

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012419\
 Data File : BF112209.D
 Acq On : 24 Jan 2019 15:24
 Operator : JU/SJ
 Sample : K1016-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-RO-1-012319

Manual Integrations
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Sohil
 1/25/2019 10:05:02 AM

Quant Time: Jan 24 16:31:17 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	175488	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	646220	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	305020	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	495797	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	423016	20.00	ng	0.00
87) Perylene-d12	15.50	264	451056	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1045192	108.10	ng	0.00
7) Phenol-d6	6.50	99	1288318	106.50	ng	0.00
23) Nitrobenzene-d5	7.41	82	770658	82.39	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	332316	100.99	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	1440075	69.22	ng	0.00
79) Terphenyl-d14	12.97	244	1073163	53.97	ng	0.00

Target Compounds

						Qvalue
49) Acenaphthylene	9.75	152	94729	3.252	ng	99
50) Dimethylphthalate	9.60	163	107083	4.814	ng	99
52) Acenaphthene	9.92	154	116276	6.523	ng	99
55) Dibenzofuran	10.09	168	213489	7.920	ng	98
58) Fluorene	10.43	166	336588	16.712	ng	99
71) Phenanthrene	11.40	178	2385255	95.596	ng	99
72) Anthracene	11.45	178	795904	31.489	ng	99
73) Carbazole	11.60	167	106630	4.211	ng	96
75) Fluoranthene	12.60	202	2738507	103.950	ng	98
78) Pyrene	12.83	202	2315551	82.968	ng	98
81) Benzo(a)anthracene	14.02	228	1289845	53.180	ng	99
83) Chrysene	14.05	228	1126564m	49.087	ng	
86) Indeno(1,2,3-cd)pyrene	16.98	276	496159	23.433	ng	# 93
88) Benzo(b)fluoranthene	15.07	252	1458115m	56.949	ng	
89) Benzo(k)fluoranthene	15.09	252	519080m	20.947	ng	
90) Benzo(a)pyrene	15.44	252	1029088	43.827	ng	97
91) Dibenzo(a,h)anthracene	16.99	278	132941m	6.375	ng	
92) Benzo(g,h,i)perylene	17.43	276	416911	20.292	ng	98

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

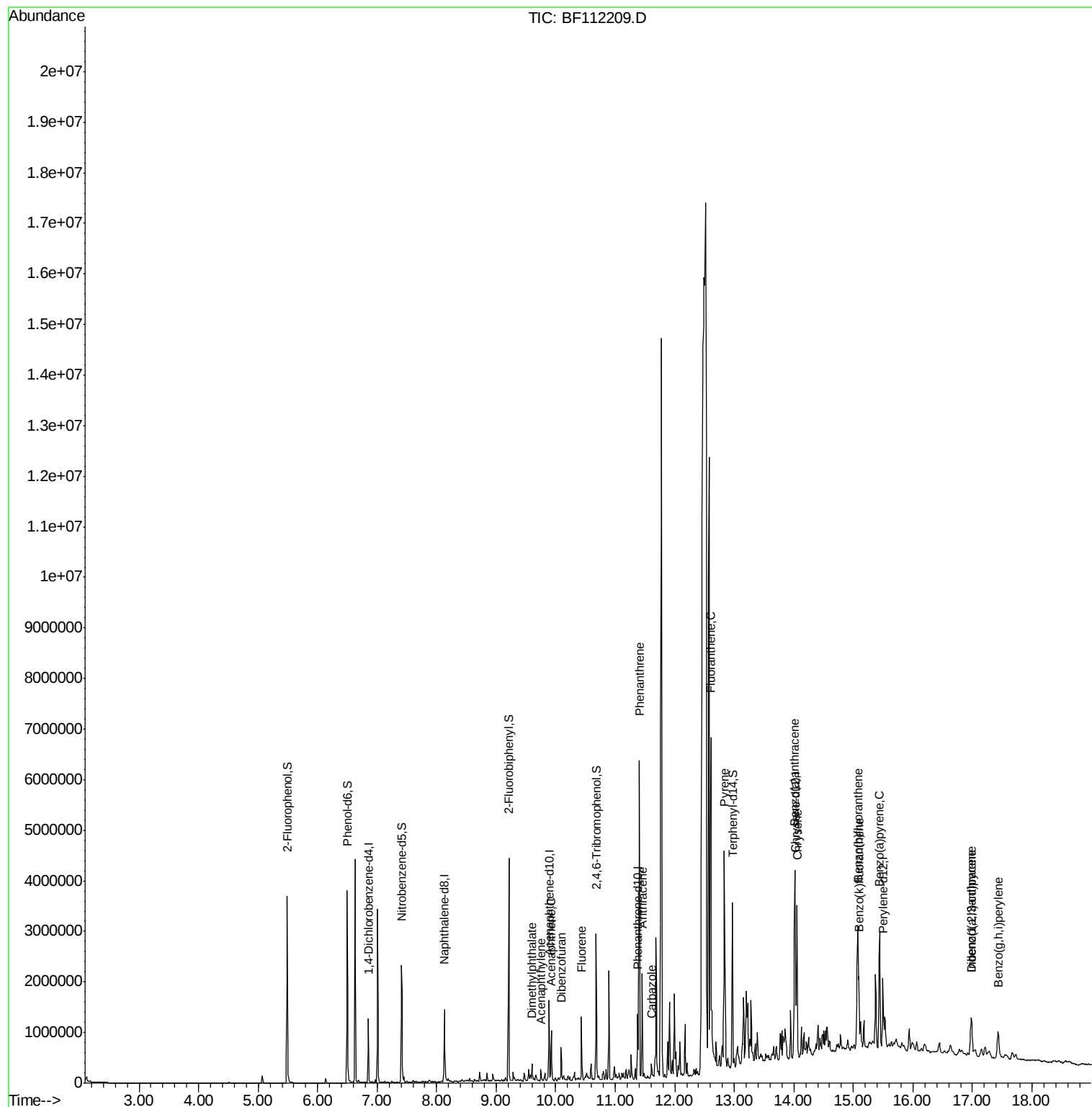
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012419\
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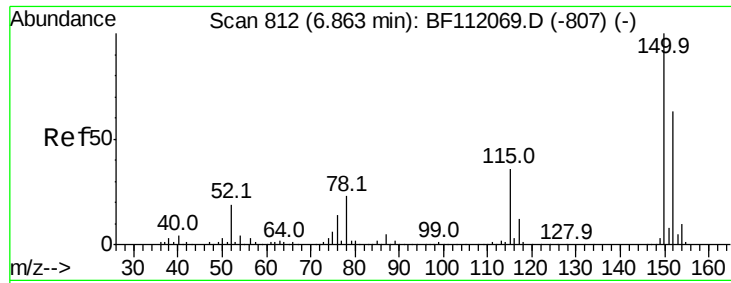
Instrument :
BNA_F
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#1

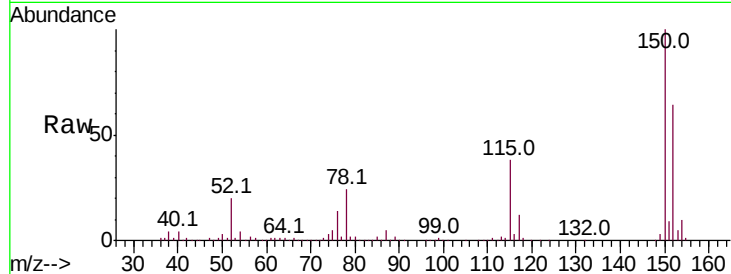
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

Instrument :
BNA_F
ClientSampleId :
TR-05-RO-1-012319

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	127.4	191.0
115	59.8	45.5	68.3

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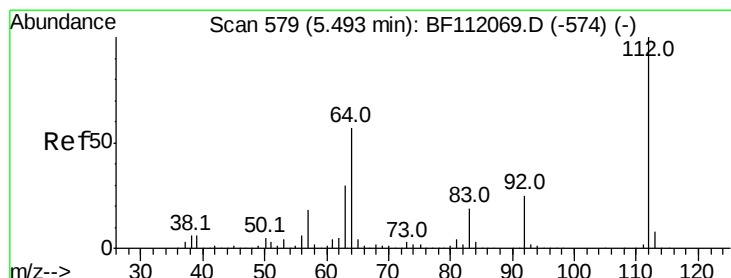
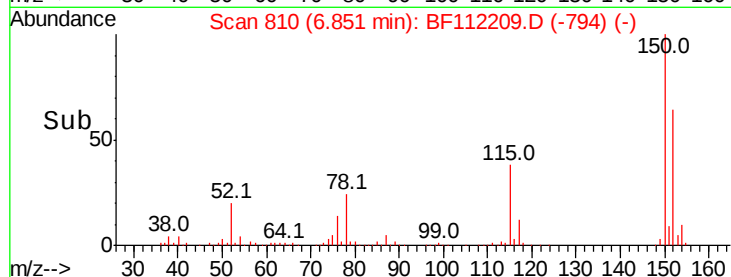
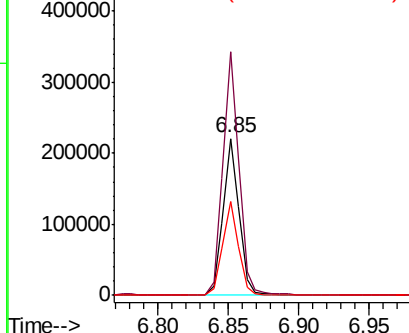


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

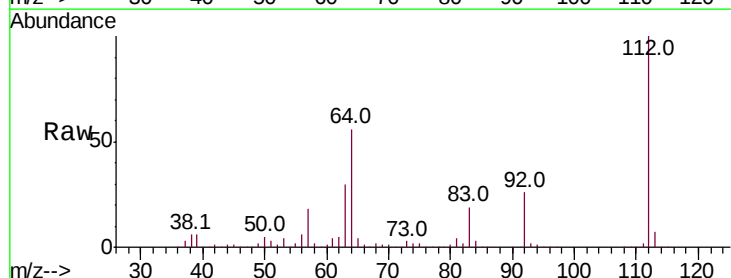
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 108.102 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	45.7	68.5
63	30.0	23.6	35.4

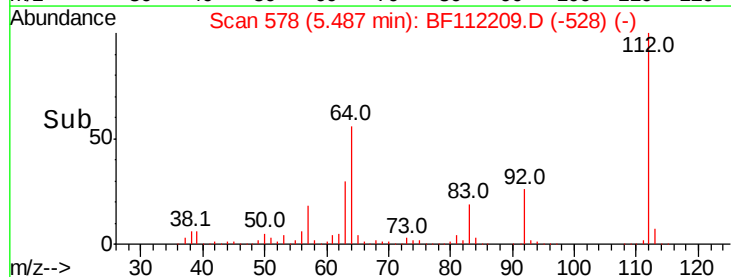
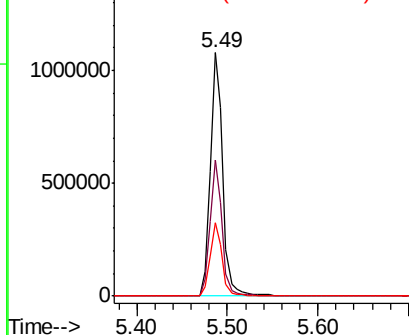


