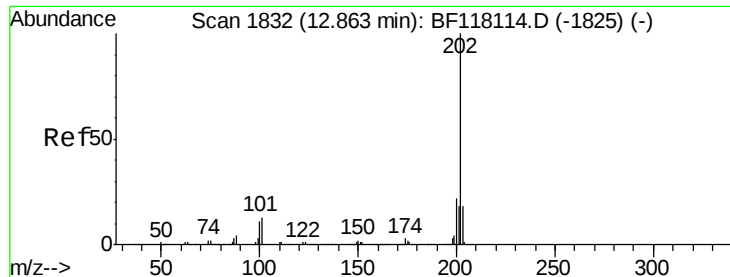
Lab File: BF118139.D

Acq: 7 Dec 2019 19:54

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.8	7.1	10.7#
236	26.7	21.0	31.6

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





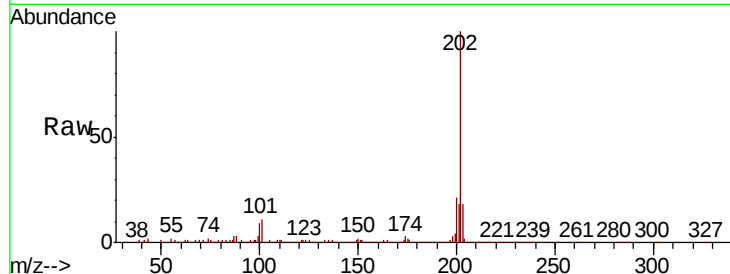
#78
Pvrene
Concen: 17.543 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF118139.D
Acq: 7 Dec 2019 19:54

Instrument :
BNA_F
ClientSampleId :
P001-WC008

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.5	26.3
203	17.7	14.6	21.8

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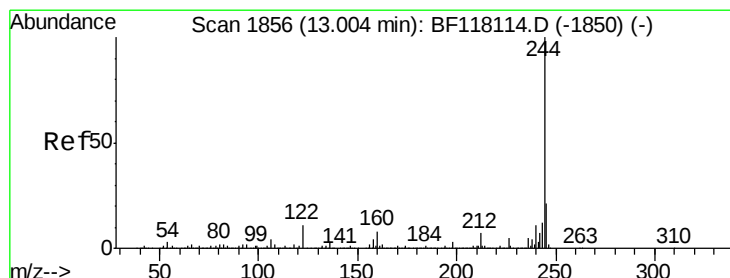
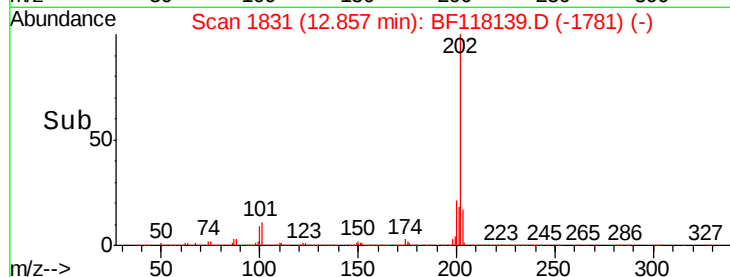
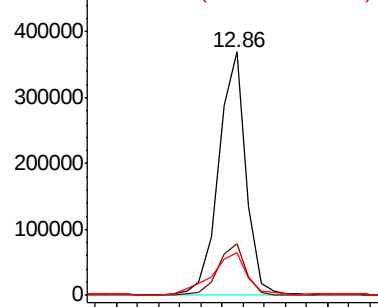


Abundance

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: 61.624 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF118139.D
Acq: 7 Dec 2019 19:54

