

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112818\
 Data File : BF111061.D
 Acq On : 28 Nov 2018 22:29
 Operator : JU/SJ
 Sample : J6062-02DL 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-20(1-10)DL

Manual Integrations
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 11/29/2018 1:58:47 PM

Quant Time: Nov 29 03:43:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 27 15:32:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	60432	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	239455	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	95135	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	147937	20.00	ng	0.00
76) Chrysene-d12	14.13	240	130410	20.00	ng	0.00
87) Perylene-d12	15.66	264	98010	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	163681	44.92	ng	0.00
7) Phenol-d6	6.56	99	221400	46.62	ng	0.00
23) Nitrobenzene-d5	7.50	82	130046	31.08	ng	0.00
42) 2,4,6-Tribromophenol	10.77	330	34887	36.92	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	219951	33.50	ng	0.00
79) Terphenyl-d14	13.05	244	158124	23.60	ng	-0.01
Target Compounds						
10) Phenol	6.58	94	12499	2.337	ng	93
50) Dimethylphthalate	9.69	163	15685	2.248	ng	99
55) Dibenzofuran	10.19	168	17518	2.071	ng	99
58) Fluorene	10.53	166	26213	3.984	ng	98
71) Phenanthrene	11.49	178	222459	28.392	ng	99
72) Anthracene	11.55	178	71963	9.019	ng	97
75) Fluoranthene	12.69	202	274206	34.051	ng	99
78) Pyrene	12.92	202	213017	22.364	ng	97
81) Benzo(a)anthracene	14.12	228	114984	14.934	ng	98
83) Chrysene	14.15	228	89780	11.846	ng	99
86) Indeno(1,2,3-cd)pyrene	17.26	276	29700	5.459	ng	100
88) Benzo(b)fluoranthene	15.20	252	91564m	15.903	ng	
89) Benzo(k)fluoranthene	15.23	252	27485m	4.638	ng	
90) Benzo(a)pyrene	15.60	252	57137	10.661	ng	98
92) Benzo(a,h,i)perylene	17.75	276	24964	5.855	ng	# 88

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

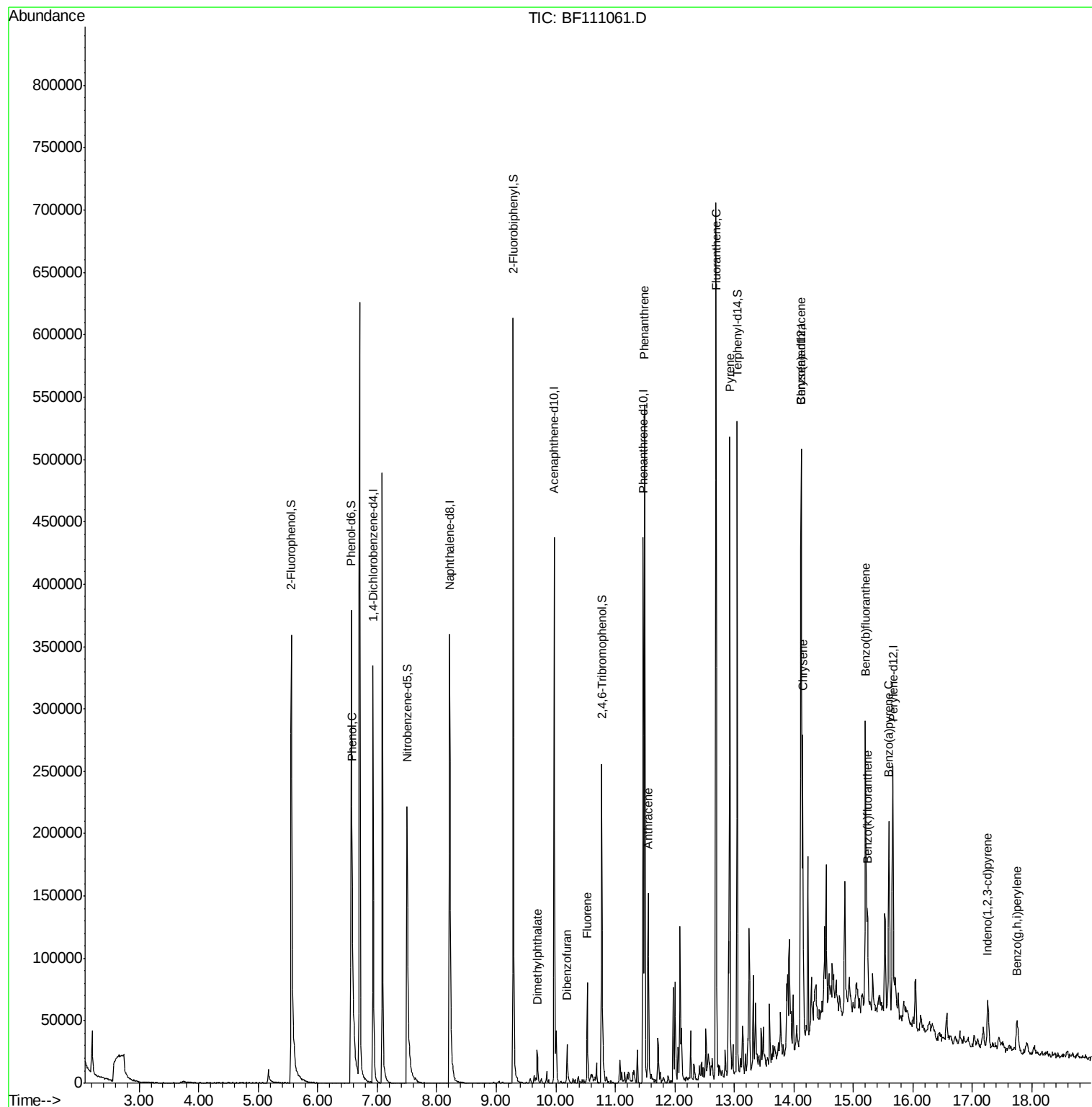
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112818\
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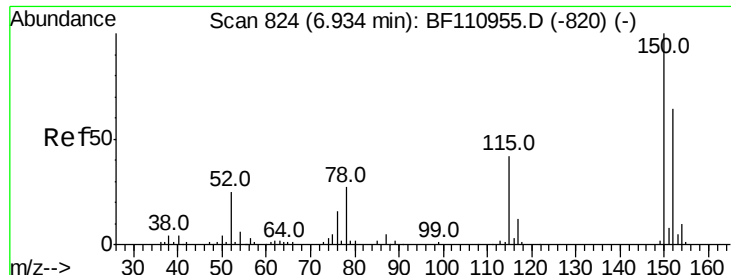
Instrument :
BNA_F
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B-20(1-10)DL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
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#1

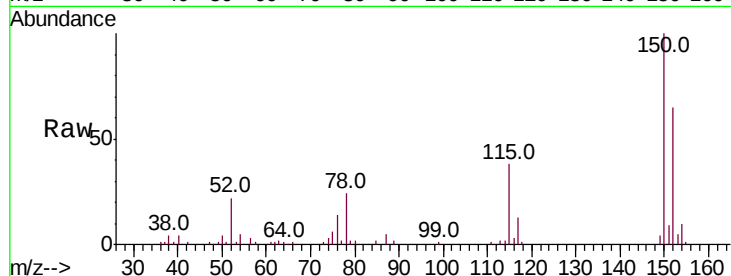
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BF111061.D
Acq: 28 Nov 2018 22:29

Instrument :
BNA_F
ClientSampleId :
B-20(1-10)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	122.7	184.1
115	58.5	49.1	73.7

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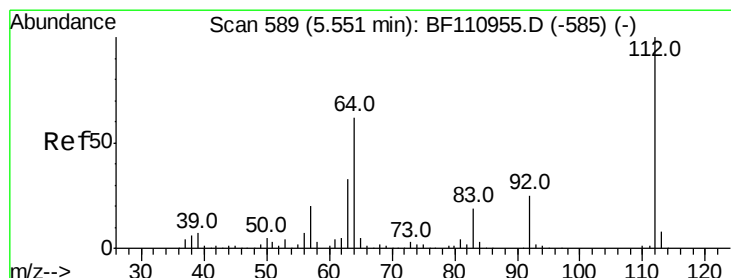
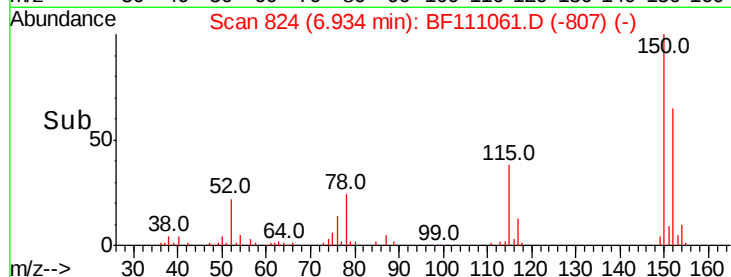
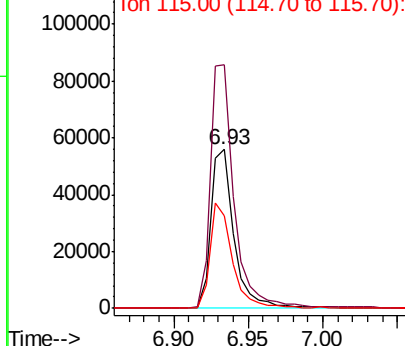


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

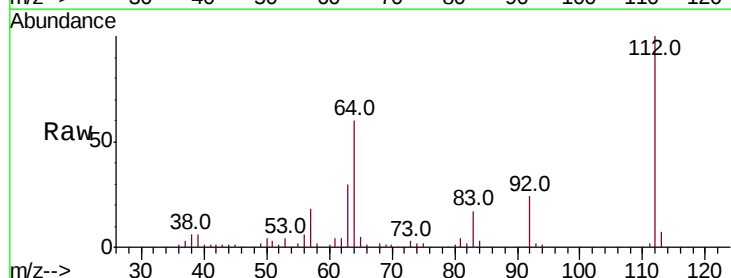
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 44.916 ng
RT: 5.56 min Scan# 590
Delta R.T. 0.01 min
Lab File: BF111061.D
Acq: 28 Nov 2018 22:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	44.1	66.1
63	30.4	23.7	35.5

