

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
 Data File : BF112023.D
 Acq On : 11 Jan 2019 18:50
 Operator : JU/SJ
 Sample : K1011-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-011019-A

Manual Integrations
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Quant Time: Jan 14 12:48:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 11 21:37:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	109694	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	403371	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	174944	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	329827	20.00	ng	0.00
76) Chrysene-d12	14.04	240	325018	20.00	ng	0.00
87) Perylene-d12	15.52	264	206748	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	311587	48.60	ng	0.00
7) Phenol-d6	6.51	99	387857	46.93	ng	0.00
23) Nitrobenzene-d5	7.43	82	232040	30.74	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	101096	44.43	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	422176	35.19	ng	0.00
79) Terphenyl-d14	12.98	244	462650	27.02	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.62	163	105072	7.995	ng	Qvalue 98
58) Fluorene	10.46	166	25452	2.197	ng	97
71) Phenanthrene	11.42	178	341811	19.383	ng	99
72) Anthracene	11.47	178	127389	7.116	ng	98
75) Fluoranthene	12.62	202	1395163	77.068	ng	97
78) Pyrene	12.84	202	1229039	54.958	ng	99
81) Benzo(a)anthracene	14.03	228	654391	34.984	ng	99
83) Chrysene	14.07	228	569268m	31.919	ng	
86) Indeno(1,2,3-cd)pyrene	17.01	276	204204	15.705	ng	95
88) Benzo(b)fluoranthene	15.09	252	625124m	50.546	ng	
89) Benzo(k)fluoranthene	15.12	252	153716m	13.223	ng	
90) Benzo(a)pyrene	15.46	252	374686	34.456	ng	98
91) Dibenzo(a,h)anthracene	17.02	278	48996	5.602	ng	# 94
92) Benzo(a,h,i)perylene	17.46	276	222365	25.994	ng	99

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

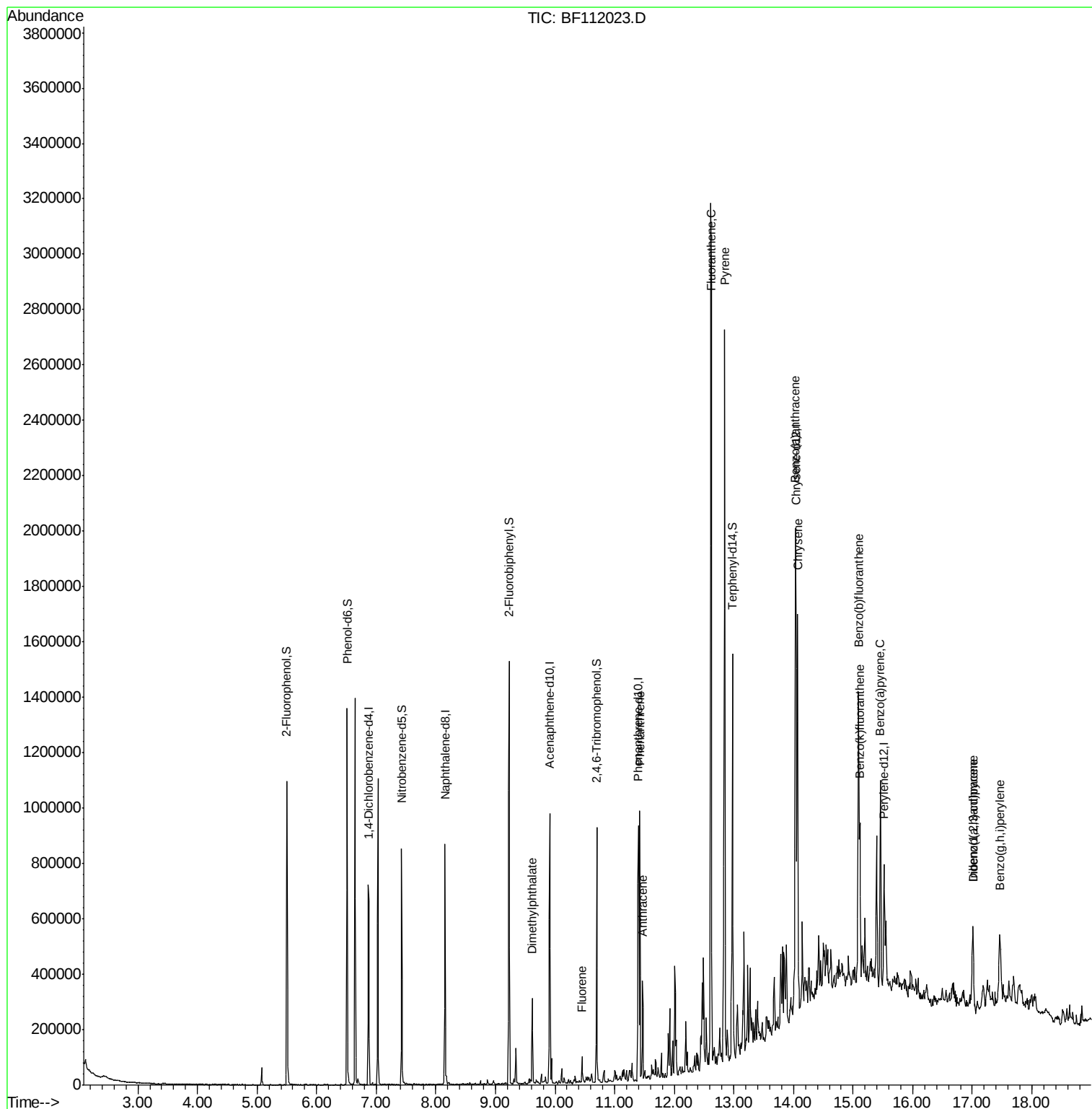
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
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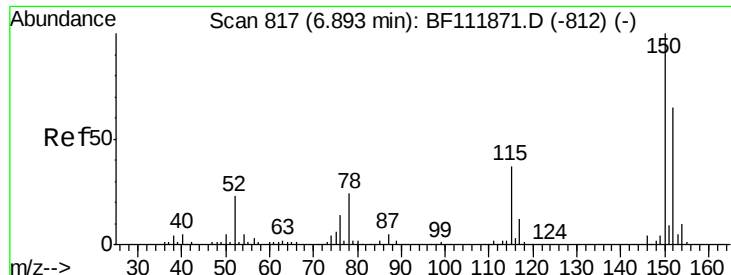
Instrument :
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OR-02-011019-A

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
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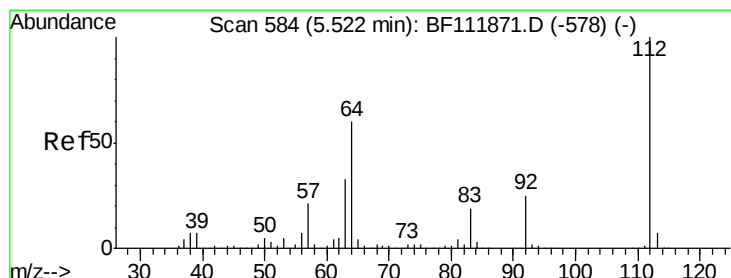
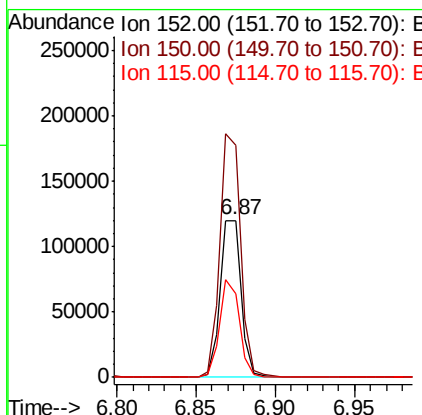
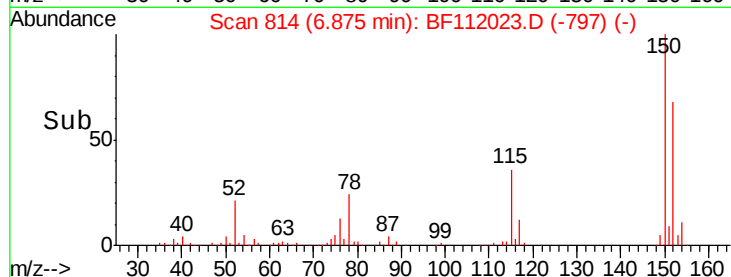
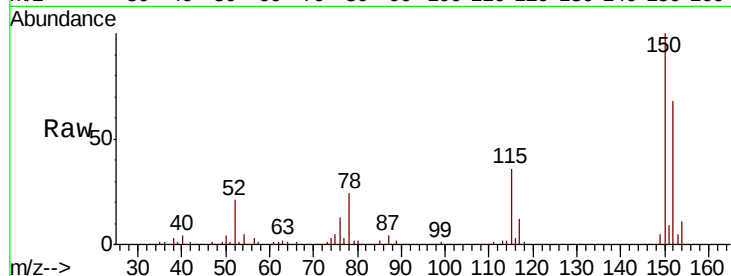
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.00 min
 Lab File: BF112023.D
 Acq: 11 Jan 2019 18:50

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-011019-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.8	122.7	184.1
115	53.3	45.2	67.8

