

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110518\
 Data File : BF110483.D
 Acq On : 6 Nov 2018 00:25
 Operator : JU/SJ
 Sample : J5759-21DL 100X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6DL

Manual Integrations
 APPROVED

Sohil
 11/6/2018 9:01:21 AM

Quant Time: Nov 06 05:06:13 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	92372	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	403752	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	166011	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	249190	20.00	ng	0.00
76) Chrysene-d12	14.13	240	180660	20.00	ng	0.00
87) Perylene-d12	15.66	264	142539	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	4027	0.71	ng	0.01
7) Phenol-d6	6.61	99	5694	0.78	ng	0.03
23) Nitrobenzene-d5	7.53	82	3635	0.53	ng	0.01
42) 2,4,6-Tribromophenol	10.80	330	934	0.57	ng	0.00
45) 2-Fluorobiphenyl	9.32	172	8859	0.84	ng	0.00
79) Terphenyl-d14	13.06	244	6073	0.70	ng	-0.01
Target Compounds						
71) Phenanthrene	11.51	178	341542	26.194	ng	99
72) Anthracene	11.57	178	70328	5.381	ng	97
75) Fluoranthene	12.70	202	362063	27.361	ng	99
78) Pyrene	12.94	202	480024	37.062	ng	99
81) Benzo(a)anthracene	14.12	228	175417	16.373	ng	98
83) Chrysene	14.16	228	161542	15.875	ng	100
86) Indeno(1,2,3-cd)pyrene	17.22	276	50162	5.942	ng	99
88) Benzo(b)fluoranthene	15.20	252	129500m	15.733	ng	
89) Benzo(k)fluoranthene	15.23	252	47212m	5.834	ng	
90) Benzo(a)pyrene	15.59	252	107545	14.199	ng	96
92) Benzo(g,h,i)perylene	17.70	276	53735	8.344	ng	96

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

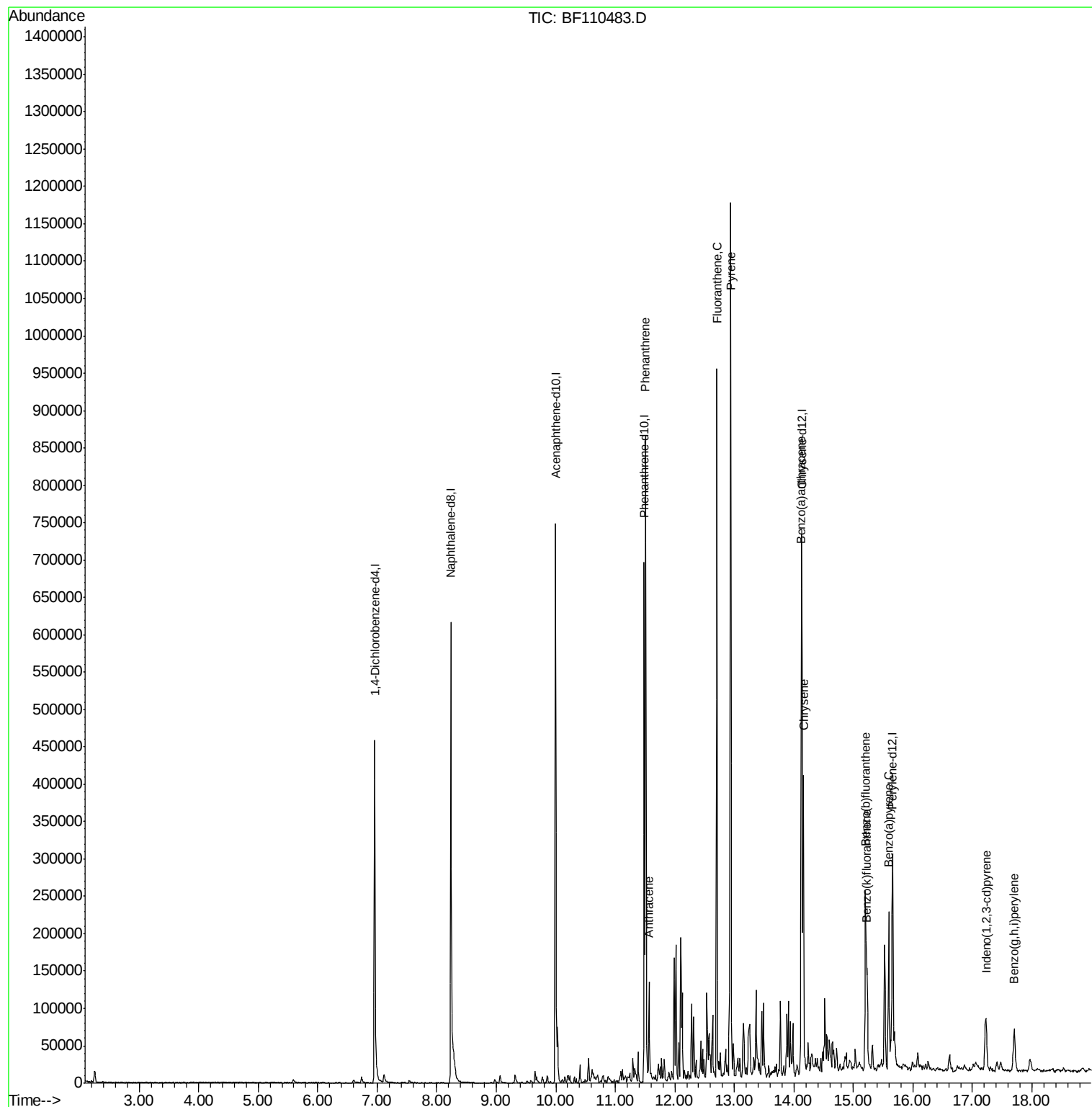
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110518\
Data File : BF110483.D
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Operator : JU/SJ
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Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
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TP-6DL

Manual Integrations
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

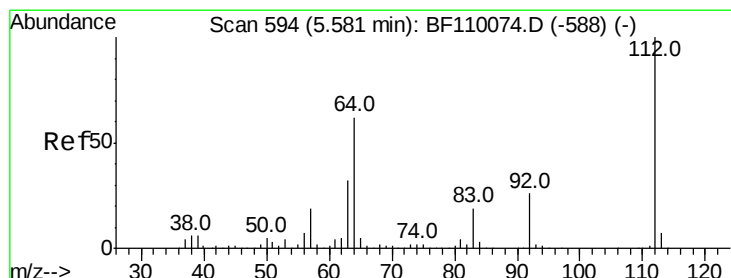
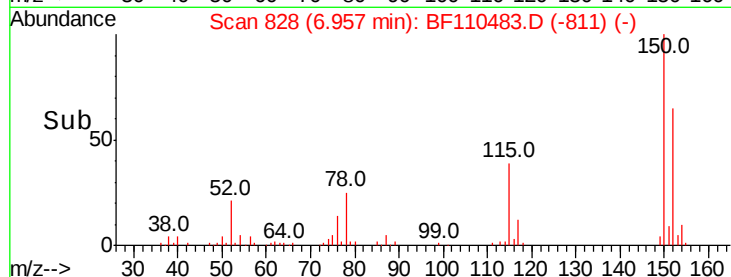
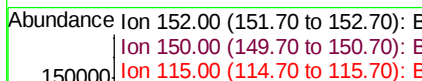
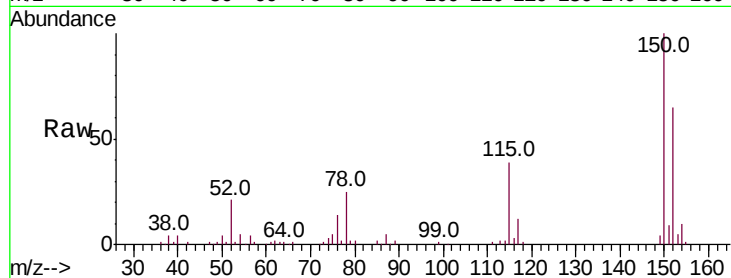
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF110483.D
Acq: 6 Nov 2018 00:25

Instrument :
BNA_F
ClientSampleId :
TP-6DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	122.7	184.1
115	59.8	49.1	73.7

