

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031820\
 Data File : BF119440.D
 Acq On : 19 Mar 2020 3:13
 Operator : CG/JU
 Sample : L1759-11 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-031620

Manual Integrations
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Quant Time: Mar 19 08:46:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 18 15:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	374390	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1336479	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	588371	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	924202	20.00	ng	0.00
76) Chrysene-d12	14.03	240	699518	20.00	ng	0.00
87) Perylene-d12	15.50	264	647222	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1154045	49.07	ng	0.00
7) Phenol-d6	6.47	99	1422992	47.37	ng	0.00
23) Nitrobenzene-d5	7.42	82	843504	34.30	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	264943	43.65	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1548115	38.98	ng	0.00
79) Terphenyl-d14	12.97	244	1275225	35.72	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.61	163	265371	6.350	ng	99
71) Phenanthrene	11.41	178	592451	12.363	ng	98
72) Anthracene	11.46	178	197764	4.060	ng	98
75) Fluoranthene	12.60	202	1128462	21.758	ng	99
78) Pyrene	12.83	202	1031476	17.967	ng	99
81) Benzo(a)anthracene	14.02	228	606643	13.336	ng	97
83) Chrysene	14.05	228	520680	11.091	ng	96
86) Indeno(1,2,3-cd)pyrene	16.97	276	239880	5.425	ng	94
88) Benzo(b)fluoranthene	15.07	252	646832m	14.961	ng	
89) Benzo(k)fluoranthene	15.10	252	249559m	6.062	ng	
90) Benzo(a)pyrene	15.43	252	466908	11.883	ng	98
92) Benzo(a,h,i)perylene	17.41	276	218368	6.325	ng	99

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

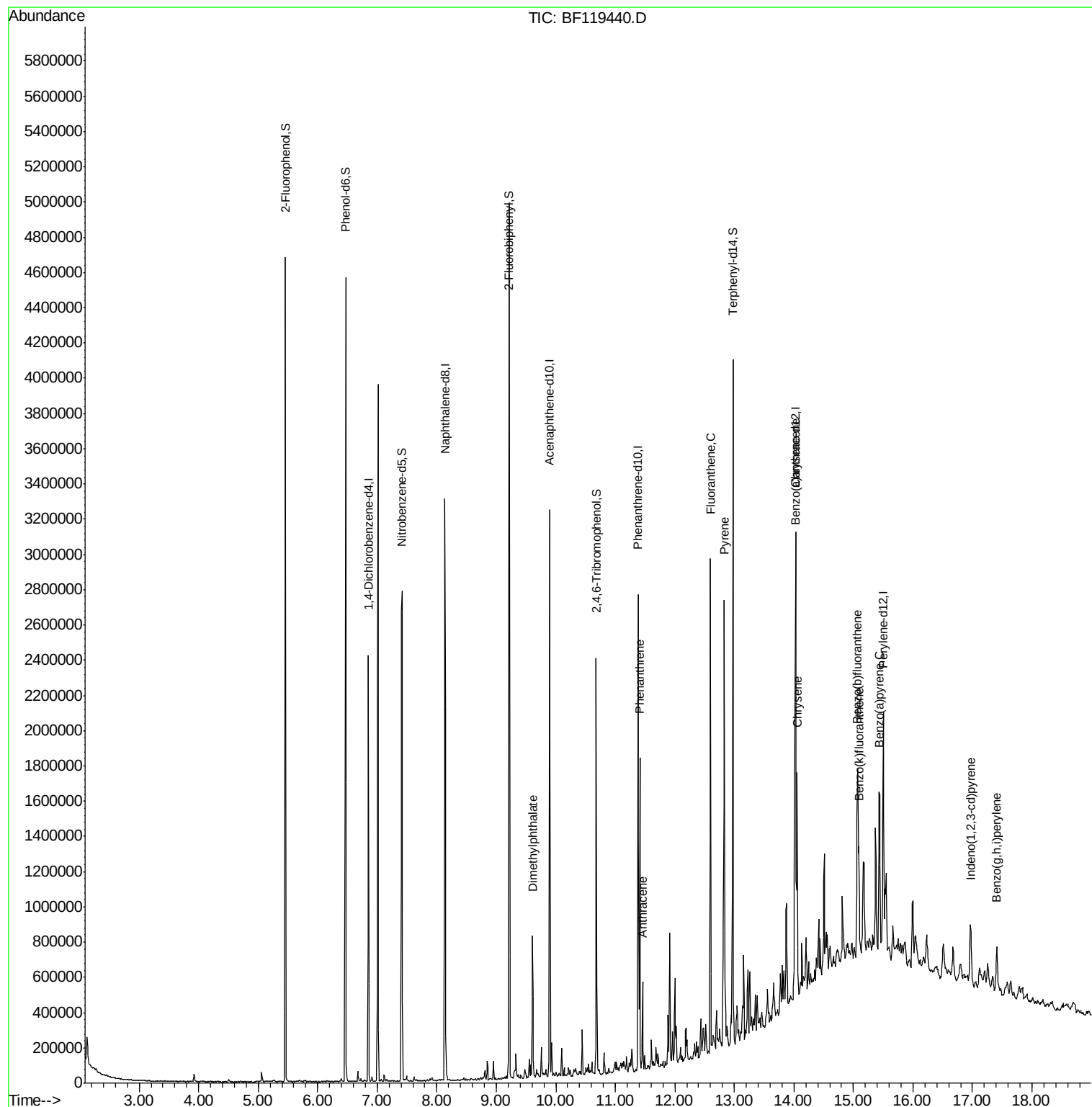
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031820\
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ALS Vial : 25 Sample Multiplier: 1

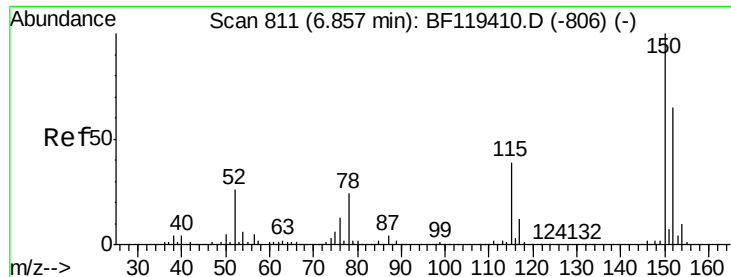
Instrument :
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OR-02-031620

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

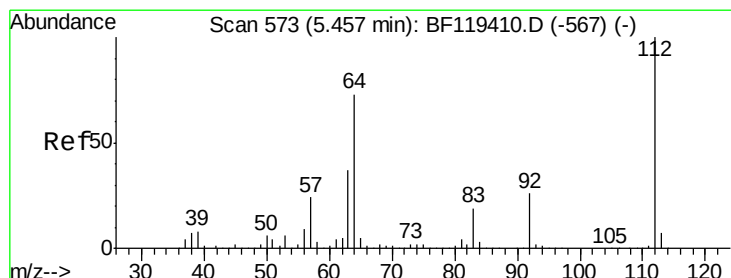
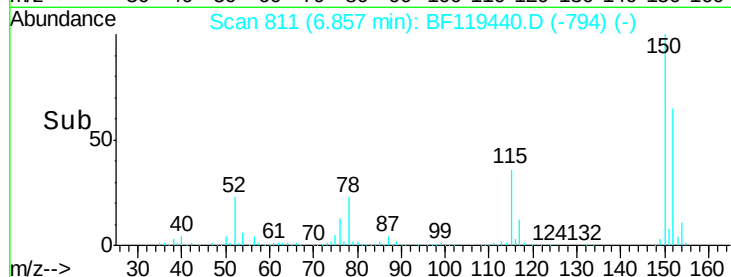
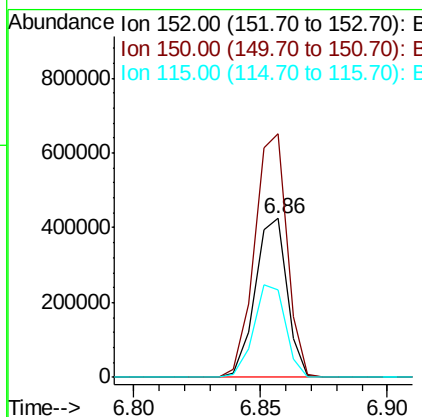
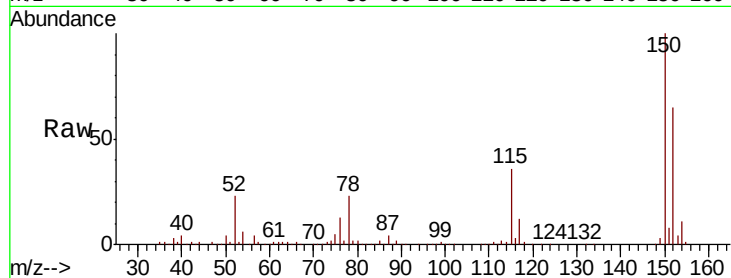
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

