

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
 Data File : BF110643.D
 Acq On : 9 Nov 2018 22:31
 Operator : JU/SJ
 Sample : J5813-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-I

Manual Integrations
 APPROVED

Sohil
 11/12/2018 10:30:19 AM

Quant Time: Nov 11 03:53:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	101246	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	403387	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	170371	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	260202	20.00	ng	0.00
76) Chrysene-d12	14.13	240	187419	20.00	ng	-0.01
87) Perylene-d12	15.66	264	139801	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	643584	103.25	ng	0.00
7) Phenol-d6	6.57	99	823785	103.35	ng	0.00
23) Nitrobenzene-d5	7.51	82	524246	74.84	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	149130	86.87	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	853081	71.51	ng	0.00
79) Terphenyl-d14	13.06	244	555006	55.46	ng	0.00
Target Compounds						
10) Phenol	6.59	94	53784	5.819	ng	Qvalue # 64
50) Dimethylphthalate	9.69	163	126082	9.918	ng	99
71) Phenanthrene	11.50	178	68490	4.913	ng	98
75) Fluoranthene	12.70	202	145340	10.399	ng	98
78) Pyrene	12.93	202	112958	7.828	ng	98
81) Benzo(a)anthracene	14.12	228	48500	4.329	ng	97
83) Chrysene	14.16	228	60401	5.660	ng	96
86) Indeno(1,2,3-cd)pyrene	17.22	276	23125	3.020	ng	# 89
88) Benzo(b)fluoranthene	15.20	252	63710m	7.618	ng	
89) Benzo(k)fluoranthene	15.23	252	20389m	2.467	ng	
90) Benzo(a)pyrene	15.59	252	33013	4.345	ng	# 94
92) Benzo(a,h,i)perylene	17.71	276	21082	3.304	ng	# 88

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

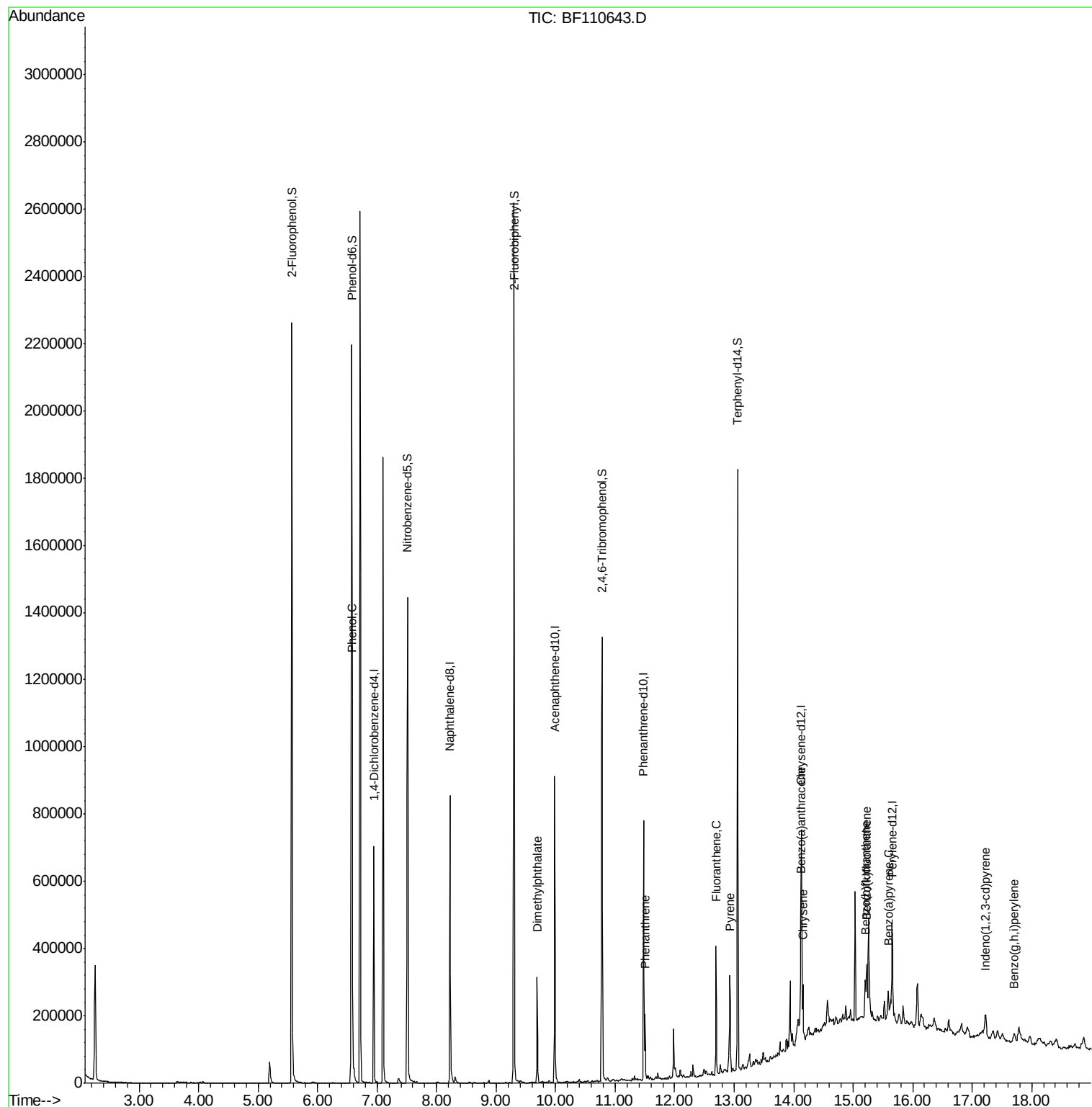
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
Data File : BF110643.D
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Sample : J5813-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

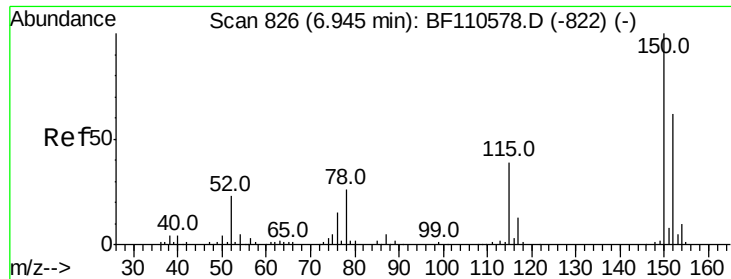
Instrument :
BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

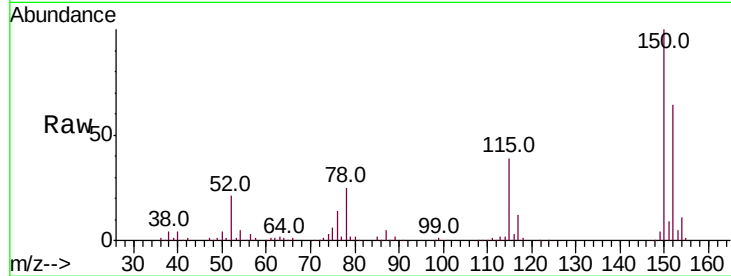
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110643.D
Acq: 9 Nov 2018 22:31

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	122.7	184.1
115	61.2	49.1	73.7

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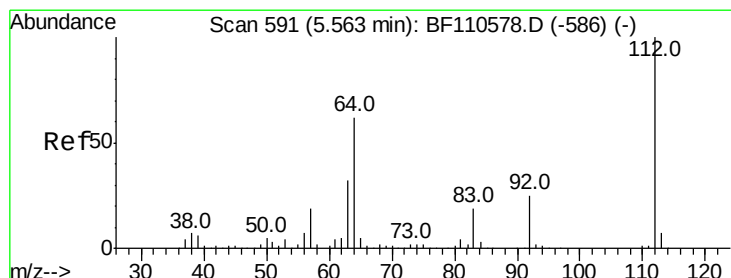
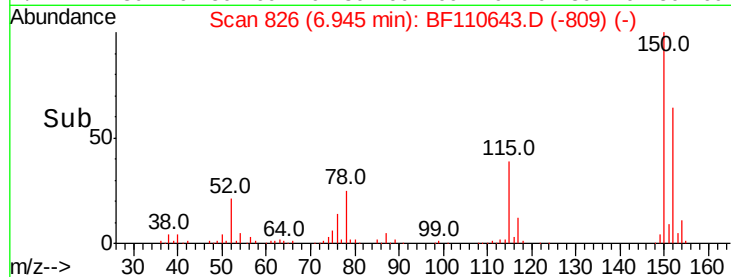
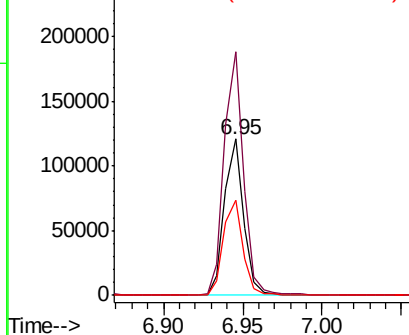


