

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
 Data File : BF112163.D
 Acq On : 21 Jan 2019 17:20
 Operator : JU/SJ
 Sample : K1013-07 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-011819-D

Manual Integrations
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 1/22/2019 9:59:11 AM

Quant Time: Jan 21 18:12:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	204924	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	679835	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	268094	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	529267	20.00	ng	0.00
76) Chrysene-d12	14.02	240	449955	20.00	ng	0.00
87) Perylene-d12	15.50	264	329972	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	229159	20.30	ng	0.00
7) Phenol-d6	6.49	99	266450	18.86	ng	-0.01
23) Nitrobenzene-d5	7.41	82	137404	13.96	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	54959	19.00	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	270285	14.78	ng	0.00
79) Terphenyl-d14	12.96	244	310365	14.67	ng	-0.01
Target Compounds						
58) Fluorene	10.44	166	52427	2.962	ng	98
71) Phenanthrene	11.40	178	383153	14.385	ng	97
72) Anthracene	11.45	178	134602	4.989	ng	98
75) Fluoranthene	12.59	202	652818	23.213	ng	99
78) Pyrene	12.82	202	593995	20.009	ng	99
81) Benzo(a)anthracene	14.01	228	286316	11.098	ng	99
83) Chrysene	14.04	228	235703	9.655	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	91219	4.050	ng	96
88) Benzo(b)fluoranthene	15.06	252	239201m	12.771	ng	
89) Benzo(k)fluoranthene	15.09	252	92230m	5.088	ng	
90) Benzo(a)pyrene	15.43	252	170639	9.934	ng	# 93
92) Benzo(a,h,i)perylene	17.42	276	84019	5.590	ng	# 93

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

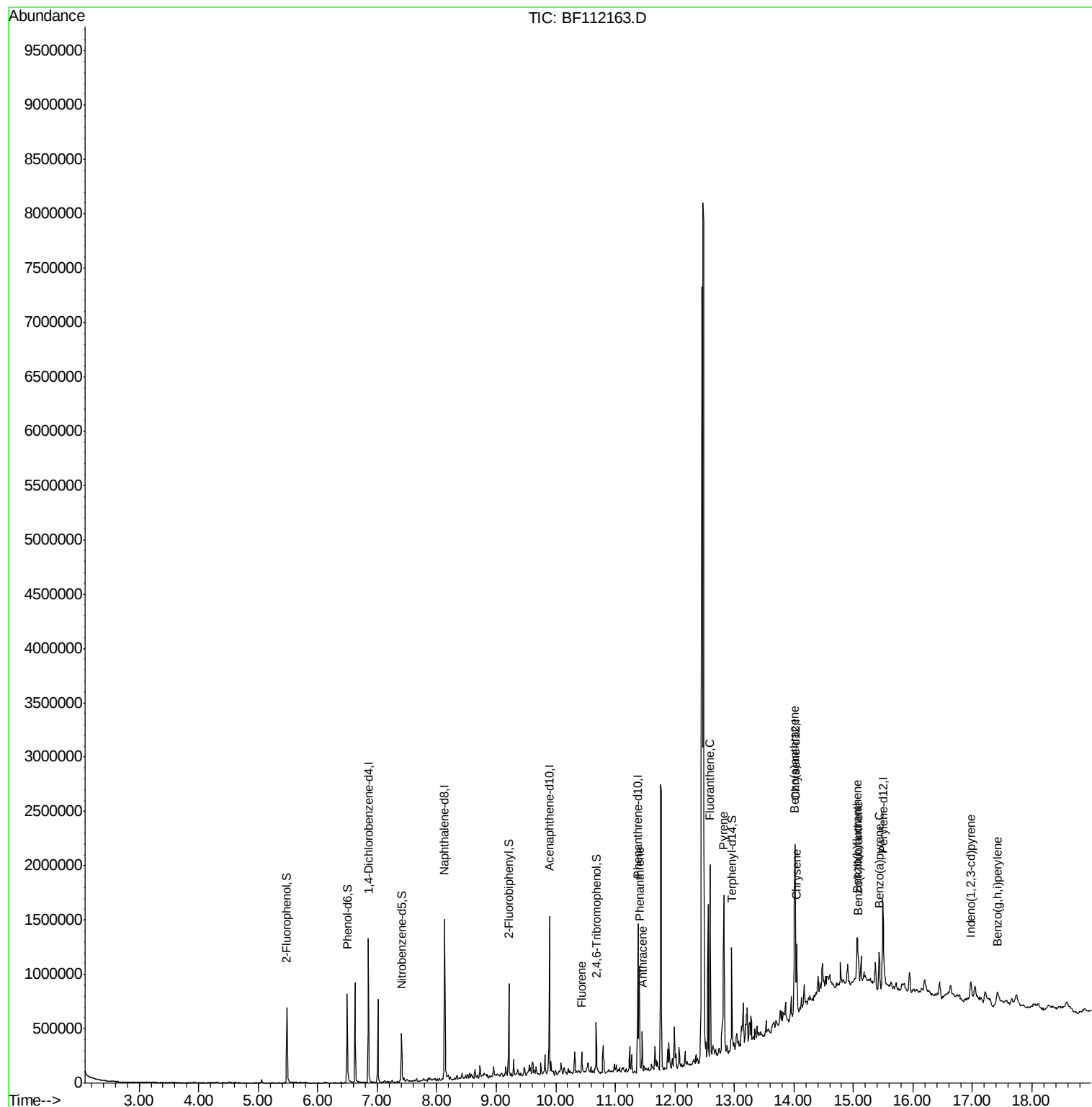
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
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Misc :
ALS Vial : 14 Sample Multiplier: 1

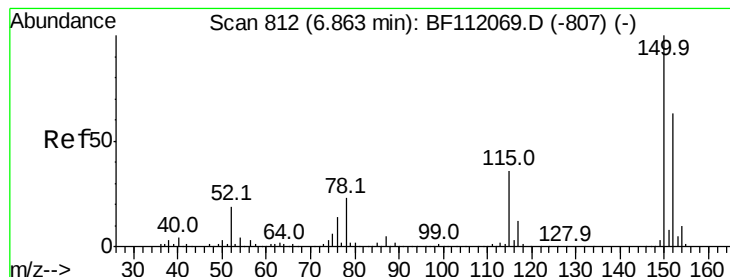
Instrument :
BNA_F
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PL-01-011819-D

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
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#1

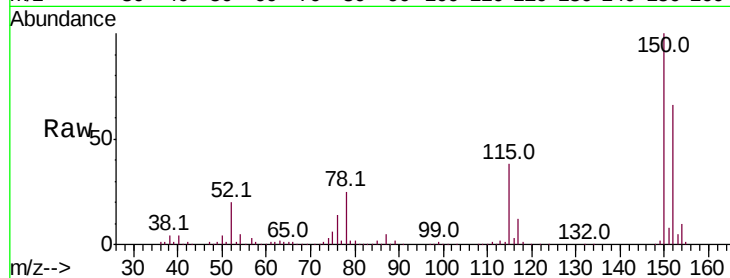
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	127.4	191.0
115	58.7	45.5	68.3

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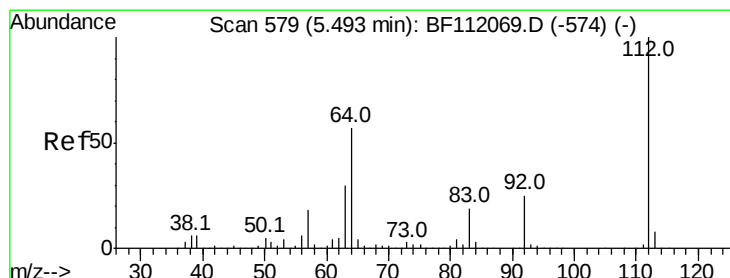
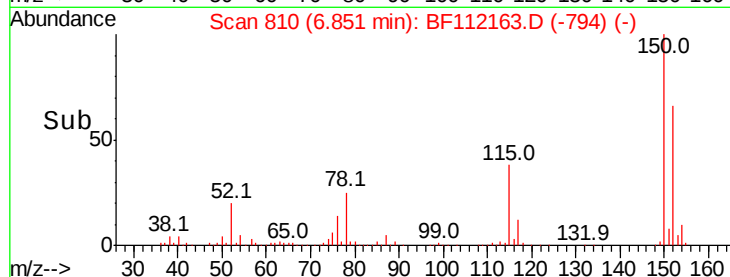
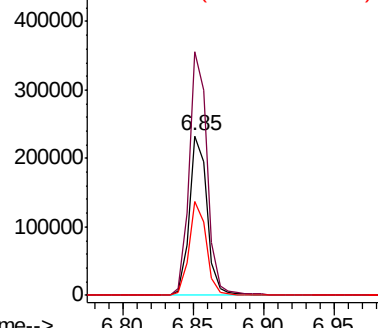