Instrument :
BNA_F
ClientSampleId :
OR-02-031620

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	123.9	185.9
115	55.5	47.8	71.6

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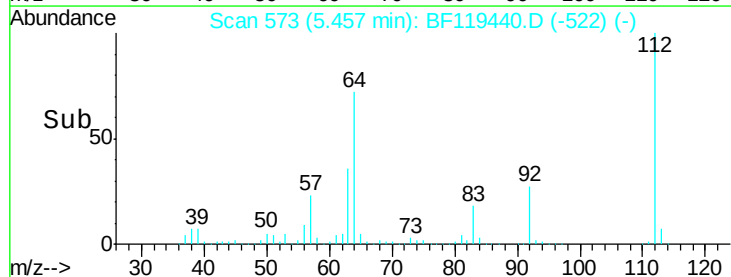
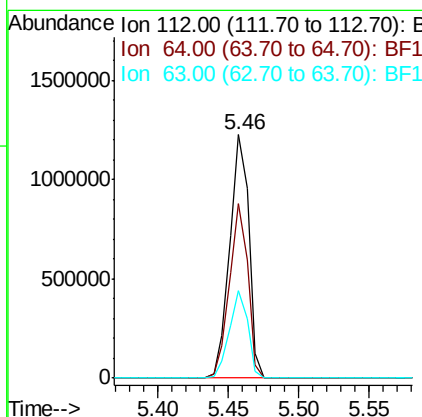
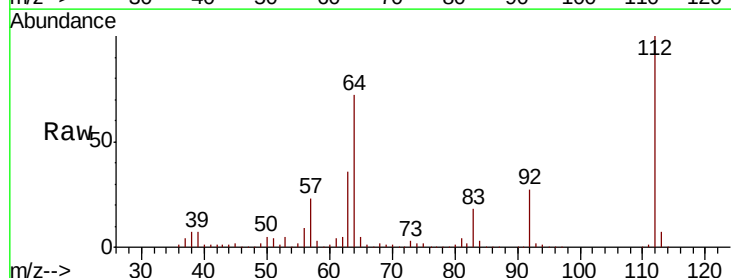
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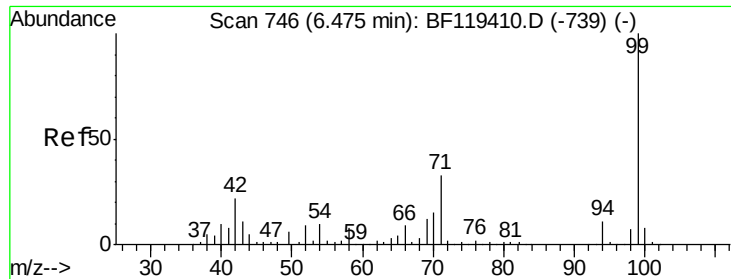


#5

2-Fluorophenol
Concen: 49.070 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.00 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.7	58.1	87.1
63	35.7	29.7	44.5





#7

Phenol-d6

Concen: 47.365 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF119440.D

Acq: 19 Mar 2020 3:13

Instrument :

BNA_F

ClientSampleId :

OR-02-031620

Tot Ion: 99 Resp: 1422992

Ion Ratio Lower Upper

99 100

42 21.7 17.8 26.6

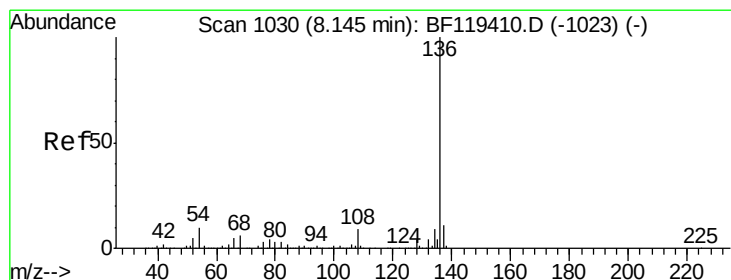
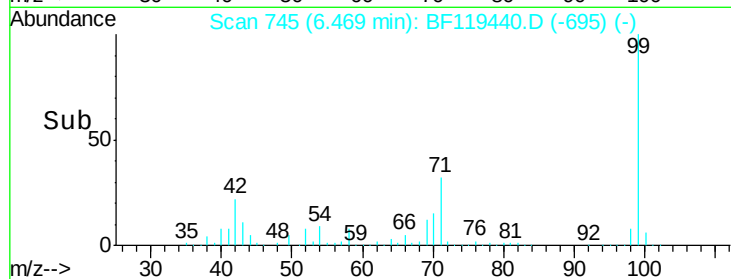
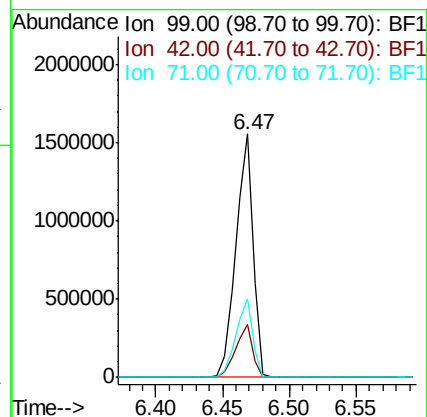
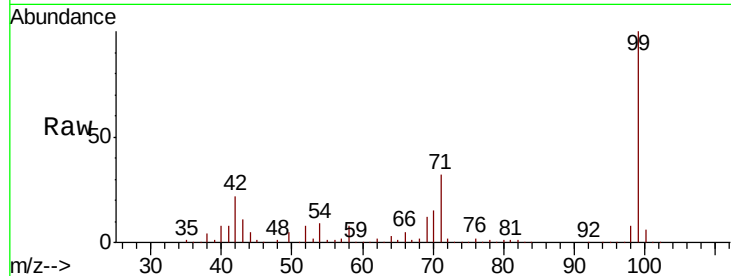
71 32.3 26.0 39.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF119440.D

Acq: 19 Mar 2020 3:13

Tgt Ion: 136 Resp: 1336479

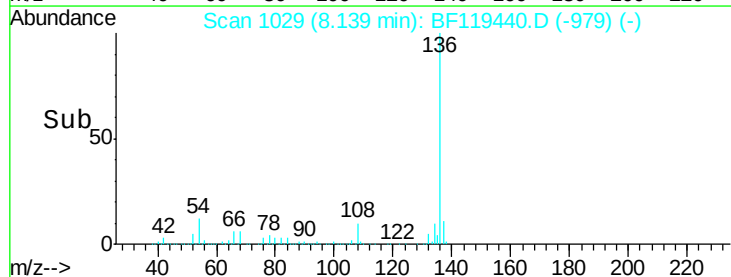
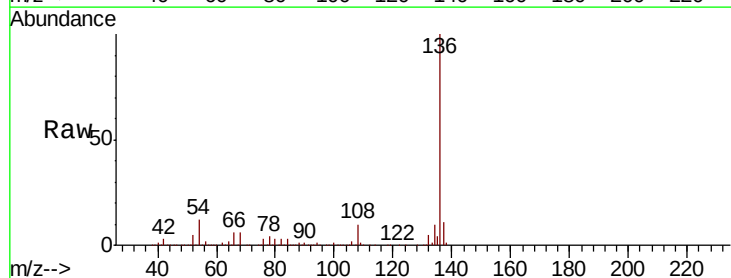
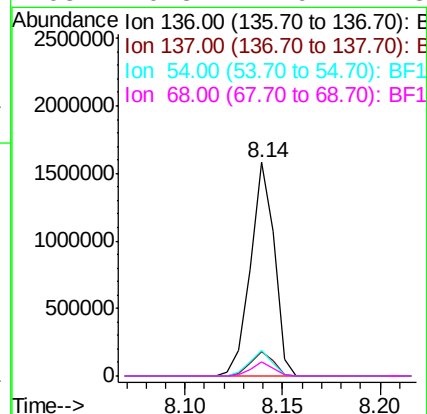
Ion Ratio Lower Upper