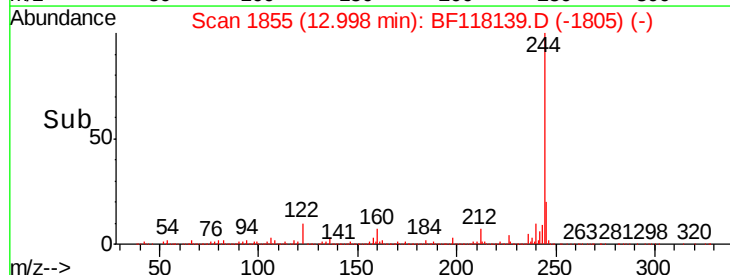
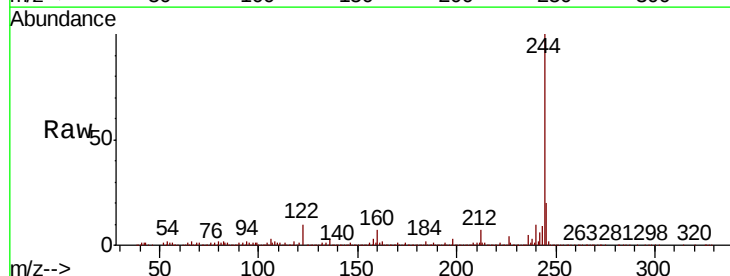
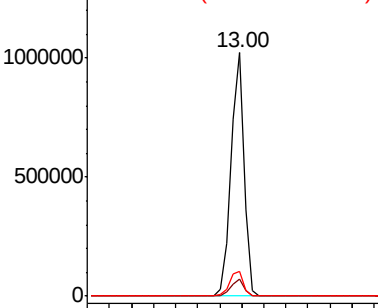
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	9.9	9.0	13.6

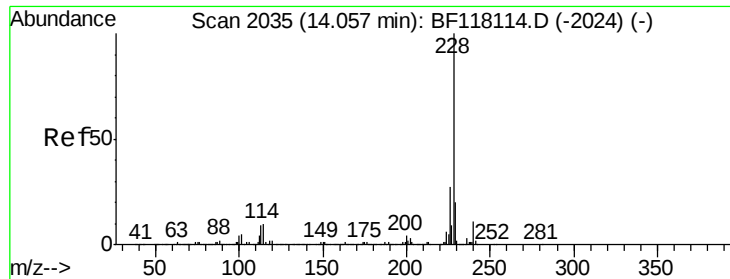
Abundance

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: 10.682 ng

RT: 14.05 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF118139.D

Acq: 7 Dec 2019 19:54

Instrument :

BNA_F

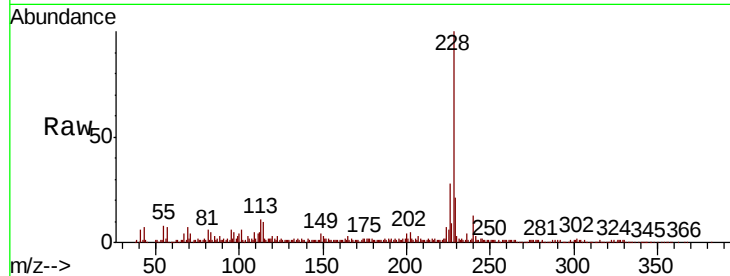
ClientSampleId :

P001-WC008

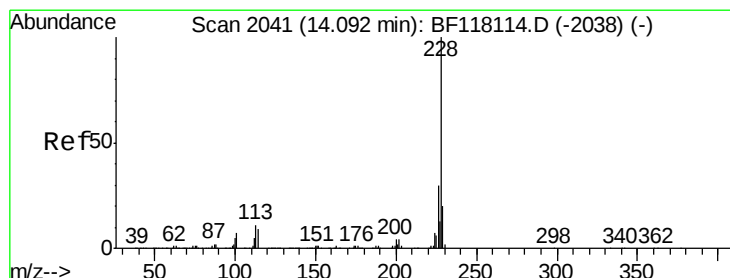
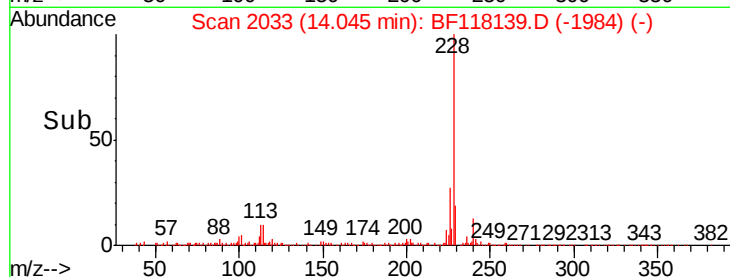
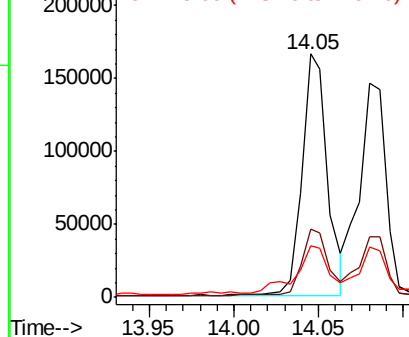
Tot Ion:	228	Resp:	175877
Ion Ratio	Lower	Upper	
228	100		
226	27.9	21.8	32.8
229	21.3	15.8	23.8