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

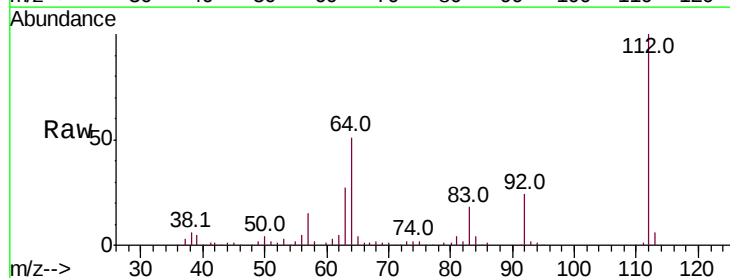
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 20.297 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.1	45.7	68.5
63	27.4	23.6	35.4

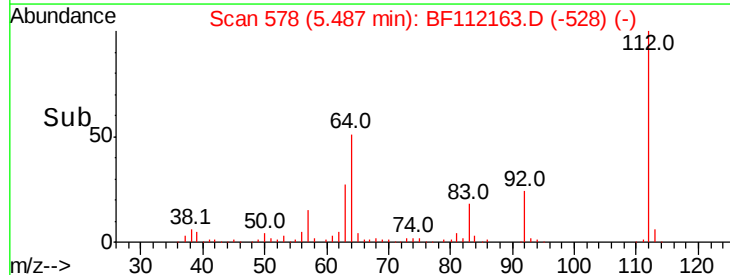
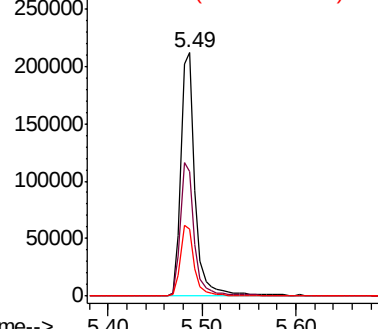


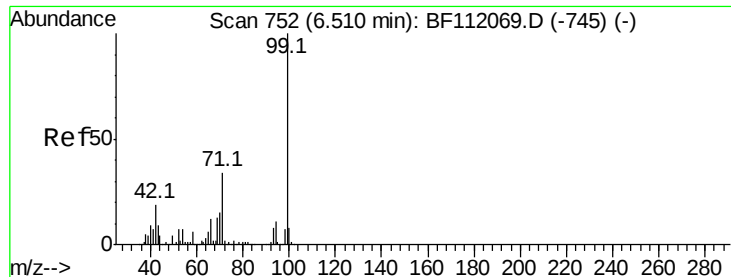
Abundance

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: 18.862 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112163.D

Acq: 21 Jan 2019 17:20

Instrument :

BNA_F

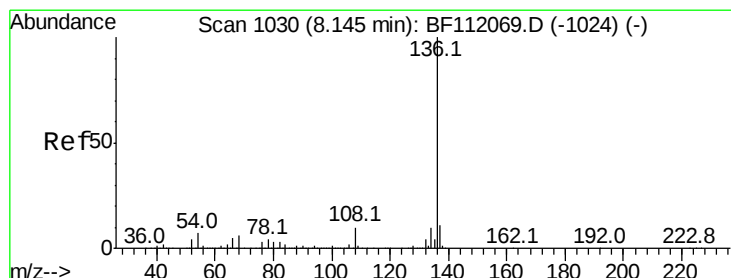
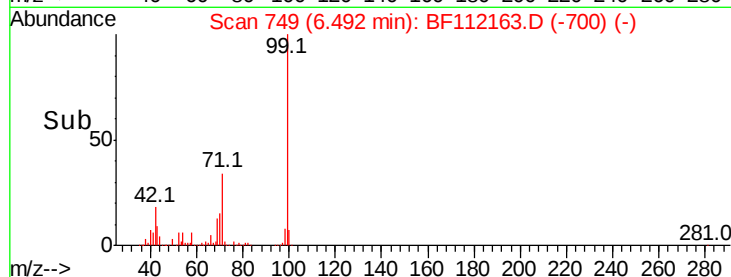
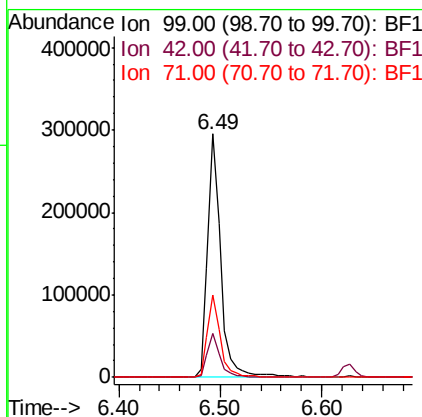
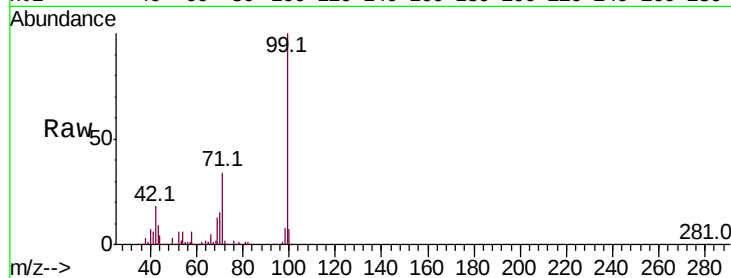
ClientSampleId :

PL-01-011819-D

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		266450		
42	17.8	15.1	22.7		
71	33.7	26.9	40.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

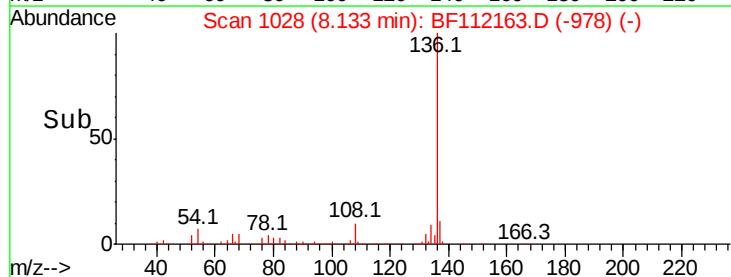
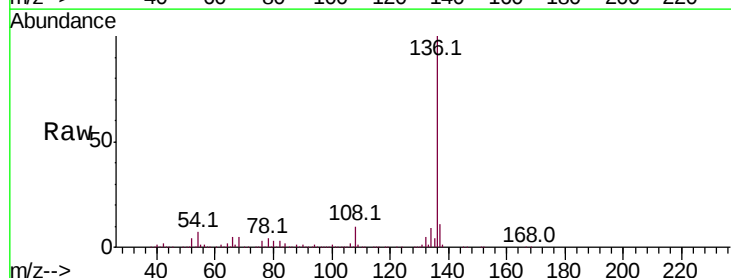
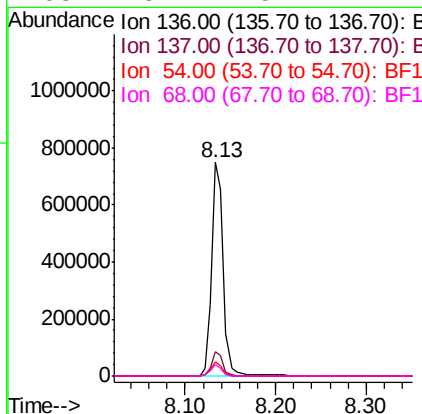
RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF112163.D

Acq: 21 Jan 2019 17:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		679835		
137	11.4	9.1	13.7		
54	6.6	5.9	8.9		
68	5.4	5.1	7.7		