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

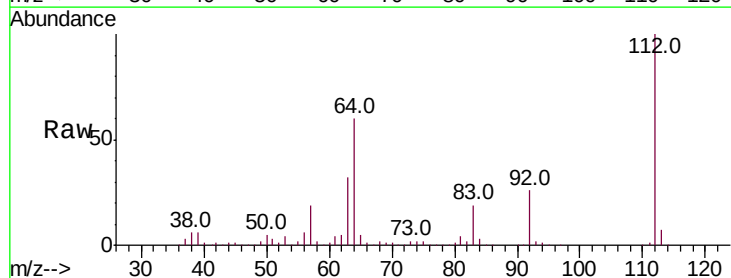
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 103.252 ng
RT: 5.57 min Scan# 592
Delta R.T. 0.01 min
Lab File: BF110643.D
Acq: 9 Nov 2018 22:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	44.1	66.1
63	32.1	23.7	35.5

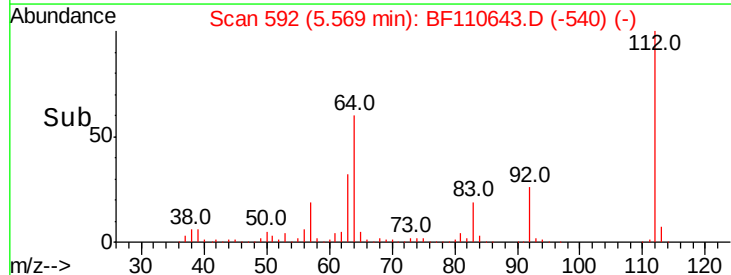
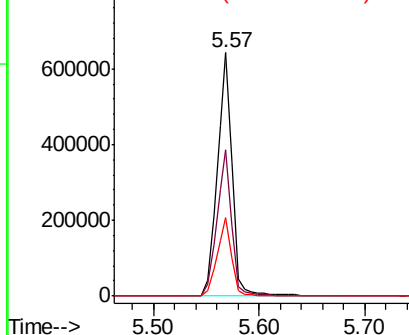


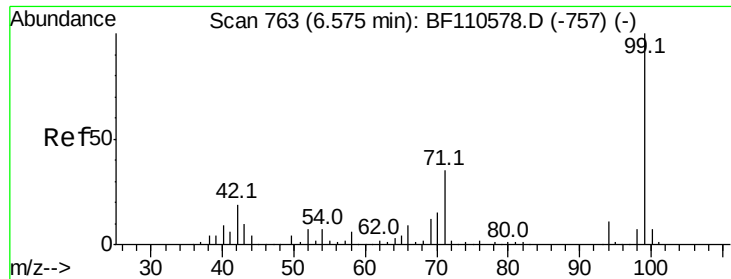
Abundance

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: 103.352 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.00 min

Lab File: BF110643.D

Acq: 9 Nov 2018 22:31

Instrument :

BNA_F

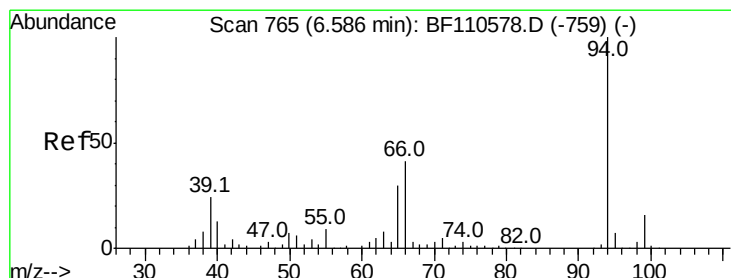
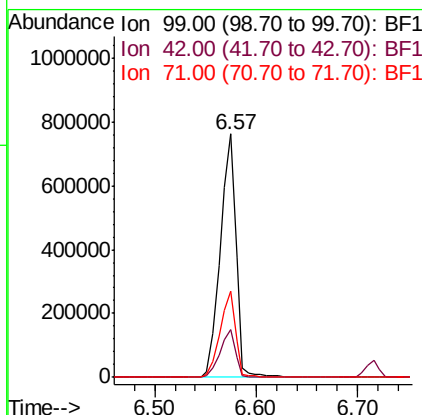
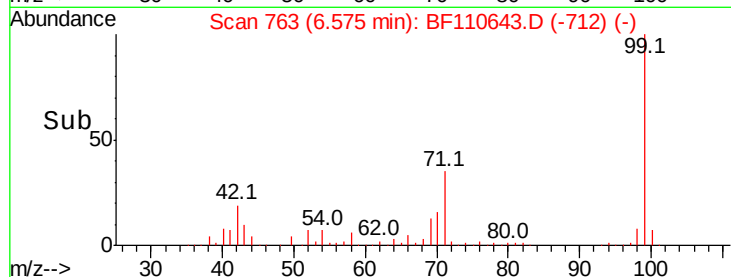
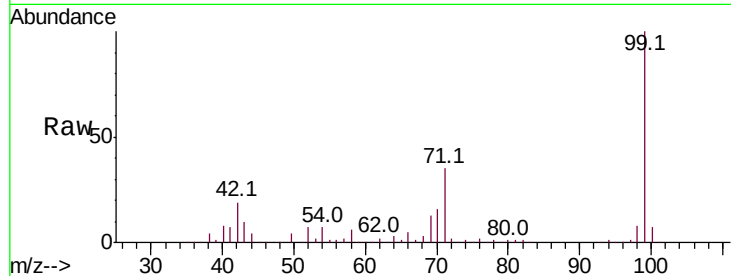
ClientSampled :

TS-I

Tot Ion:	99	Resp:	823785
Ion Ratio	Lower	Upper	
99	100		
42	19.5	15.8	23.6
71	35.2	28.0	42.0

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#10

Phenol

Concen: 5.819 ng

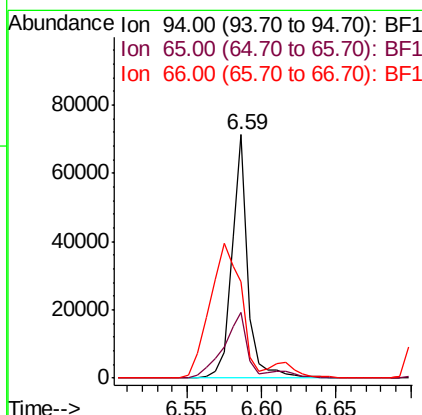
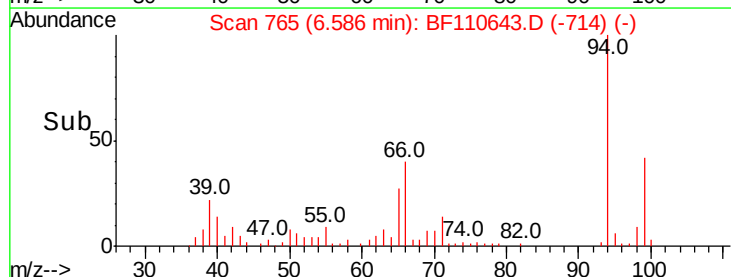
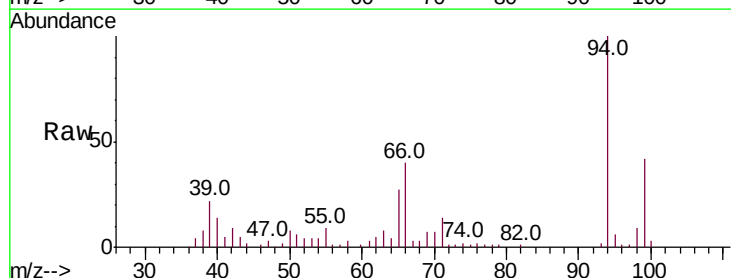
RT: 6.59 min Scan# 765

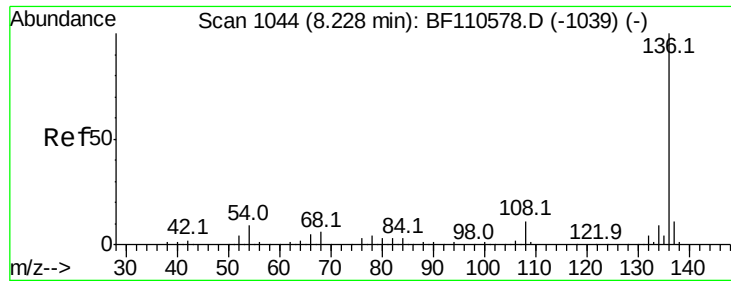
Delta R.T. 0.00 min

Lab File: BF110643.D

Acq: 9 Nov 2018 22:31

Tgt Ion:	94	Resp:	53784
Ion Ratio	Lower	Upper	
94	100		
65	26.7	25.3	65.3
66	39.7	54.5	94.5#





