

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
 Data File : BF112587.D
 Acq On : 15 Feb 2019 19:09
 Operator : JU/SJ
 Sample : K1346-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-021419-A

Manual Integrations
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 2/18/2019 12:06:36 PM

Quant Time: Feb 16 00:03:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	98714	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	408561	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	214482	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	425485	20.00	ng	0.00
76) Chrysene-d12	14.01	240	267558	20.00	ng	0.00
87) Perylene-d12	15.49	264	239156	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	576059	123.95	ng	-0.02
7) Phenol-d6	6.48	99	745359	115.42	ng	-0.01
23) Nitrobenzene-d5	7.40	82	488402	68.88	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	285349	114.30	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	993902	65.54	ng	-0.02
79) Terphenyl-d14	12.94	244	1006236	70.83	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.58	163	60462	3.628	ng	99
71) Phenanthrene	11.39	178	164952	7.457	ng	96
72) Anthracene	11.44	178	46375	2.105	ng	97
75) Fluoranthene	12.58	202	287405	12.114	ng	96
78) Pyrene	12.81	202	228307	12.325	ng	97
81) Benzo(a)anthracene	14.00	228	108542	6.901	ng	99
83) Chrysene	14.03	228	96262	6.412	ng	98
86) Indeno(1,2,3-cd)pyrene	16.99	276	46051	3.871	ng	# 89
88) Benzo(b)fluoranthene	15.06	252	136516m	9.545	ng	
89) Benzo(k)fluoranthene	15.09	252	34702m	2.533	ng	
90) Benzo(a)pyrene	15.43	252	87650	6.811	ng	95
92) Benzo(a,h,i)perylene	17.46	276	40569	4.146	ng	99

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

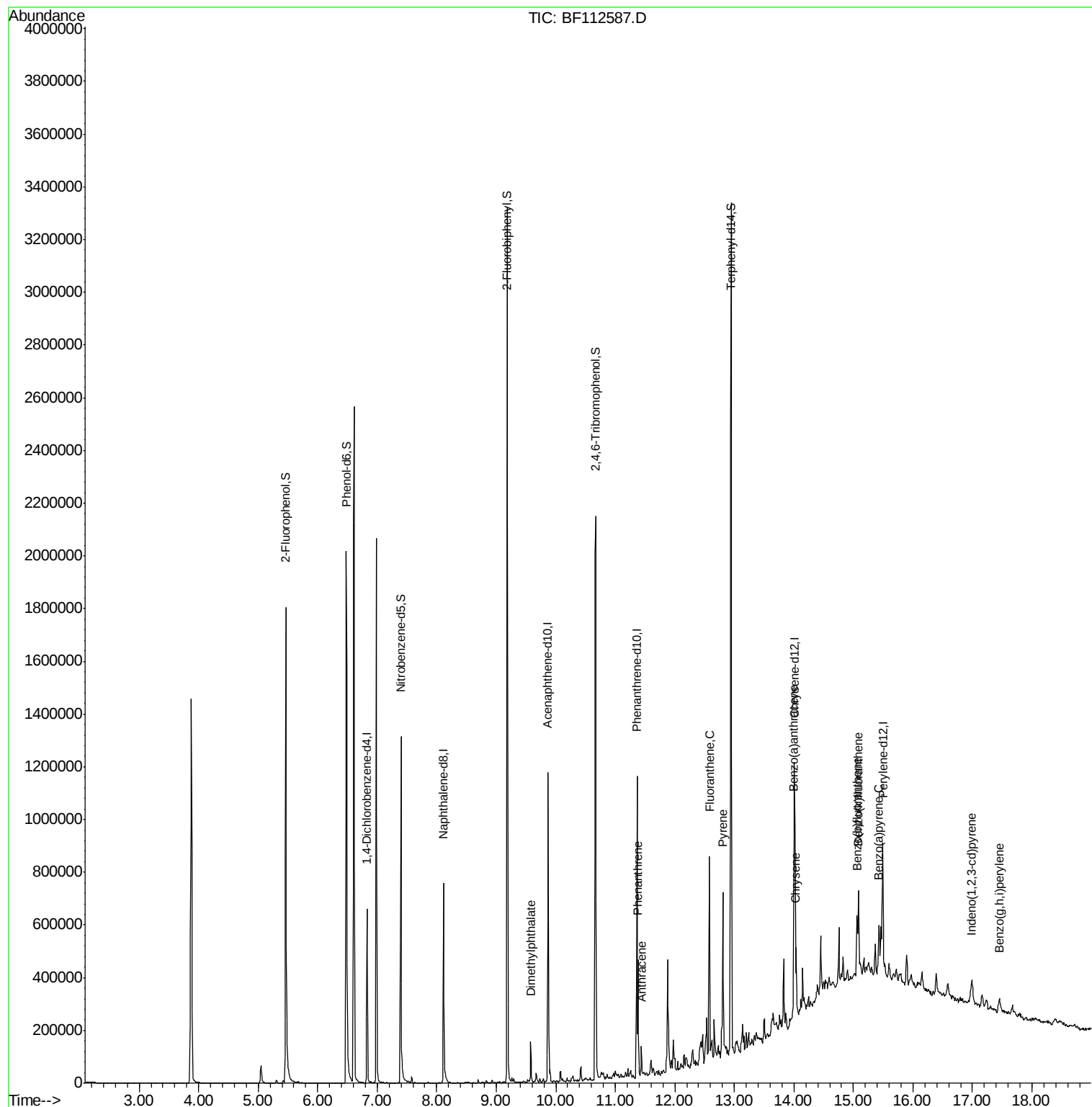
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
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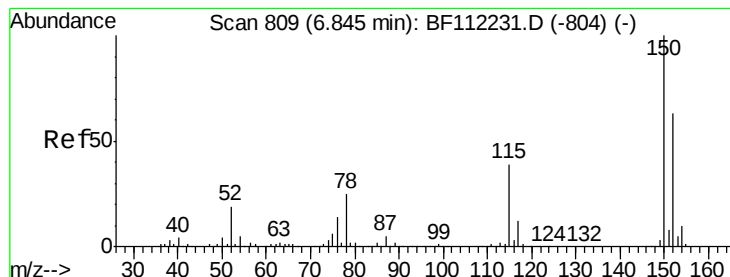
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.83 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF112587.D

Acq: 15 Feb 2019 19:09

Instrument :

BNA_F

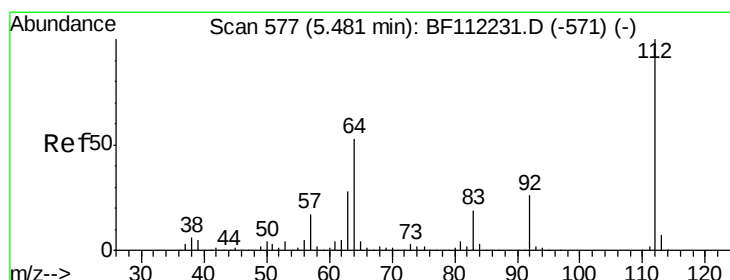
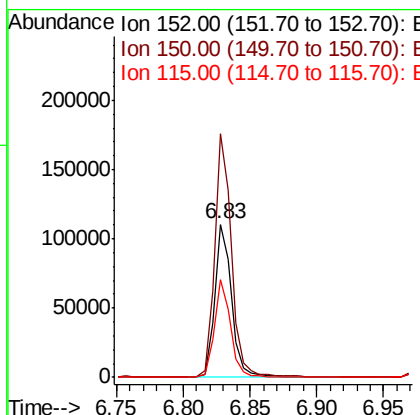
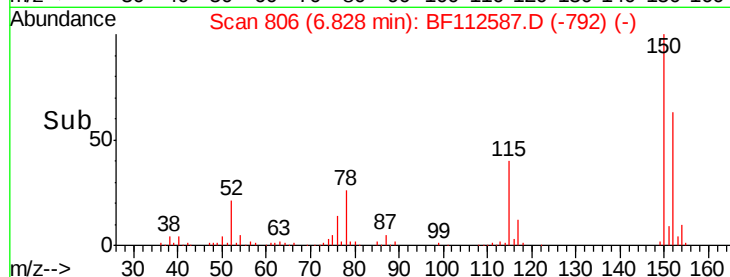
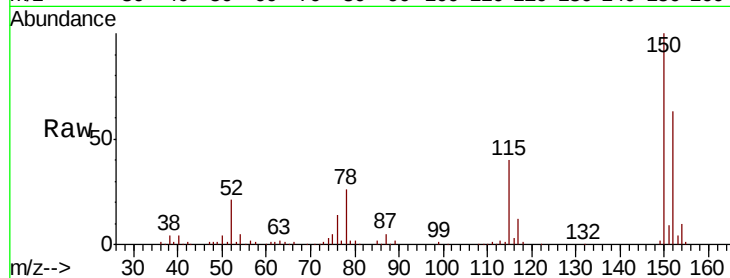
ClientSampleId :

