

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112219\
 Data File : BF117943.D
 Acq On : 23 Nov 2019 2:46
 Operator : JU
 Sample : K5671-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112119

Manual Integrations
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Quant Time: Nov 23 05:53:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	183080	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	676014	20.00	ng	-0.02
39) Acenaphthene-d10	9.95	164	355481	20.00	ng	-0.02
64) Phenanthrene-d10	11.45	188	581921	20.00	ng	-0.02
76) Chrysene-d12	14.09	240	337032	20.00	ng	-0.02
87) Perylene-d12	15.60	264	380021	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	937712	90.66	ng	-0.01
7) Phenol-d6	6.53	99	1220943	97.87	ng	-0.02
23) Nitrobenzene-d5	7.46	82	715920	62.96	ng	-0.03
42) 2,4,6-Tribromophenol	10.75	330	292476	77.72	ng	-0.02
45) 2-Fluorobiphenyl	9.27	172	1307599	65.99	ng	-0.02
79) Terphenyl-d14	13.03	244	914875	49.61	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.66	163	237653	9.534	ng	98
71) Phenanthrene	11.47	178	375599	12.838	ng	96
72) Anthracene	11.52	178	100891	3.478	ng	96
75) Fluoranthene	12.66	202	488130	12.965	ng	99
78) Pyrene	12.89	202	374702	13.757	ng	97
81) Benzo(a)anthracene	14.08	228	208932	9.381	ng	98
83) Chrysene	14.12	228	184088	8.530	ng	96
86) Indeno(1,2,3-cd)pyrene	17.12	276	124746	6.792	ng	95
88) Benzo(b)fluoranthene	15.15	252	231942m	9.394	ng	
89) Benzo(k)fluoranthene	15.18	252	76614m	3.293	ng	
90) Benzo(a)pyrene	15.53	252	187400	8.632	ng	99
92) Benzo(a,h,i)perylene	17.57	276	141512	7.603	ng	97

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

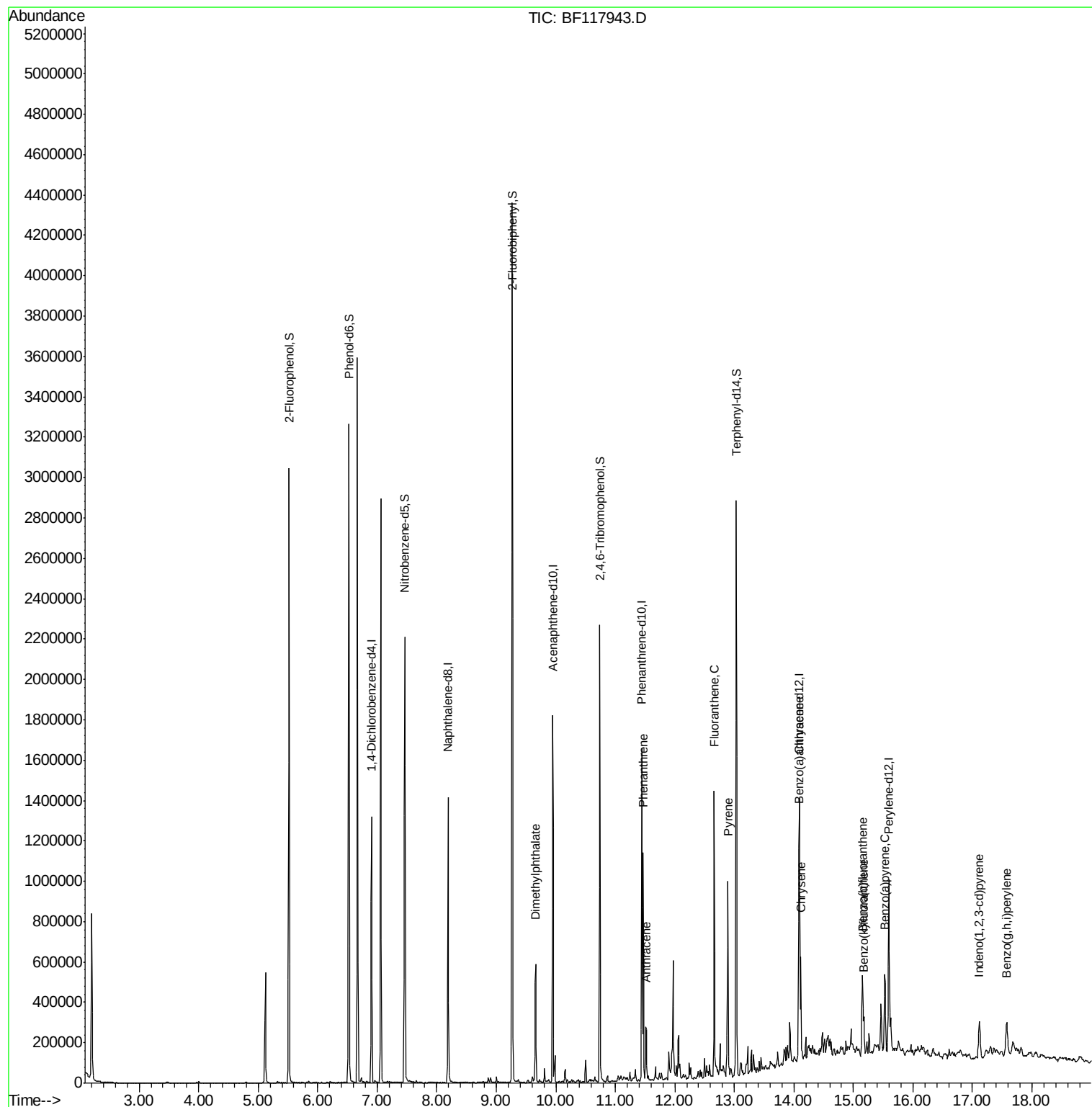
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112219\
Data File : BF117943.D
Acq On : 23 Nov 2019 2:46
Operator : JU
Sample : K5671-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

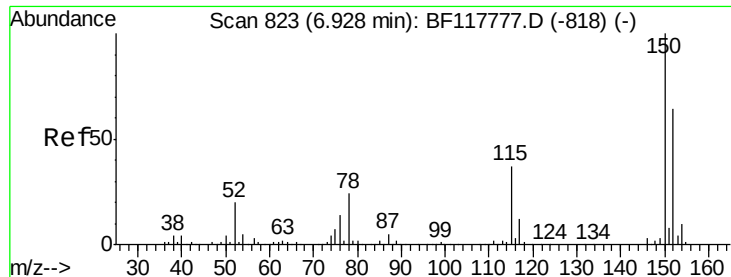
Instrument :
BNA_F
ClientSampleId :
OR-02-112119

Quant Time: Nov 23 05:53:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 18:36:07 2019
Response via : Initial Calibration

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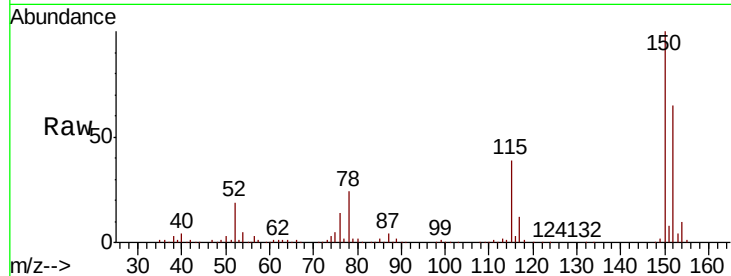
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 819
 Delta R.T. -0.02 min
 Lab File: BF117943.D
 Acq: 23 Nov 2019 2:46

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112119

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	125.3	187.9
115	60.0	47.0	70.4

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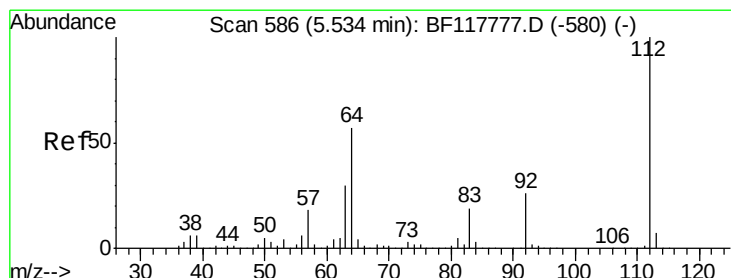
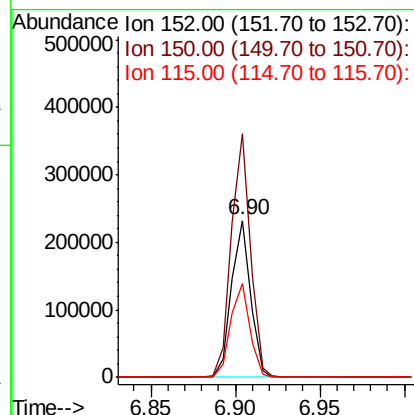
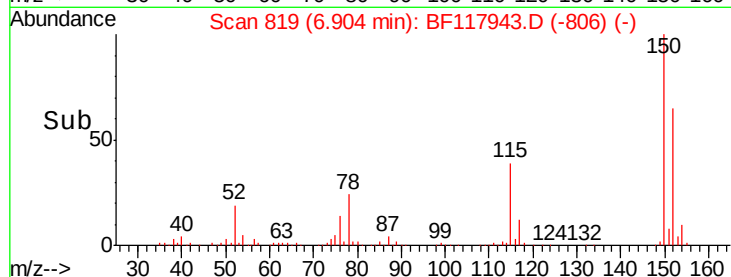


