

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
 Data File : BF111025.D
 Acq On : 27 Nov 2018 23:18
 Operator : JU/SJ
 Sample : J5774-07DL 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-112118-BDL

Manual Integrations
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Quant Time: Nov 28 03:11:49 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	6.94	152	44645	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	178288	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	74840	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	145116	20.00	ng	0.00
76) Chrysene-d12	14.13	240	110584	20.00	ng	0.00
87) Perylene-d12	15.67	264	72858	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	26390	9.80	ng	0.04
7) Phenol-d6	6.59	99	29457	8.40	ng	0.02
23) Nitrobenzene-d5	7.53	82	19922	6.39	ng	0.02
42) 2,4,6-Tribromophenol	10.79	330	6590	8.87	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	34561	6.69	ng	0.00
79) Terphenyl-d14	13.06	244	35913	6.32	ng	0.00
Target Compounds						
52) Acenaphthene	10.02	154	10875	2.385	ng	91
58) Fluorene	10.53	166	24757	4.783	ng	96
71) Phenanthrene	11.50	178	199140	25.910	ng	99
72) Anthracene	11.56	178	66300	8.471	ng	99
75) Fluoranthene	12.70	202	275942	34.932	ng	100
78) Pyrene	12.93	202	261329	32.356	ng	98
81) Benzo(a)anthracene	14.12	228	112043	17.162	ng	97
83) Chrysene	14.16	228	95879	14.918	ng	97
86) Indeno(1,2,3-cd)pyrene	17.27	276	33504	7.263	ng	98
88) Benzo(b)fluoranthene	15.22	252	78590m	18.362	ng	
89) Benzo(k)fluoranthene	15.24	252	30723m	6.974	ng	
90) Benzo(a)pyrene	15.61	252	59130	14.842	ng	99
91) Dibenzo(a,h)anthracene	17.27	278	7524	2.289	ng	# 75
92) Benzo(a,h,i)perylene	17.76	276	29290	9.241	ng	97

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

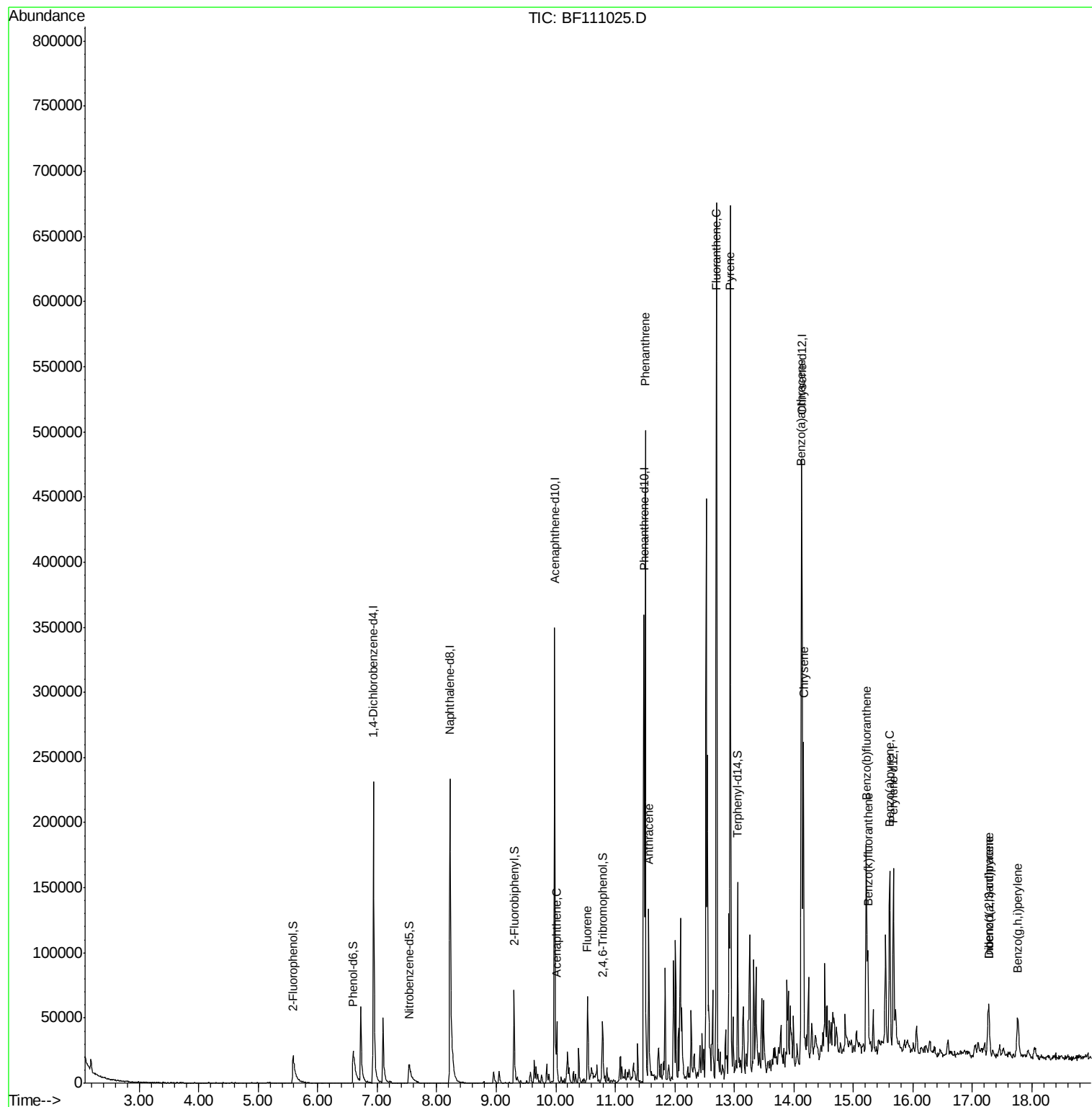
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

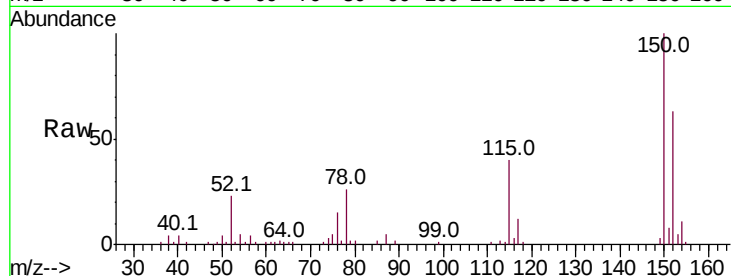
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF111025.D
Acq: 27 Nov 2018 23:18

Instrument :
BNA_F
ClientSampleId :
SU-03-112118-BDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	122.7	184.1
115	63.9	49.1	73.7

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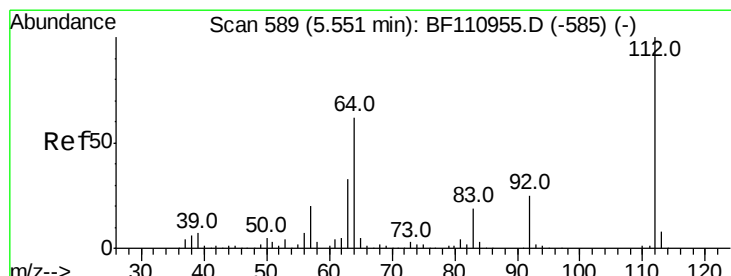
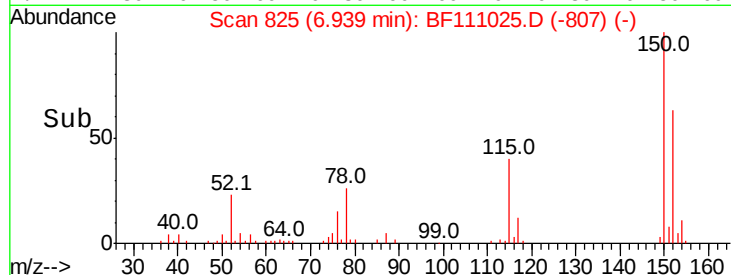
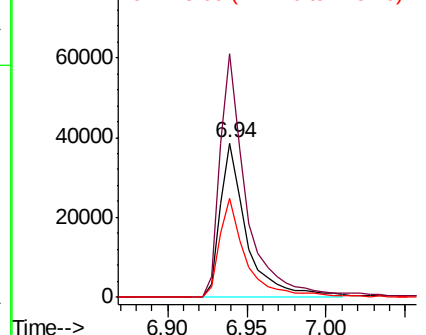


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

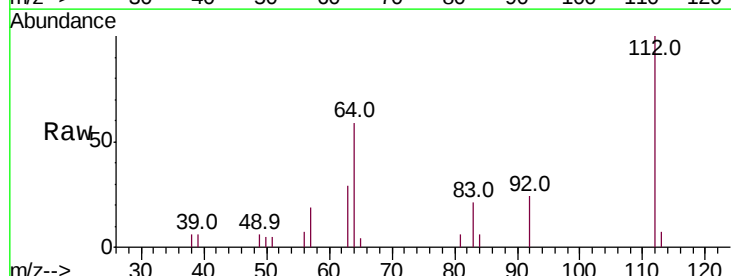
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 9.802 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.04 min
Lab File: BF111025.D
Acq: 27 Nov 2018 23:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	44.1	66.1
63	28.6	23.7	35.5