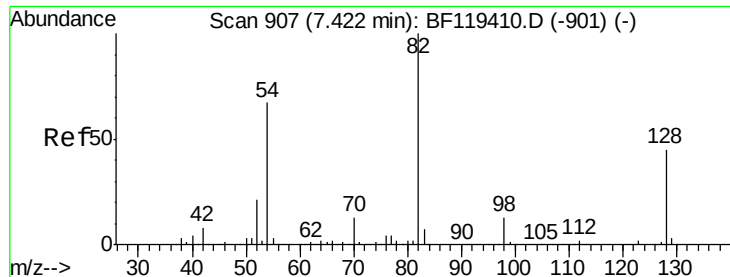
136 100

137 11.4 8.4 12.6

54 12.1 8.3 12.5

68 6.3 4.9 7.3





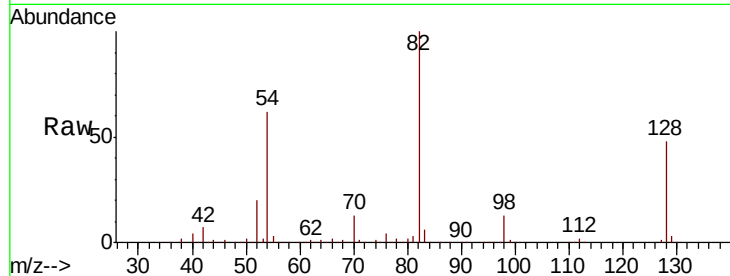
#23
Nitrobenzene-d5
Concen: 34.301 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

Instrument :
BNA_F
ClientSampleId :
OR-02-031620

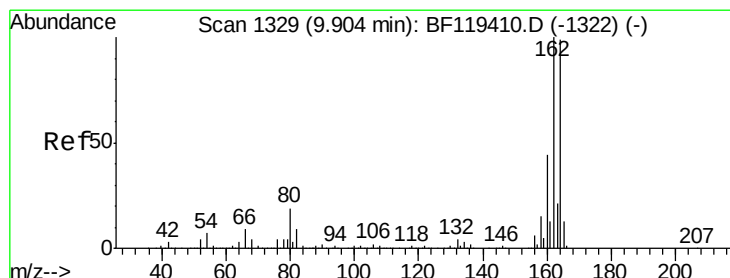
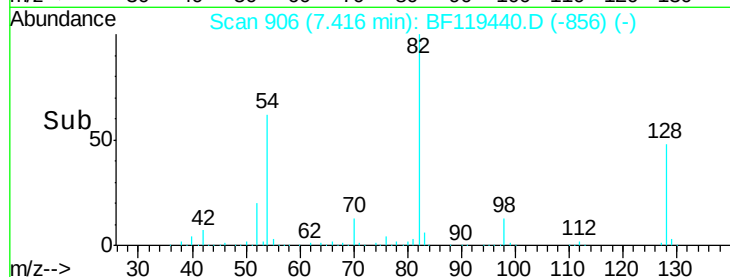
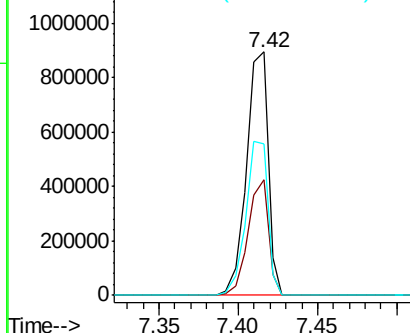
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.6	35.8	53.8
54	62.5	53.4	80.0

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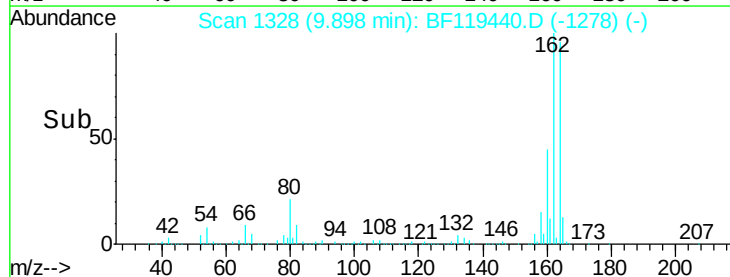
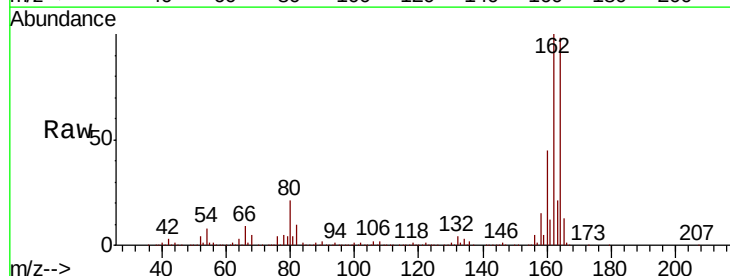
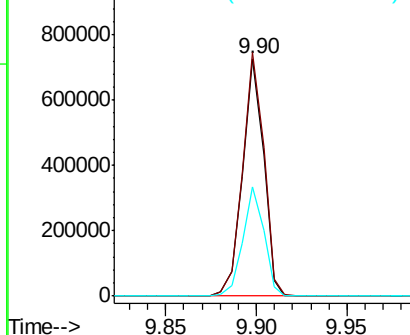
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

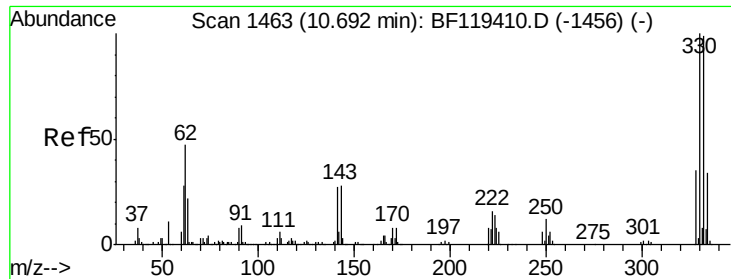


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	80.7	121.1
160	45.9	35.5	53.3

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: 43.648 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF119440.D

Acq: 19 Mar 2020 3:13

Instrument :

BNA_F

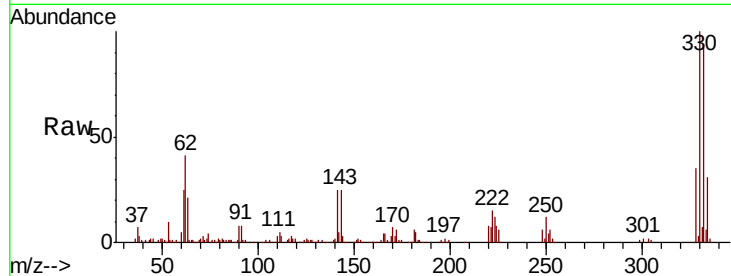
ClientSampleId :

OR-02-031620

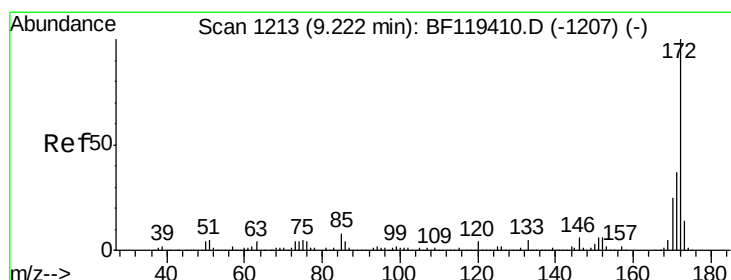
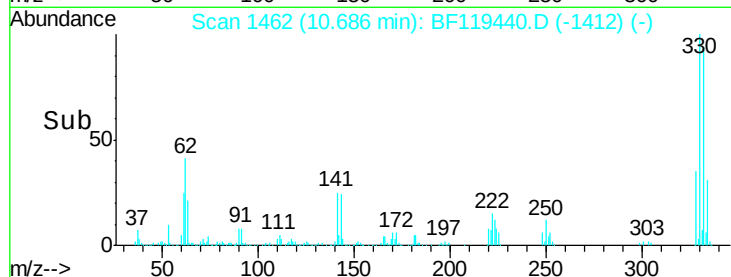
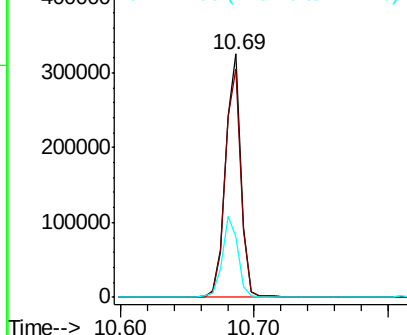
Tot Ion:	330	Resp:	264943
Ion Ratio	Lower	Upper	
330	100		
332	96.3	77.6	116.4
141	33.4	26.6	40.0

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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: 38.980 ng

