

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
 Data File : BF110861.D
 Acq On : 19 Nov 2018 18:53
 Operator : JU/SJ
 Sample : J5774-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-111618

Manual Integrations
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Sohil
 11/20/2018 3:48:56 PM

Quant Time: Nov 20 10:54:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	56208	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	214390	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	88149	20.00	ng	-0.01
64) Phenanthrene-d10	11.48	188	141716	20.00	ng	0.00
76) Chrysene-d12	14.14	240	112250	20.00	ng	0.00
87) Perylene-d12	15.67	264	73993	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	348104	100.60	ng	0.00
7) Phenol-d6	6.57	99	432993	97.85	ng	0.00
23) Nitrobenzene-d5	7.50	82	264357	71.01	ng	-0.01
42) 2,4,6-Tribromophenol	10.78	330	76935	86.62	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	439291	71.17	ng	0.00
79) Terphenyl-d14	13.07	244	381422	63.64	ng	0.00
Target Compounds						
10) Phenol	6.58	94	19168	3.736	ng	81
50) Dimethylphthalate	9.69	163	37928	5.766	ng	# 97
71) Phenanthrene	11.50	178	83277	10.968	ng	99
72) Anthracene	11.56	178	25954m	3.389	ng	
75) Fluoranthene	12.70	202	157402	20.678	ng	99
78) Pyrene	12.94	202	168442	19.489	ng	97
81) Benzo(a)anthracene	14.13	228	76312	11.374	ng	96
83) Chrysene	14.16	228	83098m	13.000	ng	
86) Indeno(1,2,3-cd)pyrene	17.26	276	23181	5.054	ng	98
88) Benzo(b)fluoranthene	15.22	252	63384m	14.319	ng	
89) Benzo(k)fluoranthene	15.24	252	20615m	4.713	ng	
90) Benzo(a)pyrene	15.61	252	43494	10.815	ng	# 87
91) Dibenzo(a,h)anthracene	17.26	278	8059	2.368	ng	# 41
92) Benzo(g,h,i)perylene	17.74	276	26359	7.806	ng	# 91

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

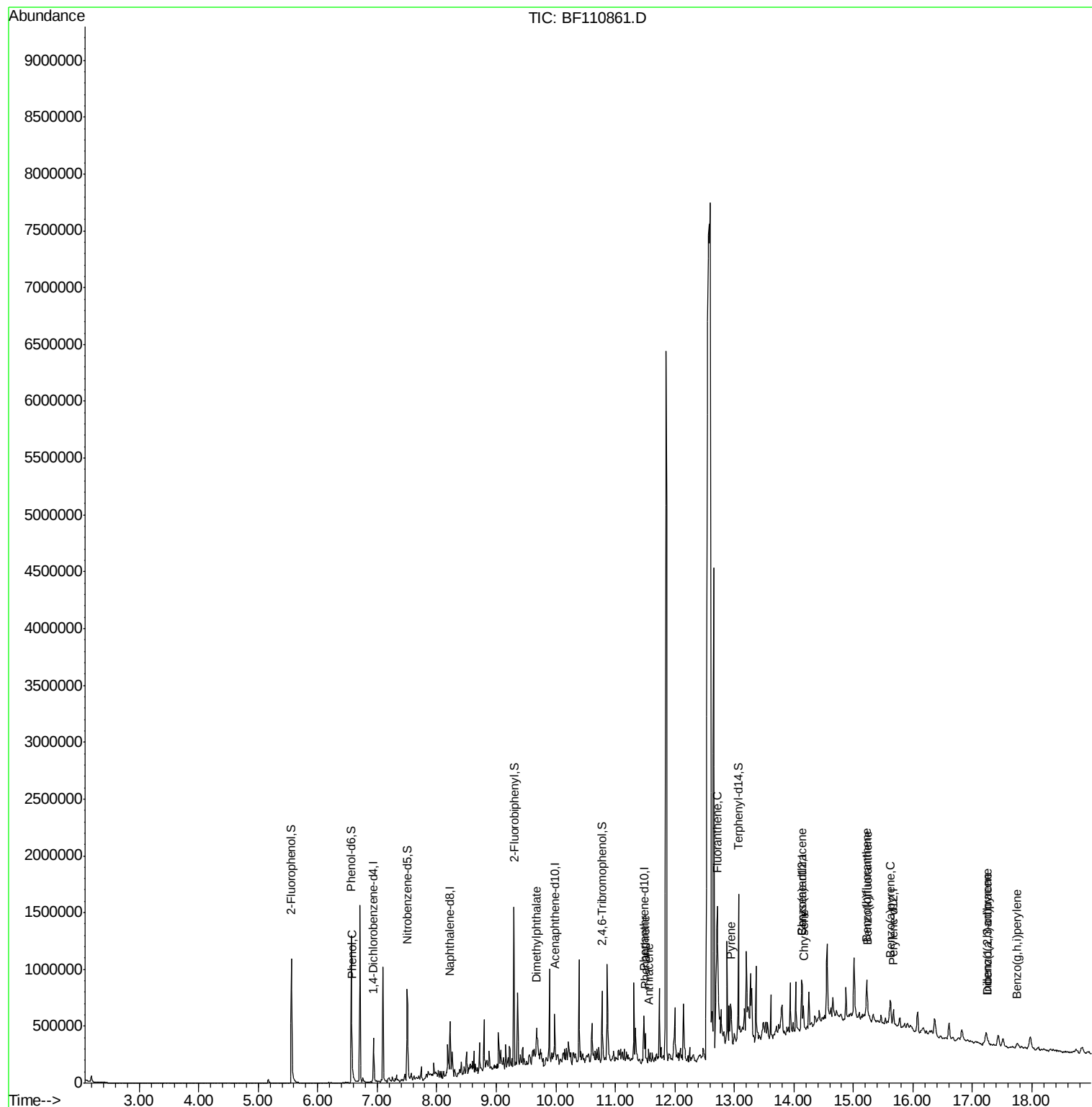
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
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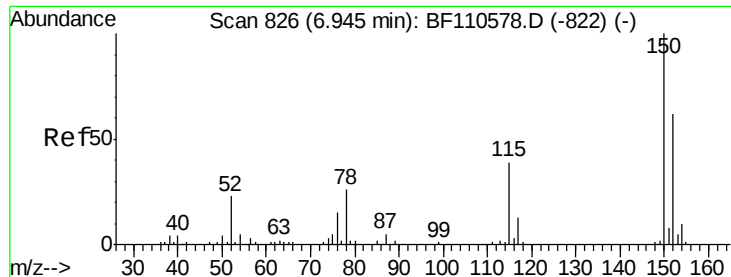
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#1

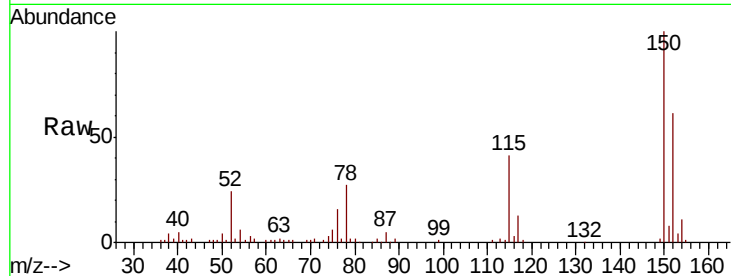
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Instrument :
BNA_F
ClientSampleId :
SU-04-111618

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.5	122.7	184.1
115	67.3	49.1	73.7

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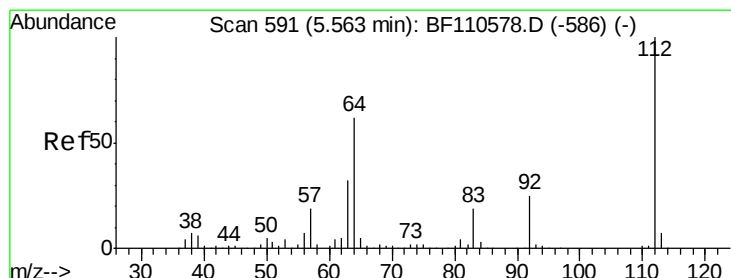
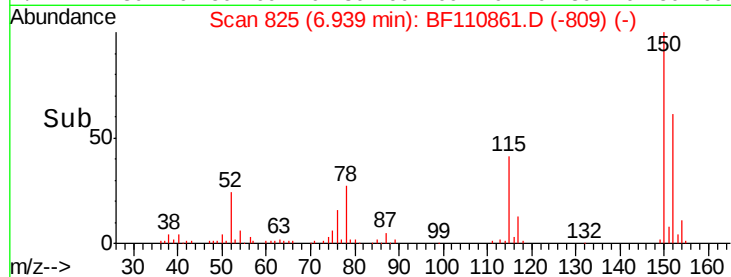
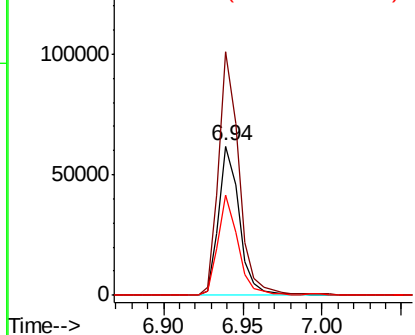


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

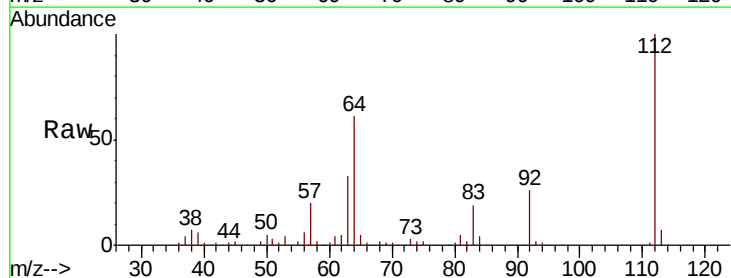
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 100.596 ng
RT: 5.56 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	44.1	66.1
63	33.3	23.7	35.5

