

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
 Data File : BF119611.D
 Acq On : 28 Mar 2020 12:42
 Operator : CG/JU
 Sample : L1753-09 5X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-032520

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Quant Time: Mar 30 00:15:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 07:52:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	272422	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1034184	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	477962	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	735496	20.00	ng	0.00
76) Chrysene-d12	14.00	240	421204	20.00	ng	-0.01
87) Perylene-d12	15.46	264	536483	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	416288	24.33	ng	0.00
7) Phenol-d6	6.45	99	580678	26.56	ng	-0.02
23) Nitrobenzene-d5	7.39	82	343753	18.06	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	105965	21.49	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	694350	21.52	ng	-0.01
79) Terphenyl-d14	12.94	244	495036	23.03	ng	-0.02
Target Compounds						
71) Phenanthrene	11.39	178	85379	2.239	ng	98
78) Pyrene	12.80	202	71128	2.058	ng	93
88) Benzo(b)fluoranthene	15.04	252	87539m	2.443	ng	
90) Benzo(a)pyrene	15.40	252	74973	2.302	ng	# 94

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

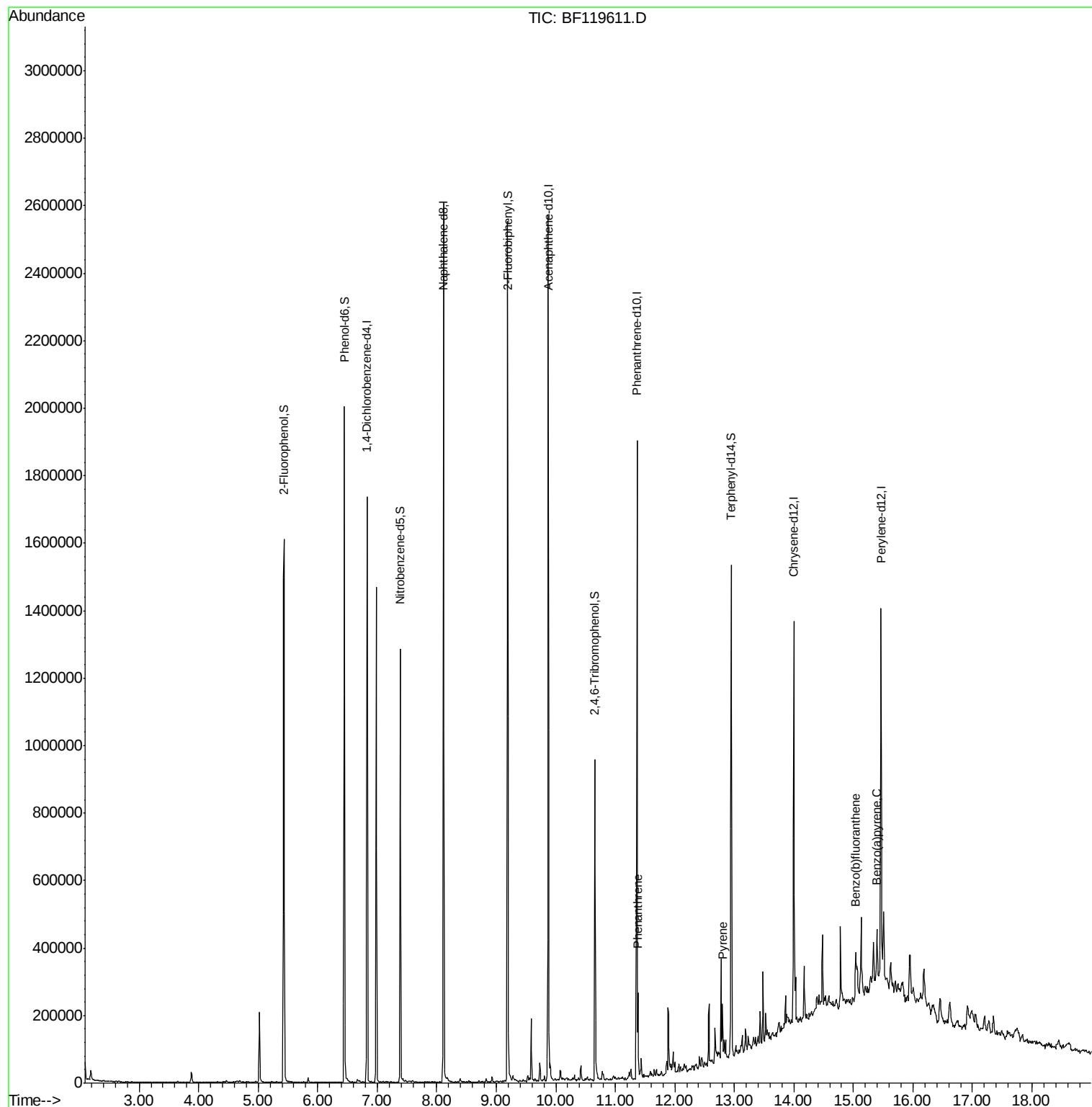
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119611.D
Acq On : 28 Mar 2020 12:42
Operator : CG/JU
Sample : L1753-09 5X
Misc :
ALS Vial : 41 Sample Multiplier: 1

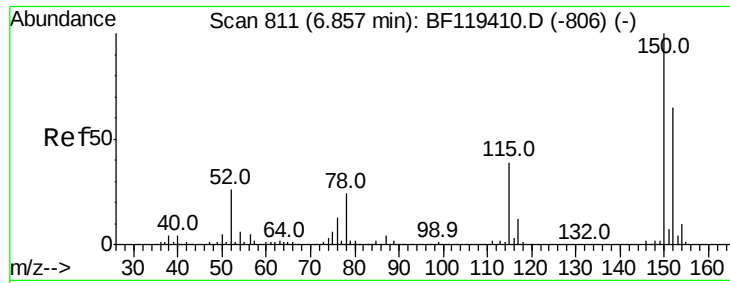
Instrument :
BNA_F
ClientSampleId :
CL-02-032520

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Quant Time: Mar 30 00:15:00 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 27 07:52:09 2020
Response via : Initial Calibration