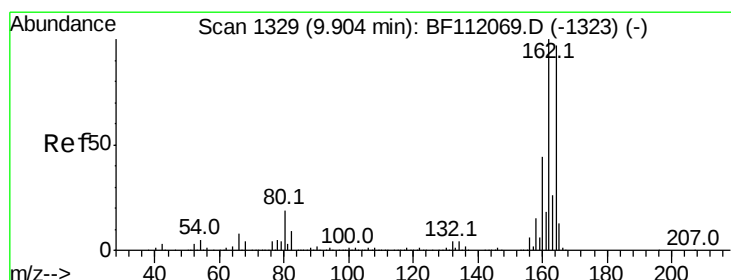
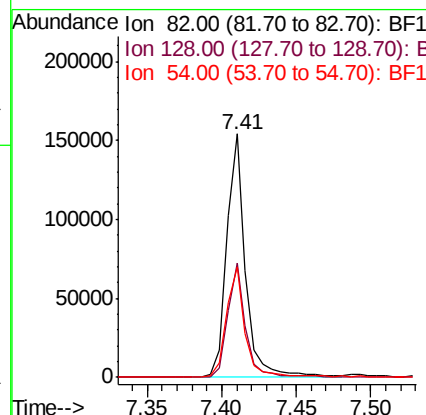
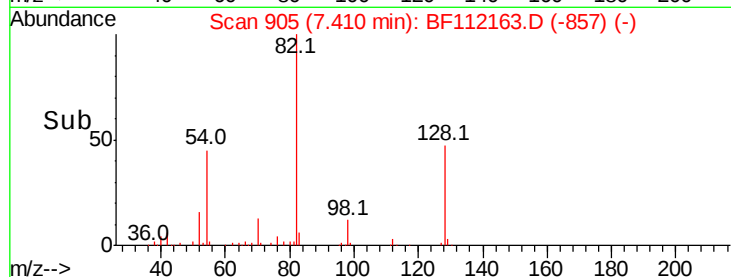
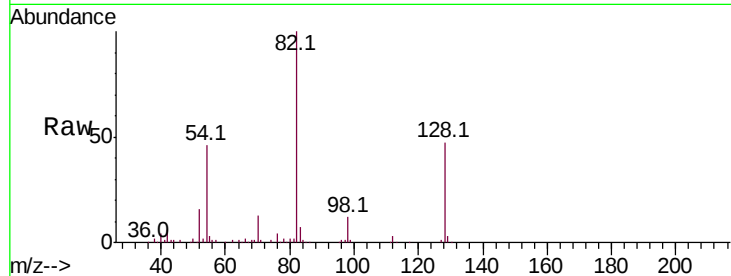
#23
 Nitrobenzene-d5
 Concen: 13.964 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.02 min
 Lab File: BF112163.D
 Acq: 21 Jan 2019 17:20

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-011819-D

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.8	56.8
54	45.6	39.7	59.5

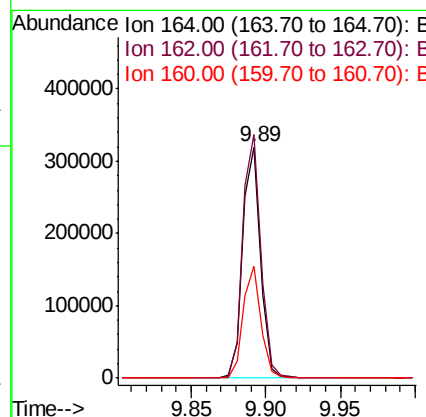
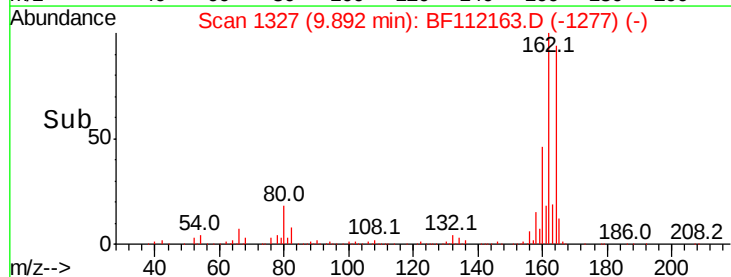
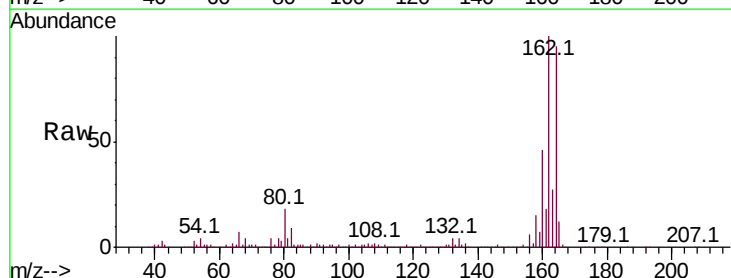
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF112163.D
 Acq: 21 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	82.2	123.4
160	48.1	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 19.003 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF112163.D

Acq: 21 Jan 2019 17:20

Instrument :

BNA_F

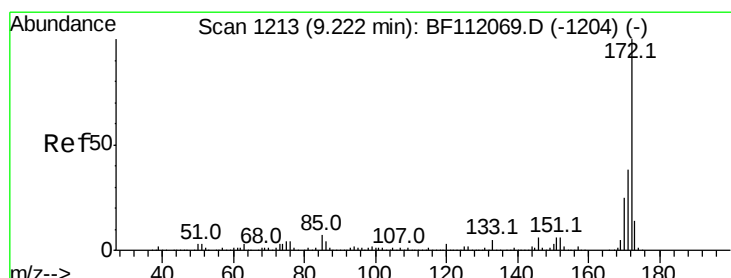
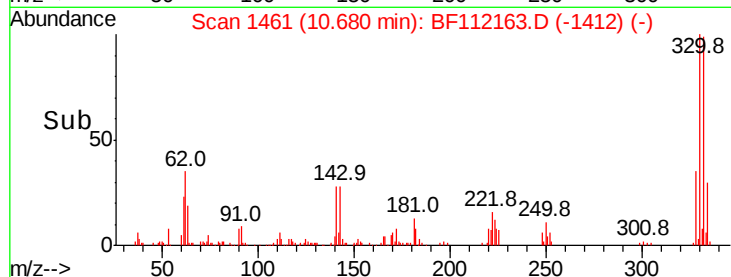
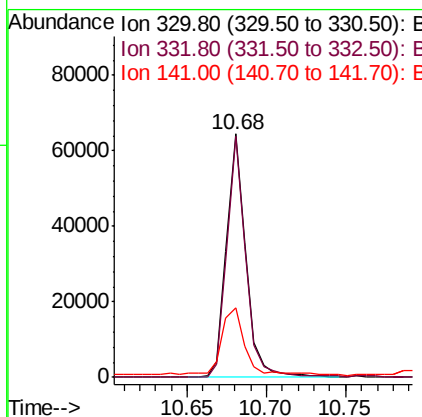
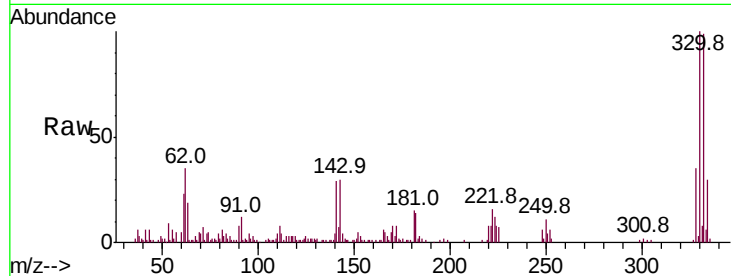
ClientSampleId :

PL-01-011819-D

Tot Ion:	330	Resp:	54959
Ion Ratio	Lower	Upper	
330	100		
332	96.8	76.6	114.8
141	34.1	24.3	36.5

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#45

2-Fluorobiphenyl

Concen: 14.781 ng

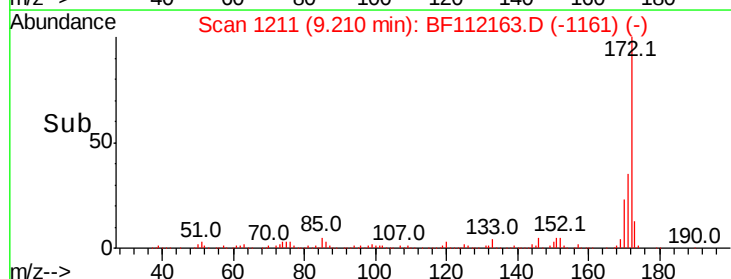
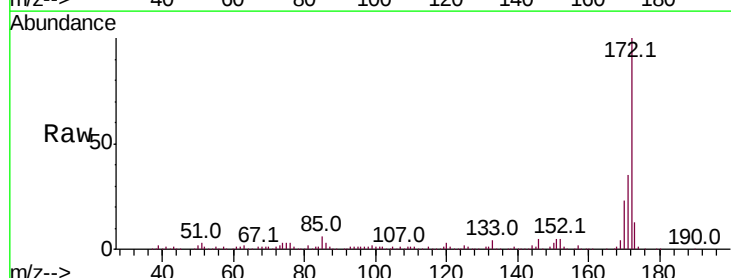
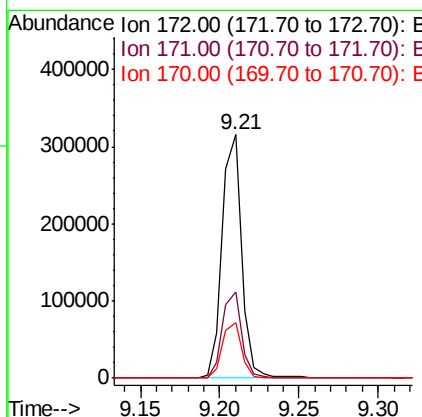
RT: 9.21 min Scan# 1211