Manual Integrations
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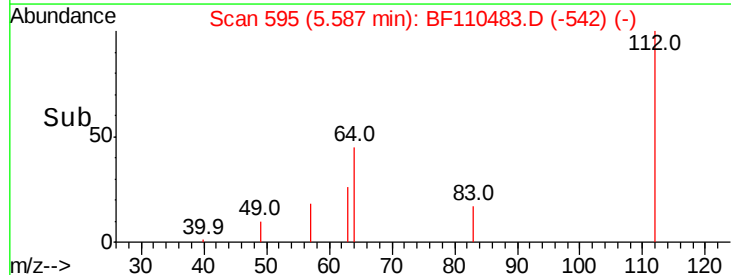
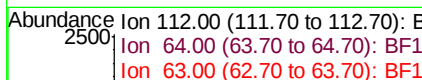
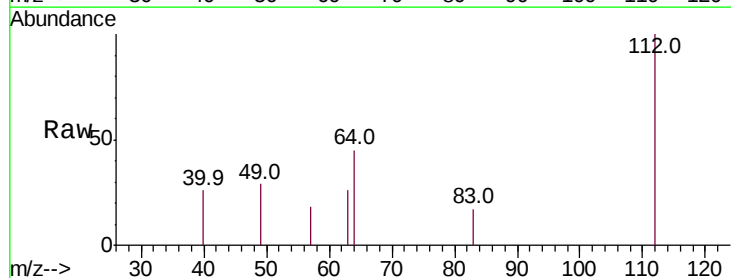
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#5

2-Fluorophenol
Concen: 0.710 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.01 min
Lab File: BF110483.D
Acq: 6 Nov 2018 00:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.5	44.1	66.1
63	25.6	23.7	35.5





#7

Phenol-d6

Concen: 0.785 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.03 min

Lab File: BF110483.D

Acq: 6 Nov 2018 00:25

Instrument :

BNA_F

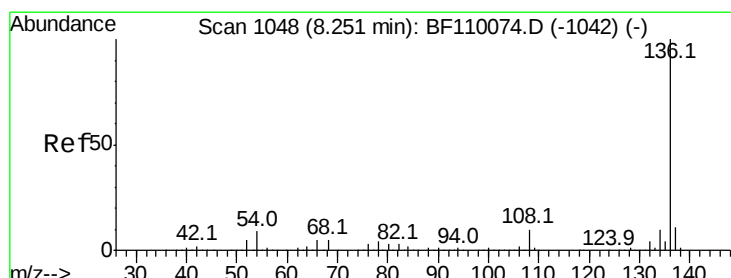
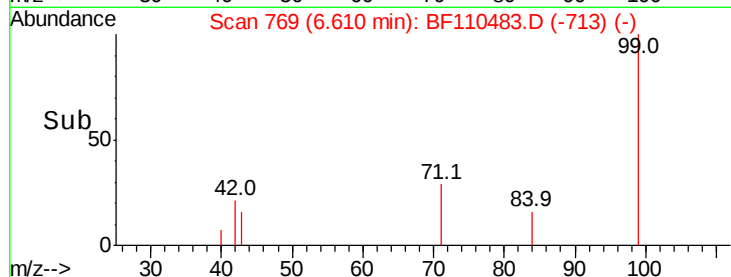
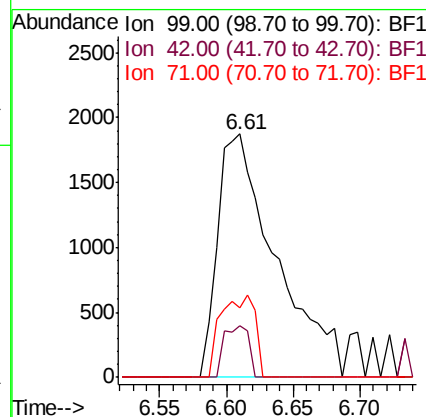
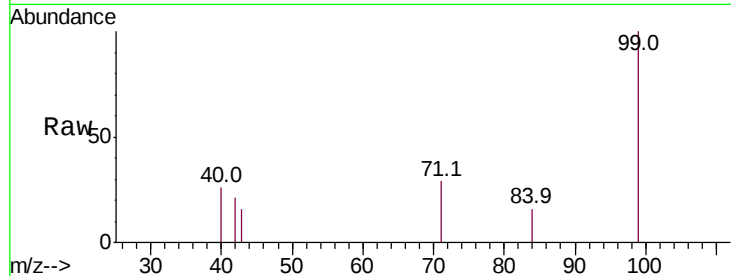
ClientSampled :

TP-6DL

Tot Ion:	99	Resp:	5694
Ion	Ratio	Lower	Upper
99	100		
42	21.0	15.8	23.6
71	28.6	28.0	42.0

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#21

Naphthalene-d8

Concen: 20.000 ng

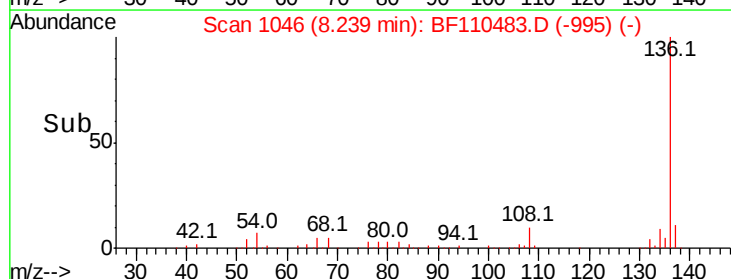
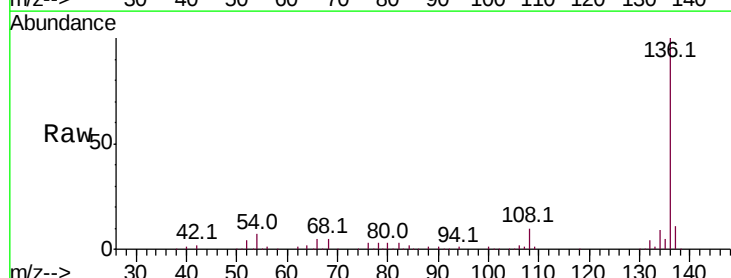
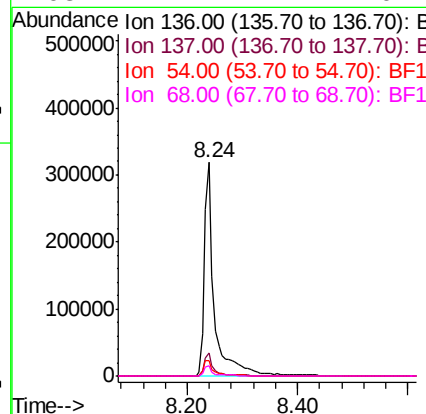
RT: 8.24 min Scan# 1046

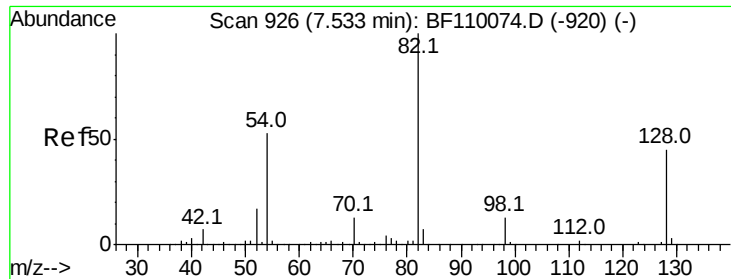
Delta R.T. 0.00 min

Lab File: BF110483.D

Acq: 6 Nov 2018 00:25

Tgt Ion:	136	Resp:	403752
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.2	5.4	8.2
68	4.7	4.2	6.2