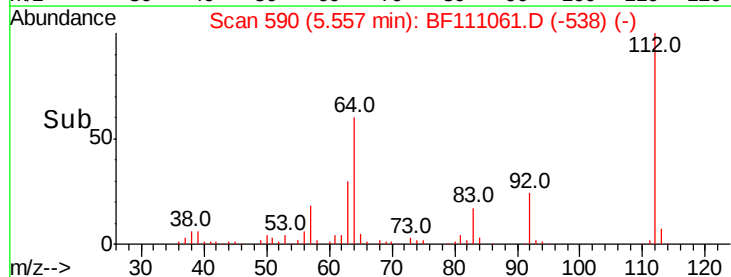
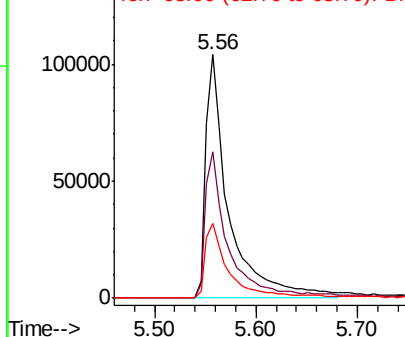


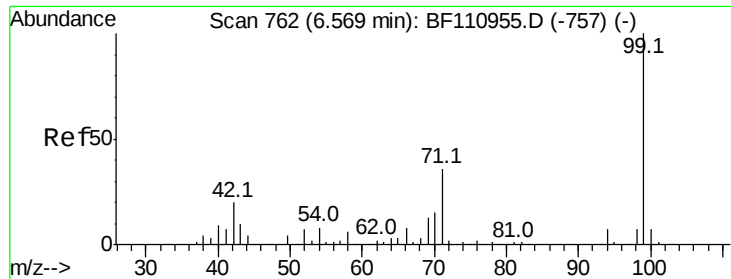
Abundance

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: 46.621 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF111061.D

Acq: 28 Nov 2018 22:29

Instrument :

BNA_F

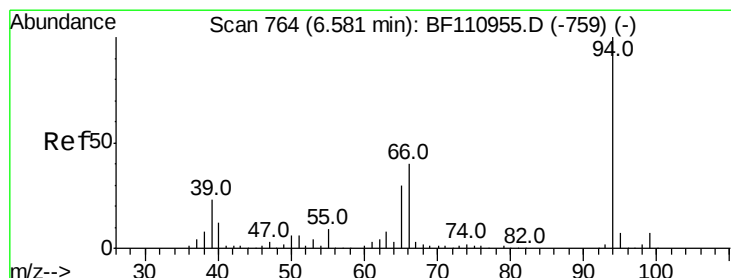
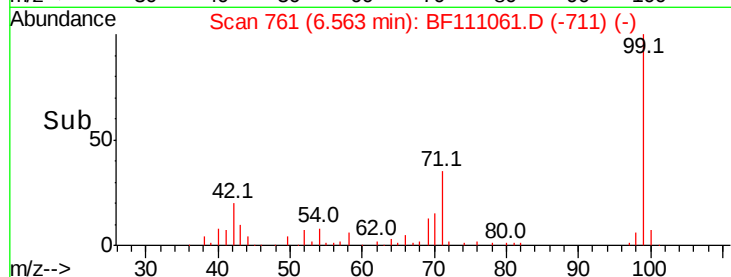
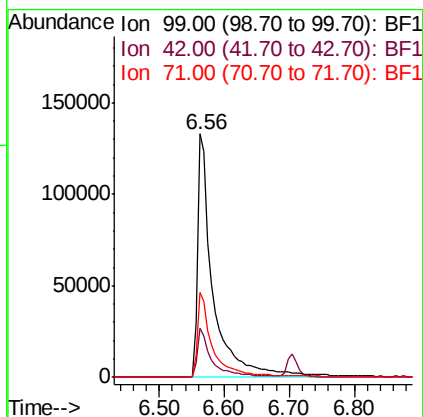
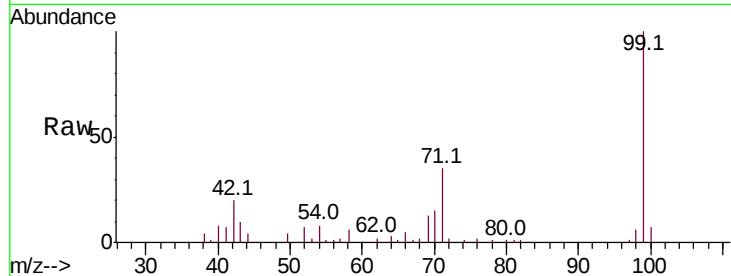
ClientSampleId :

B-20(1-10)DL

Tot Ion:	99	Resp:	221400
Ion Ratio	Lower	Upper	
99	100		
42	20.1	15.8	23.6
71	34.7	28.0	42.0

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#10

Phenol

Concen: 2.337 ng

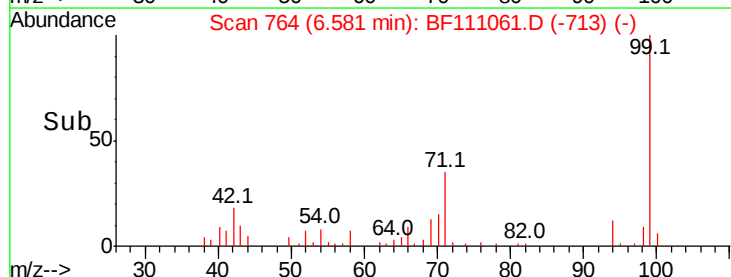
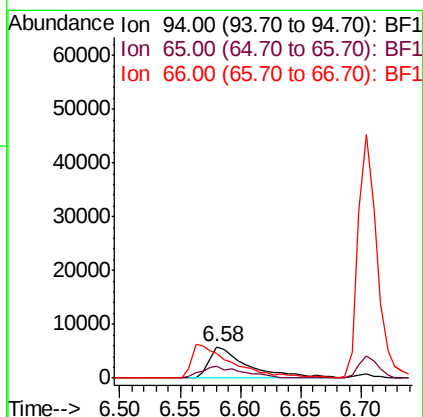
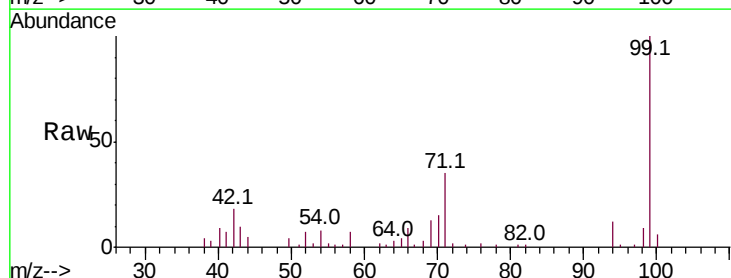
RT: 6.58 min Scan# 764

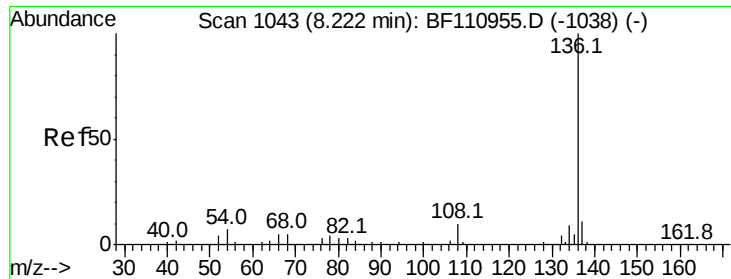
Delta R.T. -0.00 min

Lab File: BF111061.D

Acq: 28 Nov 2018 22:29

Tgt Ion:	94	Resp:	12499
Ion Ratio	Lower	Upper	
94	100		
65	37.8	25.3	65.3
66	78.4	54.5	94.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF111061.D

Acq: 28 Nov 2018 22:29

Instrument :

BNA_F

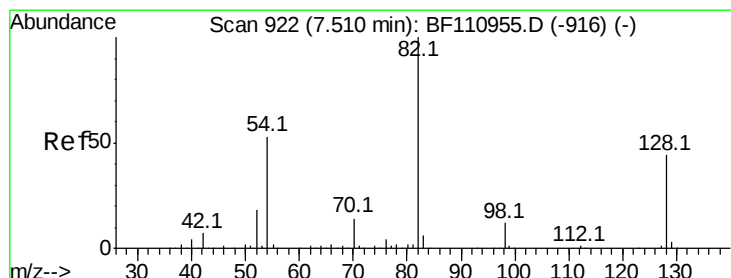
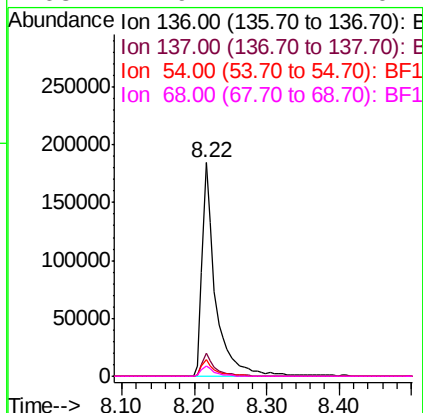
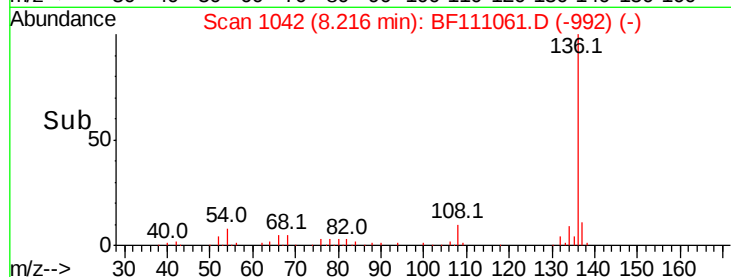
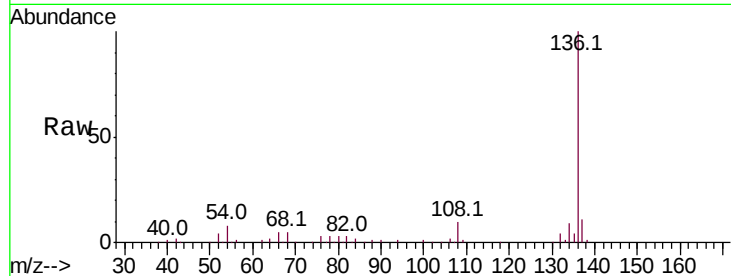
ClientSampleID :