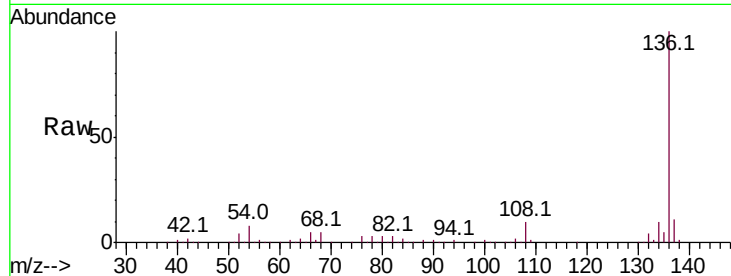
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110643.D
Acq: 9 Nov 2018 22:31

Instrument :
BNA_F
ClientSampled :
TS-I

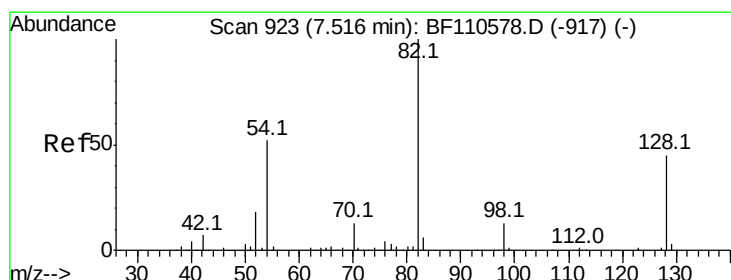
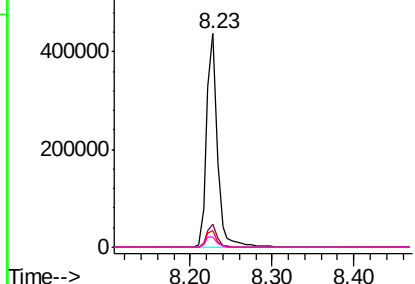
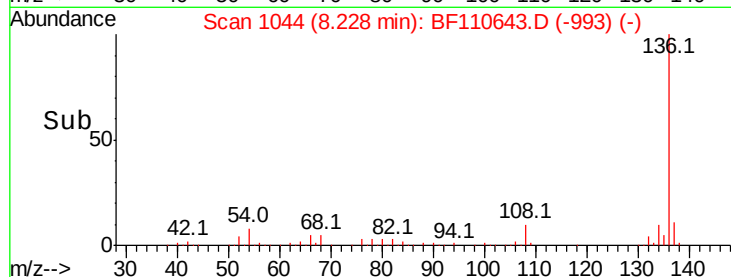
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.5	8.8	13.2	
54	7.7	5.4	8.2	
68	4.7	4.2	6.2	

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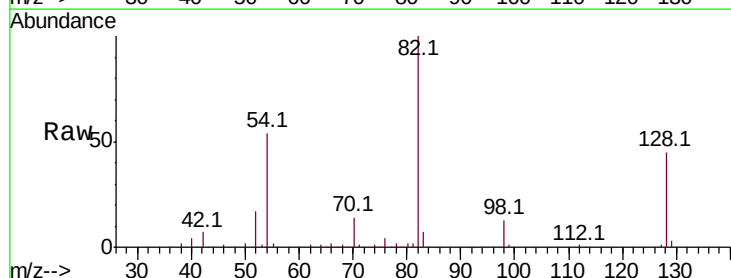


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

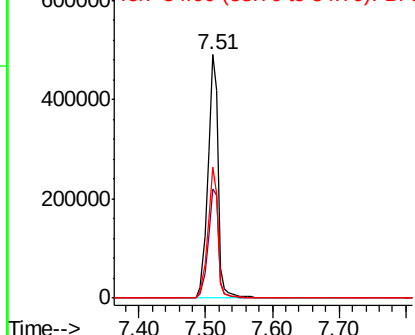
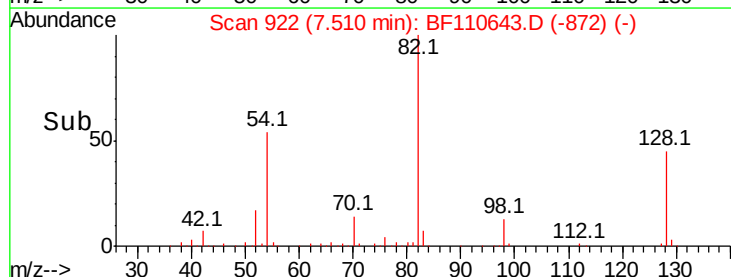


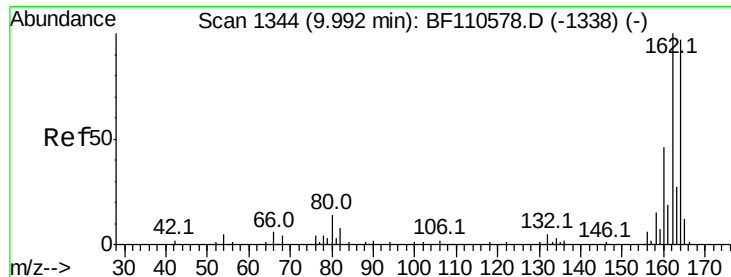
#23
Nitrobenzene-d5
Concen: 74.844 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110643.D
Acq: 9 Nov 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.7	34.2	51.2	
54	53.6	38.6	58.0	



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





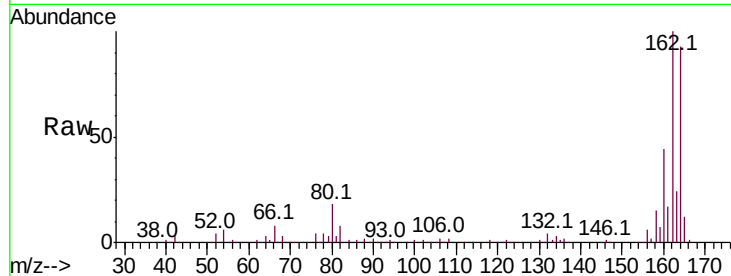
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110643.D
Acq: 9 Nov 2018 22:31

Instrument :
BNA_F
ClientSampleId :
TS-I

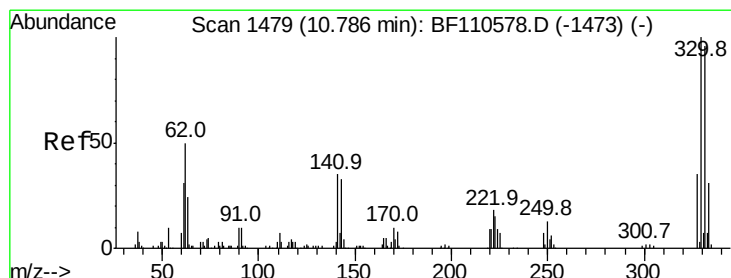
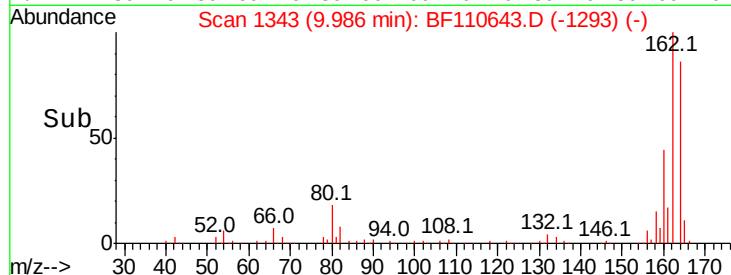
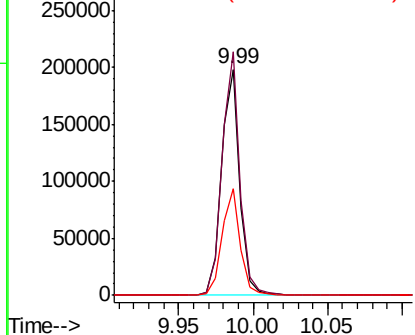
Tot Ion	Ratio	Lower	Upper
164	100		
162	107.8	83.0	124.6
160	47.3	37.0	55.6

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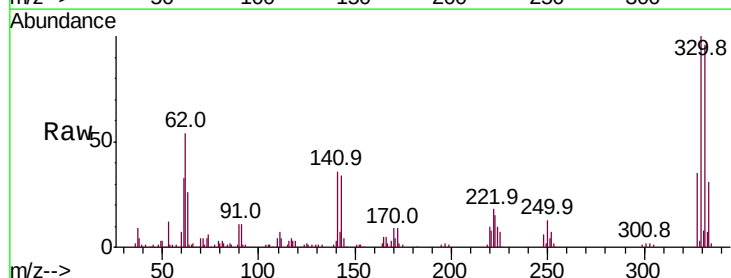