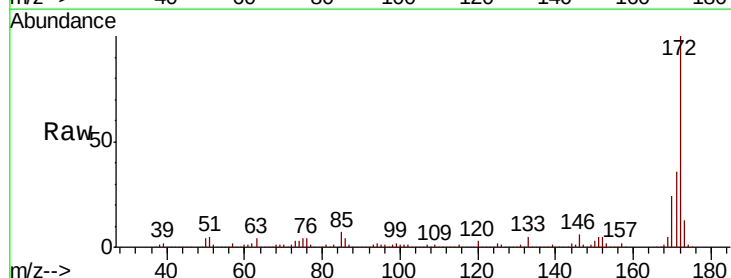
RT: 9.22 min Scan# 1212

Delta R.T. -0.01 min

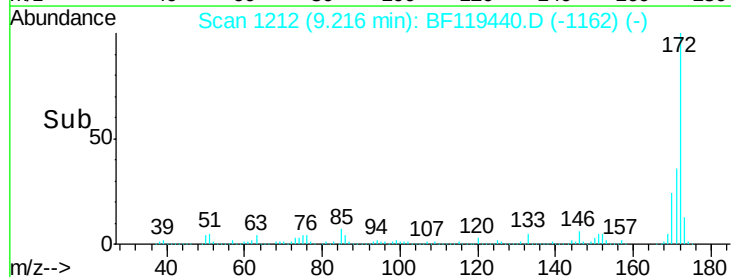
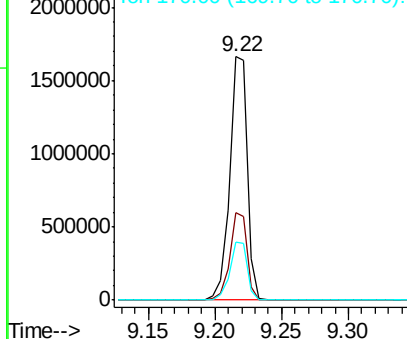
Lab File: BF119440.D

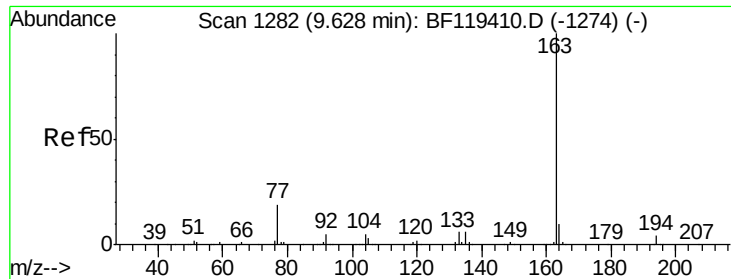
Acq: 19 Mar 2020 3:13

Tgt Ion:	172	Resp:	1548115
Ion Ratio	Lower	Upper	
172	100		
171	35.7	29.9	44.9
170	24.0	20.1	30.1



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





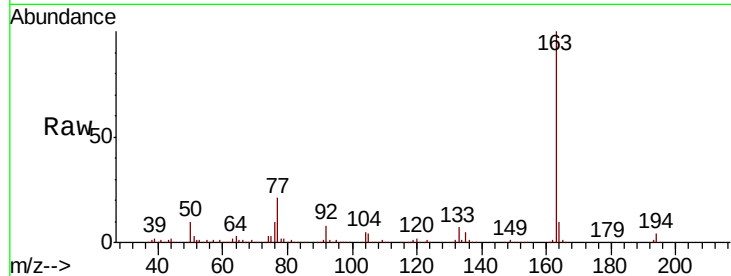
#50
Dimethylphthalate
Concen: 6.350 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

Instrument :
BNA_F
ClientSampleId :
OR-02-031620

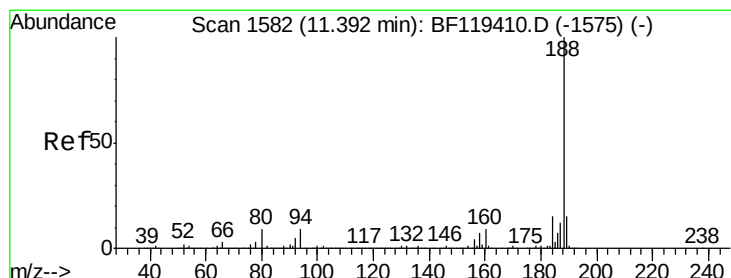
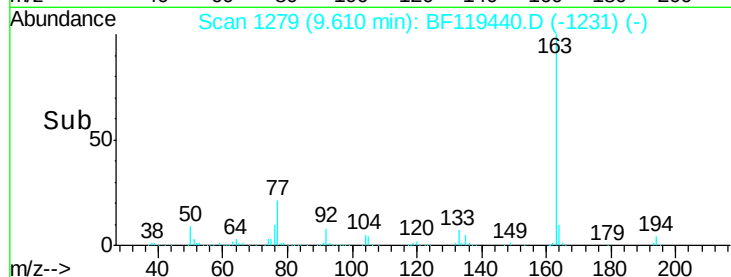
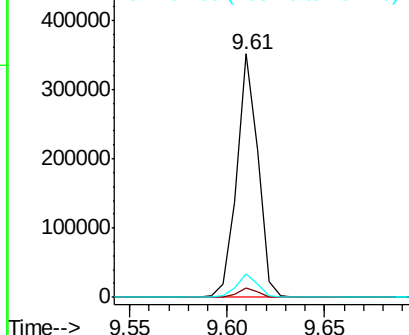
Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		265371		
194	4.1		3.2	4.8	
164	9.6		8.1	12.1	

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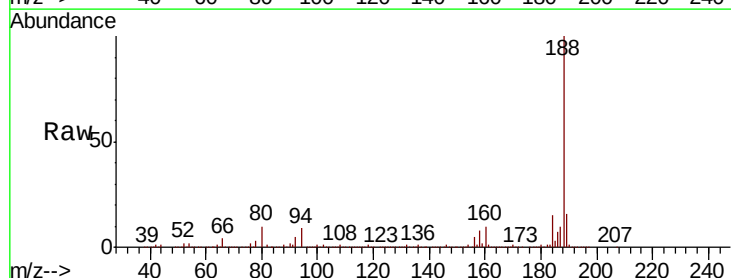


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

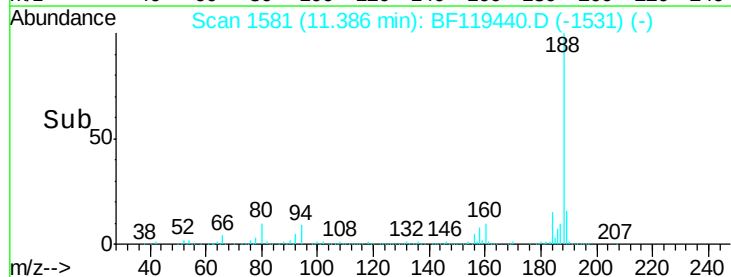
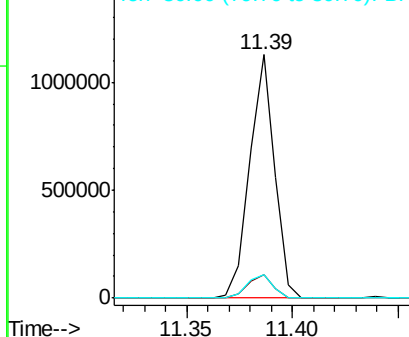


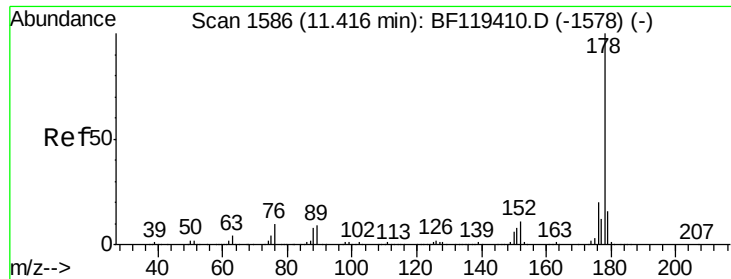
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		924202		
94	9.5		7.1	10.7	
80	9.9		7.5	11.3	



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: 12.363 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF119440.D

Acq: 19 Mar 2020 3:13

Instrument :

