

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012419\
 Data File : BF112210.D
 Acq On : 24 Jan 2019 15:51
 Operator : JU/SJ
 Sample : K1016-05 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-RO-2-012319

Manual Integrations
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Sohil
 1/25/2019 10:05:03 AM

Quant Time: Jan 24 16:36:27 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	199044	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	771231	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	367724	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	598680	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	516253	20.00	ng	0.00
87) Perylene-d12	15.50	264	428419	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	468596	42.73	ng	-0.01
7) Phenol-d6	6.49	99	598880	43.65	ng	-0.01
23) Nitrobenzene-d5	7.41	82	360451	32.29	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	154459	38.94	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	741848	29.58	ng	0.00
79) Terphenyl-d14	12.98	244	593427	24.45	ng	0.01
Target Compounds						
71) Phenanthrene	11.40	178	225656	7.490	ng	98
72) Anthracene	11.45	178	82781	2.712	ng	98
75) Fluoranthene	12.60	202	197449m	6.207	ng	
78) Pyrene	12.88	202	302536m	8.882	ng	
81) Benzo(a)anthracene	14.02	228	165069	5.577	ng	98
83) Chrysene	14.05	228	135516	4.838	ng	98
88) Benzo(b)fluoranthene	15.07	252	172557m	7.096	ng	
89) Benzo(k)fluoranthene	15.09	252	48072m	2.042	ng	
90) Benzo(a)pyrene	15.43	252	105353	4.724	ng	# 90
92) Benzo(g,h,i)perylene	17.43	276	47978	2.459	ng	93

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

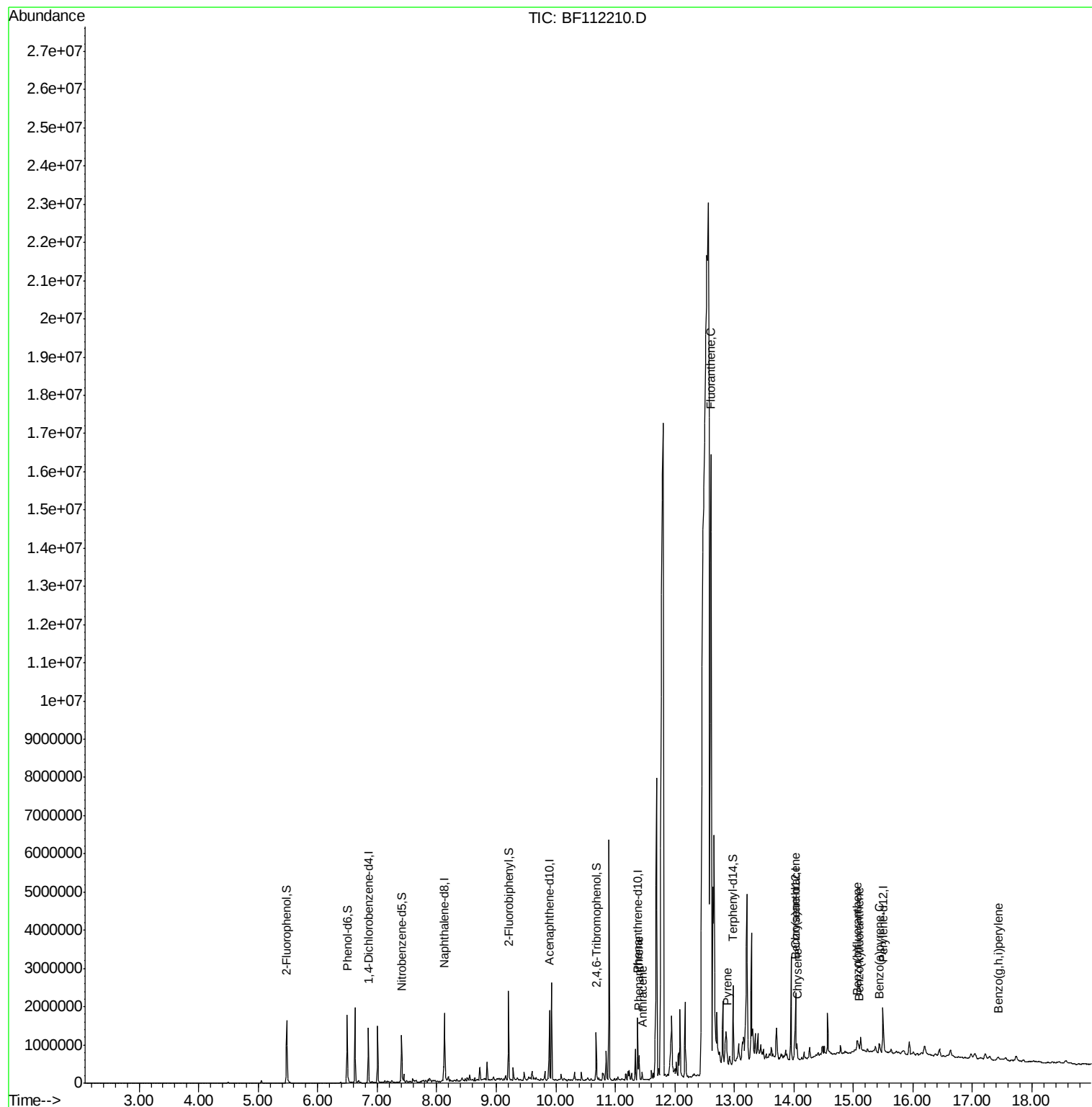
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012419\
Data File : BF112210.D
Acq On : 24 Jan 2019 15:51
Operator : JU/SJ
Sample : K1016-05 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

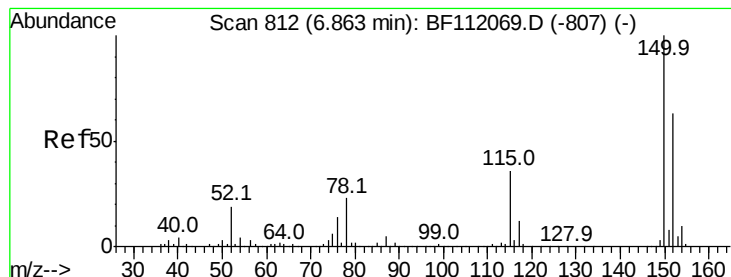
Instrument :
BNA_F
ClientSampleId :
TR-05-RO-2-012319

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

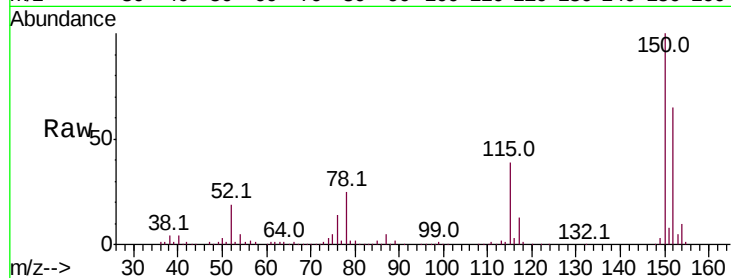
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112210.D
Acq: 24 Jan 2019 15:51

Instrument :
BNA_F
ClientSampleId :
TR-05-RO-2-012319

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	127.4	191.0
115	60.3	45.5	68.3