Abundance

Ion 152.00 (151.70 to 152.70): E

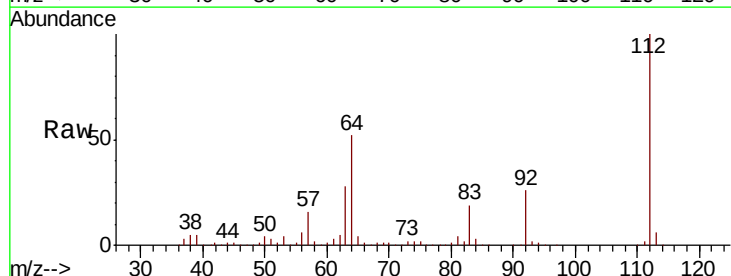
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 90.663 ng
 RT: 5.52 min Scan# 584
 Delta R.T. -0.01 min
 Lab File: BF117943.D
 Acq: 23 Nov 2019 2:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	45.6	68.4
63	27.6	24.1	36.1

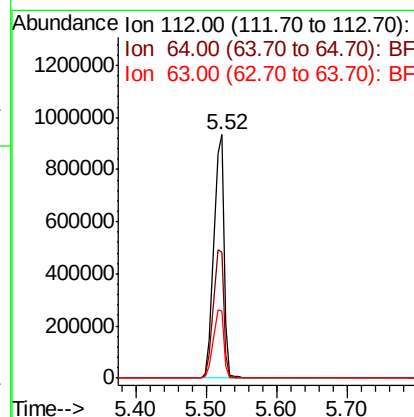
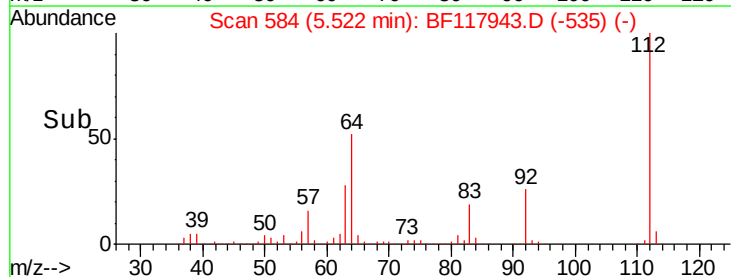


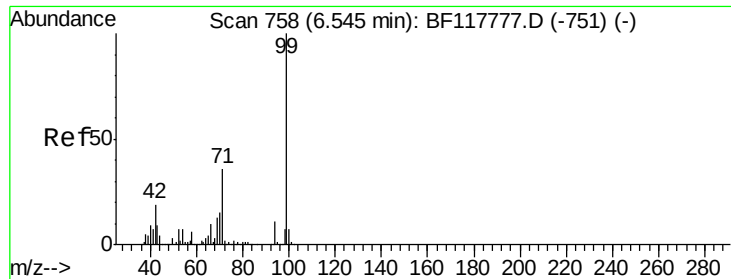
Abundance

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: 97.870 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF117943.D

Acq: 23 Nov 2019 2:46

Instrument :

BNA_F

ClientSampleId :

OR-02-112119

Tot Ion: 99 Resp: 1220943

Ion Ratio Lower Upper

99 100

42 16.8 14.9 22.3

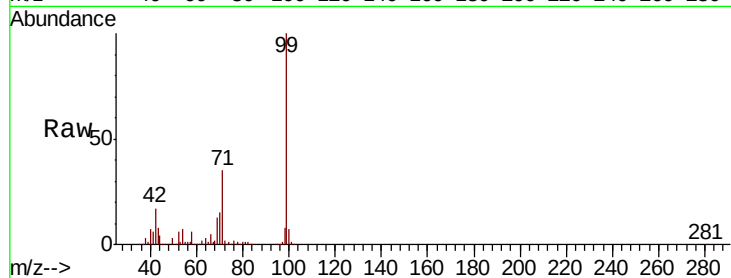
71 34.9 28.6 43.0

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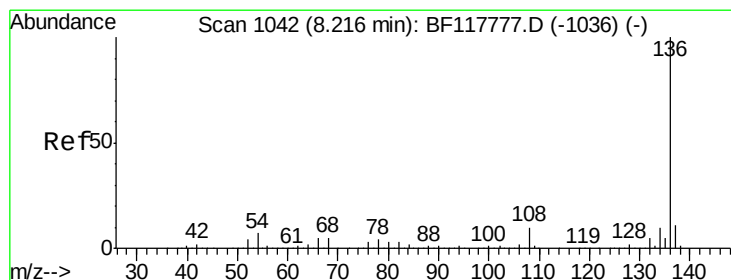
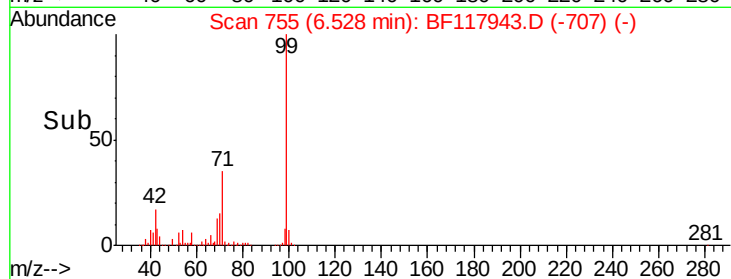
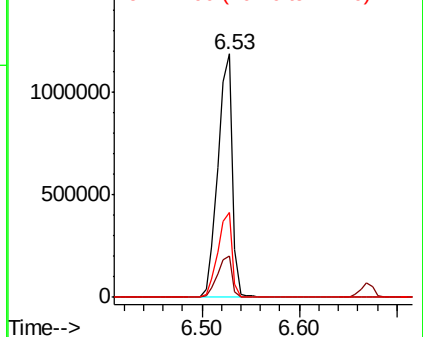
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.02 min

Lab File: BF117943.D

Acq: 23 Nov 2019 2:46

Tgt Ion: 136 Resp: 676014

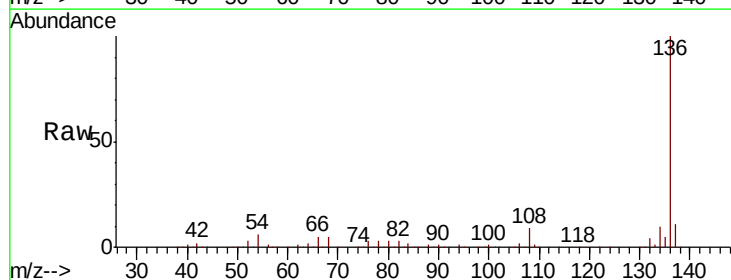
Ion Ratio Lower Upper

136 100

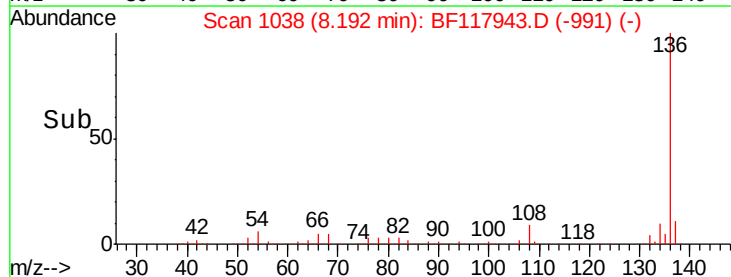
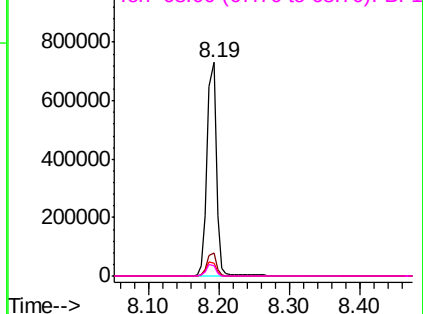
137 11.0 9.0 13.4