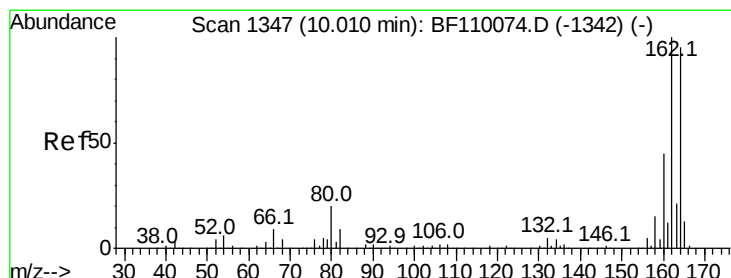
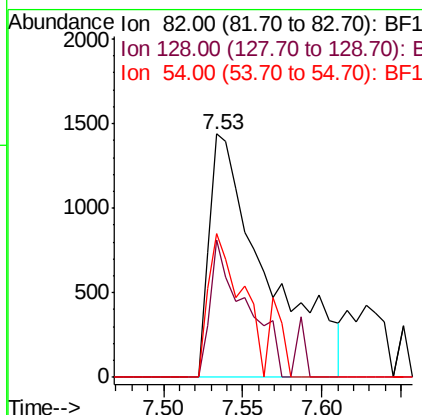
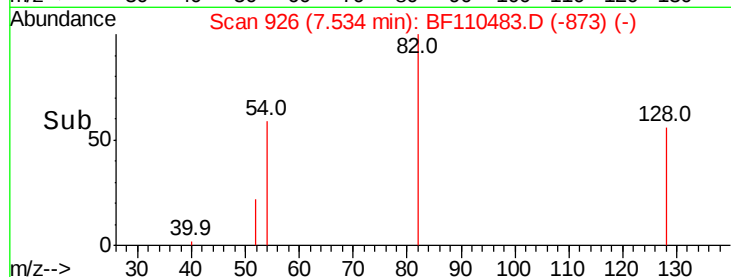
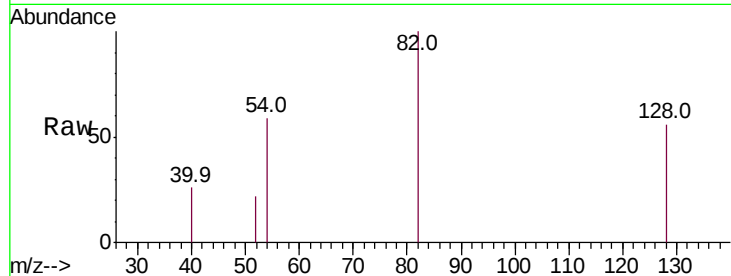
#23
Nitrobenzene-d5
Concen: 0.534 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.01 min
Lab File: BF110483.D
Acq: 6 Nov 2018 00:25

Instrument :
BNA_F
ClientSampled :
TP-6DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	56.5	34.2	51.2#
54	59.0	38.6	58.0#

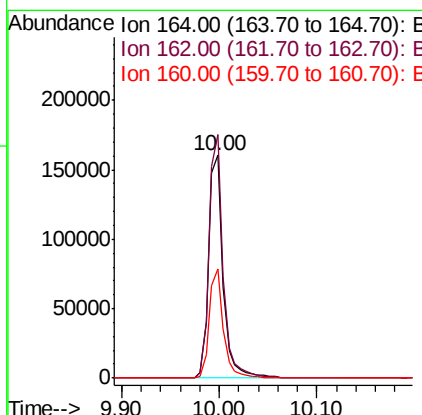
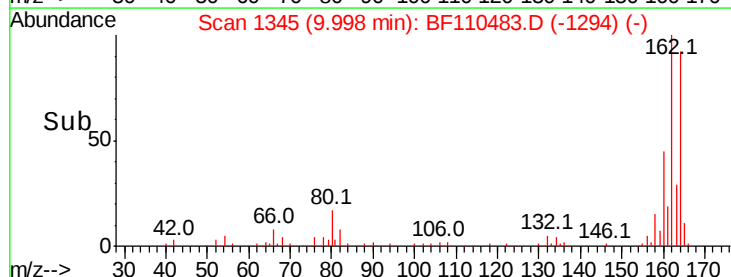
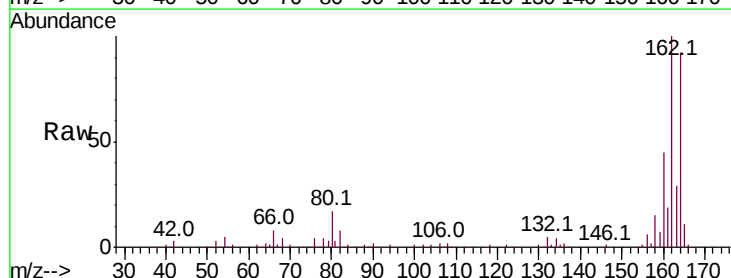
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.00 min
Lab File: BF110483.D
Acq: 6 Nov 2018 00:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	109.2	83.0	124.6
160	48.9	37.0	55.6





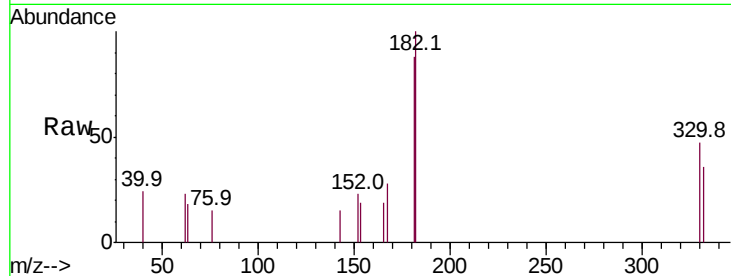
#42
 2,4,6-Tribromophenol
 Concen: 0.568 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. 0.01 min
 Lab File: BF110483.D
 Acq: 6 Nov 2018 00:25

Instrument :
 BNA_F
 ClientSampled :
 TP-6DL

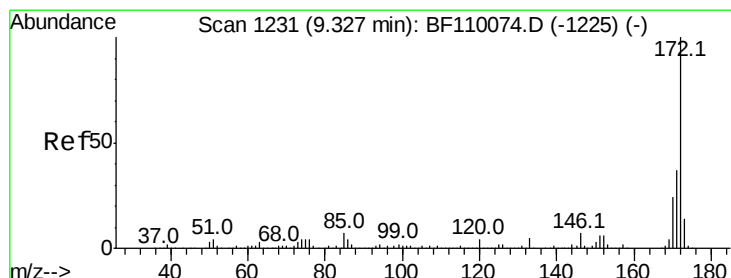
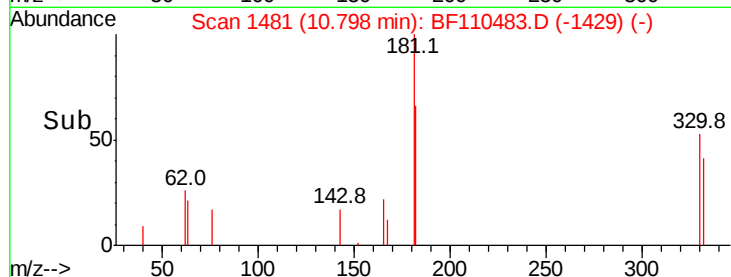
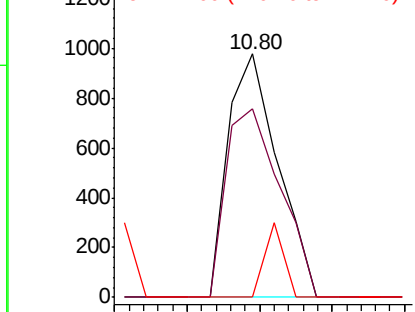
Tot Ion:330 Resp: 934
 Ion Ratio Lower Upper
 330 100
 332 84.7 77.1 115.7
 141 11.3 27.0 40.4#

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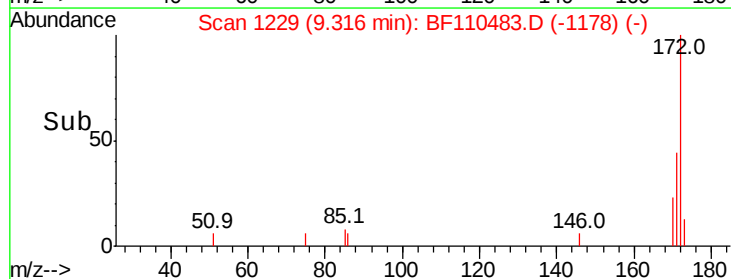
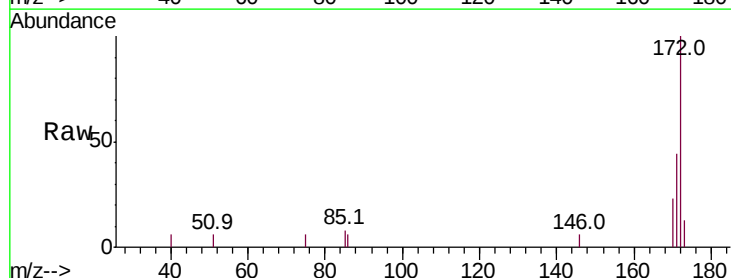
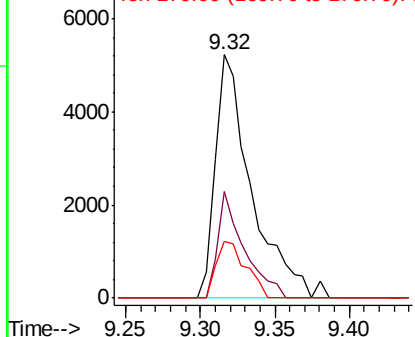
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