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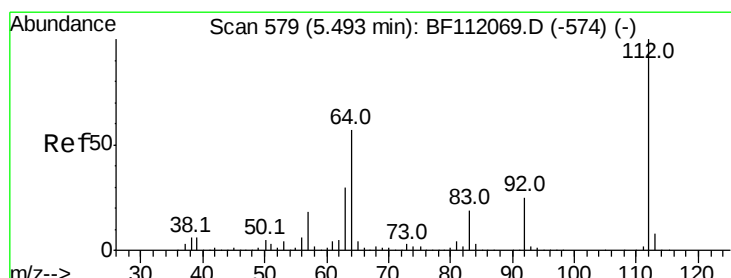
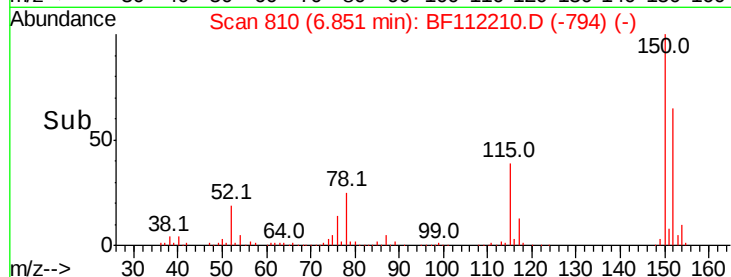
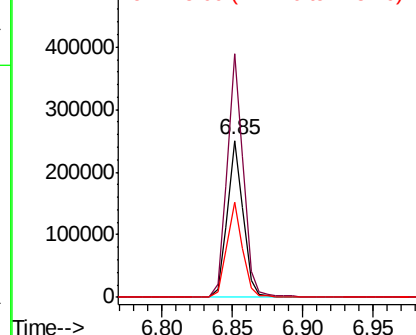


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

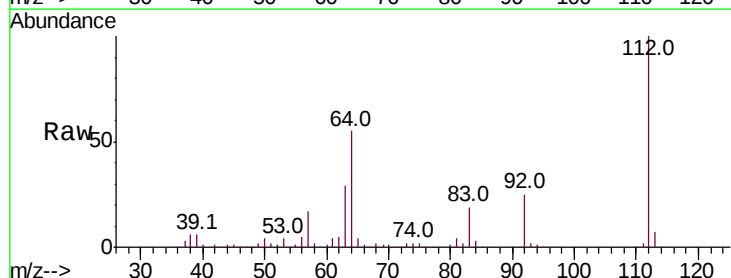
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 42.730 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF112210.D
Acq: 24 Jan 2019 15:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	45.7	68.5
63	29.4	23.6	35.4

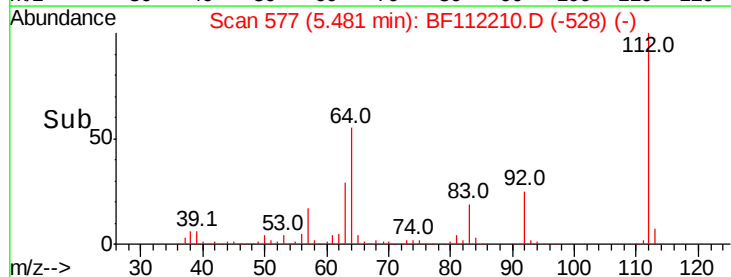
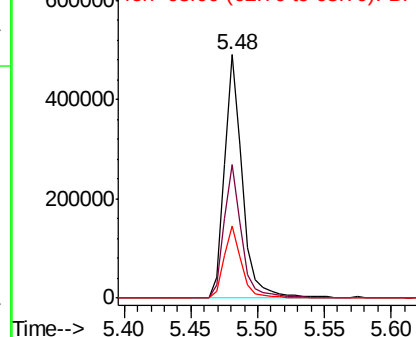


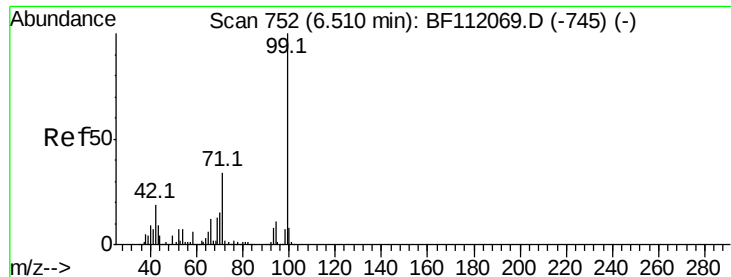
Abundance

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: 43.648 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112210.D

Acq: 24 Jan 2019 15:51

Instrument :

BNA_F

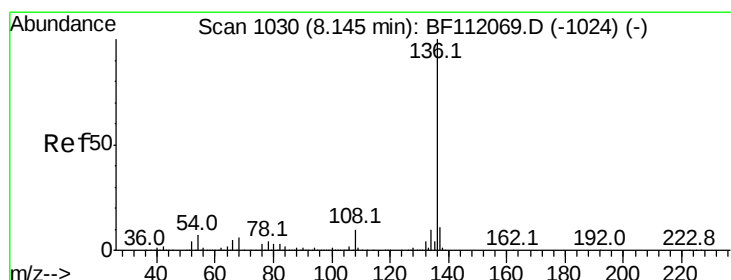
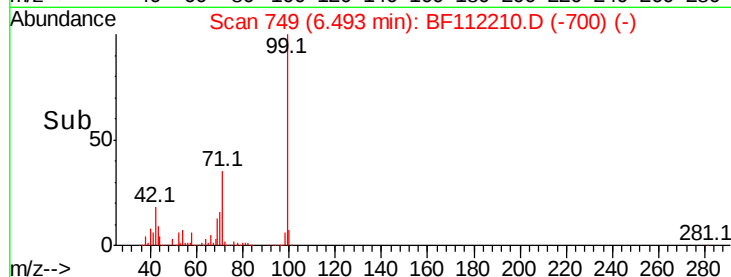
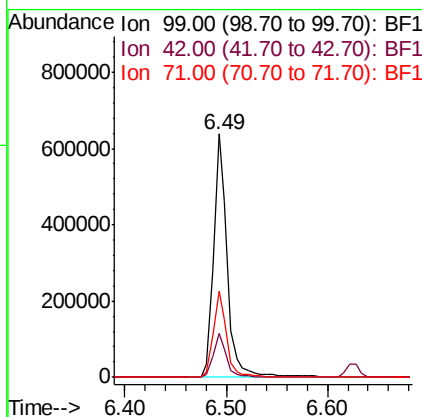
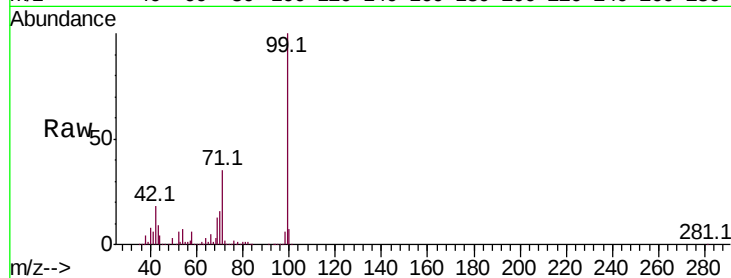
ClientSampleId :

TR-05-RO-2-012319

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		598880		
42	18.1	15.1	22.7		
71	35.4	26.9	40.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

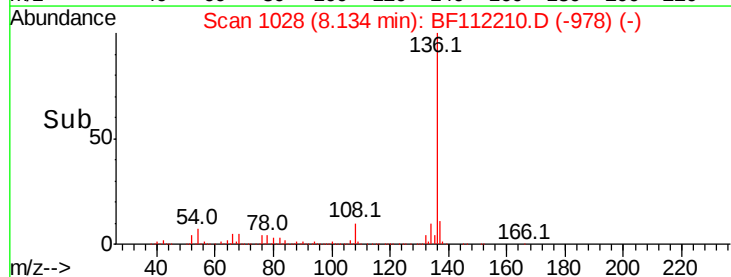
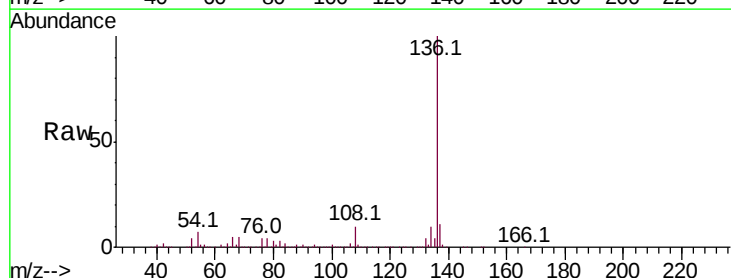
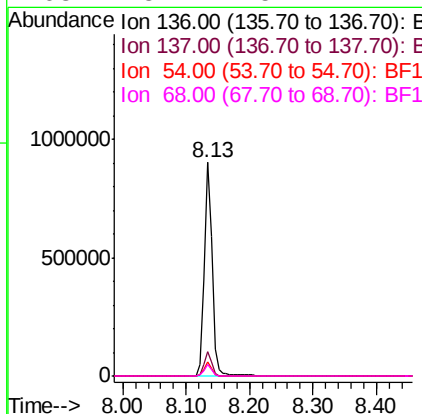
RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF112210.D