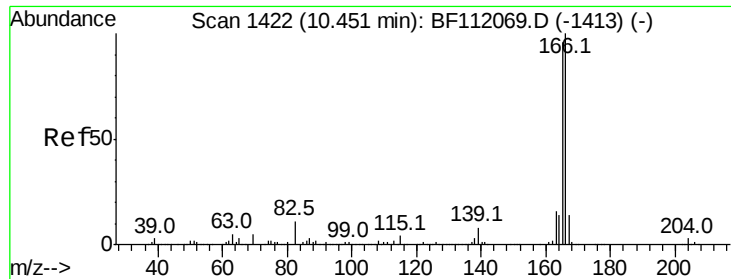
Delta R.T. -0.01 min

Lab File: BF112163.D

Acq: 21 Jan 2019 17:20

Tgt Ion:	172	Resp:	270285
Ion Ratio	Lower	Upper	
172	100		
171	35.4	30.5	45.7
170	22.5	20.2	30.4





#58

Fluorene

Concen: 2.962 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

Lab File: BF112163.D

Acq: 21 Jan 2019 17:20

Instrument :

BNA_F

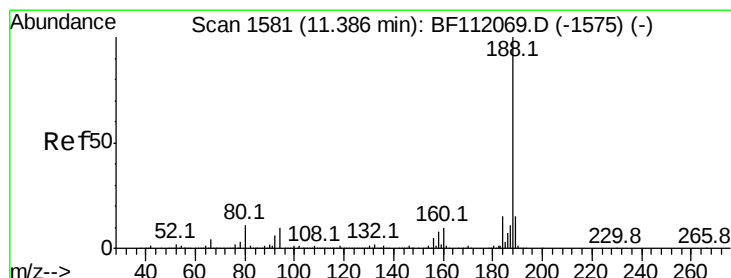
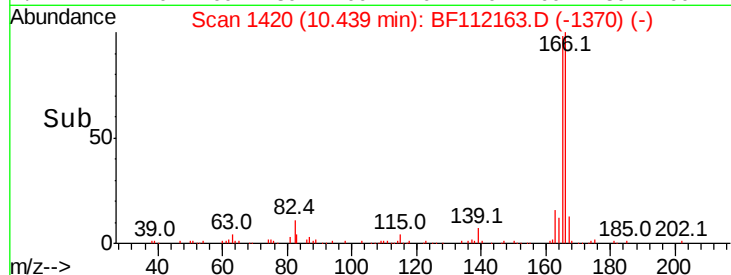
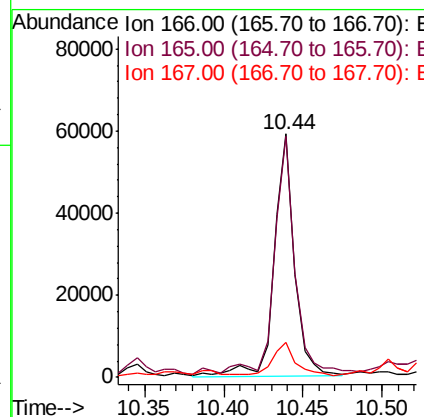
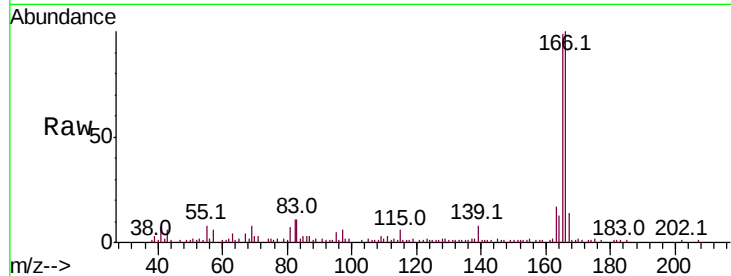
ClientSampleId :

PL-01-011819-D

Tot Ion:	166	Resp:	52427
Ion Ratio	Lower	Upper	
166	100		
165	98.9	77.1	115.7
167	14.4	11.3	16.9

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#64

Phenanthrene-d10

Concen: 20.000 ng

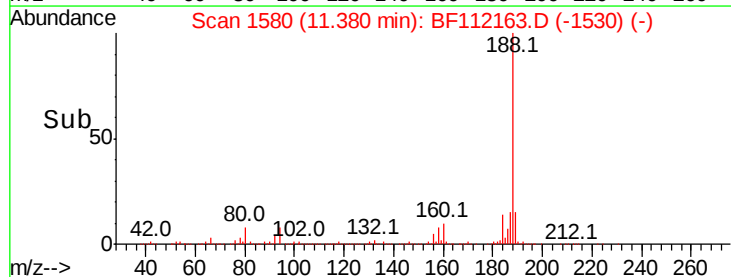
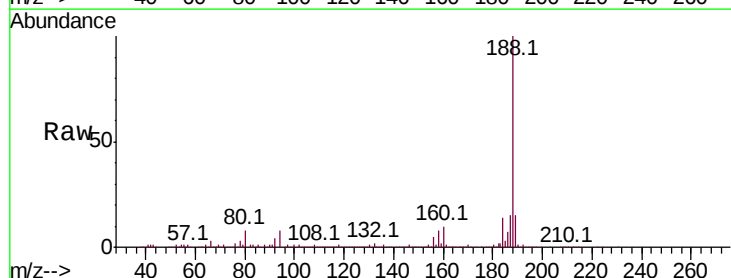
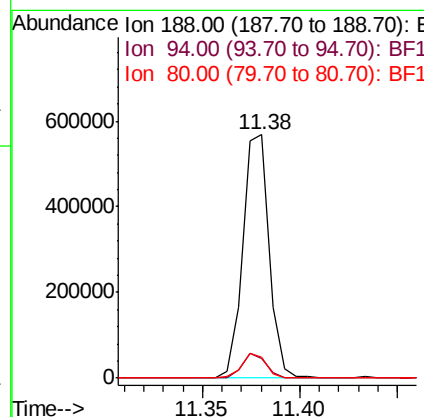
RT: 11.38 min Scan# 1580

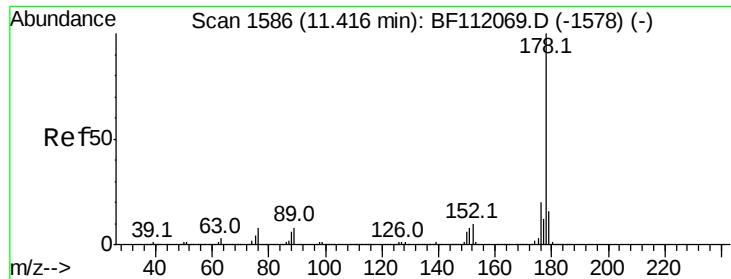
Delta R.T. -0.01 min

Lab File: BF112163.D

Acq: 21 Jan 2019 17:20

Tgt Ion:	188	Resp:	529267
Ion Ratio	Lower	Upper	
188	100		
94	8.1	8.2	12.2#
80	8.4	8.9	13.3#





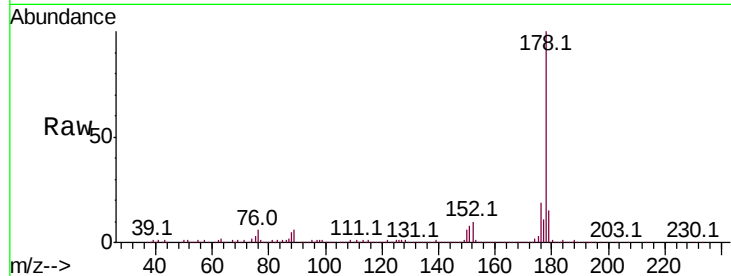
#71
Phenanthrene
Concen: 14.385 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-D

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.3	24.5
179	15.5	13.0	19.4

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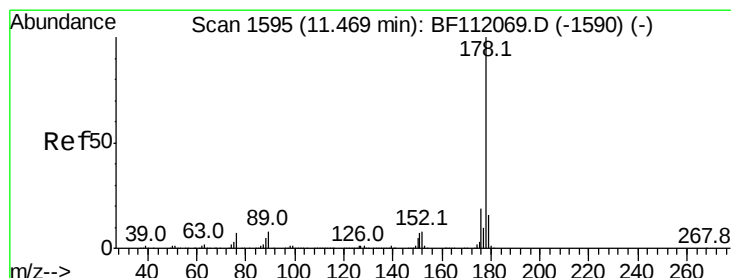
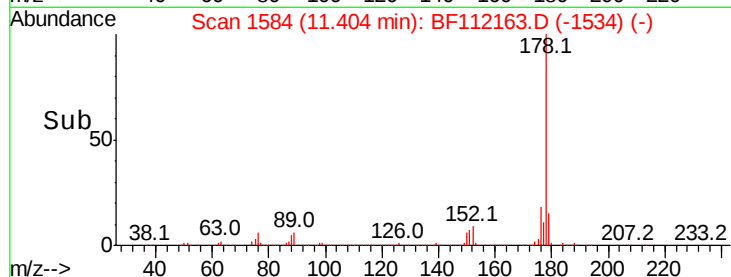
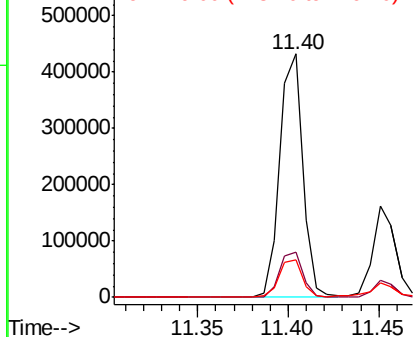