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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: 10.065 ng m

RT: 14.08 min Scan# 2039

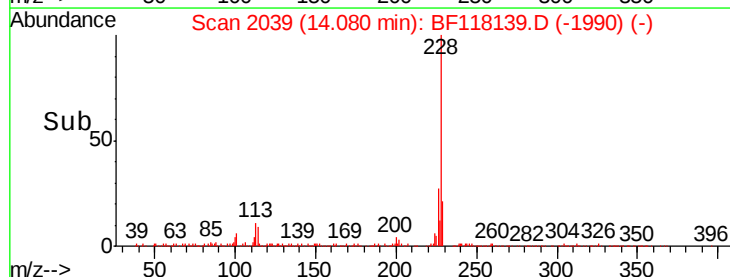
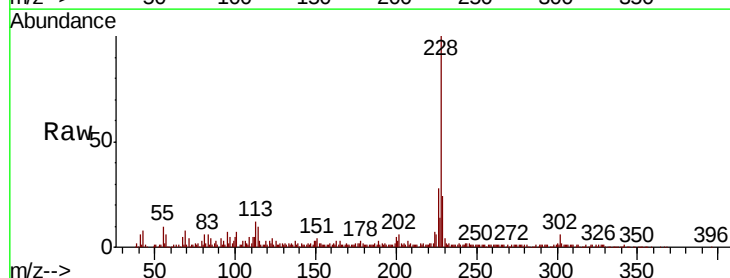
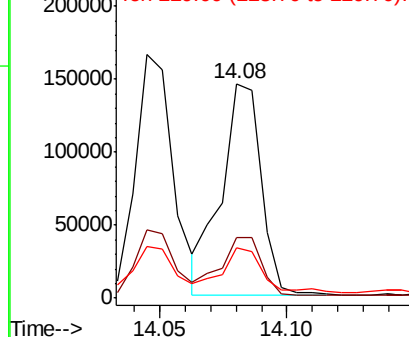
Delta R.T. -0.01 min

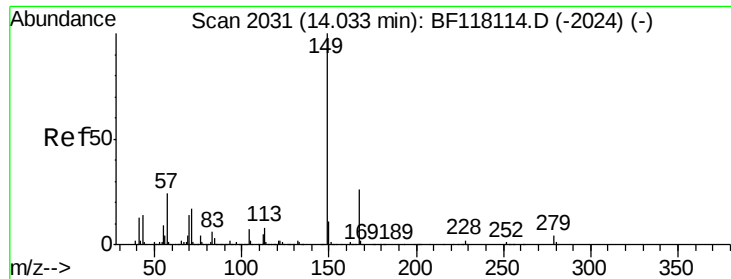
Lab File: BF118139.D

Acq: 7 Dec 2019 19:54

Tgt Ion:	228	Resp:	158302
Ion Ratio	Lower	Upper	
228	100		
226	27.9	23.8	35.8
229	23.7	15.7	23.5#

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





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.278 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.00 min

Lab File: BF118139.D

Acq: 7 Dec 2019 19:54

Instrument :

BNA_F

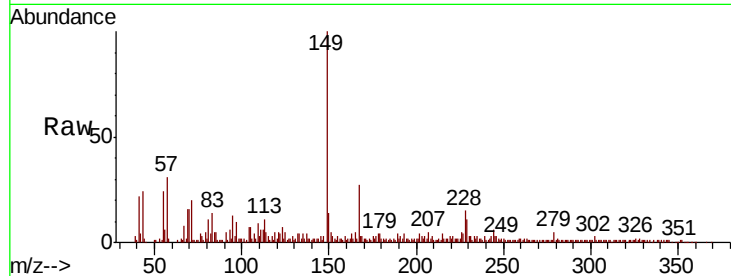
ClientSampleId :