BNA_F

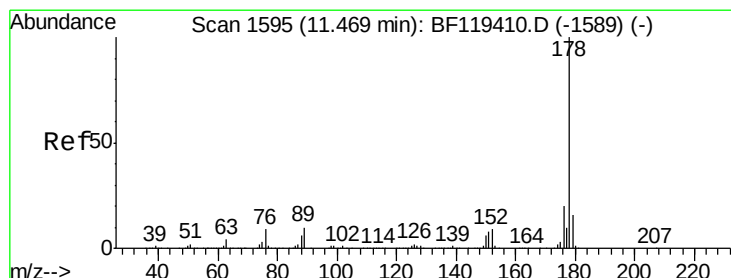
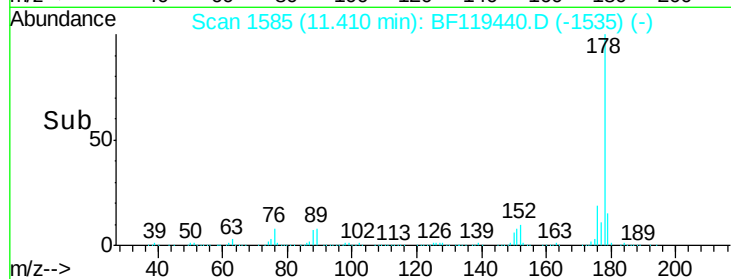
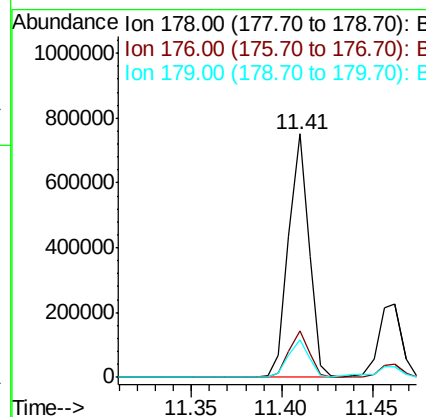
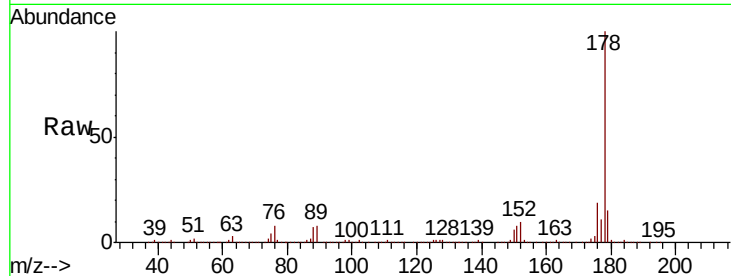
ClientSampleId :

OR-02-031620

Tot Ion:	178	Resp:	592451
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.2	24.4
179	15.3	12.9	19.3

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#72

Anthracene

Concen: 4.060 ng

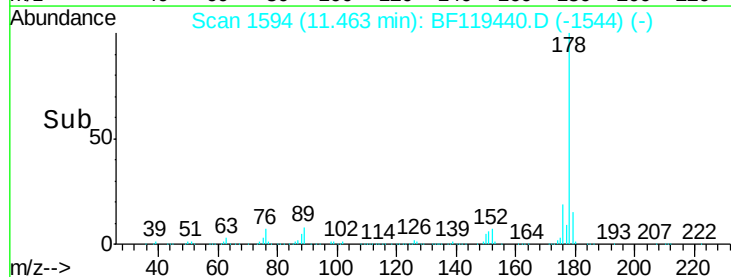
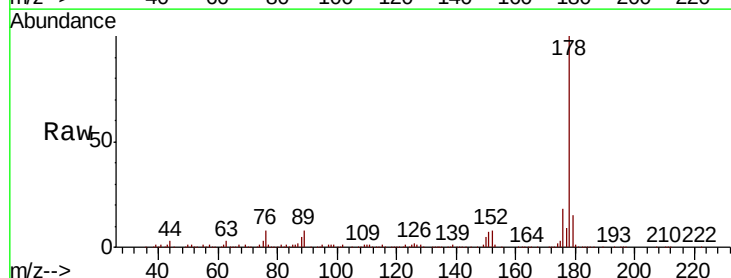
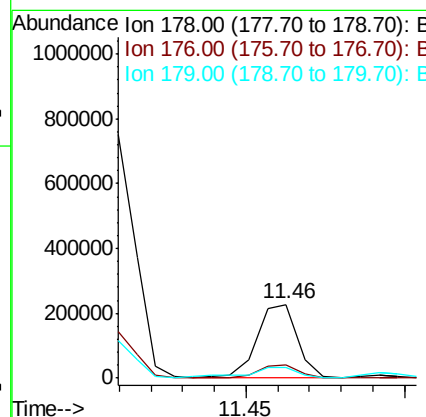
RT: 11.46 min Scan# 1594

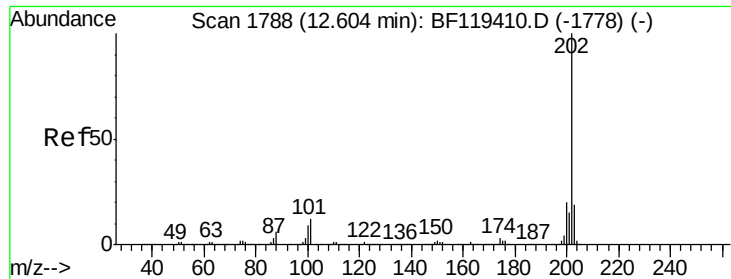
Delta R.T. -0.01 min

Lab File: BF119440.D

Acq: 19 Mar 2020 3:13

Tgt Ion:	178	Resp:	197764
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.6	23.4
179	15.2	13.1	19.7





#75

Fluoranthene

Concen: 21.758 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF119440.D

Acq: 19 Mar 2020 3:13

Instrument :

BNA_F

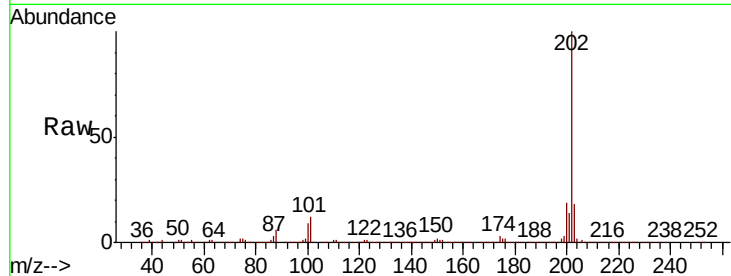
ClientSampleId :

OR-02-031620

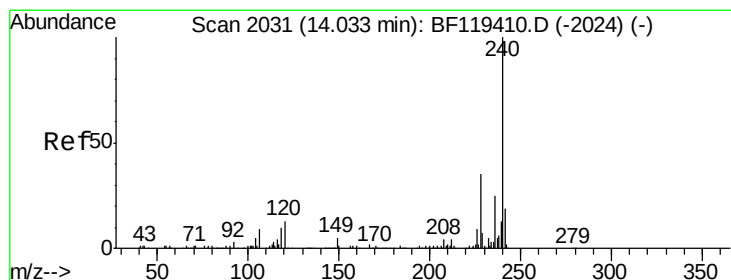
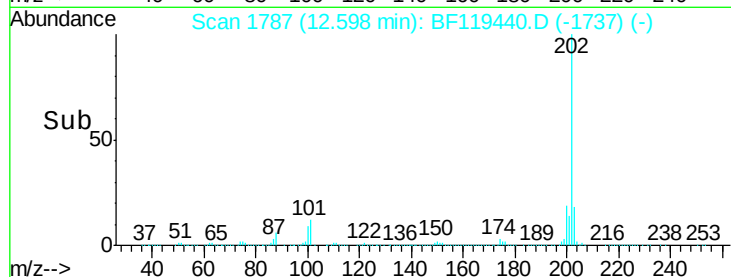
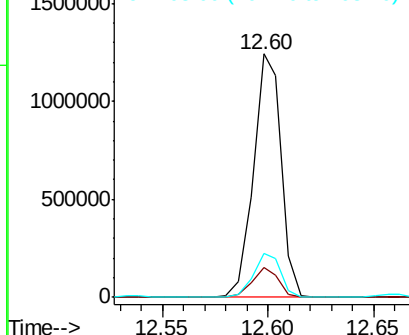
Tot Ion:	202	Resp:	1128462
Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	32.4
203	17.8	0.0	38.5

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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: 14.03 min Scan# 2030

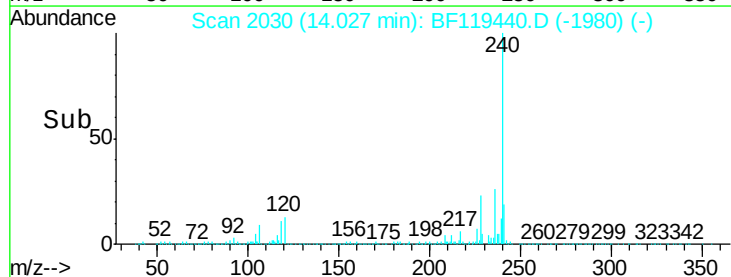
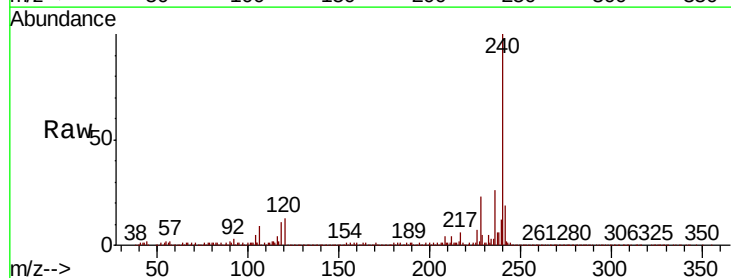
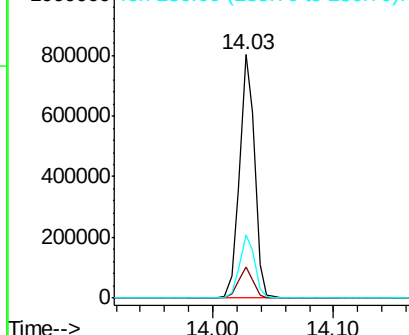
Delta R.T. -0.01 min