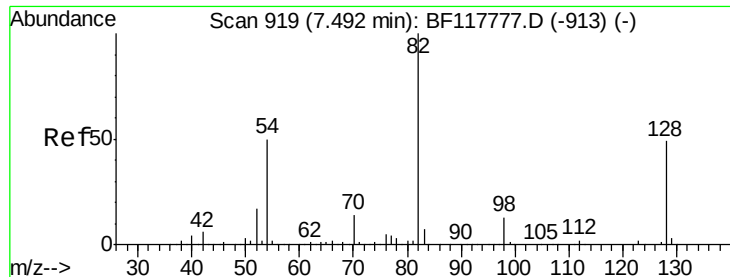
54 6.3 5.4 8.2

68 5.1 4.3 6.5



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





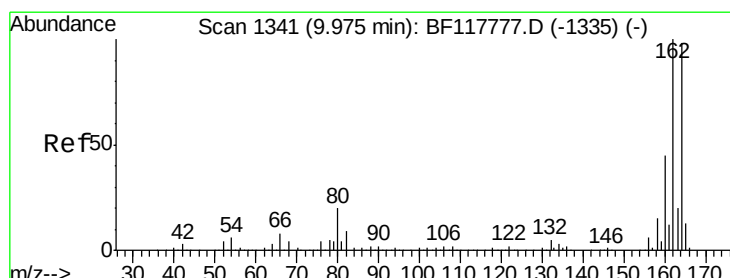
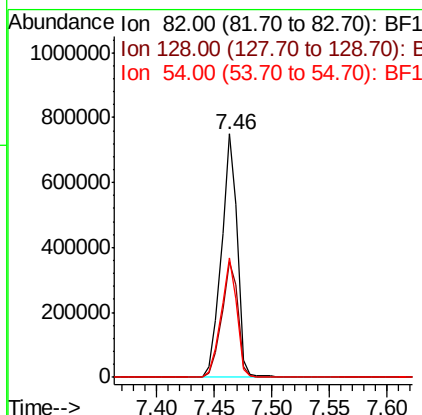
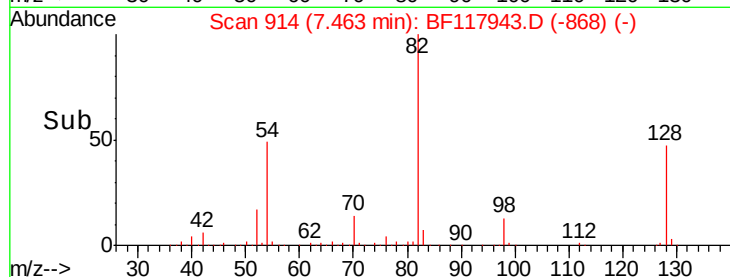
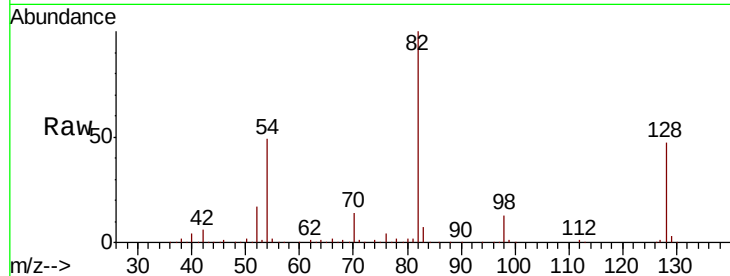
#23
Nitrobenzene-d5
Concen: 62.955 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.03 min
Lab File: BF117943.D
Acq: 23 Nov 2019 2:46

Instrument :
BNA_F
ClientSampleId :
OR-02-112119

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.4	38.9	58.3
54	49.2	39.8	59.6

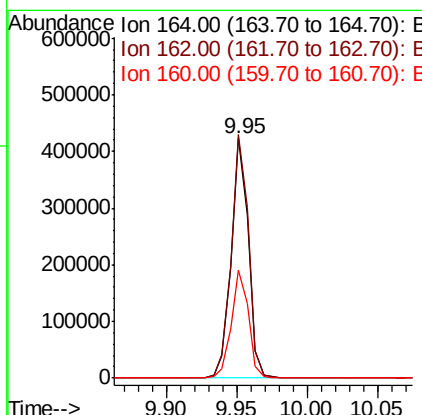
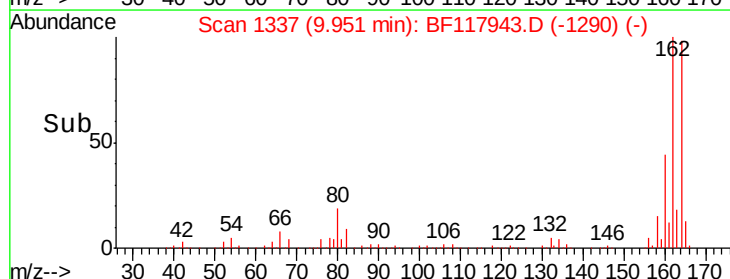
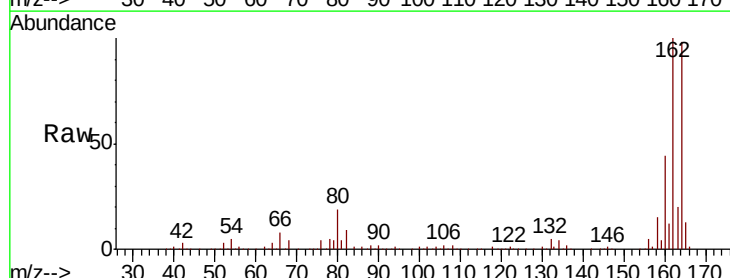
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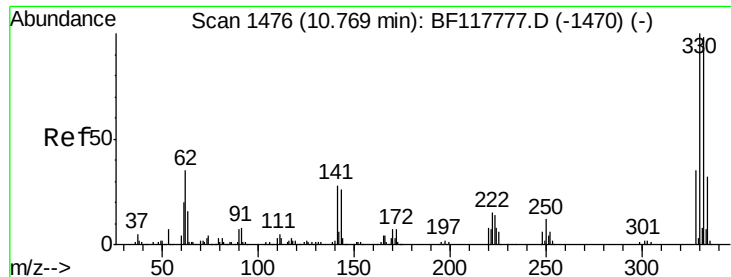
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BF117943.D
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Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.3	121.9
160	45.0	36.6	55.0





#42

2,4,6-Tribromophenol

Concen: 77.715 ng

RT: 10.75 min Scan# 1472

Delta R.T. -0.02 min

Lab File: BF117943.D

Acq: 23 Nov 2019 2:46

Instrument :

BNA_F

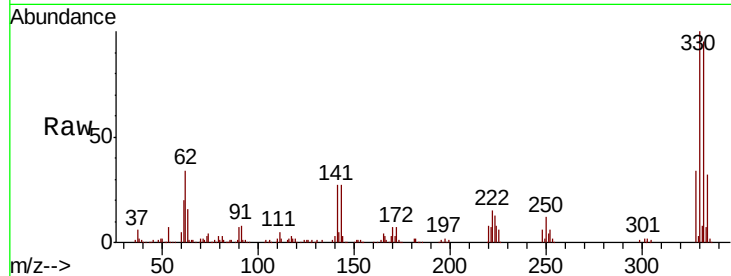
ClientSampleId :

OR-02-112119

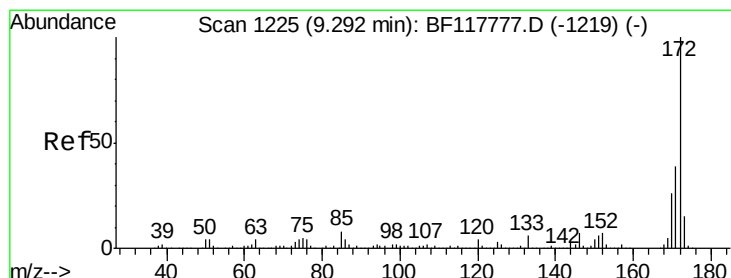
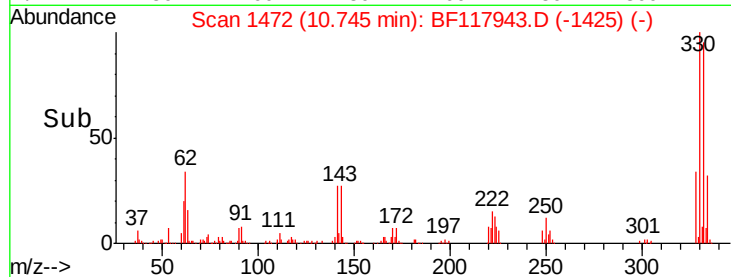
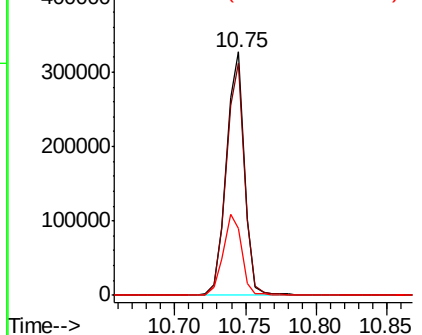
Tot Ion:	330	Resp:	292476
Ion Ratio	Lower	Upper	
330	100		
332	96.6	76.7	115.1
141	34.3	27.7	41.5

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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: 65.992 ng