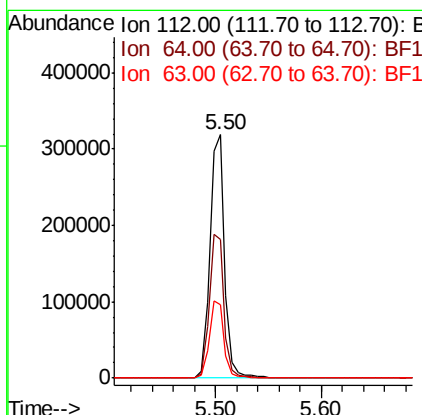
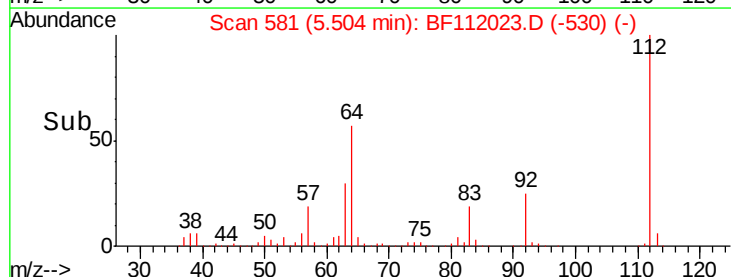
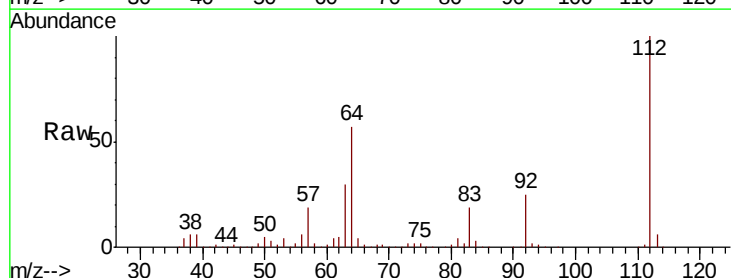
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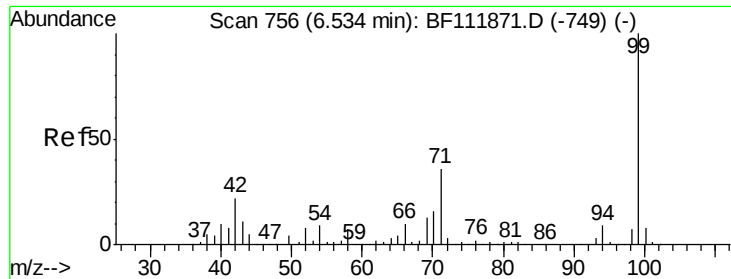
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#5
 2-Fluorophenol
 Concen: 48.596 ng
 RT: 5.50 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: BF112023.D
 Acq: 11 Jan 2019 18:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	48.3	72.5
63	30.4	26.1	39.1





#7

Phenol-d6

Concen: 46.933 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF112023.D

Acq: 11 Jan 2019 18:50

Instrument :

BNA_F

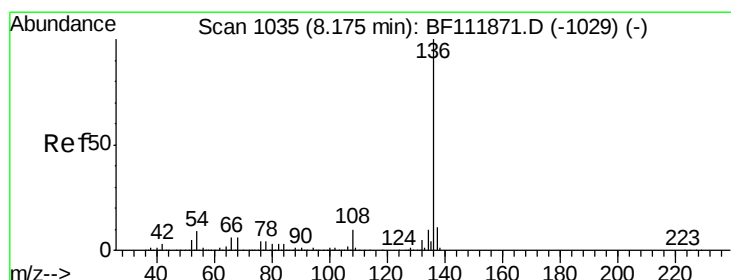
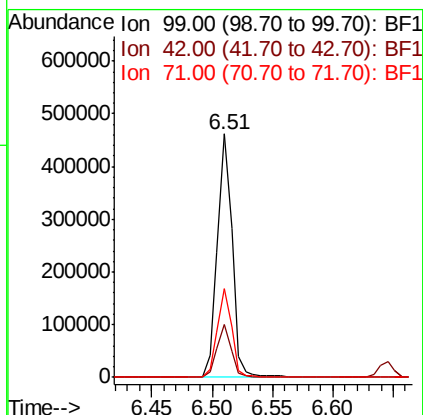
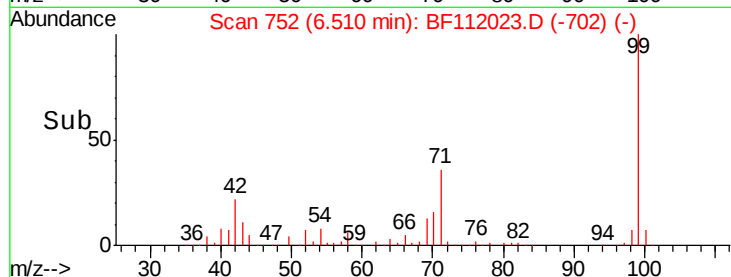
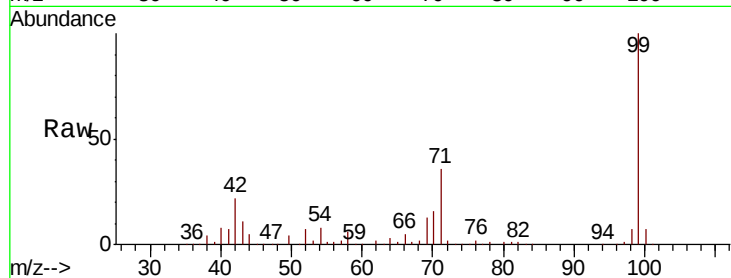
ClientSampleId :

OR-02-011019-A

Tot Ion:	99	Resp:	387857
Ion Ratio	Lower	Upper	
99	100		
42	21.7	17.9	26.9
71	36.2	28.7	43.1

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#21

Naphthalene-d8

Concen: 20.000 ng

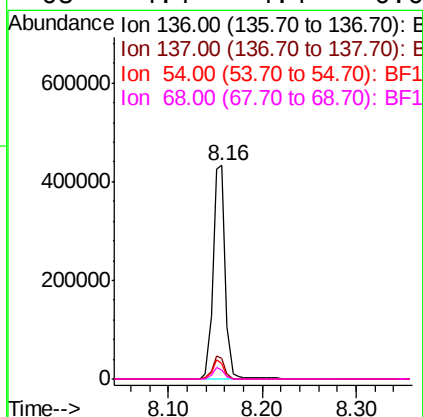
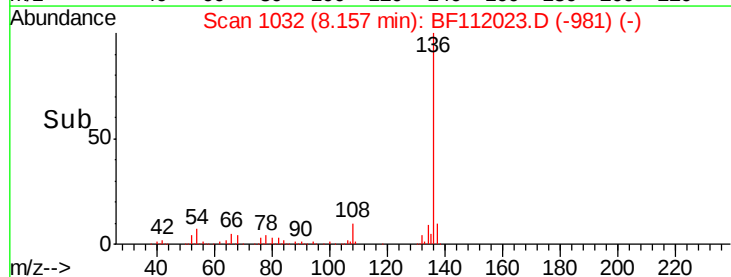
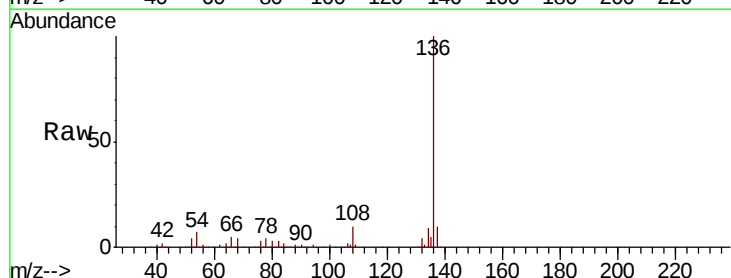
RT: 8.16 min Scan# 1032

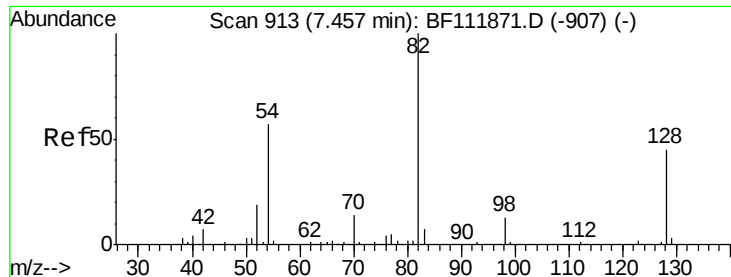
Delta R.T. -0.00 min

Lab File: BF112023.D

Acq: 11 Jan 2019 18:50

Tgt Ion:	136	Resp:	403371
Ion Ratio	Lower	Upper	
136	100		
137	9.8	9.1	13.7
54	7.4	7.2	10.8
68	4.4	4.4	6.6#