Acq: 24 Jan 2019 15:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		771231		
137	11.4	9.1	13.7		
54	6.6	5.9	8.9		
68	5.1	5.1	7.7		





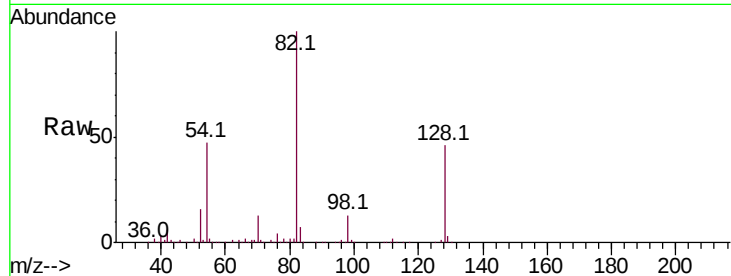
#23
Nitrobenzene-d5
Concen: 32.290 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF112210.D
Acq: 24 Jan 2019 15:51

Instrument :
BNA_F
ClientSampleId :
TR-05-RO-2-012319

Tot Ion	Ratio	Resp	Lower	Upper
82	100	360451		
128	45.8	37.8	56.8	
54	46.5	39.7	59.5	

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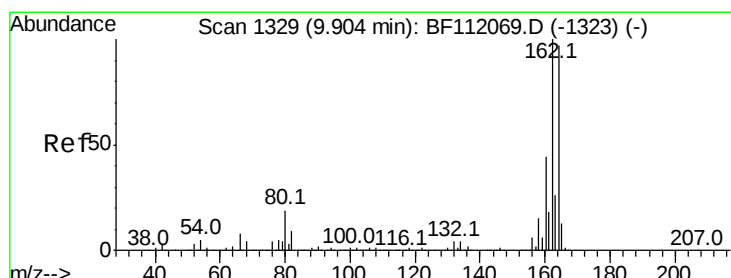
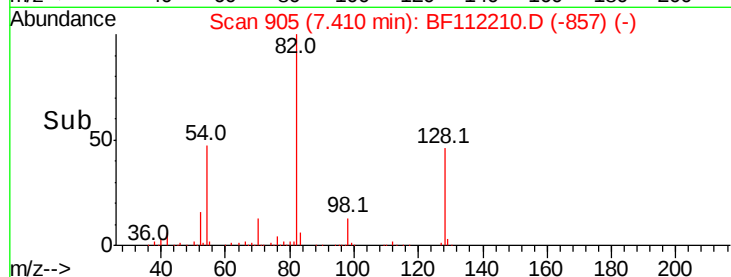
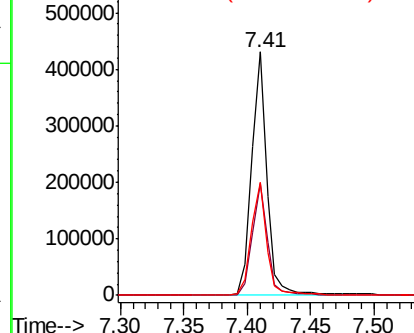


Abundance

Ion 82.00 (81.70 to 82.70): BF1

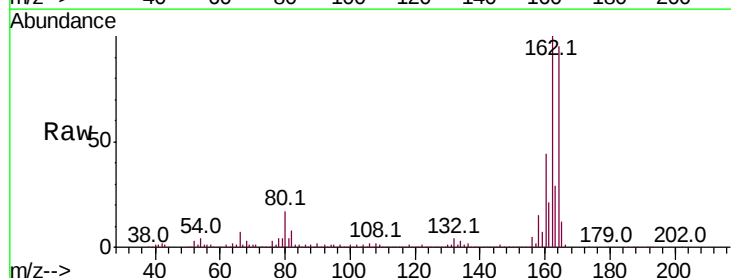
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF112210.D
Acq: 24 Jan 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	367724		
162	105.3	82.2	123.4	
160	46.1	36.2	54.4	

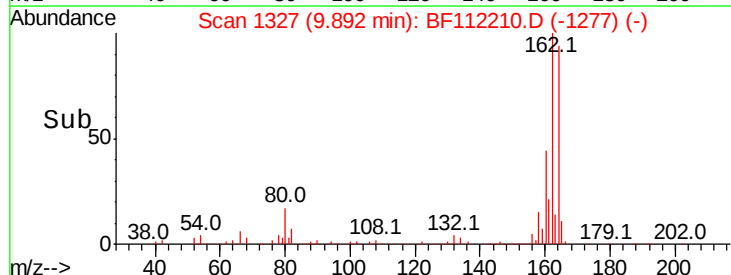
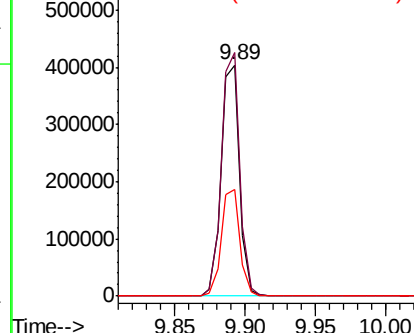


Abundance

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: 38.937 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF112210.D

Acq: 24 Jan 2019 15:51

Instrument :

BNA_F

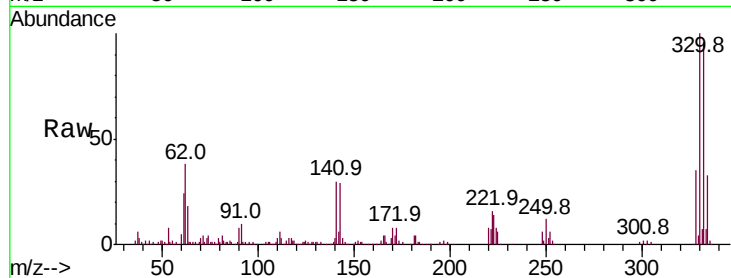
ClientSampleId :

TR-05-RO-2-012319

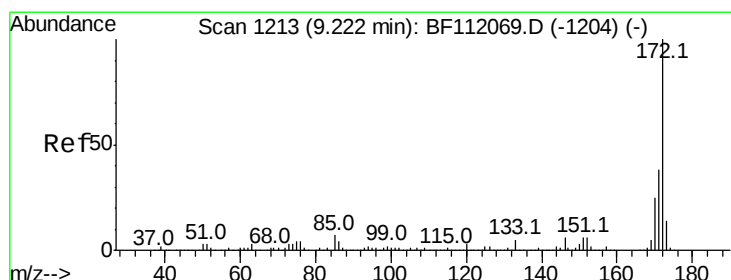
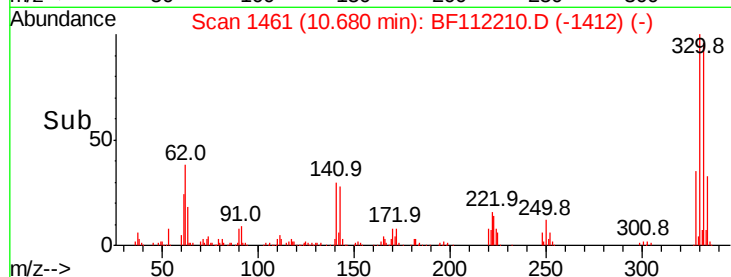
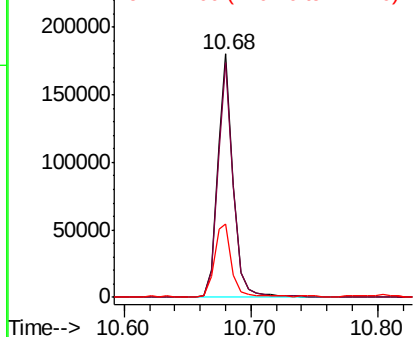
Tot Ion:	330	Resp:	154459
Ion Ratio	Lower	Upper	
330	100		
332	96.7	76.6	114.8
141	33.3	24.3	36.5