P001-WC008

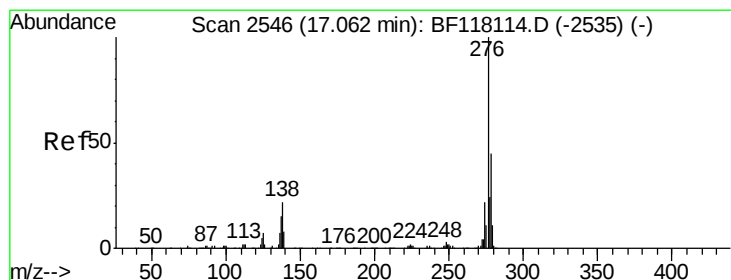
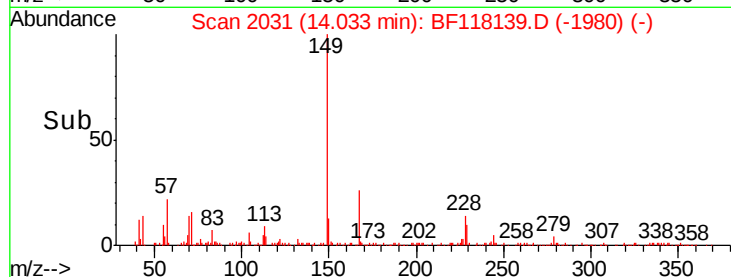
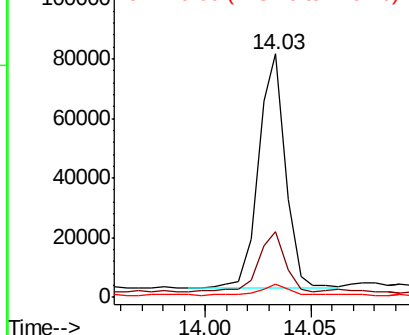
Tot Ion:	149	Resp:	70345
Ion Ratio	Lower	Upper	
149	100		
167	26.9	20.8	31.2
279	5.2	2.9	4.3#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 5.600 ng

RT: 17.06 min Scan# 2546

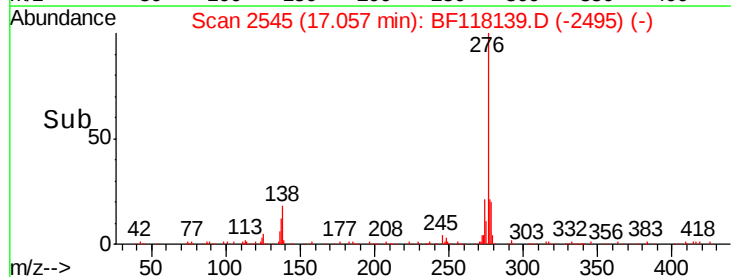
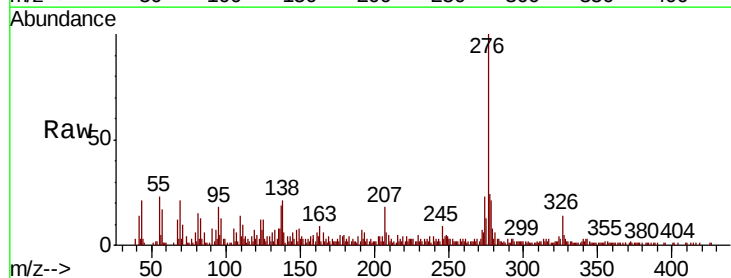
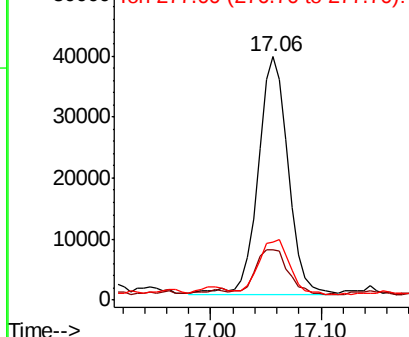
Delta R.T. -0.01 min