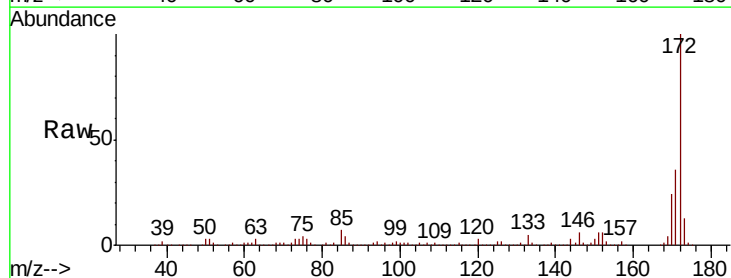
RT: 9.27 min Scan# 1221

Delta R.T. -0.02 min

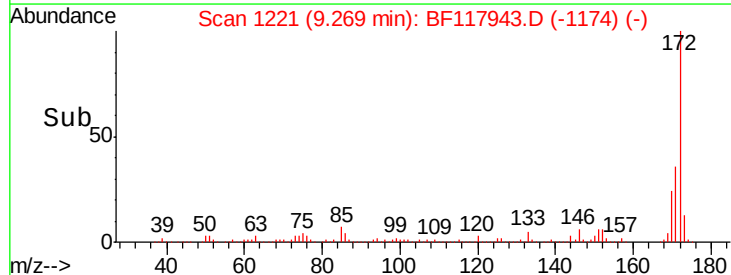
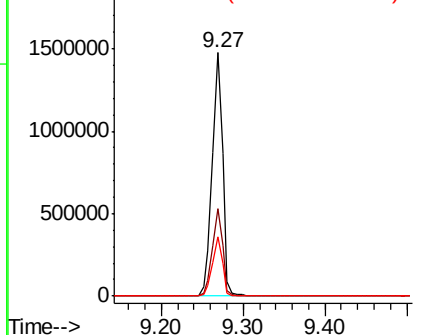
Lab File: BF117943.D

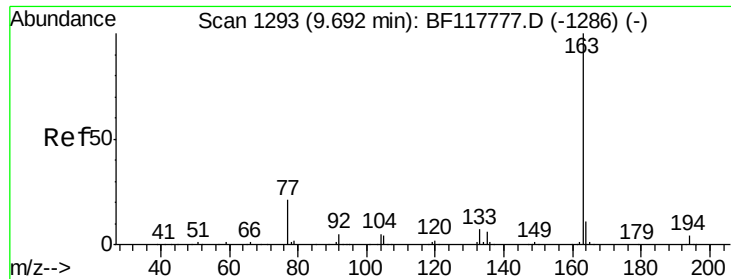
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Tgt Ion:	172	Resp:	1307599
Ion Ratio	Lower	Upper	
172	100		
171	36.1	30.9	46.3
170	24.1	21.0	31.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





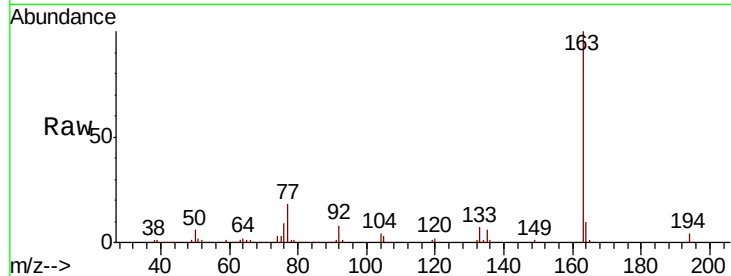
#50
Dimethylphthalate
Concen: 9.534 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BF117943.D
Acq: 23 Nov 2019 2:46

Instrument :
BNA_F
ClientSampleId :
OR-02-112119

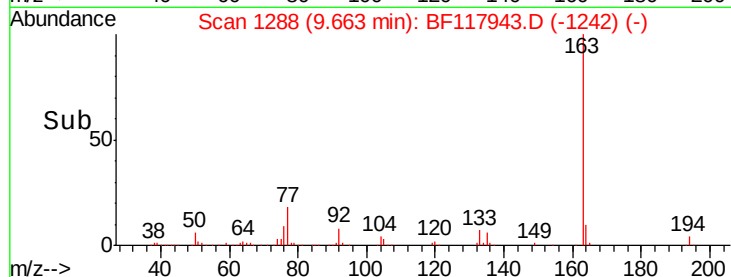
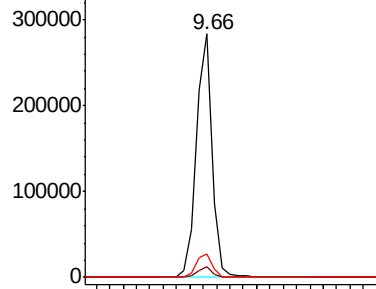
Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.4	3.3	4.9
164	9.9	8.7	13.1

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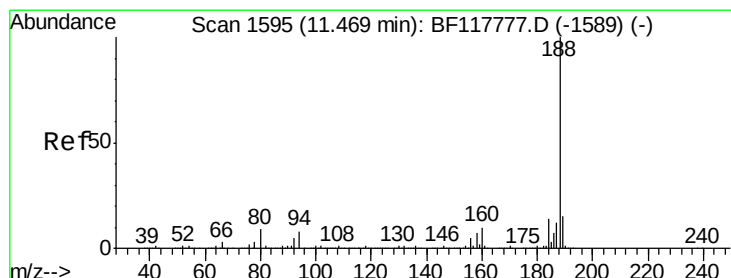
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

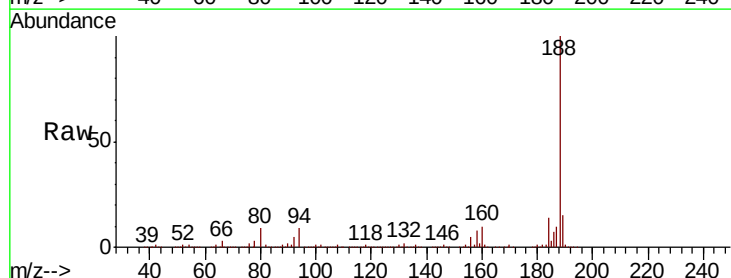


Time-->

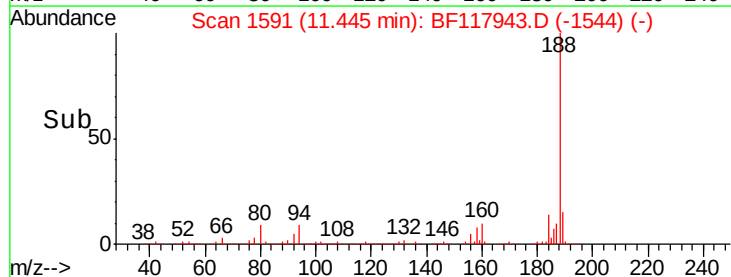
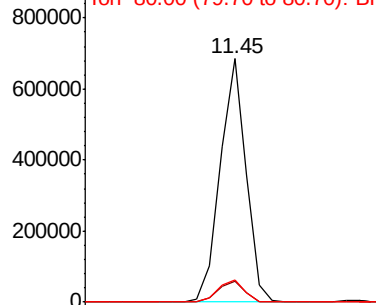


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.02 min
Lab File: BF117943.D
Acq: 23 Nov 2019 2:46

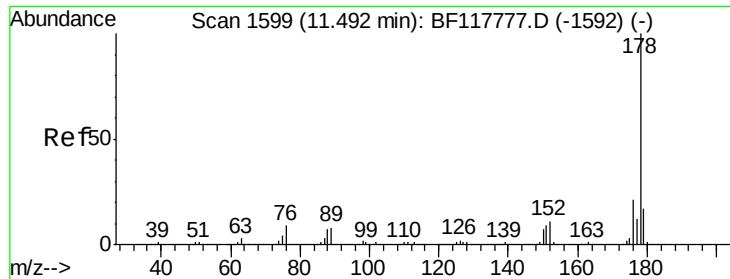
Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	8.8	6.6	10.0
80	9.3	7.2	10.8