B-20(1-10)DL

Tot Ion	Ratio	Resp	Lower	Upper
136	100	239455		
137	10.5		8.8	13.2
54	7.5		5.4	8.2
68	4.9		4.2	6.2

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#23

Nitrobenzene-d5

Concen: 31.082 ng

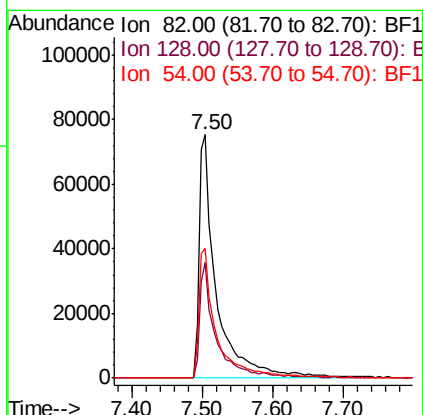
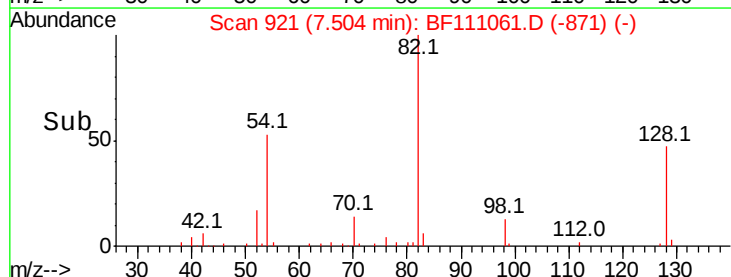
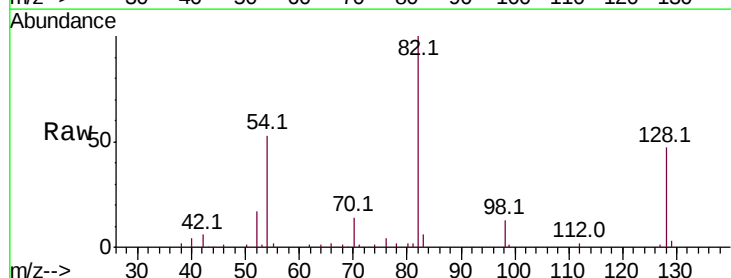
RT: 7.50 min Scan# 921

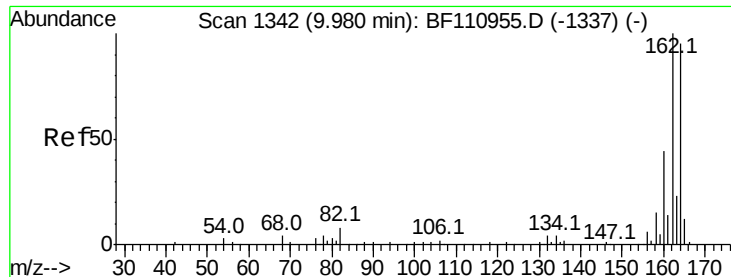
Delta R.T. -0.01 min

Lab File: BF111061.D

Acq: 28 Nov 2018 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	130046		
128	47.3		34.2	51.2
54	53.2		38.6	58.0





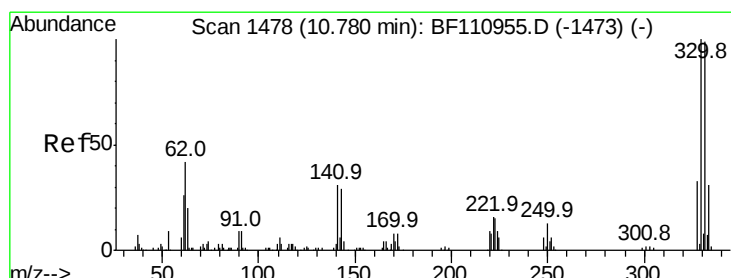
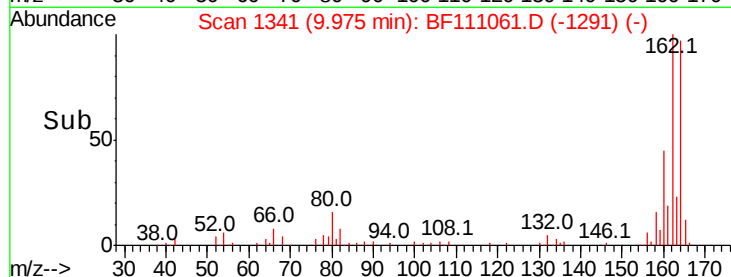
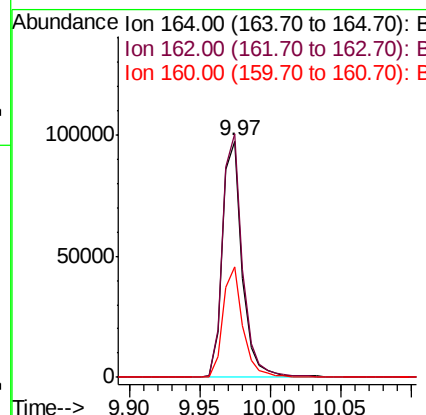
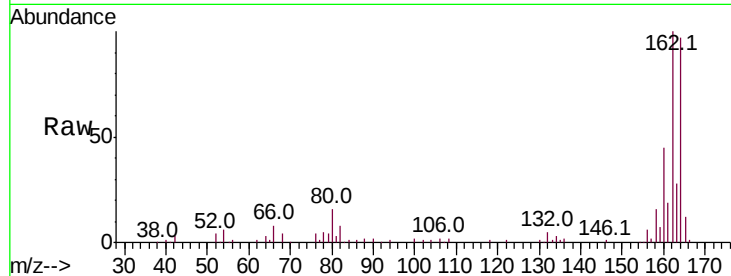
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF111061.D
Acq: 28 Nov 2018 22:29

Instrument :
BNA_F
ClientSampleID :
B-20(1-10)DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	83.0	124.6
160	46.5	37.0	55.6

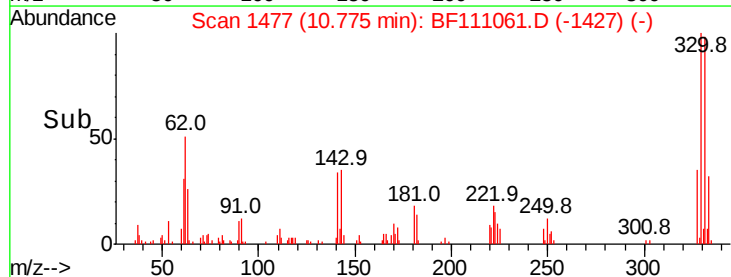
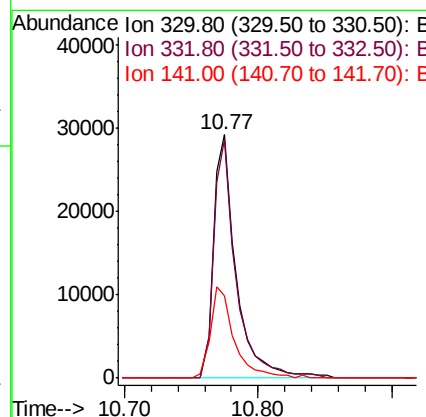
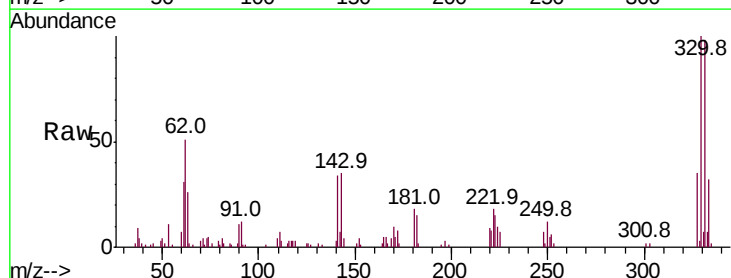
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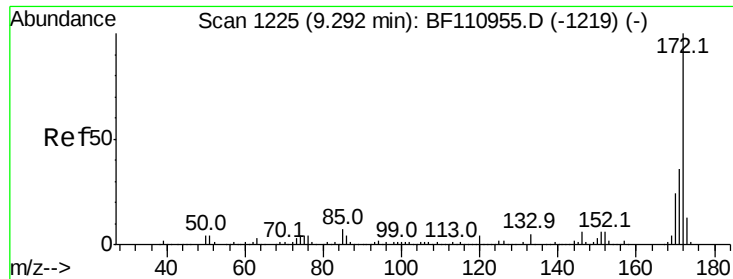
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#42
2,4,6-Tribromophenol
Concen: 36.925 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF111061.D
Acq: 28 Nov 2018 22:29