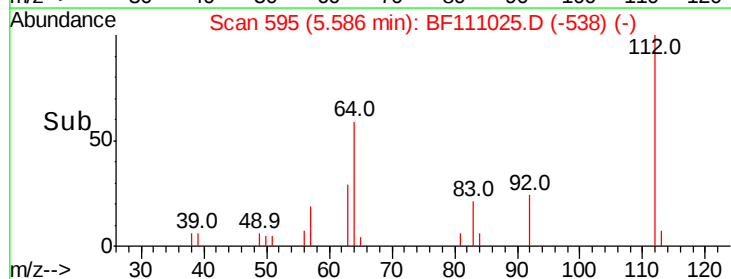
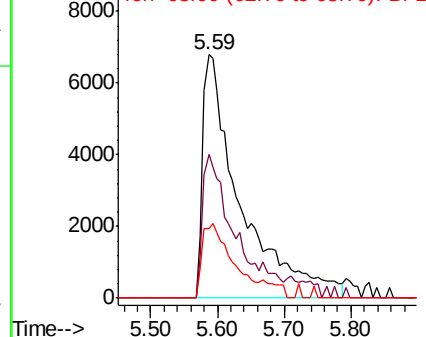


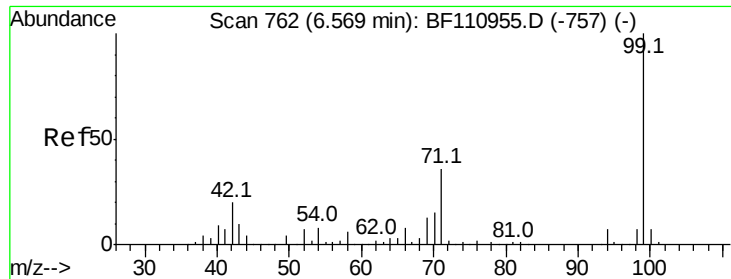
Abundance

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: 8.396 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.02 min

Lab File: BF111025.D

Acq: 27 Nov 2018 23:18

Instrument :

BNA_F

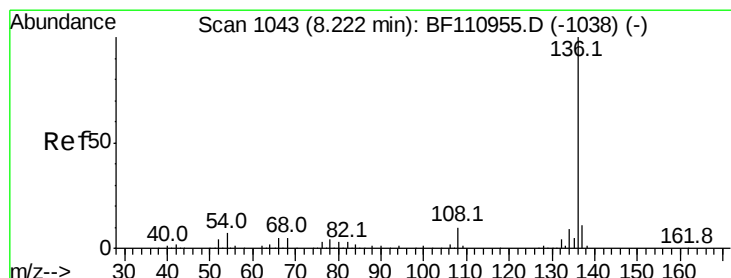
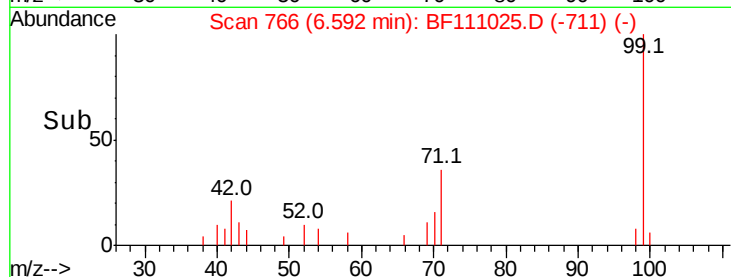
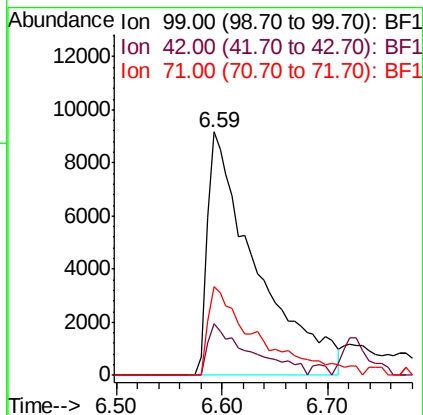
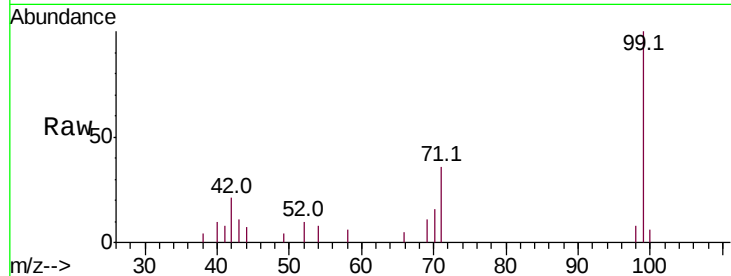
ClientSampleId :

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Tot Ion:	99	Resp:	29457
Ion Ratio	Lower	Upper	
99	100		
42	21.3	15.8	23.6
71	36.3	28.0	42.0

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#21

Naphthalene-d8

Concen: 20.000 ng

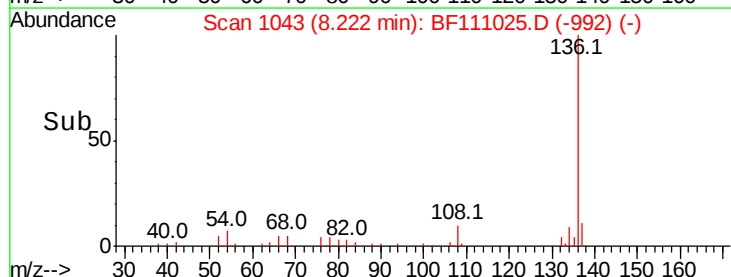
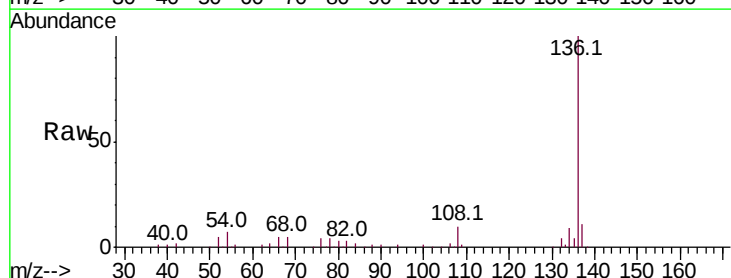
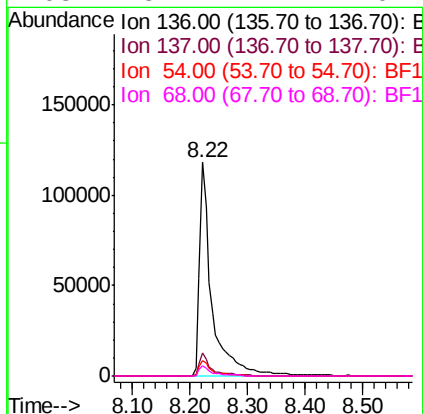
RT: 8.22 min Scan# 1043

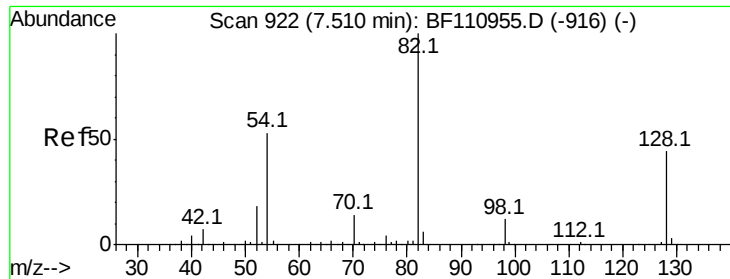
Delta R.T. -0.00 min

Lab File: BF111025.D

Acq: 27 Nov 2018 23:18

Tgt Ion:	136	Resp:	178288
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.8	13.2
54	7.5	5.4	8.2
68	5.1	4.2	6.2





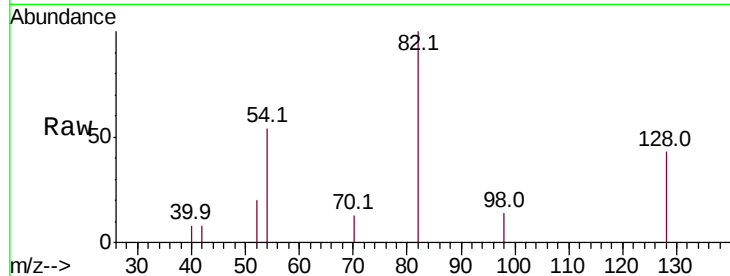
#23
Nitrobenzene-d5
Concen: 6.395 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.02 min
Lab File: BF111025.D
Acq: 27 Nov 2018 23:18