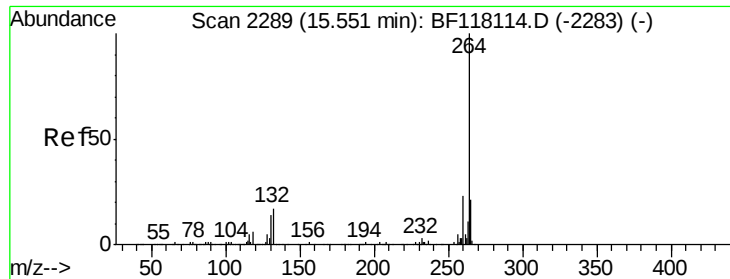
Lab File: BF118139.D

Acq: 7 Dec 2019 19:54

Tgt Ion:	276	Resp:	74106
Ion Ratio	Lower	Upper	
276	100		
138	21.6	18.9	28.3
277	23.8	20.4	30.6

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

Pervlene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2290

Delta R.T. 0.01 min

Lab File: BF118139.D

Acq: 7 Dec 2019 19:54

Instrument :

BNA_F

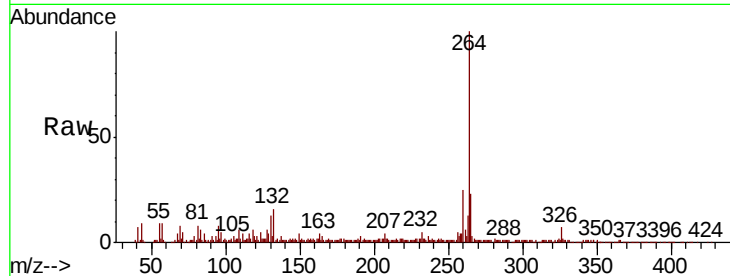
ClientSampleId :

P001-WC008

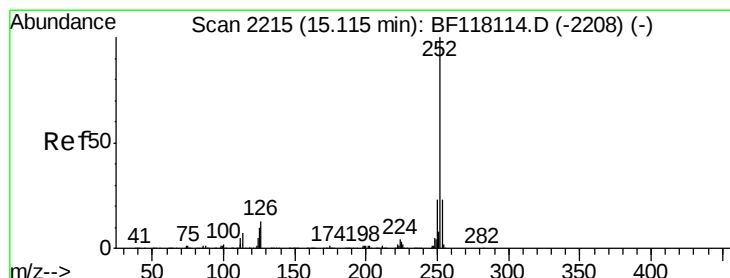
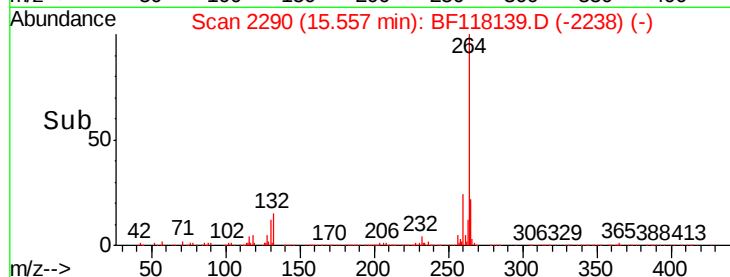
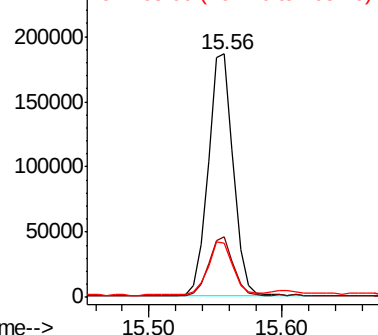
Tot Ion:	264	Resp:	242457
Ion Ratio	Lower	Upper	
264	100		
260	25.0	18.6	28.0
265	22.5	16.8	25.2

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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: 13.726 ng m