Abundance

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



#72
Anthracene
Concen: 4.989 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

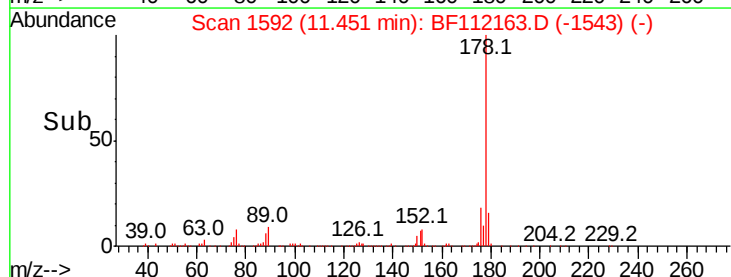
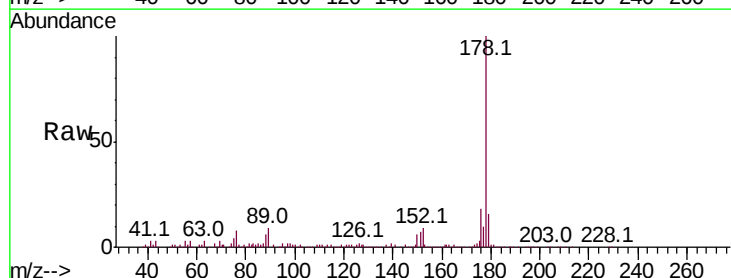
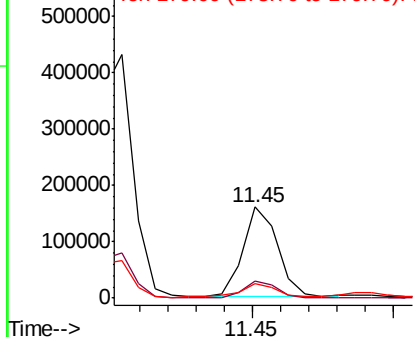
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.5	23.3
179	16.1	12.8	19.2

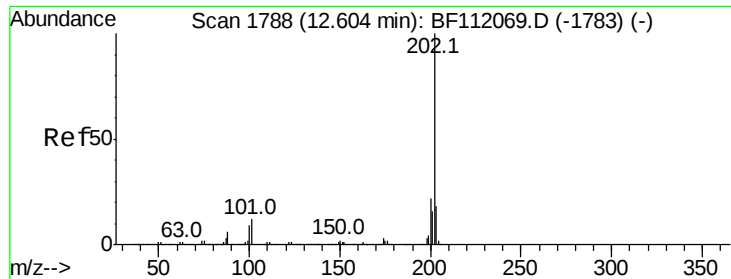
Abundance

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: 23.213 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF112163.D

Acq: 21 Jan 2019 17:20

Instrument :

BNA_F

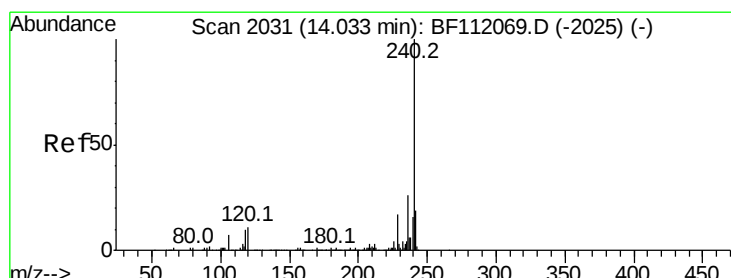
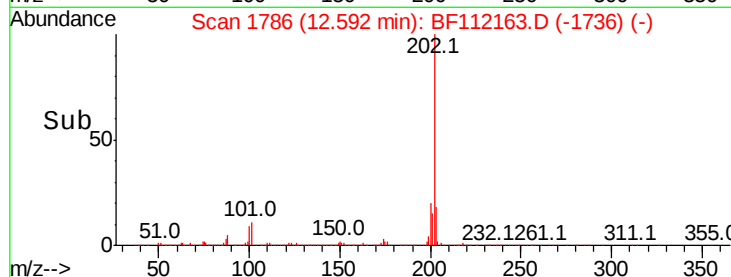
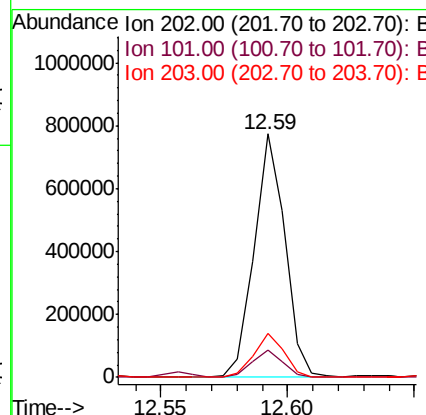
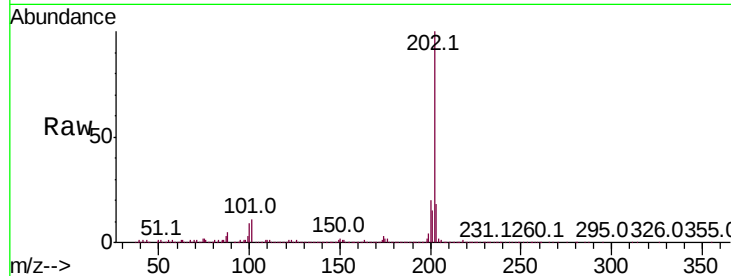
ClientSampleId :

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Tot Ion:	202	Resp:	652818
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	31.8
203	17.8	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

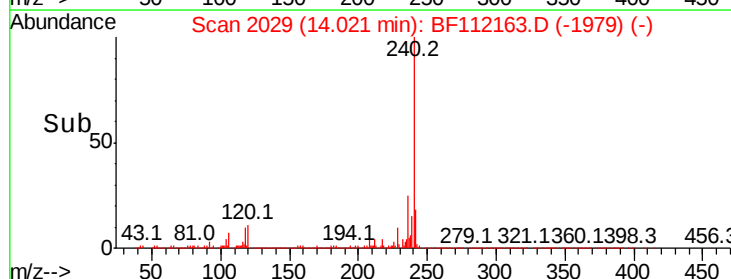
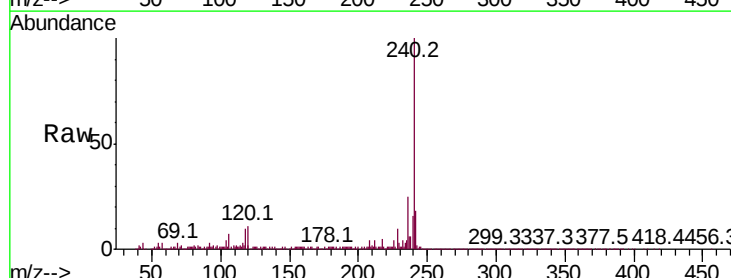
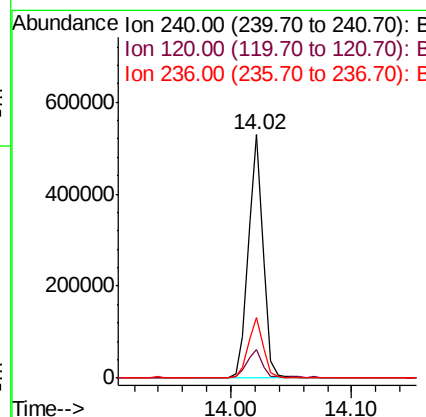
RT: 14.02 min Scan# 2029

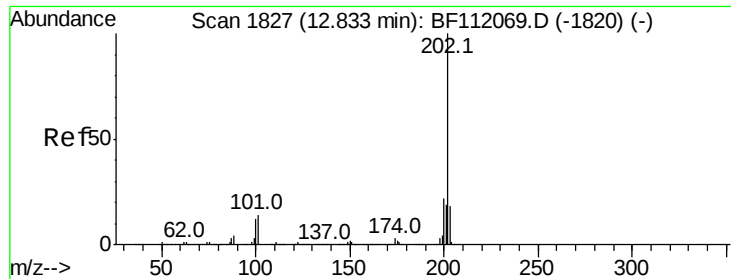
Delta R.T. -0.01 min

Lab File: BF112163.D

Acq: 21 Jan 2019 17:20

Tgt Ion:	240	Resp:	449955
Ion Ratio	Lower	Upper	
240	100		
120	11.5	9.0	13.6
236	25.0	20.7	31.1