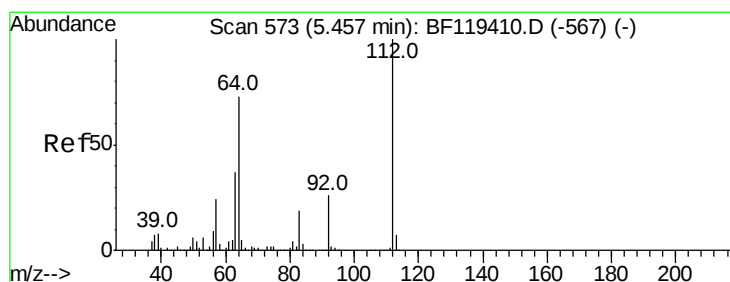
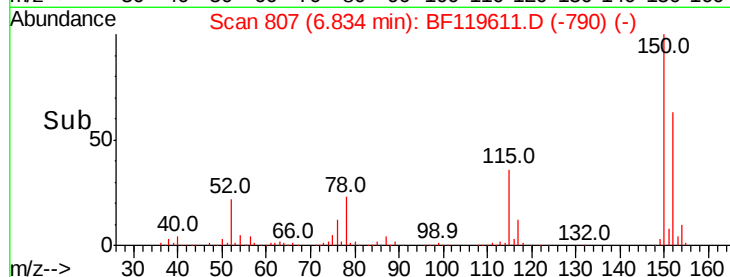
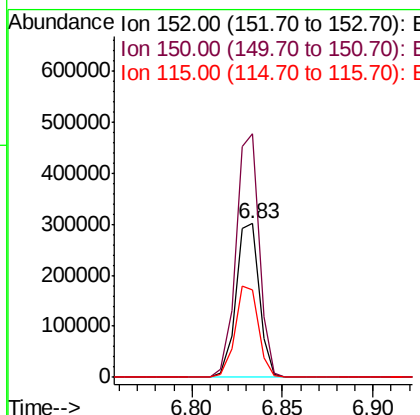
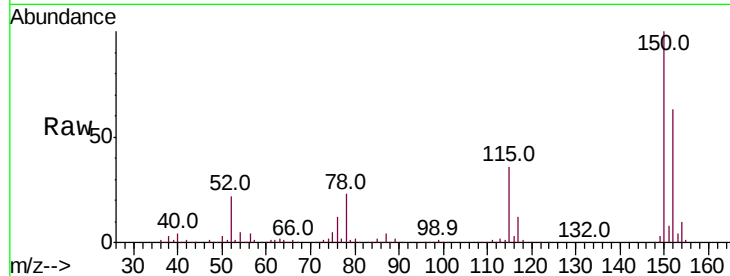
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF119611.D
 Acq: 28 Mar 2020 12:42

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-032520

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.5	186.7
115	56.8	49.6	74.4

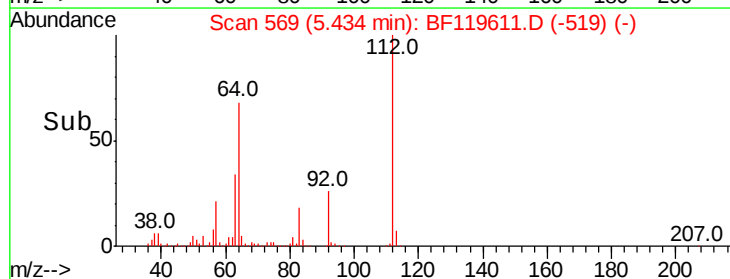
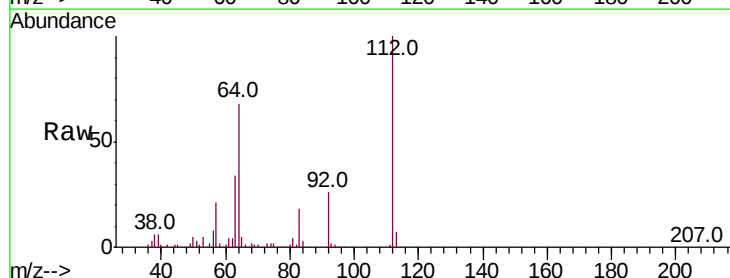
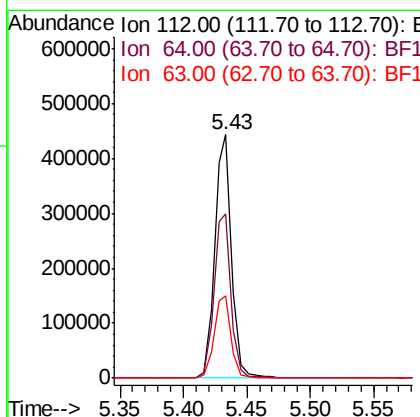
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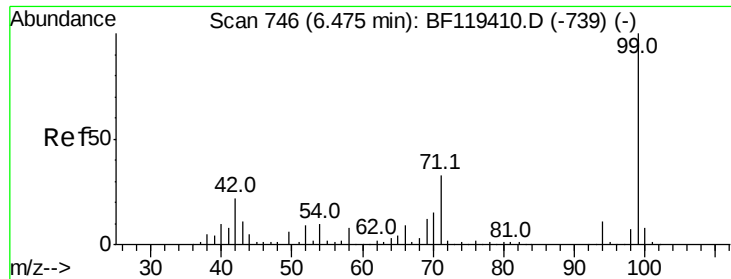
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#5
 2-Fluorophenol
 Concen: 24.326 ng
 RT: 5.43 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: BF119611.D
 Acq: 28 Mar 2020 12:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.6	56.7	85.1
63	34.0	29.5	44.3





#7

Phenol-d6

Concen: 26.563 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.02 min

Lab File: BF119611.D

Acq: 28 Mar 2020 12:42

Instrument :

BNA_F

ClientSampleId :