Instrument :
BNA_F
ClientSampleId :
SU-03-112118-BDL

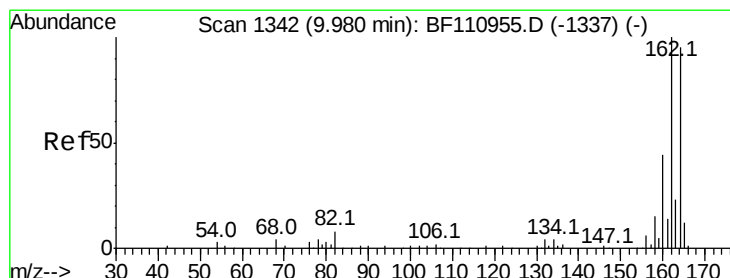
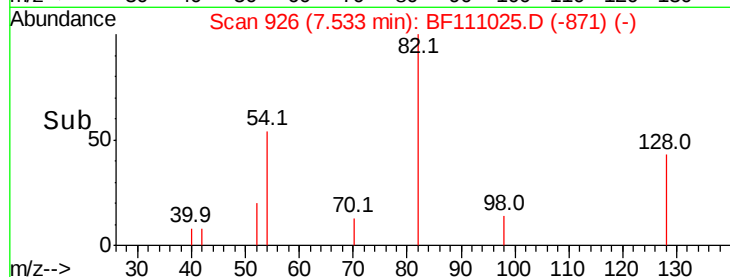
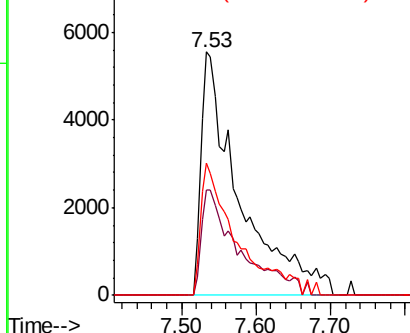
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.3	34.2	51.2
54	54.3	38.6	58.0

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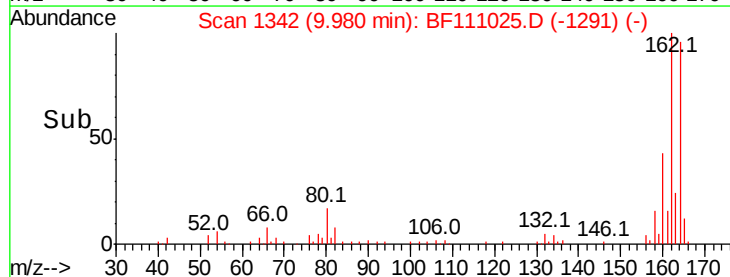
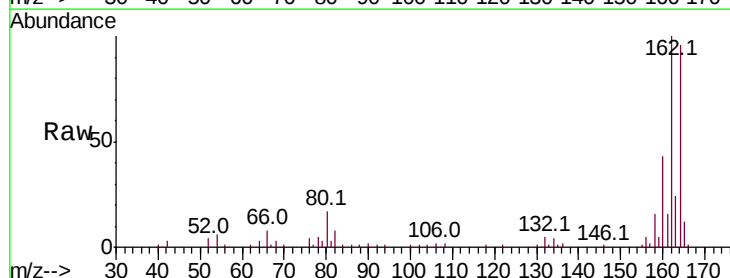
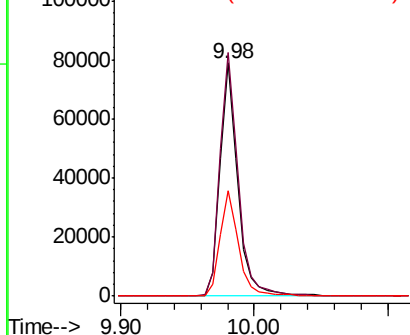
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

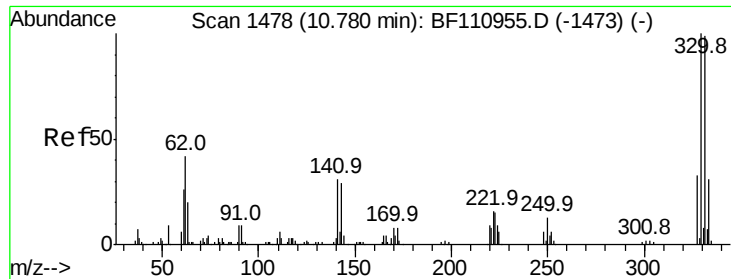


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BF111025.D
Acq: 27 Nov 2018 23:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	83.0	124.6
160	45.1	37.0	55.6

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: 8.866 ng

RT: 10.79 min Scan# 1479

Delta R.T. 0.01 min

Lab File: BF111025.D

Acq: 27 Nov 2018 23:18

Instrument :

BNA_F

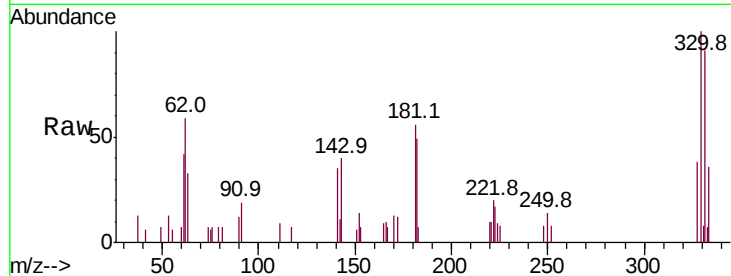
ClientSampleId :

SU-03-112118-BDL

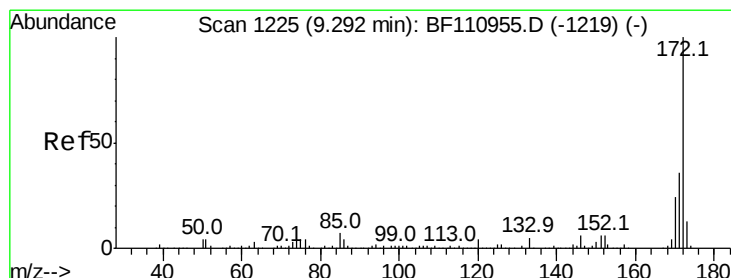
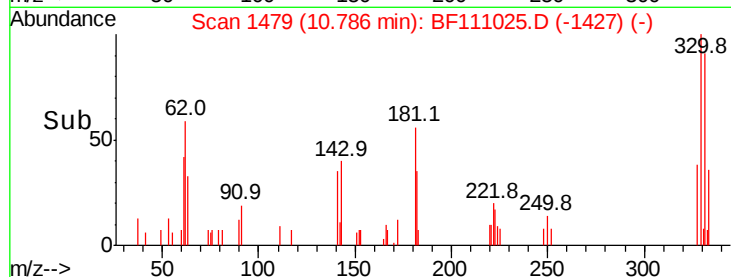
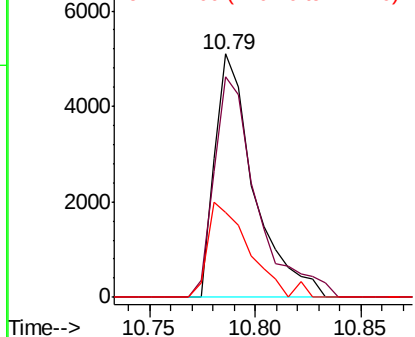
Tot Ion:	330	Resp:	6590
Ion Ratio	Lower	Upper	
330	100		
332	98.0	77.1	115.7
141	41.7	27.0	40.4#

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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: 6.690 ng

RT: 9.30 min Scan# 1226

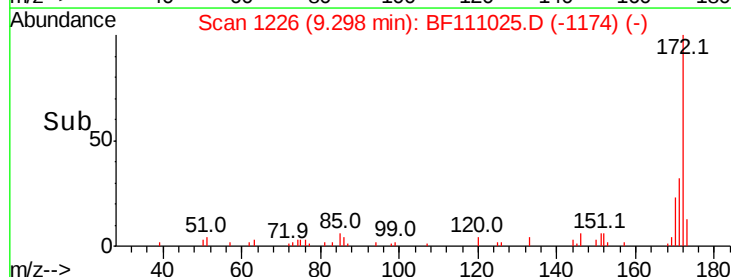
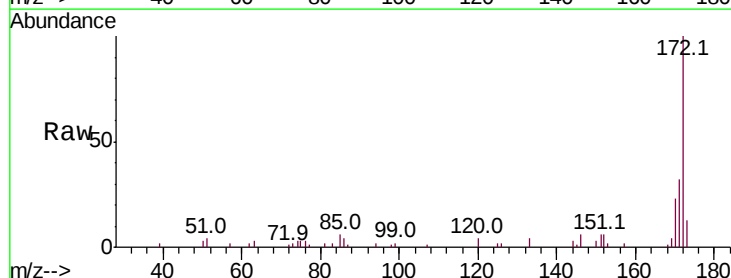
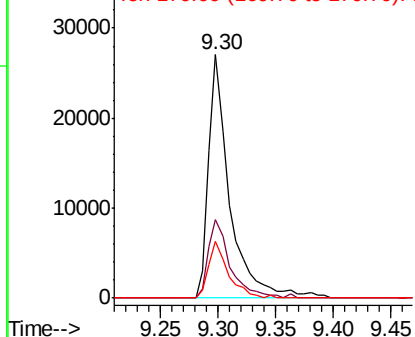
Delta R.T. 0.01 min

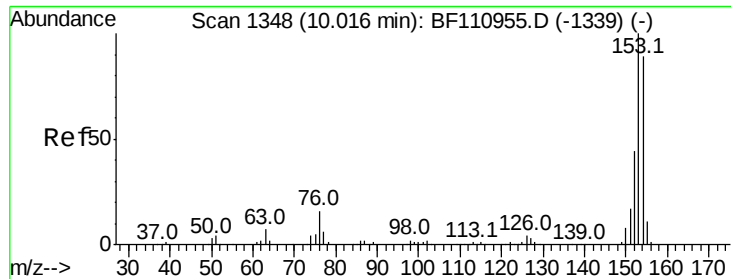
Lab File: BF111025.D

Acq: 27 Nov 2018 23:18

Tgt Ion:	172	Resp:	34561
Ion Ratio	Lower	Upper	
172	100		
171	32.2	28.6	43.0
170	23.3	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





#52

Acenaphthene

Concen: 2.385 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BF111025.D

Acq: 27 Nov 2018 23:18

Instrument :