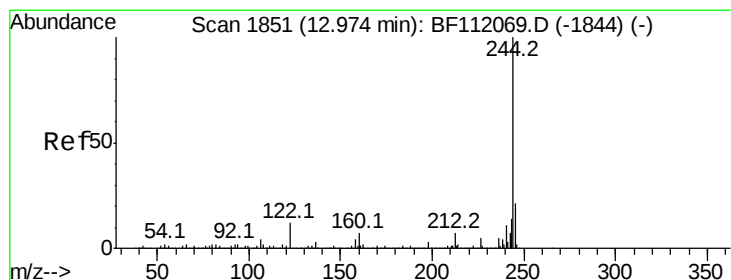
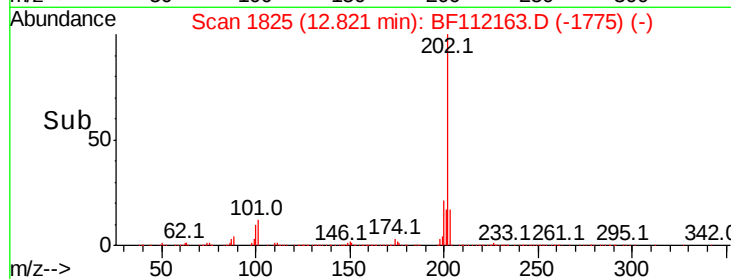
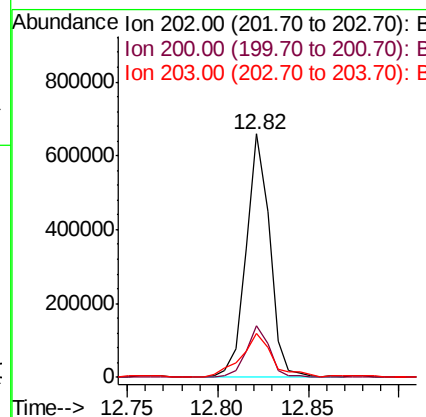
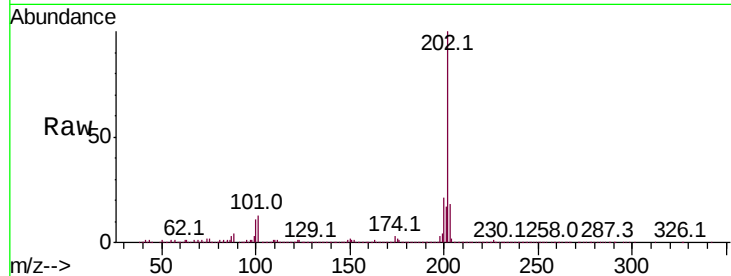
#78
Pvrene
Concen: 20.009 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-D

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.3	17.7	26.5	
203	17.9	14.6	22.0	

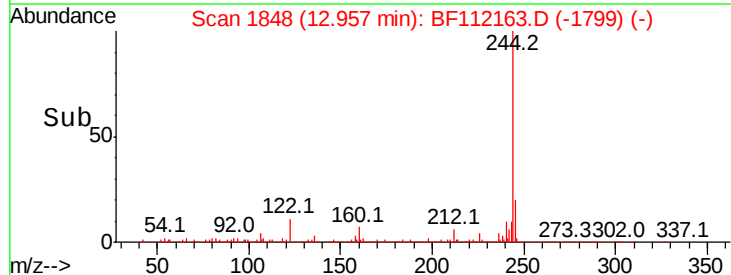
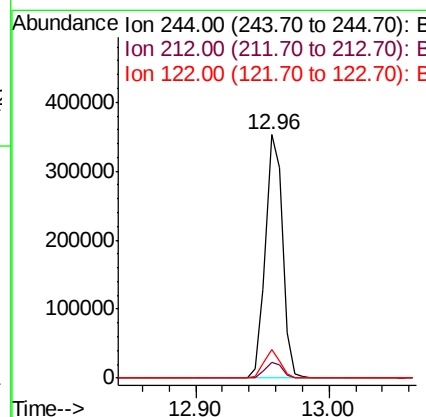
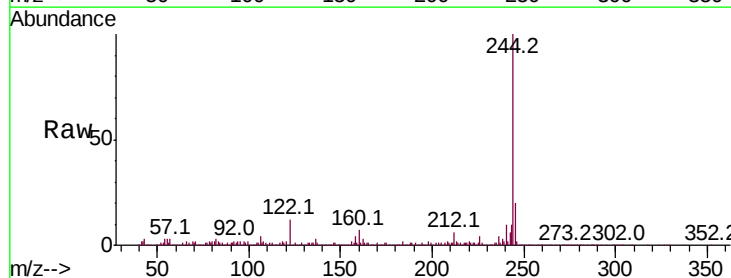
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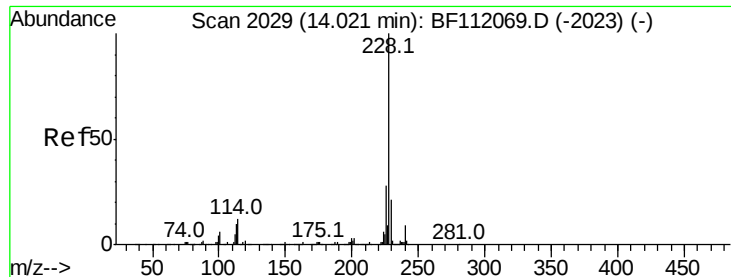
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#79
Terphenyl-d14
Concen: 14.674 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.4	5.9	8.9	
122	11.6	9.8	14.6	





#81

Benzo(a)anthracene

Concen: 11.098 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF112163.D

Acq: 21 Jan 2019 17:20

Instrument :

BNA_F

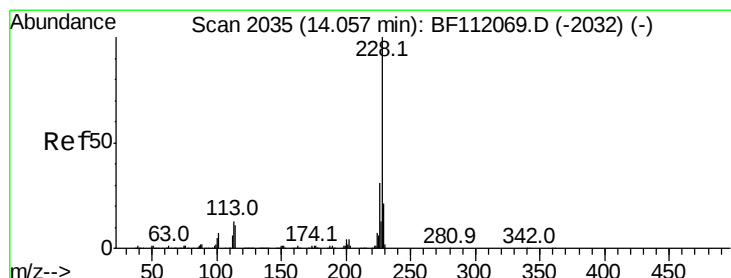
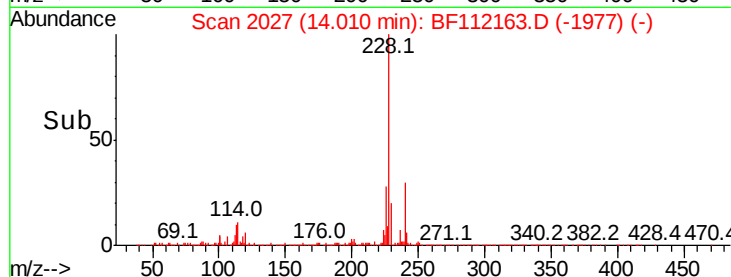
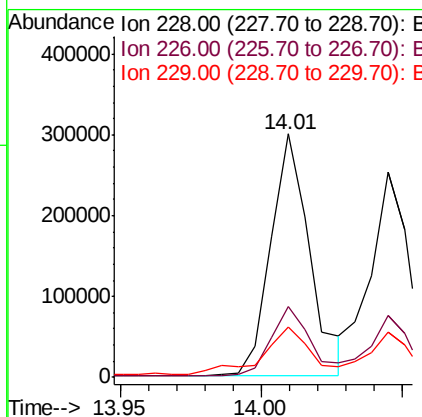
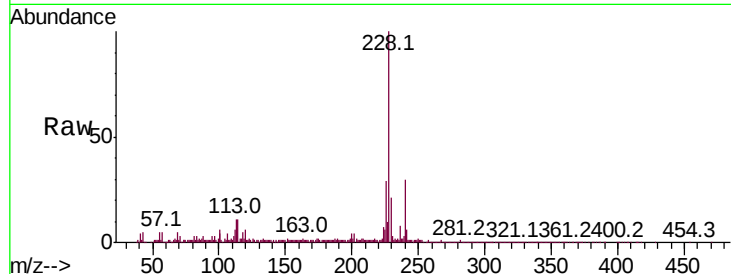
ClientSampleId :