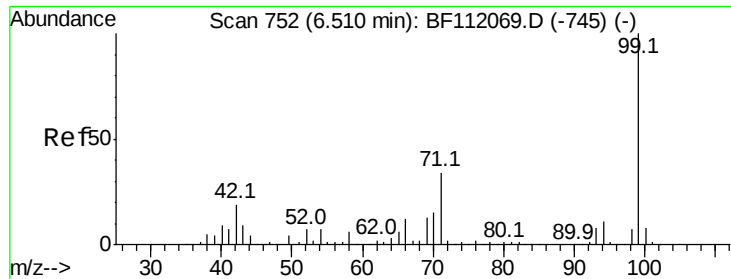
Abundance

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: 106.500 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

Instrument :

BNA_F

ClientSampleId :

TR-05-RO-1-012319

Tot Ion: 99 Resp: 1288318

Ion Ratio Lower Upper

99 100

42 18.3 15.1 22.7

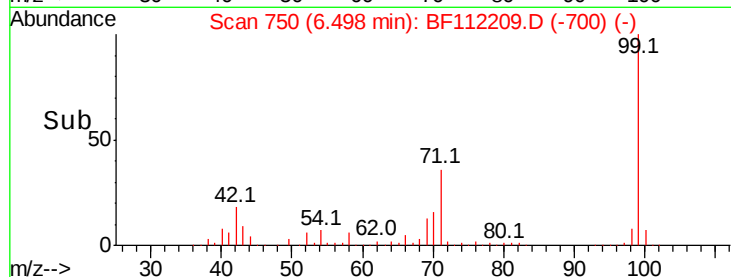
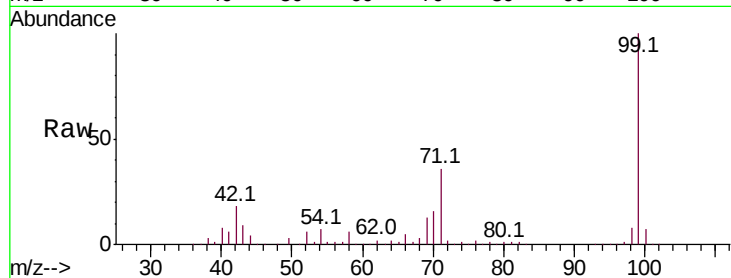
71 35.8 26.9 40.3

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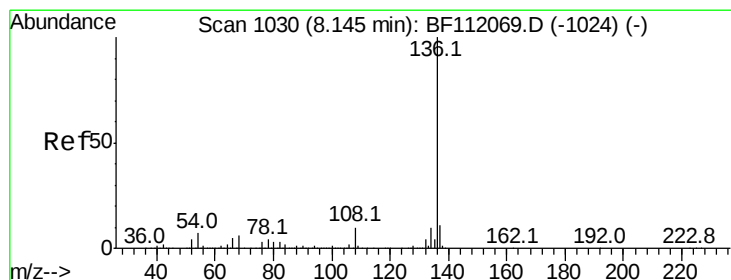
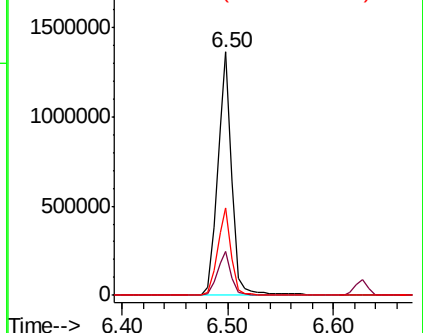
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

Tgt Ion: 136 Resp: 646220

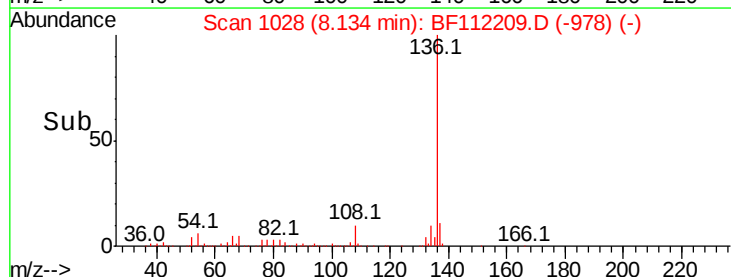
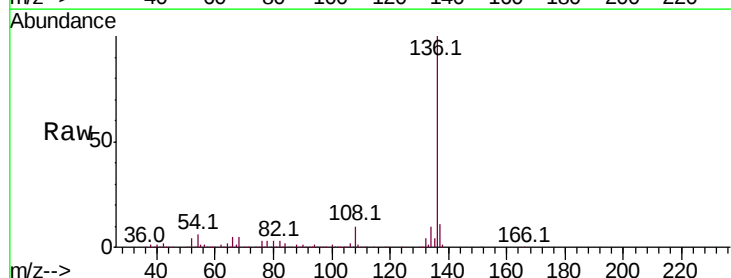
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.4 5.9 8.9

68 4.7 5.1 7.7#

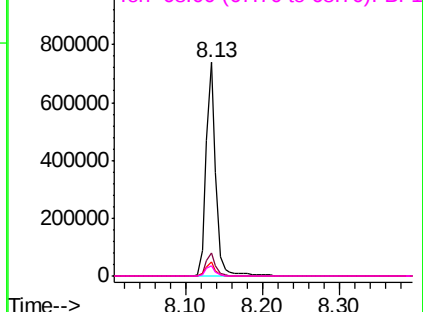


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





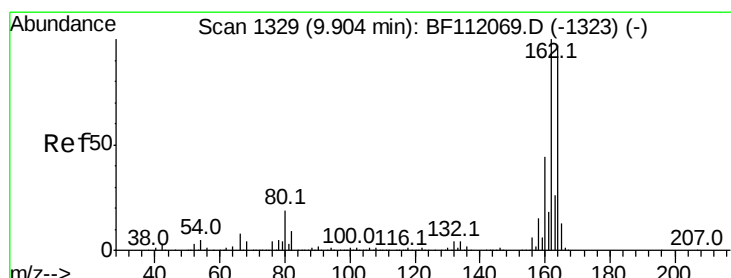
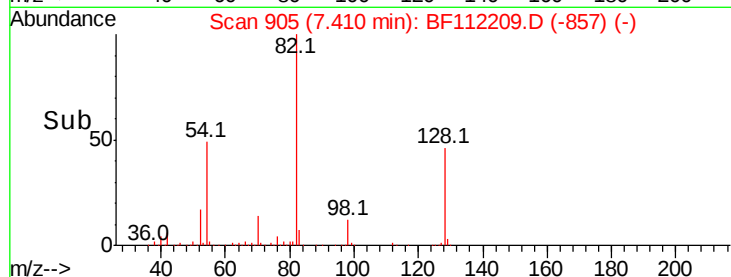
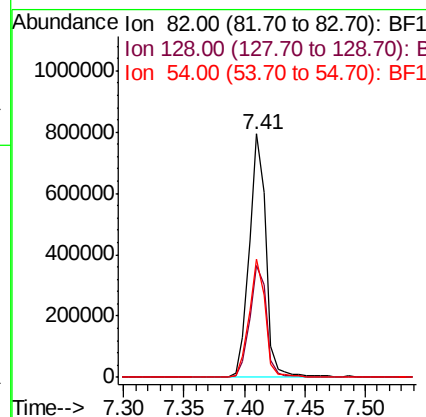
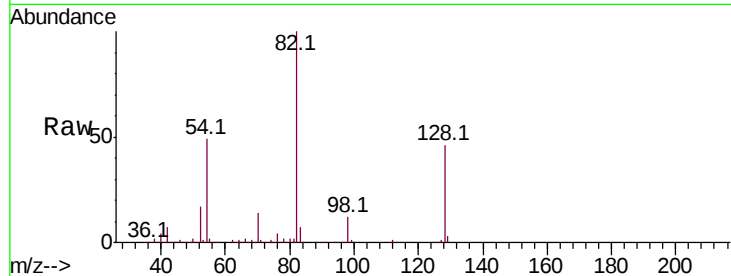
#23
Nitrobenzene-d5
Concen: 82.393 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

Instrument :
BNA_F
ClientSampleId :
TR-05-RO-1-012319

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	37.8	56.8
54	48.6	39.7	59.5

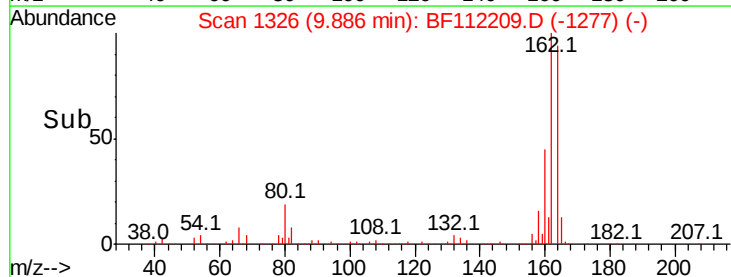
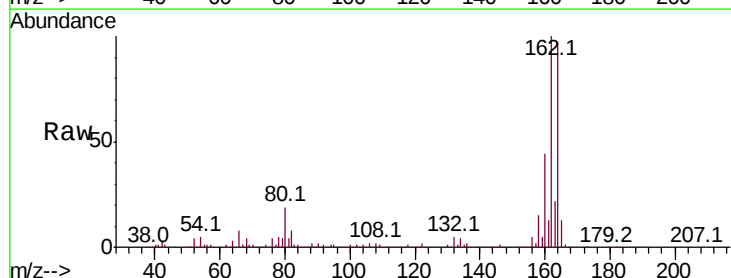
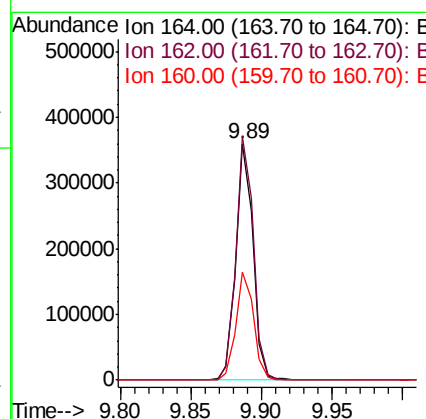
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.2	123.4
160	45.6	36.2	54.4