CL-02-032520

Tot Ion: 99 Resp: 580678

Ion Ratio Lower Upper

99 100

42 19.5 16.6 24.8

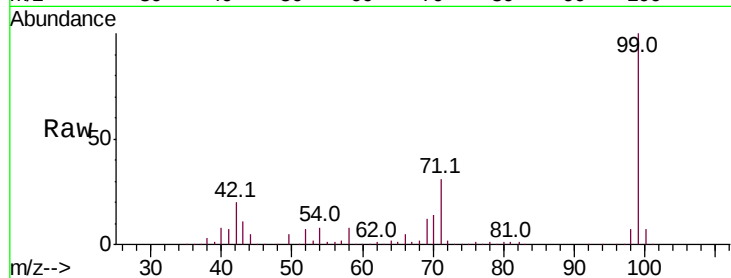
71 31.0 26.4 39.6

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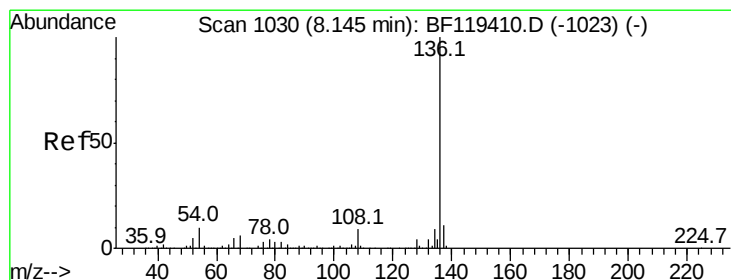
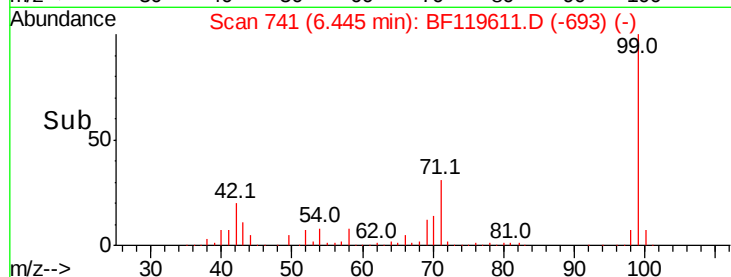
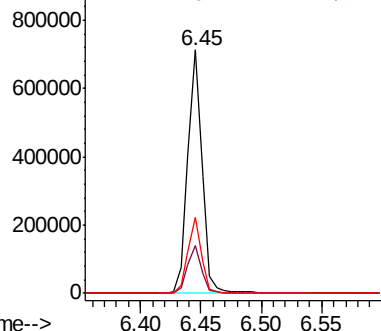
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF119611.D

Acq: 28 Mar 2020 12:42

Tgt Ion: 136 Resp: 1034184

Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 11.0 9.1 13.7

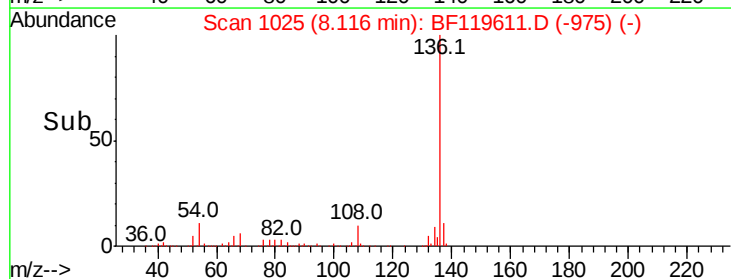
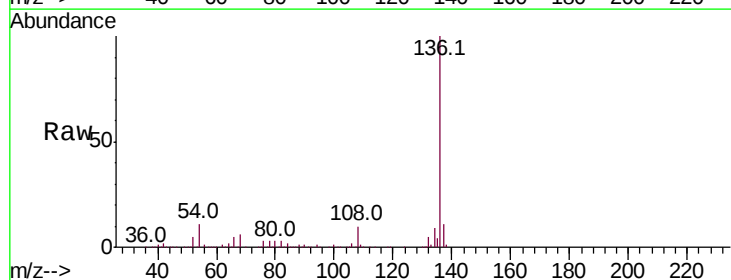
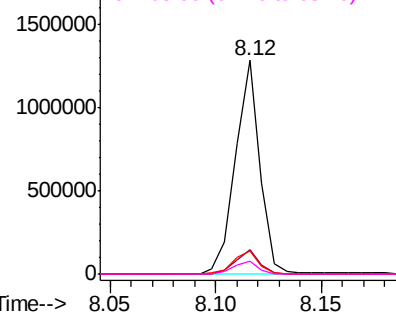
68 6.2 4.6 6.8

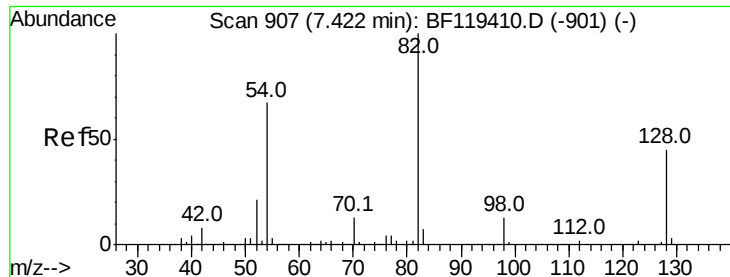
Abundance Ion 136.00 (135.70 to 136.70): E

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





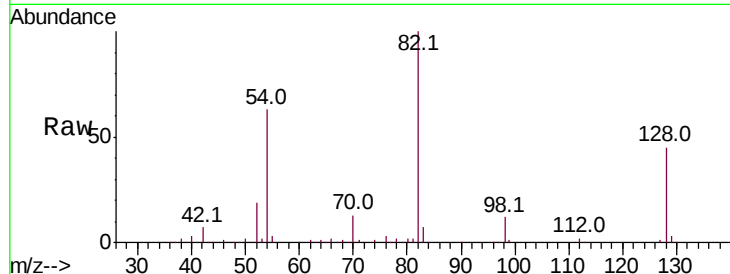
#23
 Nitrobenzene-d5
 Concen: 18.065 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.02 min
 Lab File: BF119611.D
 Acq: 28 Mar 2020 12:42