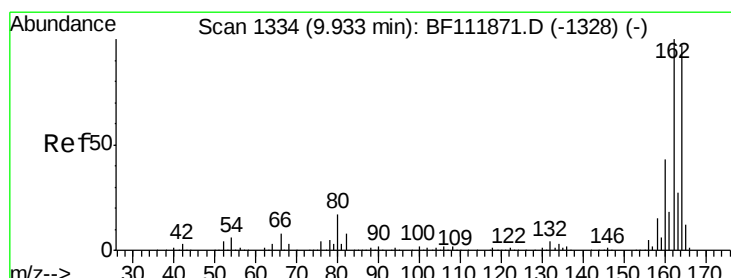
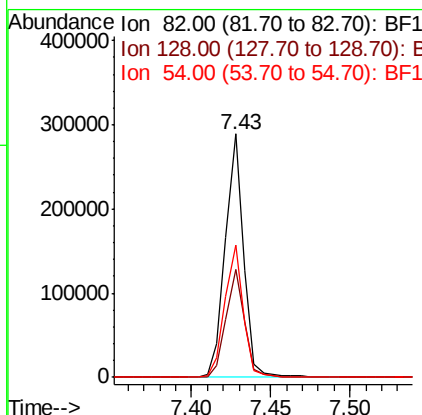
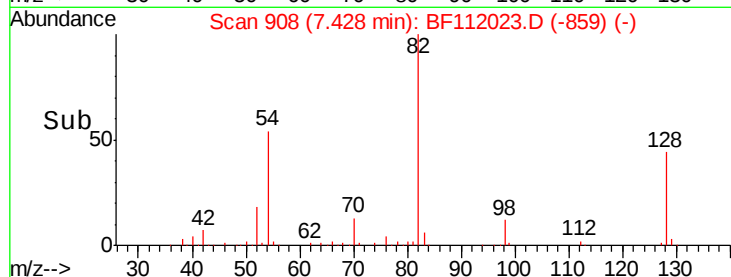
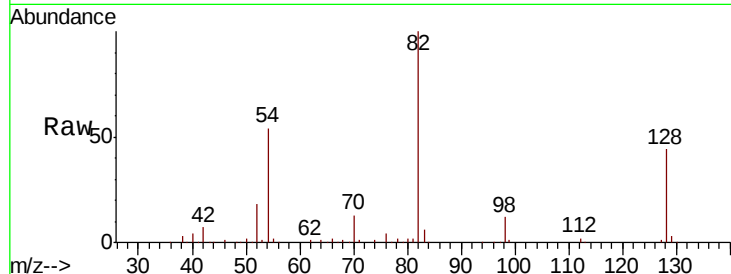
#23
 Nitrobenzene-d5
 Concen: 30.745 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF112023.D
 Acq: 11 Jan 2019 18:50

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-011019-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.1	35.7	53.5
54	54.4	45.8	68.8

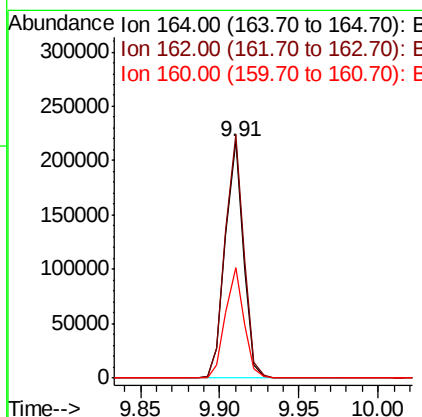
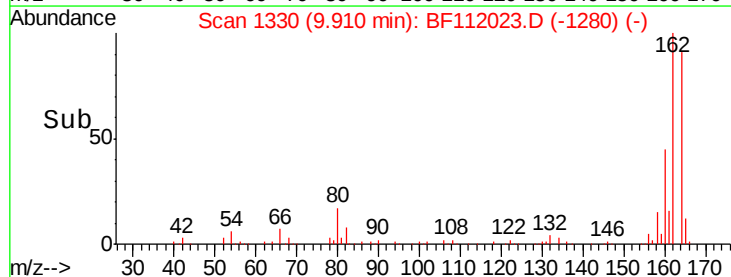
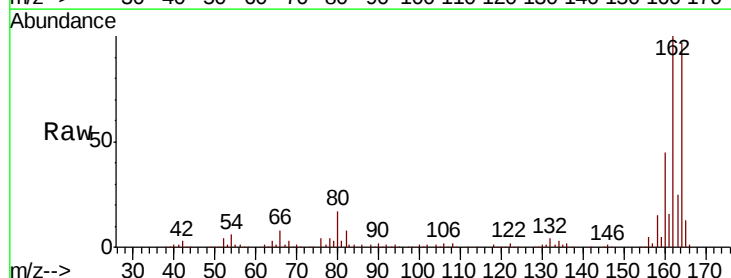
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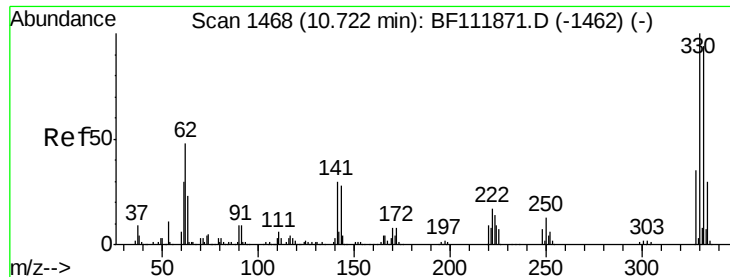
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF112023.D
 Acq: 11 Jan 2019 18:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.2	123.2
160	46.6	35.5	53.3





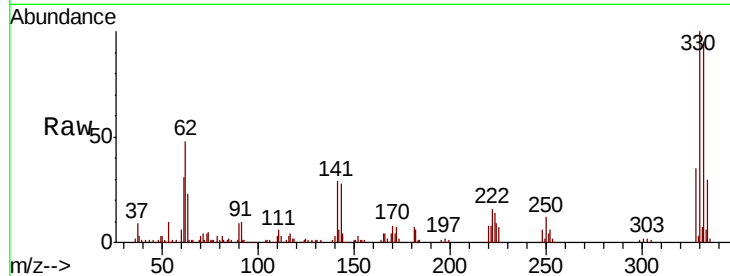
#42
 2,4,6-Tribromophenol
 Concen: 44.428 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF112023.D
 Acq: 11 Jan 2019 18:50

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-011019-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	101096		
332	95.4	76.9	115.3	
141	29.8	23.7	35.5	

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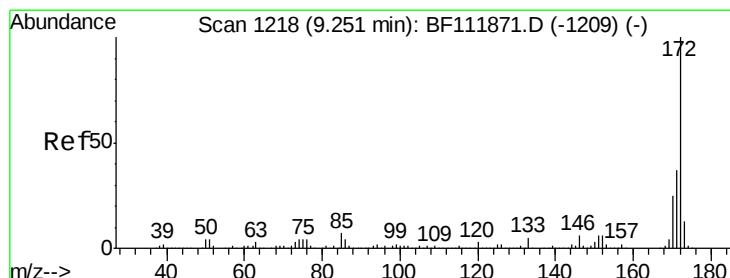
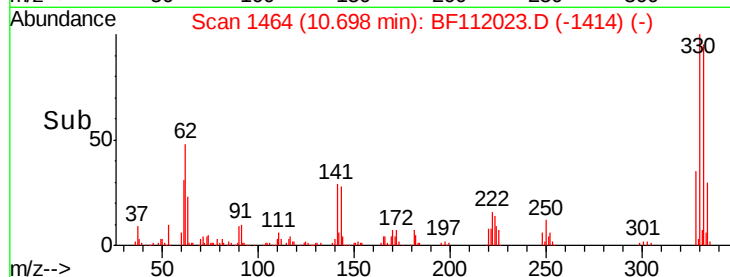
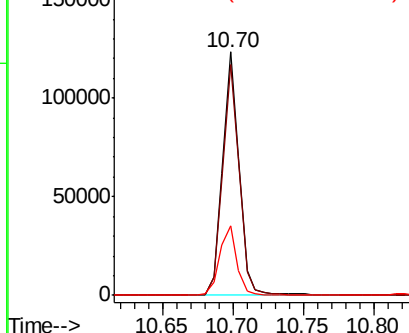


Abundance

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: 35.189 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF112023.D
 Acq: 11 Jan 2019 18:50

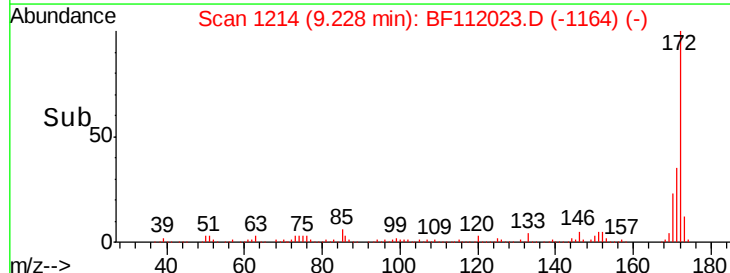
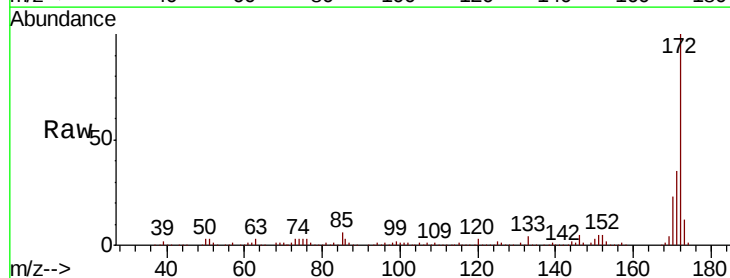
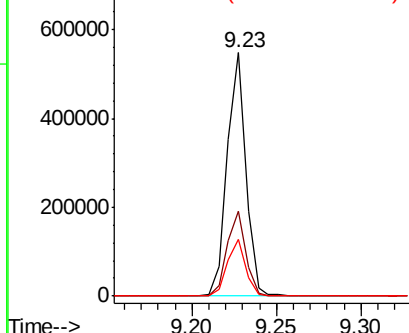
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	422176		
171	34.7	29.6	44.4	
170	23.1	19.8	29.8	