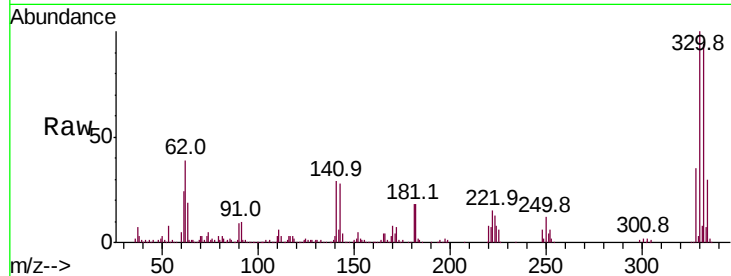
#42
 2,4,6-Tribromophenol
 Concen: 100.993 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF112209.D
 Acq: 24 Jan 2019 15:24

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-RO-1-012319

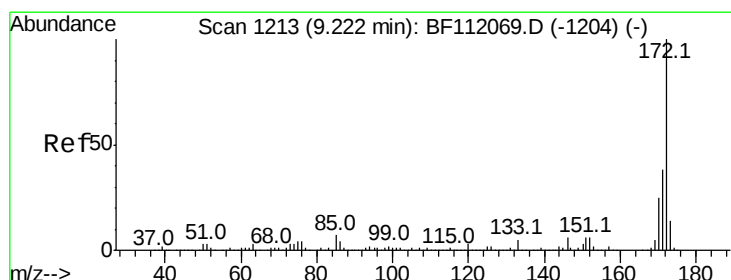
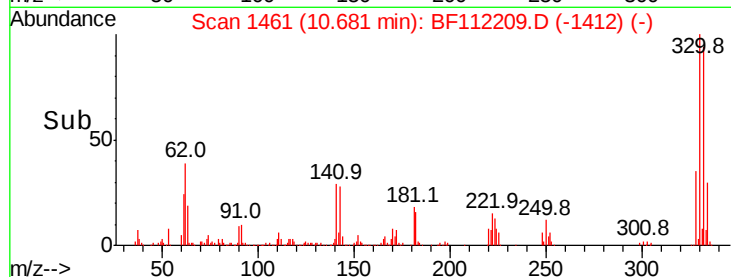
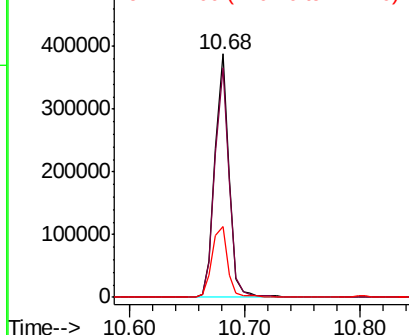
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.1	76.6	114.8	
141	31.5	24.3	36.5	

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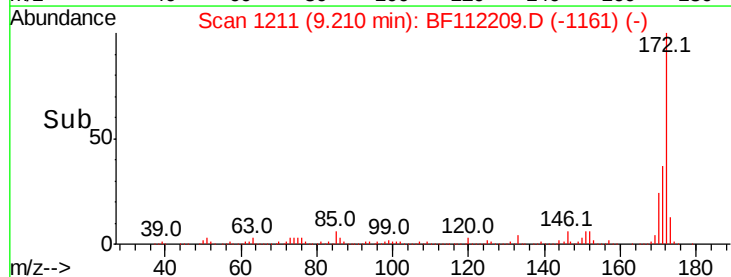
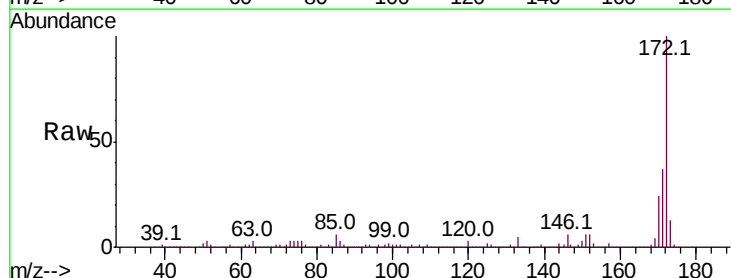
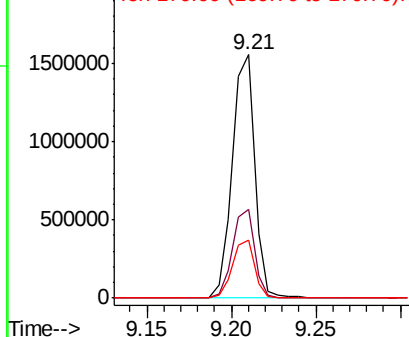
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

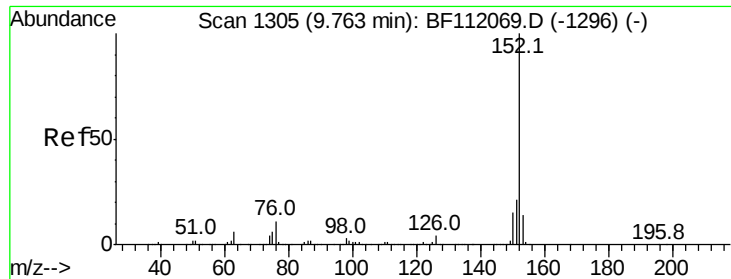


#45
 2-Fluorobiphenyl
 Concen: 69.219 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF112209.D
 Acq: 24 Jan 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.6	30.5	45.7	
170	24.0	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





#49

Acenaphthylene

Concen: 3.252 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

Instrument :

BNA_F

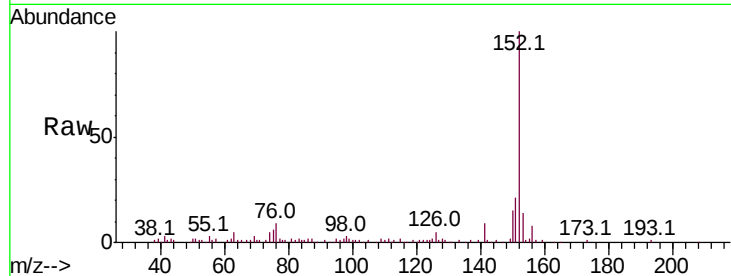
ClientSampleId :

TR-05-RO-1-012319

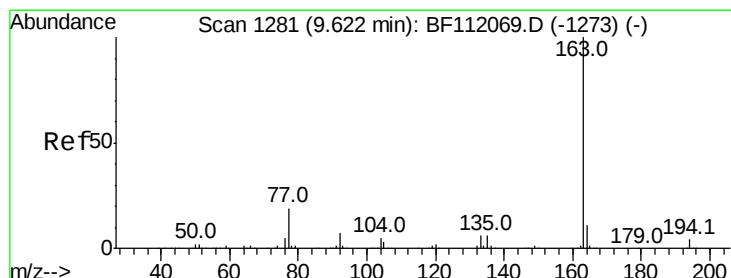
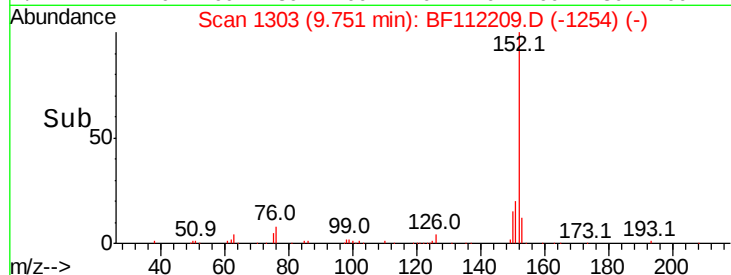
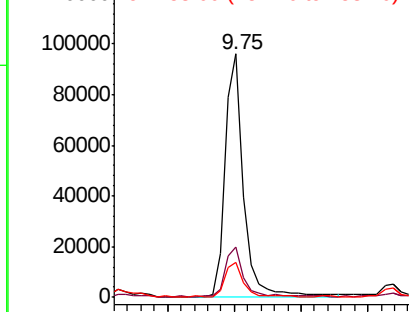
Tot Ion:	152	Resp:	94729
Ion Ratio	Lower	Upper	
152	100		
151	20.7	17.0	25.6
153	14.2	11.2	16.8

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 4.814 ng

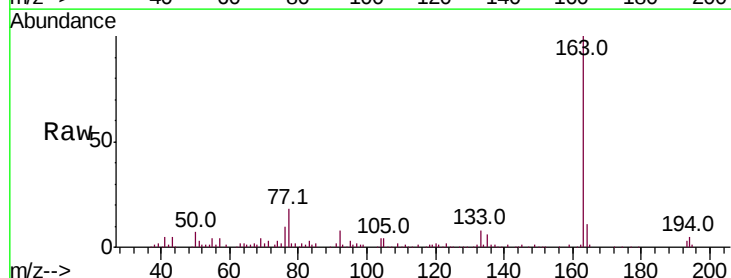
RT: 9.60 min Scan# 1277

Delta R.T. -0.02 min

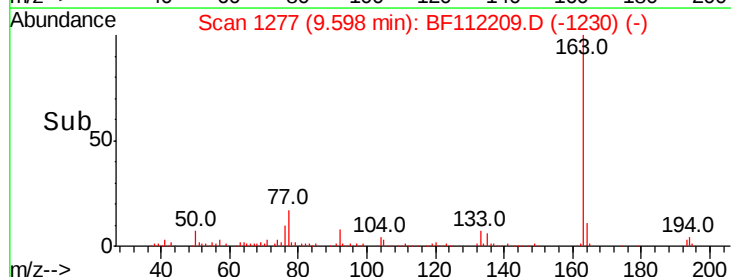
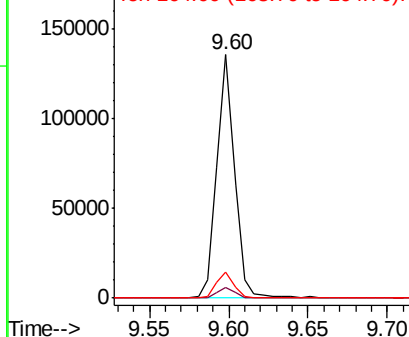
Lab File: BF112209.D

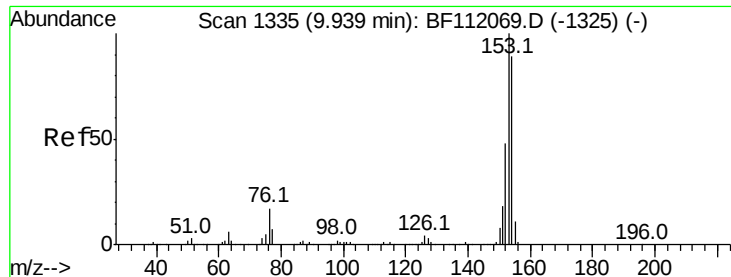
Acq: 24 Jan 2019 15:24

Tgt Ion:	163	Resp:	107083
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.3	4.9
164	10.5	8.5	12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 6.523 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

Instrument :