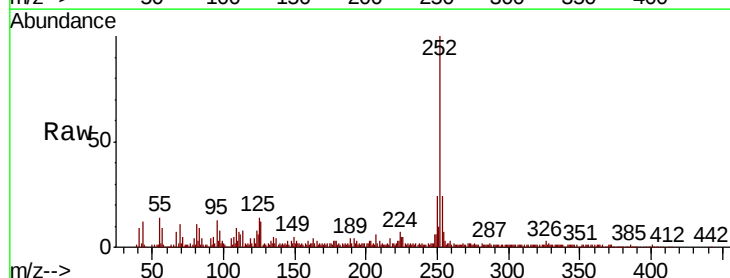
RT: 15.12 min Scan# 2215

Delta R.T. 0.00 min

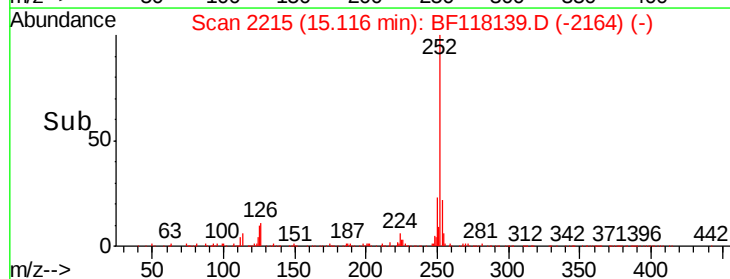
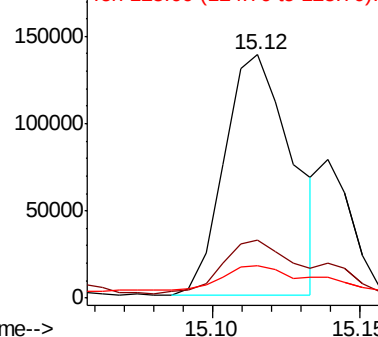
Lab File: BF118139.D

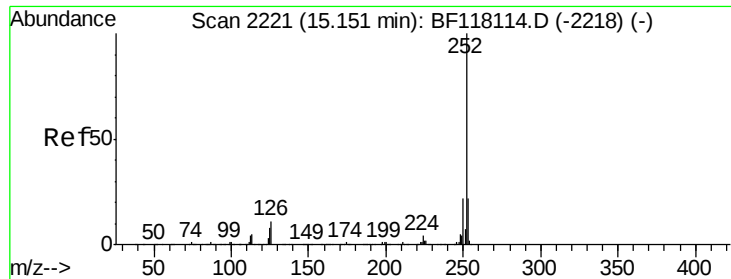
Acq: 7 Dec 2019 19:54

Tgt Ion:	252	Resp:	220104
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.2	27.4
125	13.5	8.3	12.5#



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





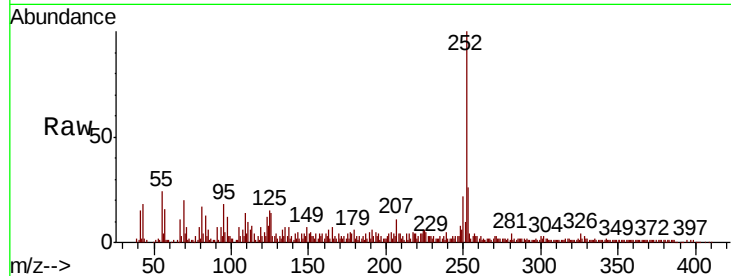
#89
Benzo(k)fluoranthene
Concen: 3.866 ng m
RT: 15.14 min Scan# 2219
Delta R.T. -0.01 min
Lab File: BF118139.D
Acq: 7 Dec 2019 19:54