BNA_F

ClientSampleId :

SU-03-112118-BDL

Tot Ion:154 Resp: 10875

Ion Ratio Lower Upper

154 100

153 124.7 90.1 135.1

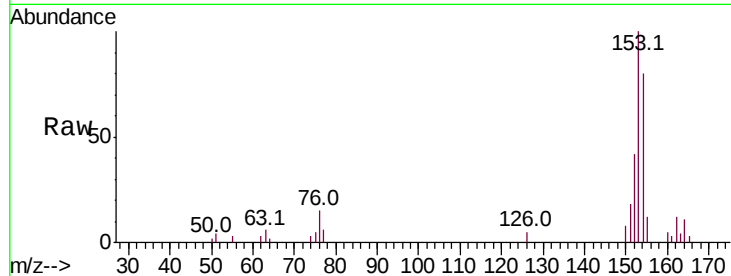
152 52.1 43.4 65.2

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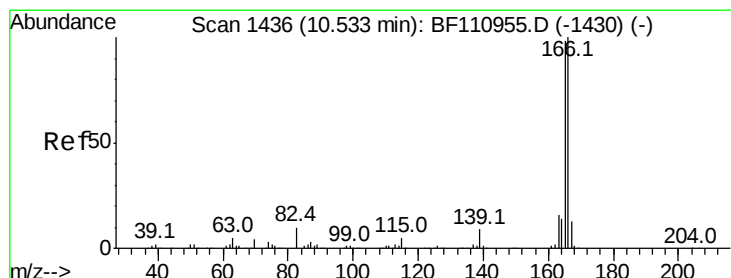
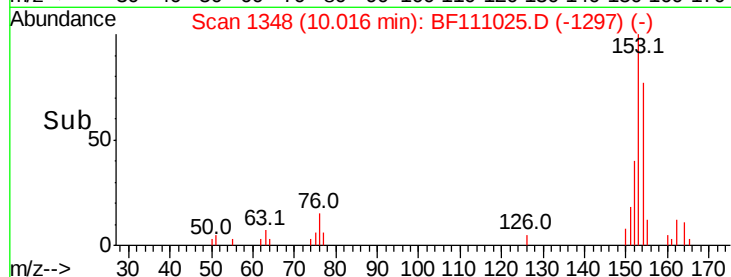
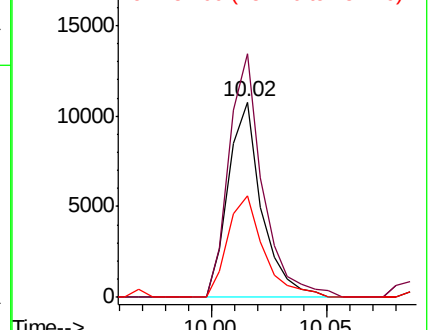
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 4.783 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.00 min

Lab File: BF111025.D

Acq: 27 Nov 2018 23:18

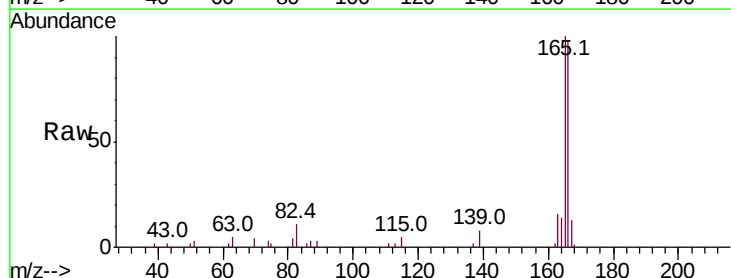
Tgt Ion:166 Resp: 24757

Ion Ratio Lower Upper

166 100

165 102.1 78.6 117.8

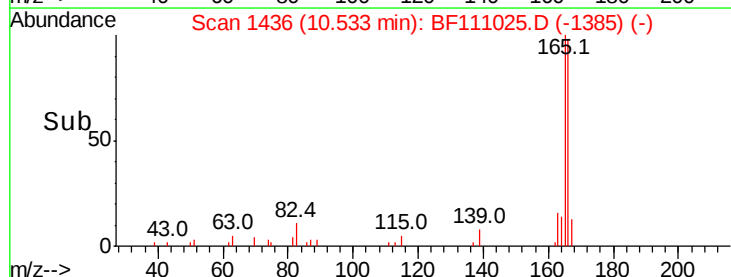
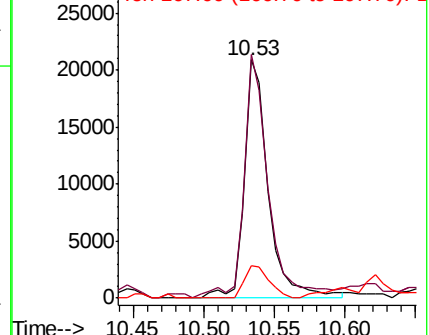
167 13.4 10.8 16.2

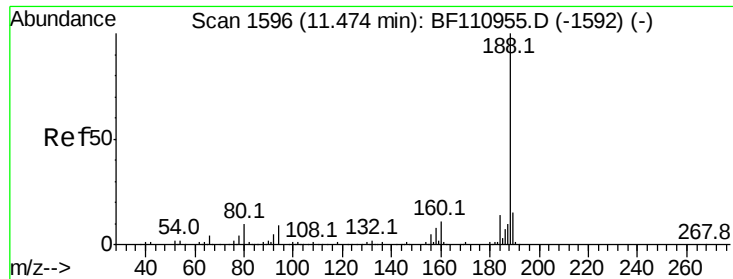


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





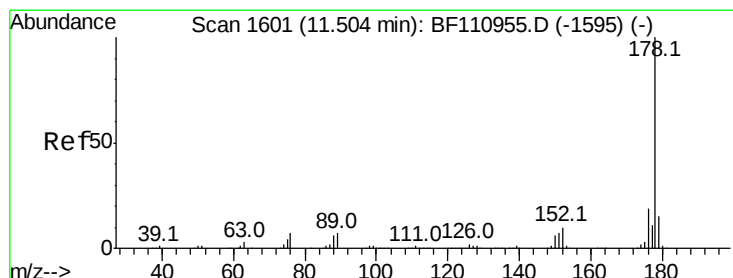
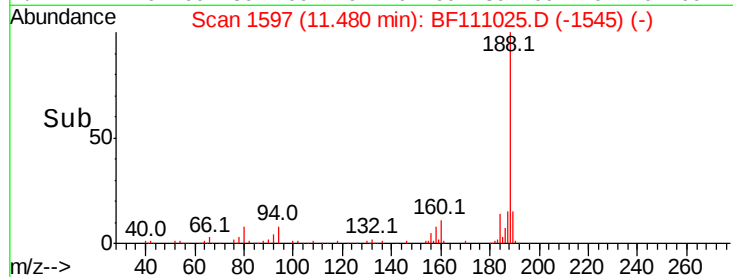
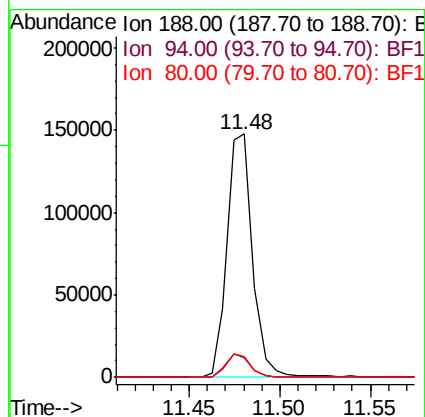
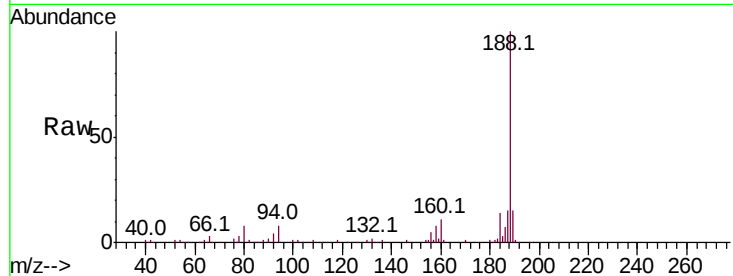
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. 0.01 min
Lab File: BF111025.D
Acq: 27 Nov 2018 23:18

Instrument :
BNA_F
ClientSampleId :
SU-03-112118-BDL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.0	7.2	10.8
80	8.4	7.9	11.9