BNA_F

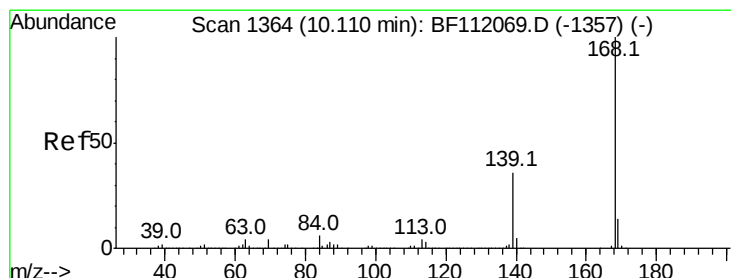
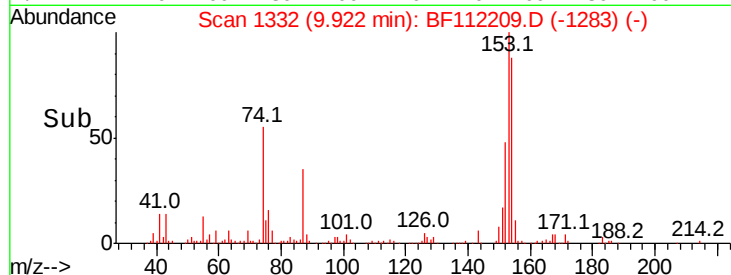
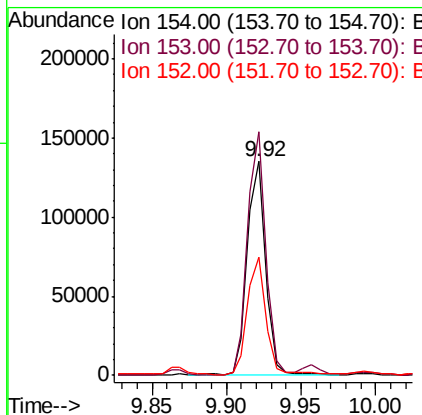
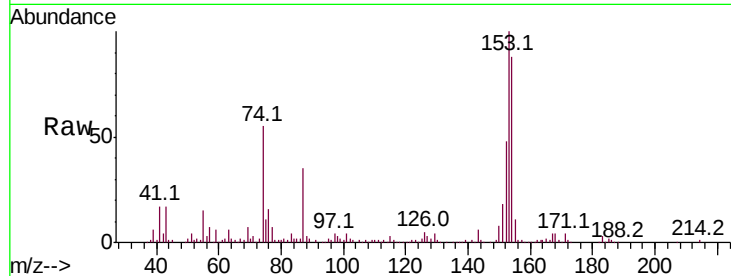
ClientSampleId :

TR-05-RO-1-012319

Tot Ion:	154	Resp:	116276
Ion Ratio	Lower	Upper	
154	100		
153	113.8	89.8	134.6
152	55.0	43.5	65.3

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#55

Dibenzofuran

Concen: 7.920 ng

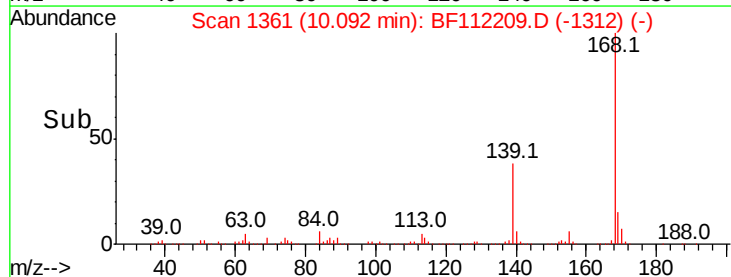
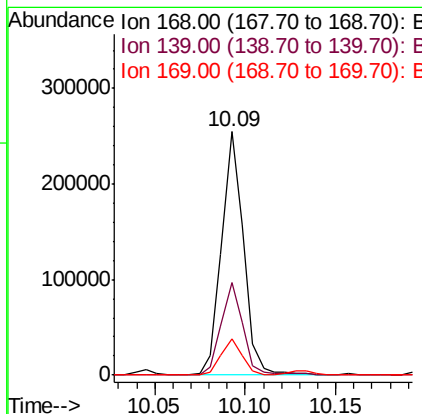
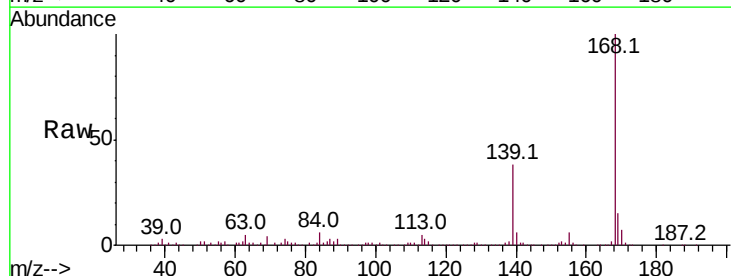
RT: 10.09 min Scan# 1361

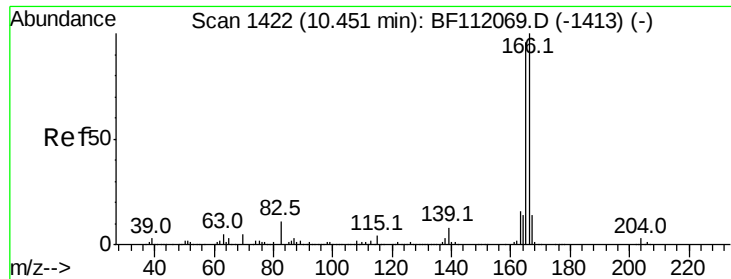
Delta R.T. -0.01 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

Tgt Ion:	168	Resp:	213489
Ion Ratio	Lower	Upper	
168	100		
139	37.9	29.2	43.8
169	14.6	11.4	17.0





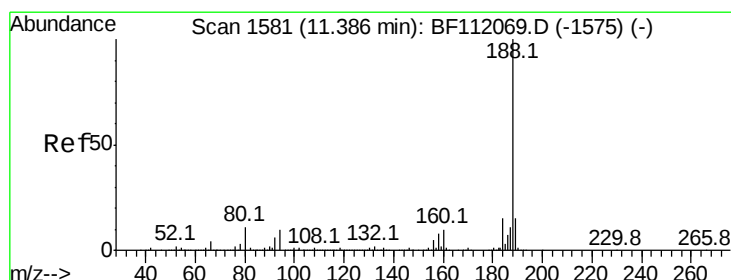
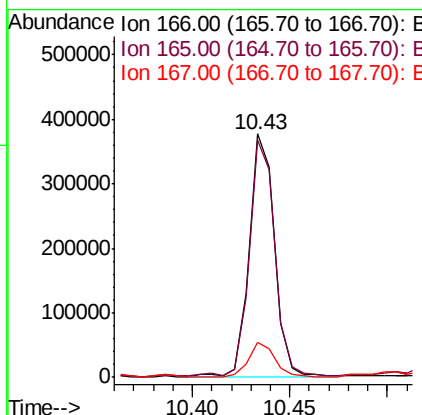
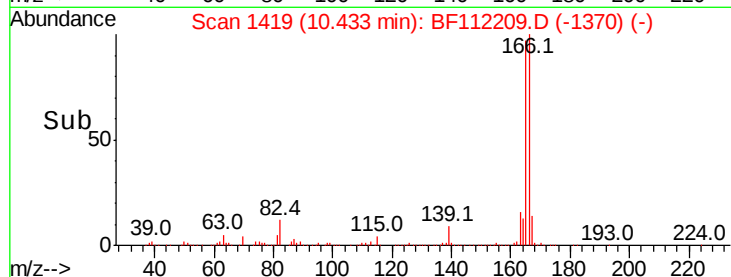
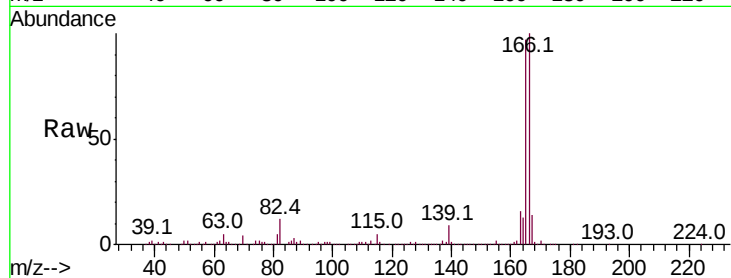
#58
 Fluorene
 Concen: 16.712 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: BF112209.D
 Acq: 24 Jan 2019 15:24

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-RO-1-012319

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.1	115.7
167	14.3	11.3	16.9

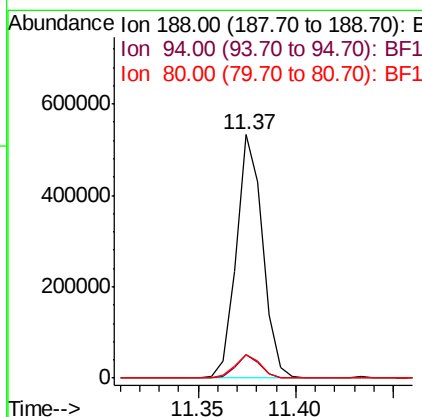
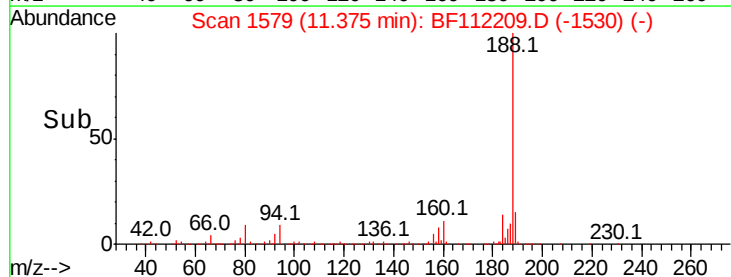
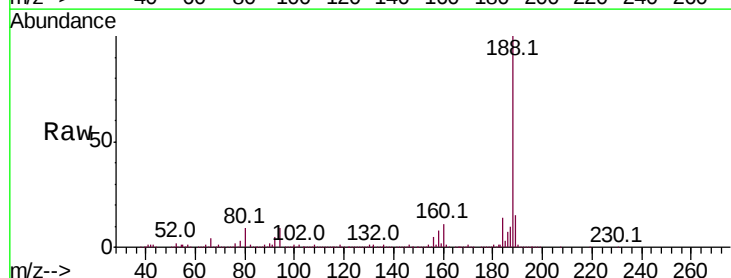
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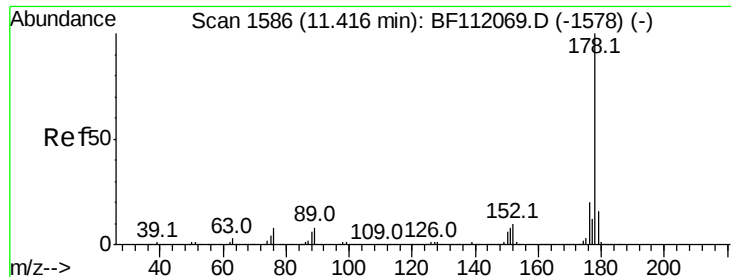
Sohil
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF112209.D
 Acq: 24 Jan 2019 15:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.2	12.2
80	9.4	8.9	13.3