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-032520

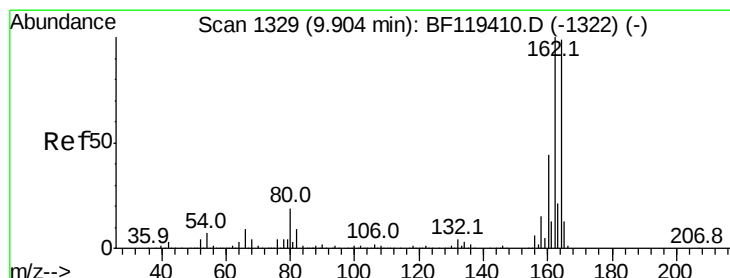
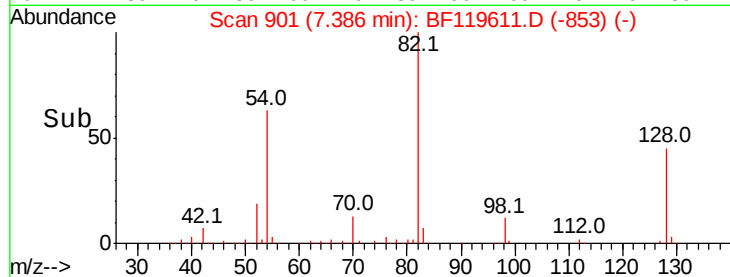
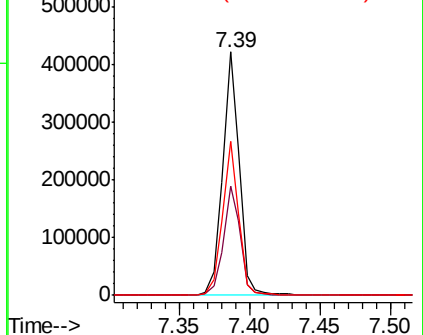
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.3	54.5
54	63.4	50.6	75.8

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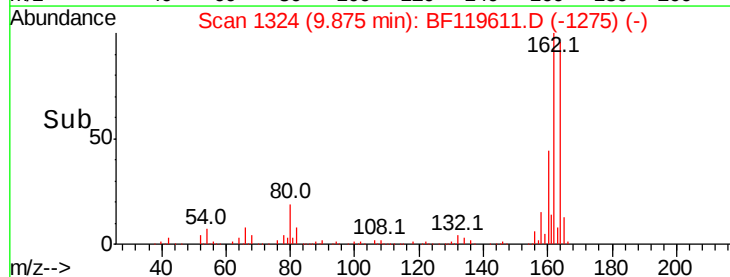
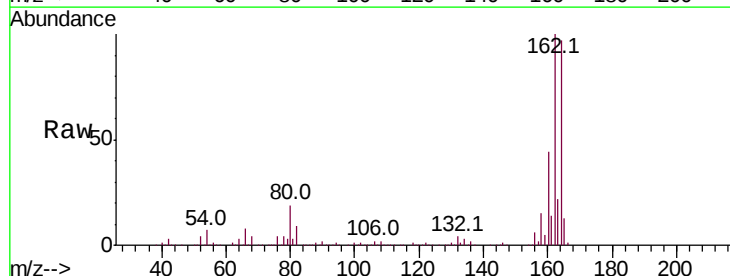
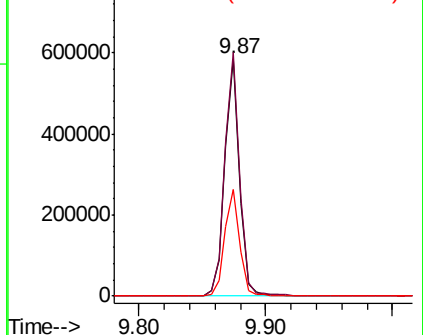
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

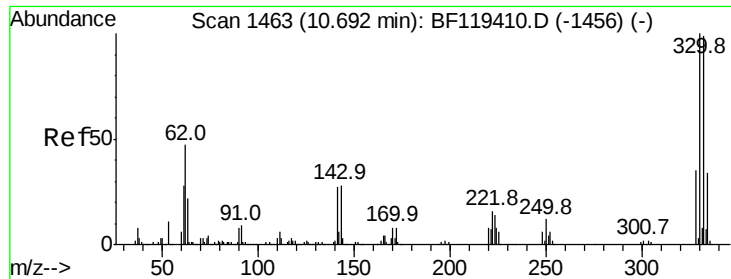


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF119611.D
 Acq: 28 Mar 2020 12:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	80.6	121.0
160	44.9	35.7	53.5

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: 21.490 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.02 min

Lab File: BF119611.D

Acq: 28 Mar 2020 12:42

Instrument :

BNA_F

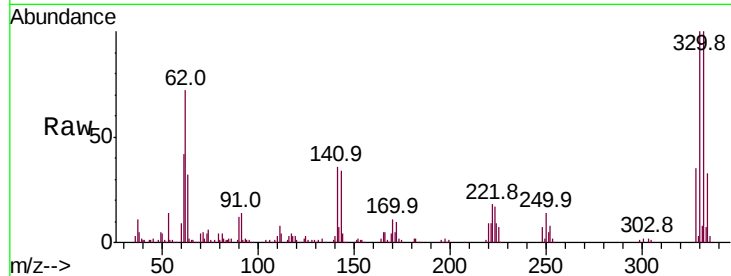
ClientSampleId :

CL-02-032520

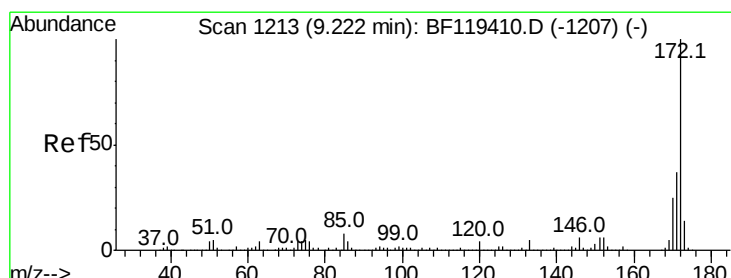
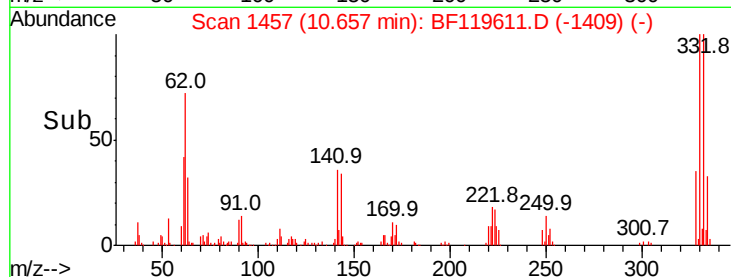
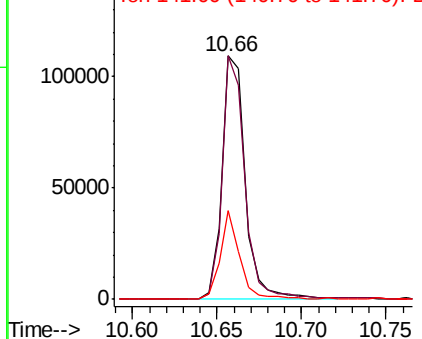
Tot Ion:	330	Resp:	105965
Ion Ratio	Lower	Upper	
330	100		
332	97.5	75.7	113.5
141	30.7	25.4	38.0