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.1	115.7
141	39.0	27.0	40.4





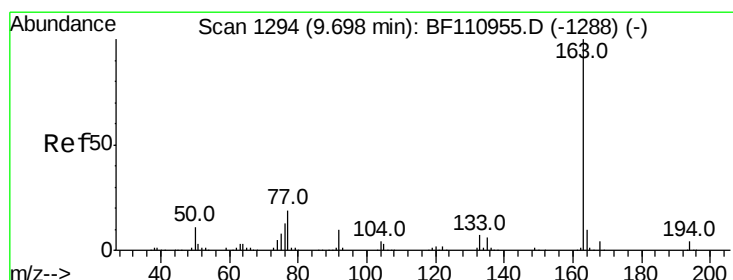
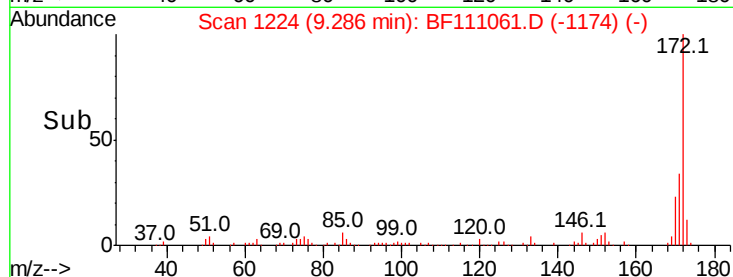
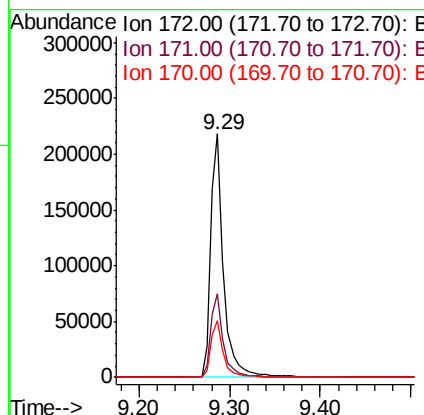
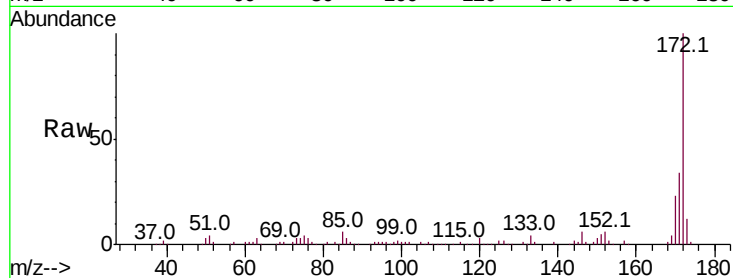
#45
 2-Fluorobiphenyl
 Concen: 33.495 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: BF111061.D
 Acq: 28 Nov 2018 22:29

Instrument :
 BNA_F
 ClientSampleId :
 B-20(1-10)DL

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.4	28.6	43.0	
170	23.1	19.7	29.5	

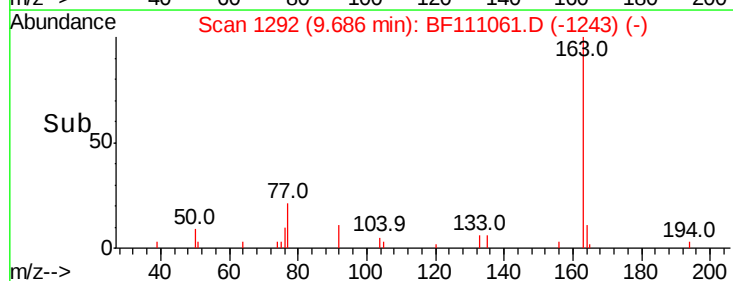
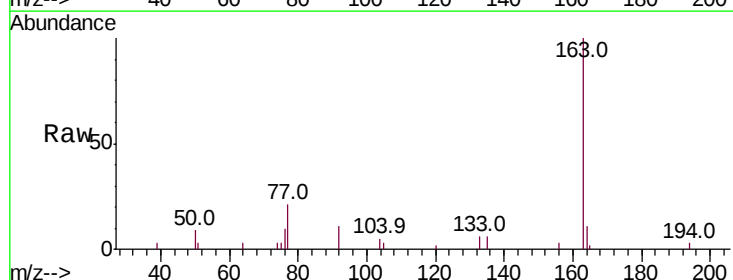
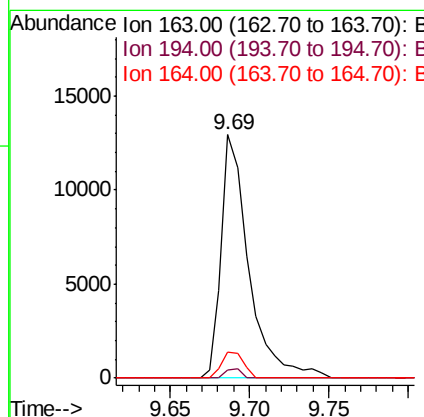
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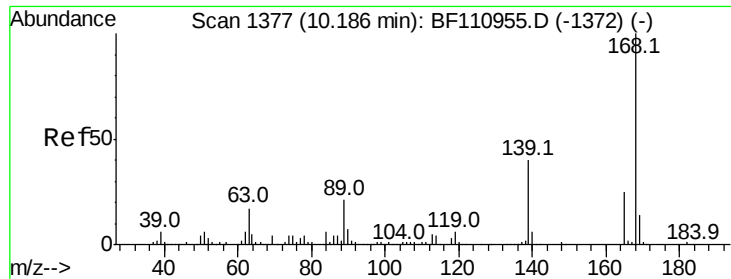
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#50
 Dimethylphthalate
 Concen: 2.248 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.01 min
 Lab File: BF111061.D
 Acq: 28 Nov 2018 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.4	3.2	4.8	
164	10.5	8.1	12.1	





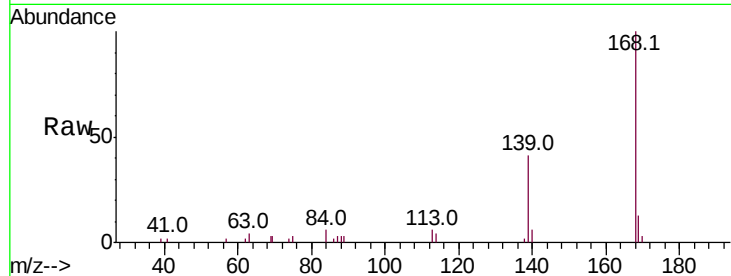
#55
Dibenzofuran
Concen: 2.071 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.01 min
Lab File: BF111061.D
Acq: 28 Nov 2018 22:29

Instrument :
BNA_F
ClientSampleId :
B-20(1-10)DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.4	33.0	49.6
169	12.7	11.3	16.9

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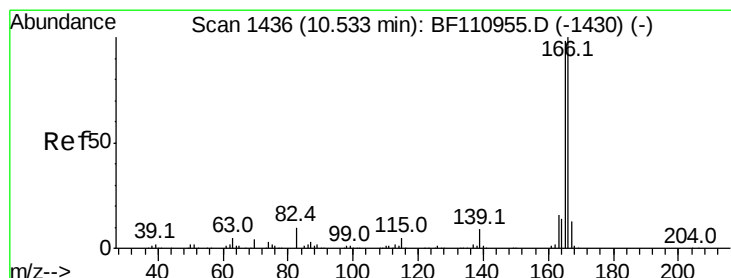
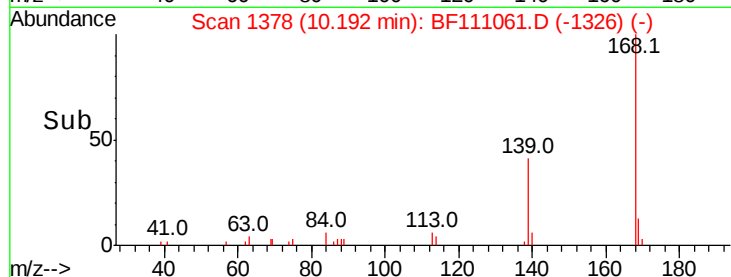
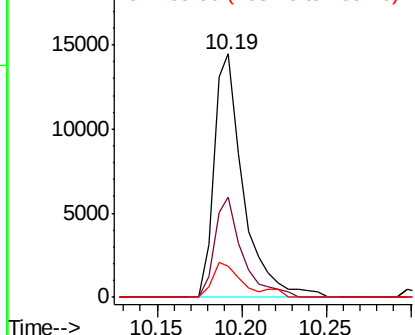


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58
Fluorene
Concen: 3.984 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF111061.D
Acq: 28 Nov 2018 22:29

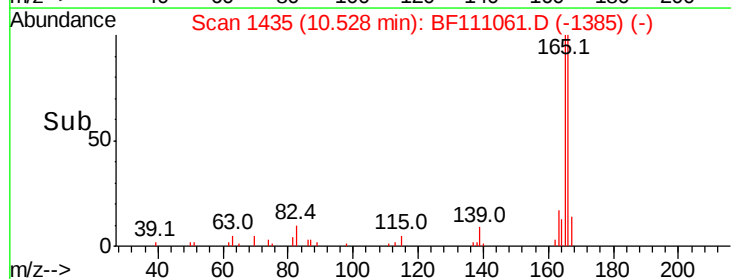
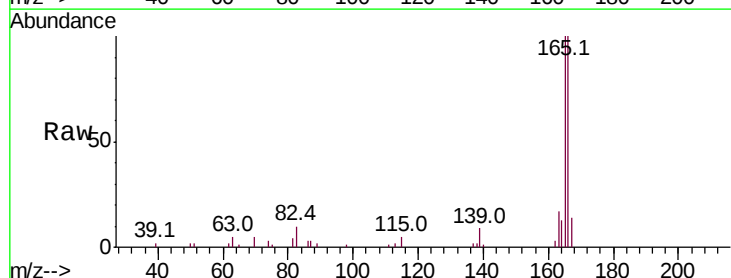
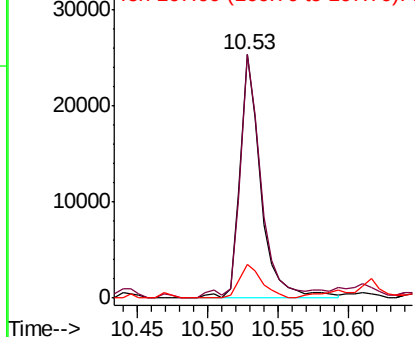
Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.9	78.6	117.8
167	14.1	10.8	16.2