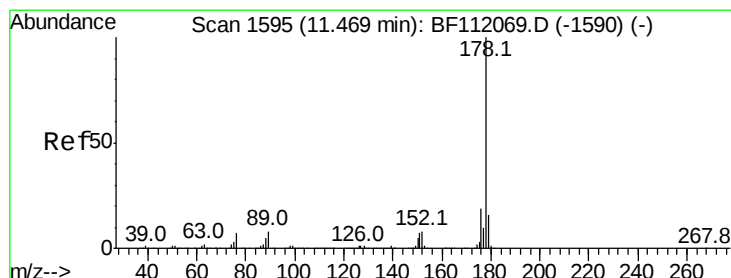
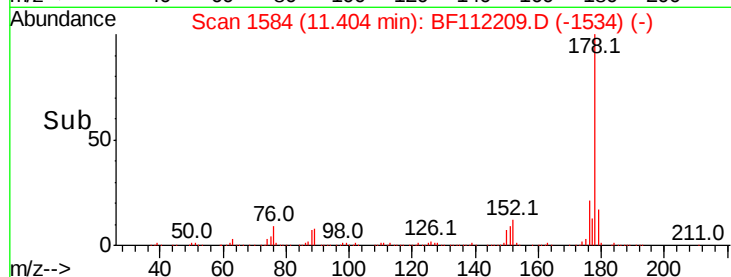
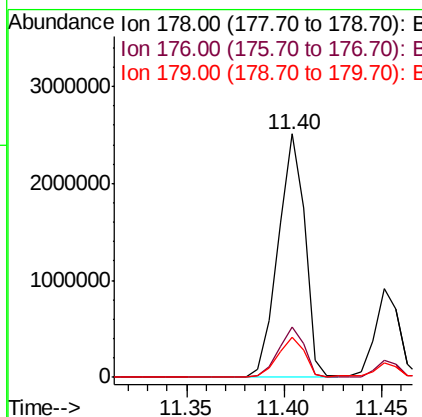
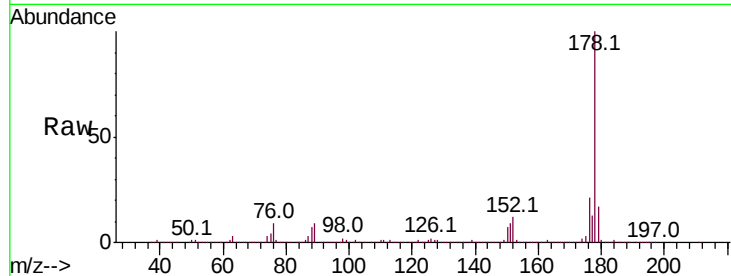
#71
Phenanthrene
Concen: 95.596 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

Instrument :
BNA_F
ClientSampleId :
TR-05-RO-1-012319

Tot Ion:178 Resp: 2385255
Ion Ratio Lower Upper
178 100
176 20.8 16.3 24.5
179 16.6 13.0 19.4

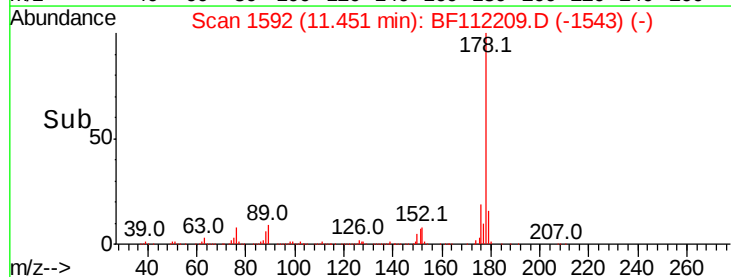
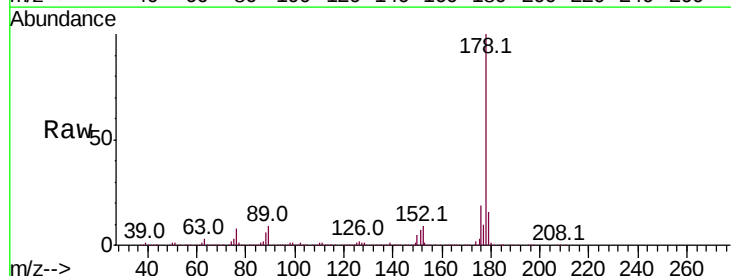
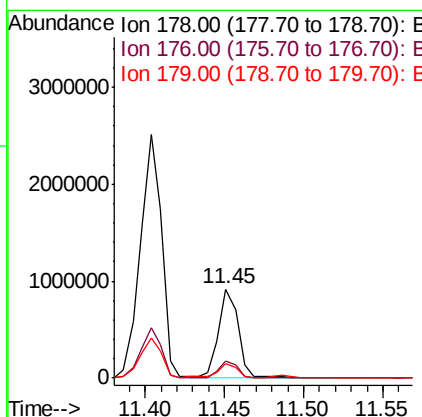
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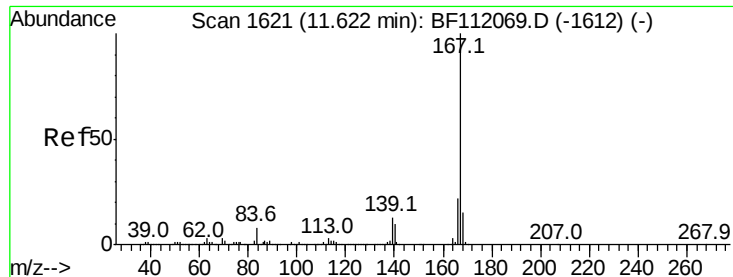
Sohil
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#72
Anthracene
Concen: 31.489 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

Tgt Ion:178 Resp: 795904
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.7 12.8 19.2





#73

Carbazole

Concen: 4.211 ng

RT: 11.60 min Scan# 1618

Delta R.T. -0.01 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

Instrument :

BNA_F

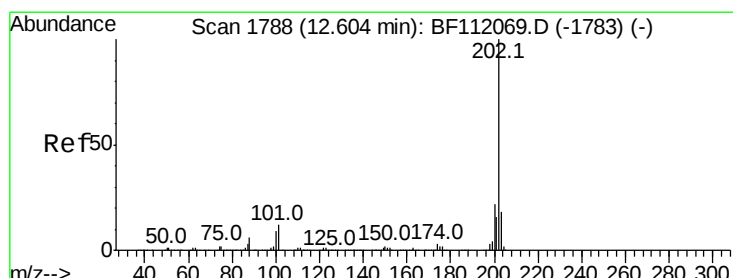
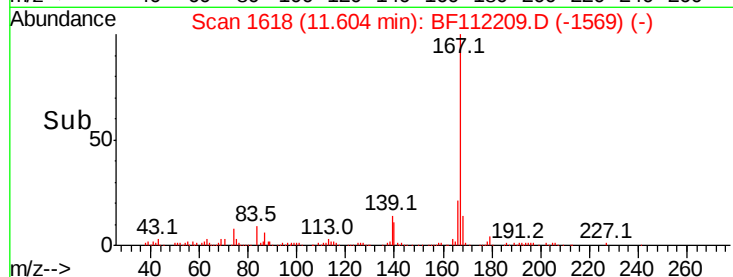
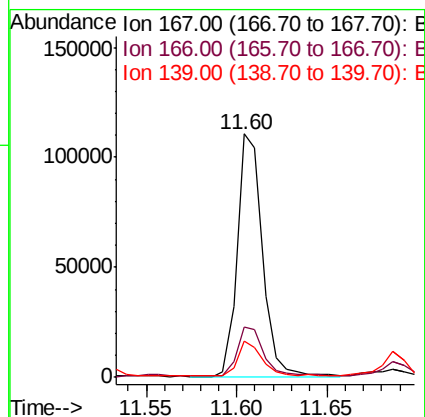
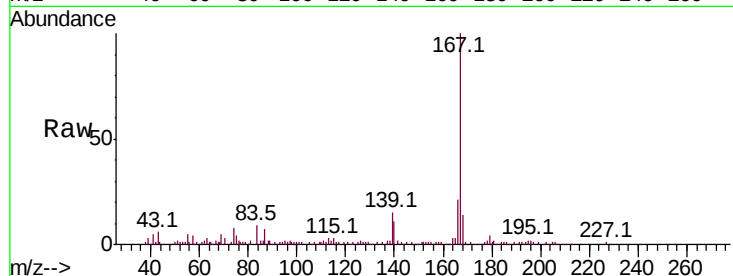
ClientSampleId :

TR-05-RO-1-012319

Tot Ion:	167	Resp:	106630
Ion Ratio	Lower	Upper	
167	100		
166	20.8	17.9	26.9
139	14.7	10.2	15.2

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#75

Fluoranthene

Concen: 103.950 ng

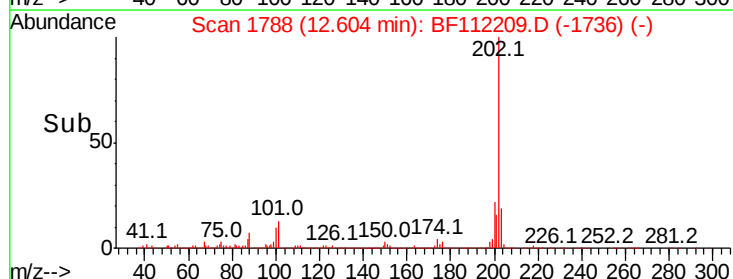
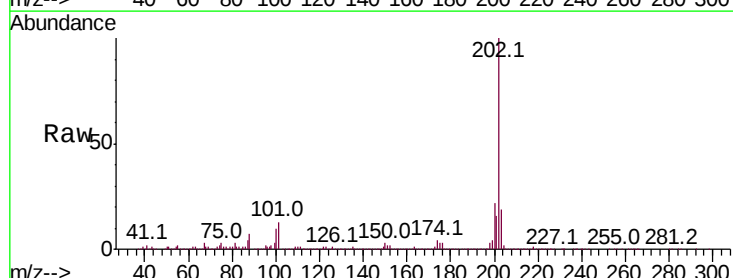
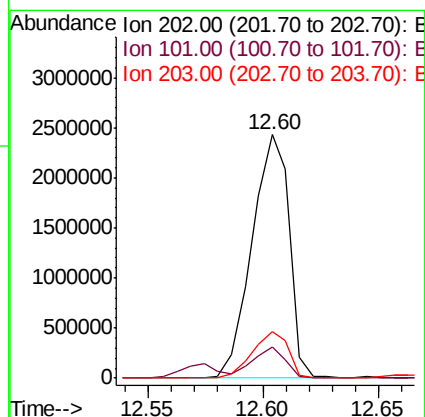
RT: 12.60 min Scan# 1788