CL-01-021419-A

Tot Ion:	152	Resp:	98714
Ion Ratio	Lower	Upper	
152	100		
150	158.9	127.4	191.0
115	63.6	45.5	68.3

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#5

2-Fluorophenol

Concen: 123.953 ng

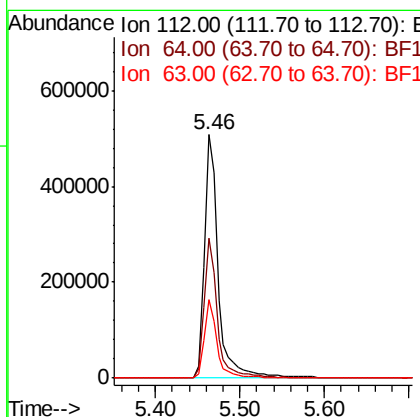
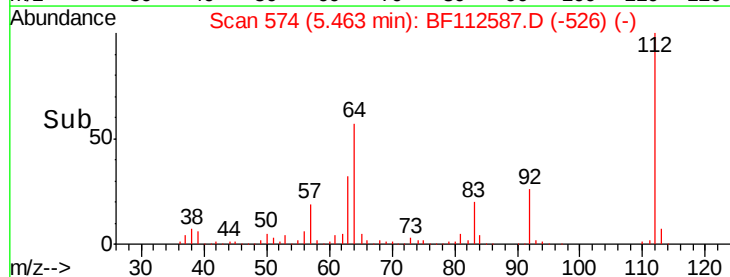
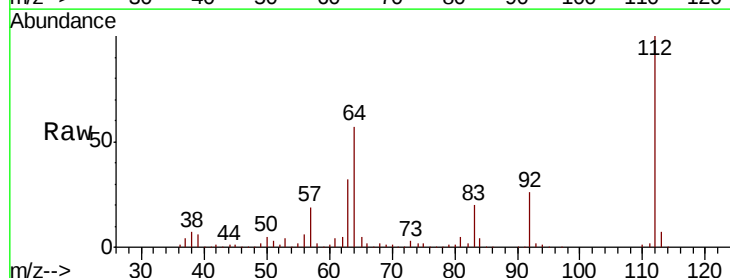
RT: 5.46 min Scan# 574

Delta R.T. -0.02 min

Lab File: BF112587.D

Acq: 15 Feb 2019 19:09

Tgt Ion:	112	Resp:	576059
Ion Ratio	Lower	Upper	
112	100		
64	57.5	45.7	68.5
63	32.1	23.6	35.4





#7

Phenol-d6

Concen: 115.420 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112587.D

Acq: 15 Feb 2019 19:09

Instrument :

BNA_F

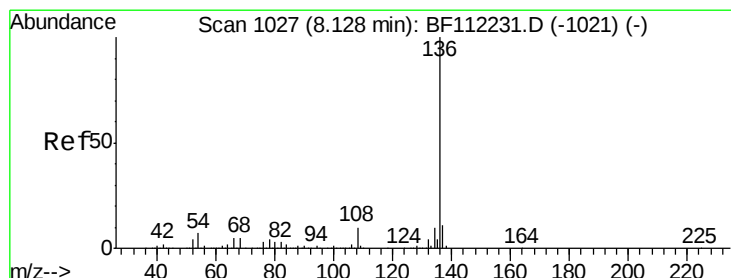
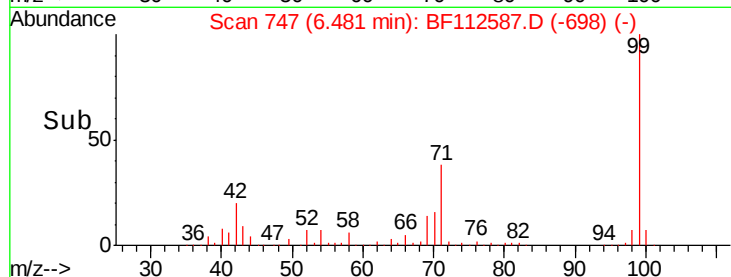
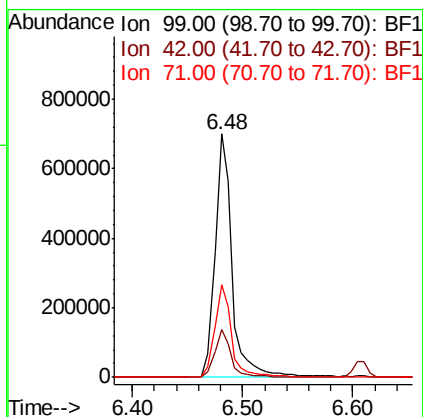
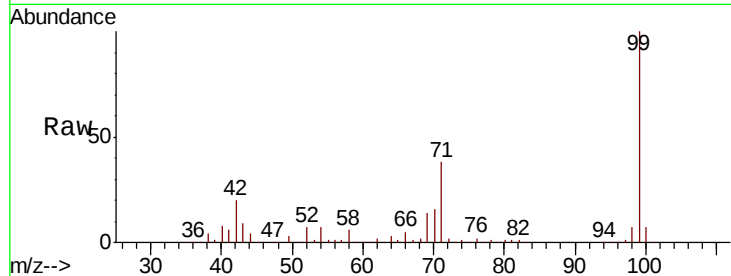
ClientSampleId :

CL-01-021419-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		745359		
42	19.7	15.1	22.7		
71	38.1	26.9	40.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

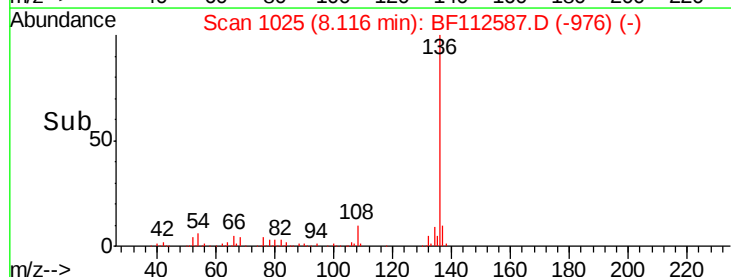
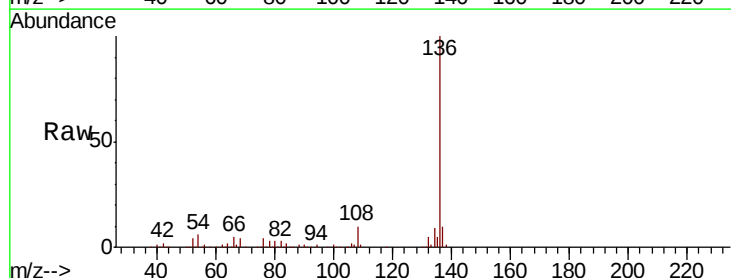
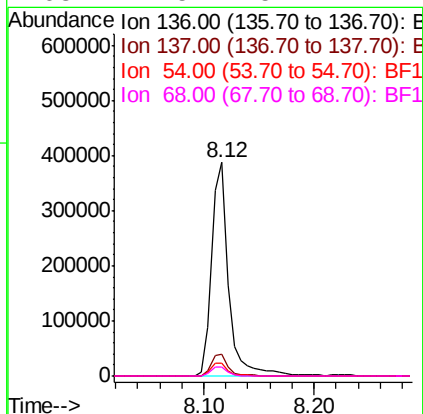
RT: 8.12 min Scan# 1025