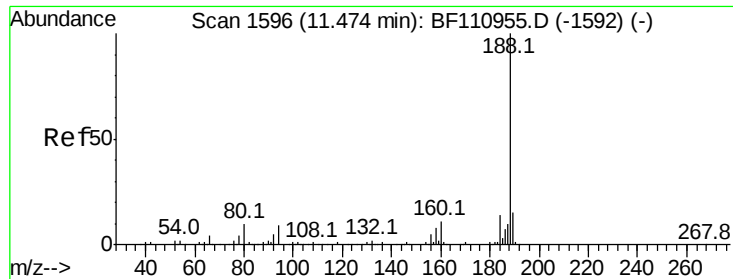
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF111061.D

Acq: 28 Nov 2018 22:29

Instrument :

BNA_F

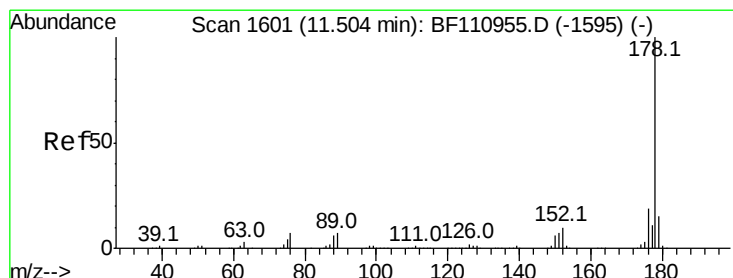
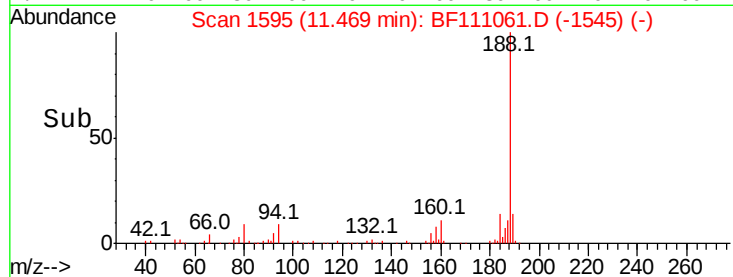
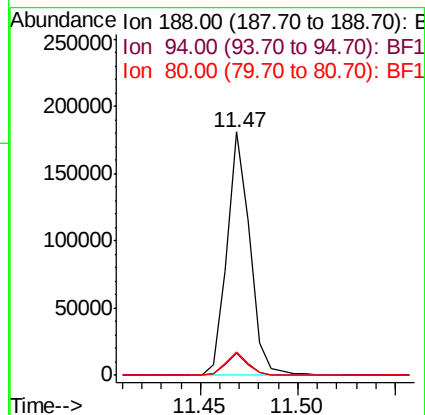
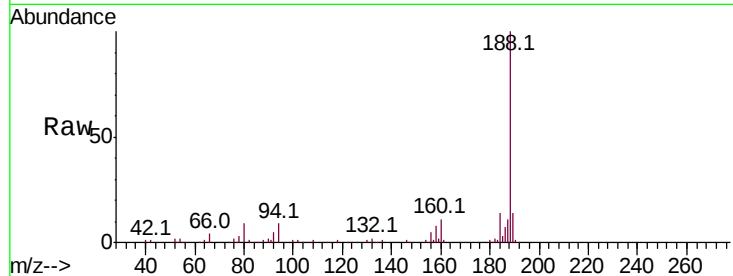
ClientSampleId :

B-20(1-10)DL

Tot Ion:	188	Resp:	147937
Ion Ratio	Lower	Upper	
188	100		
94	9.1	7.2	10.8
80	9.4	7.9	11.9

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#71

Phenanthrene

Concen: 28.392 ng

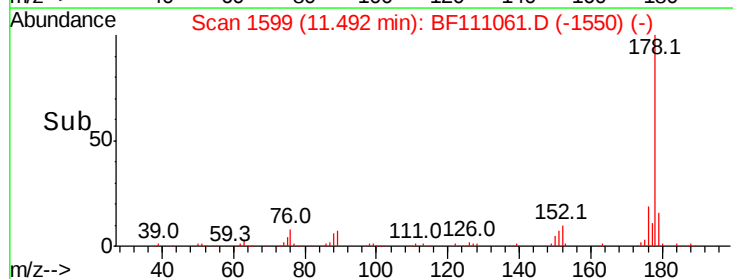
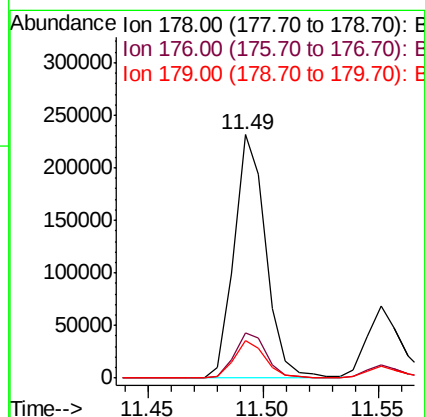
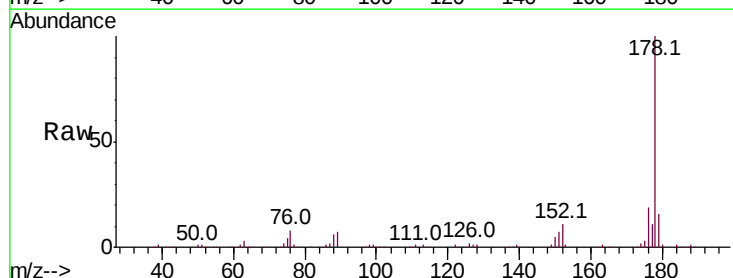
RT: 11.49 min Scan# 1599

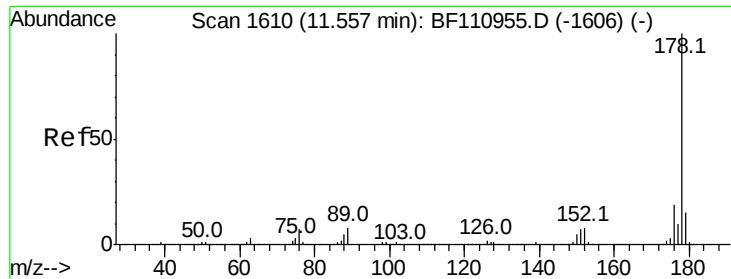
Delta R.T. -0.01 min

Lab File: BF111061.D

Acq: 28 Nov 2018 22:29

Tgt Ion:	178	Resp:	222459
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.5	23.3
179	15.6	12.5	18.7





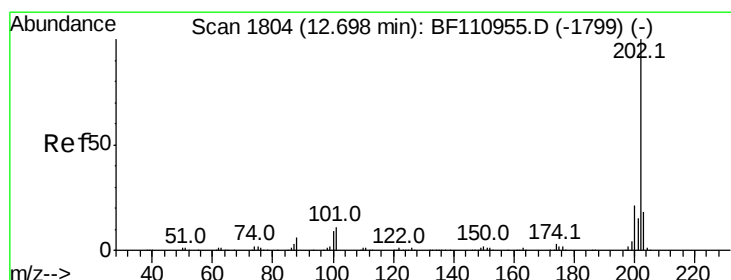
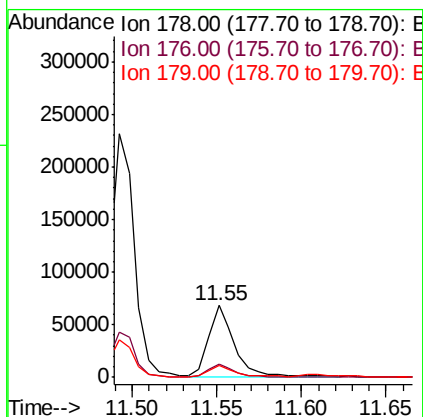
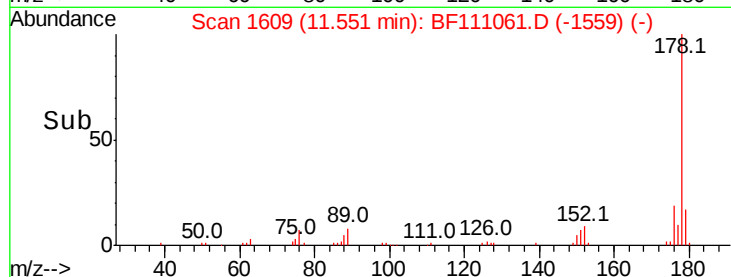
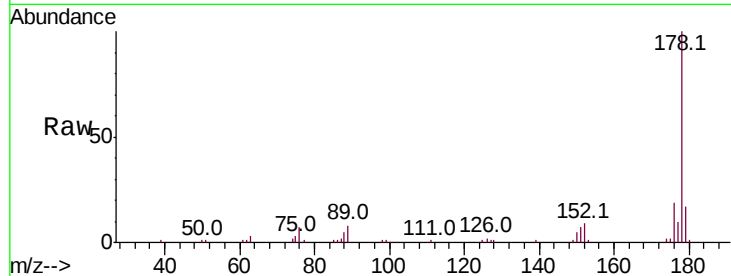
#72
 Anthracene
 Concen: 9.019 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. -0.01 min
 Lab File: BF111061.D
 Acq: 28 Nov 2018 22:29

Instrument :
 BNA_F
 ClientSampleId :
 B-20(1-10)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	17.3	12.6	18.8