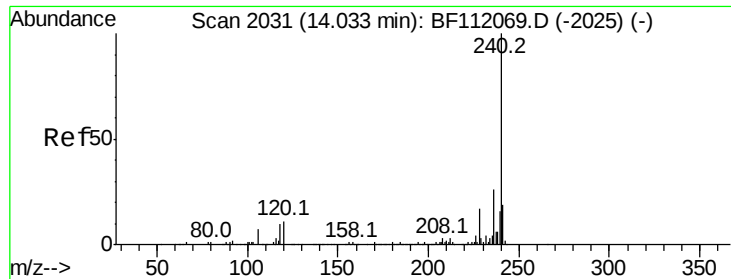
Delta R.T. 0.01 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

Tgt Ion:	202	Resp:	2738507
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	31.8
203	19.1	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: BF112209.D

Acq: 24 Jan 2019 15:24

Instrument :

BNA_F

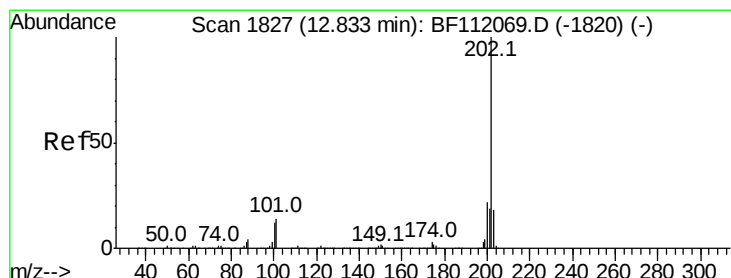
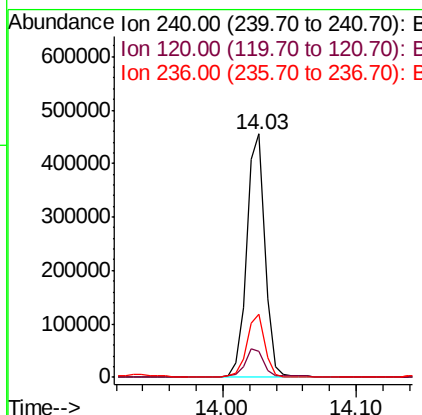
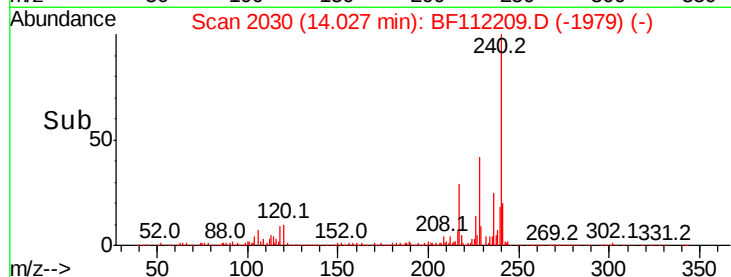
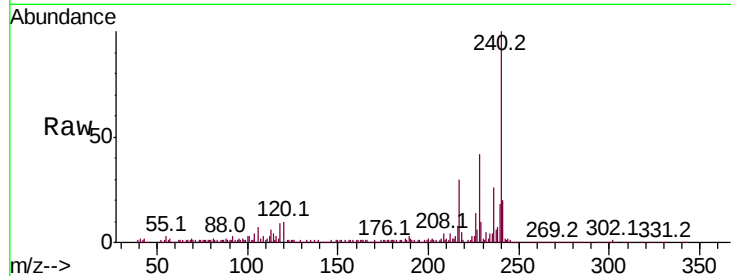
ClientSampleId :

TR-05-RO-1-012319

Tot Ion:	240	Resp:	423016
Ion Ratio	Lower	Upper	
240	100		
120	10.5	9.0	13.6
236	25.7	20.7	31.1

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#78

Pyrene

Concen: 82.968 ng

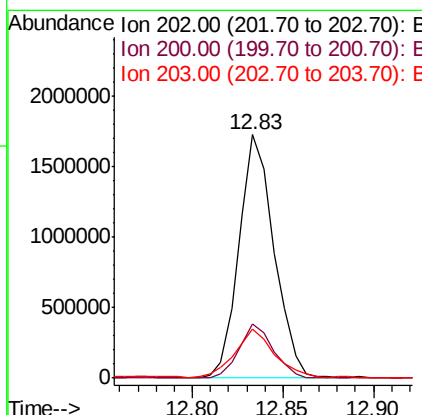
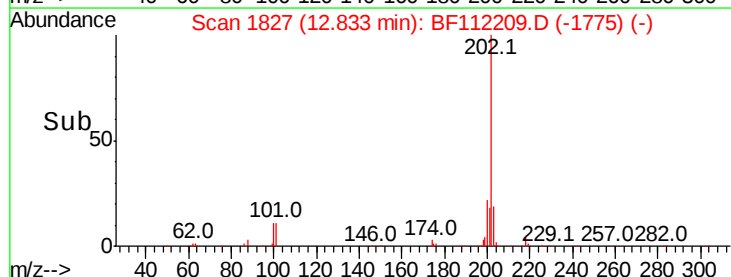
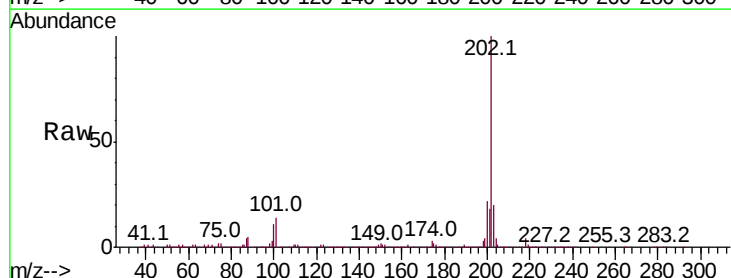
RT: 12.83 min Scan# 1827

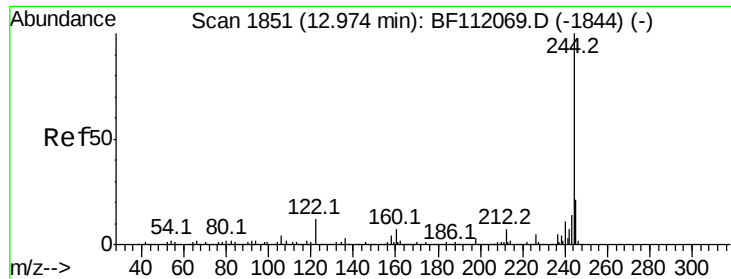
Delta R.T. 0.01 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

Tgt Ion:	202	Resp:	2315551
Ion Ratio	Lower	Upper	
202	100		
200	22.3	17.7	26.5
203	20.0	14.6	22.0





#79
 Terphenyl-d14
 Concen: 53.970 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BF112209.D
 Acq: 24 Jan 2019 15:24

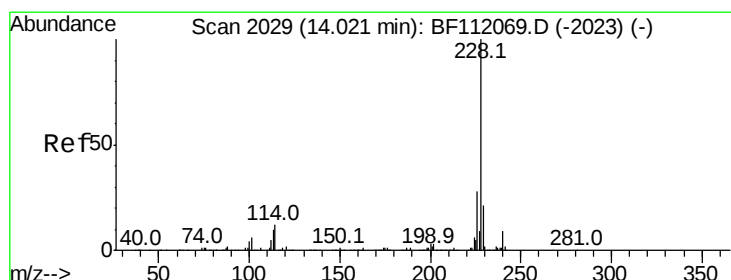
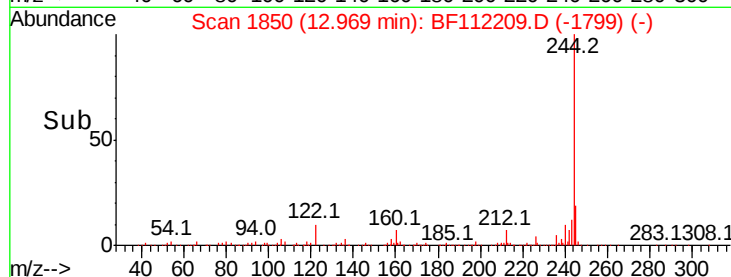
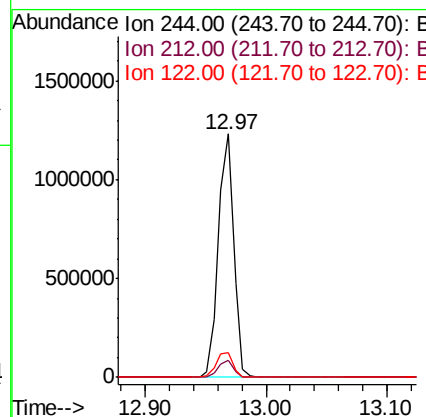
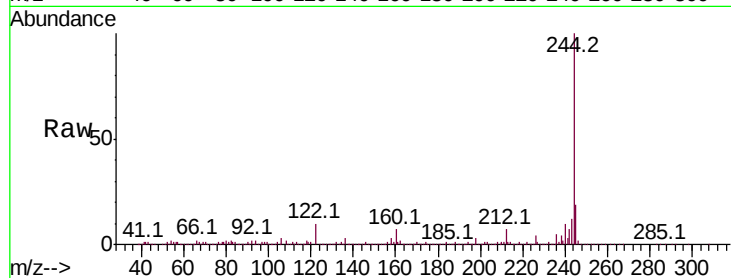
Instrument :
 BNA_F
 ClientSampled :
 TR-05-RO-1-012319