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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: 21.522 ng

RT: 9.19 min Scan# 1208

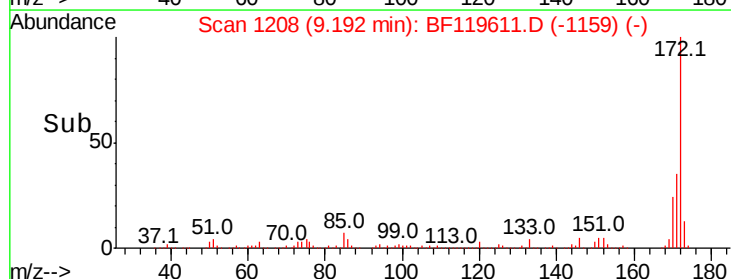
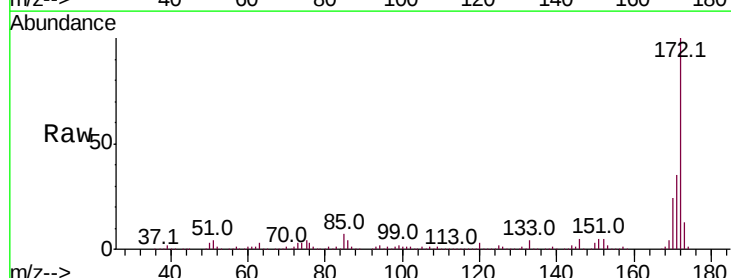
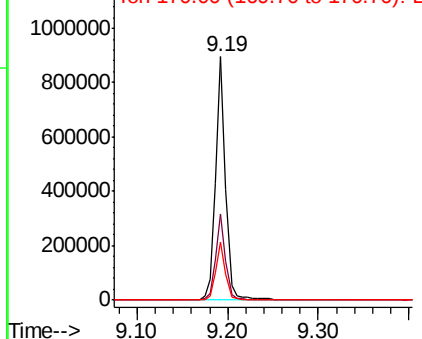
Delta R.T. -0.01 min

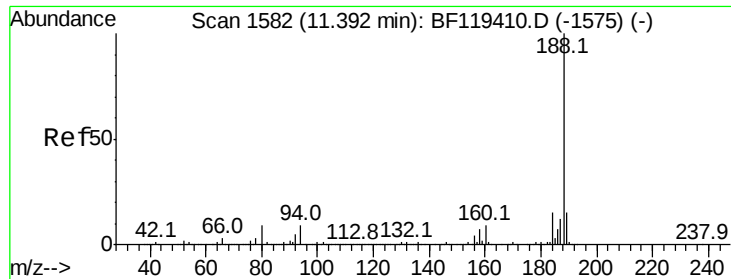
Lab File: BF119611.D

Acq: 28 Mar 2020 12:42

Tgt Ion:	172	Resp:	694350
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.6	44.4
170	24.0	20.2	30.2

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF119611.D

Acq: 28 Mar 2020 12:42

Instrument :

BNA_F

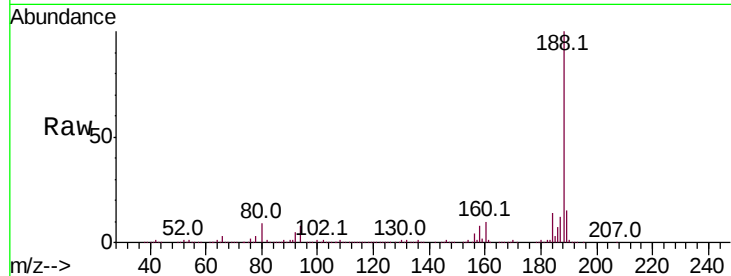
ClientSampleId :

CL-02-032520

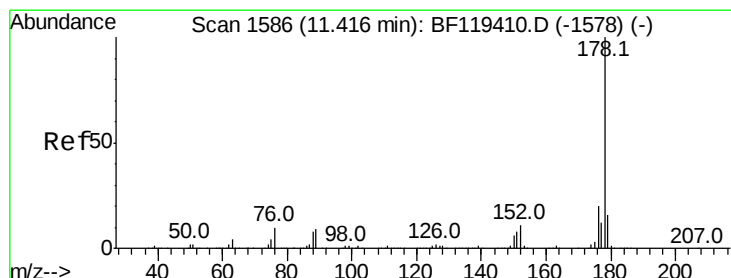
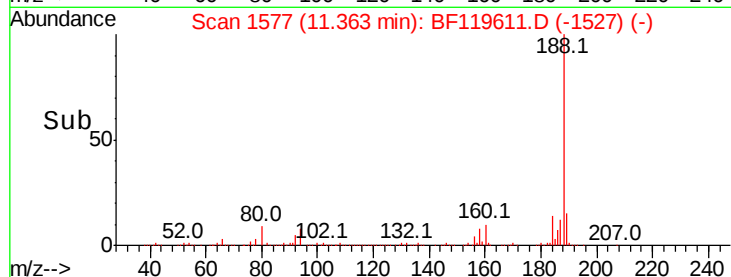
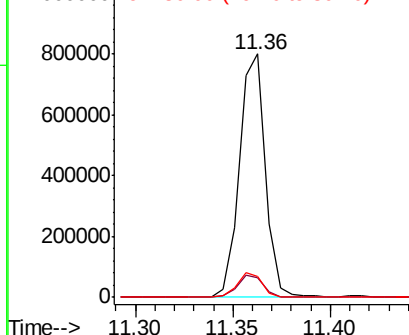
Tot Ion:	188	Resp:	735496
Ion Ratio	Lower	Upper	
188	100		
94	8.2	7.5	11.3
80	8.6	9.0	13.4#