PL-01-011819-D

Tot Ion:	228	Resp:	286316
Ion Ratio	Lower	Upper	
228	100		
226	29.1	22.6	34.0
229	20.8	16.5	24.7

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#83

Chrysene

Concen: 9.655 ng

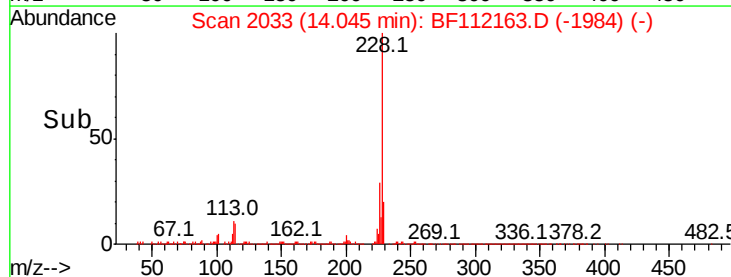
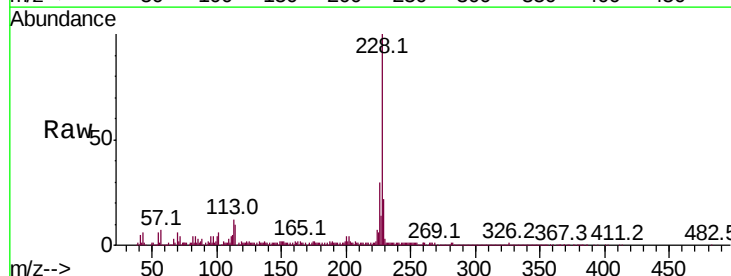
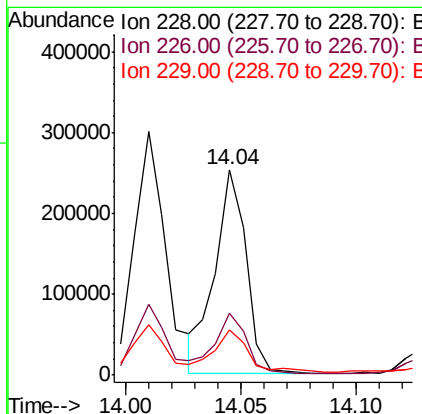
RT: 14.04 min Scan# 2033

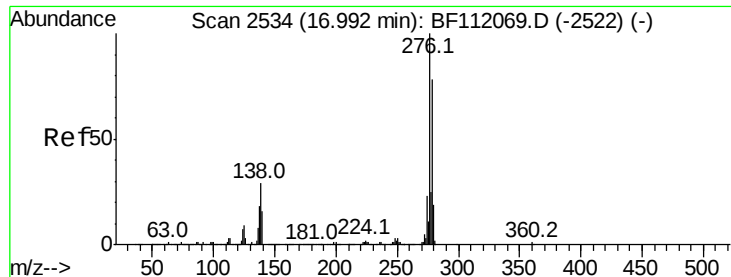
Delta R.T. -0.01 min

Lab File: BF112163.D

Acq: 21 Jan 2019 17:20

Tgt Ion:	228	Resp:	235703
Ion Ratio	Lower	Upper	
228	100		
226	29.9	25.0	37.6
229	22.1	16.6	24.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 4.050 ng

RT: 16.97 min Scan# 2531

Delta R.T. -0.01 min

Lab File: BF112163.D

Acq: 21 Jan 2019 17:20

Instrument :

BNA_F

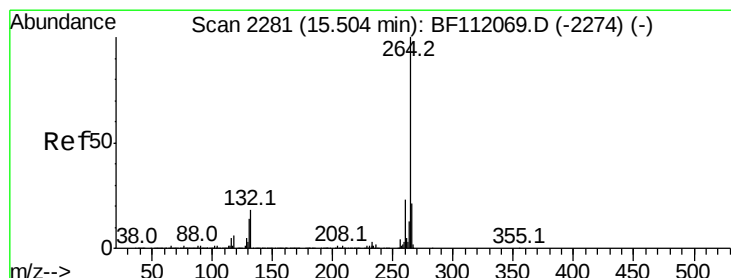
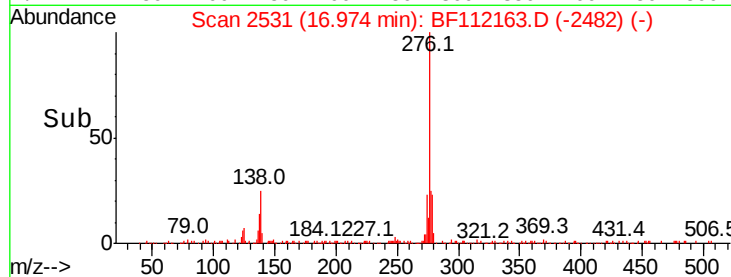
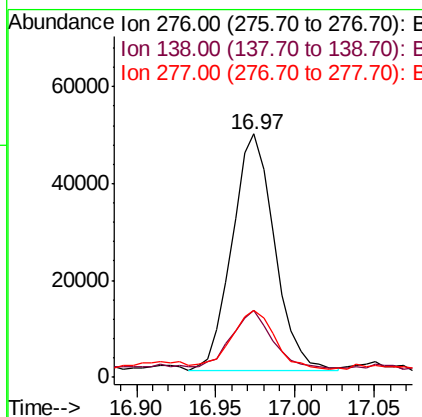
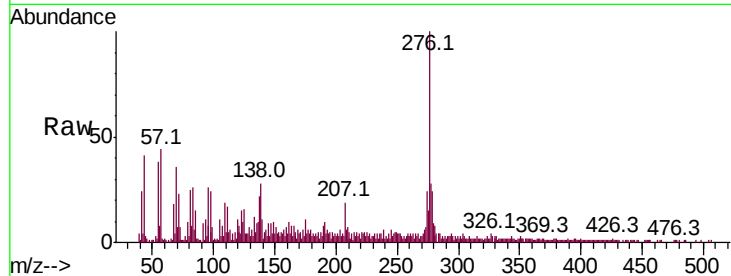
ClientSampleId :

PL-01-011819-D

Tot Ion:	276	Resp:	91219
Ion Ratio	Lower	Upper	
276	100		
138	24.6	22.6	34.0
277	25.1	20.3	30.5

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#87

Perylene-d12

Concen: 20.000 ng

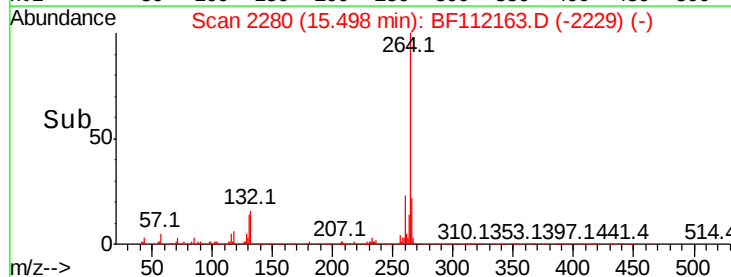
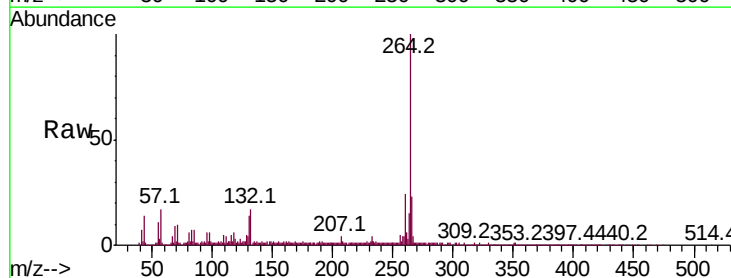
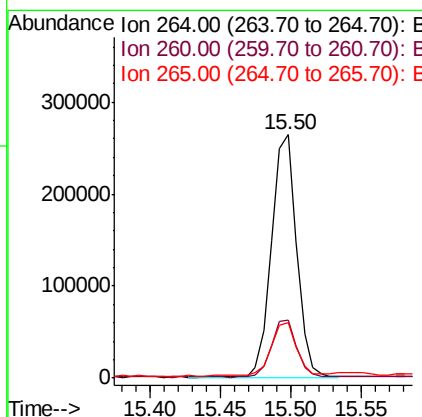
RT: 15.50 min Scan# 2280

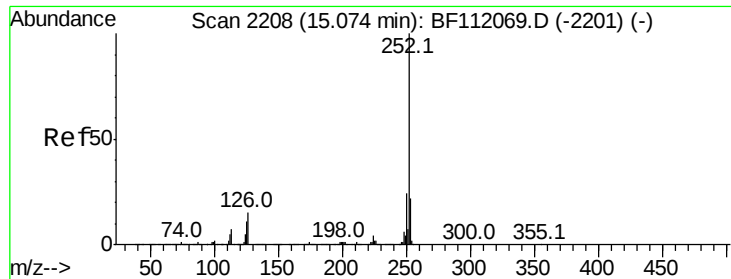
Delta R.T. 0.00 min

Lab File: BF112163.D

Acq: 21 Jan 2019 17:20

Tgt Ion:	264	Resp:	329972
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.2	27.2
265	22.6	17.0	25.4