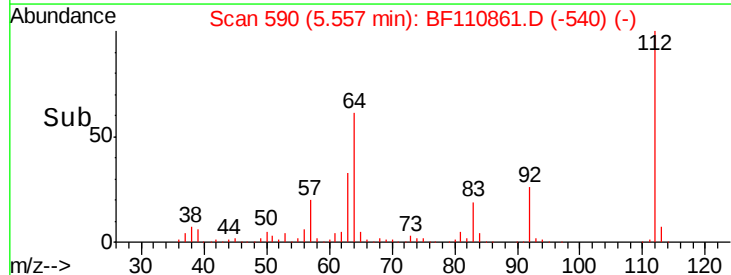
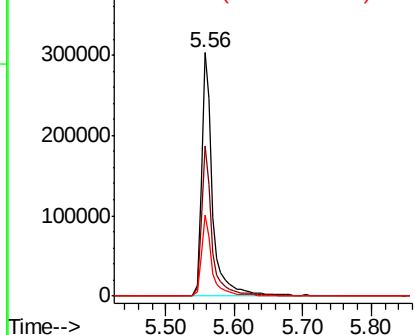


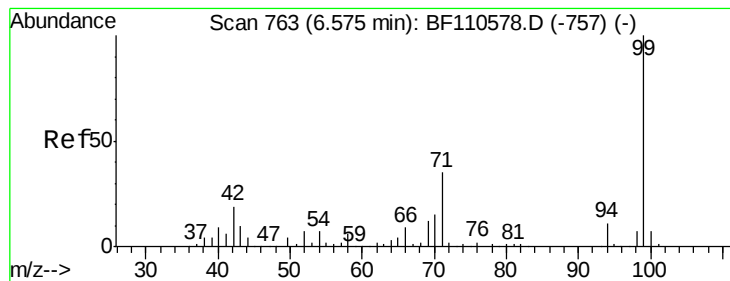
Abundance

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: 97.851 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110861.D

Acq: 19 Nov 2018 18:53

Instrument :

BNA_F

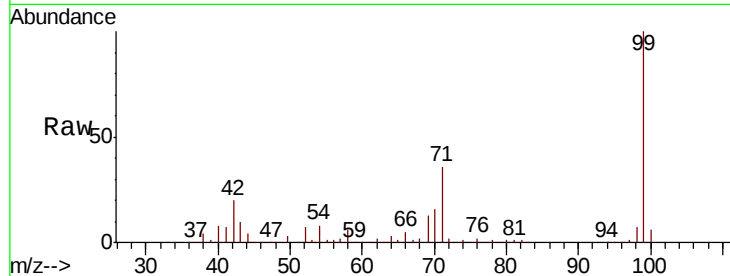
ClientSampleId :

SU-04-111618

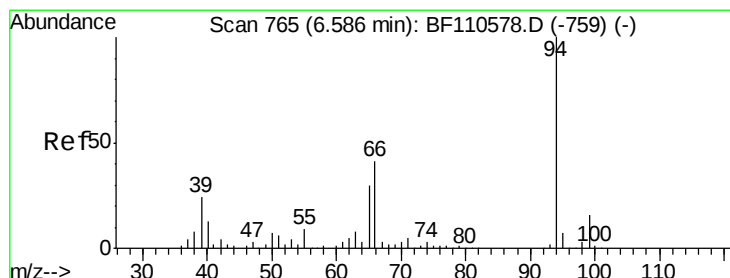
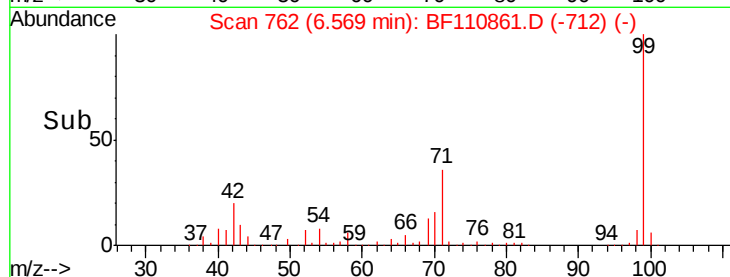
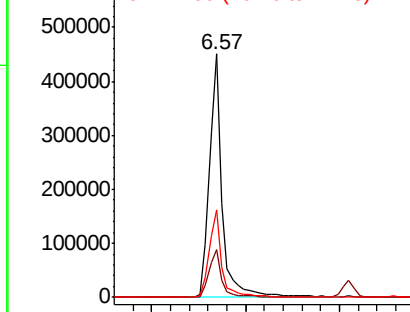
Tot Ion:	99	Resp:	432993
Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.8	23.6
71	35.9	28.0	42.0

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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



#10

Phenol

Concen: 3.736 ng

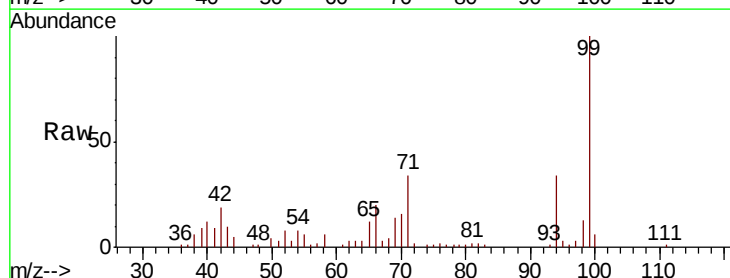
RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

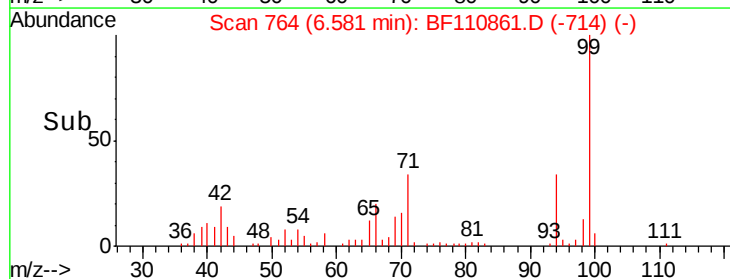
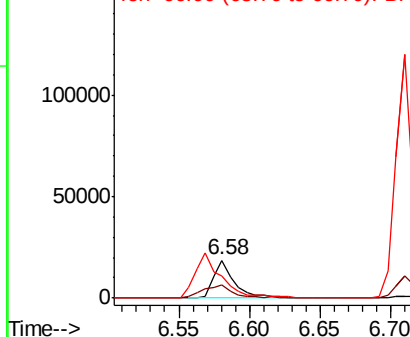
Lab File: BF110861.D

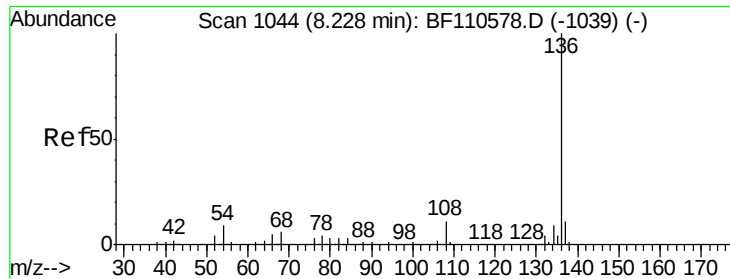
Acq: 19 Nov 2018 18:53

Tgt Ion:	94	Resp:	19168
Ion	Ratio	Lower	Upper
94	100		
65	33.7	25.3	65.3
66	58.0	54.5	94.5



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110861.D

Acq: 19 Nov 2018 18:53

Instrument :

BNA_F

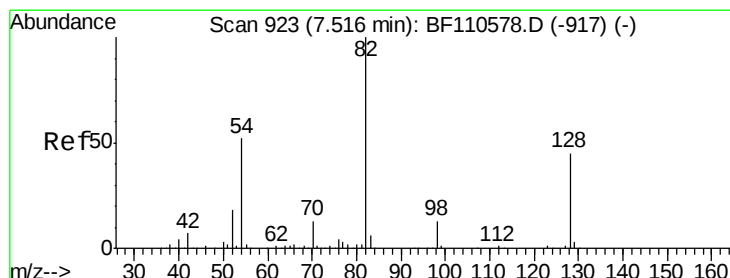
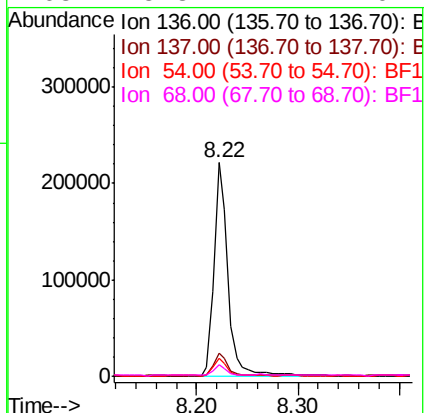
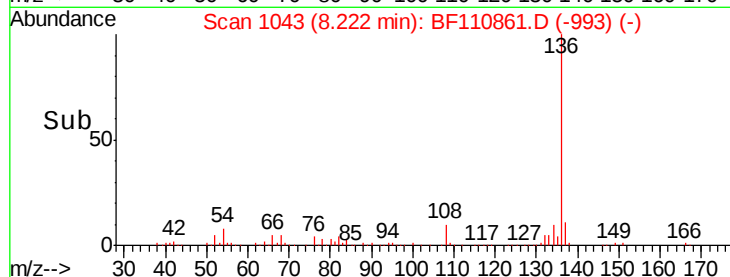
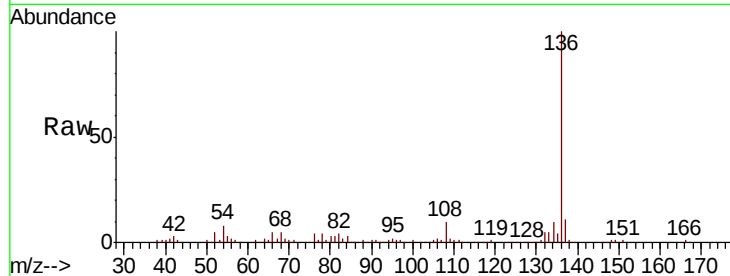
ClientSampleId :