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

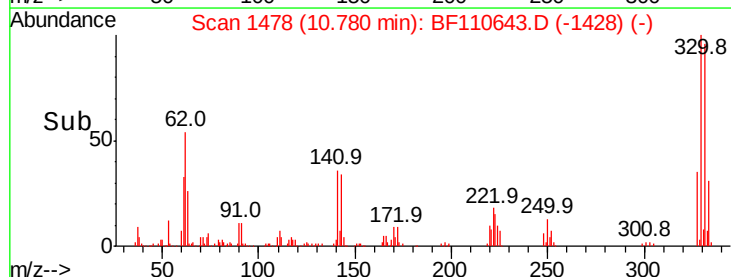
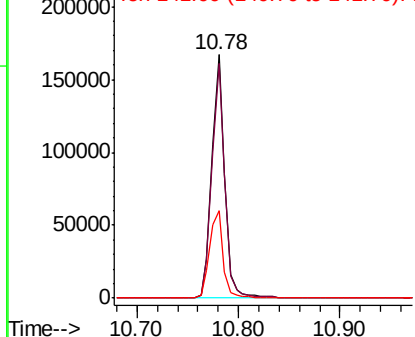


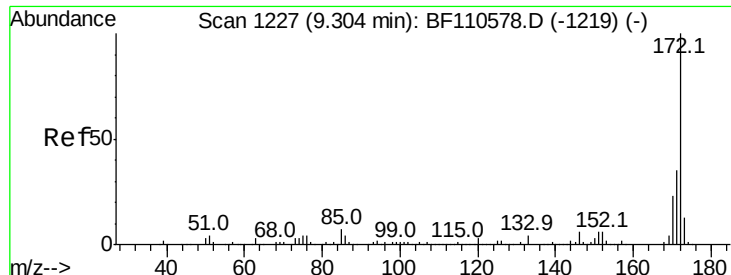
#42
2,4,6-Tribromophenol
Concen: 86.870 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110643.D
Acq: 9 Nov 2018 22:31

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.1	115.7
141	37.8	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





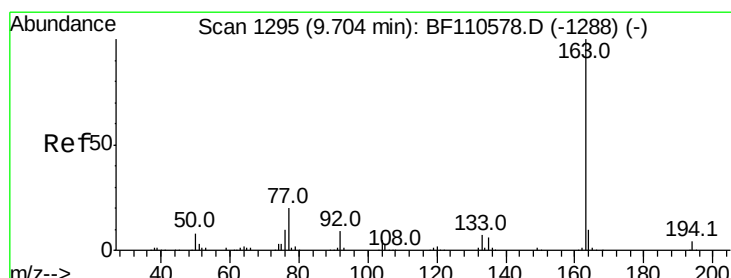
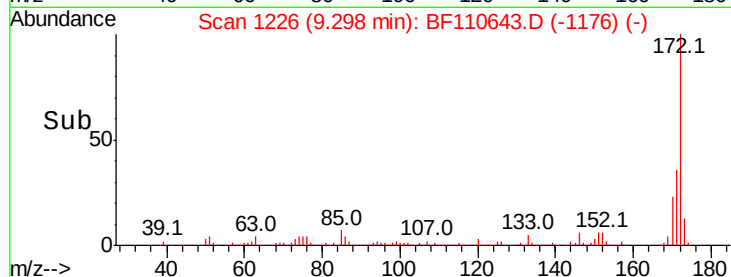
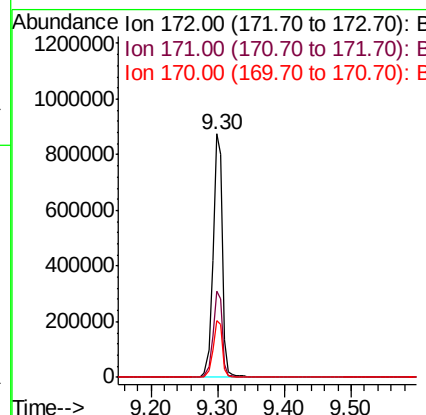
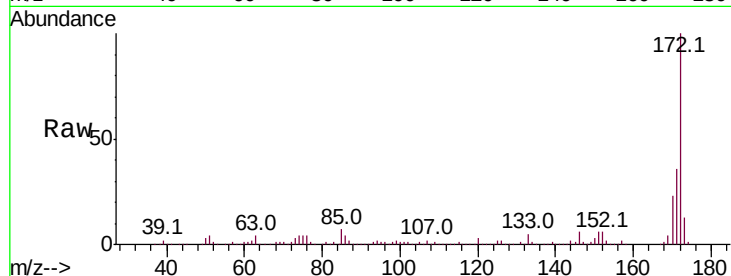
#45
2-Fluorobiphenyl
Concen: 71.512 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110643.D
Acq: 9 Nov 2018 22:31

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Resp	Lower	Upper
172	100	853081		
171	35.6		28.6	43.0
170	23.3		19.7	29.5

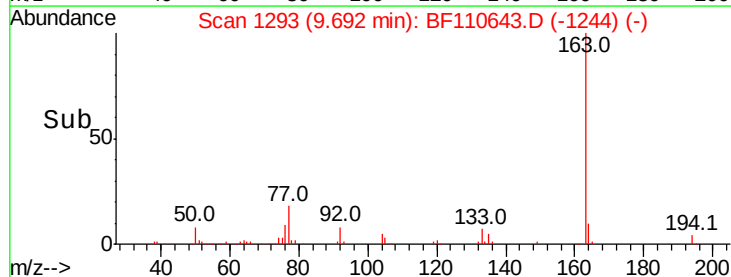
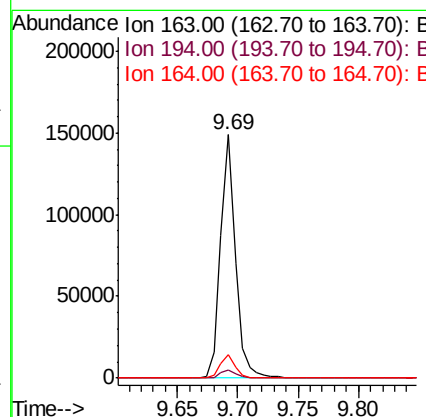
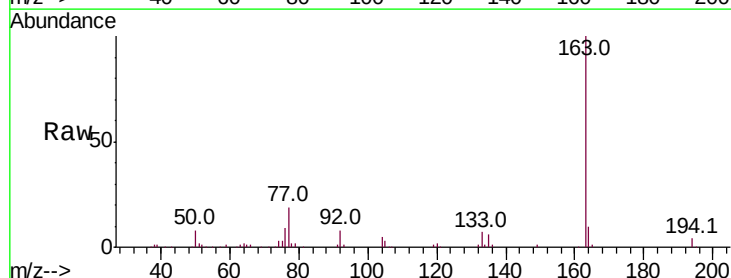
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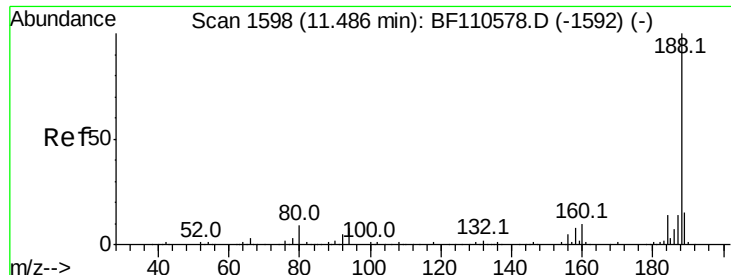
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#50
Dimethylphthalate
Concen: 9.918 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110643.D
Acq: 9 Nov 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	126082		
194	3.6		3.2	4.8
164	9.7		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: BF110643.D

Acq: 9 Nov 2018 22:31

Instrument :

BNA_F

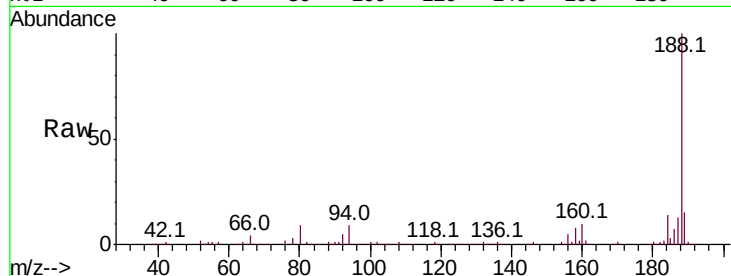
ClientSampleId :