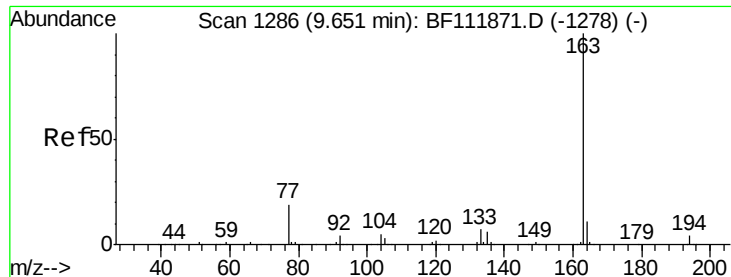
Abundance

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





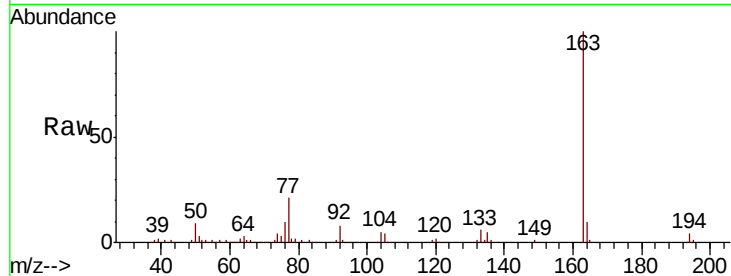
#50
Dimethylphthalate
Concen: 7.995 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF112023.D
Acq: 11 Jan 2019 18:50

Instrument :
BNA_F
ClientSampleId :
OR-02-011019-A

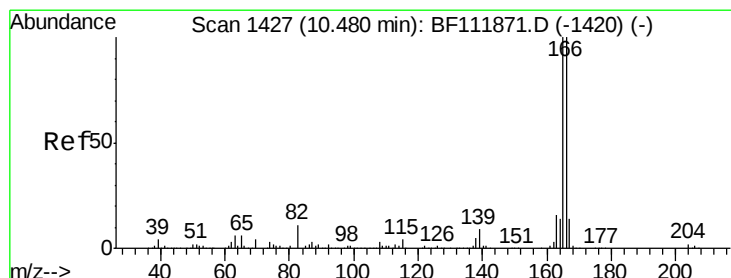
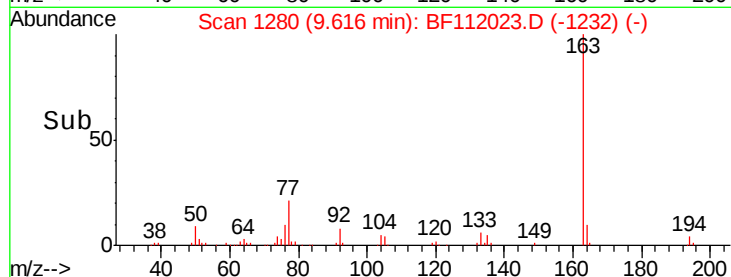
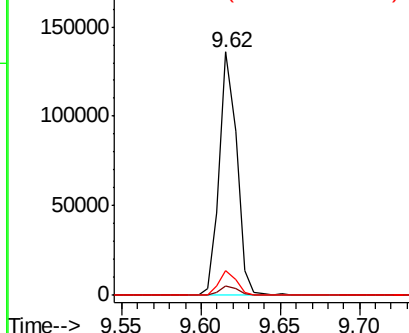
Tot Ion	Ratio	Resp	Lower	Upper
163	100	105072		
194	3.7		3.4	5.2
164	10.0		8.5	12.7

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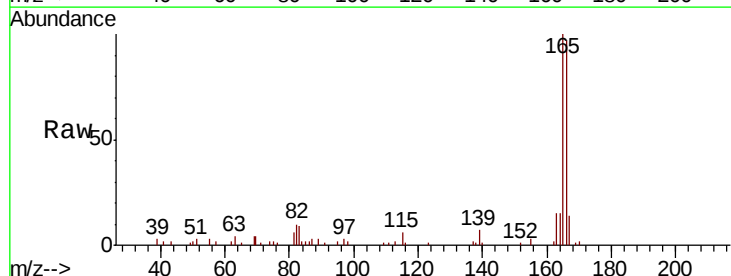


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

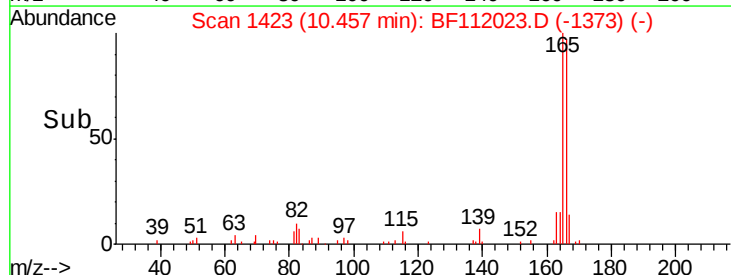
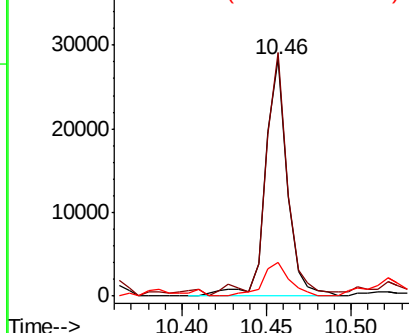


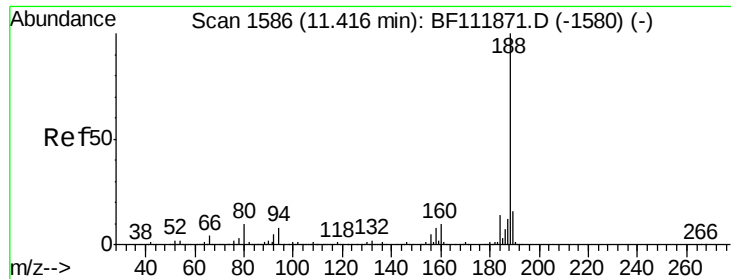
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Fluorene
Concen: 2.197 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BF112023.D
Acq: 11 Jan 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	25452		
165	102.7		79.7	119.5
167	14.3		11.1	16.7



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: 11.40 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BF112023.D

Acq: 11 Jan 2019 18:50

Instrument :

BNA_F

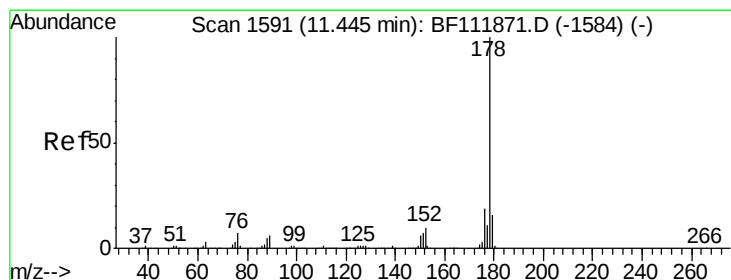
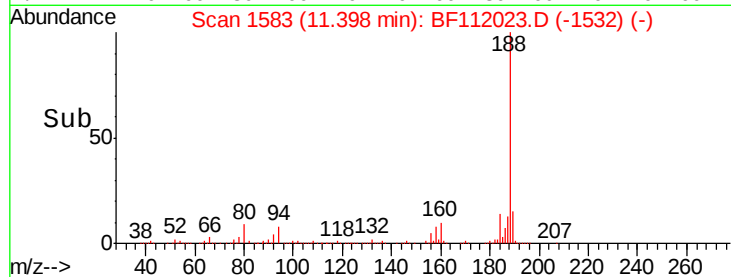
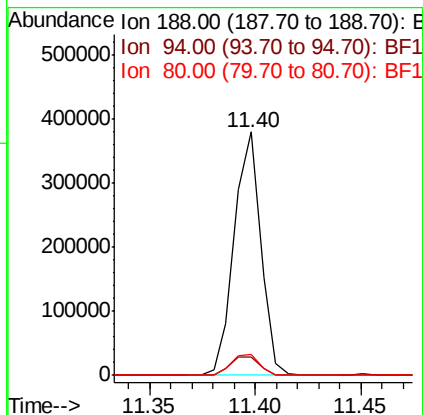
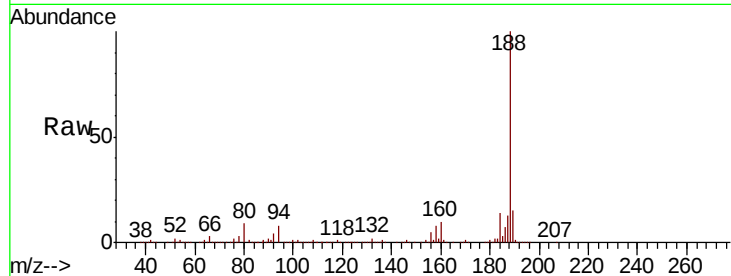
ClientSampleId :

OR-02-011019-A

Tot Ion:	188	Resp:	329827
Ion Ratio	Lower	Upper	
188	100		
94	7.7	6.6	10.0
80	8.7	7.7	11.5

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#71

Phenanthrene

Concen: 19.383 ng

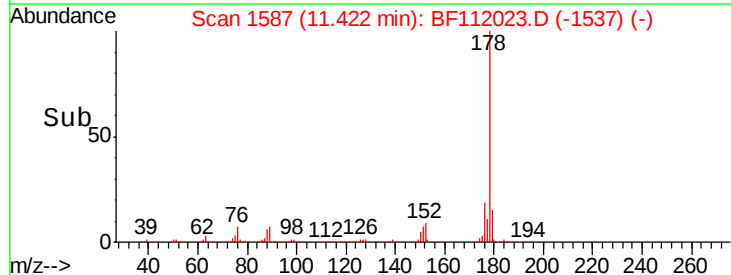
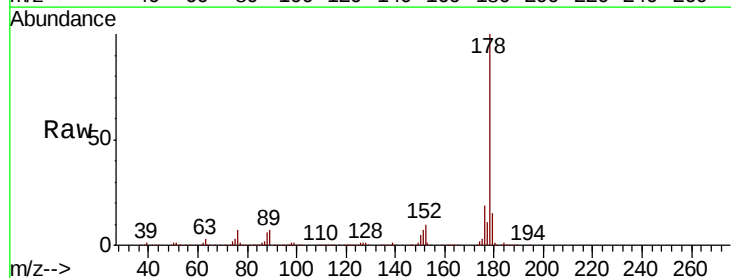
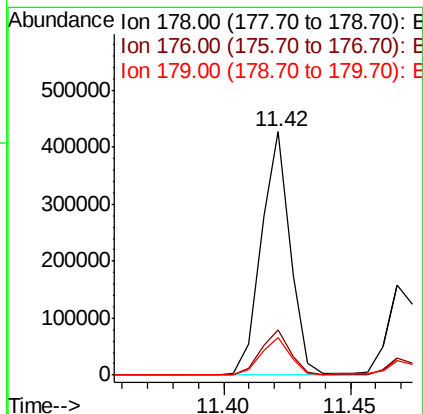
RT: 11.42 min Scan# 1587