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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: 2.239 ng

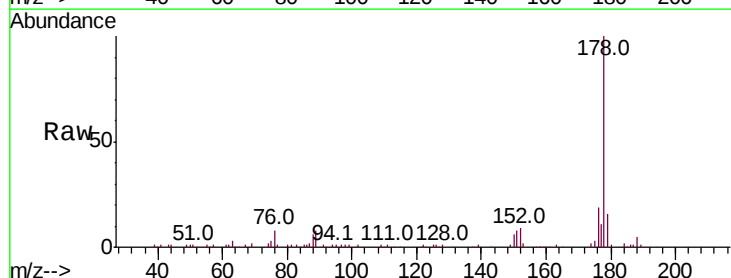
RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

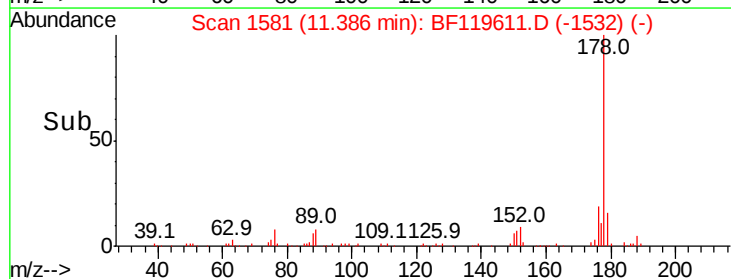
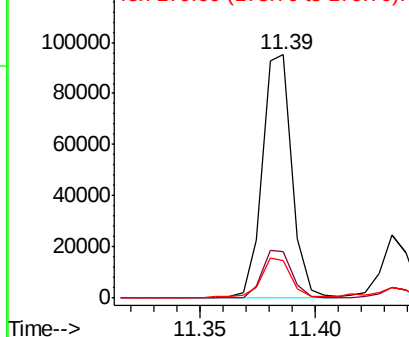
Lab File: BF119611.D

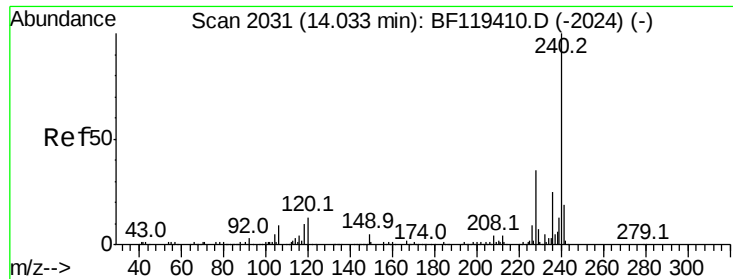
Acq: 28 Mar 2020 12:42

Tgt Ion:	178	Resp:	85379
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.2	24.4
179	15.6	13.2	19.8



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF119611.D

Acq: 28 Mar 2020 12:42

Instrument :

BNA_F

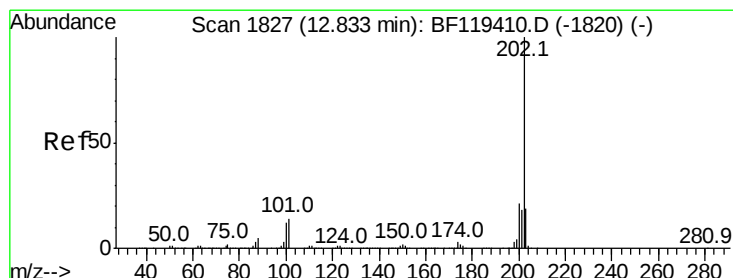
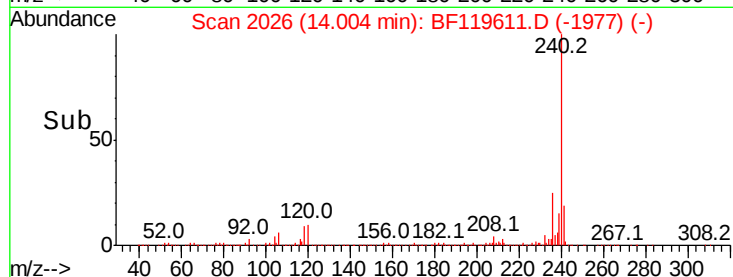
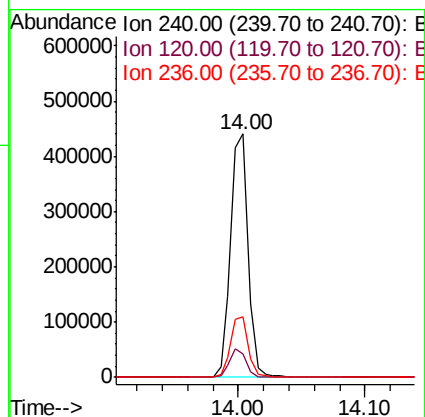
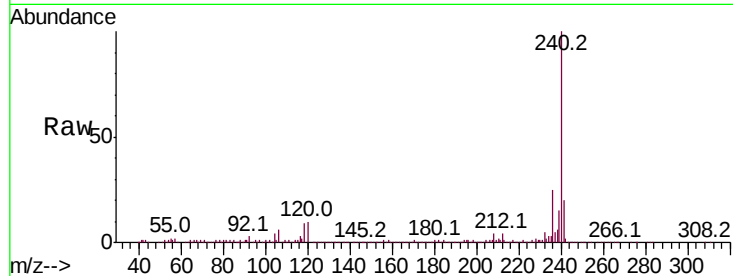
ClientSampleId :

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Tot Ion:	240	Resp:	421204
Ion Ratio	Lower	Upper	
240	100		
120	9.8	10.6	15.8#
236	25.0	20.2	30.2