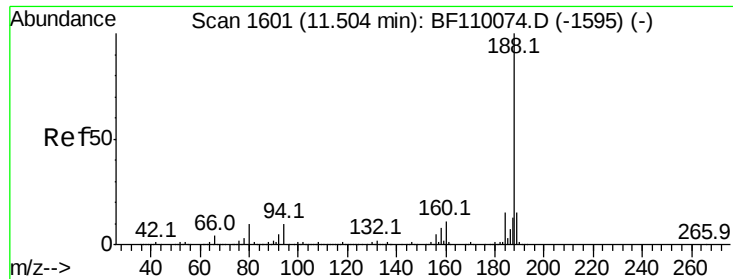


#45
 2-Fluorobiphenyl
 Concen: 0.838 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: BF110483.D
 Acq: 6 Nov 2018 00:25

Tgt Ion:172 Resp: 8859
 Ion Ratio Lower Upper
 172 100
 171 43.7 28.6 43.0#
 170 23.4 19.7 29.5

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: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF110483.D

Acq: 6 Nov 2018 00:25

Instrument :

BNA_F

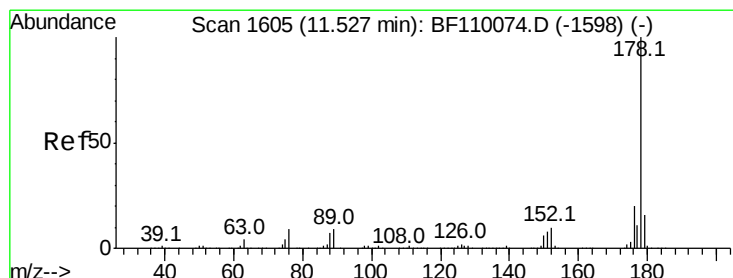
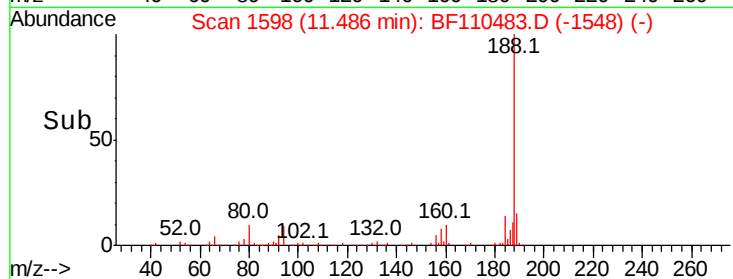
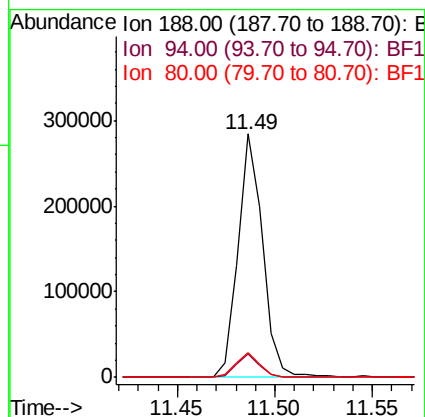
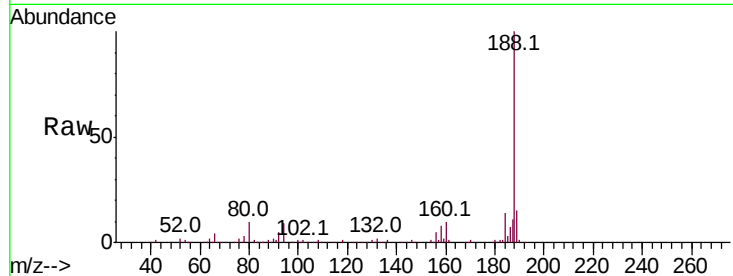
ClientSampled :

TP-6DL

Tot Ion:188	Resp: 249190
Ion Ratio	Lower Upper
188 100	
94 9.4	7.2 10.8
80 10.0	7.9 11.9

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#71

Phenanthrene

Concen: 26.194 ng

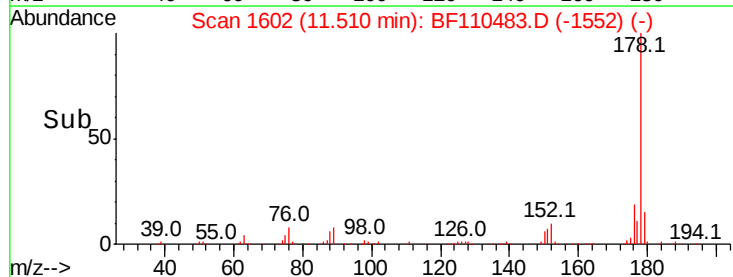
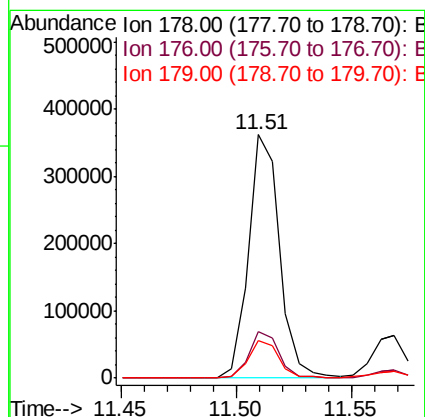
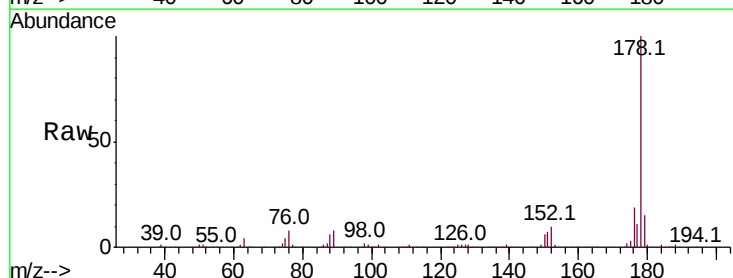
RT: 11.51 min Scan# 1602

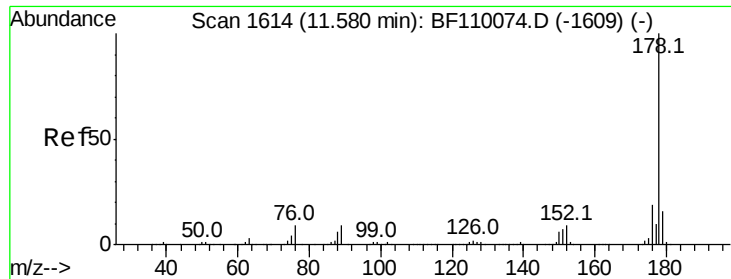
Delta R.T. -0.01 min

Lab File: BF110483.D

Acq: 6 Nov 2018 00:25

Tgt Ion:178	Resp: 341542
Ion Ratio	Lower Upper
178 100	
176 19.0	15.5 23.3
179 15.2	12.5 18.7





#72

Anthracene

Concen: 5.381 ng

RT: 11.57 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BF110483.D

Acq: 6 Nov 2018 00:25

Instrument :

BNA_F

ClientSampled :