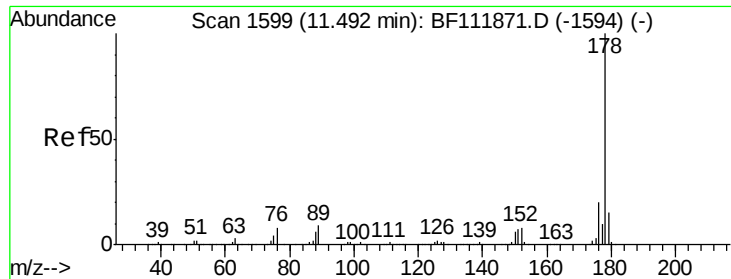
Delta R.T. -0.01 min

Lab File: BF112023.D

Acq: 11 Jan 2019 18:50

Tgt Ion:	178	Resp:	341811
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.6	23.4
179	15.5	12.6	18.8





#72

Anthracene

Concen: 7.116 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF112023.D

Acq: 11 Jan 2019 18:50

Instrument :

BNA_F

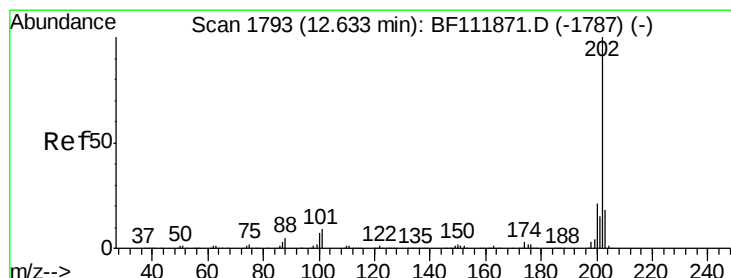
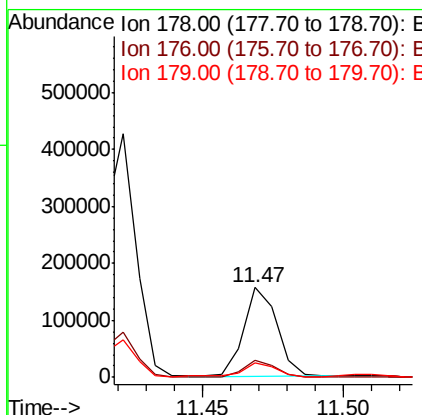
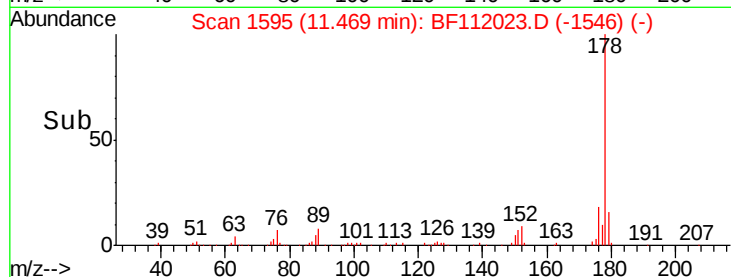
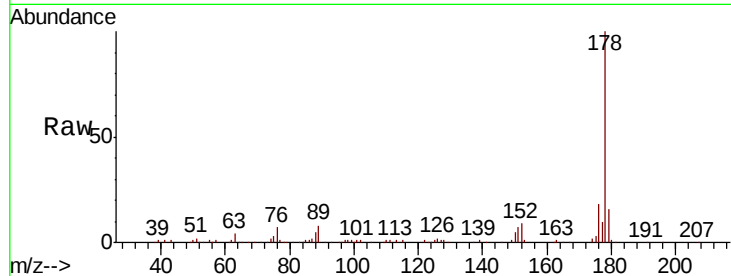
ClientSampleId :

OR-02-011019-A

Tot Ion:	178	Resp:	127389
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.7	23.5
179	16.2	12.4	18.6

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#75

Fluoranthene

Concen: 77.068 ng

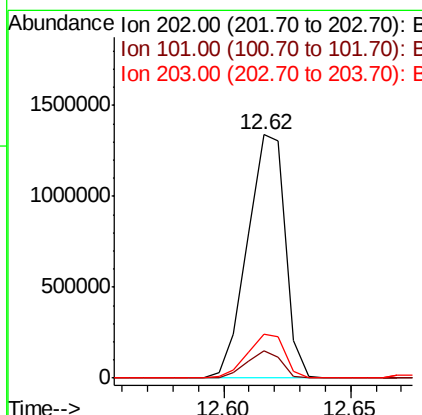
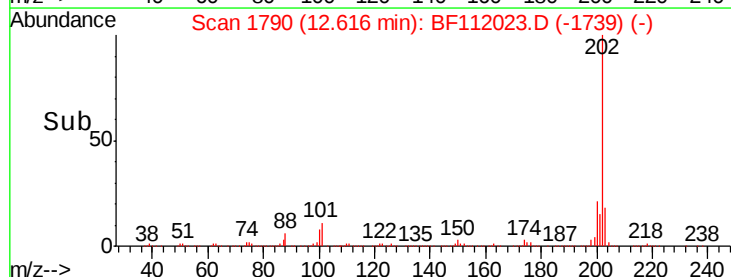
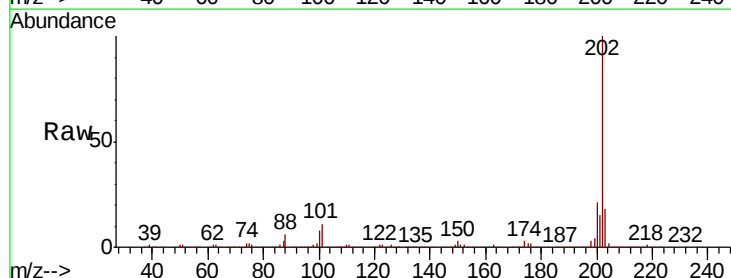
RT: 12.62 min Scan# 1790

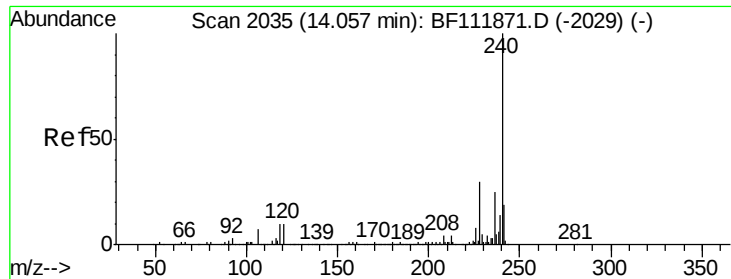
Delta R.T. -0.00 min

Lab File: BF112023.D

Acq: 11 Jan 2019 18:50

Tgt Ion:	202	Resp:	1395163
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	29.3
203	18.0	0.0	37.6





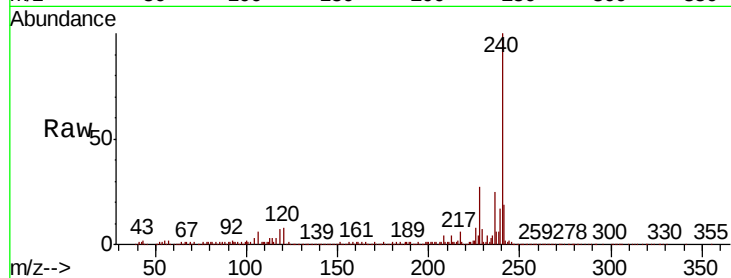
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF112023.D
Acq: 11 Jan 2019 18:50

Instrument :
BNA_F
ClientSampleId :
OR-02-011019-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.4	8.2	12.2
236	25.1	20.2	30.4

Manual Integrations
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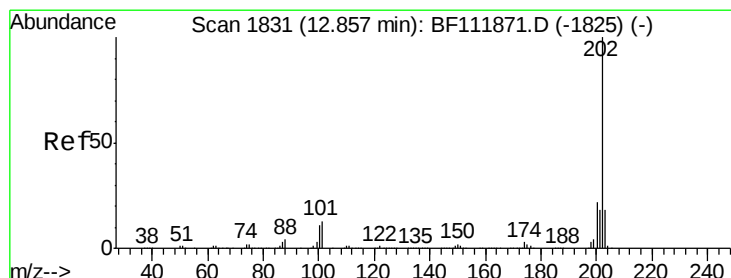
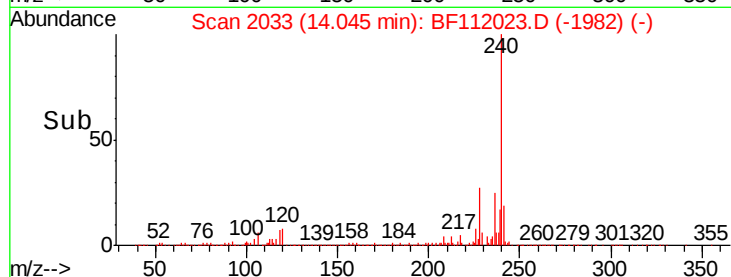
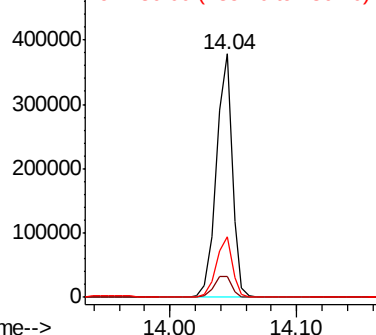