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#78

Pyrene

Concen: 2.058 ng

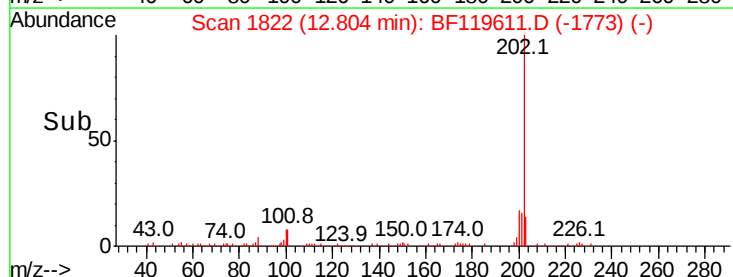
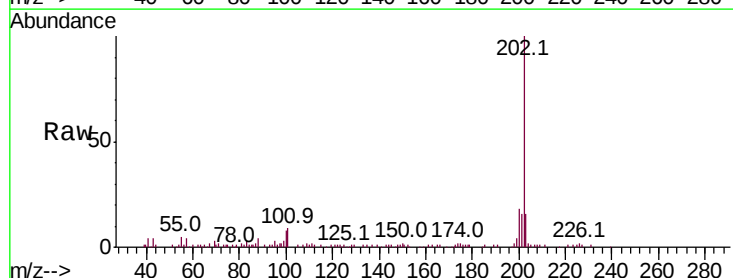
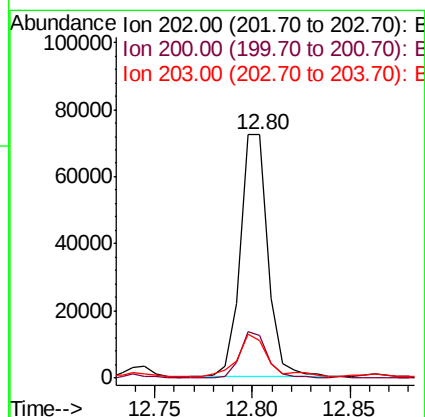
RT: 12.80 min Scan# 1822

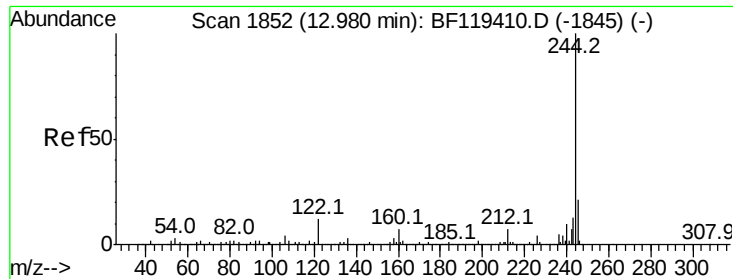
Delta R.T. -0.01 min

Lab File: BF119611.D

Acq: 28 Mar 2020 12:42

Tgt Ion:	202	Resp:	71128
Ion Ratio	Lower	Upper	
202	100		
200	17.6	16.8	25.2
203	15.6	15.1	22.7





#79

Terphenyl-d14

Concen: 23.026 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.02 min

Lab File: BF119611.D

Acq: 28 Mar 2020 12:42

Instrument :

BNA_F

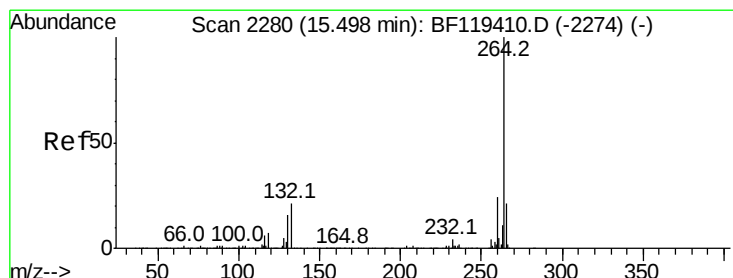
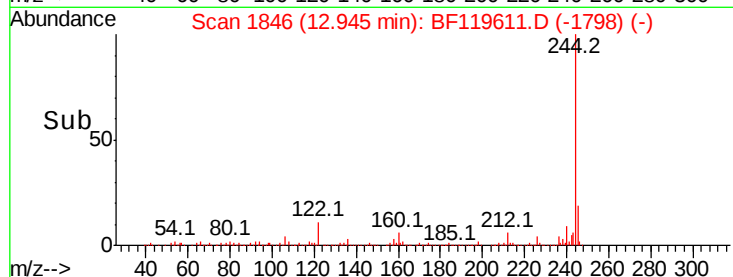
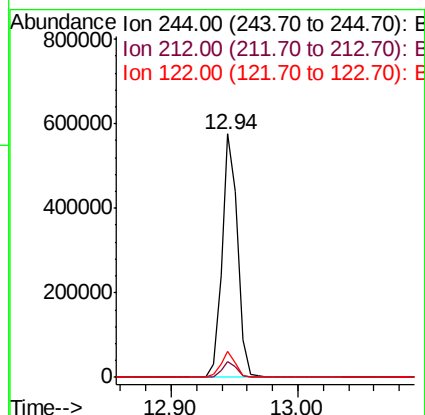
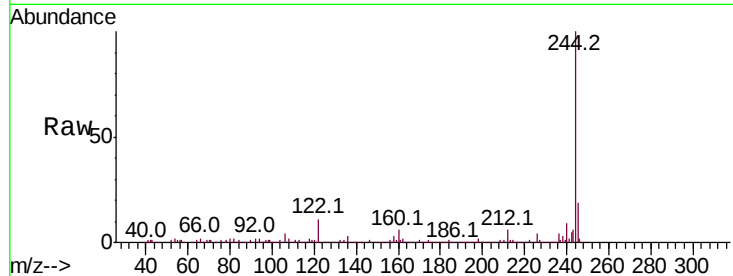
ClientSampleId :

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Tot Ion:	244	Resp:	495036
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.8	8.8
122	10.8	10.3	15.5