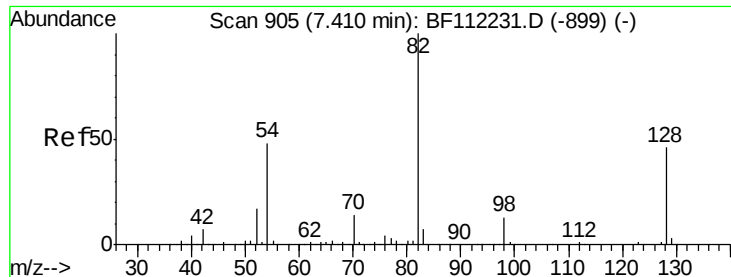
Delta R.T. -0.01 min

Lab File: BF112587.D

Acq: 15 Feb 2019 19:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		408561		
137	10.4	9.1	13.7		
54	5.9	5.9	8.9		
68	4.5	5.1	7.7#		





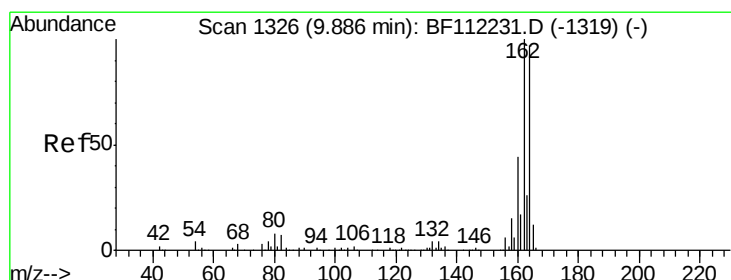
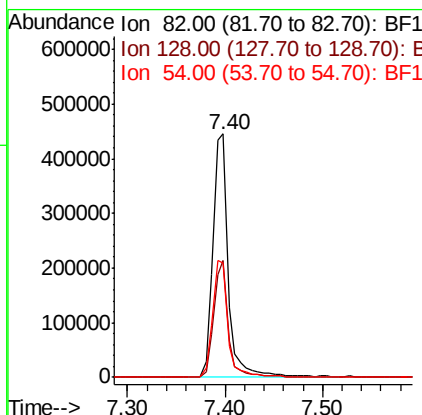
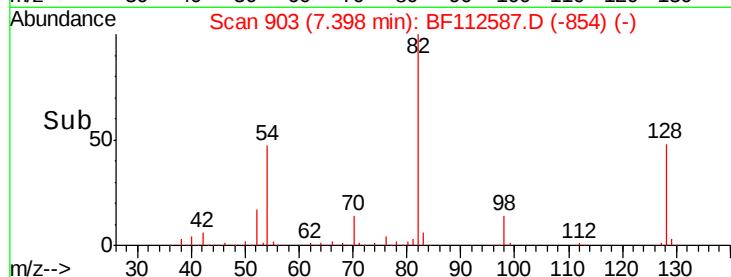
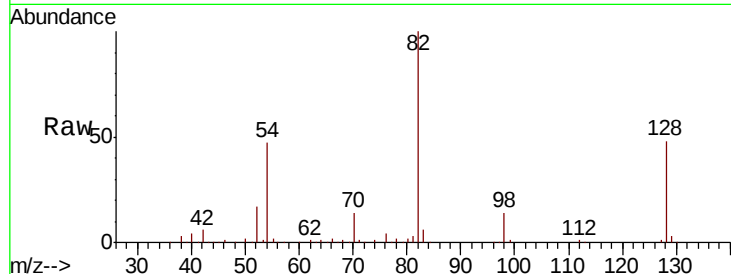
#23
 Nitrobenzene-d5
 Concen: 68.880 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF112587.D
 Acq: 15 Feb 2019 19:09

Instrument :
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Tot Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.8	56.8
54	46.9	39.7	59.5

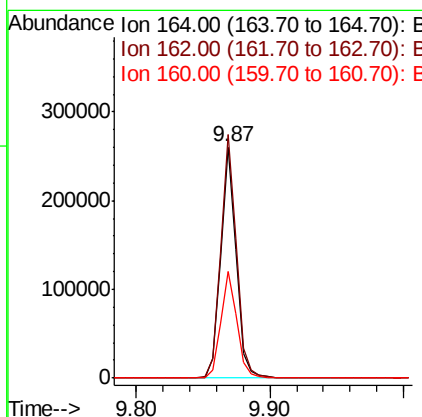
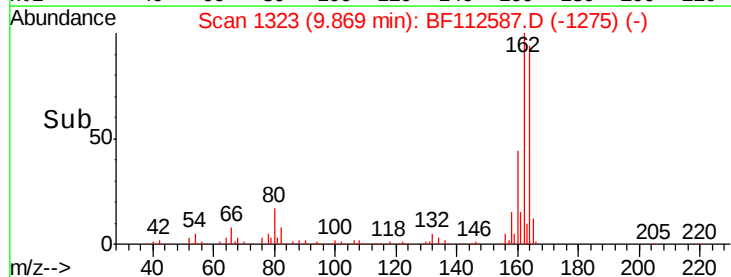
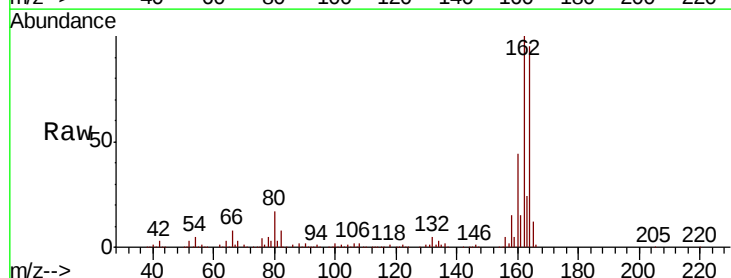
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF112587.D
 Acq: 15 Feb 2019 19:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	82.2	123.4
160	46.2	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 114.299 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112587.D

Acq: 15 Feb 2019 19:09

Instrument :

BNA_F

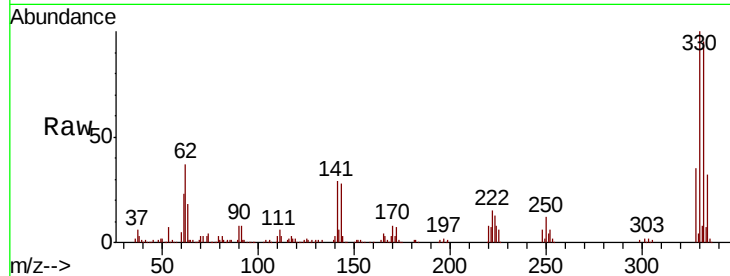
ClientSampleId :