SU-04-111618

Tot Ion	Ratio	Resp	Lower	Upper
136	100	214390		
137	10.7	8.8	13.2	
54	8.4	5.4	8.2	
68	5.3	4.2	6.2	

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#23

Nitrobenzene-d5

Concen: 71.012 ng

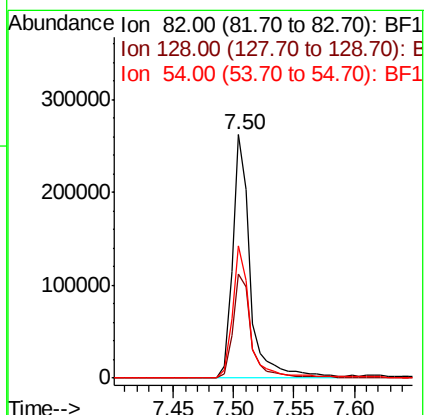
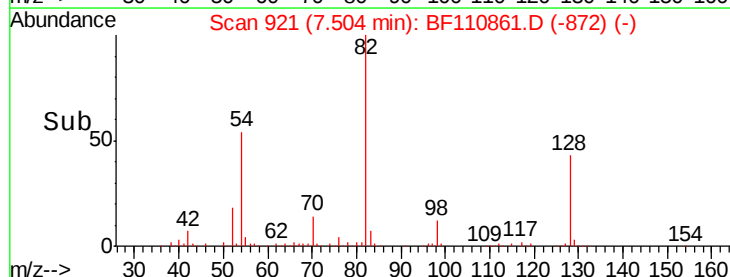
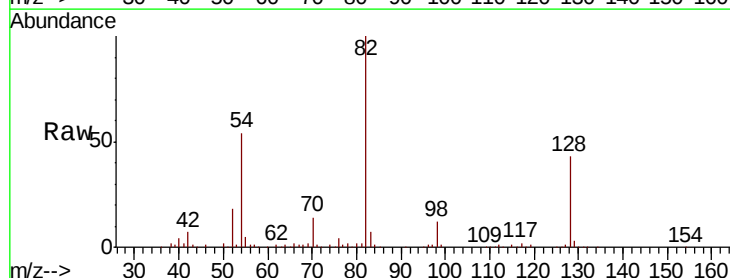
RT: 7.50 min Scan# 921

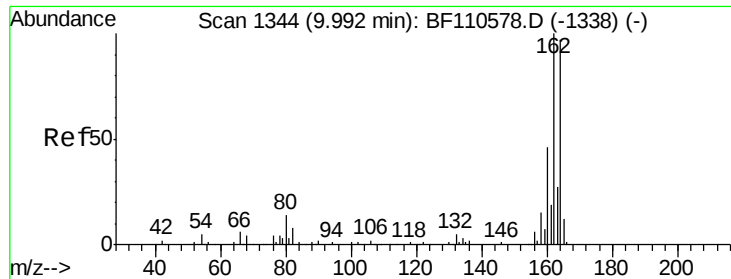
Delta R.T. -0.01 min

Lab File: BF110861.D

Acq: 19 Nov 2018 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	264357		
128	42.8	34.2	51.2	
54	54.5	38.6	58.0	





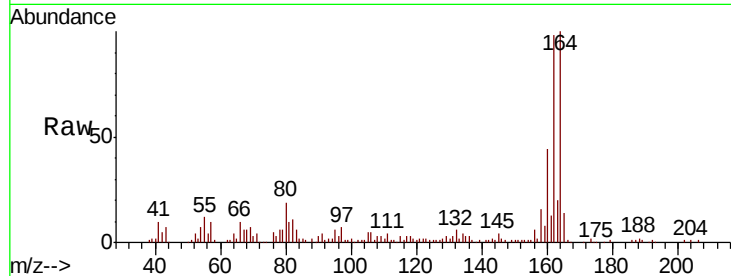
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Instrument :
BNA_F
ClientSampleId :
SU-04-111618

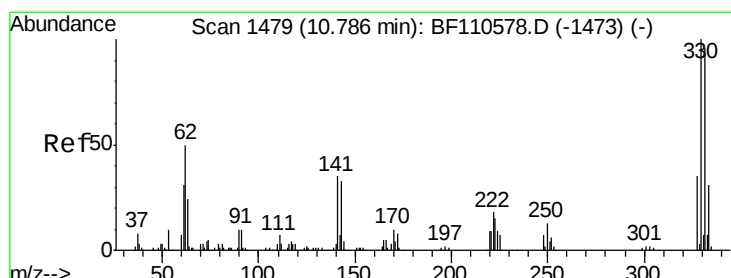
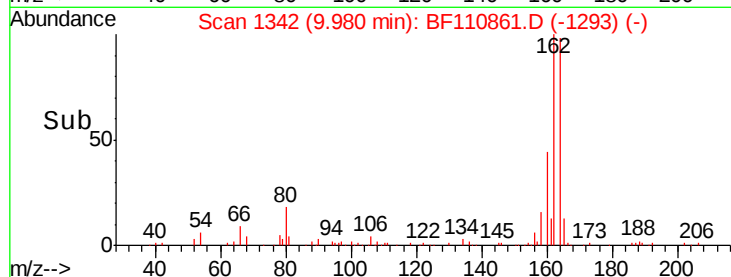
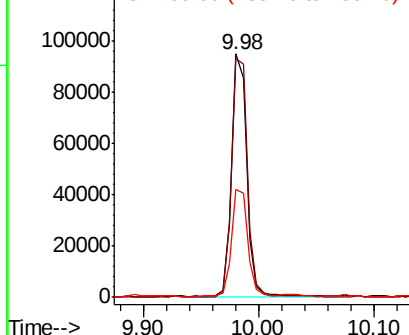
Tot Ion	Ratio	Lower	Upper
164	100		
162	98.1	83.0	124.6
160	44.3	37.0	55.6

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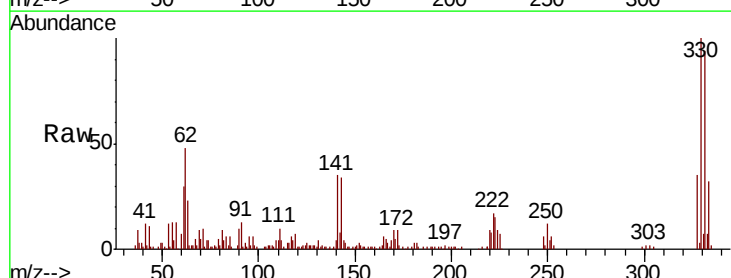


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

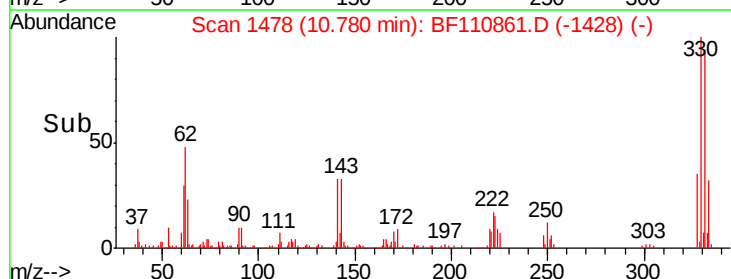
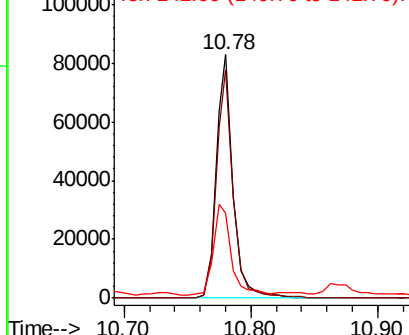


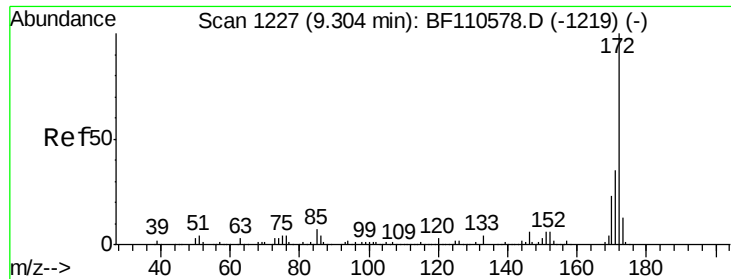
#42
2,4,6-Tribromophenol
Concen: 86.618 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.3	77.1	115.7
141	39.8	27.0	40.4