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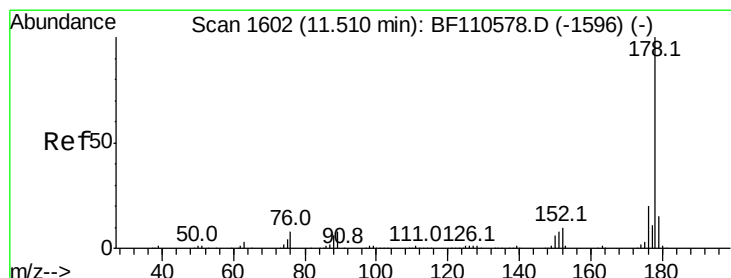
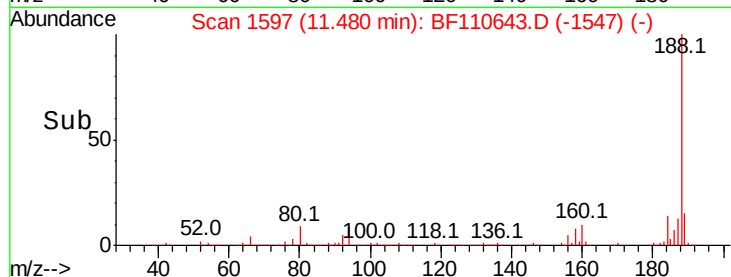
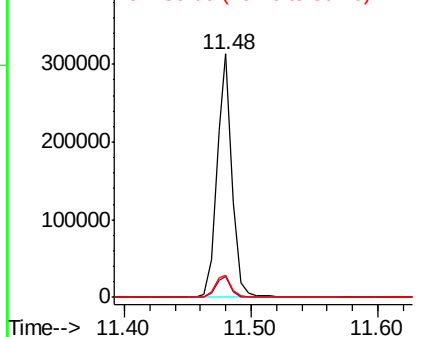
Tot Ion:	188	Resp:	260202
Ion Ratio	Lower	Upper	
188	100		
94	8.7	7.2	10.8
80	9.1	7.9	11.9

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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: 4.913 ng

RT: 11.50 min Scan# 1601

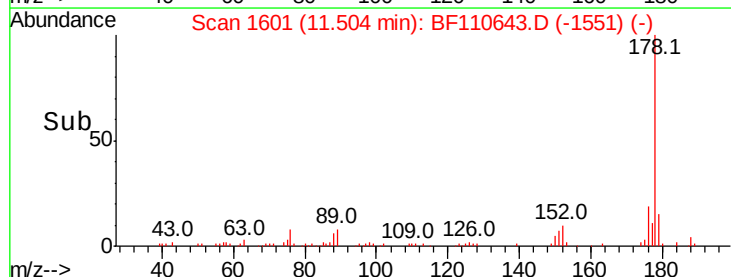
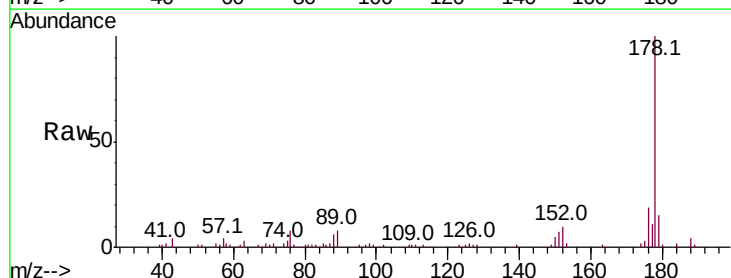
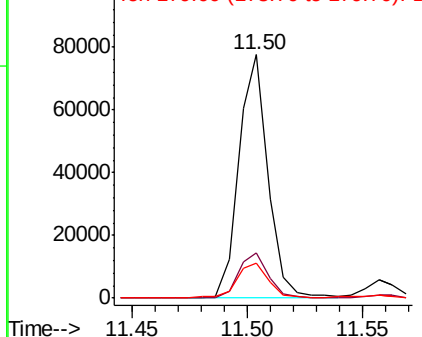
Delta R.T. -0.01 min

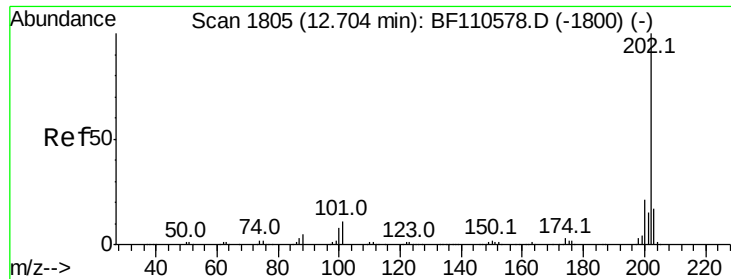
Lab File: BF110643.D

Acq: 9 Nov 2018 22:31

Tgt Ion:	178	Resp:	68490
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.5	23.3
179	14.5	12.5	18.7

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





#75

Fluoranthene

Concen: 10.399 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110643.D

Acq: 9 Nov 2018 22:31

Instrument :

BNA_F

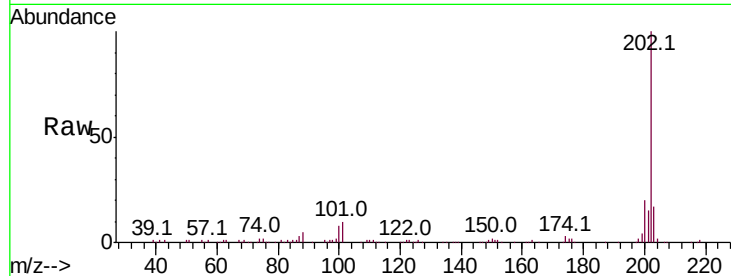
ClientSampleId :

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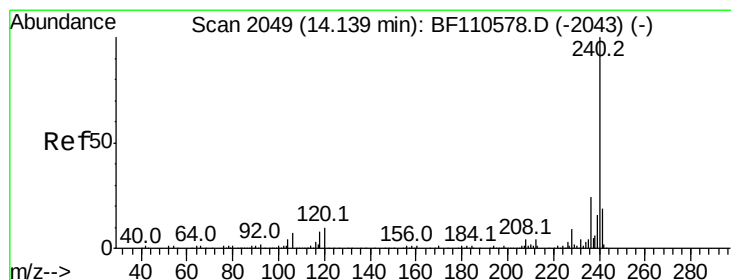
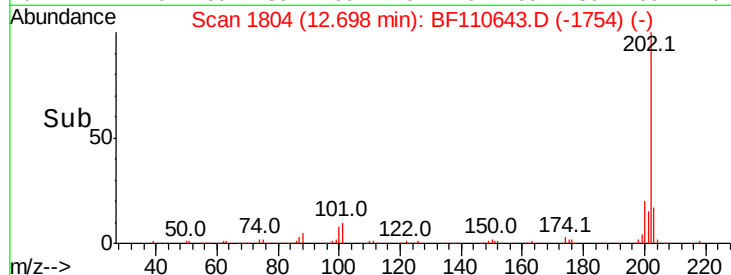
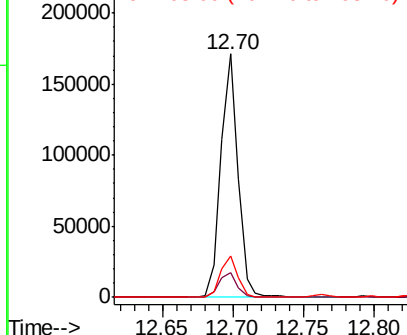
Tot Ion:	202	Resp:	145340
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	31.4
203	16.8	0.0	37.7

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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: 14.13 min Scan# 2047

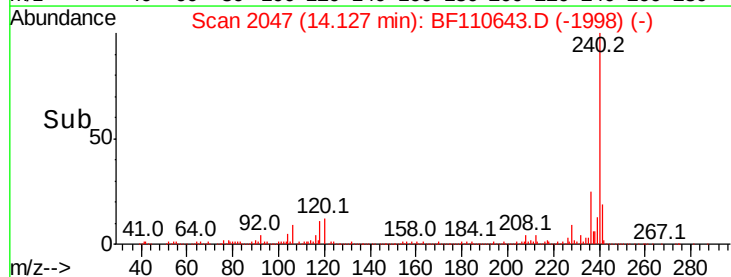
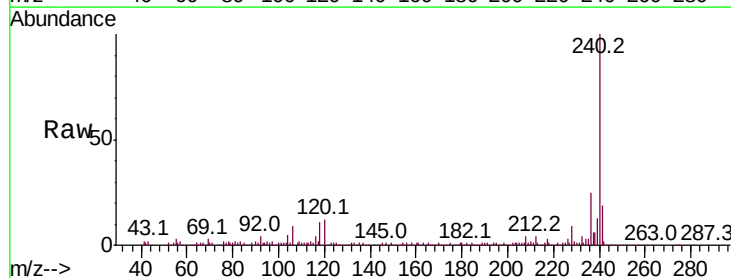
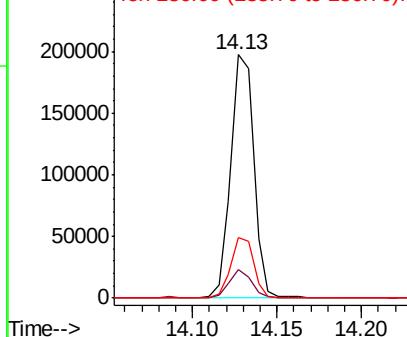
Delta R.T. -0.01 min