TP-6DL

Tot Ion:178 Resp: 70328

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.2

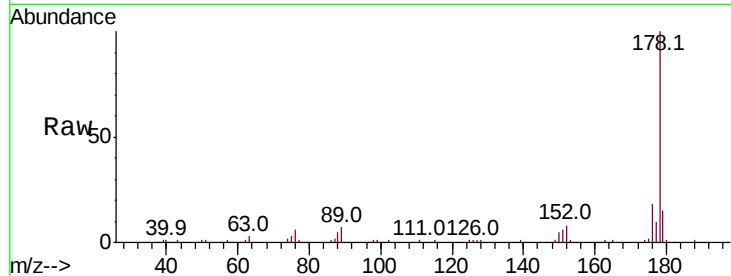
179 14.7 12.6 18.8

Manual Integrations

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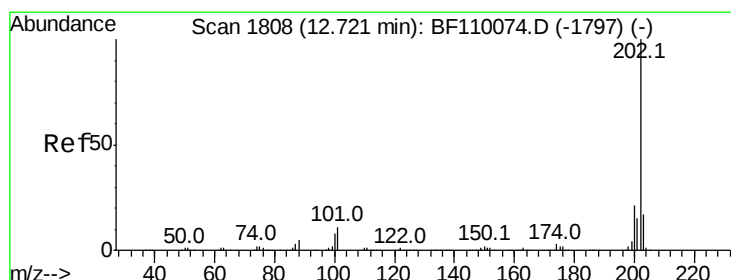
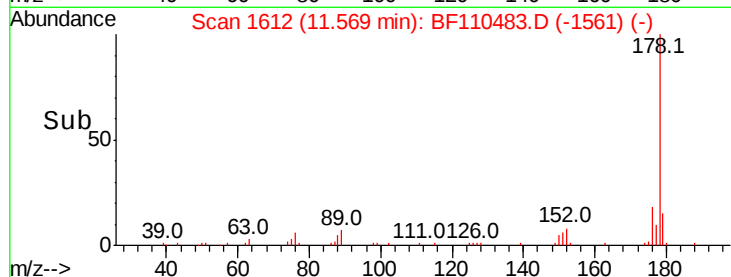
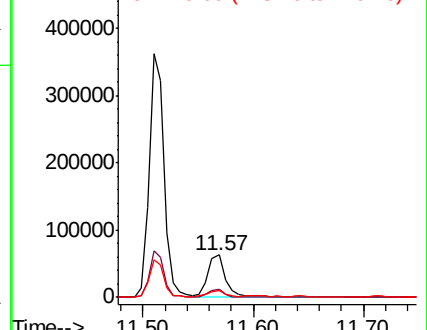
11/6/2018 9:01:21 AM



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: 27.361 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF110483.D

Acq: 6 Nov 2018 00:25

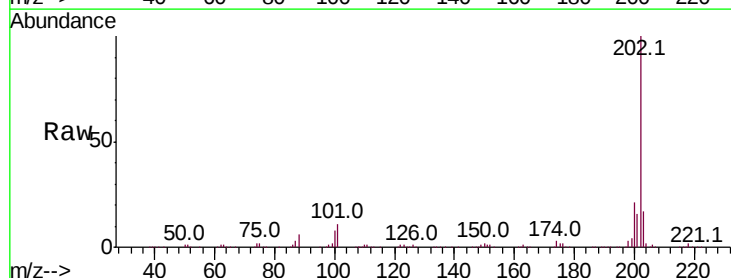
Tgt Ion:202 Resp: 362063

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.4

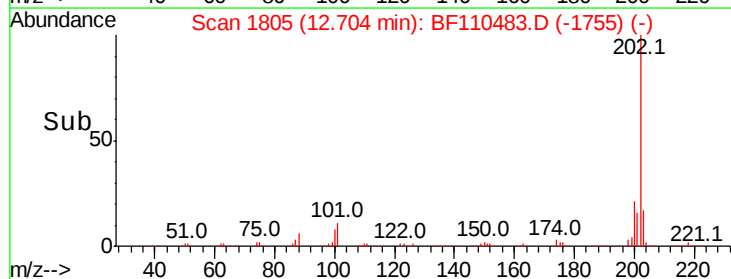
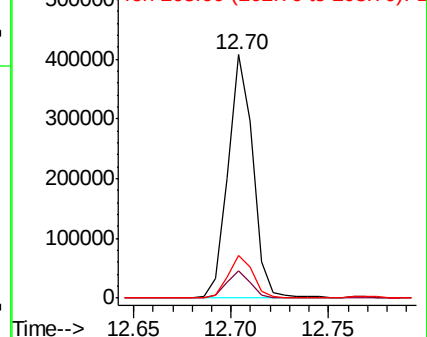
203 17.4 0.0 37.7

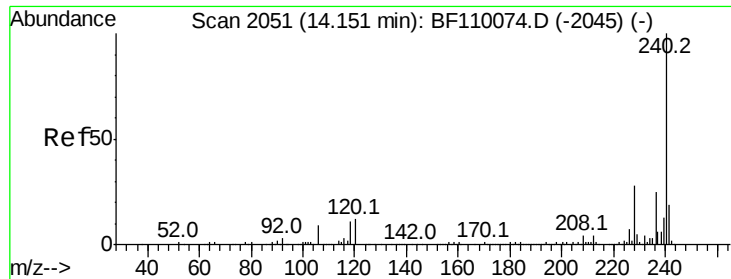


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





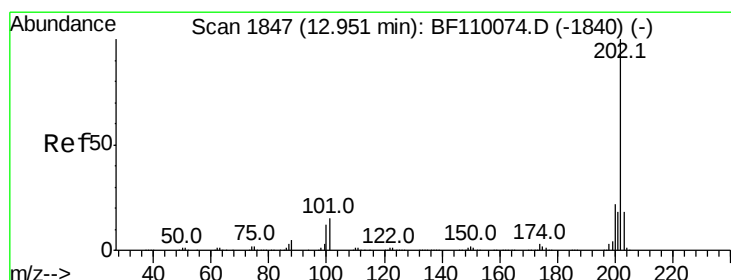
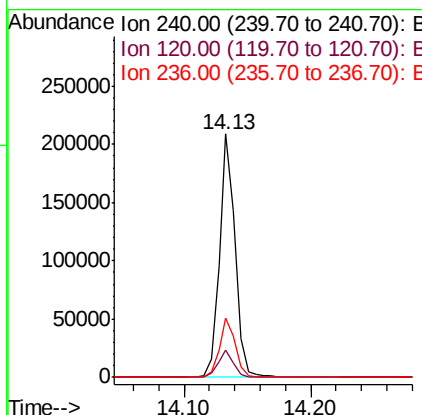
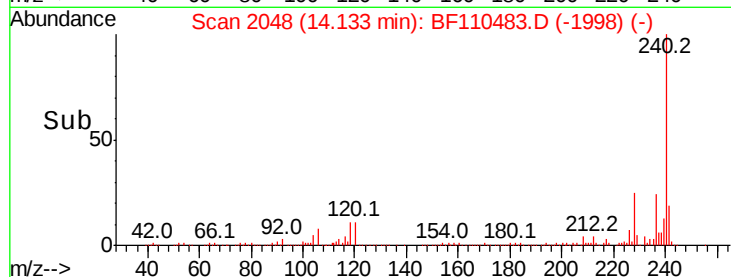
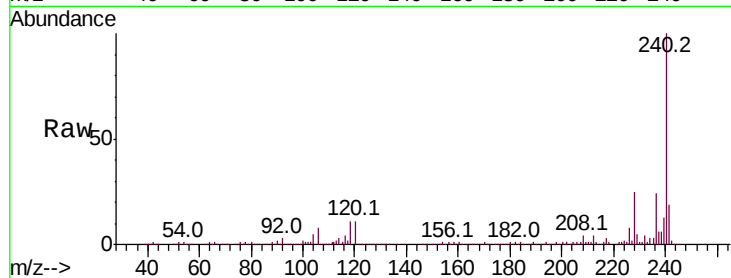
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110483.D
Acq: 6 Nov 2018 00:25

Instrument :
BNA_F
ClientSampled :
TP-6DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.3	12.5
236	24.4	21.2	31.8