Tot Ion:244 Resp: 1073163

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	10.3	9.8	14.6

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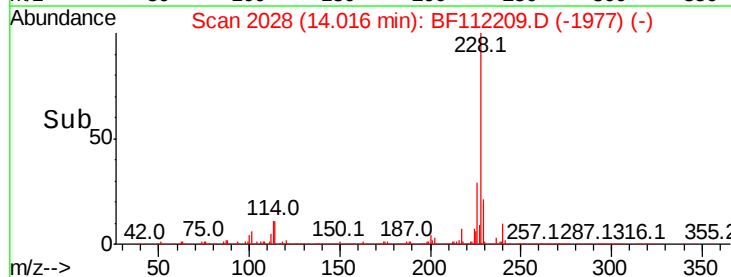
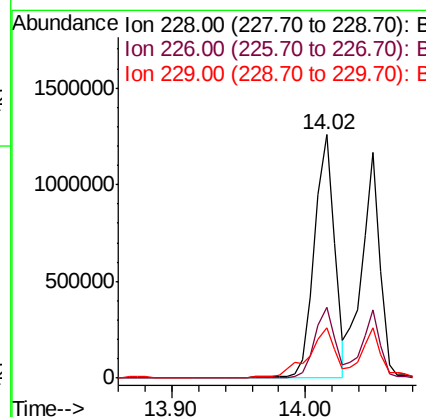
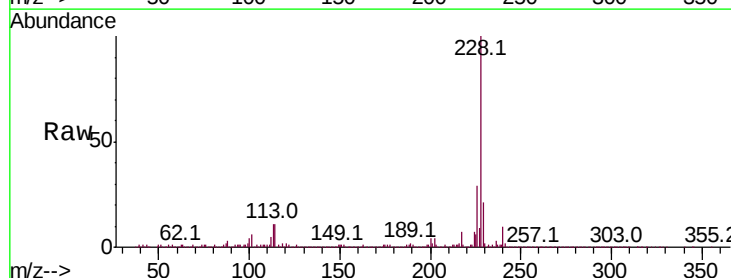
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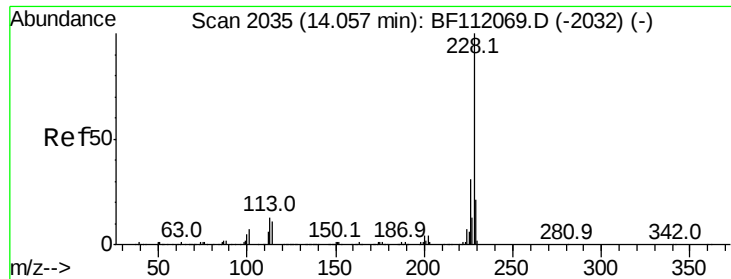


#81
 Benzo(a)anthracene
 Concen: 53.180 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BF112209.D
 Acq: 24 Jan 2019 15:24

Tgt Ion:228 Resp: 1289845

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	34.0
229	20.9	16.5	24.7





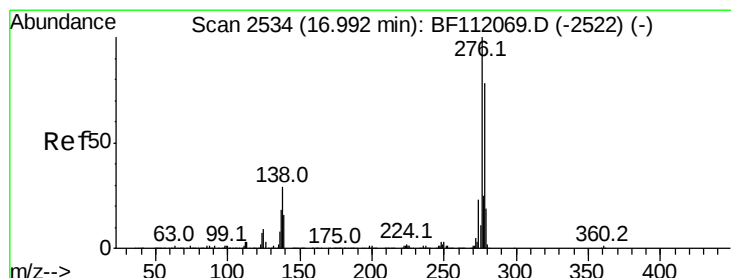
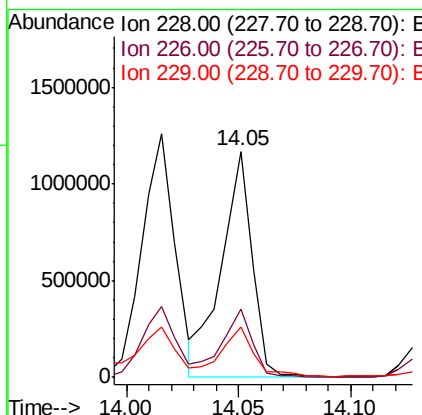
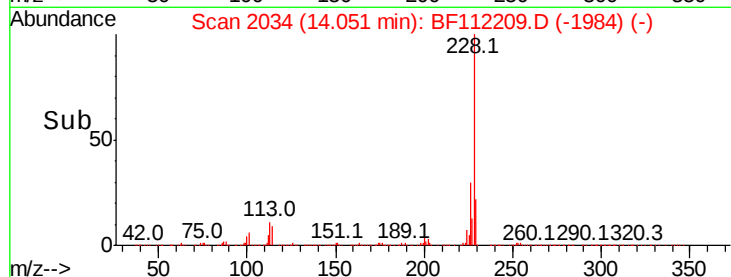
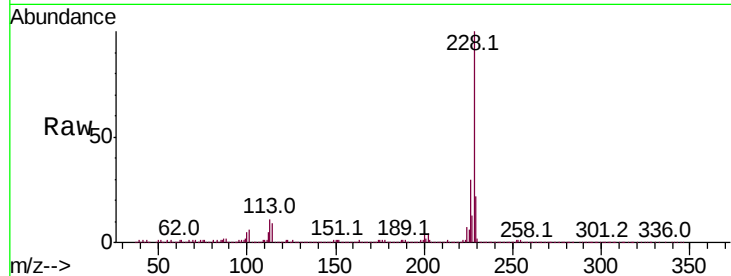
#83
Chrysene
Concen: 49.087 ng/ml
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

Instrument :
BNA_F
ClientSampleID :
TR-05-RO-1-012319

Tot Ion:228 Resp: 1126564
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 22.2 16.6 24.8

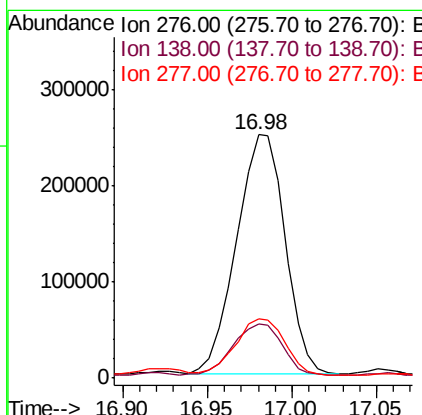
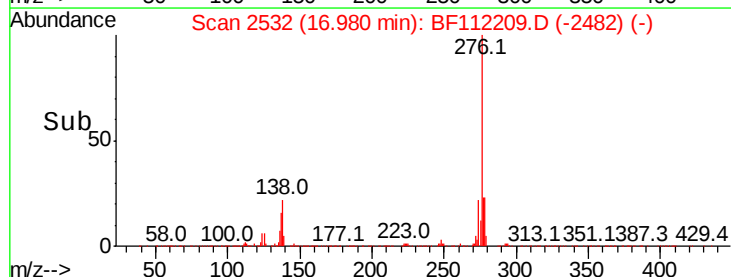
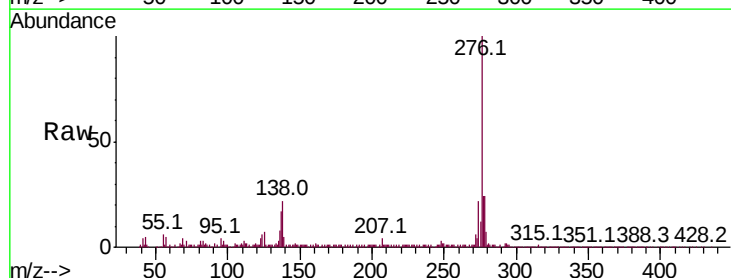
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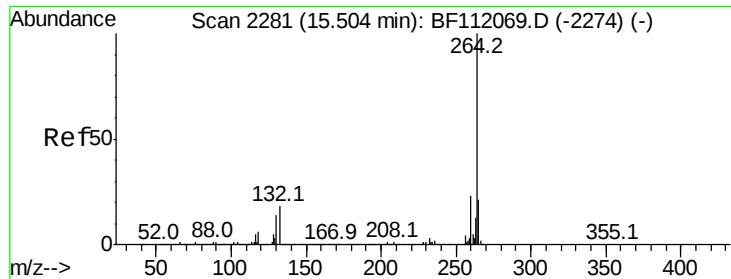
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 23.433 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

Tgt Ion:276 Resp: 496159
Ion Ratio Lower Upper
276 100
138 22.6 22.6 34.0#
277 24.4 20.3 30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

Instrument :

BNA_F

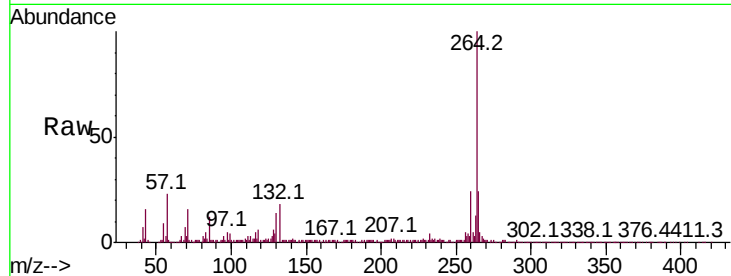
ClientSampleId :

TR-05-RO-1-012319

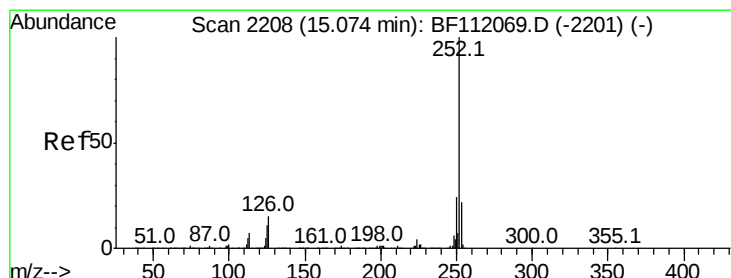
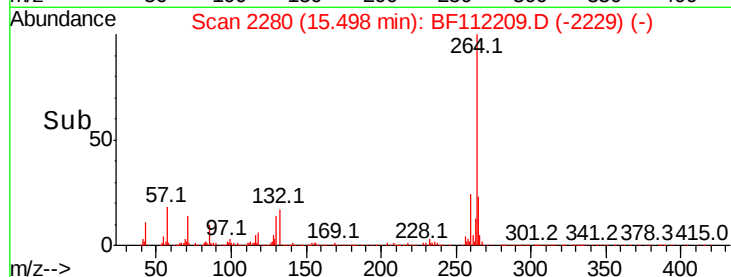
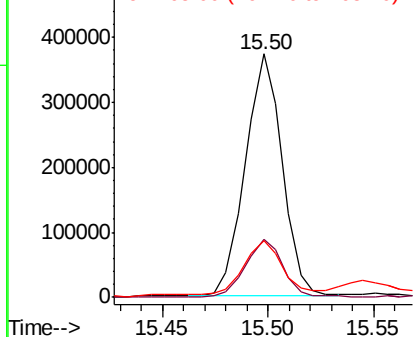
Tot Ion:	264	Resp:	451056
Ion Ratio	Lower	Upper	
264	100		
260	24.1	18.2	27.2
265	23.6	17.0	25.4

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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: 56.949 ng m