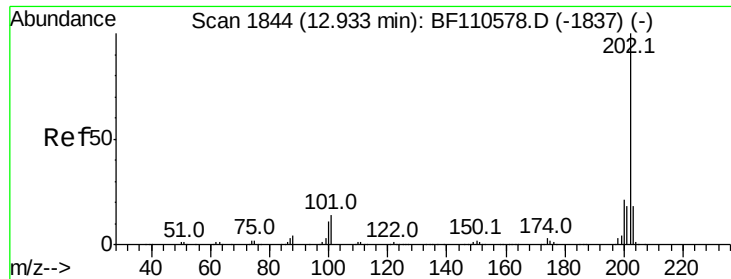
Lab File: BF110643.D

Acq: 9 Nov 2018 22:31

Tgt Ion:	240	Resp:	187419
Ion Ratio	Lower	Upper	
240	100		
120	11.8	8.3	12.5
236	25.0	21.2	31.8

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: 7.828 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF110643.D

Acq: 9 Nov 2018 22:31

Instrument :

BNA_F

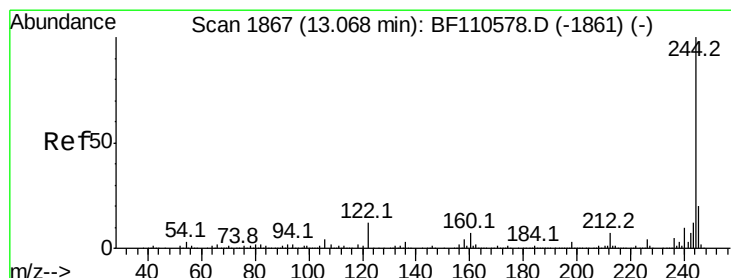
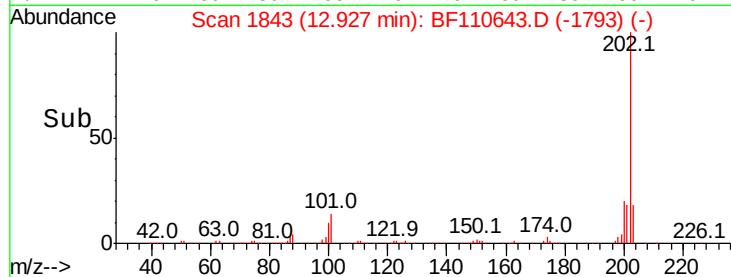
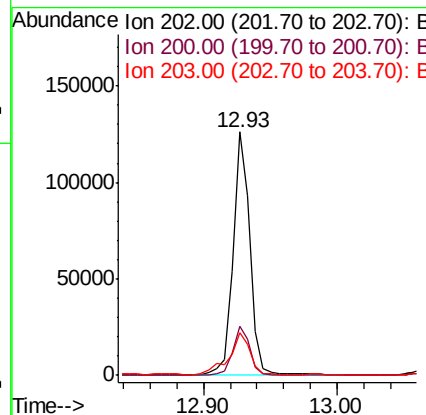
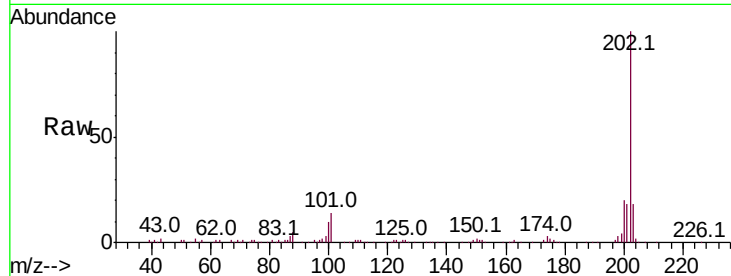
ClientSampled :

TS-I

Tot Ion:	202	Resp:	112958
Ion Ratio	Lower	Upper	
202	100		
200	20.4	17.8	26.6
203	17.6	14.2	21.4

Manual Integrations
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#79

Terphenyl-d14

Concen: 55.458 ng

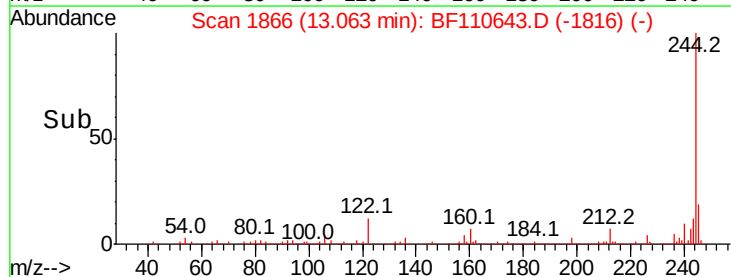
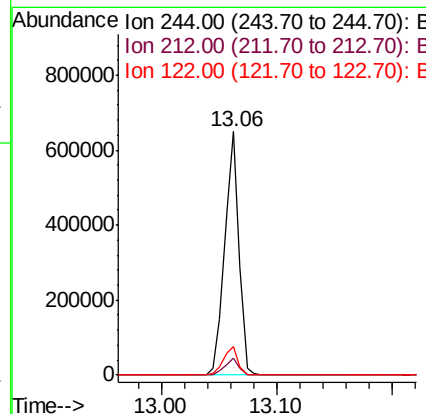
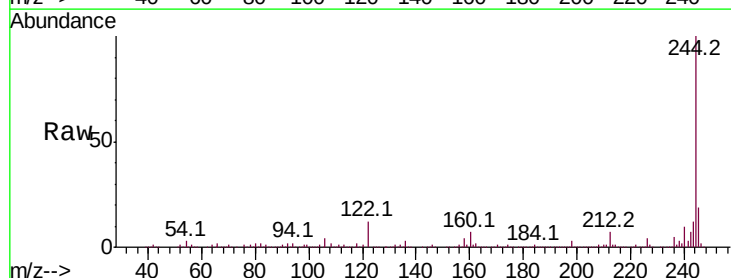
RT: 13.06 min Scan# 1866

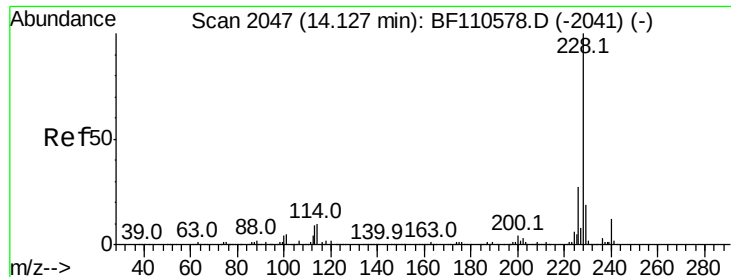
Delta R.T. -0.01 min

Lab File: BF110643.D

Acq: 9 Nov 2018 22:31

Tgt Ion:	244	Resp:	555006
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.8	8.8
122	11.7	8.7	13.1





#81

Benzo(a)anthracene

Concen: 4.329 ng

RT: 14.12 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BF110643.D

Acq: 9 Nov 2018 22:31

Instrument :

BNA_F

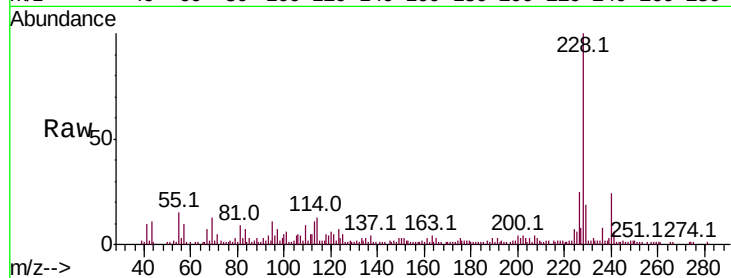
ClientSampled :

TS-I

Tot Ion:	228	Resp:	48500
Ion Ratio	Lower	Upper	
228	100		
226	25.3	22.1	33.1
229	18.9	15.6	23.4

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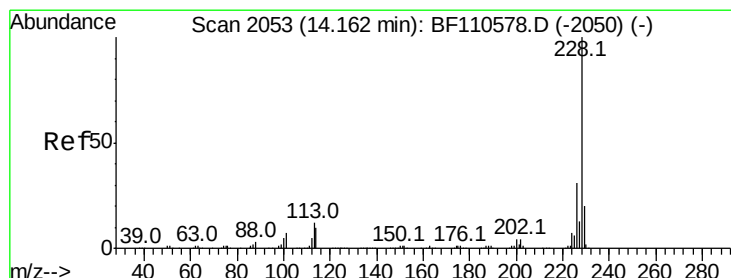
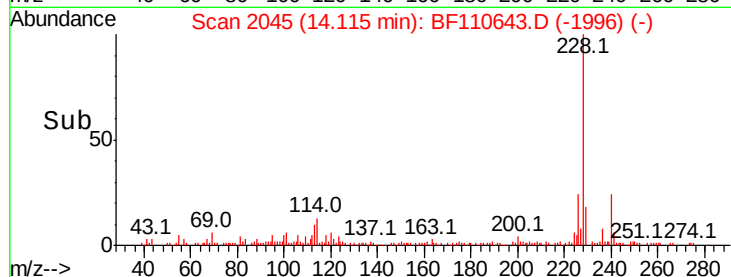
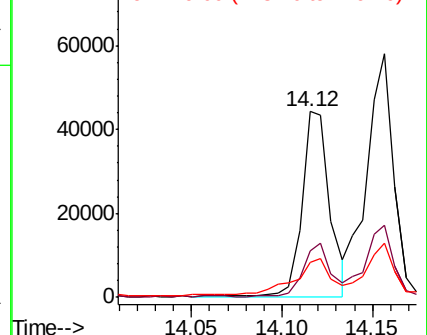