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





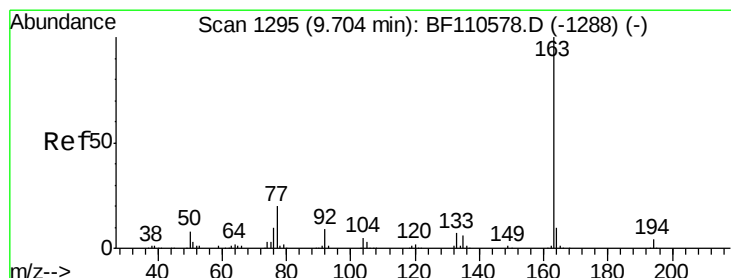
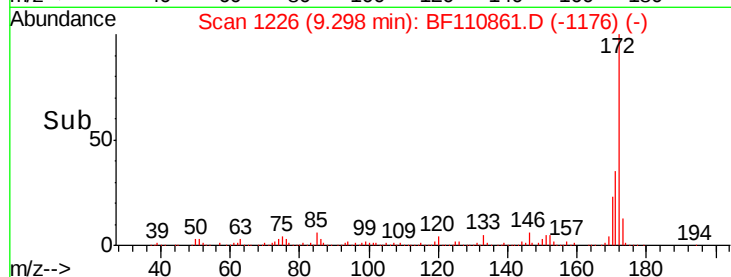
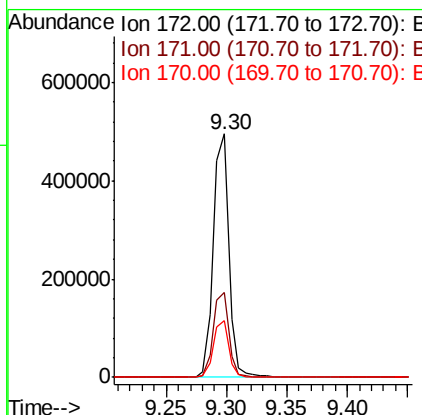
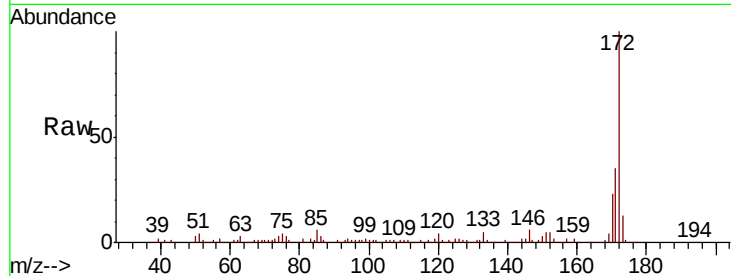
#45
2-Fluorobiphenyl
Concen: 71.173 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Instrument :
BNA_F
ClientSampleId :
SU-04-111618

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.6	43.0
170	23.5	19.7	29.5

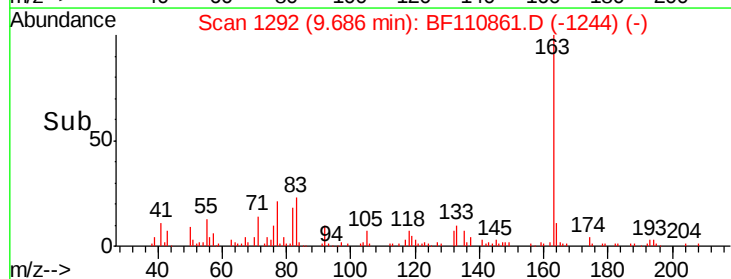
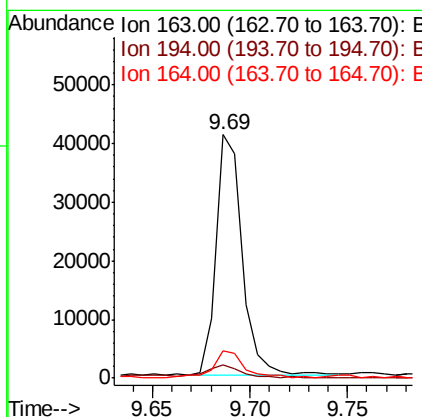
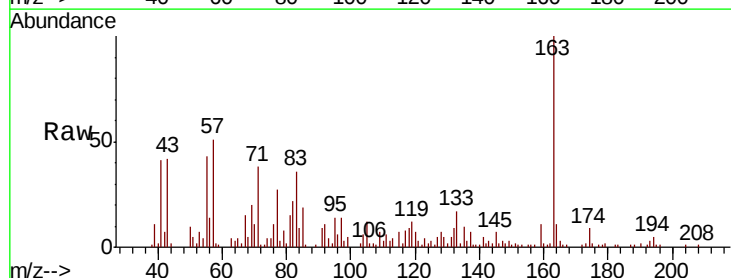
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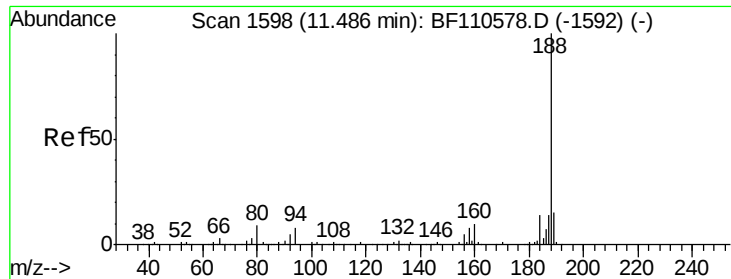
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#50
Dimethylphthalate
Concen: 5.766 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.2	4.8#
164	11.2	8.1	12.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF110861.D

Acq: 19 Nov 2018 18:53

Instrument :

BNA_F

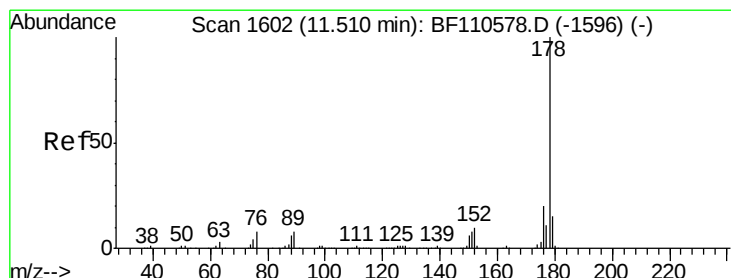
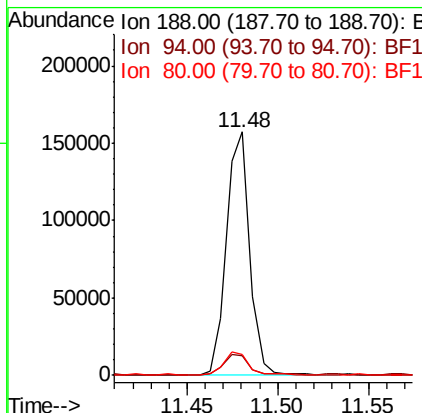
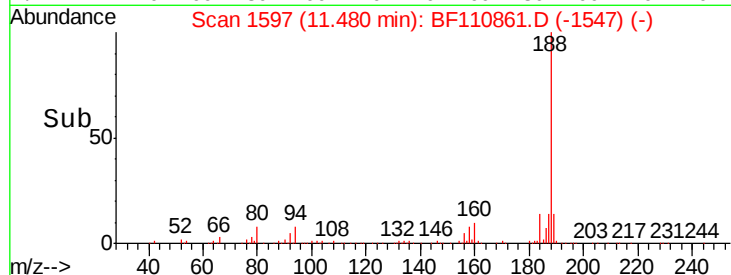
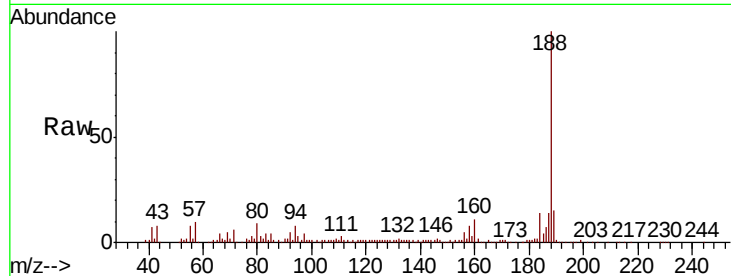
ClientSampleId :

SU-04-111618

Tot Ion:	188	Resp:	141716
Ion Ratio	Lower	Upper	
188	100		
94	7.8	7.2	10.8
80	8.8	7.9	11.9

Manual Integrations
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#71

Phenanthrene

Concen: 10.968 ng

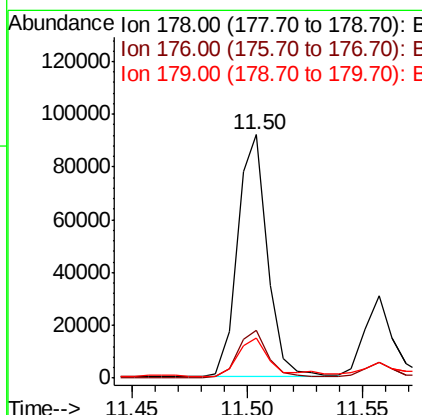
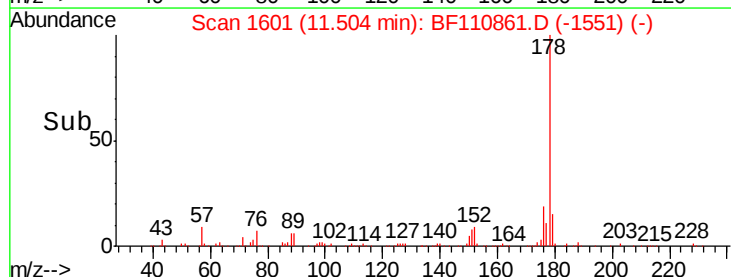
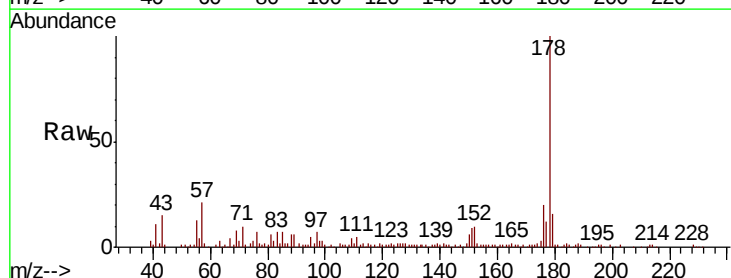
RT: 11.50 min Scan# 1601