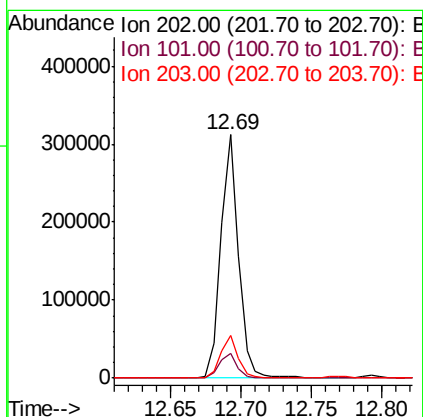
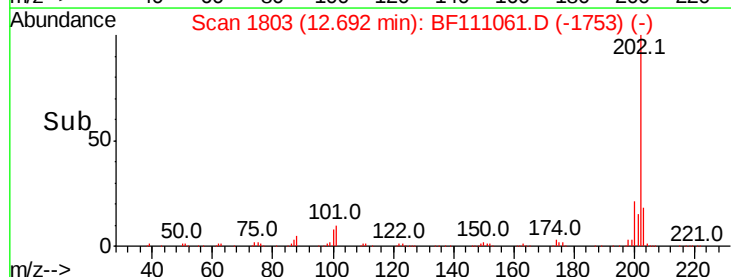
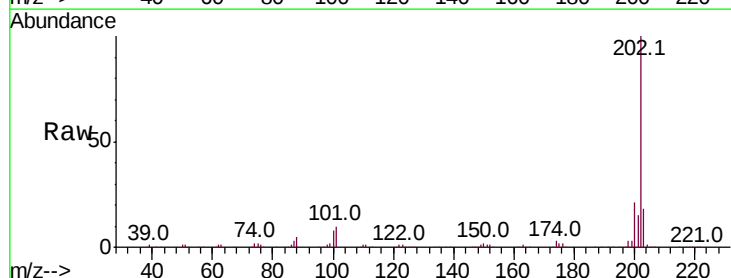
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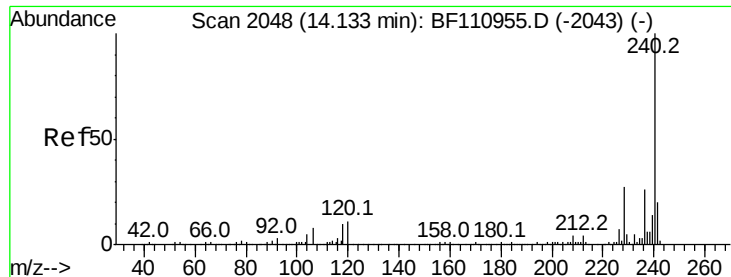
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#75
 Fluoranthene
 Concen: 34.051 ng
 RT: 12.69 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: BF111061.D
 Acq: 28 Nov 2018 22:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.4
203	17.7	0.0	37.7





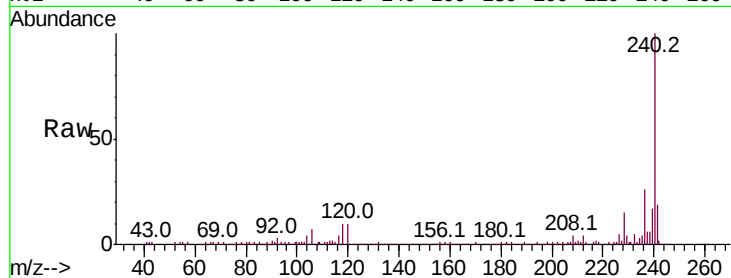
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF111061.D
Acq: 28 Nov 2018 22:29

Instrument :
BNA_F
ClientSampleId :
B-20(1-10)DL

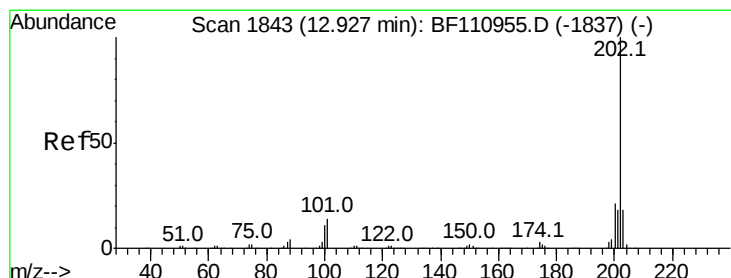
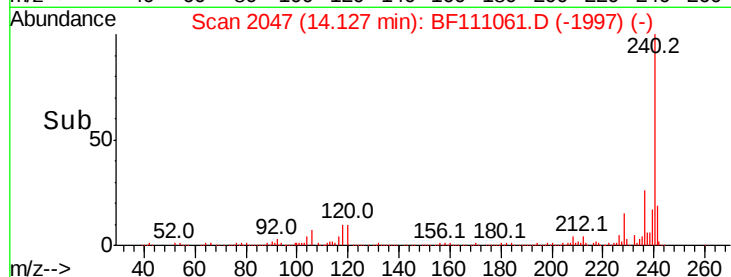
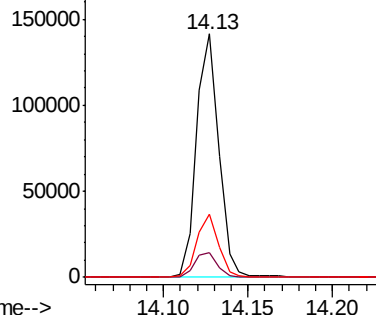
Tot Ion	Ratio	Resp	Lower	Upper
240	100	130410		
120	10.3		8.3	12.5
236	25.9		21.2	31.8

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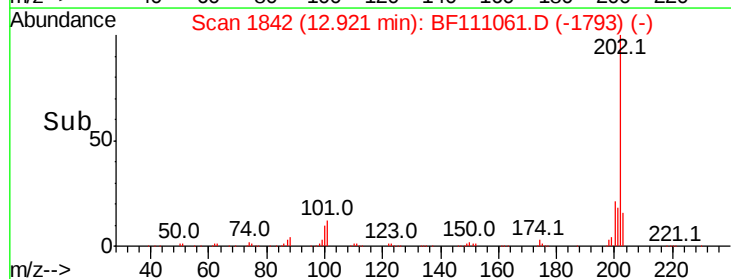
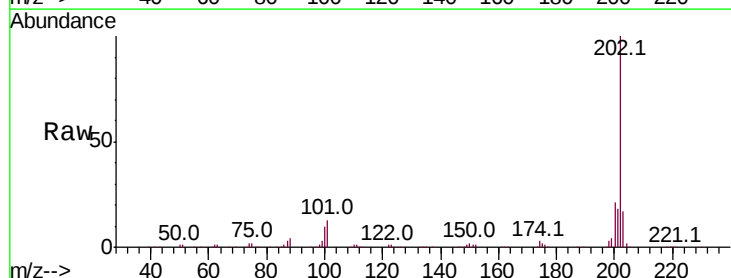
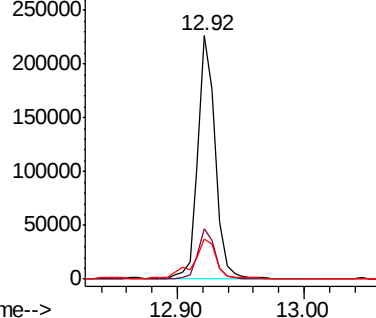
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

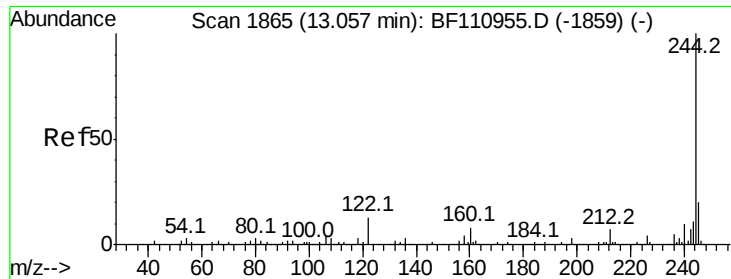


#78
Pyrene
Concen: 22.364 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BF111061.D
Acq: 28 Nov 2018 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	213017		
200	20.9		17.8	26.6
203	16.7		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





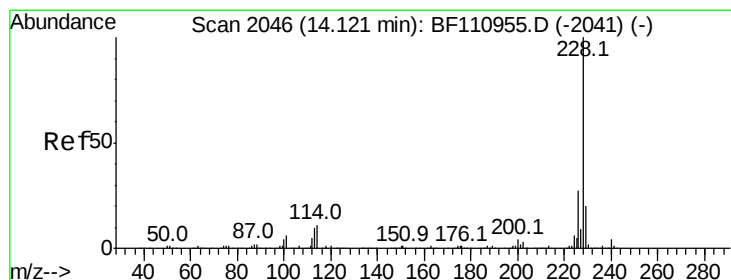
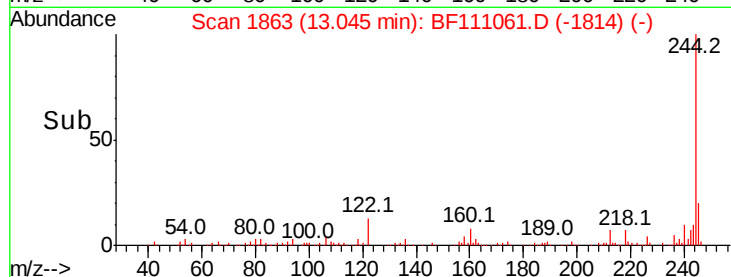
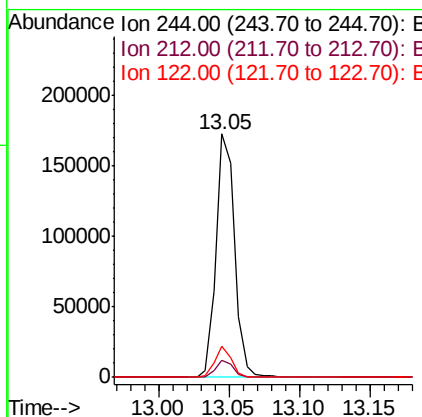
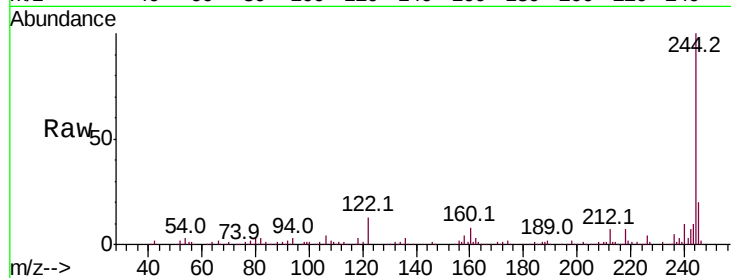
#79
 Terphenyl-d14
 Concen: 23.603 ng
 RT: 13.05 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: BF111061.D
 Acq: 28 Nov 2018 22:29

Instrument :
 BNA_F
 ClientSampleID :
 B-20(1-10)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	12.9	8.7	13.1