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



Time-->



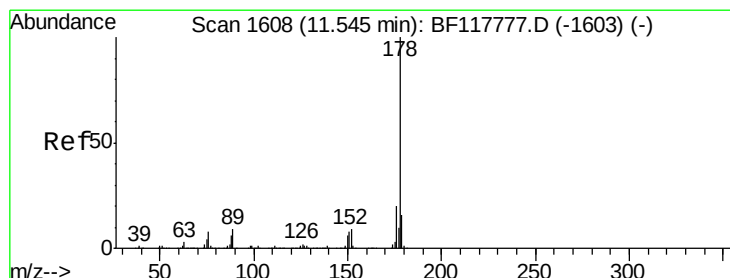
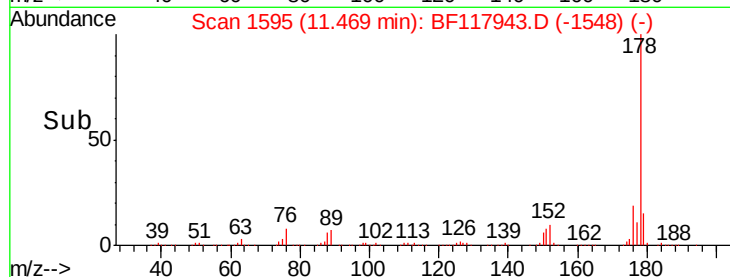
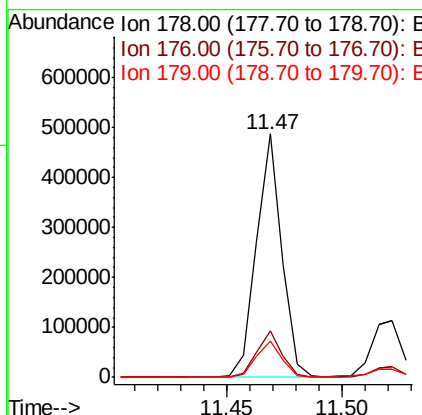
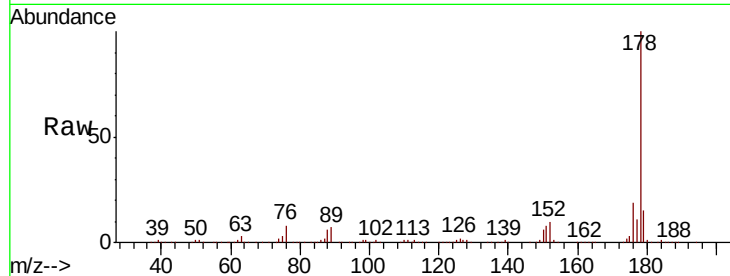
#71
Phenanthrene
Concen: 12.838 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.02 min
Lab File: BF117943.D
Acq: 23 Nov 2019 2:46

Instrument :
BNA_F
ClientSampleId :
OR-02-112119

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.6	25.0
179	15.1	13.2	19.8

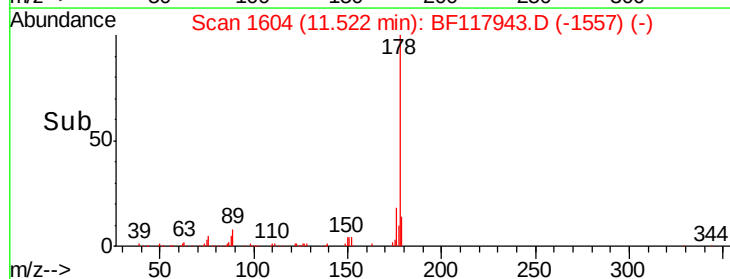
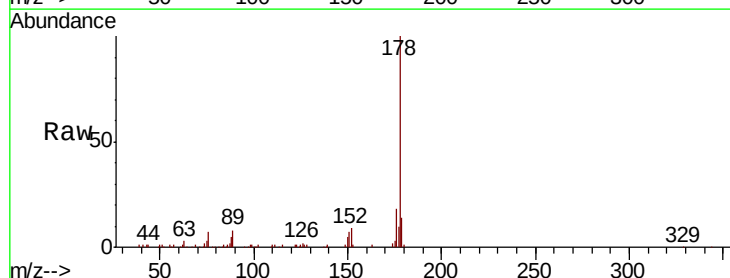
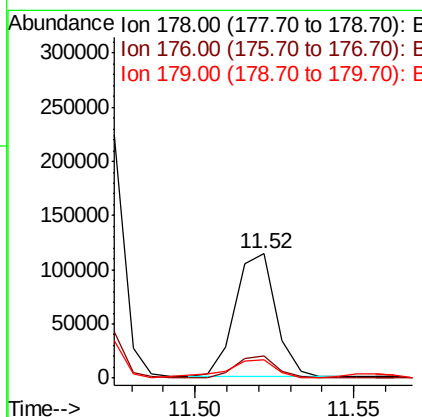
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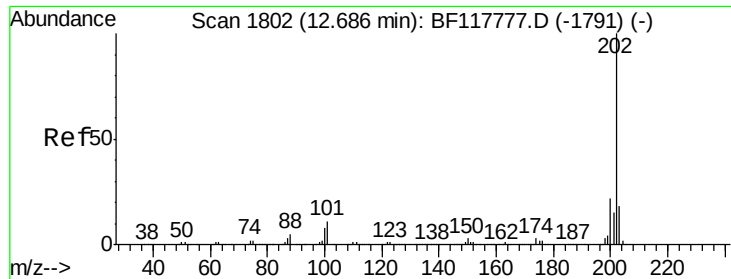
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#72
Anthracene
Concen: 3.478 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.02 min
Lab File: BF117943.D
Acq: 23 Nov 2019 2:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.1	24.1
179	14.2	13.0	19.4





#75

Fluoranthene

Concen: 12.965 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.02 min

Lab File: BF117943.D

Acq: 23 Nov 2019 2:46

Instrument :

BNA_F

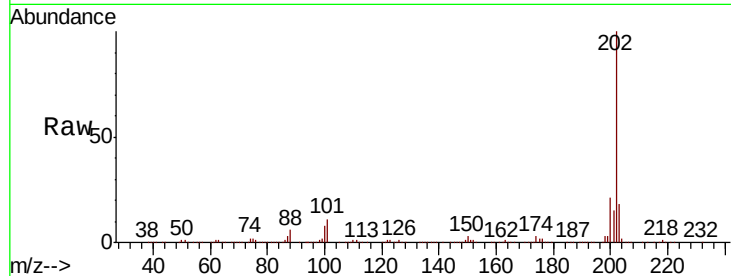
ClientSampleId :

OR-02-112119

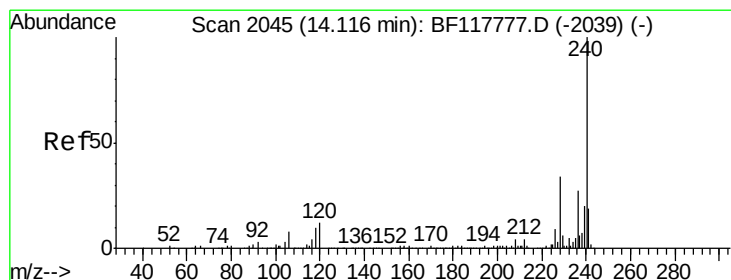
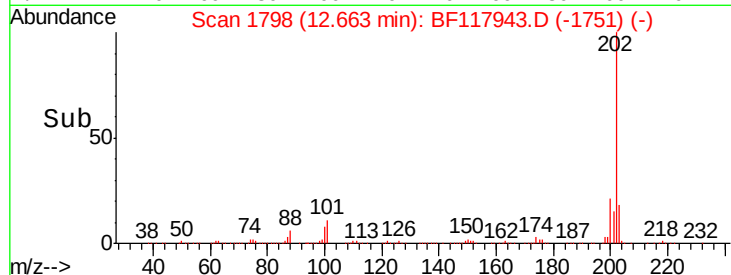
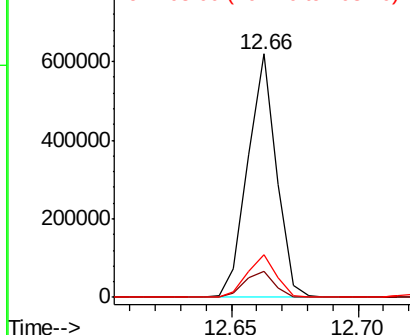
Tot Ion	Ratio	Resp	Lower	Upper
202	100	488130		
101	10.8	0.0	31.1	
203	17.7	0.0	38.2	

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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

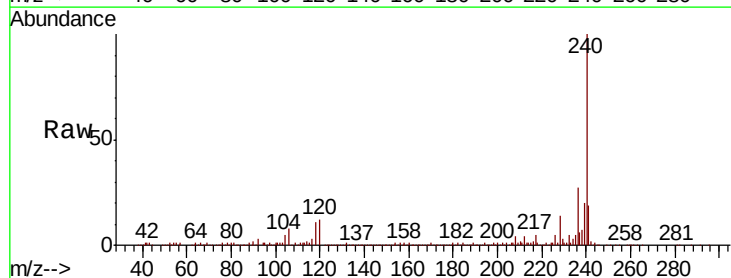
RT: 14.09 min Scan# 2041

Delta R.T. -0.02 min

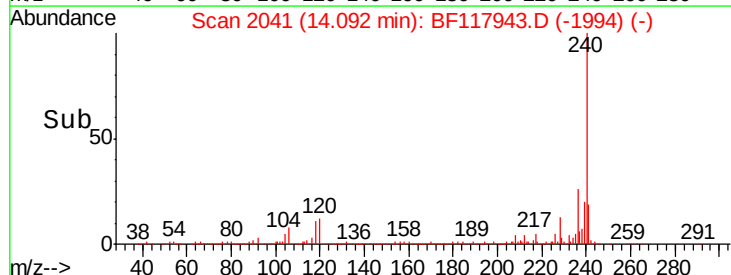
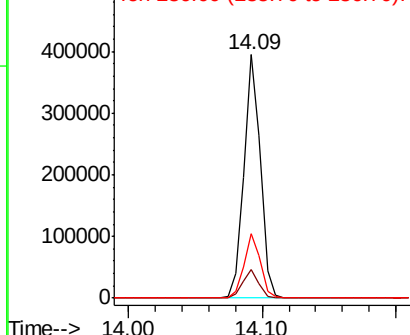
Lab File: BF117943.D