CL-01-021419-A

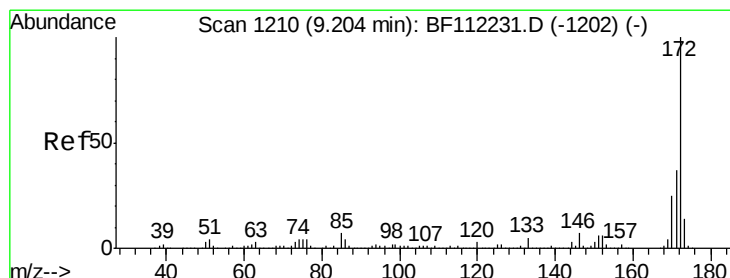
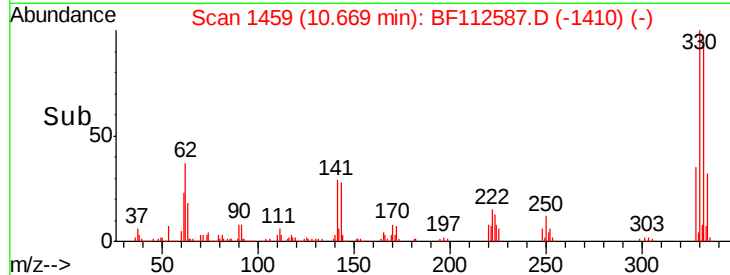
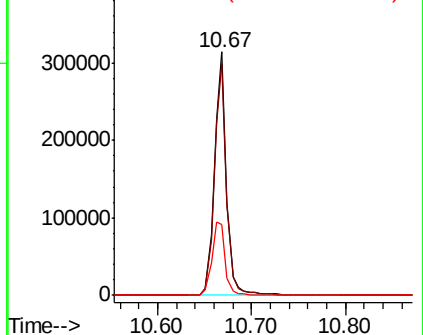
Tot Ion:	330	Resp:	285349
Ion Ratio	Lower	Upper	
330	100		
332	95.9	76.6	114.8
141	34.1	24.3	36.5

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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: 65.540 ng

RT: 9.19 min Scan# 1207

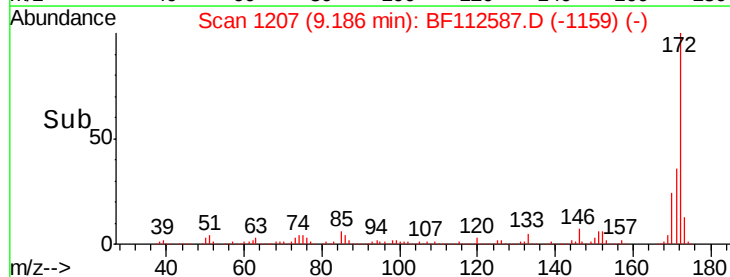
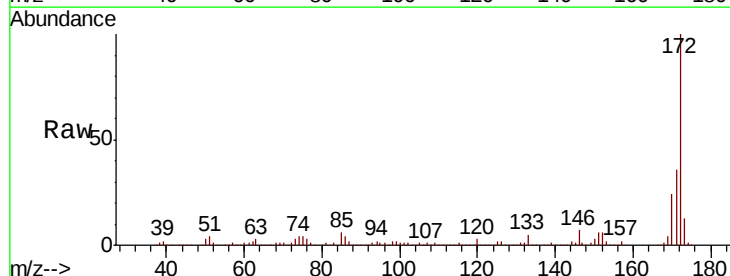
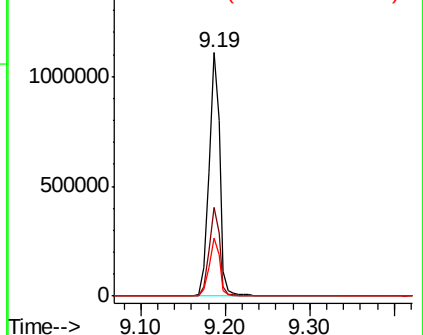
Delta R.T. -0.02 min

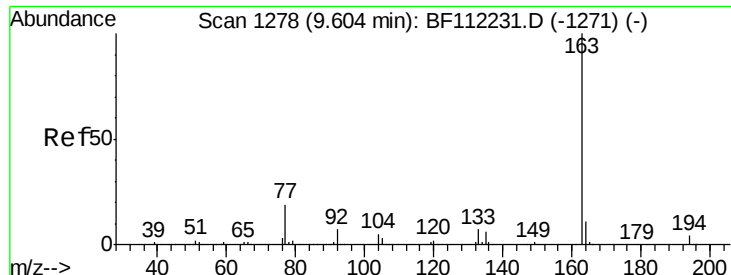
Lab File: BF112587.D

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Tgt Ion:	172	Resp:	993902
Ion Ratio	Lower	Upper	
172	100		
171	36.3	30.5	45.7
170	23.6	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





#50

Dimethylphthalate

Concen: 3.628 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.02 min

Lab File: BF112587.D

Acq: 15 Feb 2019 19:09

Instrument :

BNA_F

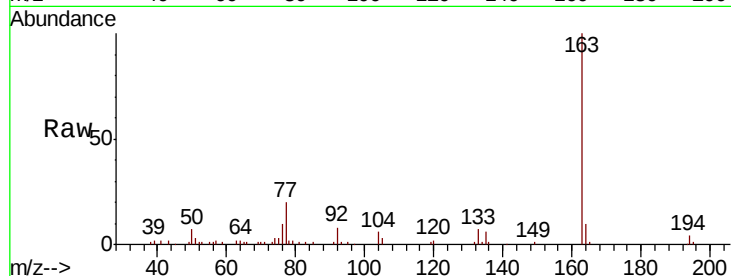
ClientSampleId :

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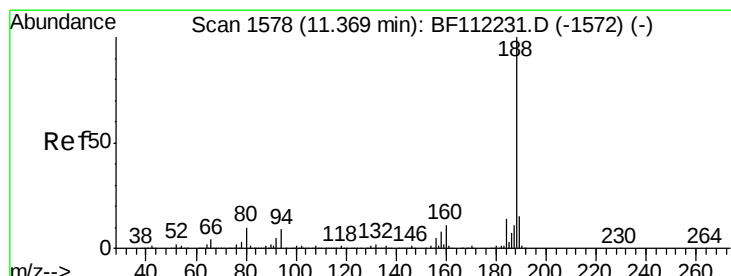
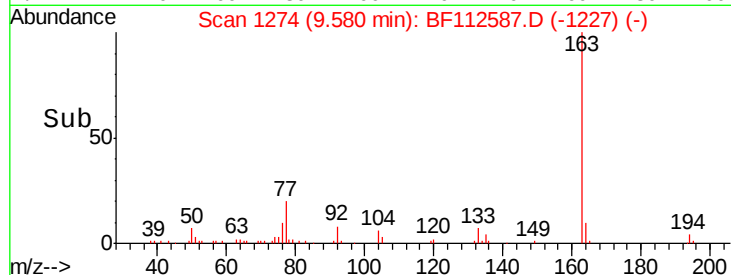
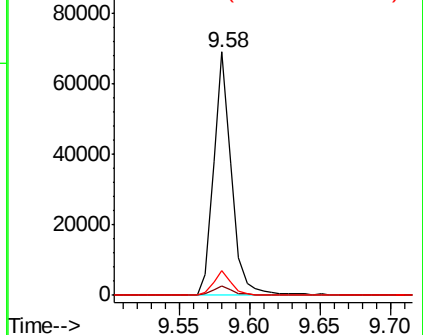
Tot Ion:	163	Resp:	60462
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.3	4.9
164	10.4	8.5	12.7

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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



#64

Phenanthrene-d10

Concen: 20.000 ng

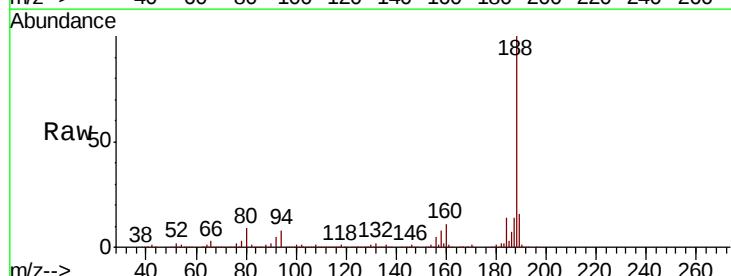
RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