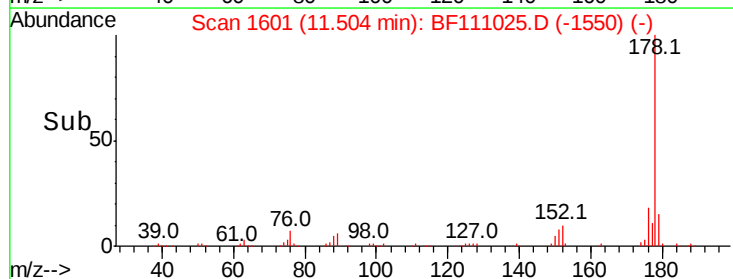
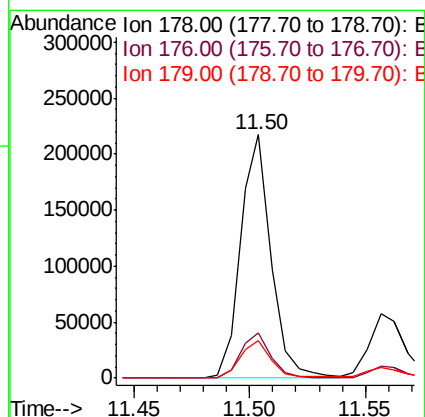
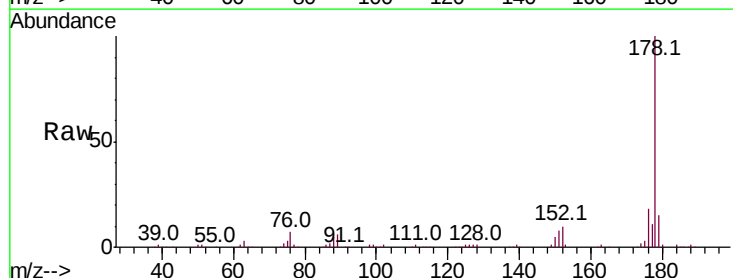
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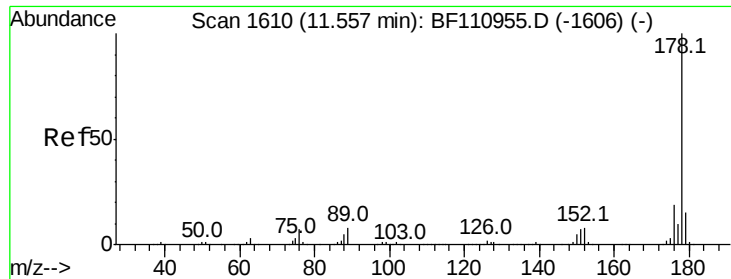
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#71
Phenanthrene
Concen: 25.910 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: BF111025.D
Acq: 27 Nov 2018 23:18

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.5	15.5	23.3
179	15.3	12.5	18.7





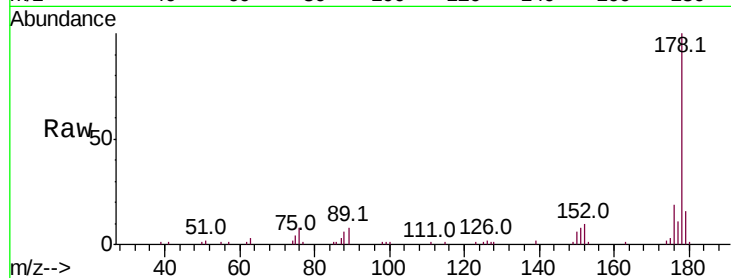
#72
 Anthracene
 Concen: 8.471 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.00 min
 Lab File: BF111025.D
 Acq: 27 Nov 2018 23:18

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-112118-BDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	16.3	12.6	18.8

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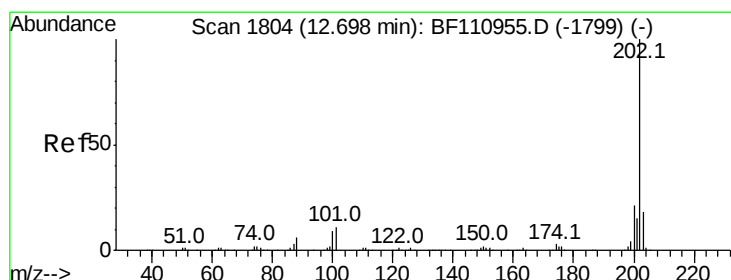
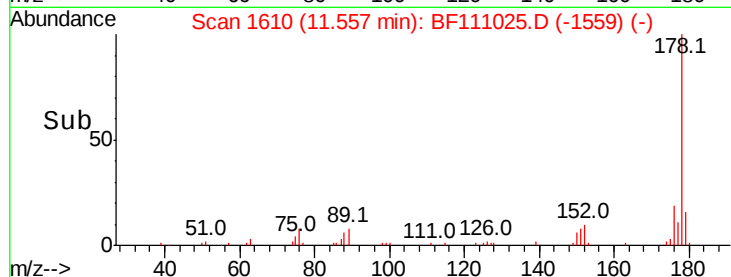
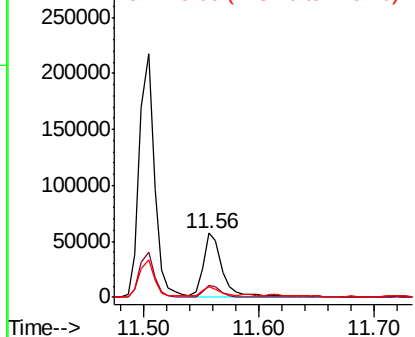


Abundance

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: 34.932 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: BF111025.D
 Acq: 27 Nov 2018 23:18

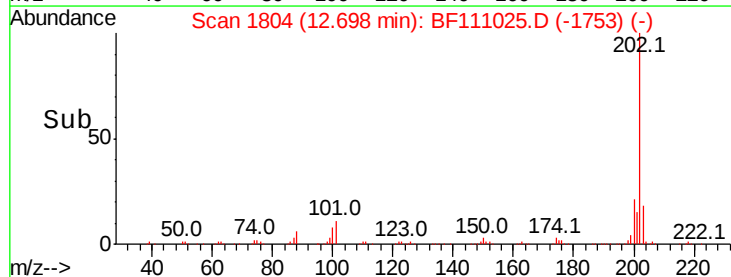
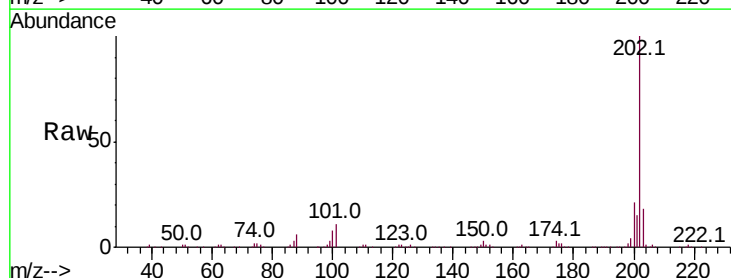
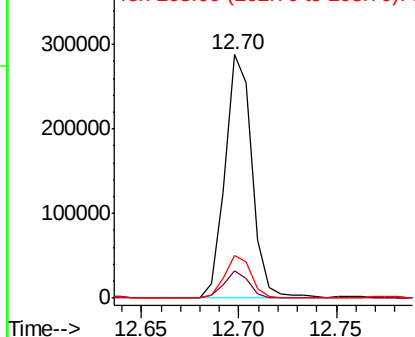
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.4
203	17.6	0.0	37.7

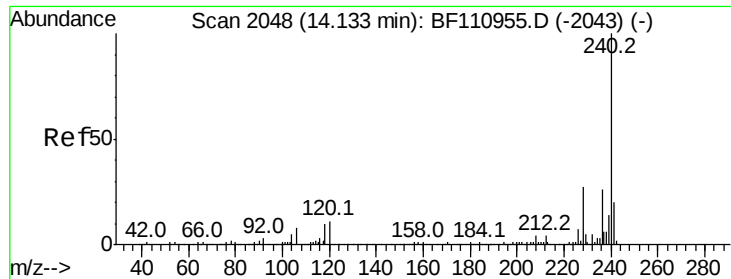
Abundance

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





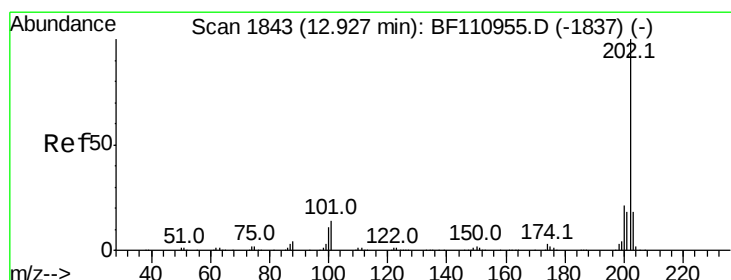
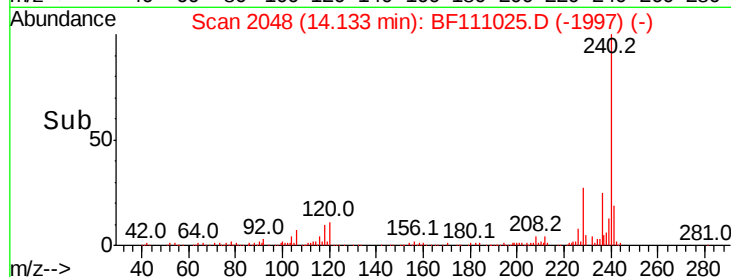
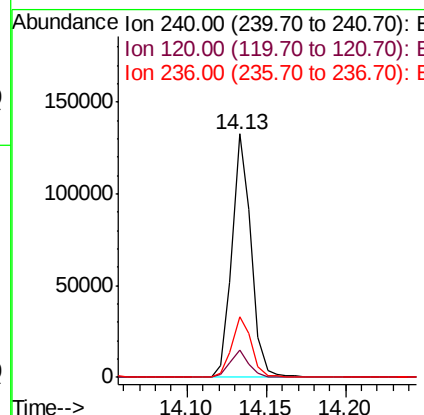
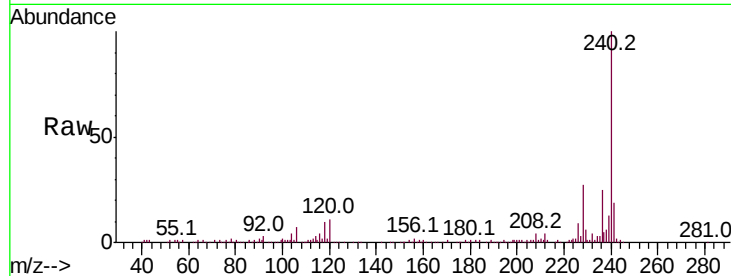
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.00 min
Lab File: BF111025.D
Acq: 27 Nov 2018 23:18