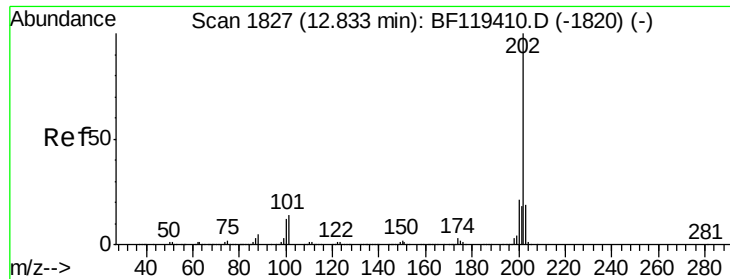
Lab File: BF119440.D

Acq: 19 Mar 2020 3:13

Tgt Ion:	240	Resp:	699518
Ion	Ratio	Lower	Upper
240	100		
120	12.8	10.2	15.4
236	25.8	20.4	30.6

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





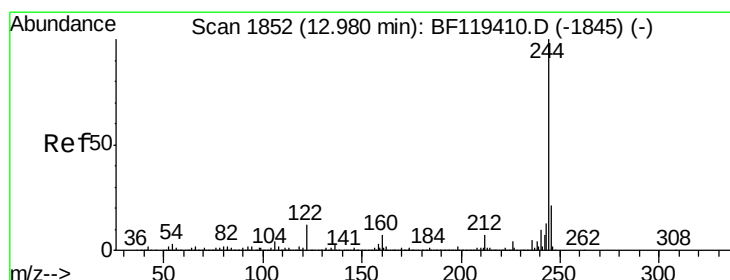
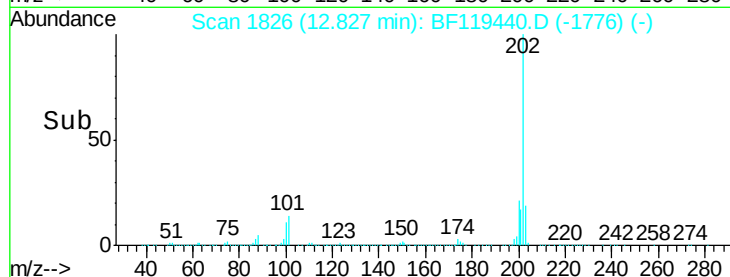
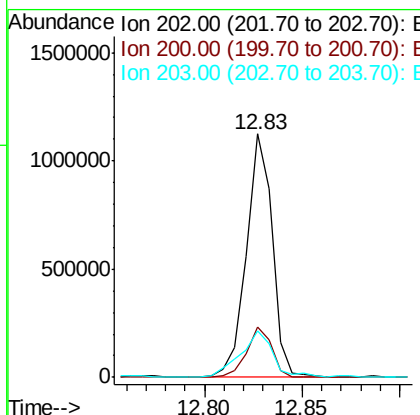
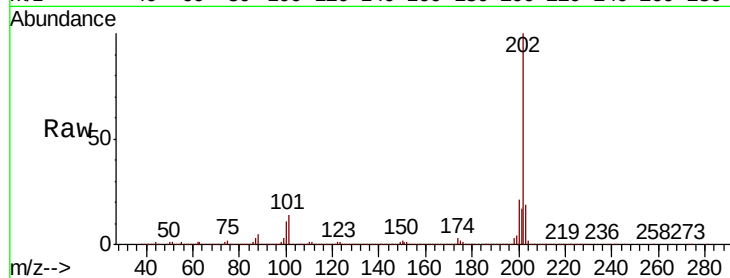
#78
Pvrene
Concen: 17.967 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

Instrument :
BNA_F
ClientSampleId :
OR-02-031620

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.8	25.2
203	19.0	14.8	22.2

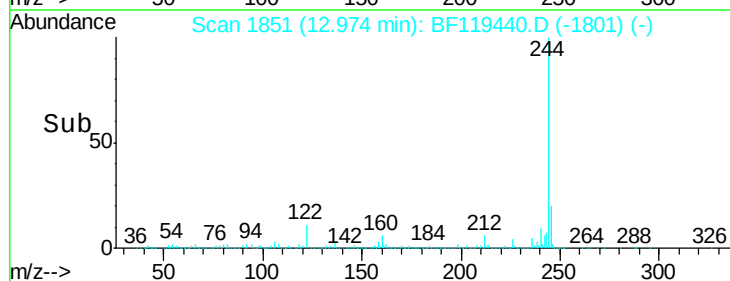
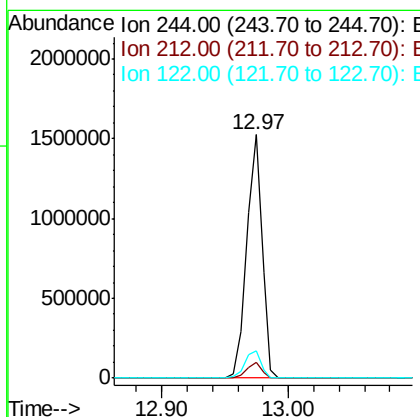
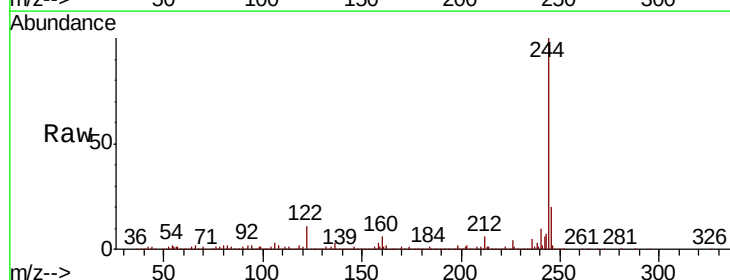
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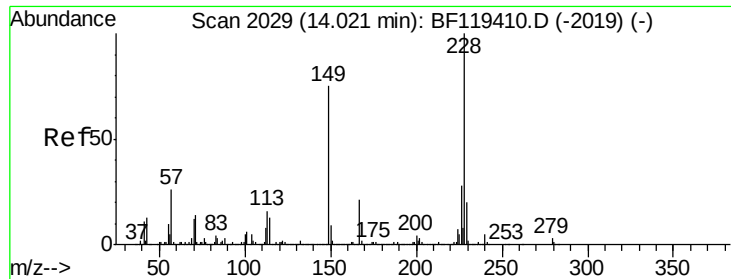
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#79
Terphenyl-d14
Concen: 35.717 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.7	8.5
122	11.1	9.8	14.8





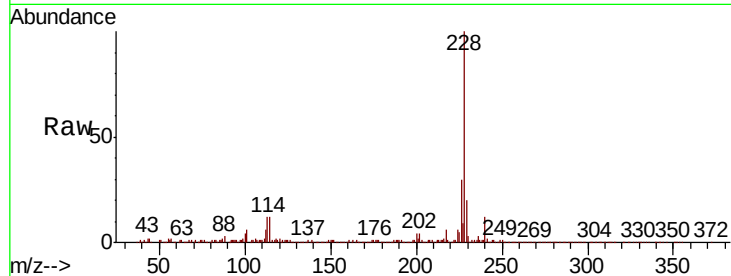
#81
Benzo(a)anthracene
Concen: 13.336 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

Instrument :
BNA_F
ClientSampleId :
OR-02-031620

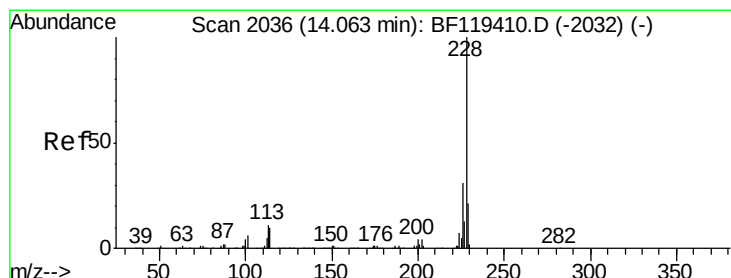
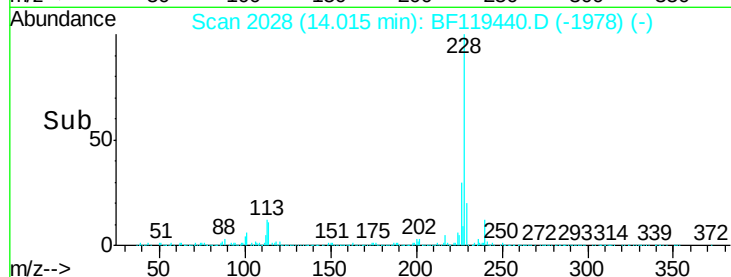
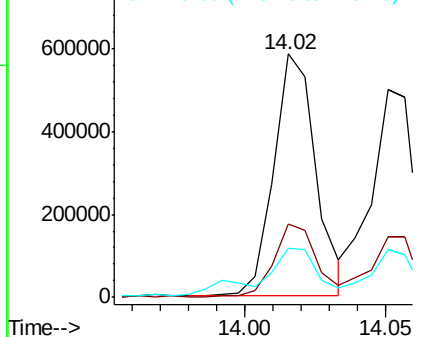
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.3	33.5
229	20.3	16.3	24.5