Abundance

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: 54.958 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BF112023.D
Acq: 11 Jan 2019 18:50

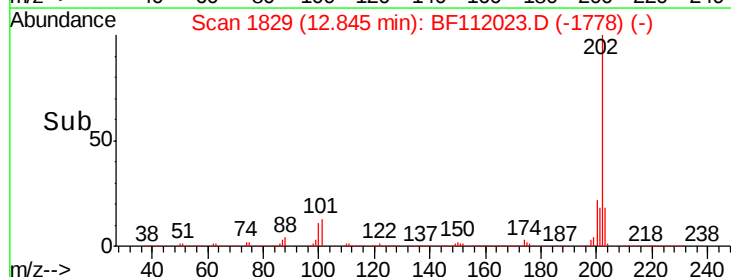
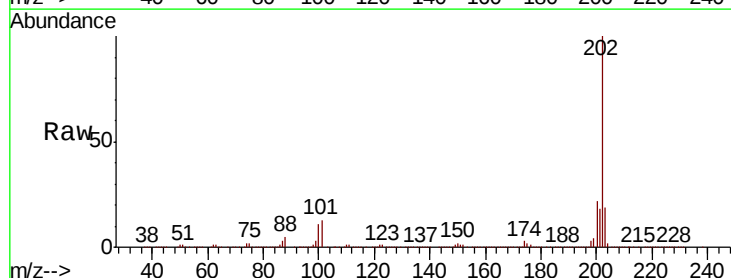
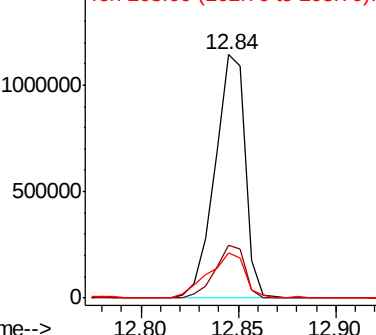
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.6	14.6	21.8

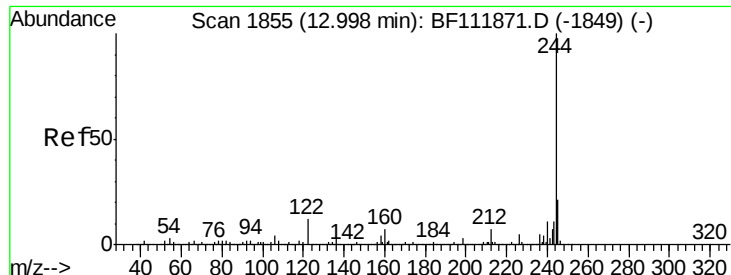
Abundance

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





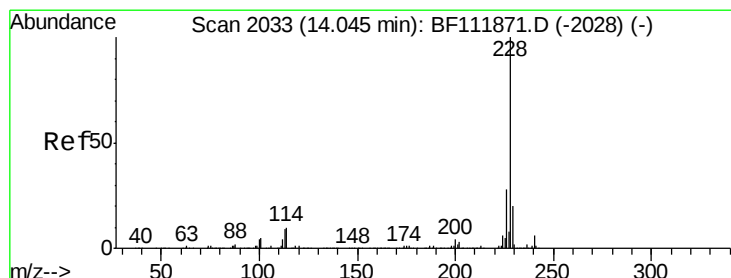
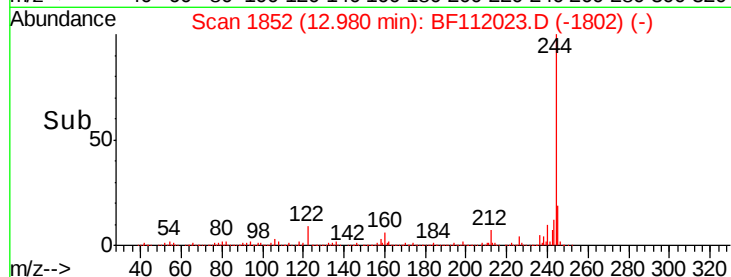
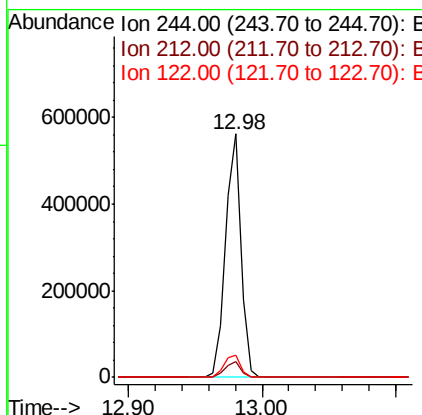
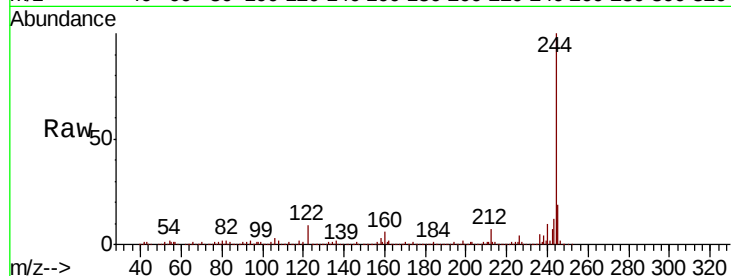
#79
 Terphenyl-d14
 Concen: 27.020 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF112023.D
 Acq: 11 Jan 2019 18:50

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-011019-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.8
122	8.9	9.5	14.3

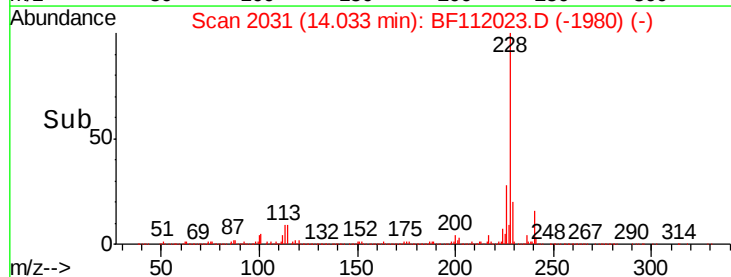
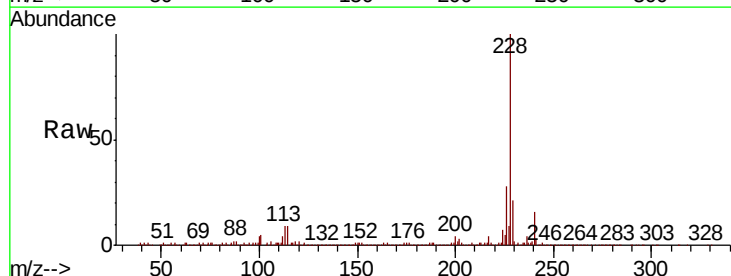
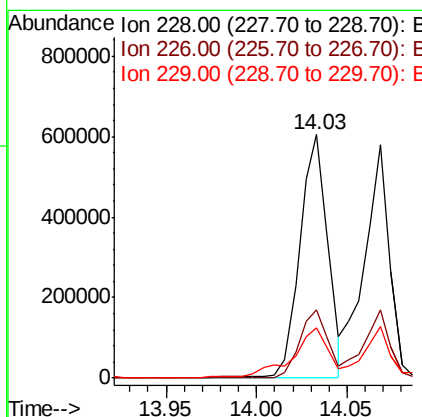
Manual Integrations
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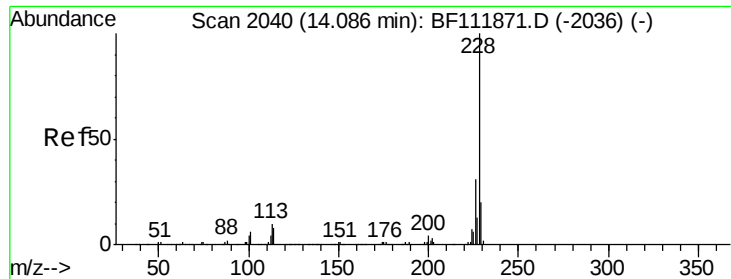
Sohil
 1/14/2019 4:10:24 PM



#81
 Benzo(a)anthracene
 Concen: 34.984 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.00 min
 Lab File: BF112023.D
 Acq: 11 Jan 2019 18:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.2	33.2
229	20.6	16.2	24.2