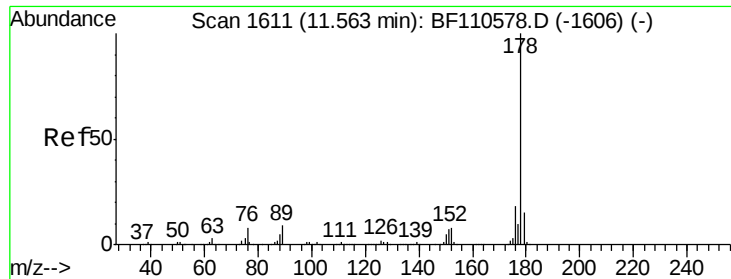
Delta R.T. -0.01 min

Lab File: BF110861.D

Acq: 19 Nov 2018 18:53

Tgt Ion:	178	Resp:	83277
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.5	23.3
179	16.5	12.5	18.7





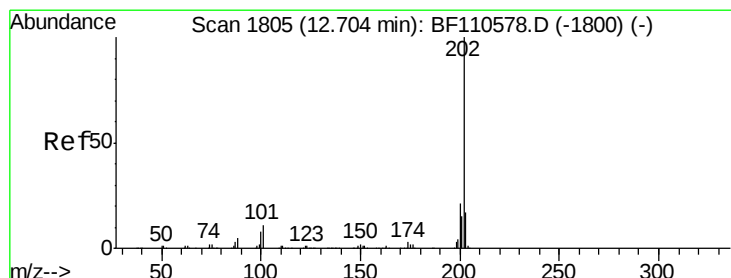
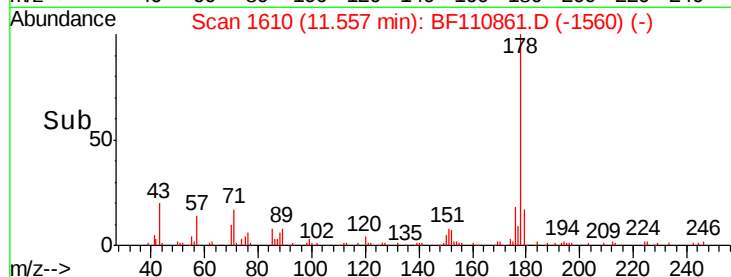
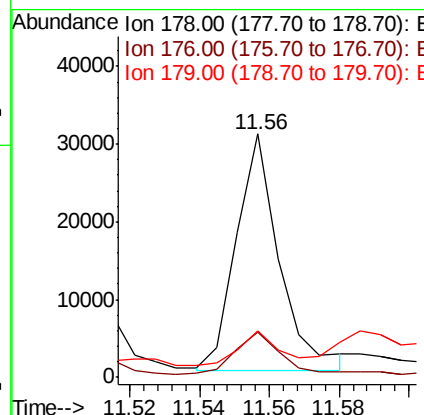
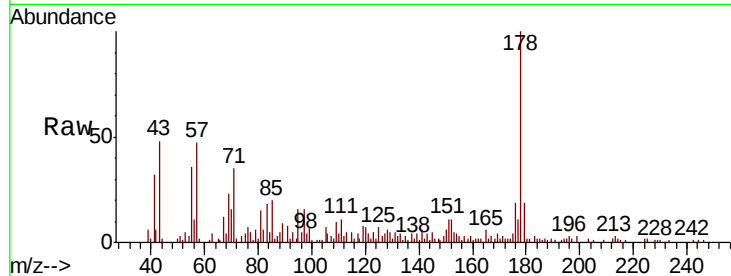
#72
 Anthracene
 Concen: 3.389 ng/mL
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BF110861.D
 Acq: 19 Nov 2018 18:53

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-111618

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	19.2	12.6	18.8

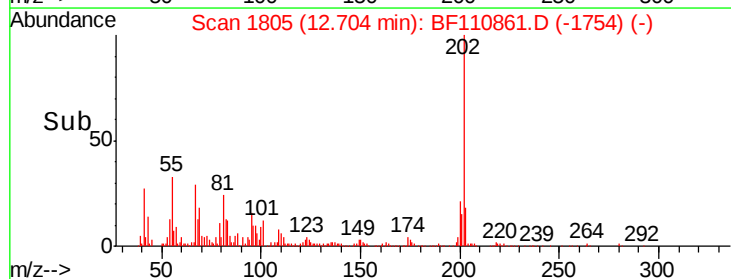
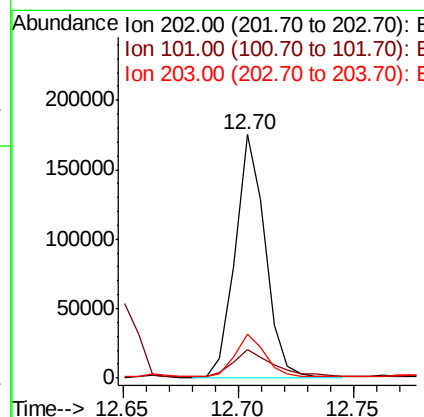
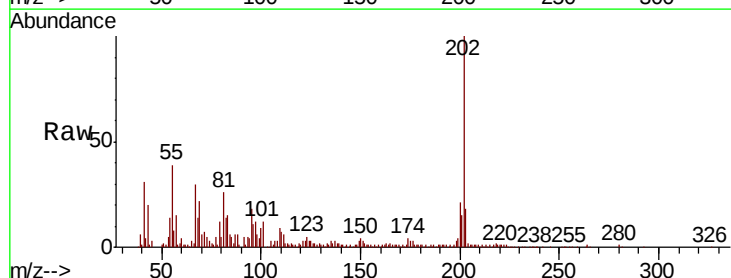
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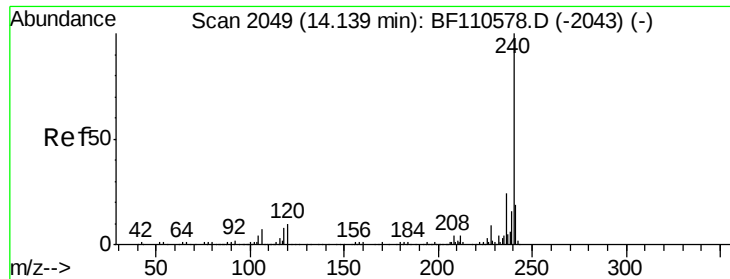
Sohil
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#75
 Fluoranthene
 Concen: 20.678 ng/mL
 RT: 12.70 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: BF110861.D
 Acq: 19 Nov 2018 18:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.4
203	17.9	0.0	37.7





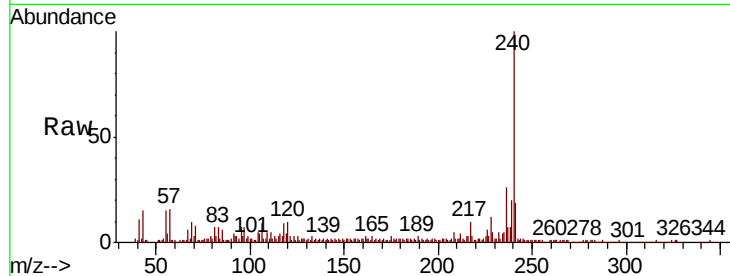
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.00 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Instrument :
BNA_F
ClientSampleId :
SU-04-111618

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	10.0	8.3	12.5	
236	25.7	21.2	31.8	

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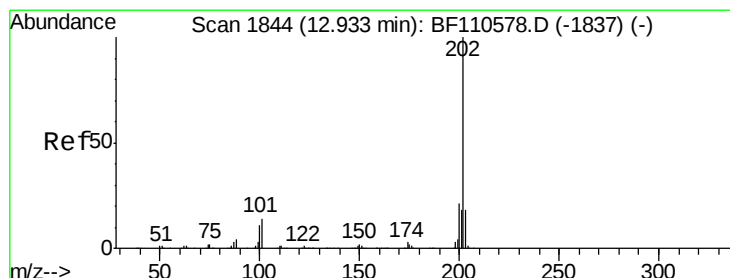
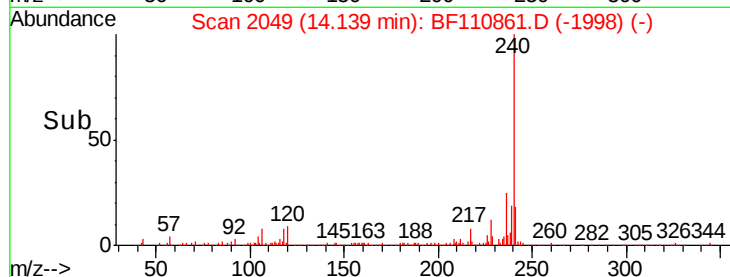
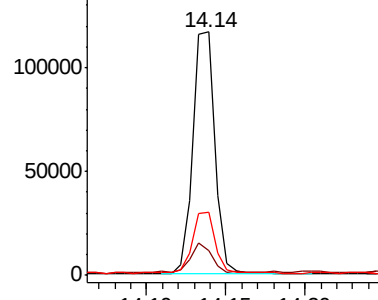


Abundance

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
Pyrene
Concen: 19.489 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