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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: 29.577 ng

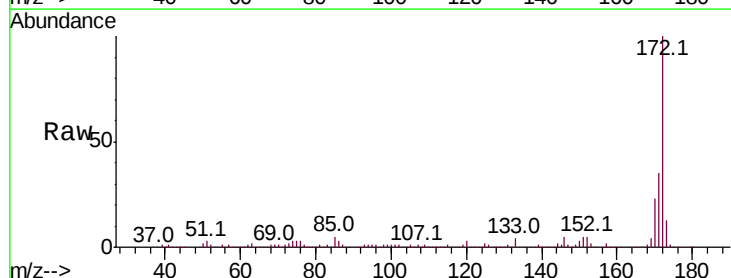
RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

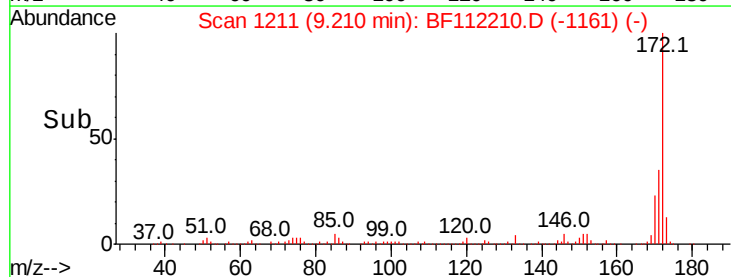
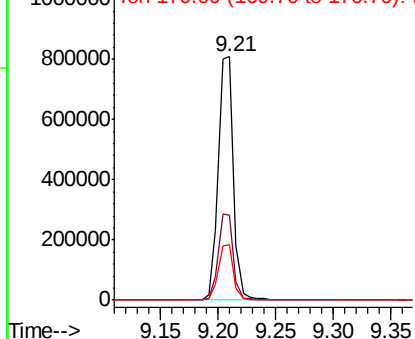
Lab File: BF112210.D

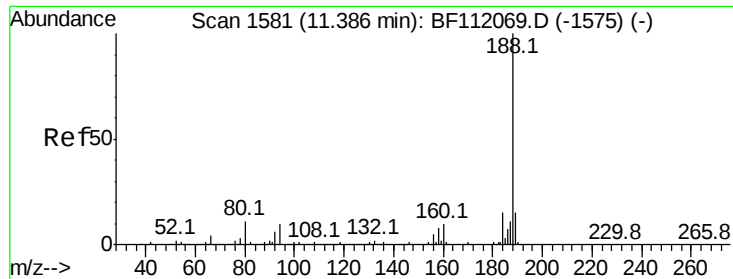
Acq: 24 Jan 2019 15:51

Tgt Ion:	172	Resp:	741848
Ion Ratio	Lower	Upper	
172	100		
171	34.8	30.5	45.7
170	23.0	20.2	30.4



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





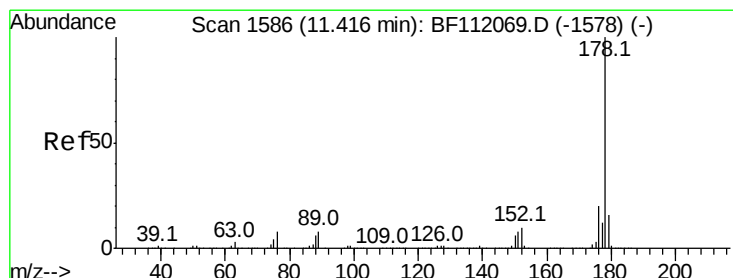
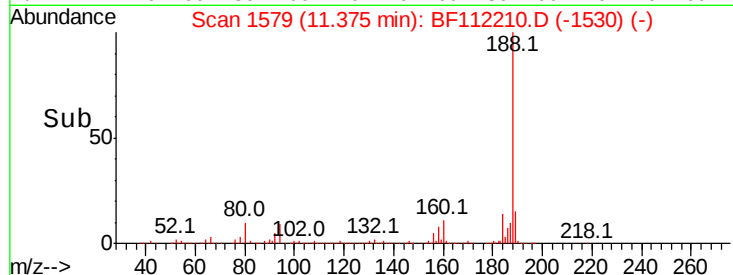
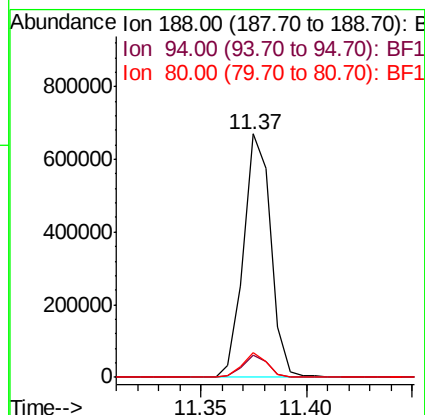
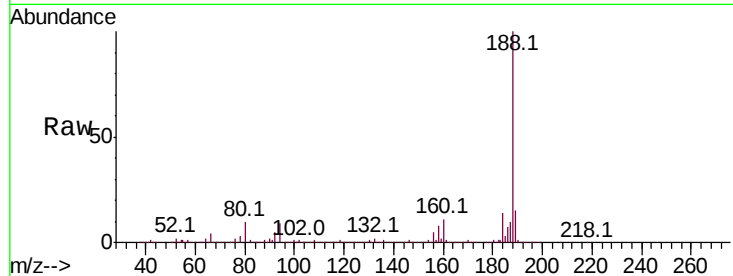
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF112210.D
Acq: 24 Jan 2019 15:51

Instrument :
BNA_F
ClientSampleId :
TR-05-RO-2-012319

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.3	8.2	12.2
80	10.0	8.9	13.3

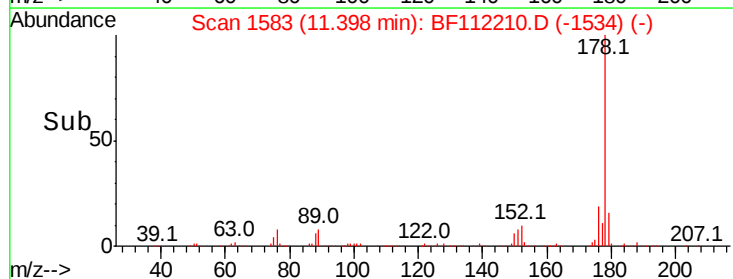
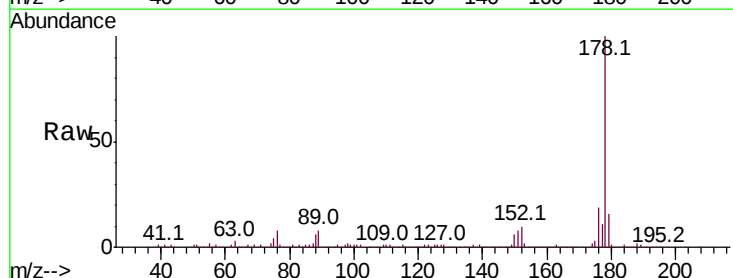
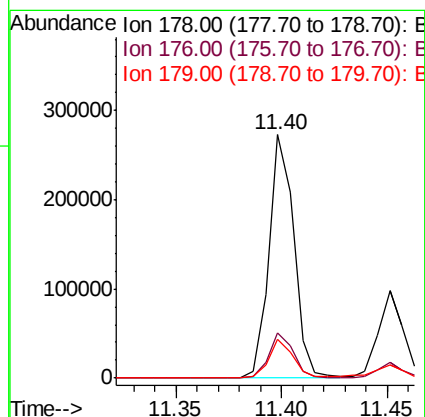
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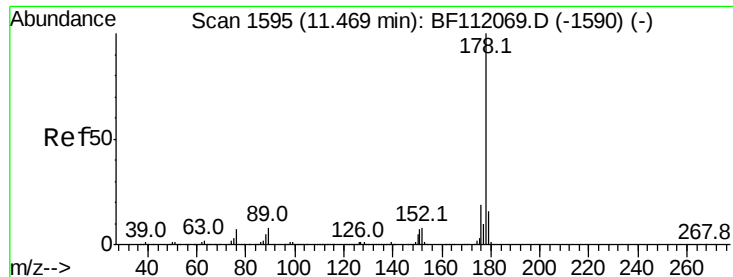
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#71
Phenanthrene
Concen: 7.490 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF112210.D
Acq: 24 Jan 2019 15:51