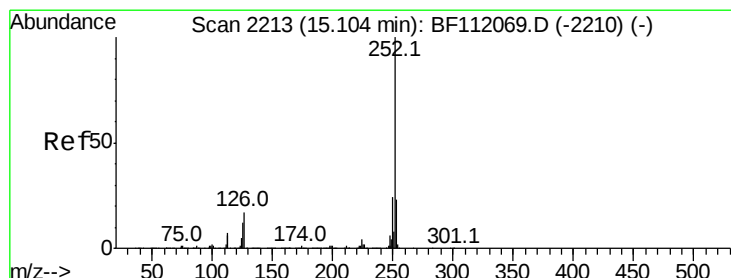
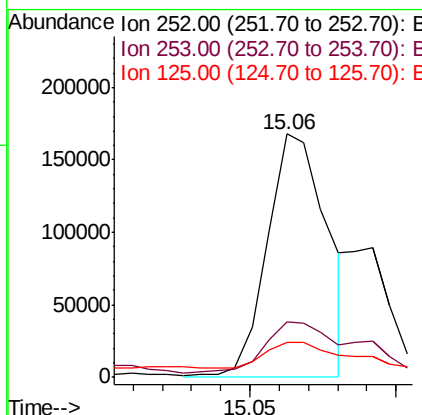
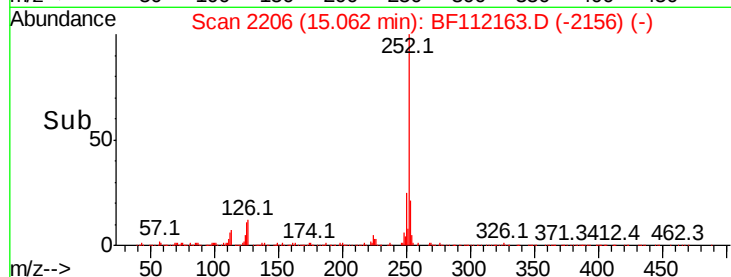
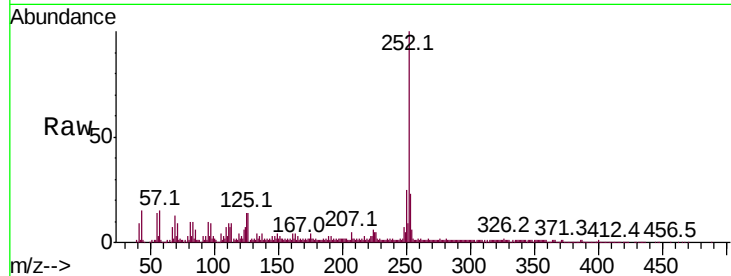
#88
Benzo(b)fluoranthene
Concen: 12.771 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	14.2	8.7	13.1

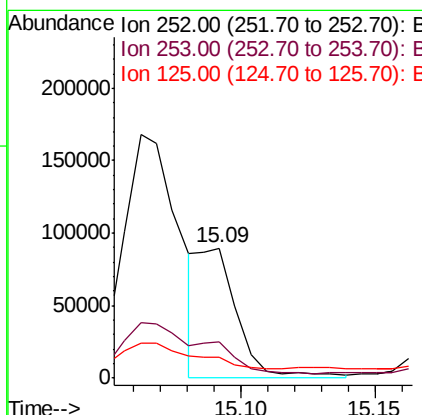
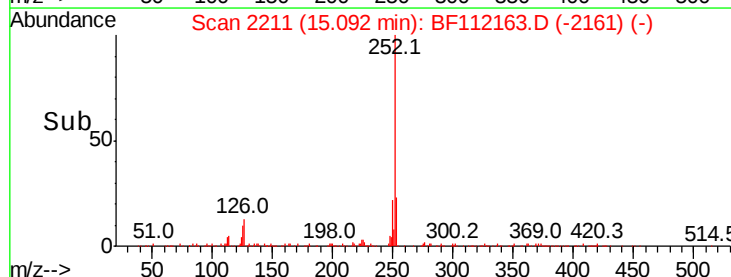
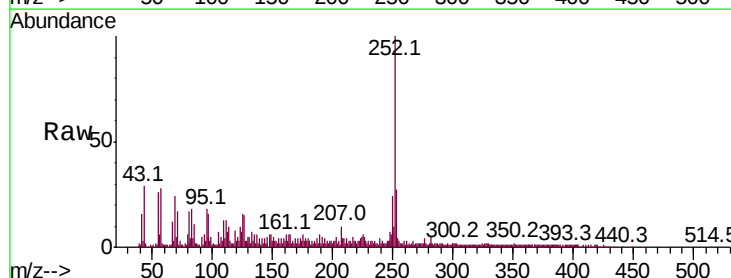
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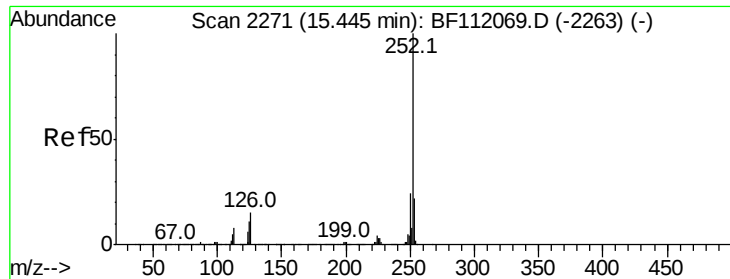
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#89
Benzo(k)fluoranthene
Concen: 5.088 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.0	27.0
125	16.3	9.1	13.7





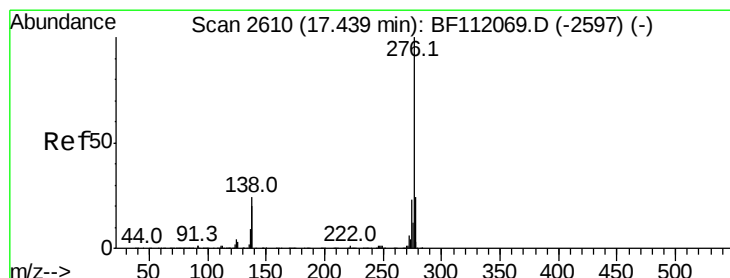
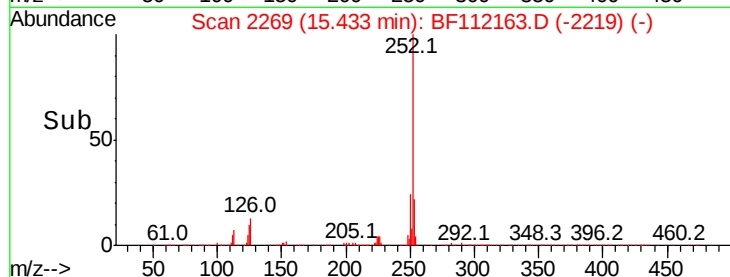
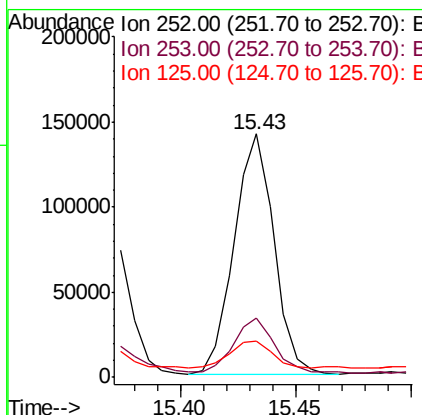
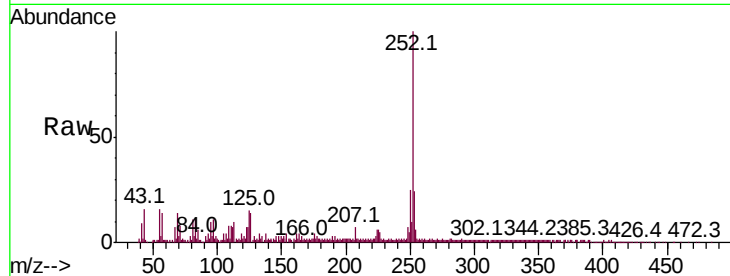
#90
Benzo(a)pyrene
Concen: 9.934 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	14.9	9.0	13.4

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#92
Benzo(g,h,i)perylene
Concen: 5.590 ng
RT: 17.42 min Scan# 2607
Delta R.T. -0.01 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.1	19.4	29.0
138	24.5	19.1	28.7