RT: 15.07 min Scan# 2208

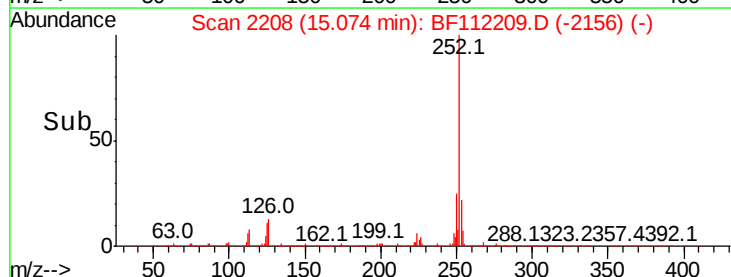
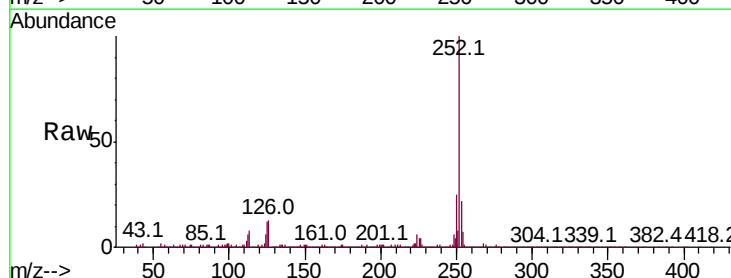
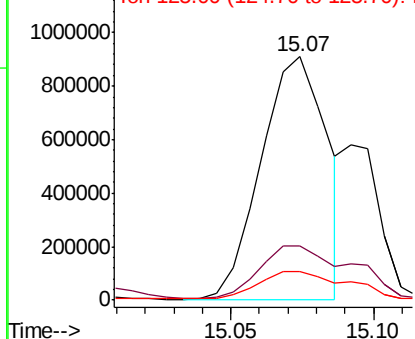
Delta R.T. 0.01 min

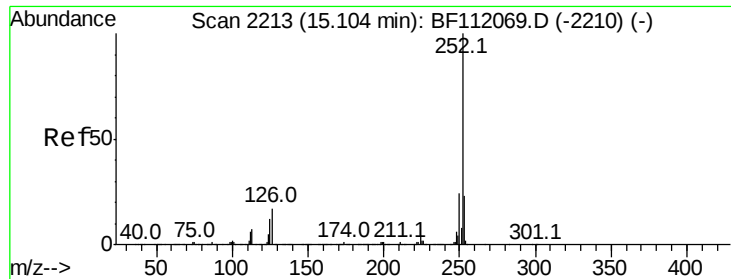
Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

Tgt Ion:	252	Resp:	1458115
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.0	27.0
125	11.6	8.7	13.1

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





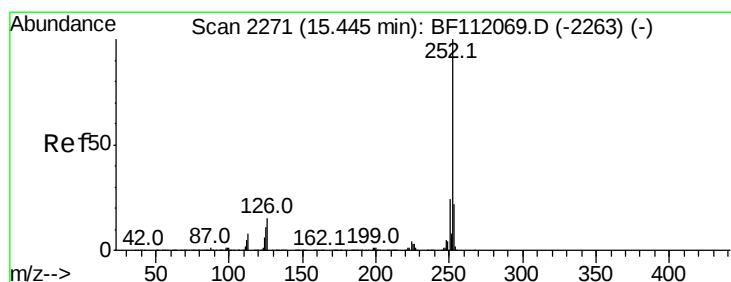
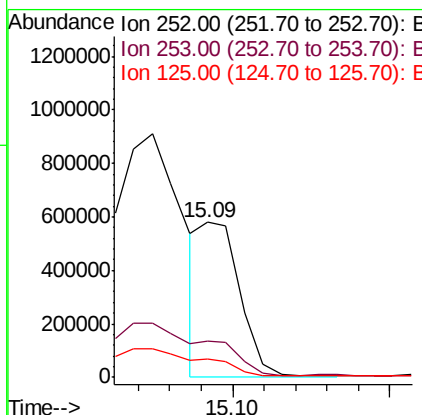
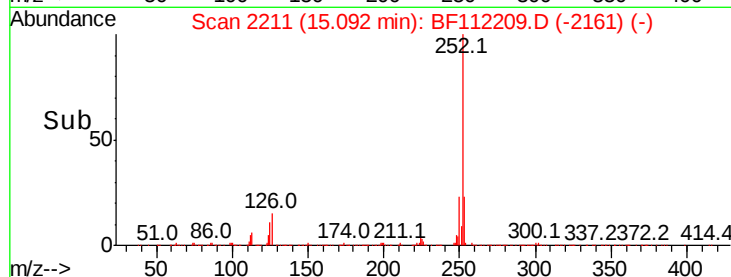
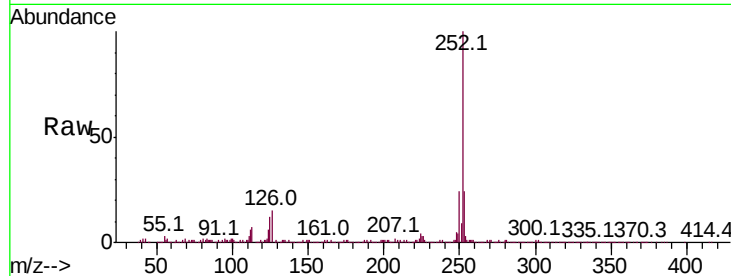
#89
Benzo(k)fluoranthene
Concen: 20.947 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

Instrument :
BNA_F
ClientSampleId :
TR-05-RO-1-012319

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	11.5	9.1	13.7

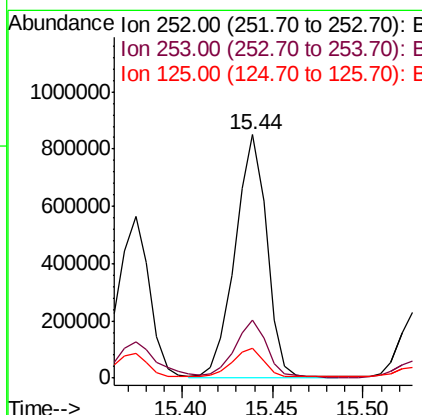
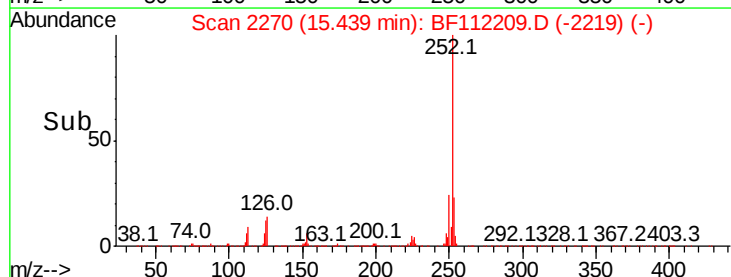
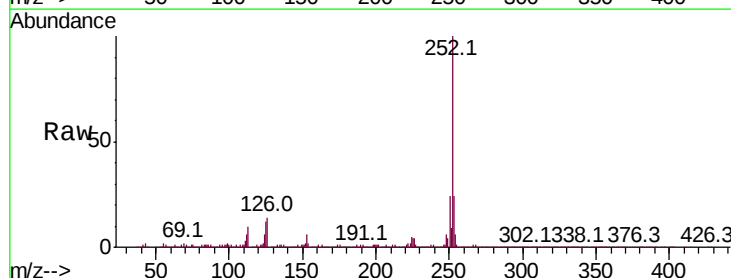
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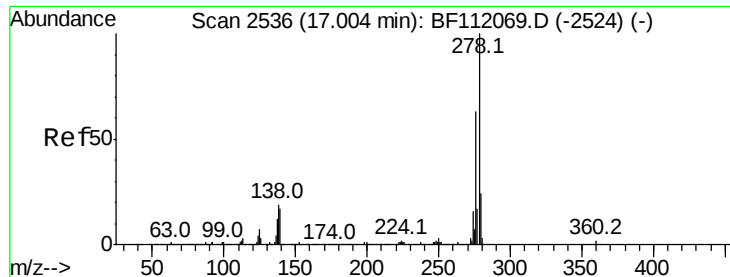
Sohil
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#90
Benzo(a)pyrene
Concen: 43.827 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	12.1	9.0	13.4





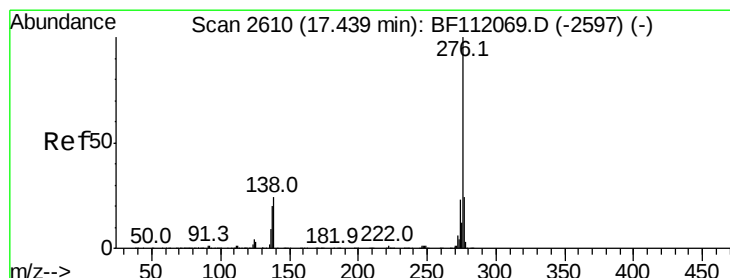
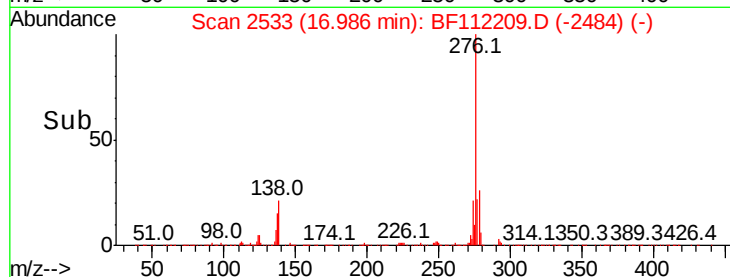
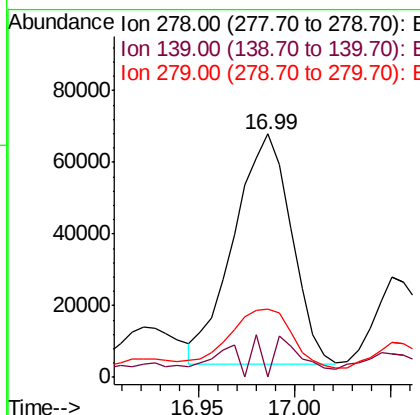
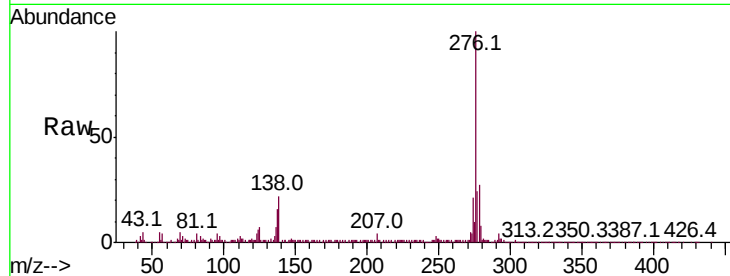
#91
Dibenzo(a,h)anthracene
Concen: 6.375 ng/mL
RT: 16.99 min Scan# 2533
Delta R.T. -0.01 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

Instrument :
BNA_F
ClientSampleId :
TR-05-RO-1-012319

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.7	20.5
279	28.3	19.0	28.6

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#92
Benzo(g,h,i)perylene
Concen: 20.292 ng/mL
RT: 17.43 min Scan# 2609
Delta R.T. 0.01 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.4	29.0
138	22.7	19.1	28.7