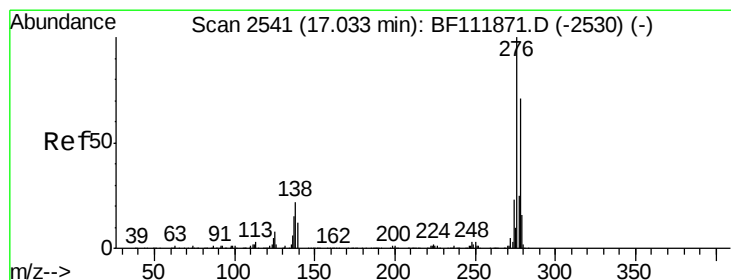
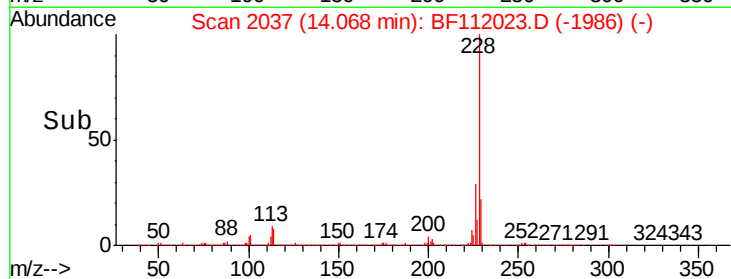
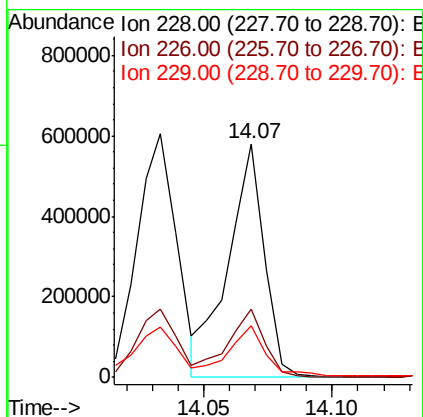
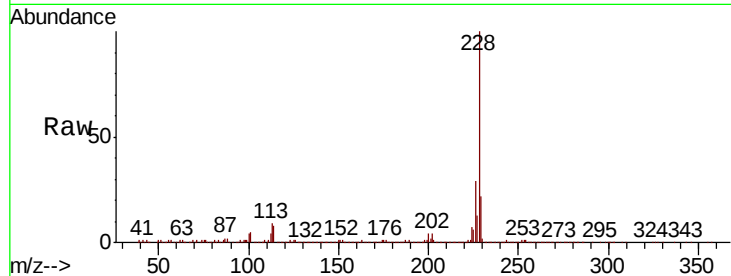
#83
Chrysene
Concen: 31.919 ng/ml
RT: 14.07 min Scan# 2037
Delta R.T. -0.00 min
Lab File: BF112023.D
Acq: 11 Jan 2019 18:50

Instrument :
BNA_F
ClientSampleId :
OR-02-011019-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.6	37.0
229	21.9	15.7	23.5

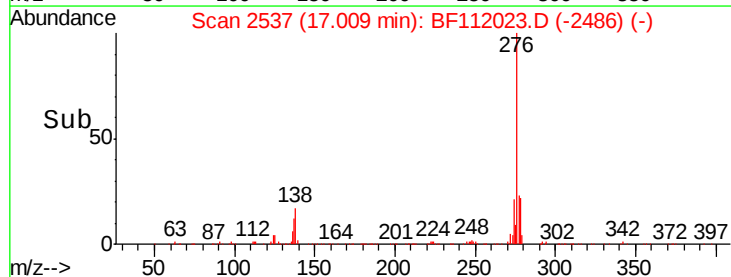
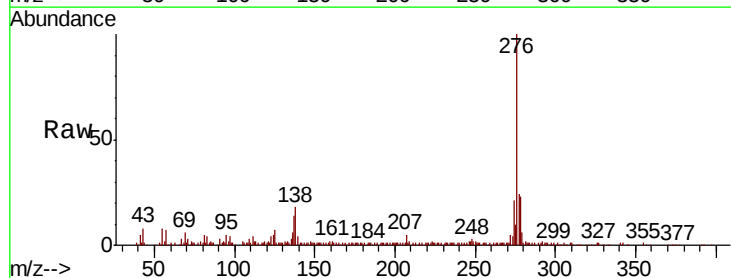
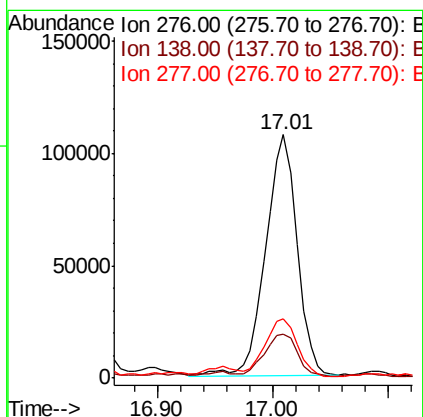
Manual Integrations
APPROVED

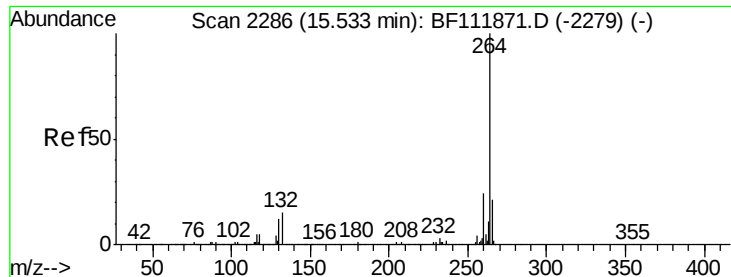
Sohil
1/14/2019 4:10:24 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 15.705 ng
RT: 17.01 min Scan# 2537
Delta R.T. -0.00 min
Lab File: BF112023.D
Acq: 11 Jan 2019 18:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.7	18.1	27.1
277	24.1	19.9	29.9





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.01 min

Lab File: BF112023.D

Acq: 11 Jan 2019 18:50

Instrument :

BNA_F

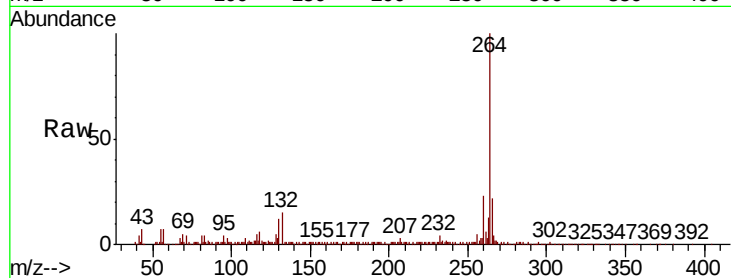
ClientSampleId :

OR-02-011019-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.2	17.1	25.7

Manual Integrations
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1/14/2019 4:10:24 PM

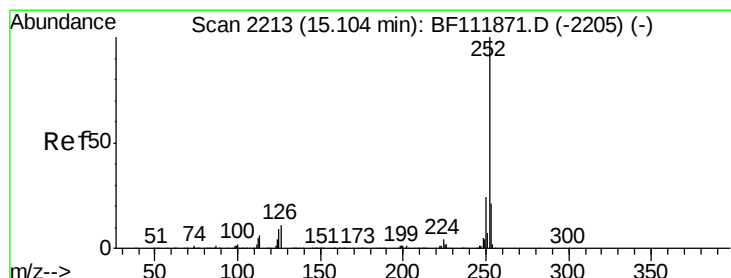
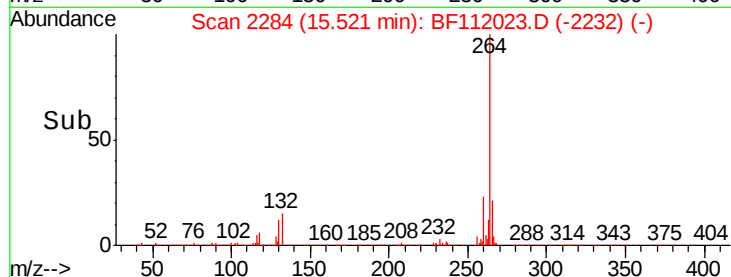
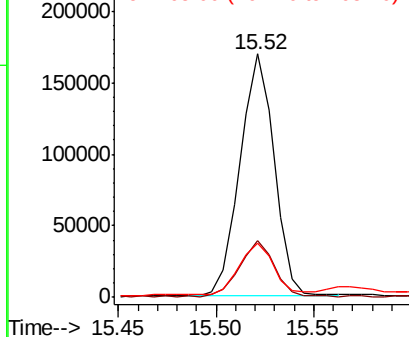


Abundance

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: 50.546 ng m

RT: 15.09 min Scan# 2211

Delta R.T. 0.01 min

Lab File: BF112023.D

Acq: 11 Jan 2019 18:50

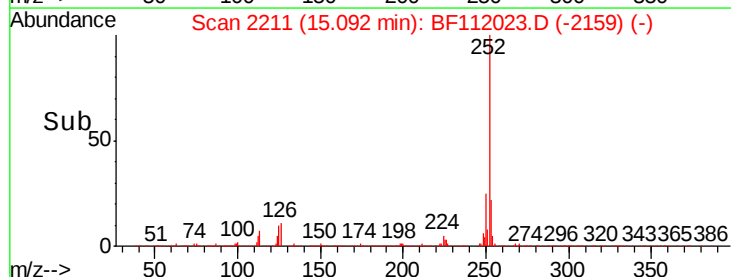
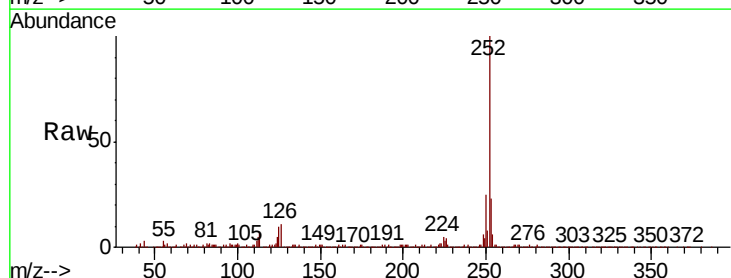
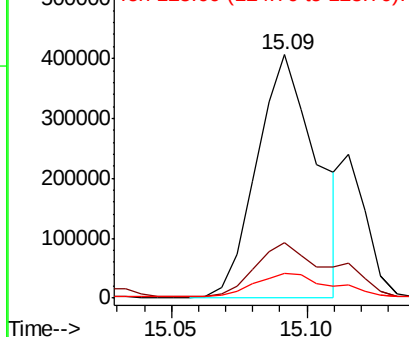
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	10.2	7.1	10.7