Instrument :
BNA_F
ClientSampleId :
SU-03-112118-BDL

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.3	12.5
236	24.8	21.2	31.8

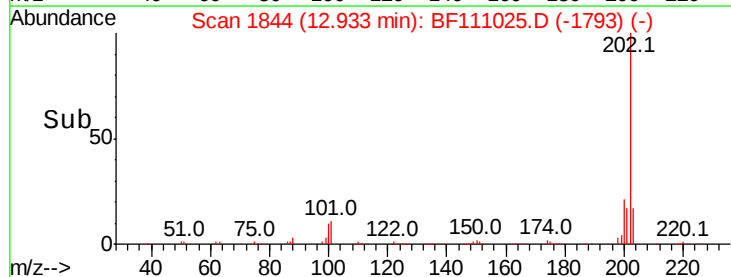
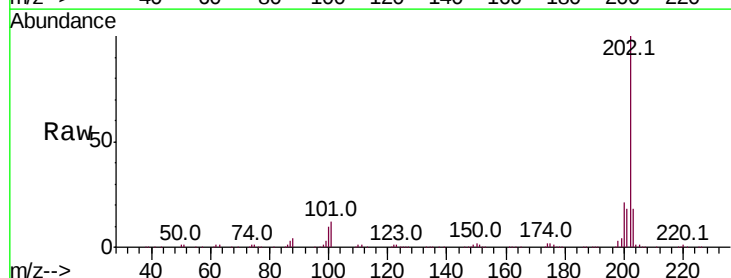
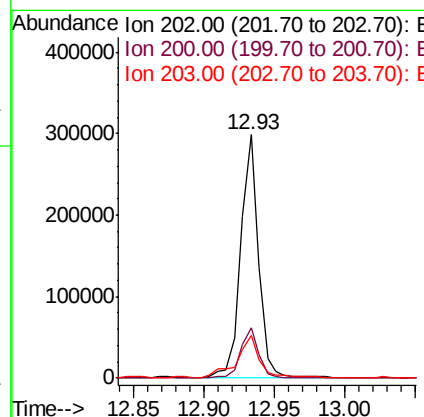
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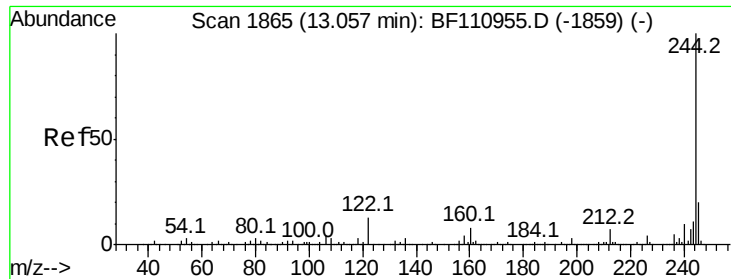
mohammad
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#78
Pyrene
Concen: 32.356 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.00 min
Lab File: BF111025.D
Acq: 27 Nov 2018 23:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.8	26.6
203	17.6	14.2	21.4





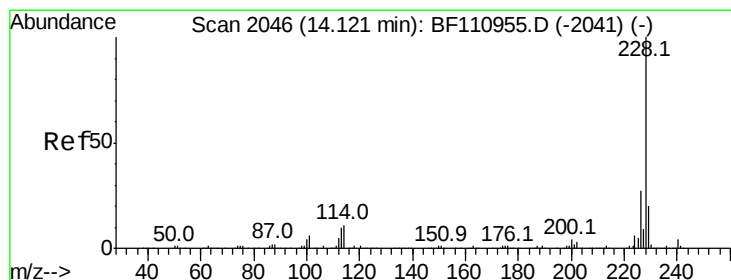
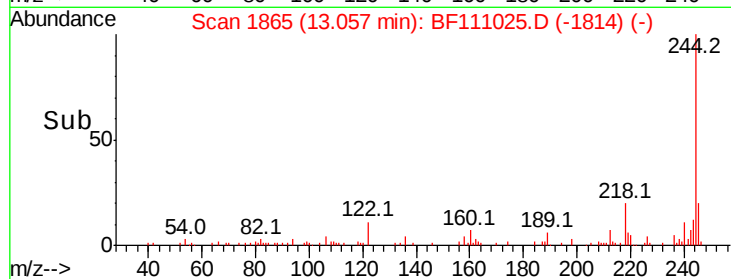
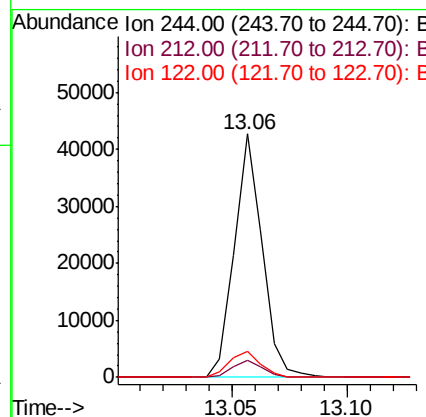
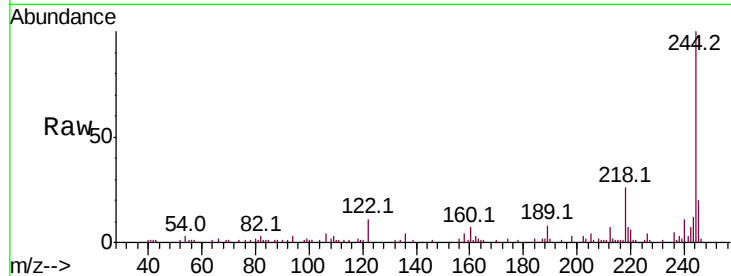
#79
 Terphenyl-d14
 Concen: 6.322 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: BF111025.D
 Acq: 27 Nov 2018 23:18

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-112118-BDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	10.8	8.7	13.1

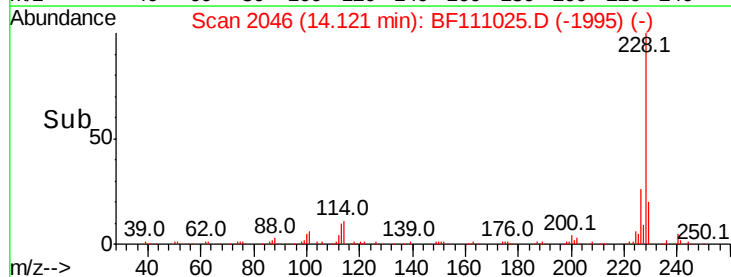
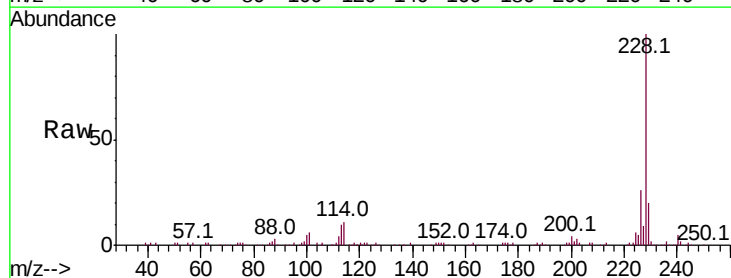
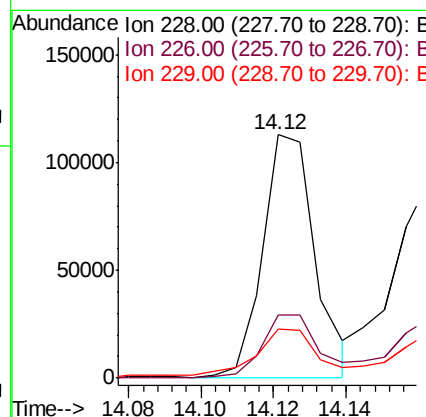
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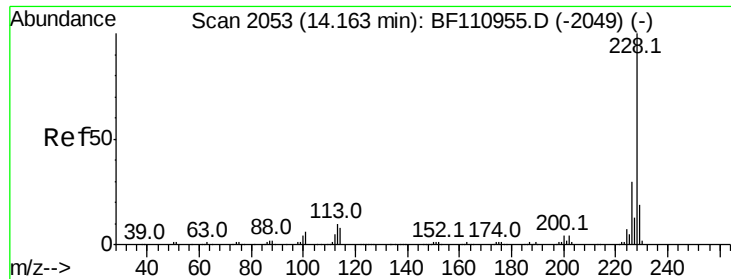
mohammad
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#81
 Benzo(a)anthracene
 Concen: 17.162 ng
 RT: 14.12 min Scan# 2046
 Delta R.T. -0.00 min
 Lab File: BF111025.D
 Acq: 27 Nov 2018 23:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.1	22.1	33.1
229	20.3	15.6	23.4





#83

Chrysene

Concen: 14.918 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BF111025.D

Acq: 27 Nov 2018 23:18

Instrument :