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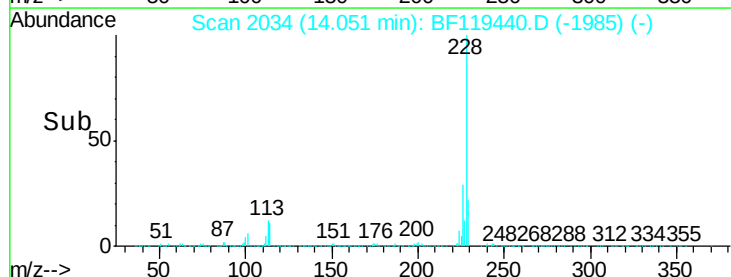
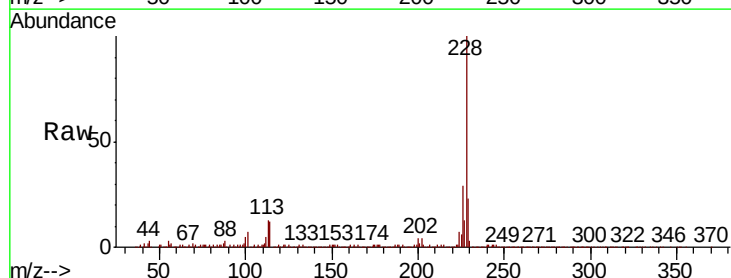
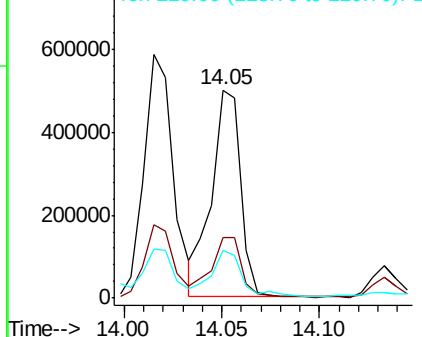
Abundance Ion 228.00 (227.70 to 228.70): E
800000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

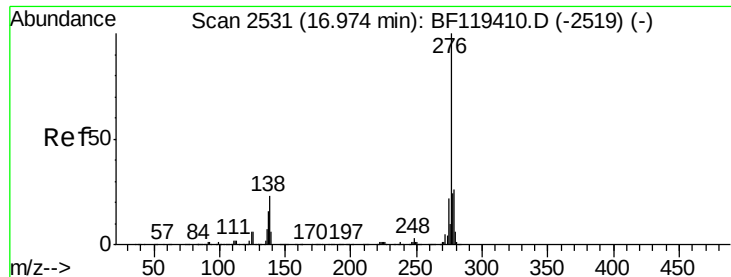


#83
Chrysene
Concen: 11.091 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.8	37.2
229	23.0	16.6	25.0

Abundance Ion 228.00 (227.70 to 228.70): E
800000 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: 5.425 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.01 min

Lab File: BF119440.D

Acq: 19 Mar 2020 3:13

Instrument :

BNA_F

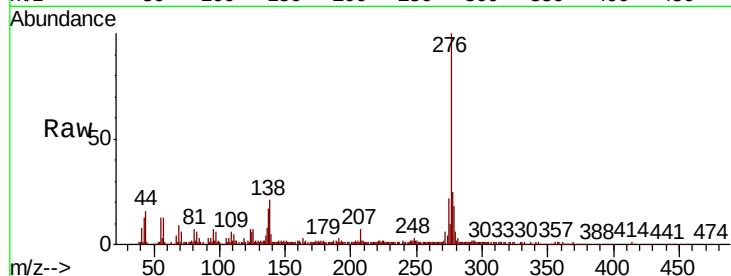
ClientSampleId :

OR-02-031620

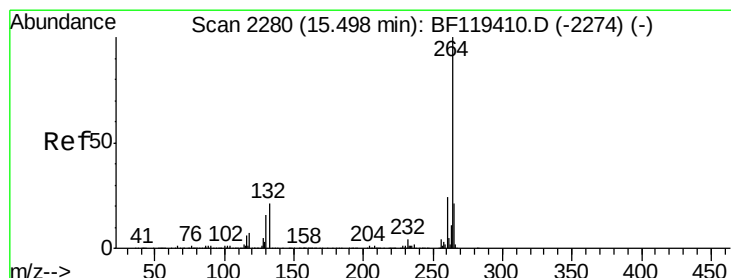
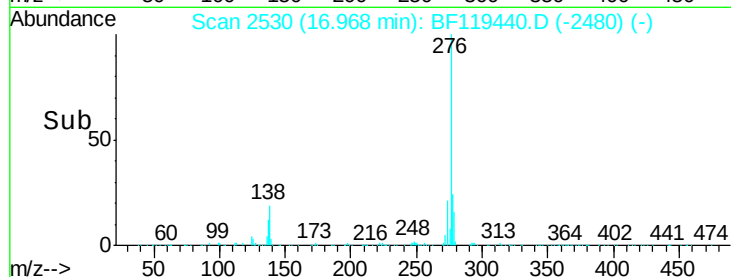
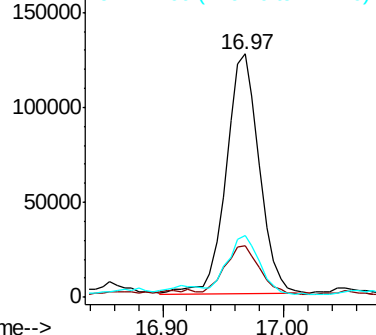
Tot Ion:	276	Resp:	239880
Ion Ratio	Lower	Upper	
276	100		
138	21.4	21.3	31.9
277	24.0	20.2	30.2

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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

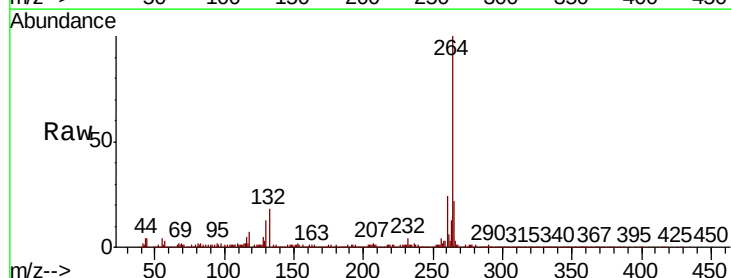
RT: 15.50 min Scan# 2281

Delta R.T. 0.01 min

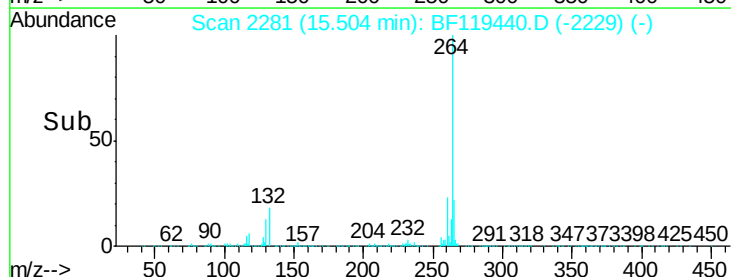
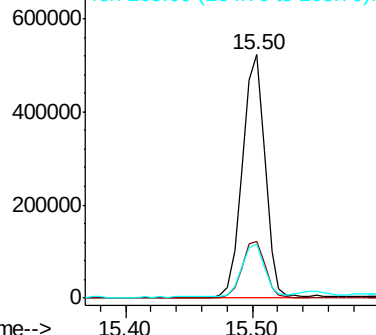
Lab File: BF119440.D

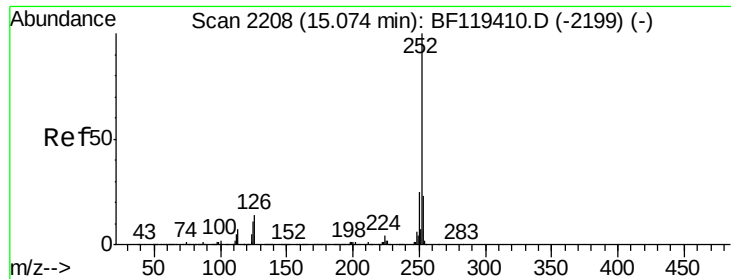
Acq: 19 Mar 2020 3:13

Tgt Ion:	264	Resp:	647222
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.2	28.8
265	22.2	16.9	25.3