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 5.660 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110643.D

Acq: 9 Nov 2018 22:31

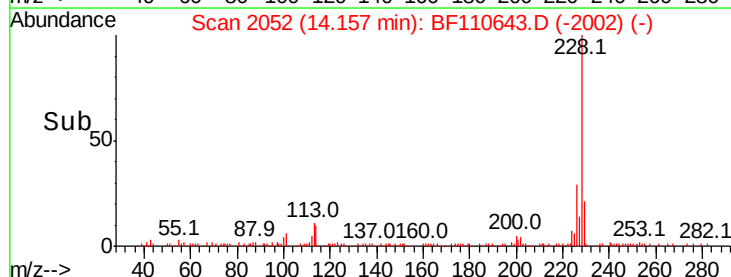
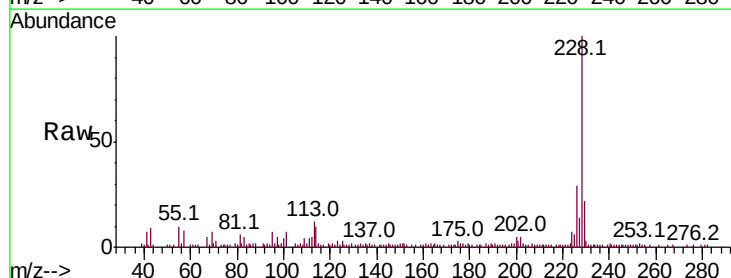
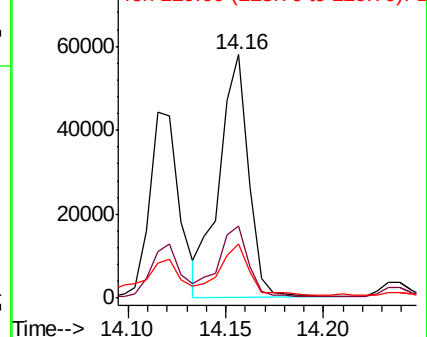
Tgt Ion:	228	Resp:	60401
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.7	37.1
229	22.1	15.9	23.9

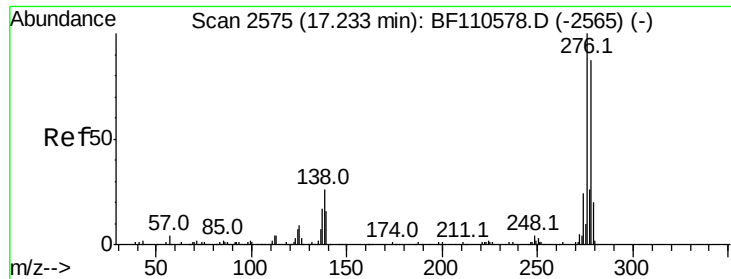
Abundance

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





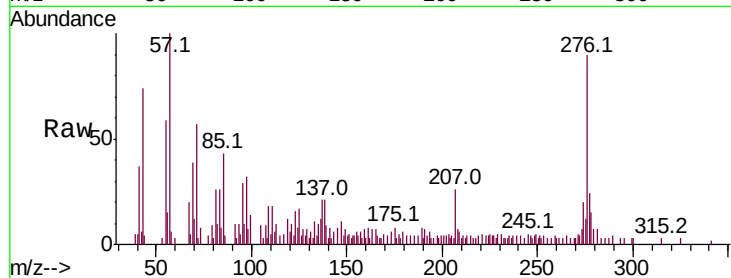
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.020 ng
 RT: 17.22 min Scan# 2573
 Delta R.T. -0.01 min
 Lab File: BF110643.D
 Acq: 9 Nov 2018 22:31

Instrument :
 BNA_F
 ClientSampled :
 TS-I

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	18.5	27.7
277	33.3	20.0	30.0

Manual Integrations
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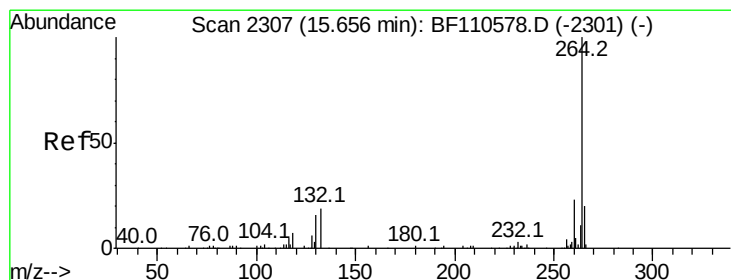
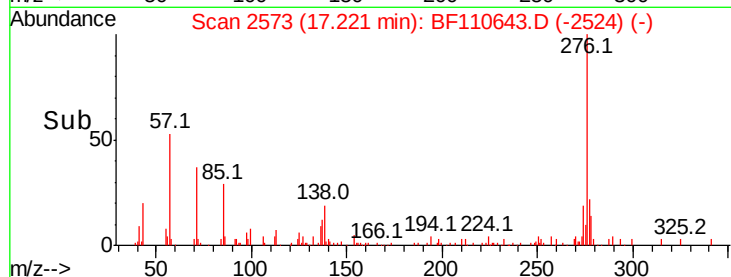
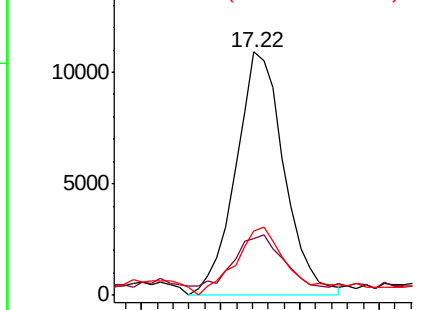


Abundance

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: 15.66 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: BF110643.D
 Acq: 9 Nov 2018 22:31

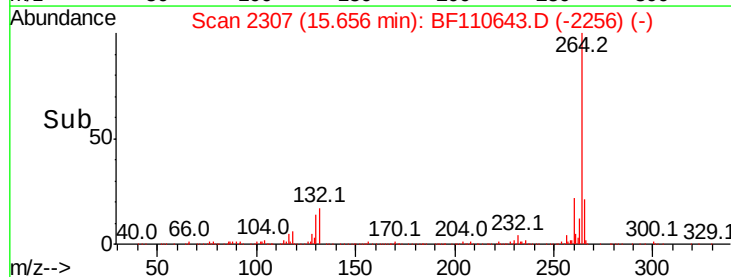
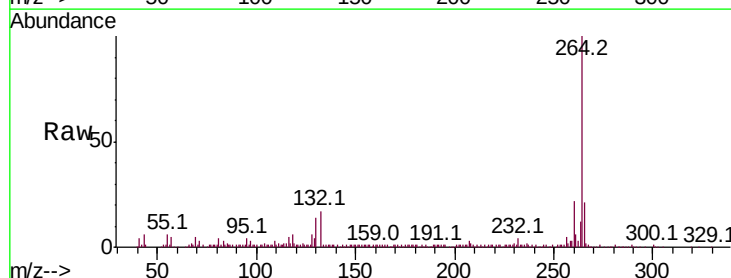
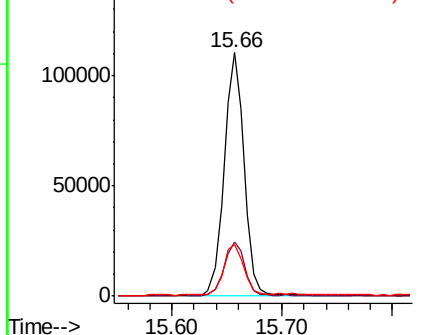
Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.7	28.1
265	21.3	16.7	25.1