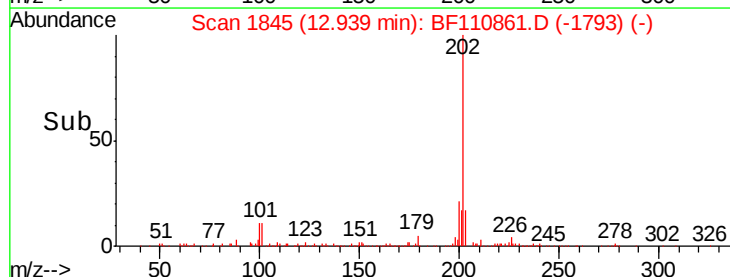
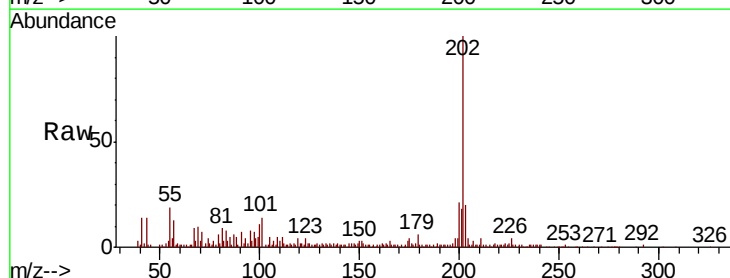
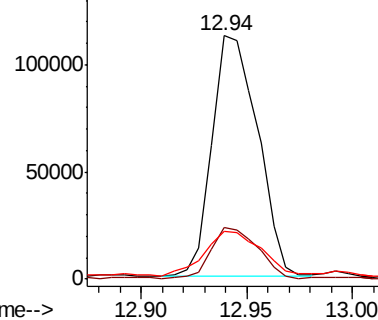
Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.3	17.8	26.6	
203	19.7	14.2	21.4	

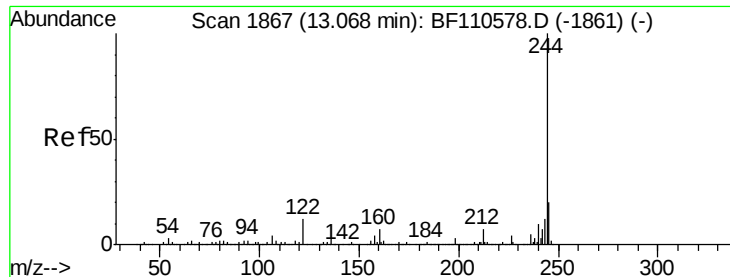
Abundance

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





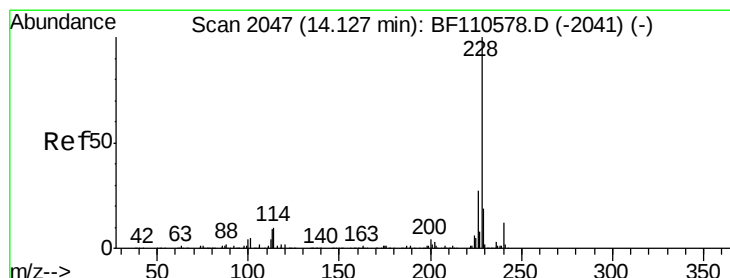
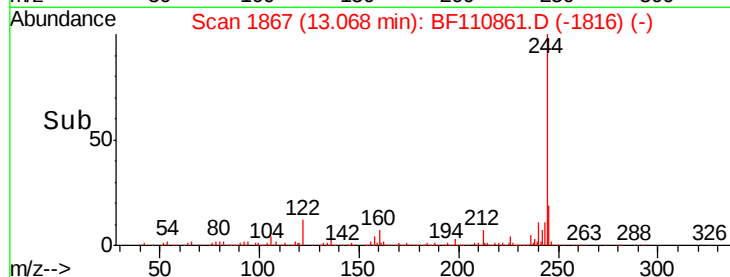
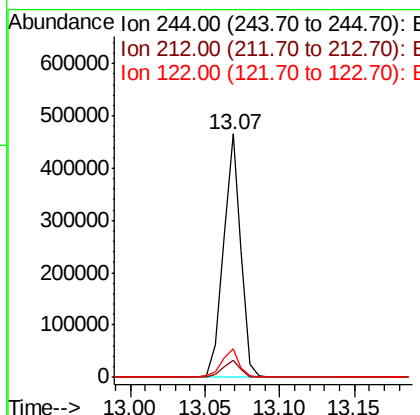
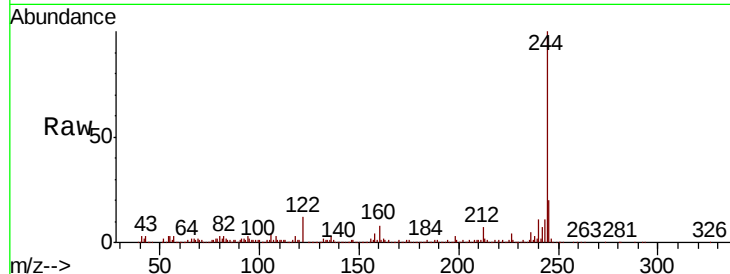
#79
 Terphenyl-d14
 Concen: 63.636 ng
 RT: 13.07 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: BF110861.D
 Acq: 19 Nov 2018 18:53

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-111618

Tot Ion	Ratio	Resp	Lower	Upper
244	100	381422		
212	7.1		5.8	8.8
122	12.0		8.7	13.1

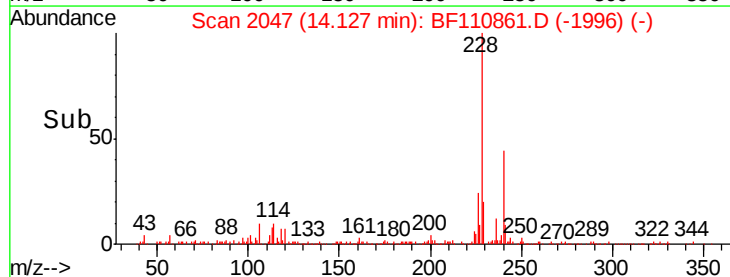
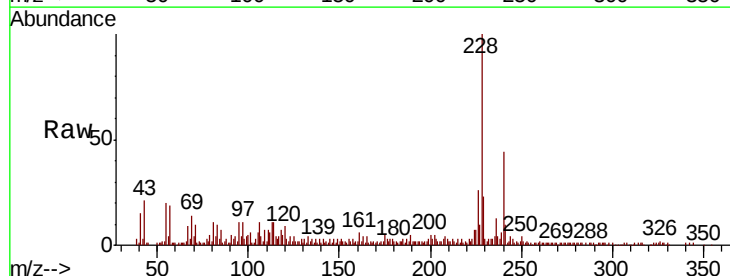
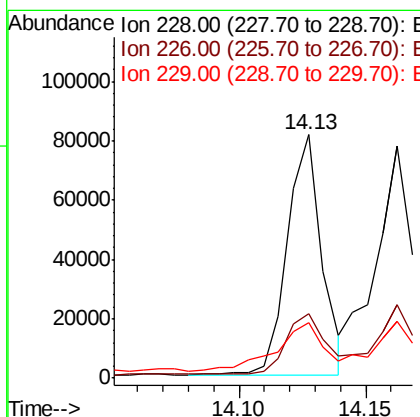
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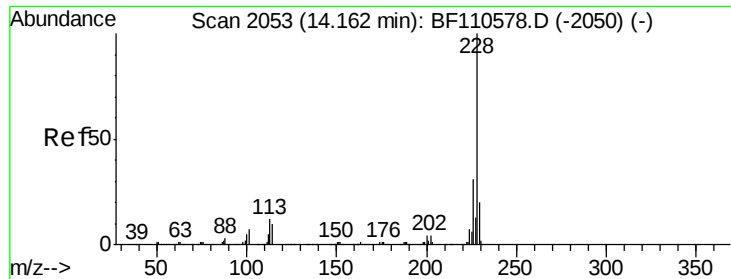
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#81
 Benzo(a)anthracene
 Concen: 11.374 ng
 RT: 14.13 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: BF110861.D
 Acq: 19 Nov 2018 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	76312		
226	26.3		22.1	33.1
229	22.6		15.6	23.4





#83

Chrysene

Concen: 13.000 ng/mL

RT: 14.16 min Scan# 2053

Delta R.T. 0.00 min

Lab File: BF110861.D

Acq: 19 Nov 2018 18:53

Instrument :

BNA_F

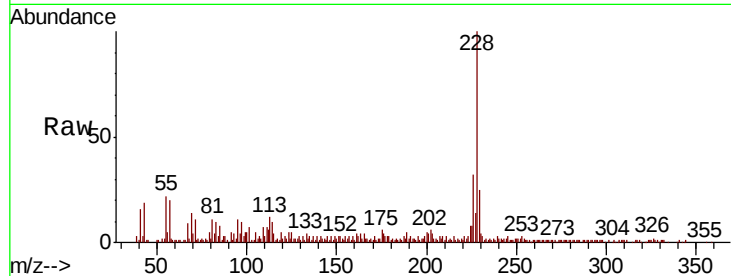
ClientSampleID :

SU-04-111618

Tot Ion:	228	Resp:	83098
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.7	37.1
229	24.6	15.9	23.9