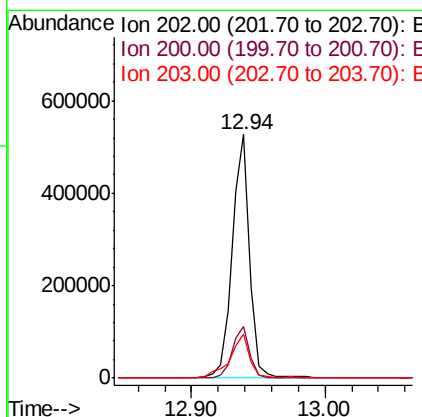
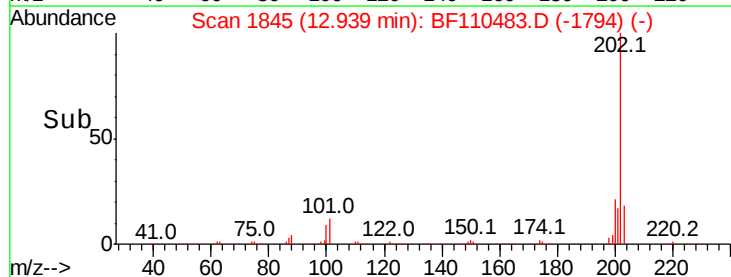
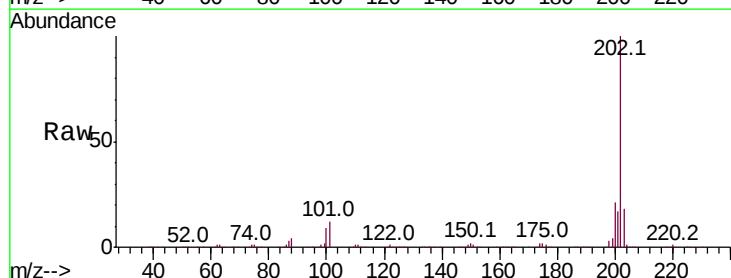
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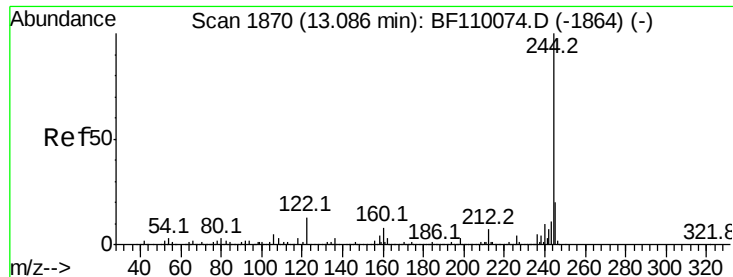
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#78
Pyrene
Concen: 37.062 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF110483.D
Acq: 6 Nov 2018 00:25

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.6
203	18.0	14.2	21.4





#79

Terphenyl-d14

Concen: 0.699 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110483.D

Acq: 6 Nov 2018 00:25

Instrument :

BNA_F

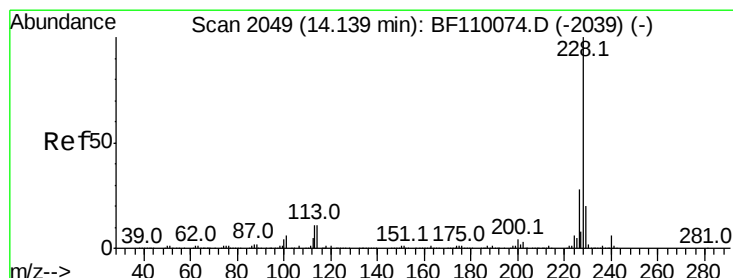
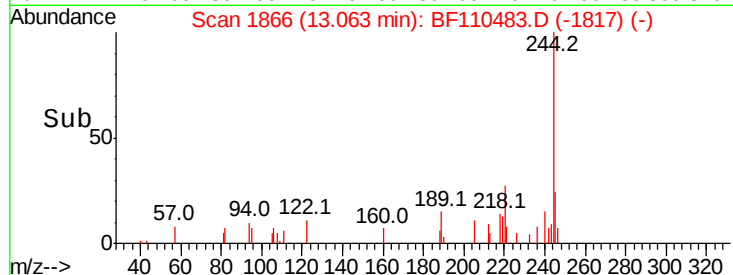
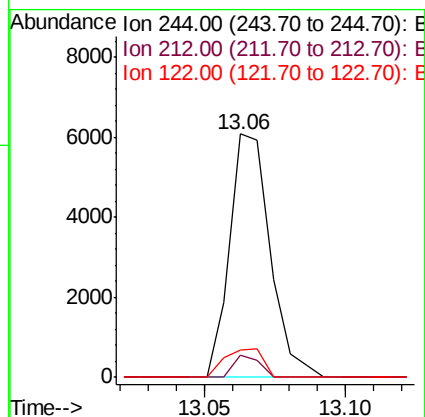
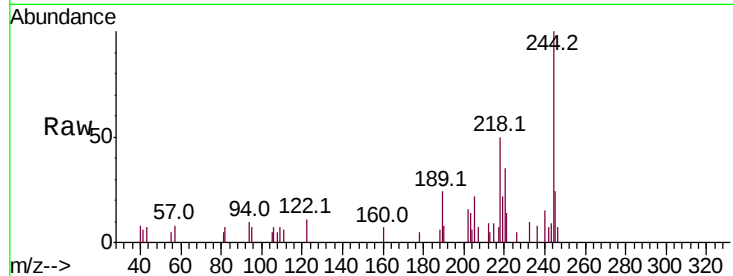
ClientSampled :

TP-6DL

Tot Ion:	244	Resp:	6073
Ion Ratio	Lower	Upper	
244	100		
212	8.9	5.8	8.8#
122	11.0	8.7	13.1

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#81

Benzo(a)anthracene

Concen: 16.373 ng

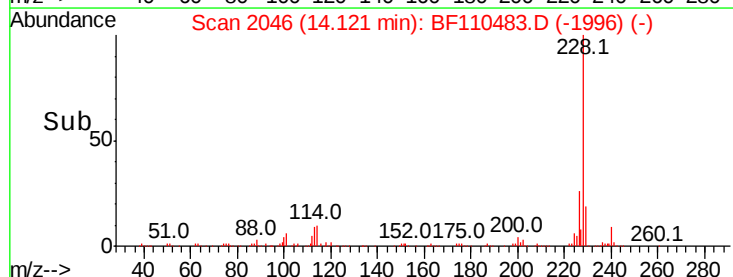
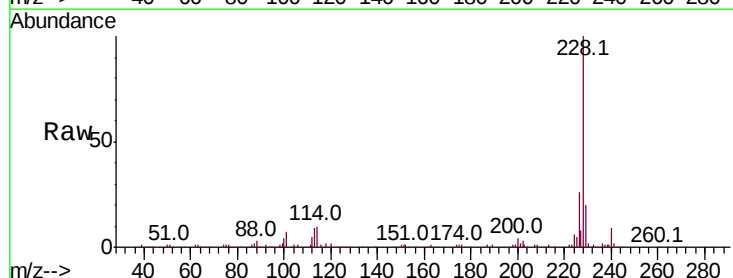
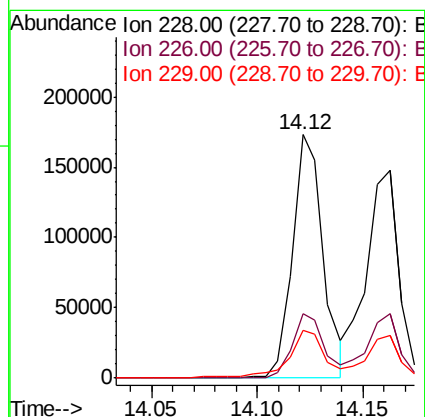
RT: 14.12 min Scan# 2046

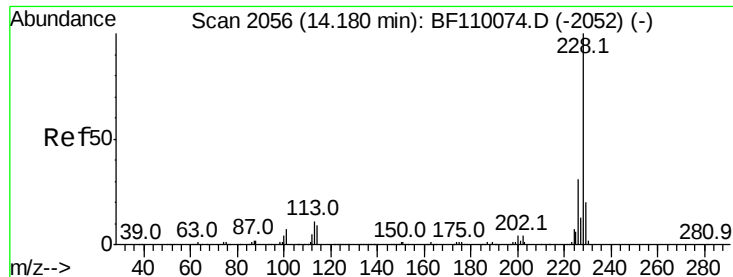
Delta R.T. -0.01 min

Lab File: BF110483.D

Acq: 6 Nov 2018 00:25

Tgt Ion:	228	Resp:	175417
Ion Ratio	Lower	Upper	
228	100		
226	26.5	22.1	33.1
229	19.8	15.6	23.4