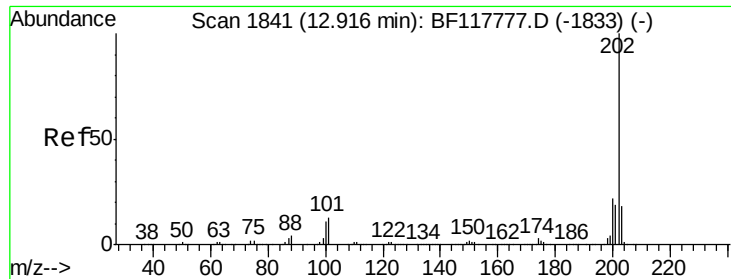
Acq: 23 Nov 2019 2:46

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	337032		
120	11.6	9.5	14.3	
236	26.5	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: 13.757 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.02 min

Lab File: BF117943.D

Acq: 23 Nov 2019 2:46

Instrument :

BNA_F

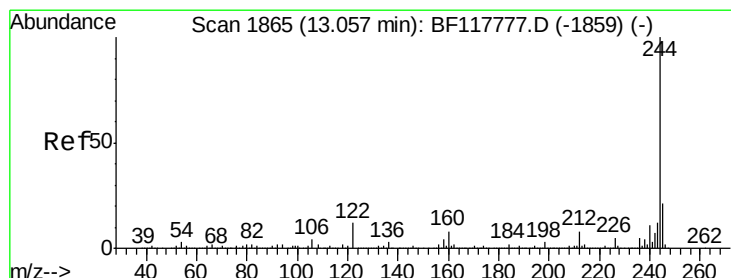
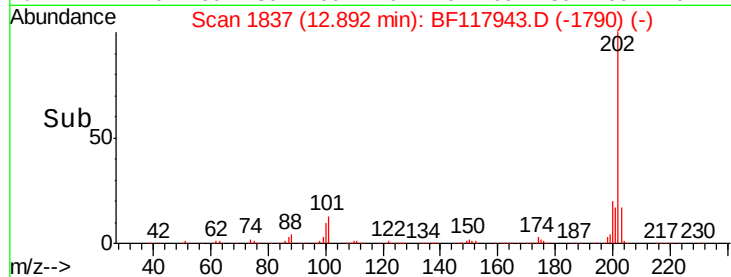
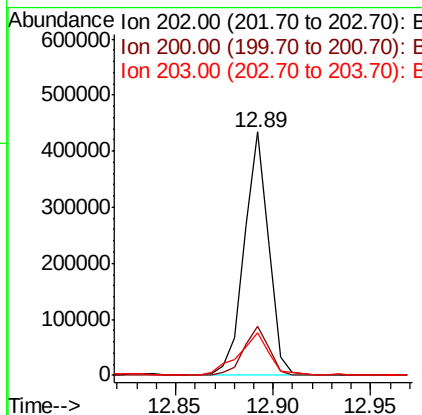
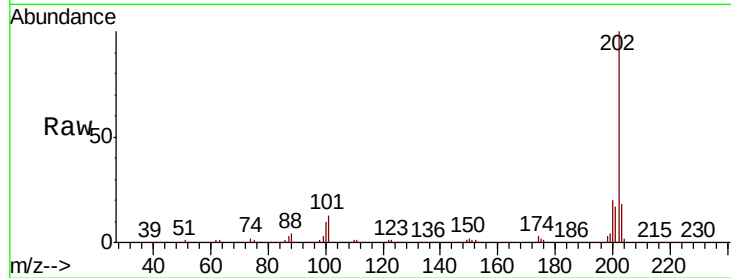
ClientSampleId :

OR-02-112119

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.8	26.8
203	17.6	14.6	22.0

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#79

Terphenyl-d14

Concen: 49.611 ng

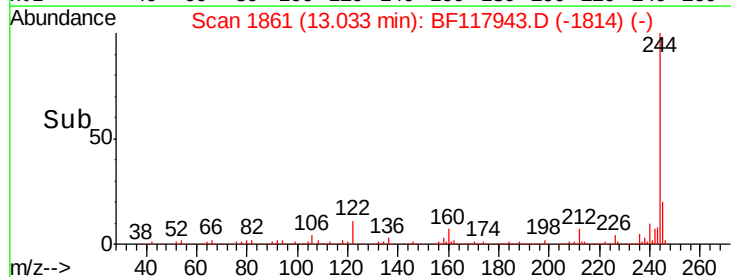
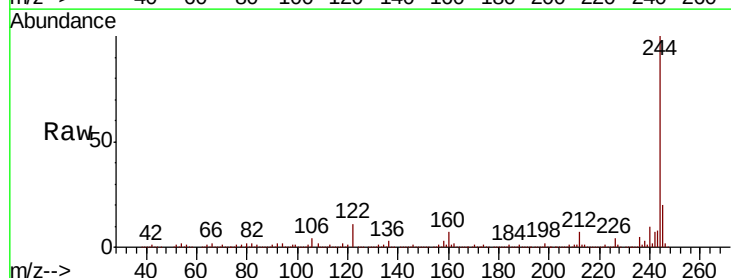
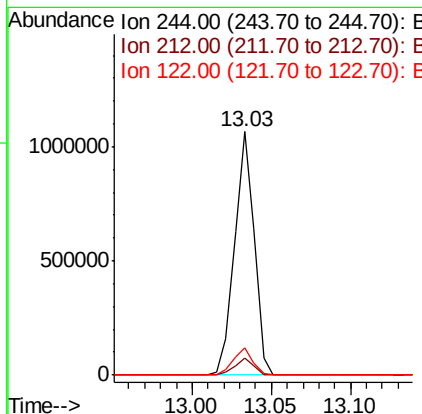
RT: 13.03 min Scan# 1861

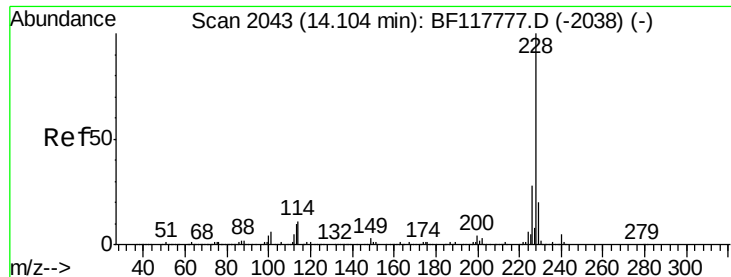
Delta R.T. -0.02 min

Lab File: BF117943.D

Acq: 23 Nov 2019 2:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.3	9.5
122	11.0	9.4	14.2





#81

Benzo(a)anthracene

Concen: 9.381 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.02 min

Lab File: BF117943.D

Acq: 23 Nov 2019 2:46

Instrument :

BNA_F

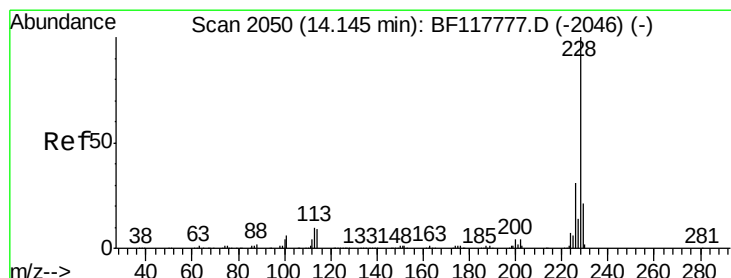
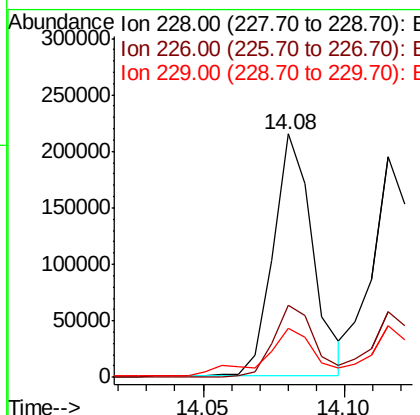
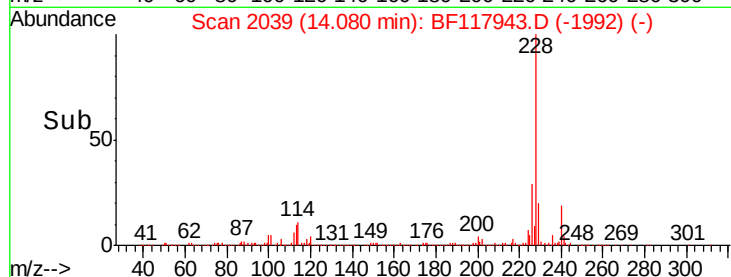
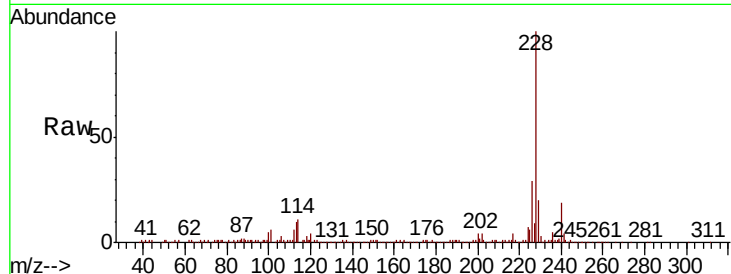
ClientSampleId :