BNA_F

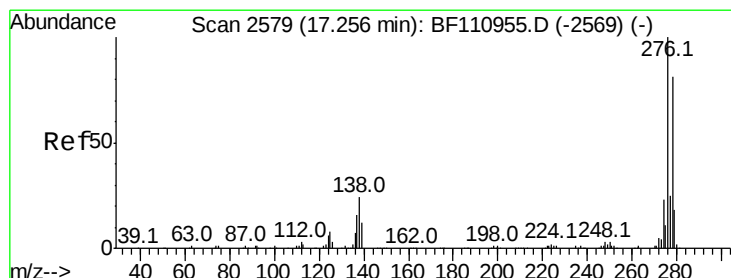
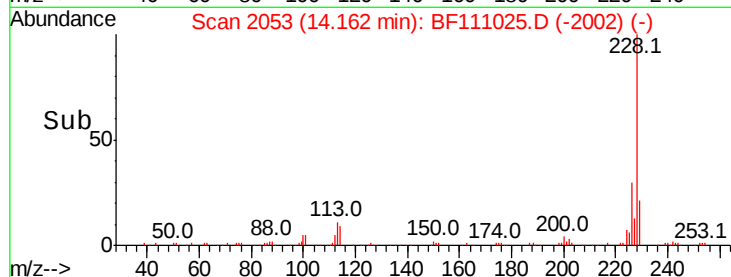
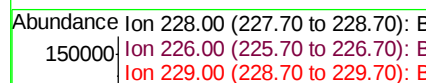
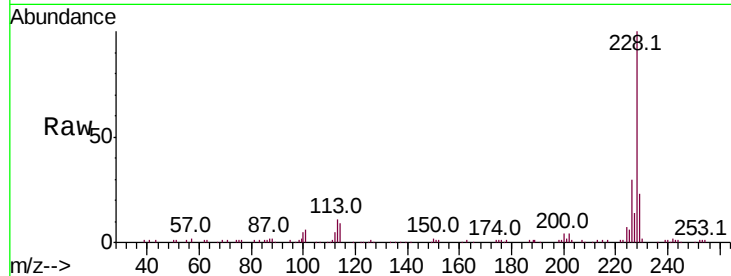
ClientSampleId :

SU-03-112118-BDL

Tot Ion:	228	Resp:	95879
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.7	37.1
229	22.6	15.9	23.9

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#86

Indeno(1,2,3-cd)pyrene

Concen: 7.263 ng

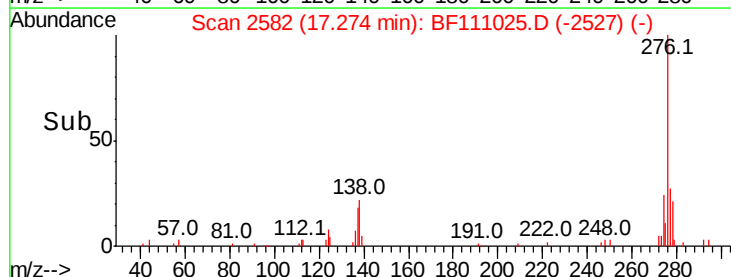
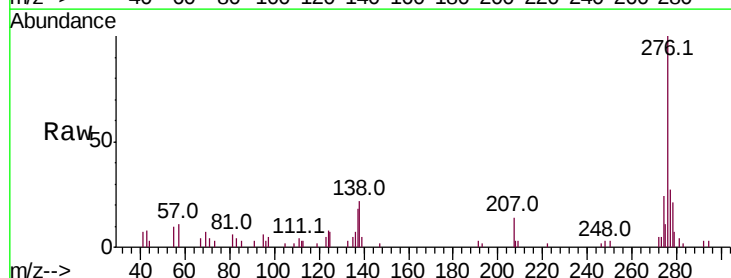
RT: 17.27 min Scan# 2582

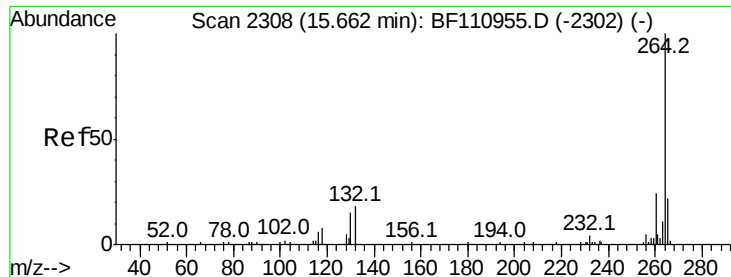
Delta R.T. 0.02 min

Lab File: BF111025.D

Acq: 27 Nov 2018 23:18

Tgt Ion:	276	Resp:	33504
Ion Ratio	Lower	Upper	
276	100		
138	21.0	18.5	27.7
277	24.8	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2310

Delta R.T. 0.01 min

Lab File: BF111025.D

Acq: 27 Nov 2018 23:18

Instrument :

BNA_F

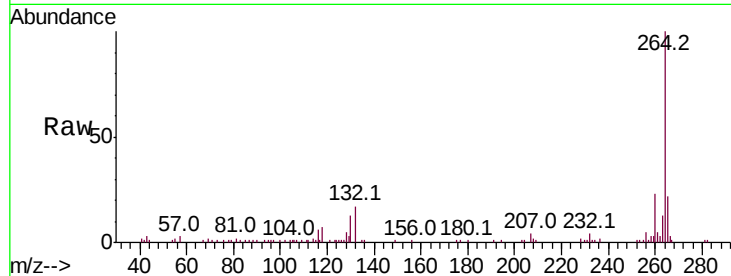
ClientSampleId :

SU-03-112118-BDL

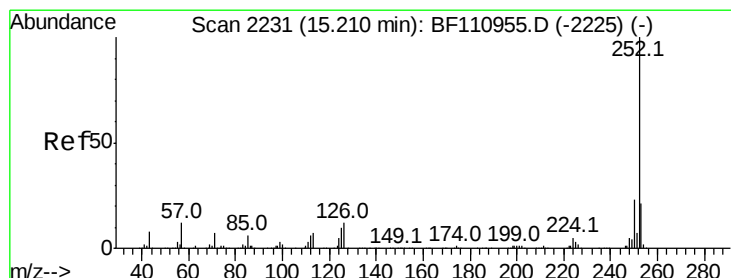
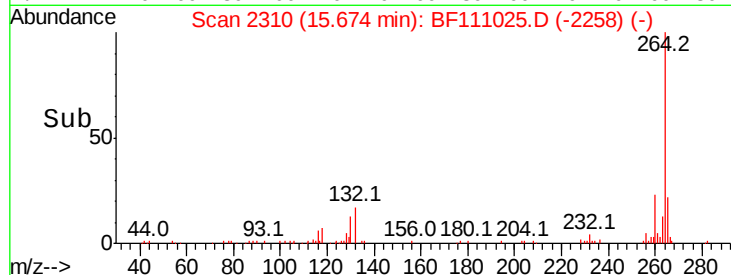
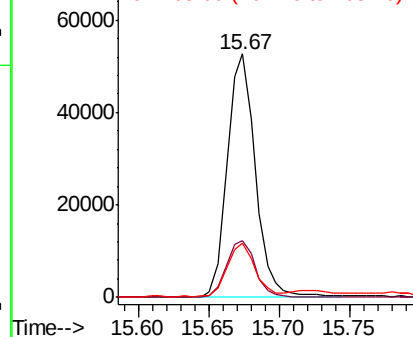
Tot Ion:	264	Resp:	72858
Ion Ratio	Lower	Upper	
264	100		
260	23.2	18.7	28.1
265	22.0	16.7	25.1

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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: 18.362 ng m

RT: 15.22 min Scan# 2232

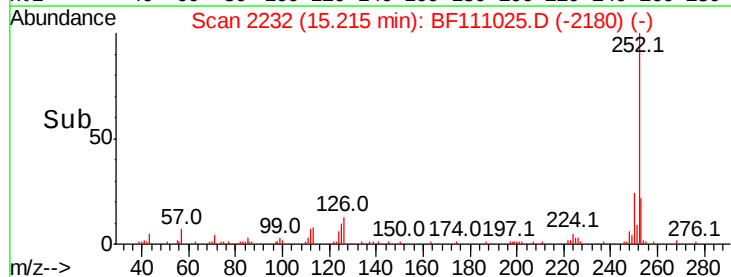
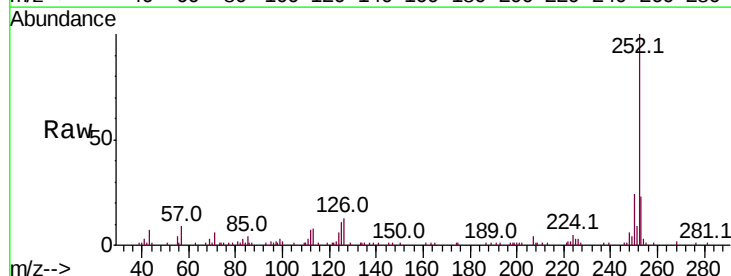
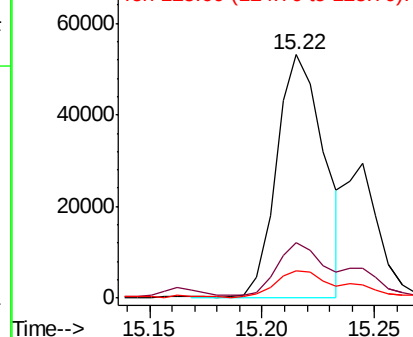
Delta R.T. 0.01 min