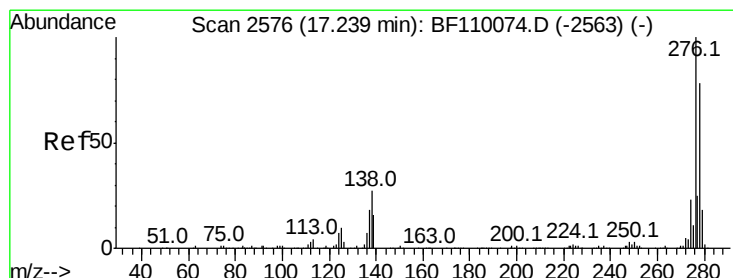
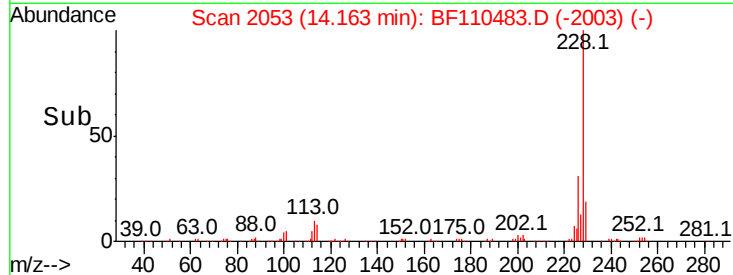
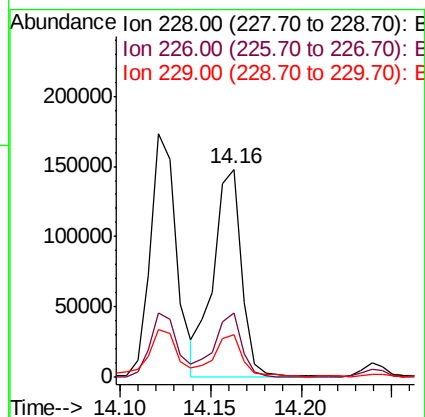
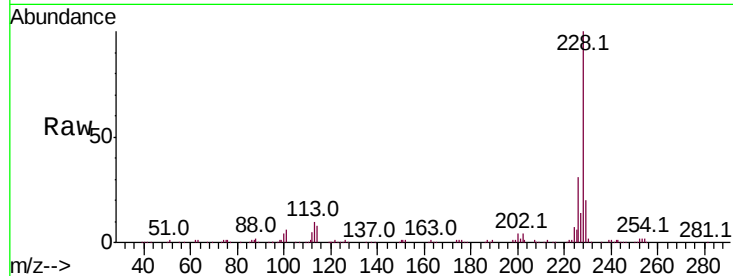
#83
Chrysene
Concen: 15.875 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF110483.D
Acq: 6 Nov 2018 00:25

Instrument :
BNA_F
ClientSampled :
TP-6DL

Tot Ion:	228	Resp:	161542
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.7	37.1
229	20.4	15.9	23.9

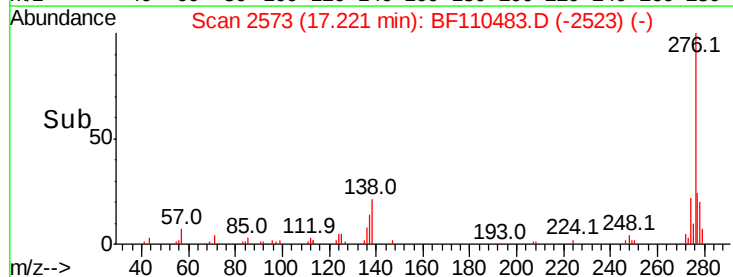
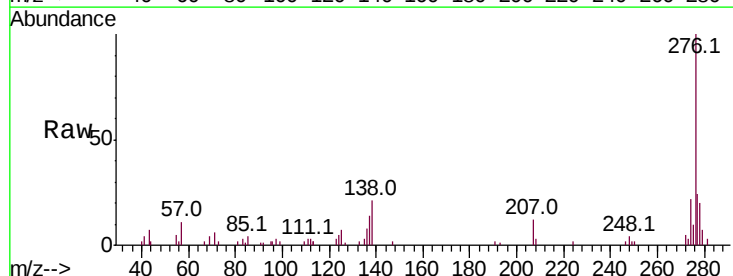
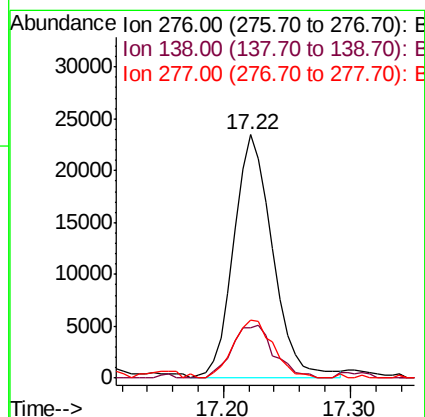
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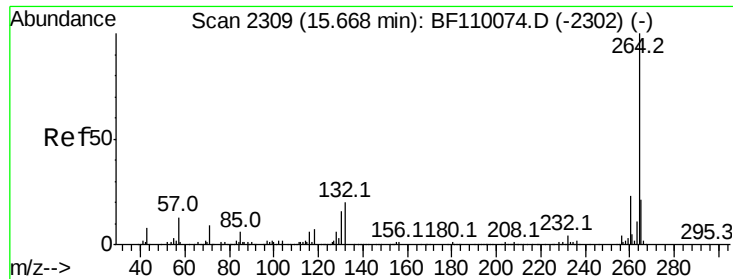
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.942 ng
RT: 17.22 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BF110483.D
Acq: 6 Nov 2018 00:25

Tgt Ion:	276	Resp:	50162
Ion Ratio	Lower	Upper	
276	100		
138	23.4	18.5	27.7
277	24.7	20.0	30.0





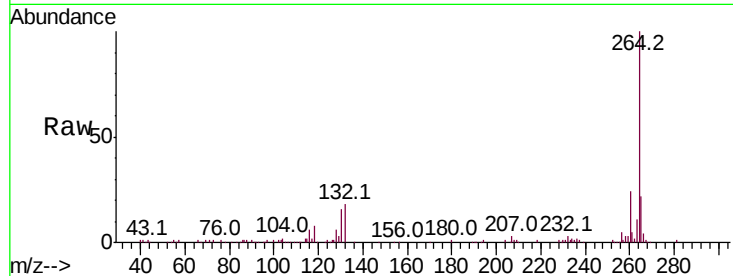
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110483.D
Acq: 6 Nov 2018 00:25

Instrument :
BNA_F
ClientSampled :
TP-6DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	21.7	16.7	25.1

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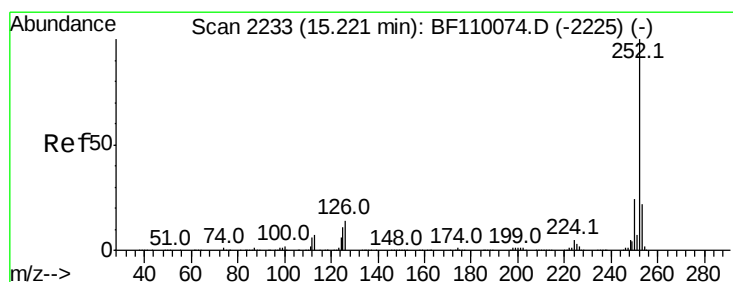
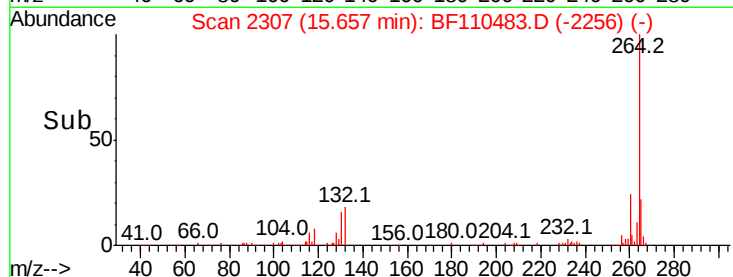
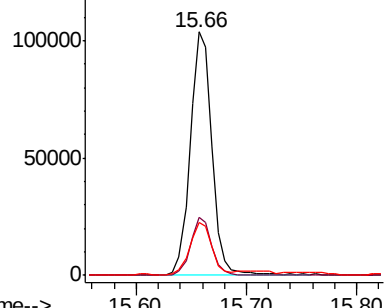


Abundance

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: 15.733 ng m
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110483.D
Acq: 6 Nov 2018 00:25