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





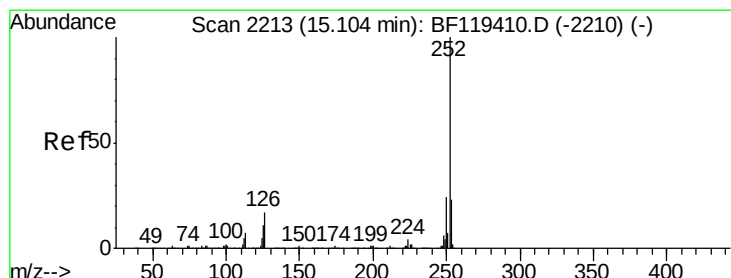
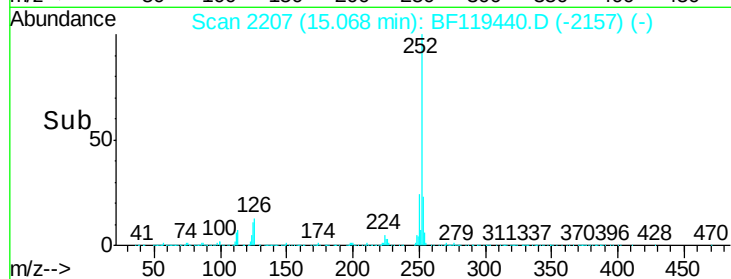
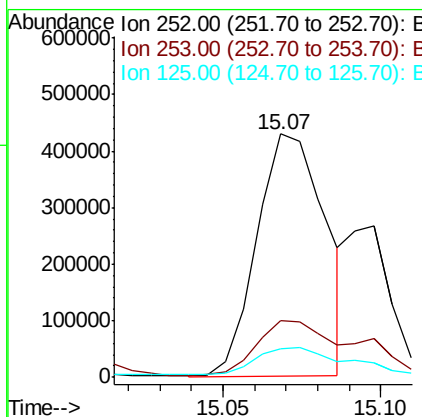
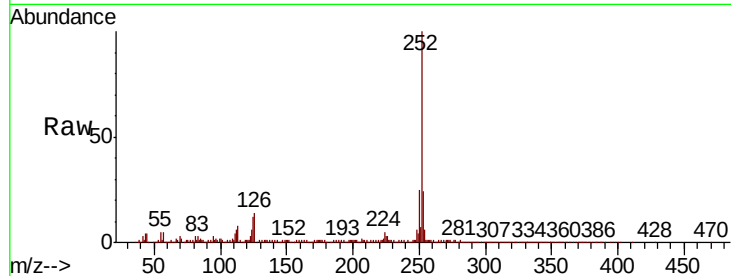
#88
Benzo(b)fluoranthene
Concen: 14.961 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

Instrument :
BNA_F
ClientSampleId :
OR-02-031620

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.4
125	11.9	8.8	13.2

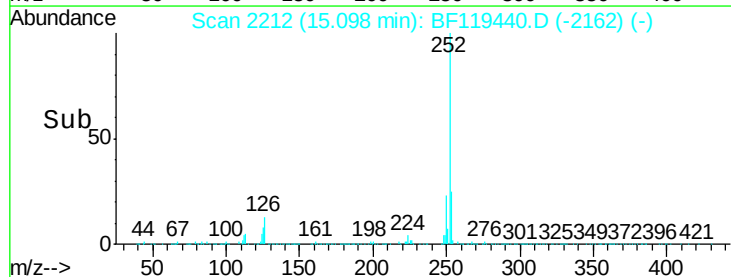
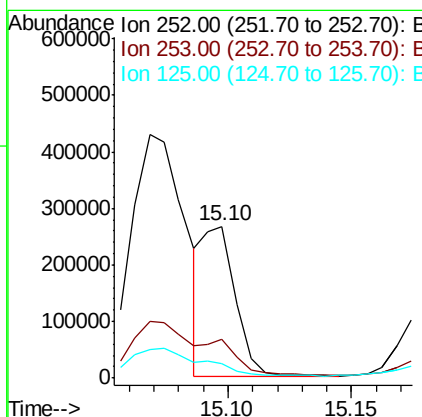
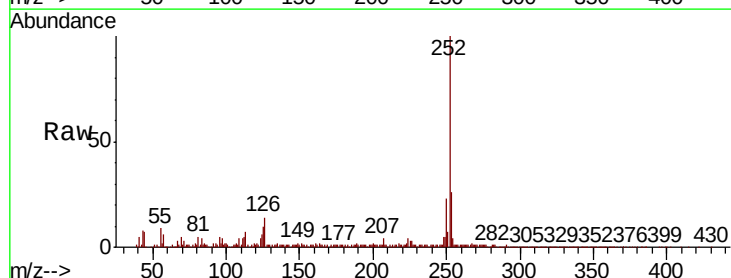
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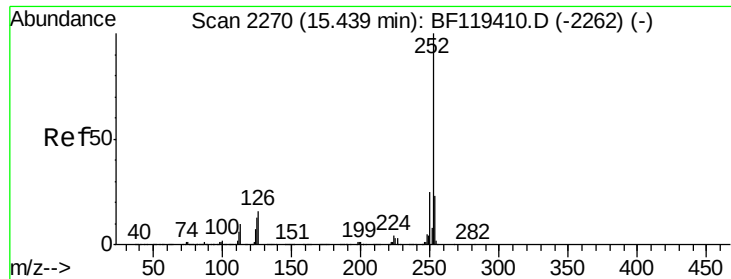
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#89
Benzo(k)fluoranthene
Concen: 6.062 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.2	27.4
125	9.6	9.0	13.4





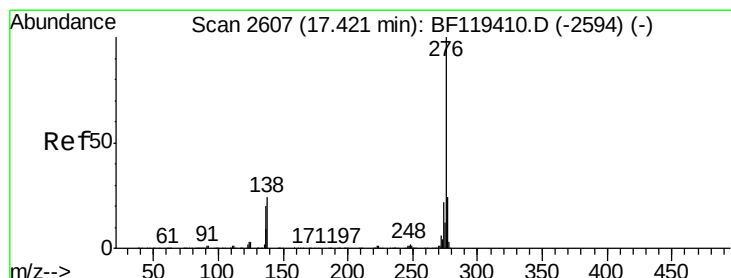
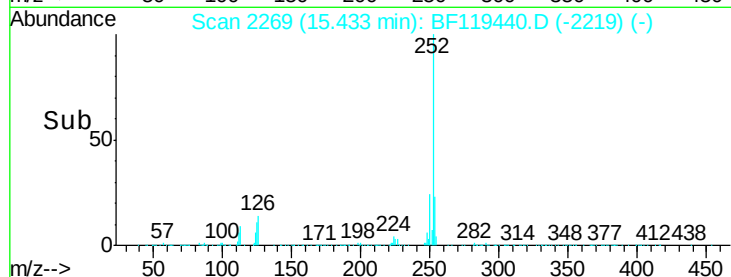
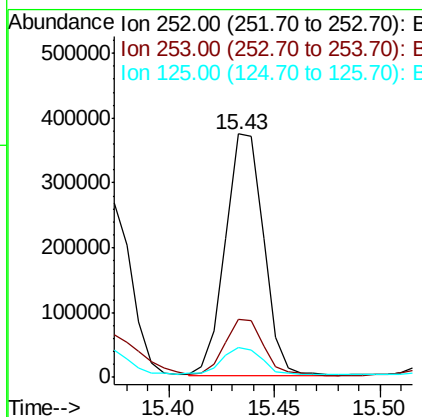
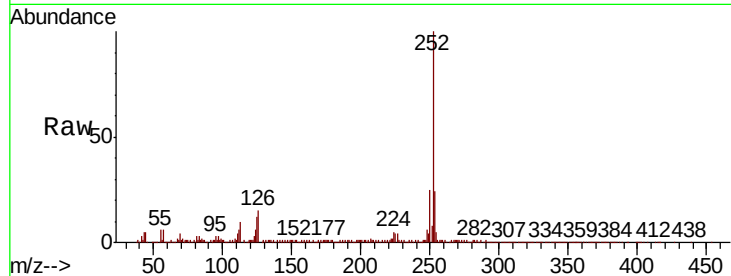
#90
Benzo(a)pyrene
Concen: 11.883 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

Instrument :
BNA_F
ClientSampleId :
OR-02-031620

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.4
125	12.4	10.2	15.2

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#92
Benzo(g,h,i)perylene
Concen: 6.325 ng
RT: 17.41 min Scan# 2605
Delta R.T. -0.01 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	23.8	19.1	28.7