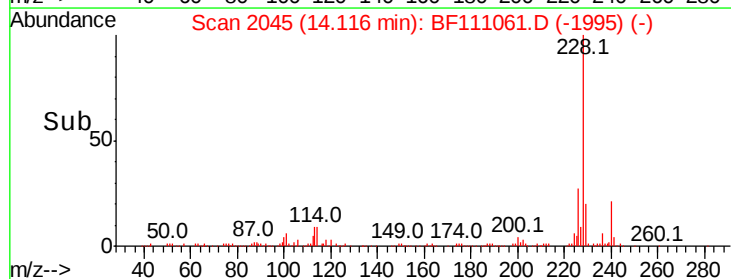
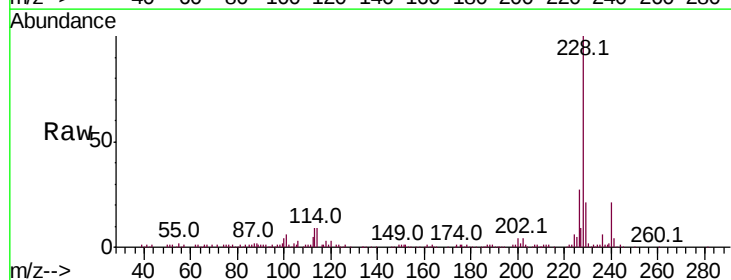
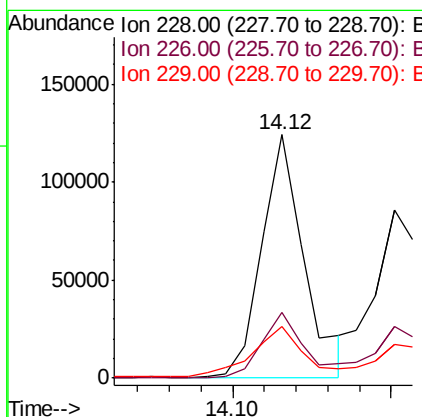
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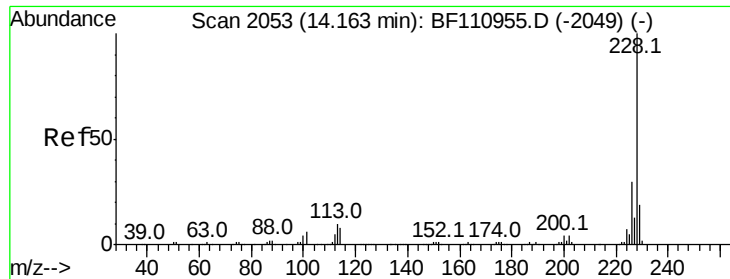
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#81
 Benzo(a)anthracene
 Concen: 14.934 ng
 RT: 14.12 min Scan# 2045
 Delta R.T. -0.01 min
 Lab File: BF111061.D
 Acq: 28 Nov 2018 22:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	21.0	15.6	23.4





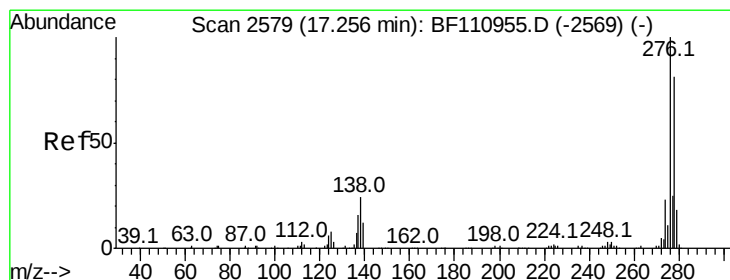
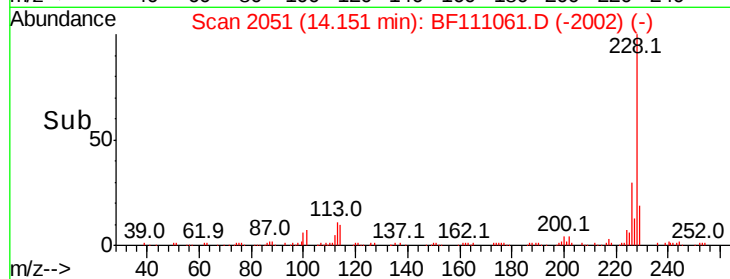
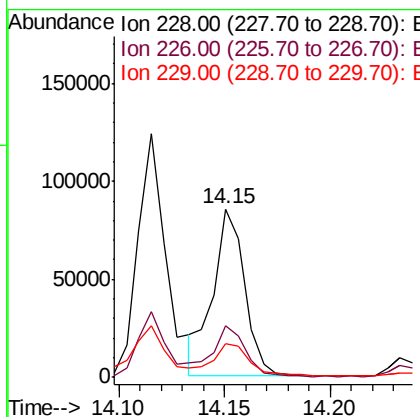
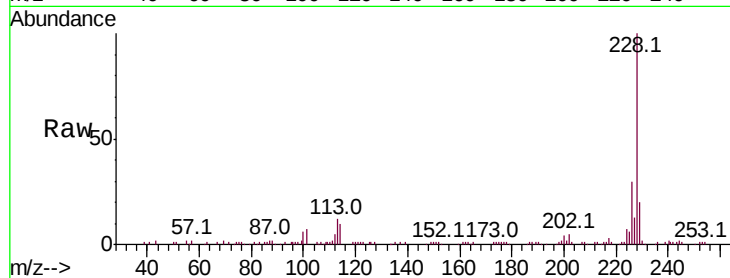
#83
Chrysene
Concen: 11.846 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF111061.D
Acq: 28 Nov 2018 22:29

Instrument :
BNA_F
ClientSampleId :
B-20(1-10)DL

Tot Ion:	228	Resp:	89780
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.7	37.1
229	20.1	15.9	23.9

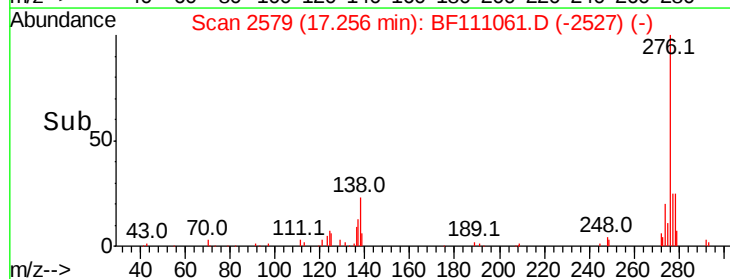
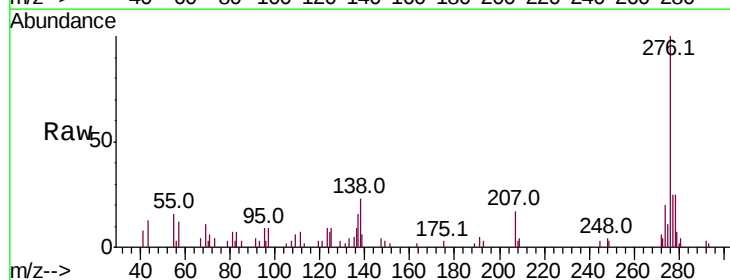
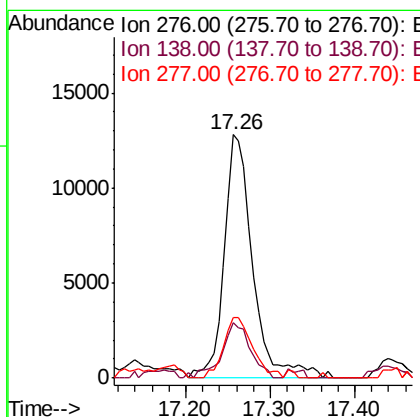
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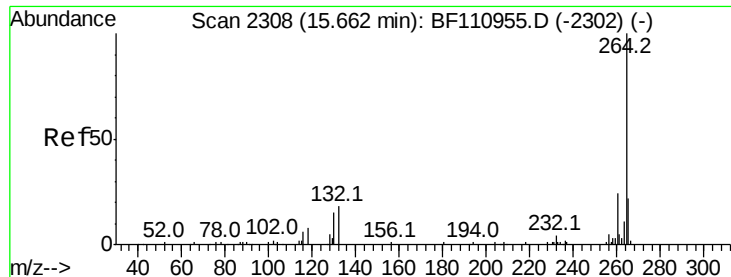
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.459 ng
RT: 17.26 min Scan# 2579
Delta R.T. 0.01 min
Lab File: BF111061.D
Acq: 28 Nov 2018 22:29

Tgt Ion:	276	Resp:	29700
Ion Ratio	Lower	Upper	
276	100		
138	23.2	18.5	27.7
277	25.3	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2308

Delta R.T. -0.01 min

Lab File: BF111061.D

Acq: 28 Nov 2018 22:29

Instrument :

BNA_F

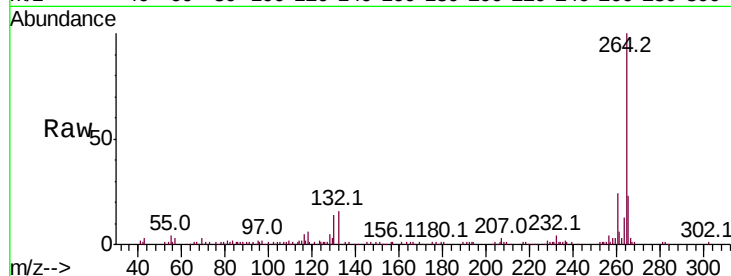
ClientSampleId :