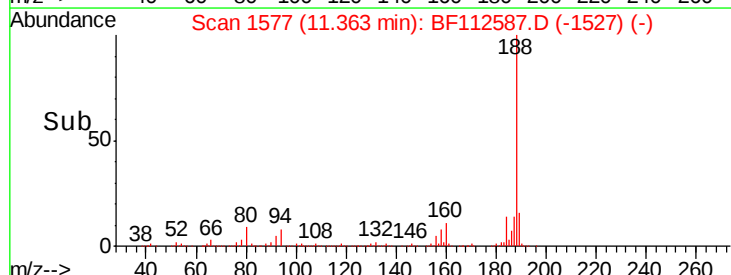
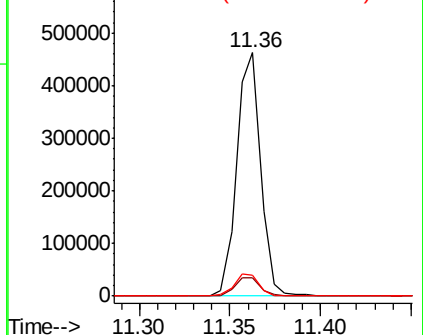
Lab File: BF112587.D

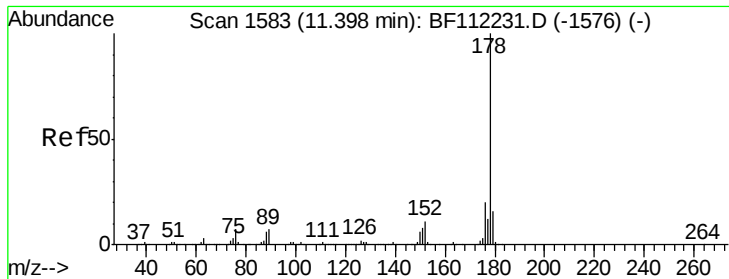
Acq: 15 Feb 2019 19:09

Tgt Ion:	188	Resp:	425485
Ion Ratio	Lower	Upper	
188	100		
94	7.7	8.2	12.2#
80	8.8	8.9	13.3#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





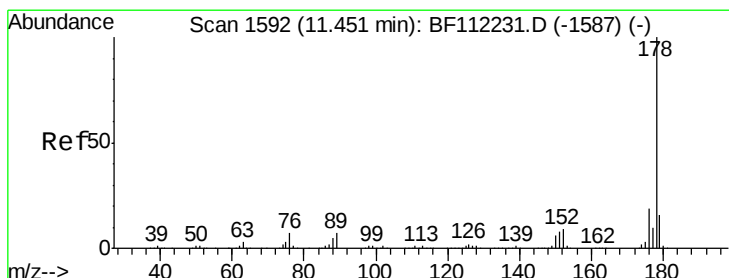
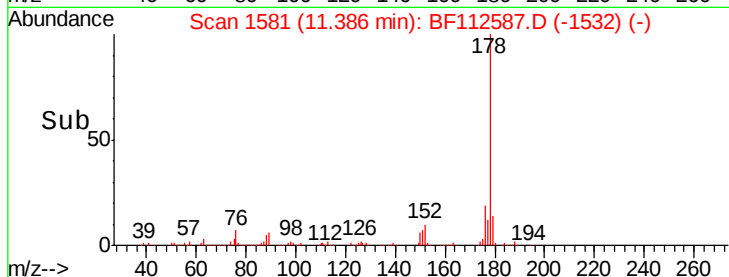
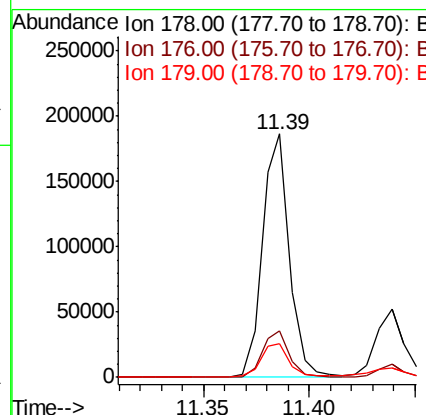
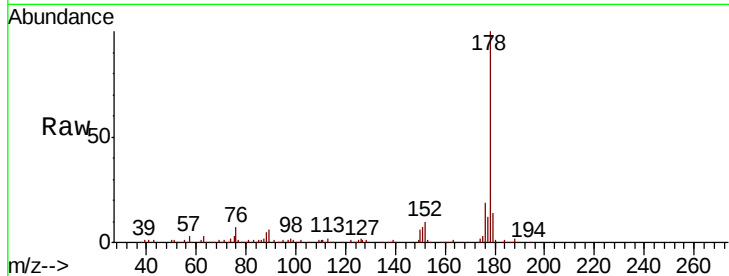
#71
Phenanthrene
Concen: 7.457 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112587.D
Acq: 15 Feb 2019 19:09

Instrument :
BNA_F
ClientSampleId :
CL-01-021419-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.3	24.5
179	14.1	13.0	19.4

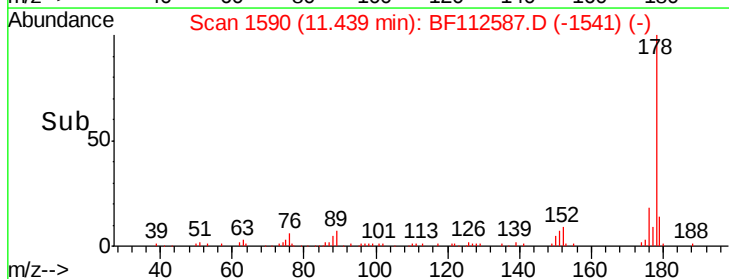
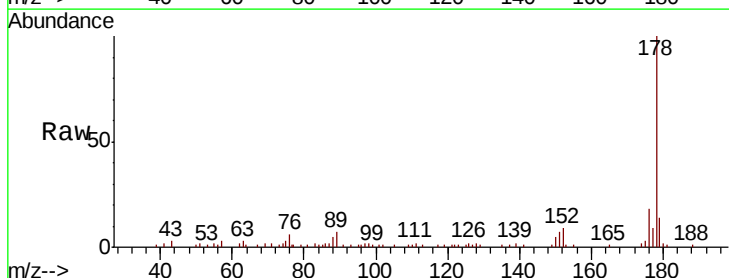
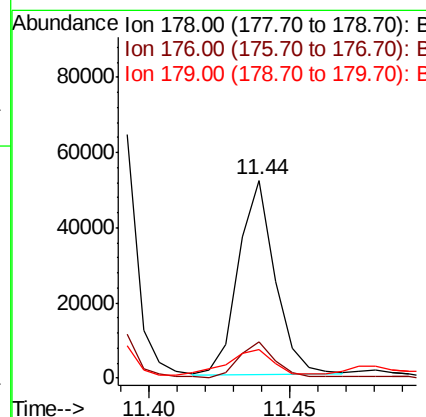
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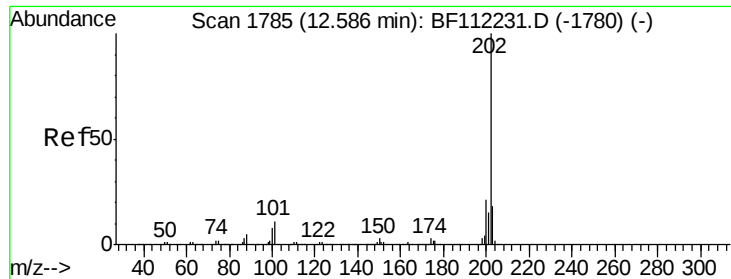
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#72
Anthracene
Concen: 2.105 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF112587.D
Acq: 15 Feb 2019 19:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.5	23.3
179	14.4	12.8	19.2





#75

Fluoranthene

Concen: 12.114 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112587.D

Acq: 15 Feb 2019 19:09

Instrument :