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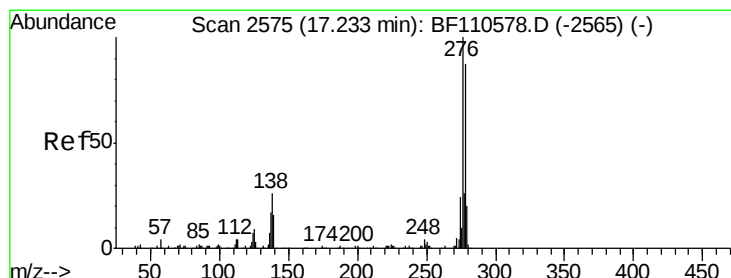
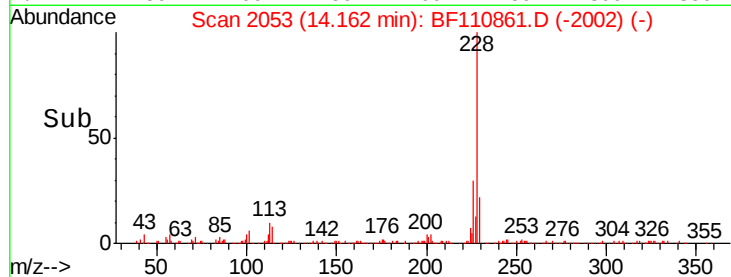
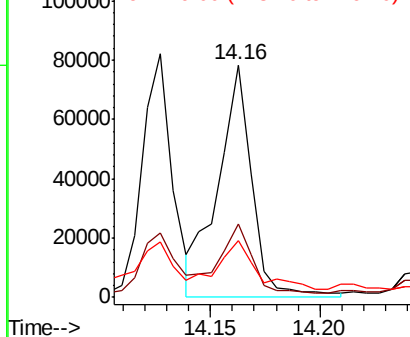


Abundance

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 5.054 ng

RT: 17.26 min Scan# 2580

Delta R.T. 0.03 min

Lab File: BF110861.D

Acq: 19 Nov 2018 18:53

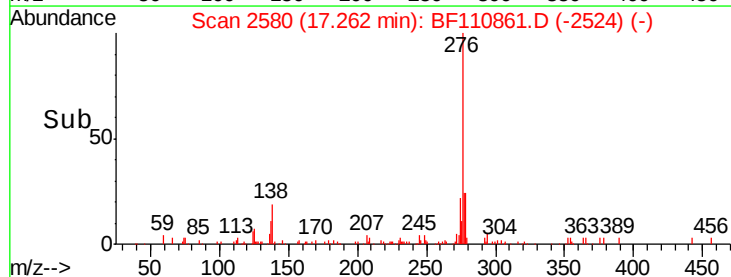
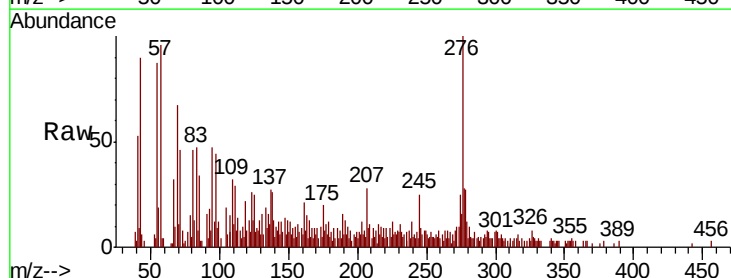
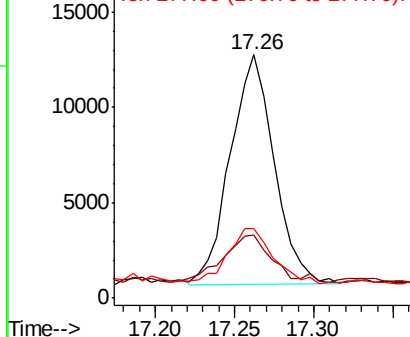
Tgt Ion:	276	Resp:	23181
Ion Ratio	Lower	Upper	
276	100		
138	23.8	18.5	27.7
277	26.6	20.0	30.0

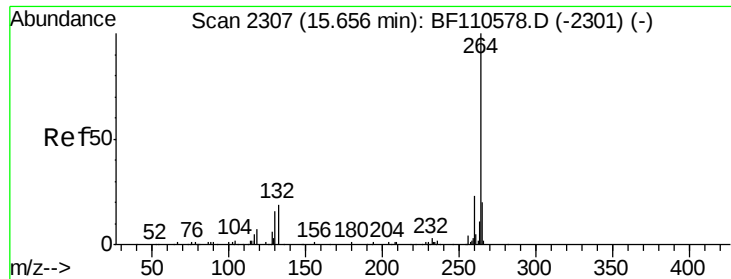
Abundance

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: 15.67 min Scan# 2310

Delta R.T. 0.02 min

Lab File: BF110861.D

Acq: 19 Nov 2018 18:53

Instrument :

BNA_F

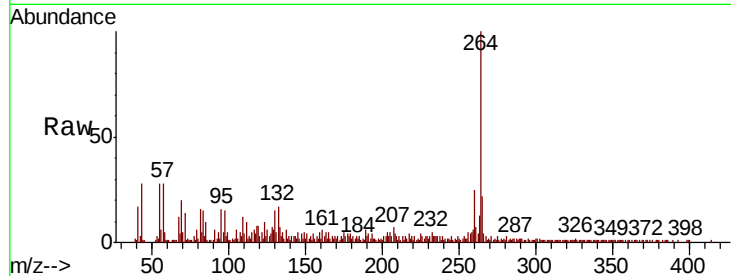
ClientSampleId :

SU-04-111618

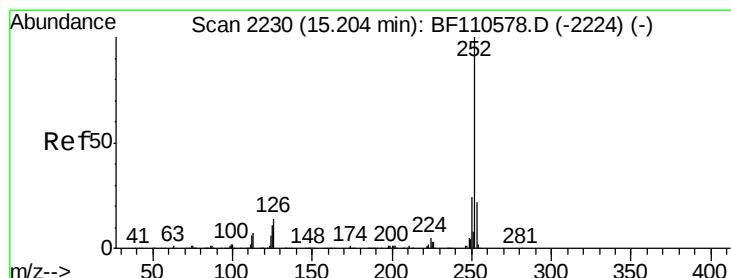
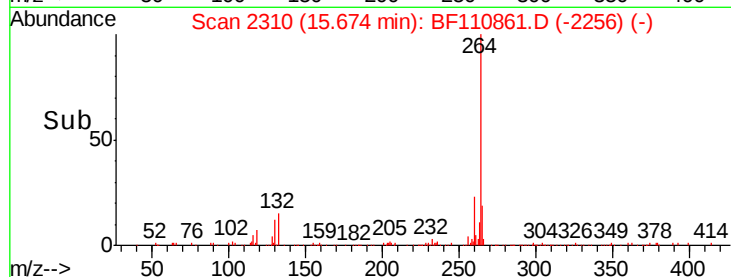
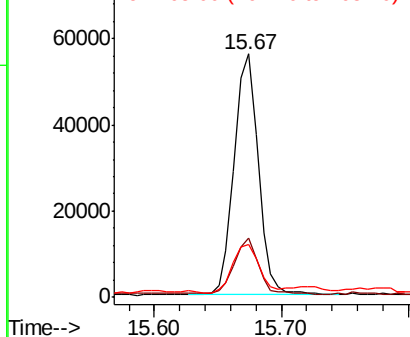
Tot Ion:	264	Resp:	73993
Ion Ratio	Lower	Upper	
264	100		
260	24.5	18.7	28.1
265	22.0	16.7	25.1

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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: 14.319 ng m

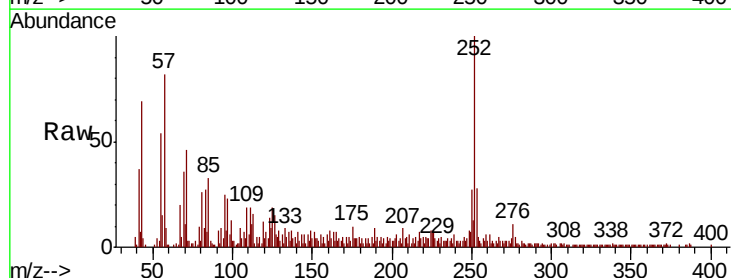
RT: 15.22 min Scan# 2232

Delta R.T. 0.01 min

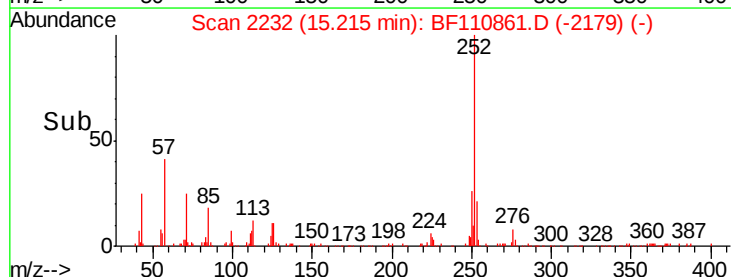
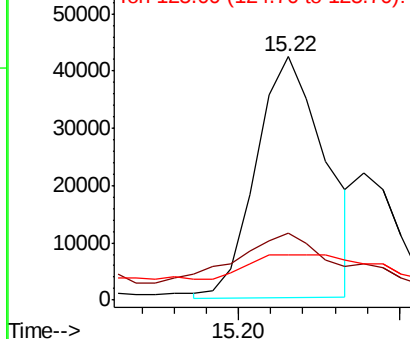
Lab File: BF110861.D