OR-02-112119

Tot Ion:	228	Resp:	208932
Ion Ratio	Lower	Upper	
228	100		
226	29.4	22.2	33.2
229	20.1	15.9	23.9

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#83

Chrysene

Concen: 8.530 ng

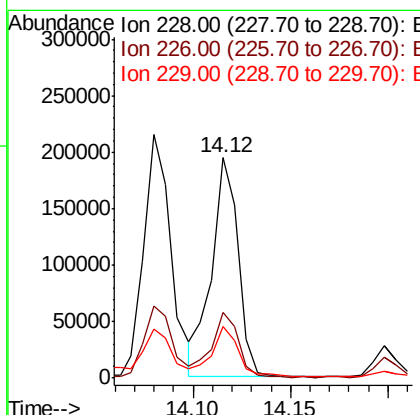
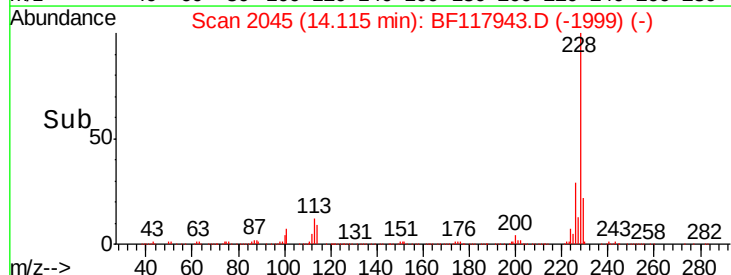
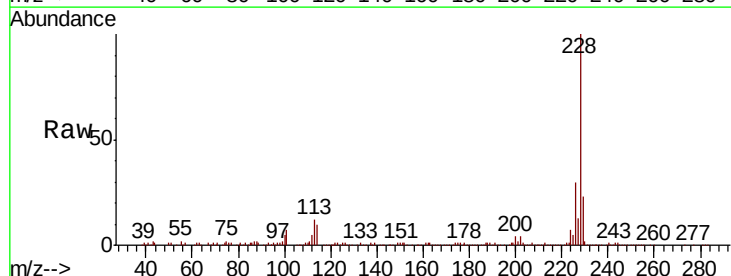
RT: 14.12 min Scan# 2045

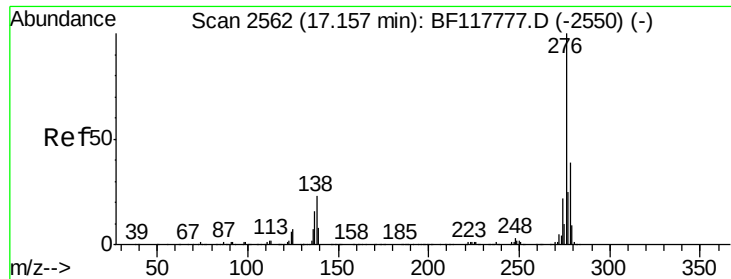
Delta R.T. -0.03 min

Lab File: BF117943.D

Acq: 23 Nov 2019 2:46

Tgt Ion:	228	Resp:	184088
Ion Ratio	Lower	Upper	
228	100		
226	29.7	25.0	37.4
229	23.2	16.6	25.0





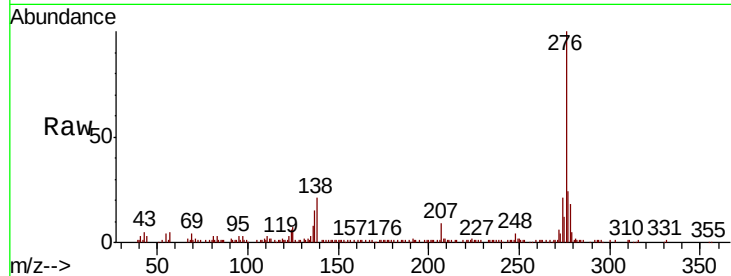
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.792 ng
RT: 17.12 min Scan# 2555
Delta R.T. -0.04 min
Lab File: BF117943.D
Acq: 23 Nov 2019 2:46

Instrument :
BNA_F
ClientSampleId :
OR-02-112119

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	20.9	31.3
277	24.6	20.3	30.5

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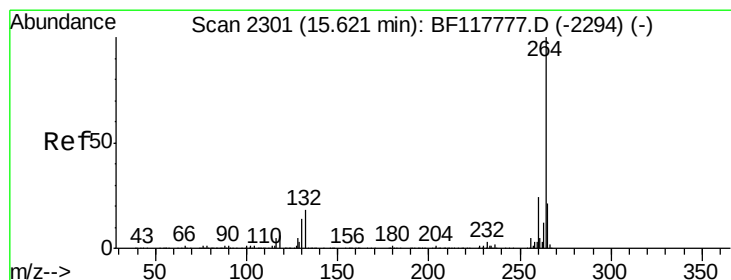
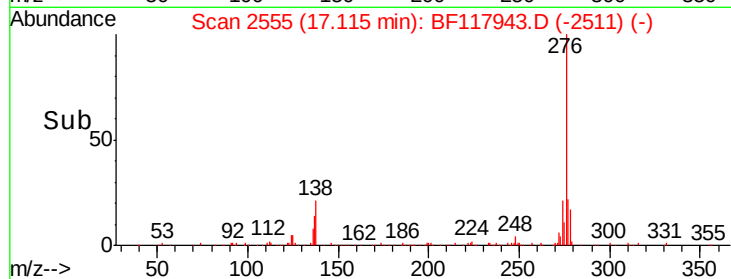
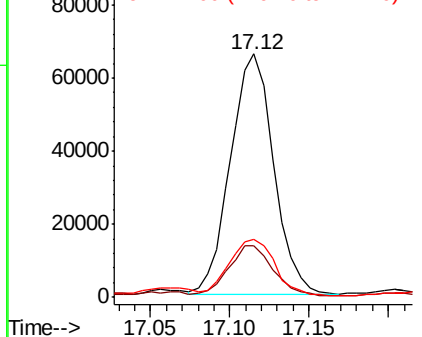


Abundance

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: 15.60 min Scan# 2297
Delta R.T. -0.02 min
Lab File: BF117943.D
Acq: 23 Nov 2019 2:46

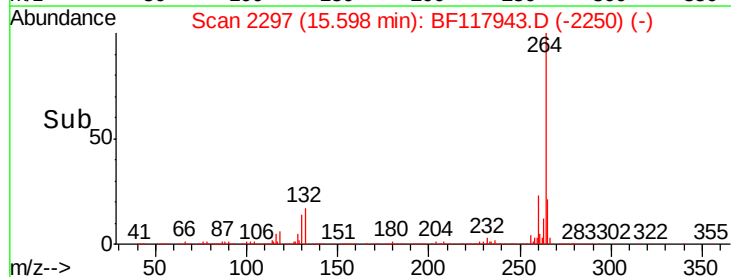
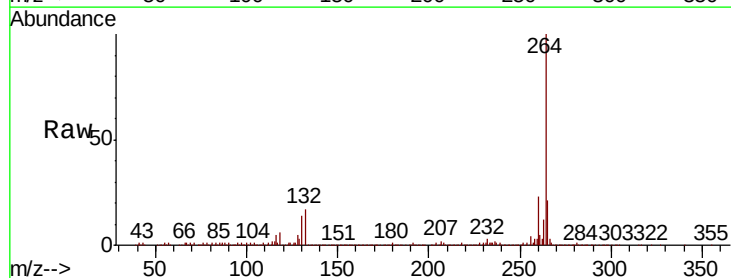
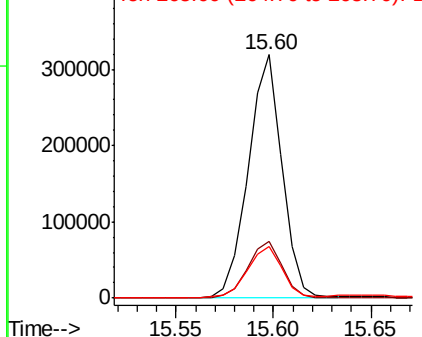
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.0
265	21.4	17.1	25.7