BNA_F

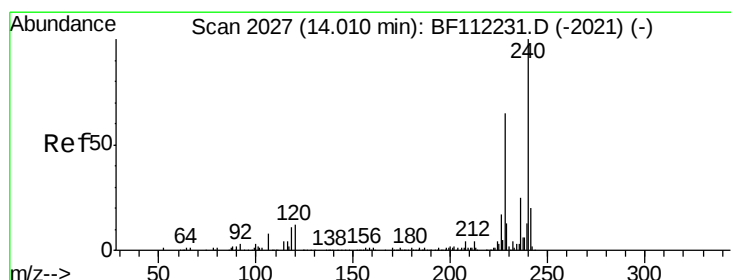
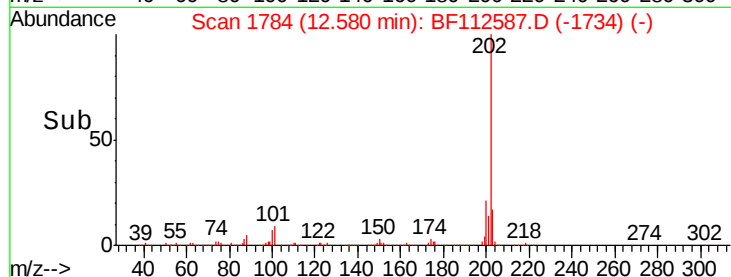
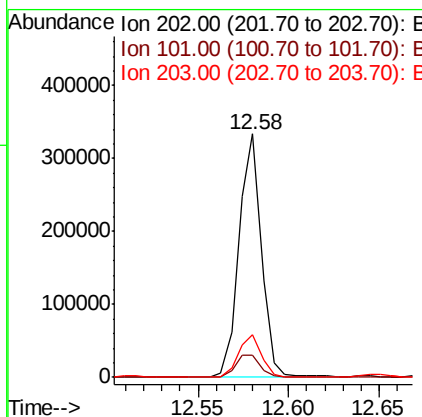
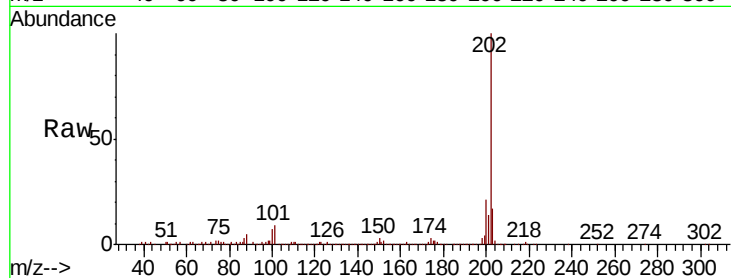
ClientSampleId :

CL-01-021419-A

Tot Ion:	202	Resp:	287405
Ion Ratio		Lower	Upper
202	100		
101	9.1	0.0	31.8
203	17.4	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

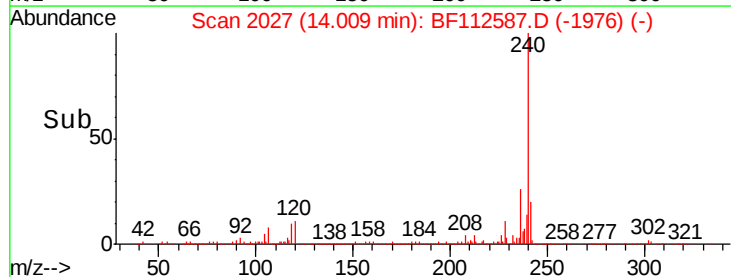
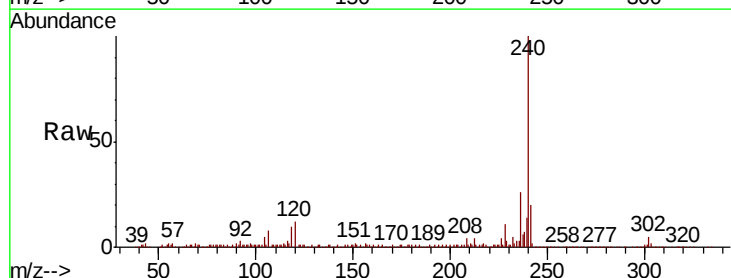
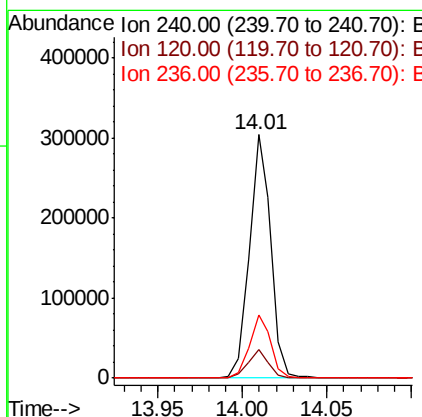
RT: 14.01 min Scan# 2027

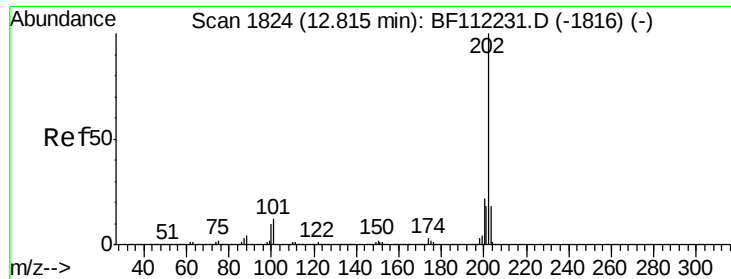
Delta R.T. -0.00 min

Lab File: BF112587.D

Acq: 15 Feb 2019 19:09

Tgt Ion:	240	Resp:	267558
Ion Ratio		Lower	Upper
240	100		
120	11.5	9.0	13.6
236	26.0	20.7	31.1





#78

Pvrene

Concen: 12.325 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF112587.D

Acq: 15 Feb 2019 19:09

Instrument :

BNA_F

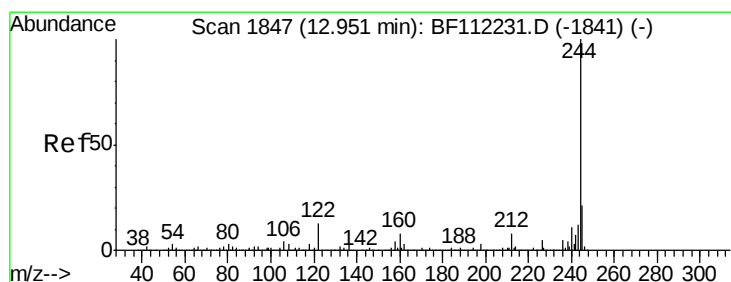
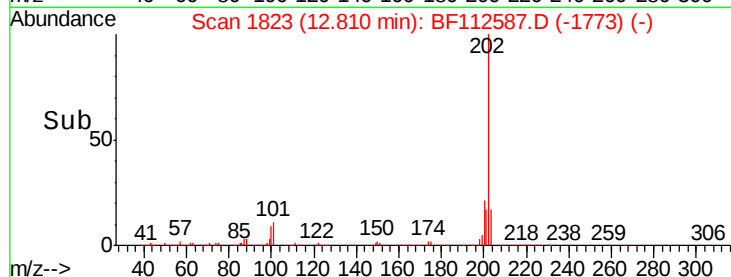
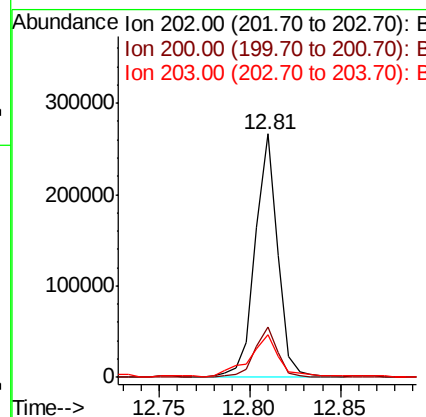
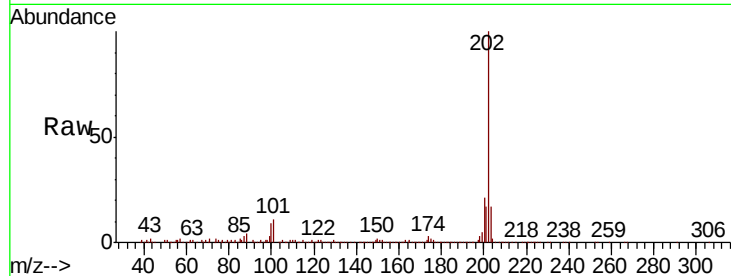
ClientSampleId :