B-20(1-10)DL

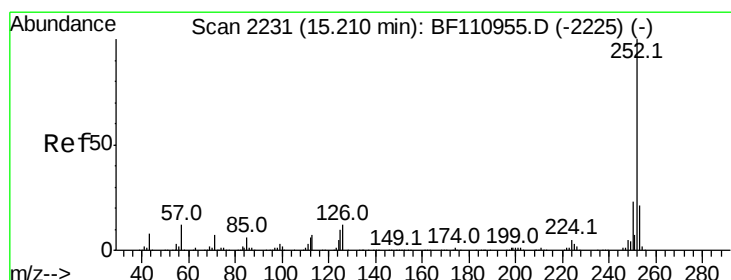
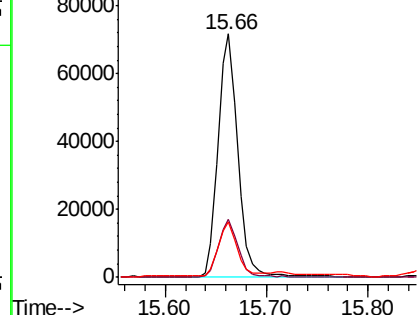
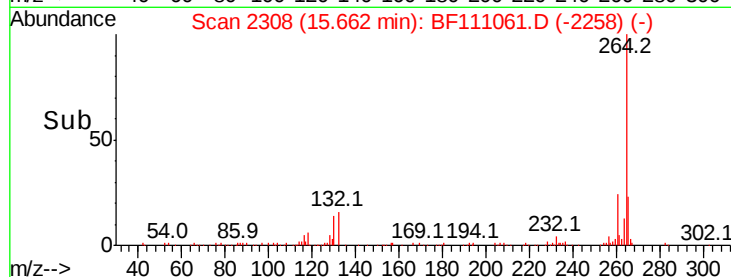
Tot Ion:	264	Resp:	98010
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.7	28.1
265	22.7	16.7	25.1

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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: 15.903 ng m

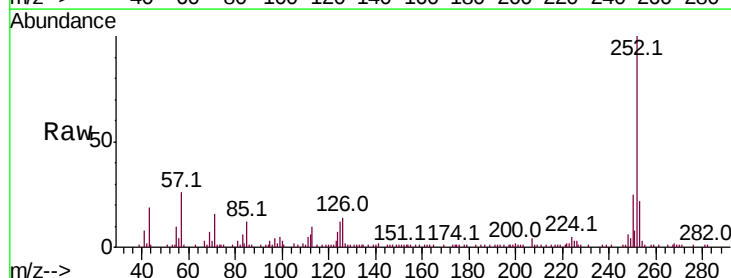
RT: 15.20 min Scan# 2230

Delta R.T. -0.01 min

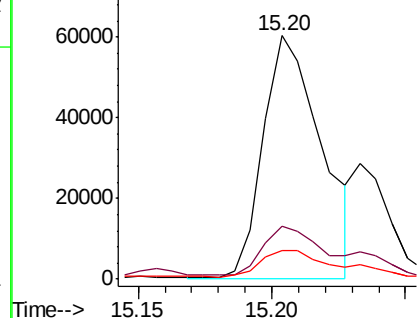
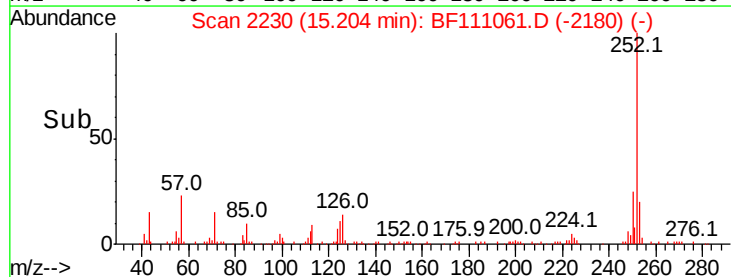
Lab File: BF111061.D

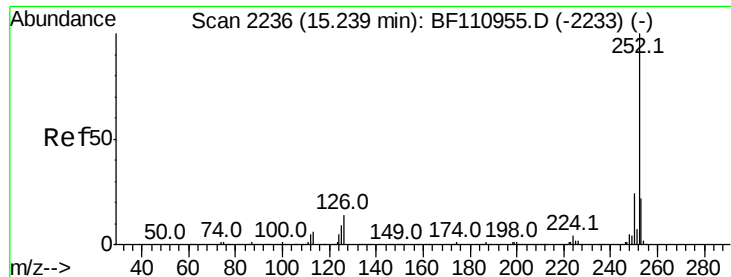
Acq: 28 Nov 2018 22:29

Tgt Ion:	252	Resp:	91564
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.2	25.8
125	11.8	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: 4.638 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.01 min

Lab File: BF111061.D

Acq: 28 Nov 2018 22:29

Instrument :

BNA_F

ClientSampleId :

B-20(1-10)DL

Tot Ion:252 Resp: 27485

Ion Ratio Lower Upper

252 100

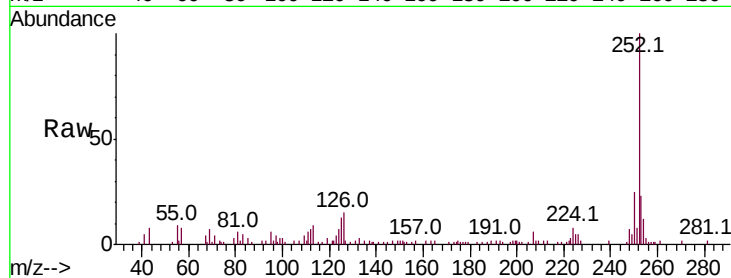
253 23.4 17.2 25.8

125 12.6 7.4 11.0#

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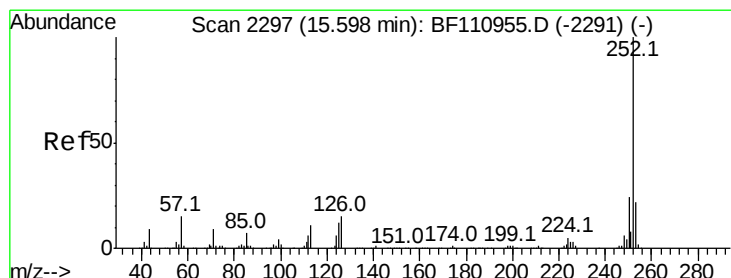
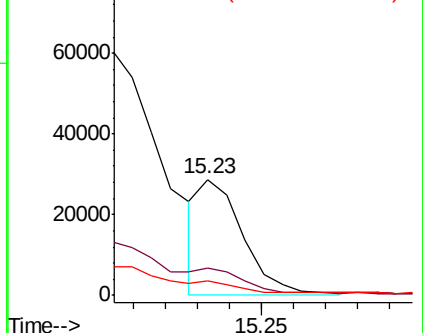
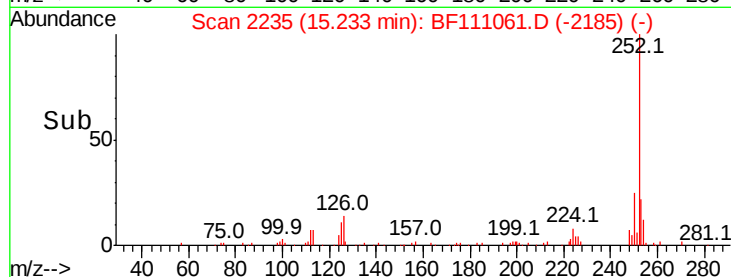
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 10.661 ng

RT: 15.60 min Scan# 2297

Delta R.T. -0.01 min

Lab File: BF111061.D

Acq: 28 Nov 2018 22:29

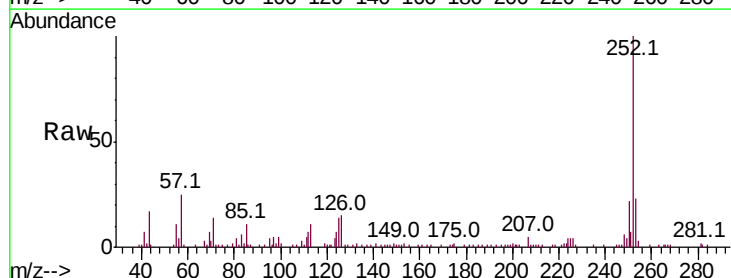
Tgt Ion:252 Resp: 57137

Ion Ratio Lower Upper

252 100

253 23.1 18.2 27.4

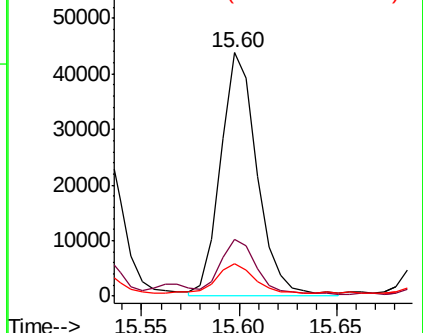
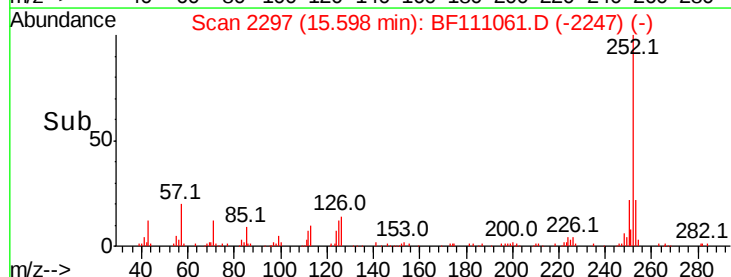
125 13.5 9.0 13.6

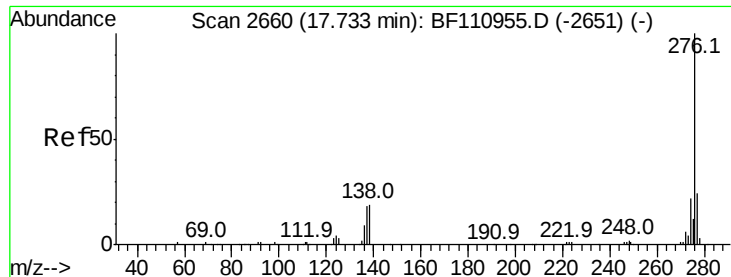


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 5.855 ng
 RT: 17.75 min Scan# 2663
 Delta R.T. 0.01 min
 Lab File: BF111061.D
 Acq: 28 Nov 2018 22:29

Instrument :
 BNA_F
 ClientSampleId :
 B-20(1-10)DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.9	18.8	28.2
138	27.0	16.0	24.0

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