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.8	16.3	24.5
179	15.8	13.0	19.4





#72

Anthracene

Concen: 2.712 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.01 min

Lab File: BF112210.D

Acq: 24 Jan 2019 15:51

Instrument :

BNA_F

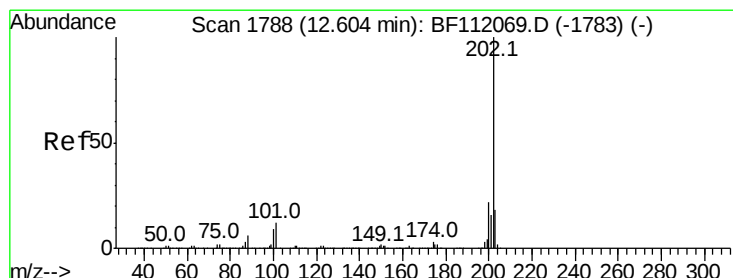
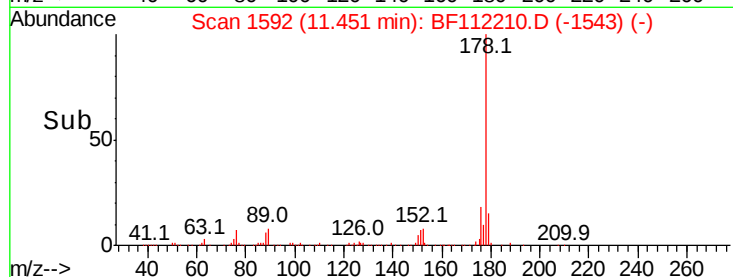
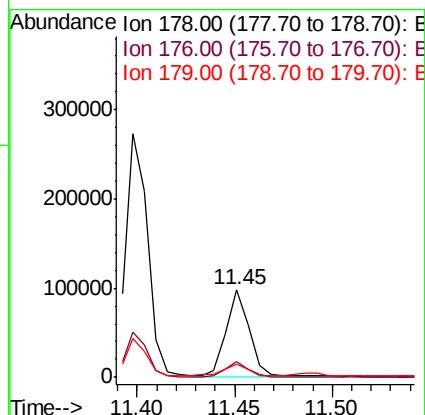
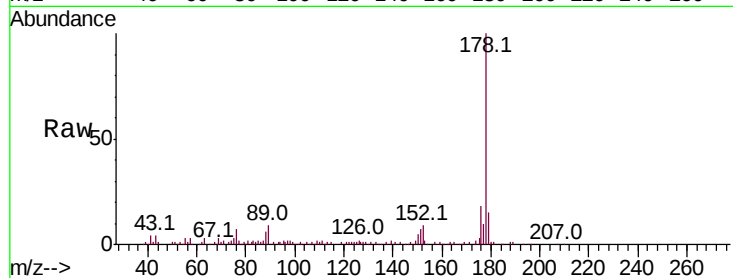
ClientSampleId :

TR-05-RO-2-012319

Tot Ion:	178	Resp:	82781
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.5	23.3
179	15.5	12.8	19.2

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#75

Fluoranthene

Concen: 6.207 ng m

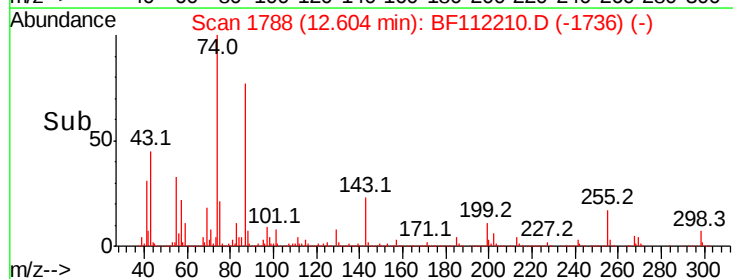
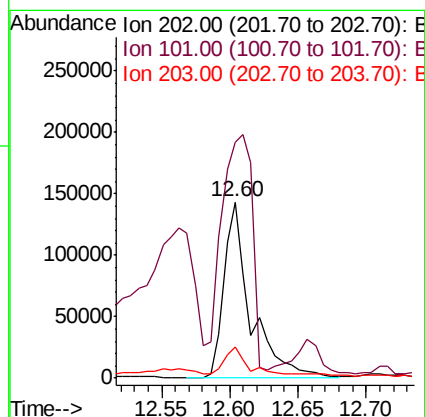
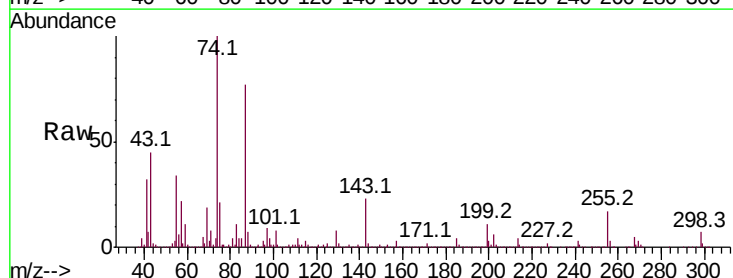
RT: 12.60 min Scan# 1788

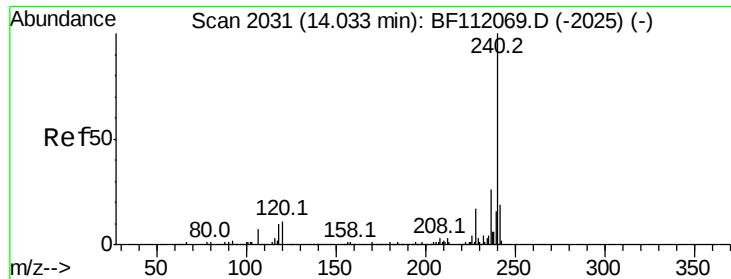
Delta R.T. 0.01 min

Lab File: BF112210.D

Acq: 24 Jan 2019 15:51

Tgt Ion:	202	Resp:	197449
Ion Ratio	Lower	Upper	
202	100		
101	133.7	0.0	31.8#
203	17.4	0.0	38.4





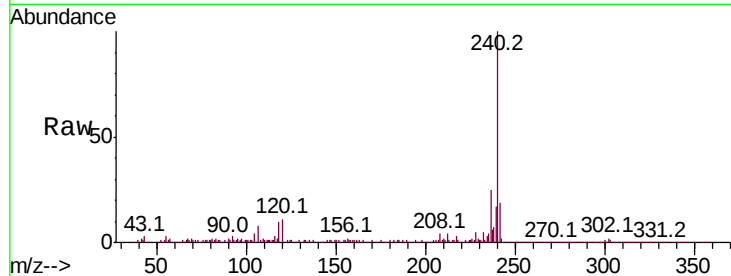
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF112210.D
Acq: 24 Jan 2019 15:51