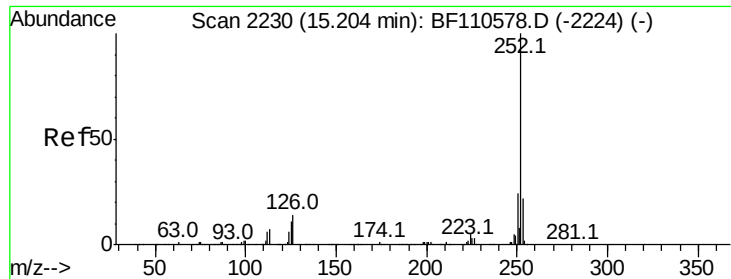
Abundance

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





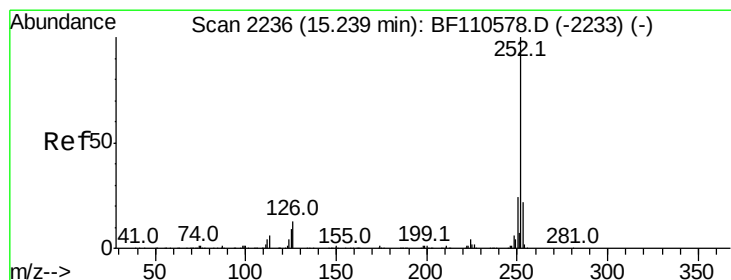
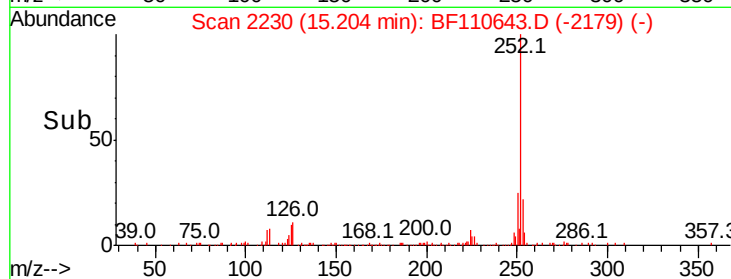
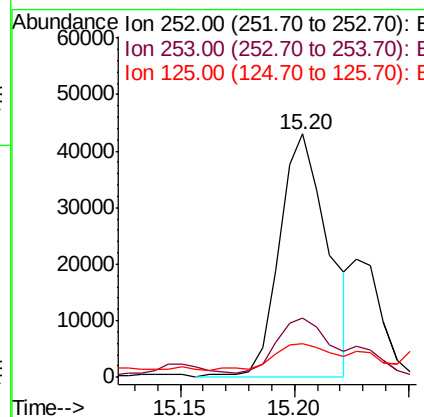
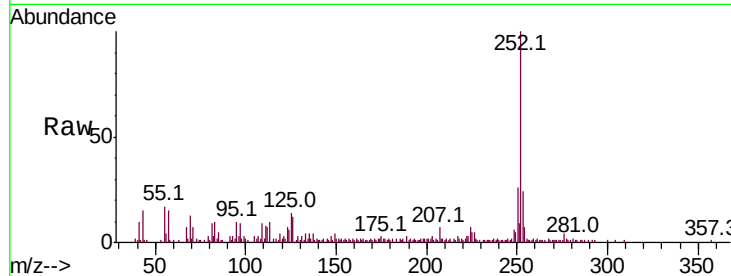
#88
Benzo(b)fluoranthene
Concen: 7.618 ng m
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110643.D
Acq: 9 Nov 2018 22:31

Instrument :
BNA_F
ClientSampled :
TS-I

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.2	25.8
125	13.6	8.2	12.4

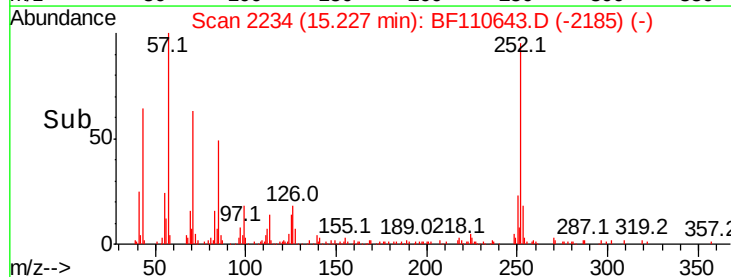
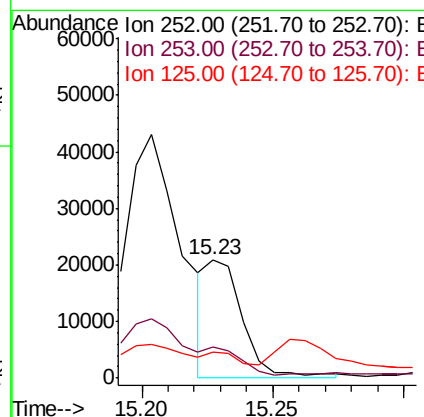
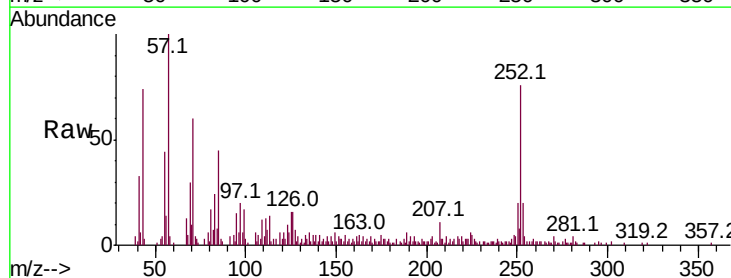
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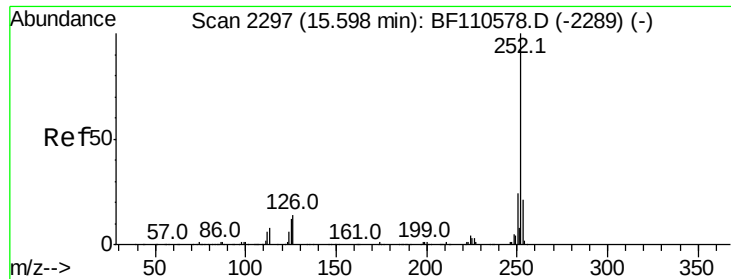
Sohil
11/12/2018 10:30:19 AM



#89
Benzo(k)fluoranthene
Concen: 2.467 ng m
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF110643.D
Acq: 9 Nov 2018 22:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.2	25.8
125	21.5	7.4	11.0





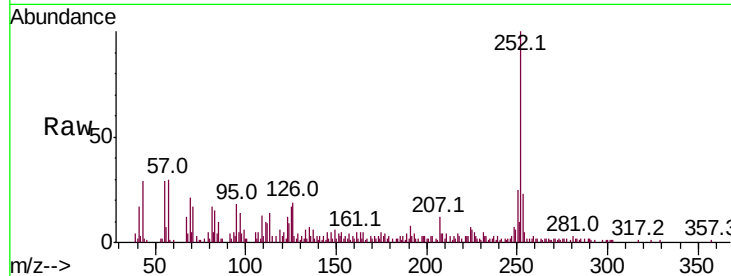
#90
Benzo(a)pyrene
Concen: 4.345 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110643.D
Acq: 9 Nov 2018 22:31

Instrument :
BNA_F
ClientSampled :
TS-I

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.4
125	17.3	9.0	13.6

Manual Integrations
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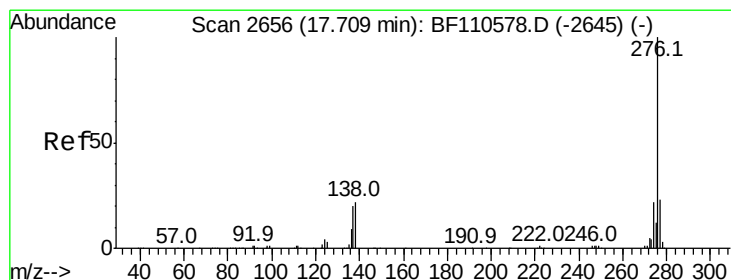
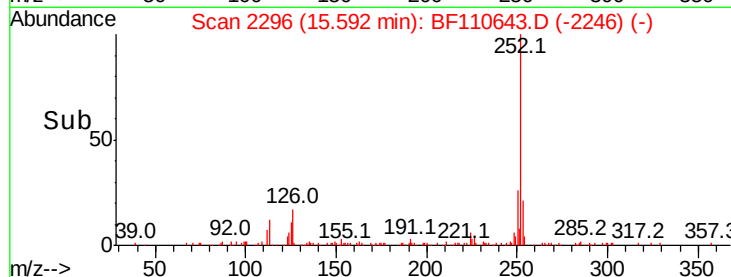
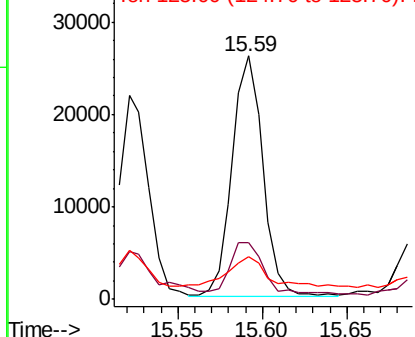


Abundance

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



#92
Benzo(g,h,i)perylene
Concen: 3.304 ng
RT: 17.71 min Scan# 2656
Delta R.T. 0.00 min
Lab File: BF110643.D
Acq: 9 Nov 2018 22:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.5	18.8	28.2
138	26.7	16.0	24.0

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