CL-01-021419-A

Tot Ion:	202	Resp:	228307
Ion Ratio		Lower	Upper
202	100		
200	20.7	17.7	26.5
203	17.3	14.6	22.0

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#79

Terphenyl-d14

Concen: 70.833 ng

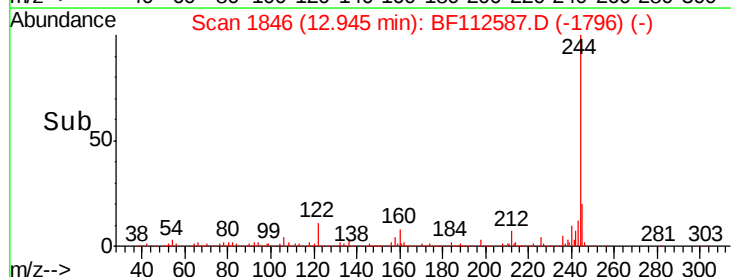
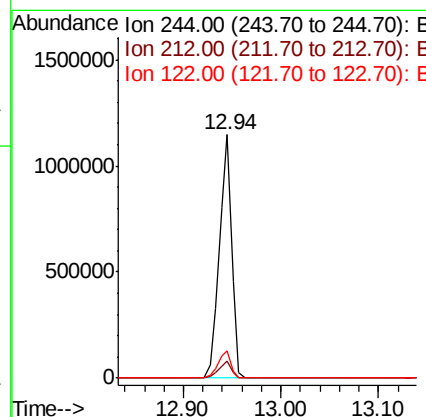
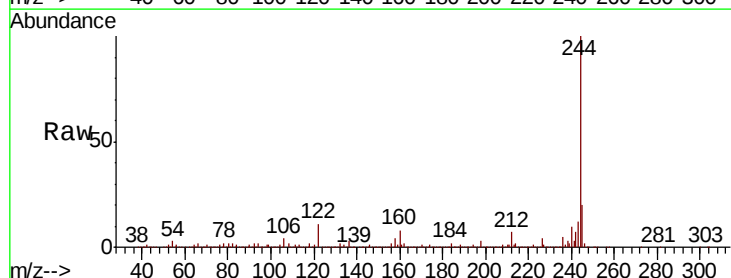
RT: 12.94 min Scan# 1846

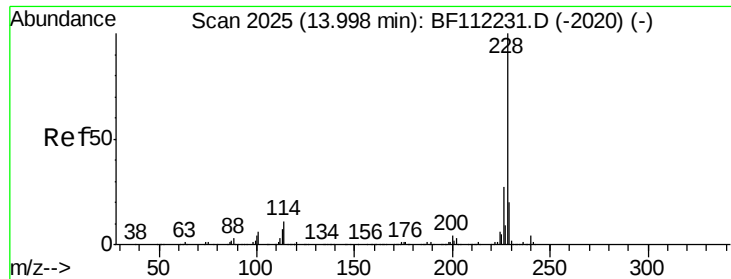
Delta R.T. -0.01 min

Lab File: BF112587.D

Acq: 15 Feb 2019 19:09

Tgt Ion:	244	Resp:	1006236
Ion Ratio		Lower	Upper
244	100		
212	7.1	5.9	8.9
122	11.2	9.8	14.6





#81

Benzo(a)anthracene

Concen: 6.901 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BF112587.D

Acq: 15 Feb 2019 19:09

Instrument :

BNA_F

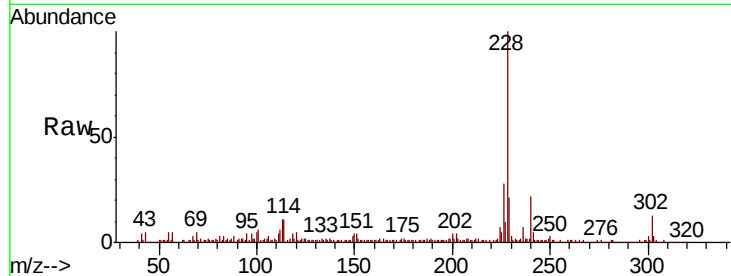
ClientSampleId :

CL-01-021419-A

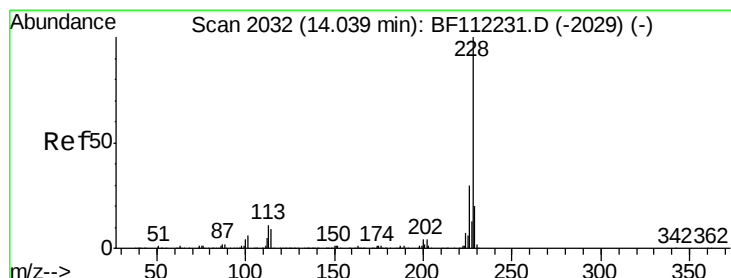
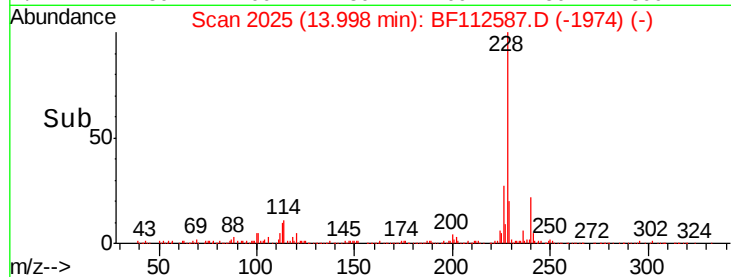
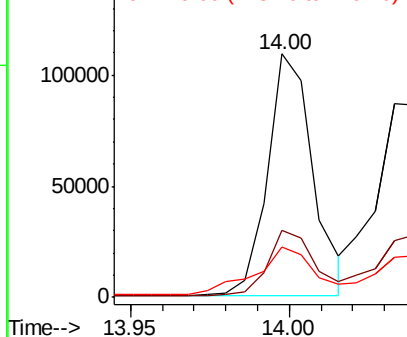
Tot Ion:	228	Resp:	108542
Ion Ratio	Lower	Upper	
228	100		
226	27.7	22.6	34.0
229	20.5	16.5	24.7

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 6.412 ng

RT: 14.03 min Scan# 2031

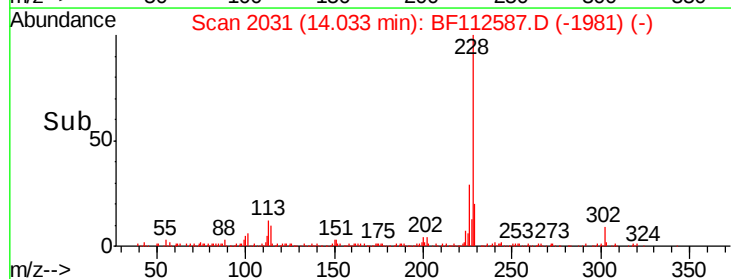
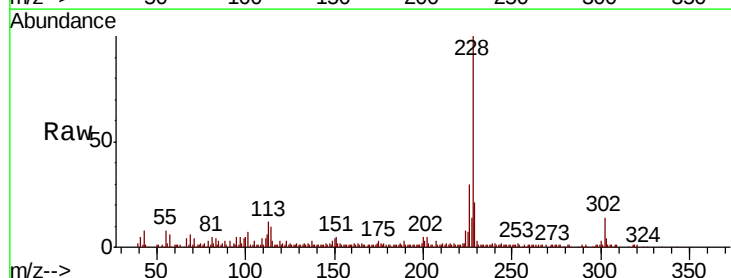
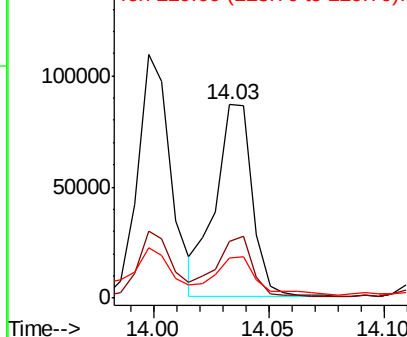
Delta R.T. -0.01 min