Instrument :
BNA_F
ClientSampleId :
TR-05-RO-2-012319

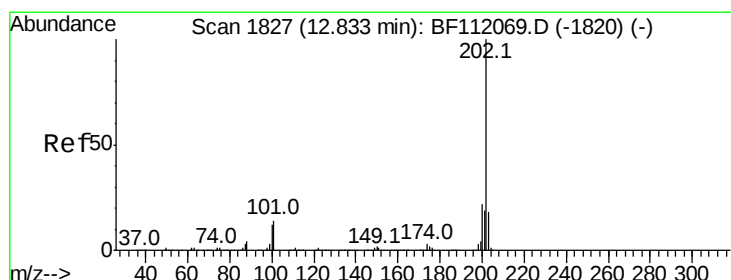
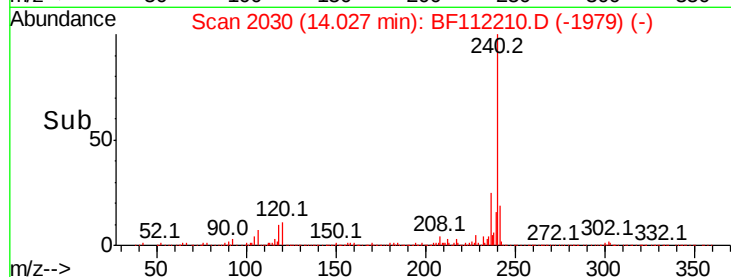
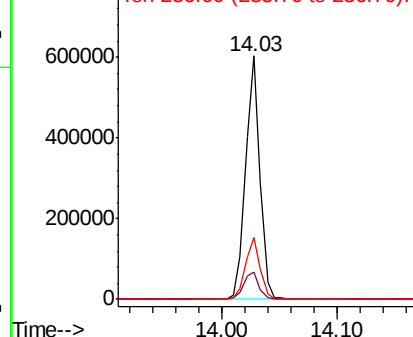
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.0	13.6
236	25.3	20.7	31.1

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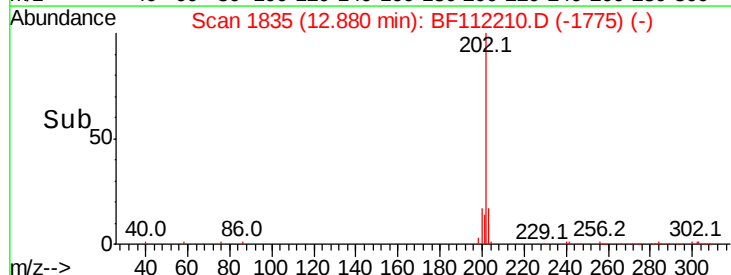
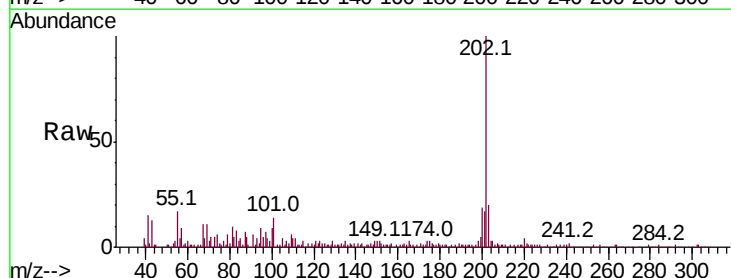
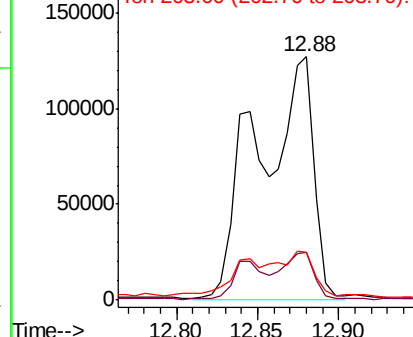
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

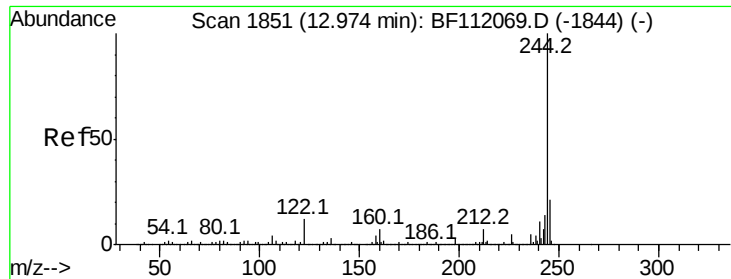


#78
Pyrene
Concen: 8.882 ng m
RT: 12.88 min Scan# 1835
Delta R.T. 0.05 min
Lab File: BF112210.D
Acq: 24 Jan 2019 15:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.5	17.7	26.5
203	19.8	14.6	22.0

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





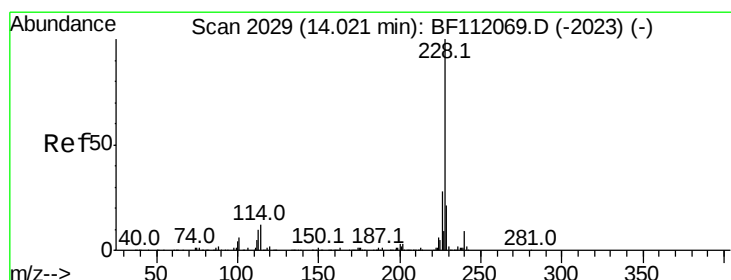
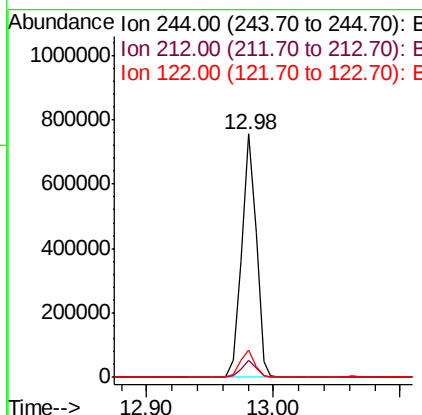
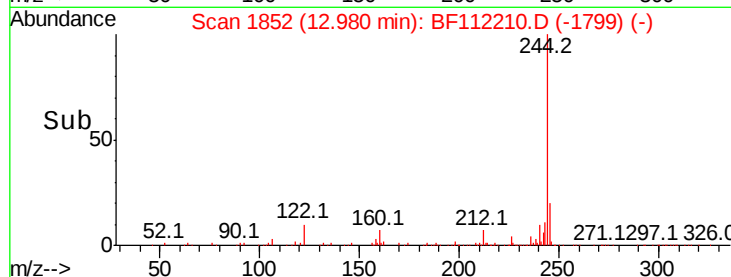
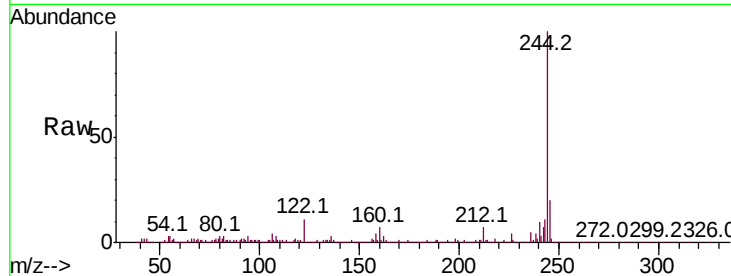
#79
 Terphenyl-d14
 Concen: 24.454 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: BF112210.D
 Acq: 24 Jan 2019 15:51

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-RO-2-012319

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.9	8.9
122	11.3	9.8	14.6

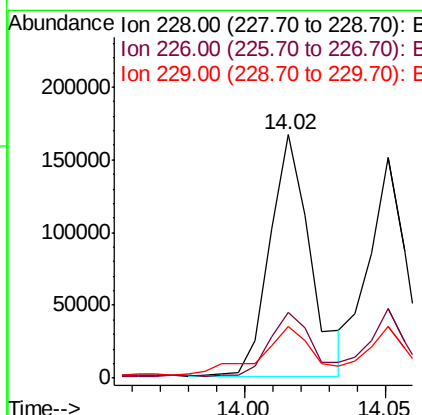
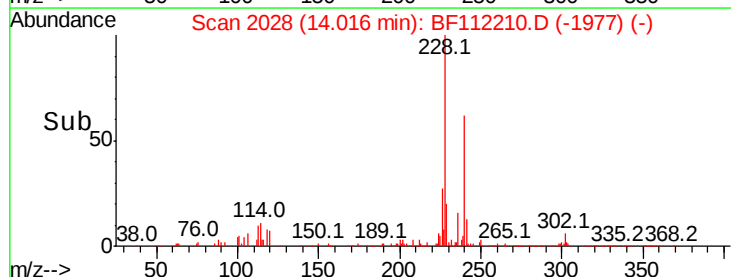
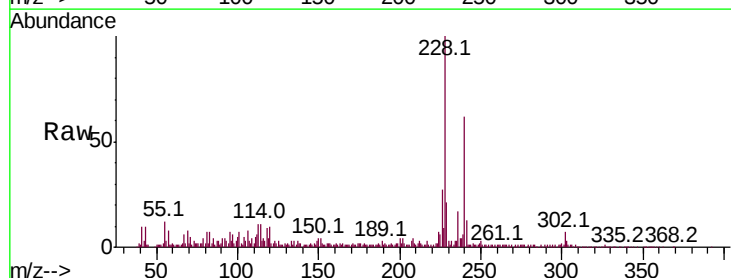
Manual Integrations
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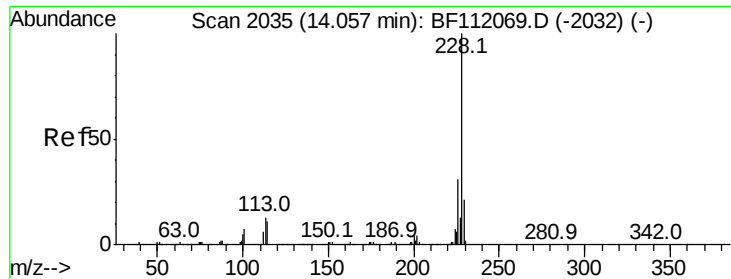
Sohil
 1/25/2019 10:05:03 AM