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#87

Perylene-d12

Concen: 20.000 ng

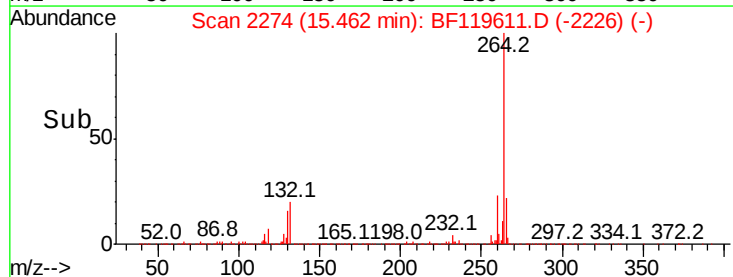
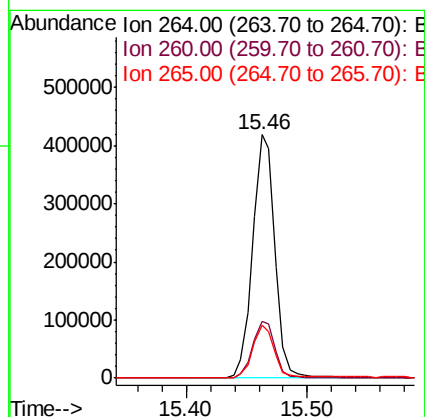
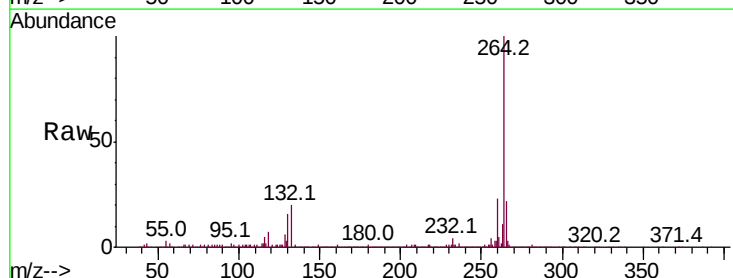
RT: 15.46 min Scan# 2274

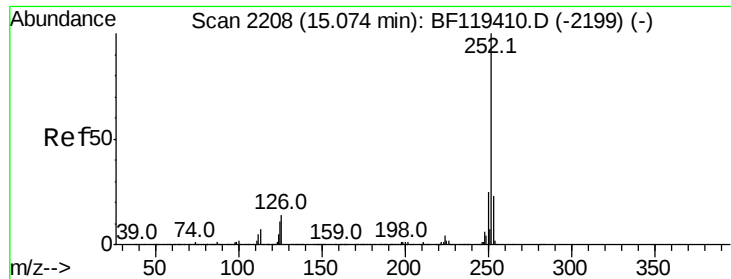
Delta R.T. -0.02 min

Lab File: BF119611.D

Acq: 28 Mar 2020 12:42

Tgt Ion:	264	Resp:	536483
Ion Ratio	Lower	Upper	
264	100		
260	23.1	18.7	28.1
265	21.8	17.7	26.5





#88

Benzo(b)fluoranthene

Concen: 2.443 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.02 min

Lab File: BF119611.D

Acq: 28 Mar 2020 12:42

Instrument :

BNA_F

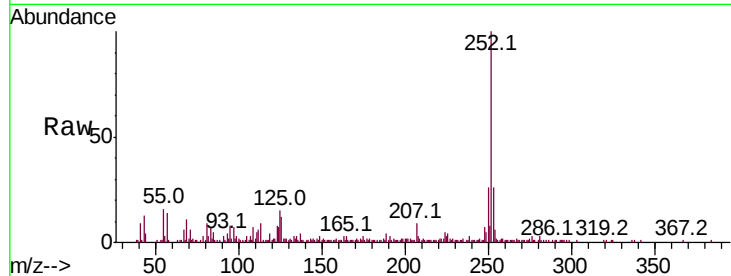
ClientSampleId :

CL-02-032520

Tot Ion:	252	Resp:	87539
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.4	26.0
125	15.0	7.9	11.9#

Manual Integrations
APPROVED

mohammad
3/31/2020 8:14:18 AM

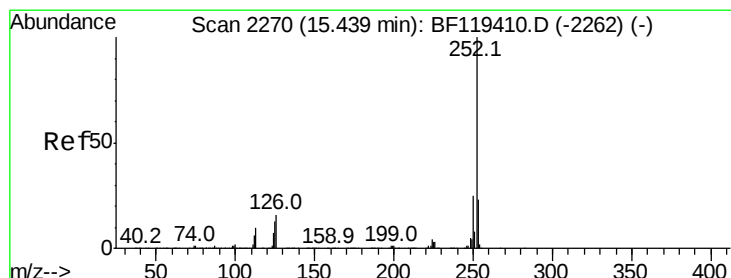
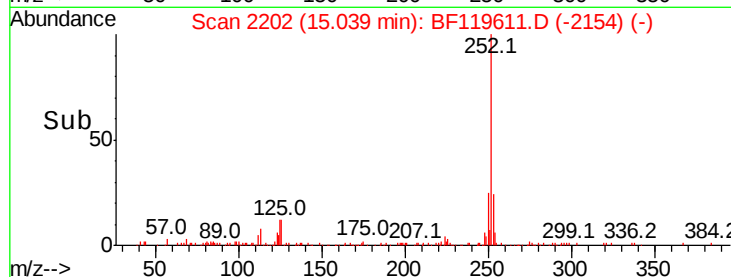
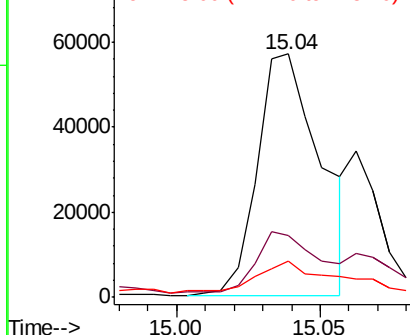


Abundance

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: 2.302 ng

RT: 15.40 min Scan# 2263

Delta R.T. -0.02 min

Lab File: BF119611.D

Acq: 28 Mar 2020 12:42

Tgt Ion:	252	Resp:	74973
Ion Ratio	Lower	Upper	
252	100		
253	25.1	18.2	27.2
125	15.2	9.4	14.2#

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