Instrument :
BNA_F
ClientSampleId :
P001-WC008

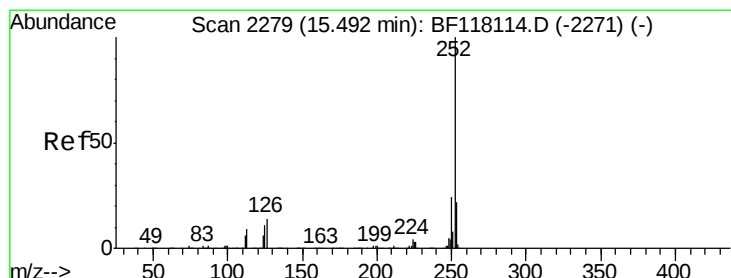
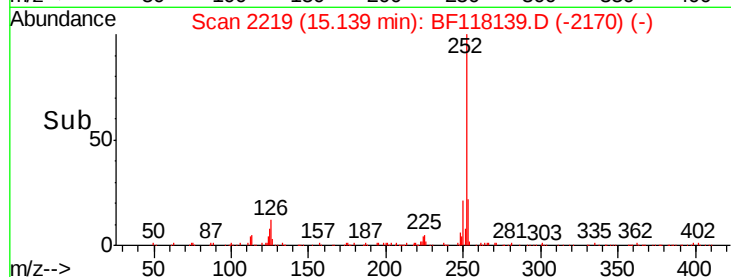
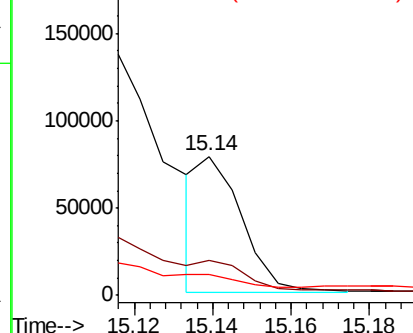
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.6	26.4
125	14.7	6.7	10.1

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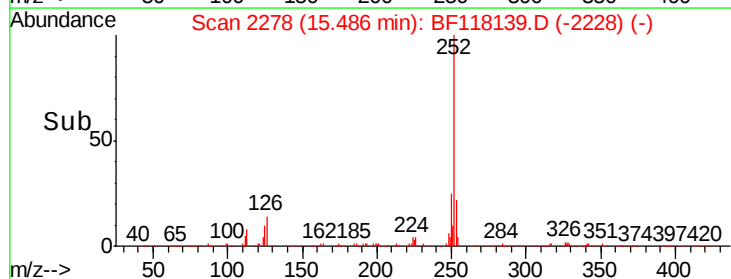
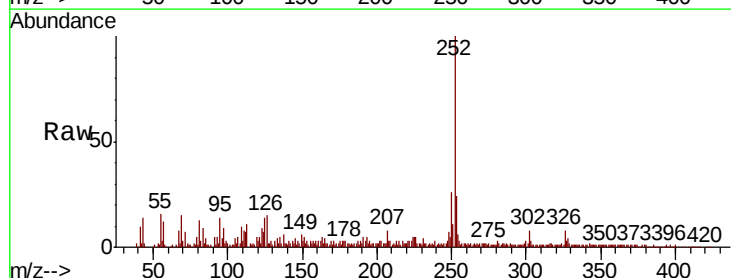
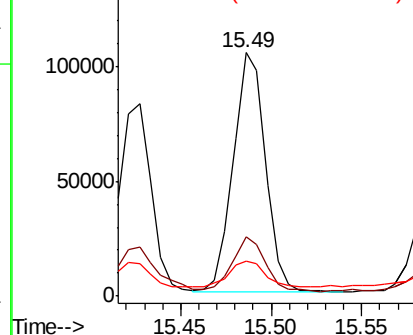
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

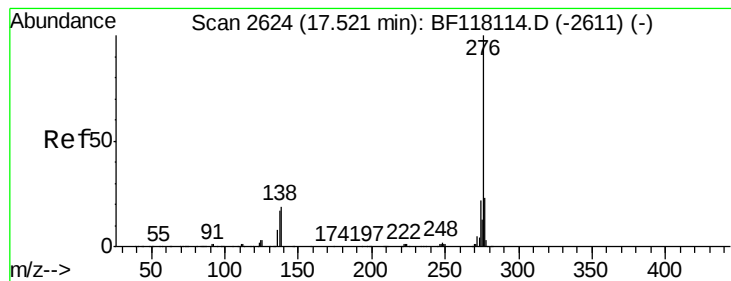


#90
Benzo(a)pyrene
Concen: 9.168 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF118139.D
Acq: 7 Dec 2019 19:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	14.4	9.1	13.7

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





#92

Benzo(a,h,i)perylene

Concen: 5.531 ng

RT: 17.52 min Scan# 2623

Delta R.T. -0.01 min

Lab File: BF118139.D

Acq: 7 Dec 2019 19:54

Instrument :

BNA_F

ClientSampleId :

P001-WC008

Tot Ion: 276 Resp: 64558

Ion Ratio Lower Upper

276 100

277 23.8 18.2 27.4

138 19.0 15.5 23.3

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