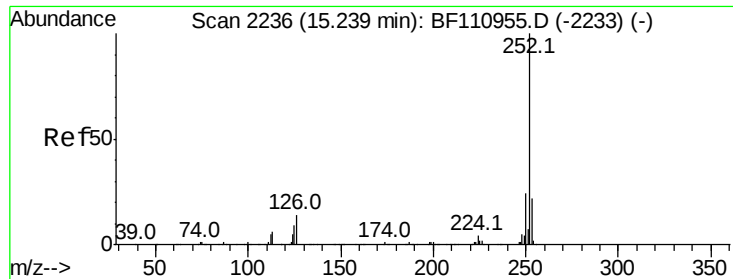
Lab File: BF111025.D

Acq: 27 Nov 2018 23:18

Tgt Ion:	252	Resp:	78590
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.2	25.8
125	11.1	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





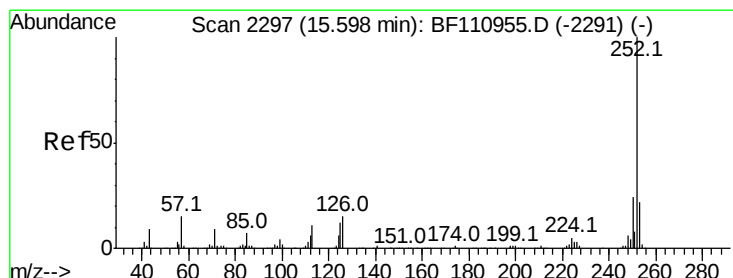
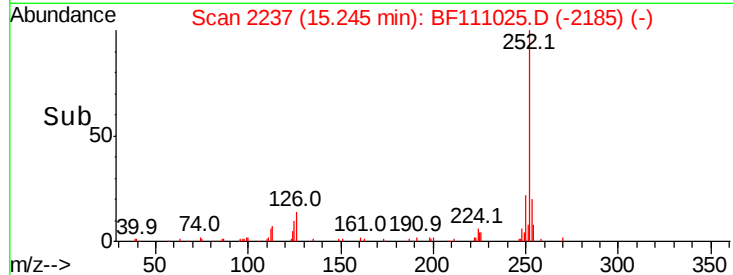
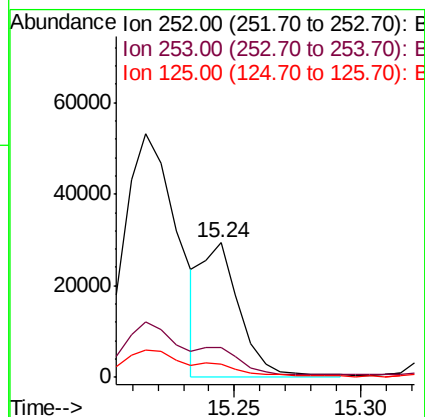
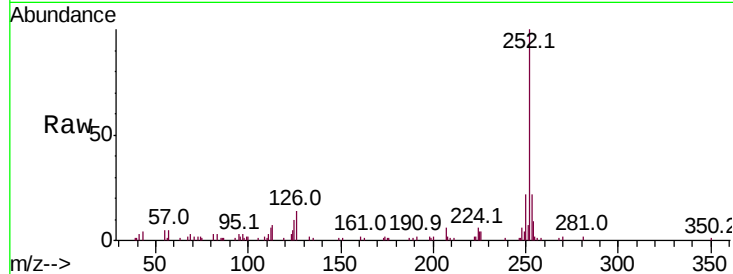
#89
Benzo(k)fluoranthene
Concen: 6.974 ng m
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF111025.D
Acq: 27 Nov 2018 23:18

Instrument :
BNA_F
ClientSampleId :
SU-03-112118-BDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	9.6	7.4	11.0

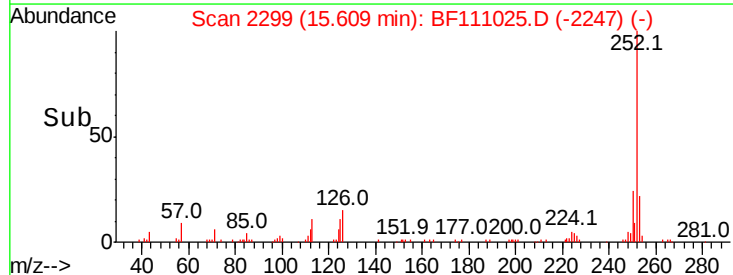
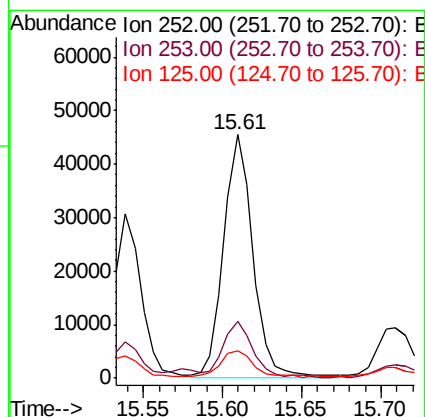
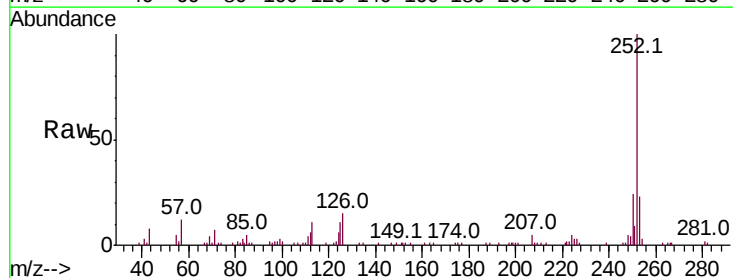
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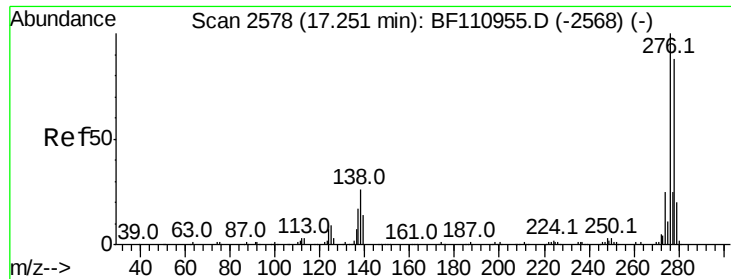
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#90
Benzo(a)pyrene
Concen: 14.842 ng
RT: 15.61 min Scan# 2299
Delta R.T. 0.01 min
Lab File: BF111025.D
Acq: 27 Nov 2018 23:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.4
125	11.4	9.0	13.6





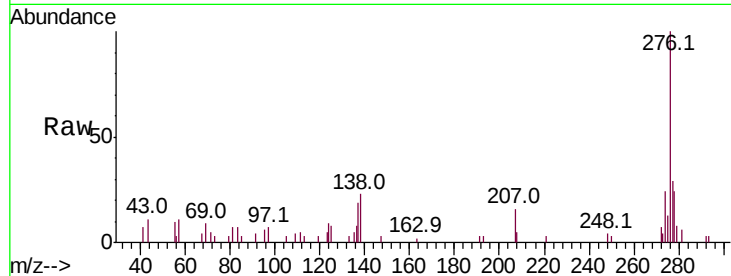
#91
Dibenzo(a,h)anthracene
Concen: 2.289 ng
RT: 17.27 min Scan# 2581
Delta R.T. 0.02 min
Lab File: BF111025.D
Acq: 27 Nov 2018 23:18

Instrument :
BNA_F
ClientSampleId :
SU-03-112118-BDL

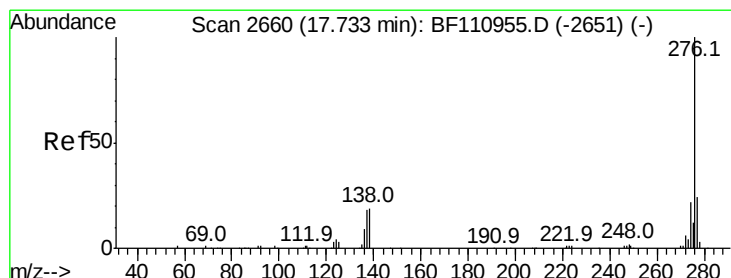
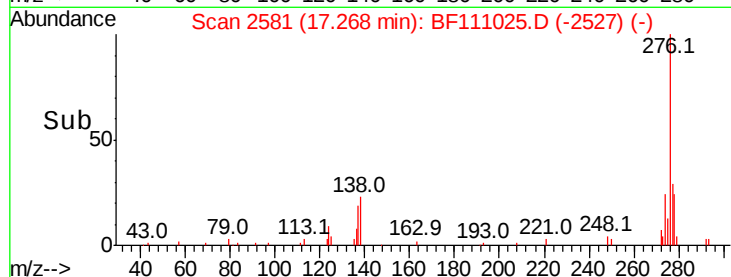
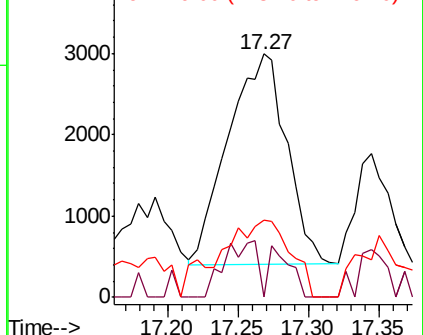
Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1#
279	31.5	19.0	28.4#

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 9.241 ng
RT: 17.76 min Scan# 2665
Delta R.T. 0.02 min
Lab File: BF111025.D
Acq: 27 Nov 2018 23:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.8	28.2
138	22.2	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