#81
 Benzo(a)anthracene
 Concen: 5.577 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BF112210.D
 Acq: 24 Jan 2019 15:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	34.0
229	21.1	16.5	24.7





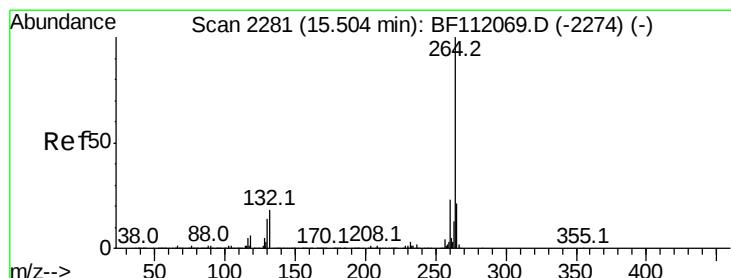
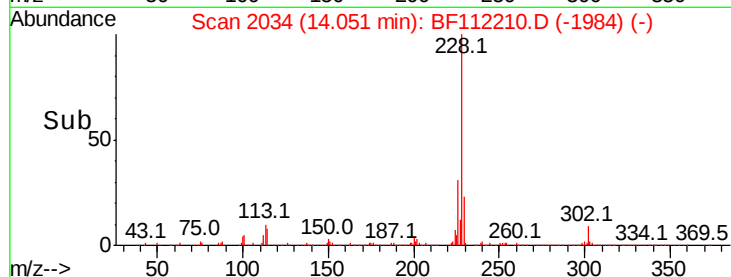
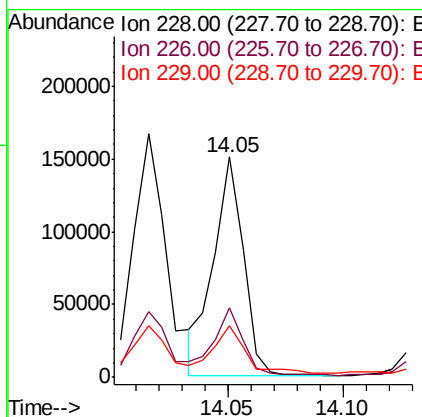
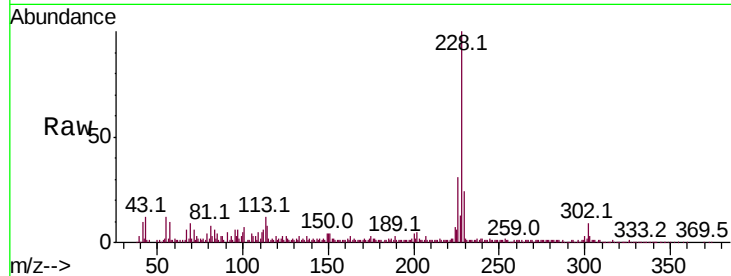
#83
Chrysene
Concen: 4.838 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF112210.D
Acq: 24 Jan 2019 15:51

Instrument :
BNA_F
ClientSampleId :
TR-05-RO-2-012319

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	23.5	16.6	24.8

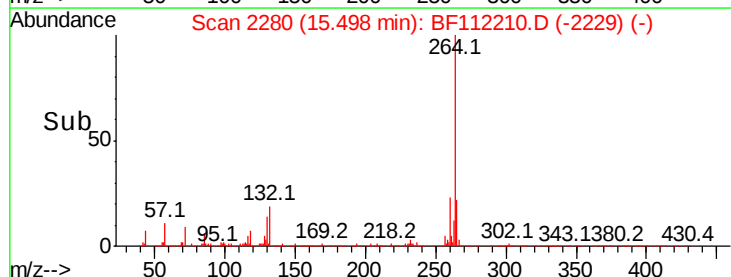
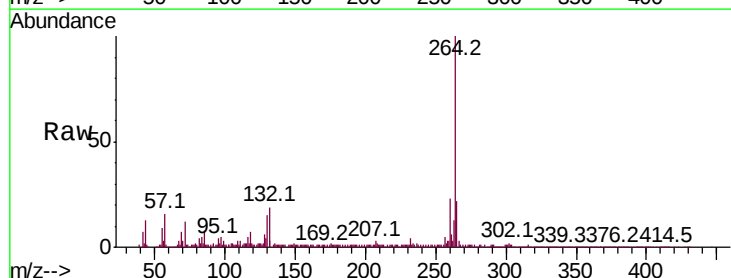
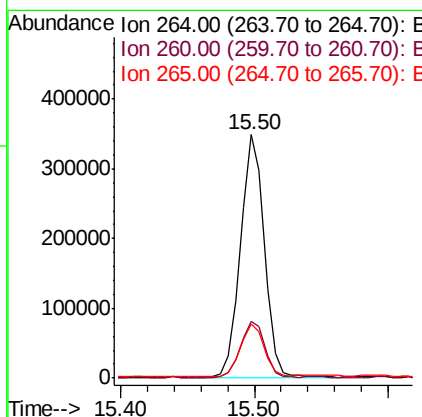
Manual Integrations
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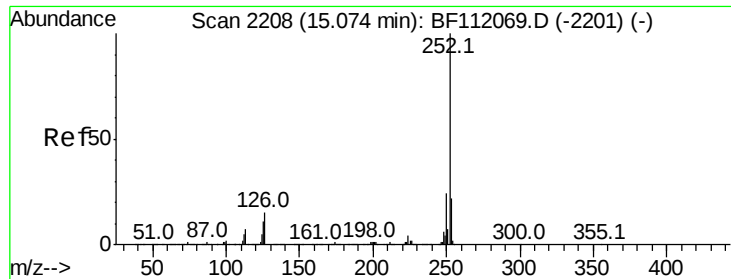
Sohil
1/25/2019 10:05:03 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BF112210.D
Acq: 24 Jan 2019 15:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.2
265	22.4	17.0	25.4