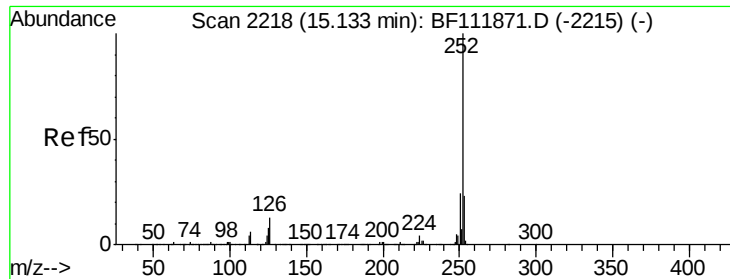
Abundance

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





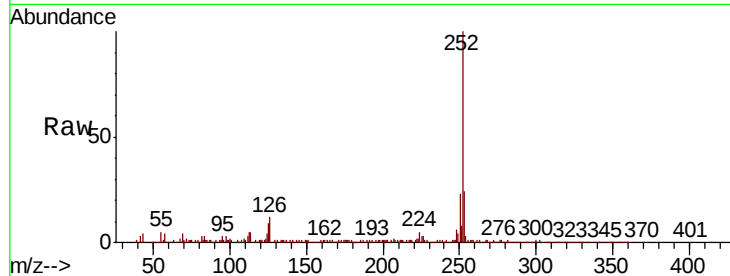
#89
Benzo(k)fluoranthene
Concen: 13.223 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BF112023.D
Acq: 11 Jan 2019 18:50

Instrument :
BNA_F
ClientSampleId :
OR-02-011019-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	9.4	7.0	10.4

Manual Integrations
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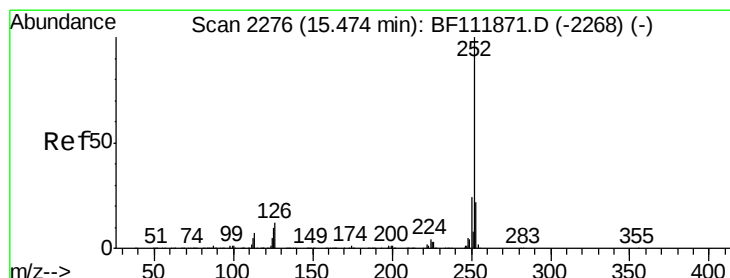
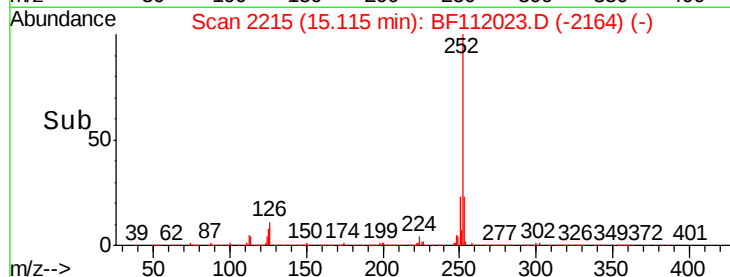
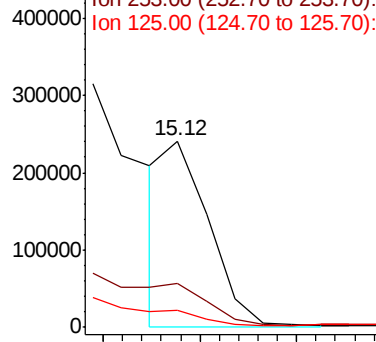


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 34.456 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF112023.D
Acq: 11 Jan 2019 18:50

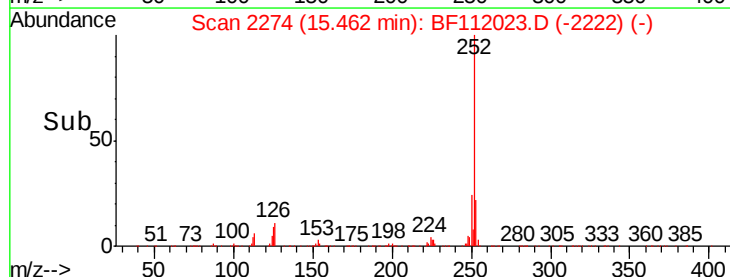
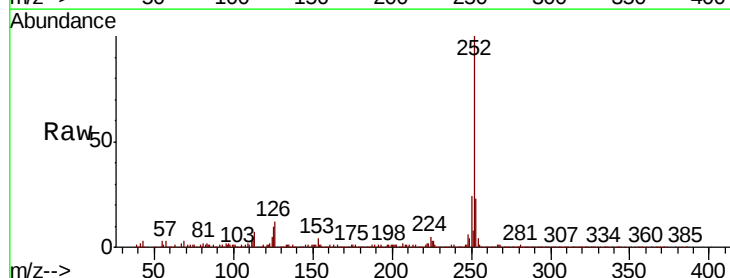
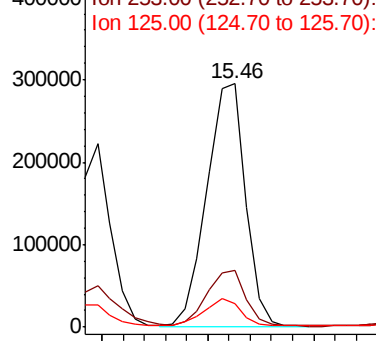
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	9.6	7.9	11.9

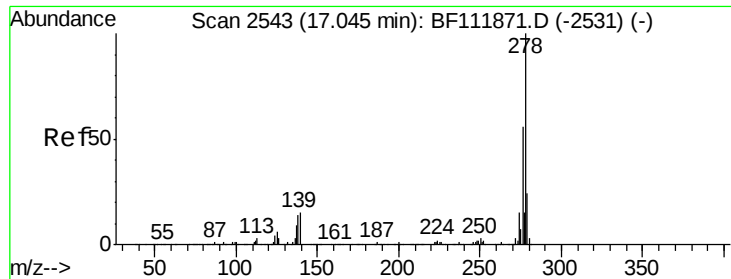
Abundance

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





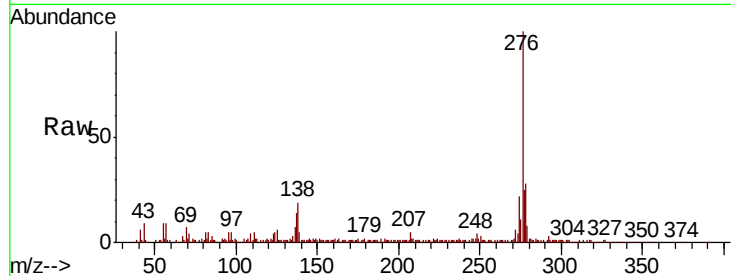
#91
Dibenzo(a,h)anthracene
Concen: 5.602 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BF112023.D
Acq: 11 Jan 2019 18:50

Instrument :
BNA_F
ClientSampleId :
OR-02-011019-A

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.9	11.8	17.6#
279	26.9	19.4	29.2

Manual Integrations
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Sohil
1/14/2019 4:10:24 PM

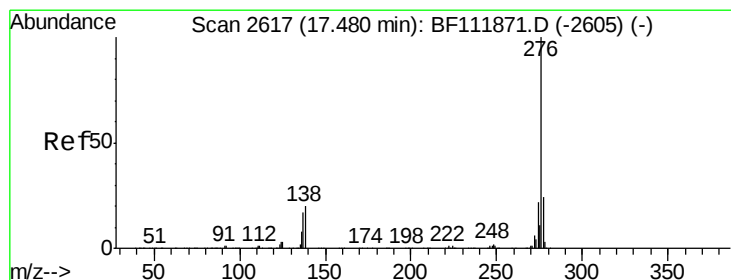
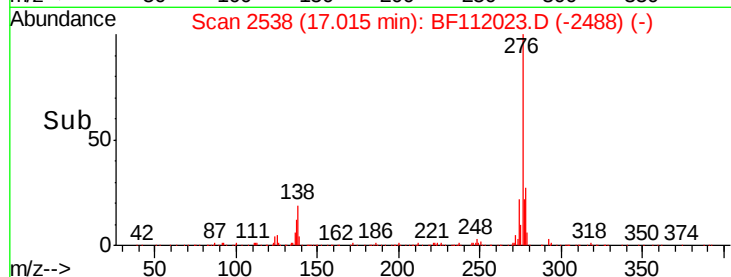
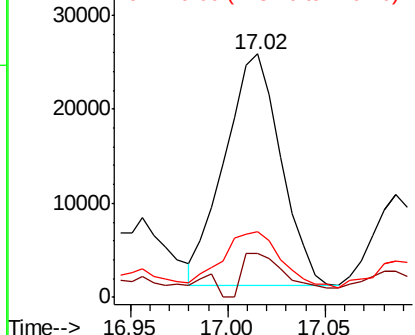


Abundance

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: 25.994 ng
RT: 17.46 min Scan# 2613
Delta R.T. -0.01 min
Lab File: BF112023.D
Acq: 11 Jan 2019 18:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.0	28.6
138	20.4	16.2	24.2

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