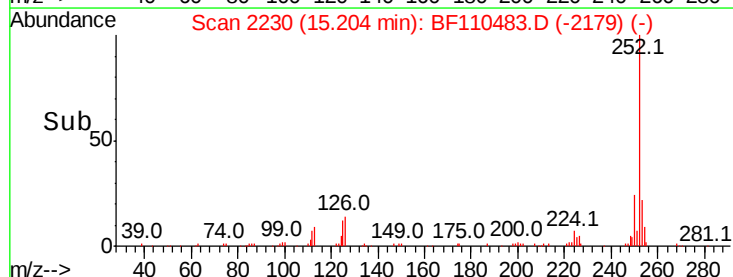
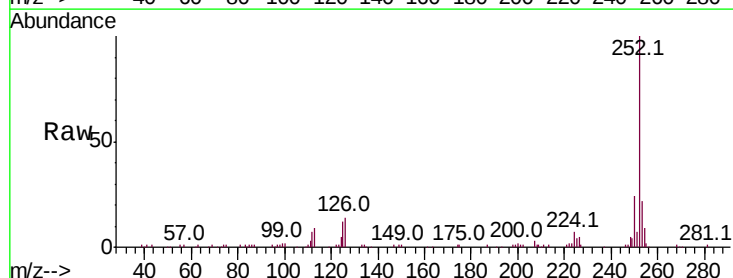
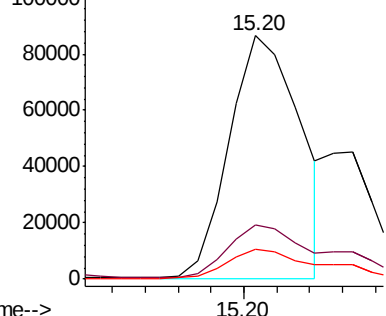
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	12.1	8.2	12.4

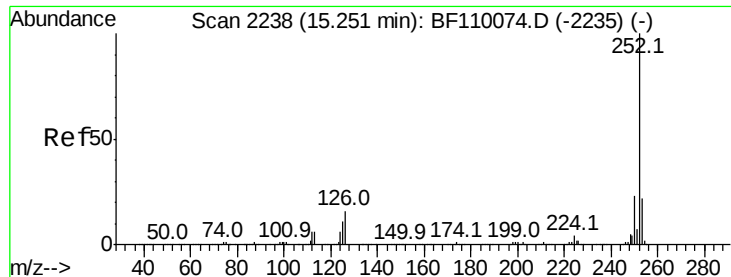
Abundance

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





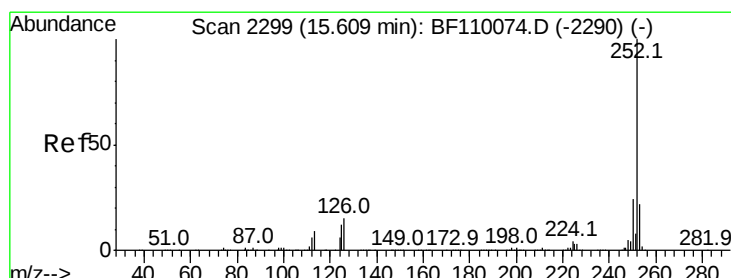
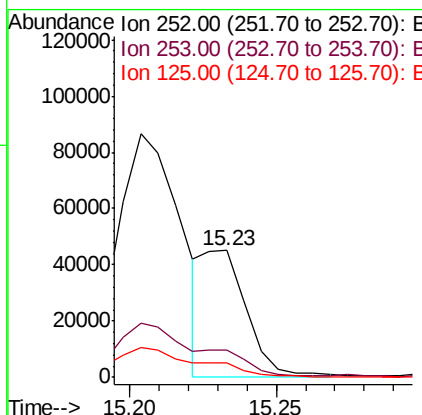
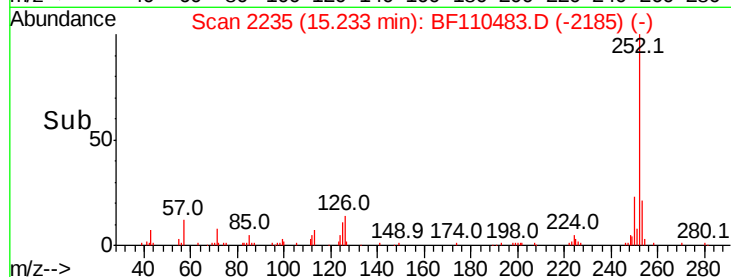
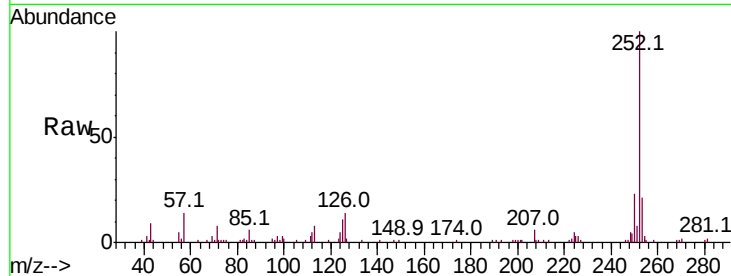
#89
Benzo(k)fluoranthene
Concen: 5.834 ng m
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF110483.D
Acq: 6 Nov 2018 00:25

Instrument :
BNA_F
ClientSampled :
TP-6DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.2	25.8
125	11.2	7.4	11.0

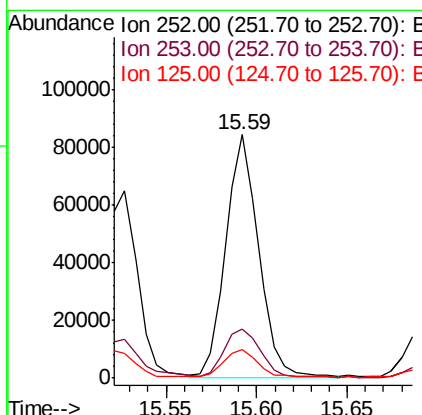
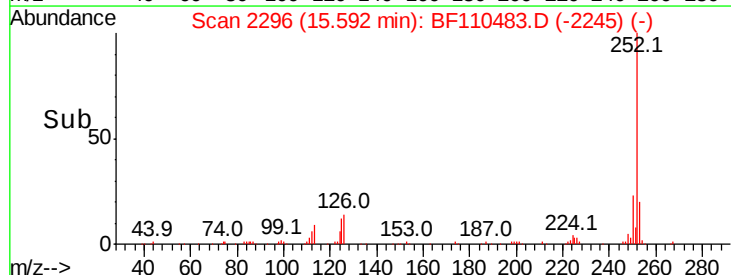
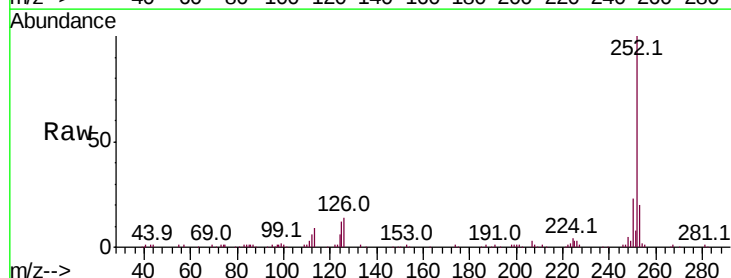
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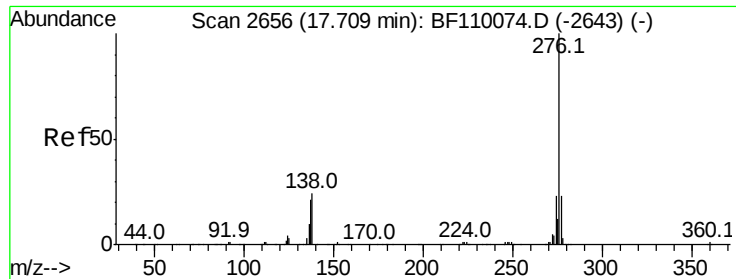
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#90
Benzo(a)pyrene
Concen: 14.199 ng
RT: 15.59 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BF110483.D
Acq: 6 Nov 2018 00:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.2	18.2	27.4
125	11.7	9.0	13.6





#92
 Benzo(a,h,i)perylene
 Concen: 8.344 ng
 RT: 17.70 min Scan# 2655
 Delta R.T. 0.00 min
 Lab File: BF110483.D
 Acq: 6 Nov 2018 00:25

Instrument :
 BNA_F
 ClientSampleId :
 TP-6DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.8	28.2
138	22.7	16.0	24.0

Manual Integrations
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