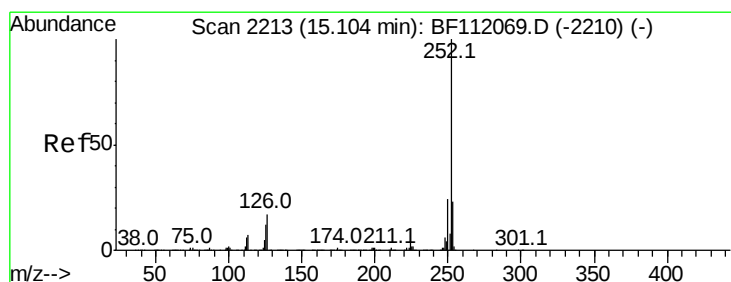
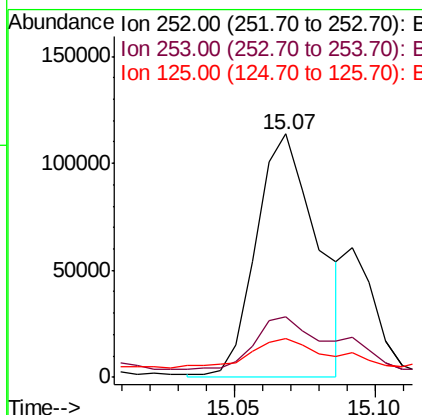
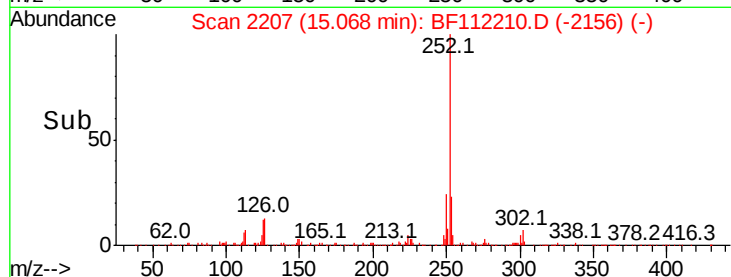
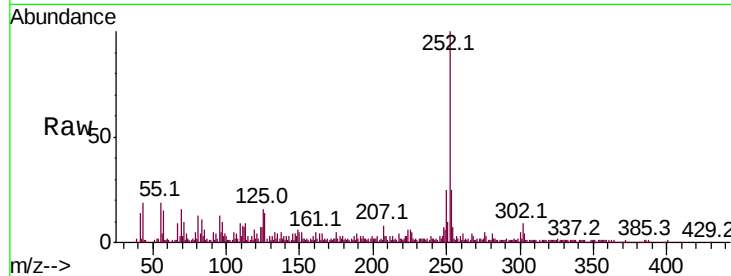
#88
Benzo(b)fluoranthene
Concen: 7.096 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF112210.D
Acq: 24 Jan 2019 15:51

Instrument :
BNA_F
ClientSampleId :
TR-05-RO-2-012319

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.0	27.0
125	16.0	8.7	13.1

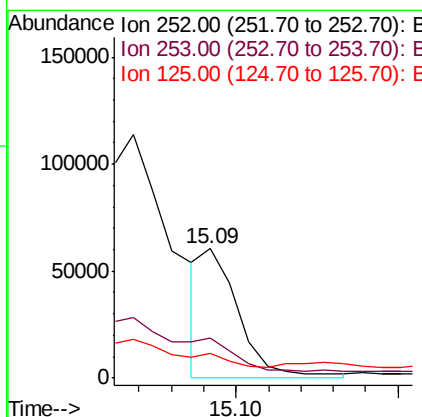
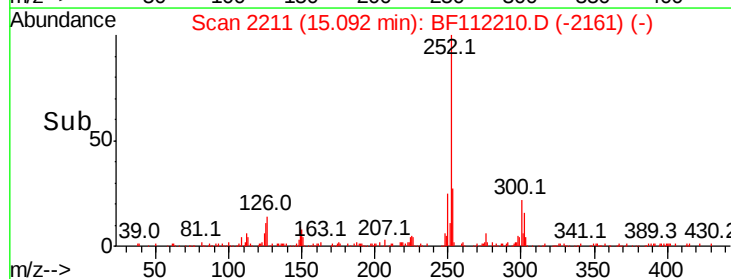
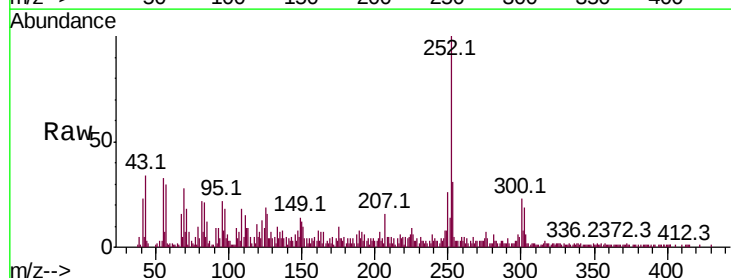
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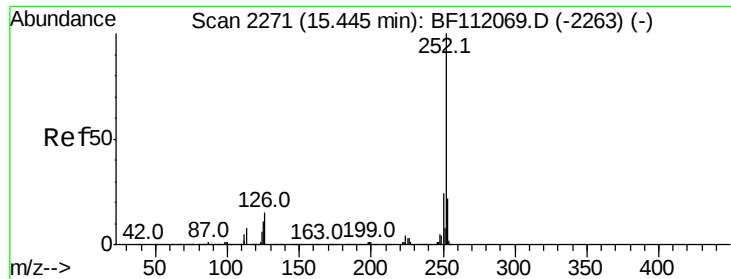
Sohil
1/25/2019 10:05:03 AM



#89
Benzo(k)fluoranthene
Concen: 2.042 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF112210.D
Acq: 24 Jan 2019 15:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.4	18.0	27.0
125	18.7	9.1	13.7





#90

Benzo(a)pyrene

Concen: 4.724 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF112210.D

Acq: 24 Jan 2019 15:51

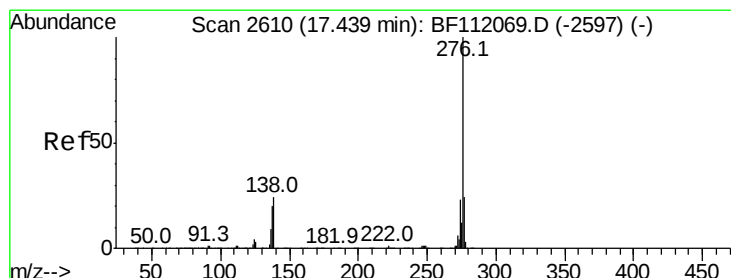
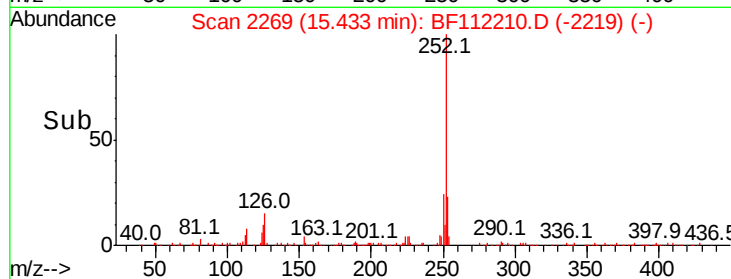
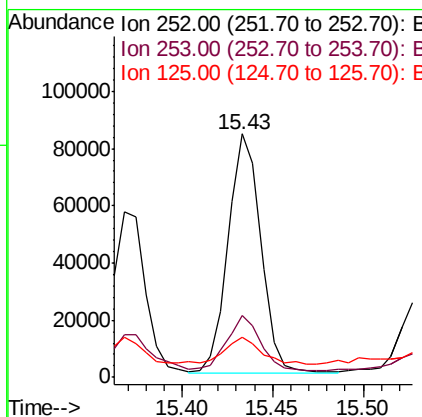
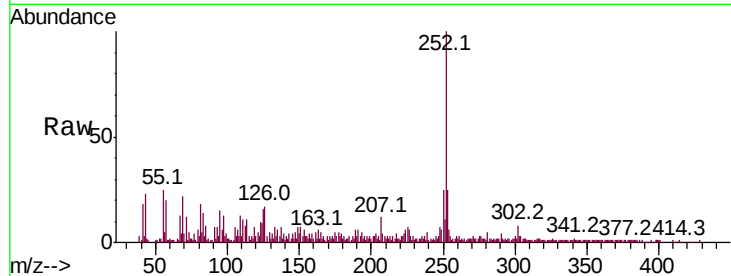
Instrument :
BNA_F

ClientSampleId :
TR-05-RO-2-012319

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.5	26.3
125	16.4	9.0	13.4

Manual Integrations
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Sohil
1/25/2019 10:05:03 AM



#92

Benzo(g,h,i)perylene

Concen: 2.459 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.00 min

Lab File: BF112210.D

Acq: 24 Jan 2019 15:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.0	19.4	29.0
138	26.0	19.1	28.7