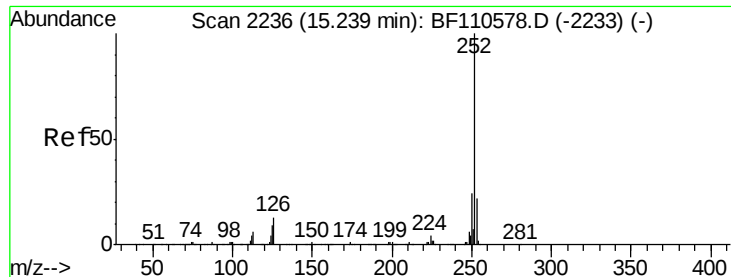
Acq: 19 Nov 2018 18:53

Tgt Ion:	252	Resp:	63384
Ion Ratio	Lower	Upper	
252	100		
253	27.6	17.2	25.8#
125	18.6	8.2	12.4#



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: 4.713 ng m

RT: 15.24 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BF110861.D

Acq: 19 Nov 2018 18:53

Instrument :

BNA_F

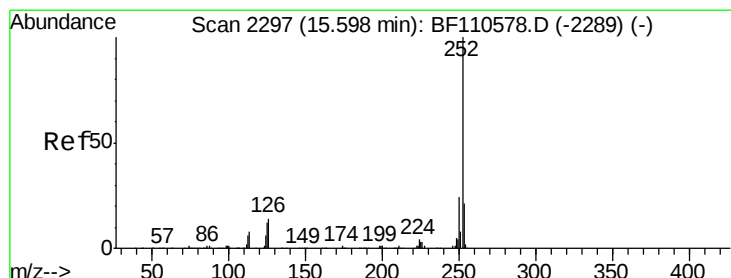
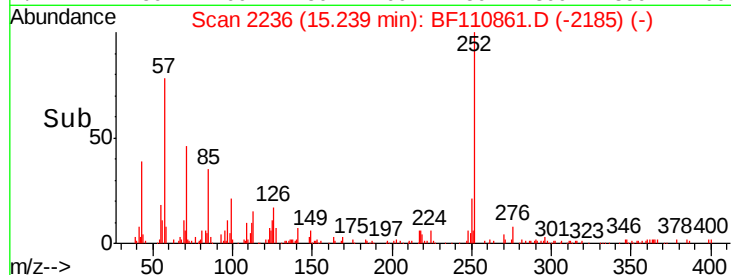
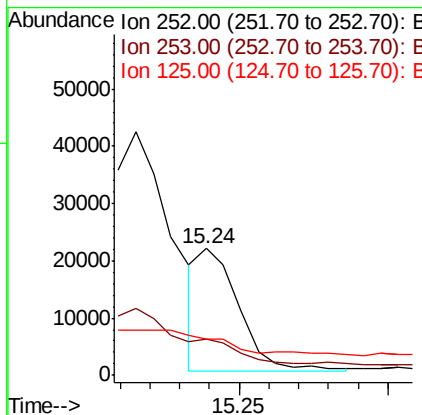
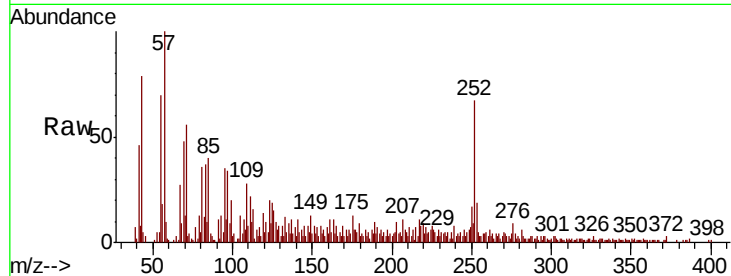
ClientSampleId :

SU-04-111618

Tot Ion:	252	Resp:	20615
Ion Ratio	Lower	Upper	
252	100		
253	29.0	17.2	25.8#
125	28.2	7.4	11.0#

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#90

Benzo(a)pyrene

Concen: 10.815 ng

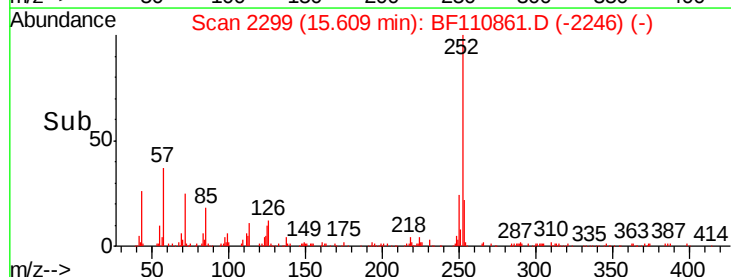
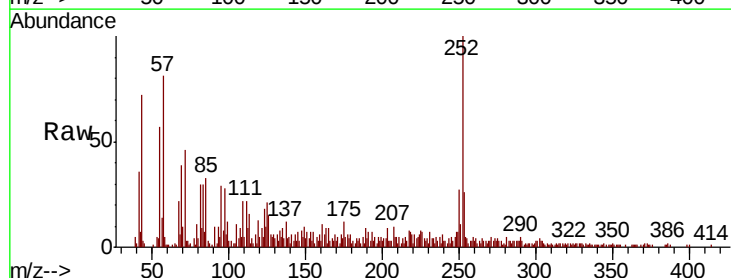
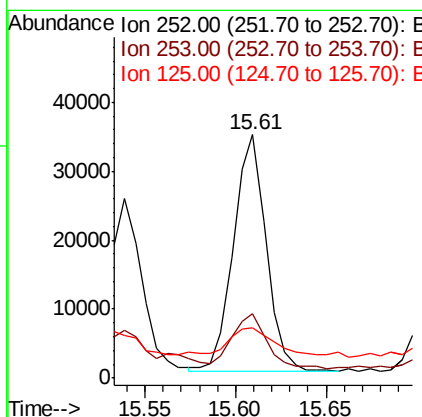
RT: 15.61 min Scan# 2299

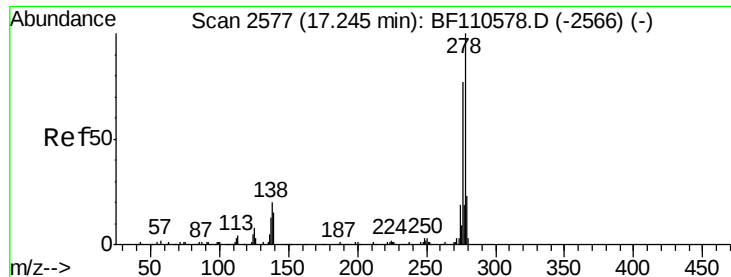
Delta R.T. 0.01 min

Lab File: BF110861.D

Acq: 19 Nov 2018 18:53

Tgt Ion:	252	Resp:	43494
Ion Ratio	Lower	Upper	
252	100		
253	26.2	18.2	27.4
125	20.8	9.0	13.6#





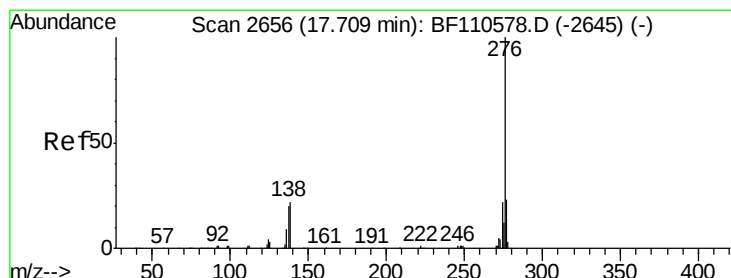
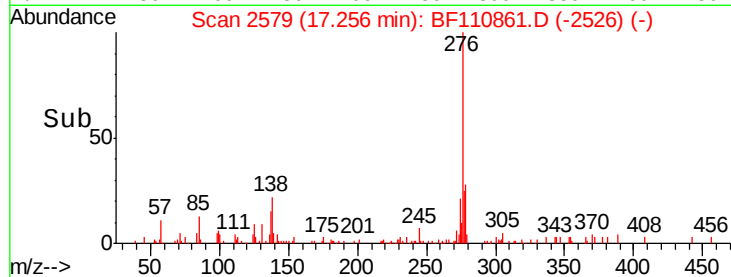
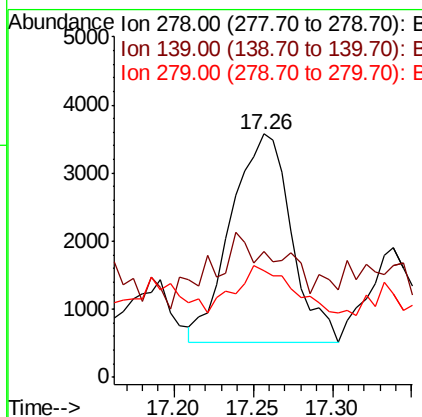
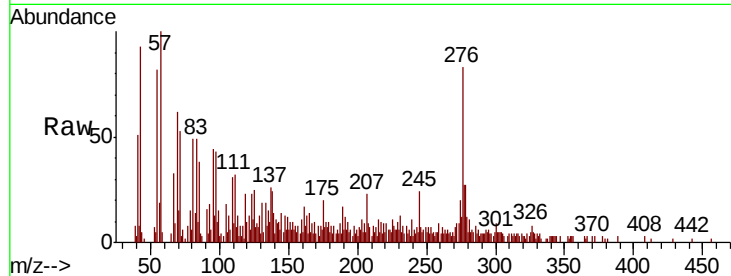
#91
Dibenzo(a,h)anthracene
Concen: 2.368 ng
RT: 17.26 min Scan# 2579
Delta R.T. 0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Instrument :
BNA_F
ClientSampleId :
SU-04-111618

Tot Ion	Ratio	Lower	Upper
278	100		
139	51.9	12.7	19.1#
279	43.9	19.0	28.4#

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#92
Benzo(g,h,i)perylene
Concen: 7.806 ng
RT: 17.74 min Scan# 2662
Delta R.T. 0.04 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	18.8	28.2
138	26.1	16.0	24.0#