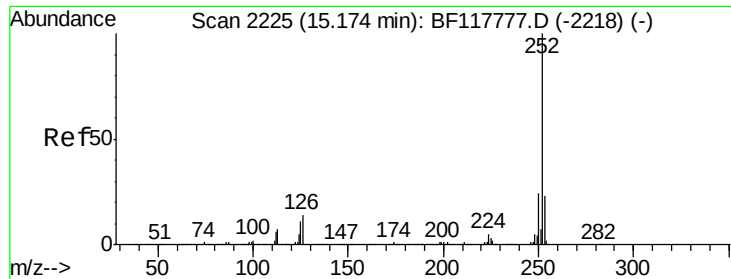
Abundance

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





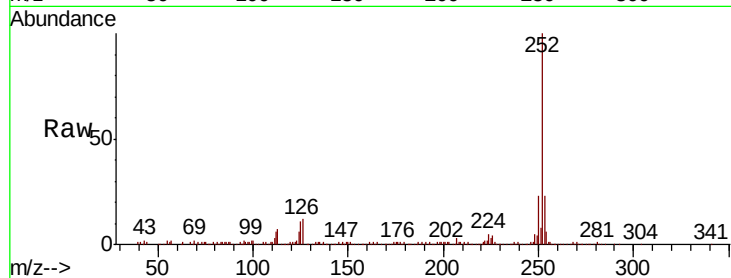
#88
Benzo(b)fluoranthene
Concen: 9.394 ng m
RT: 15.15 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF117943.D
Acq: 23 Nov 2019 2:46

Instrument :
BNA_F
ClientSampleId :
OR-02-112119

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	10.8	8.6	13.0

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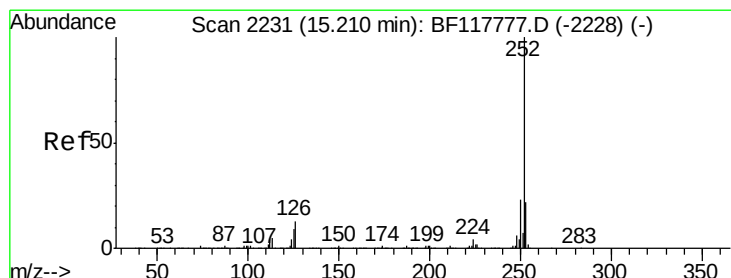
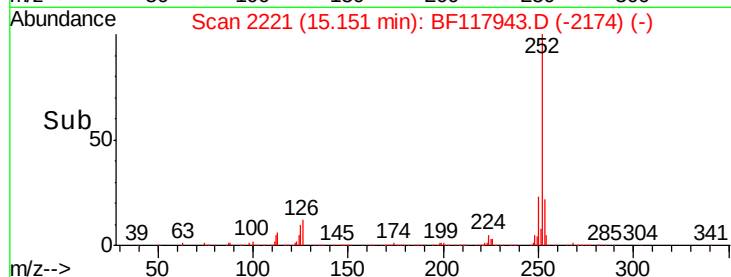
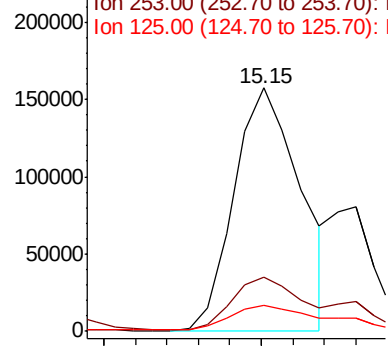


Abundance

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: 3.293 ng m
RT: 15.18 min Scan# 2226
Delta R.T. -0.03 min
Lab File: BF117943.D
Acq: 23 Nov 2019 2:46

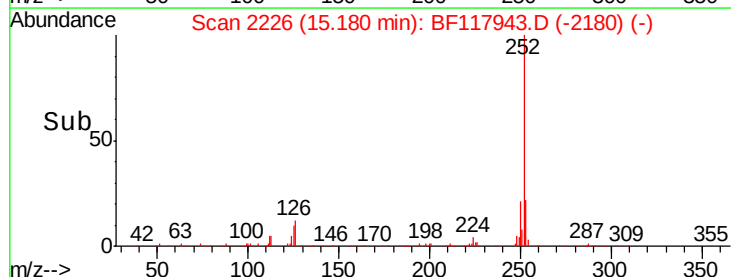
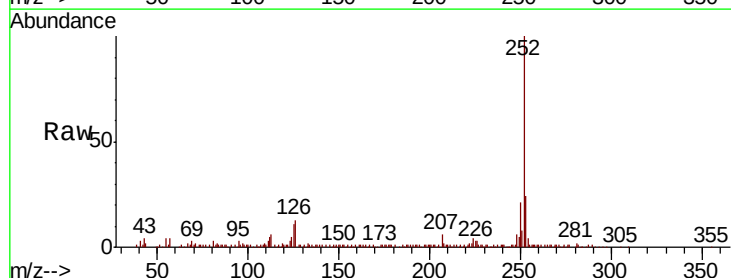
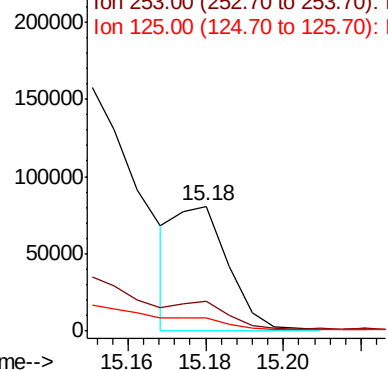
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	11.0	7.9	11.9

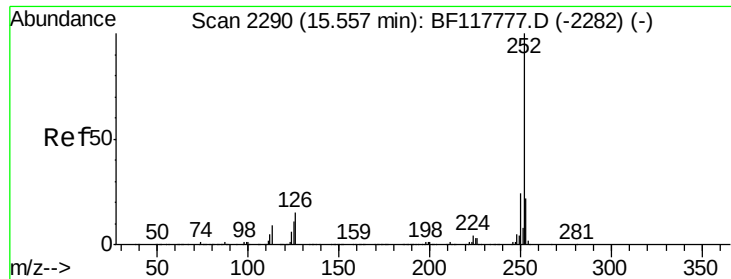
Abundance

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





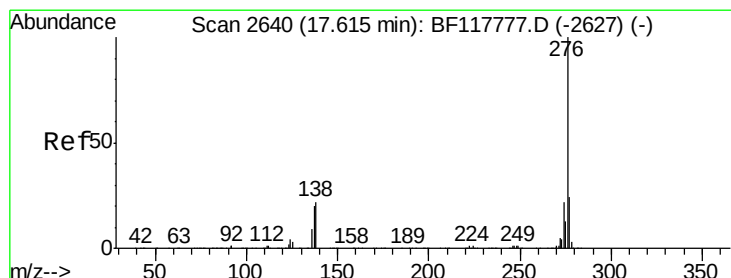
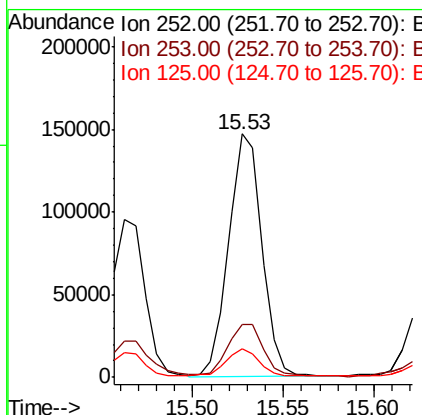
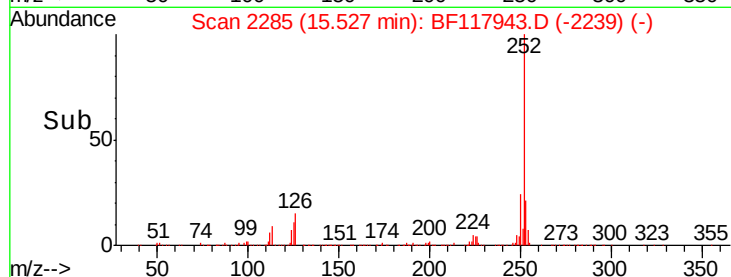
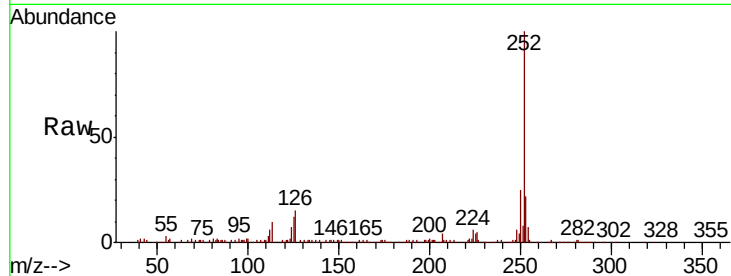
#90
Benzo(a)pyrene
Concen: 8.632 ng
RT: 15.53 min Scan# 2285
Delta R.T. -0.03 min
Lab File: BF117943.D
Acq: 23 Nov 2019 2:46

Instrument :
BNA_F
ClientSampleId :
OR-02-112119

Tot Ion:	252	Resp:	187400
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.8	26.6
125	11.9	9.2	13.8

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#92
Benzo(g,h,i)perylene
Concen: 7.603 ng
RT: 17.57 min Scan# 2633
Delta R.T. -0.04 min
Lab File: BF117943.D
Acq: 23 Nov 2019 2:46

Tgt Ion:	276	Resp:	141512
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.9	28.3
138	23.8	17.4	26.2