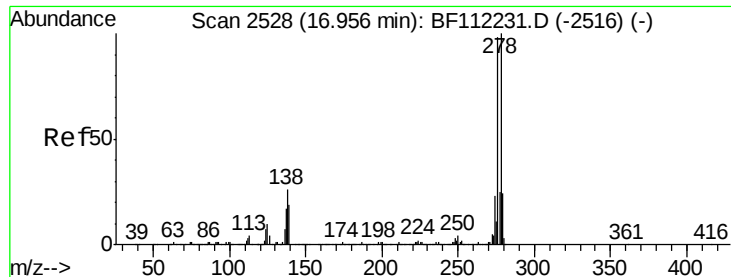
Lab File: BF112587.D

Acq: 15 Feb 2019 19:09

Tgt Ion:	228	Resp:	96262
Ion Ratio	Lower	Upper	
228	100		
226	29.7	25.0	37.6
229	21.0	16.6	24.8

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





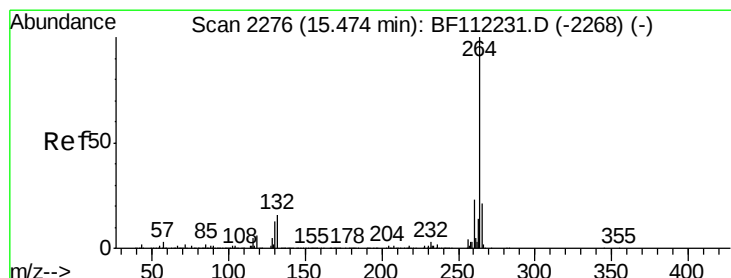
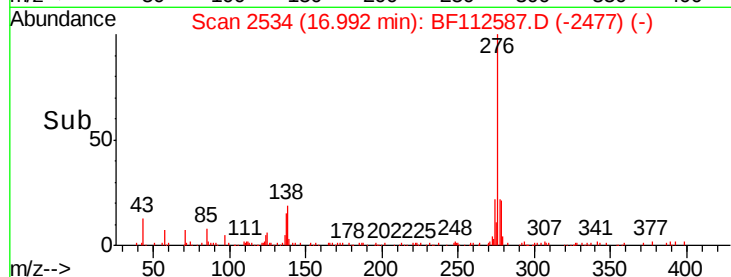
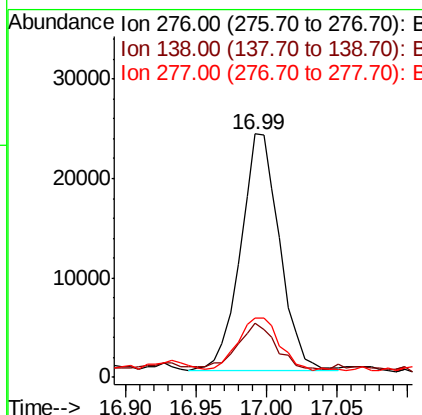
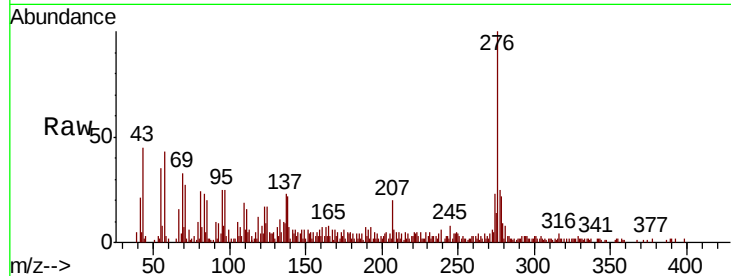
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.871 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.04 min
Lab File: BF112587.D
Acq: 15 Feb 2019 19:09

Instrument :
BNA_F
ClientSampleId :
CL-01-021419-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.4	22.6	34.0#
277	23.6	20.3	30.5

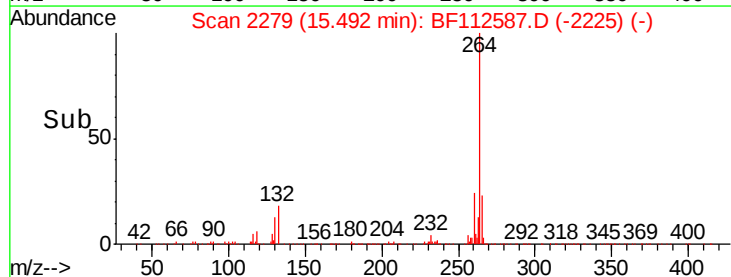
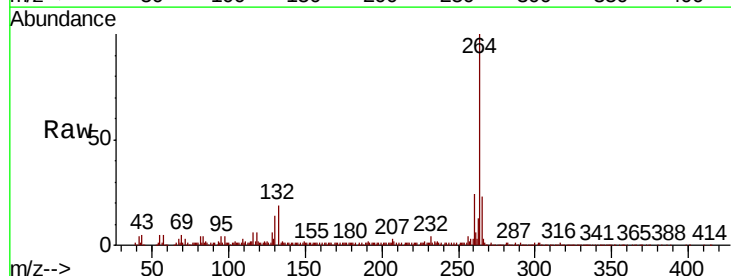
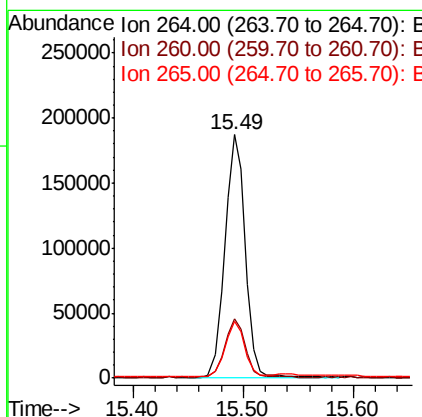
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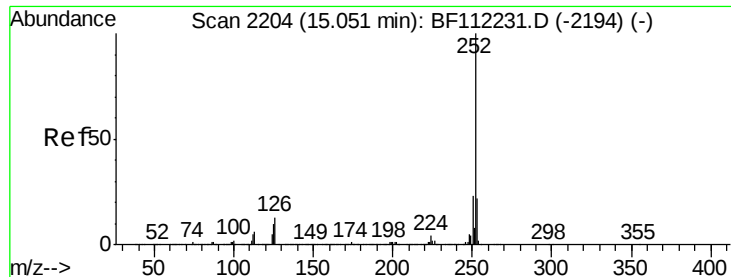
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF112587.D
Acq: 15 Feb 2019 19:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.2	27.2
265	23.4	17.0	25.4





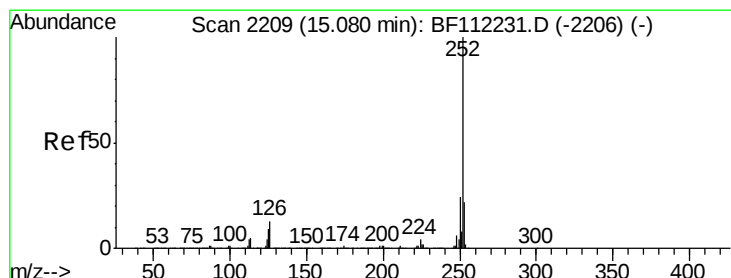
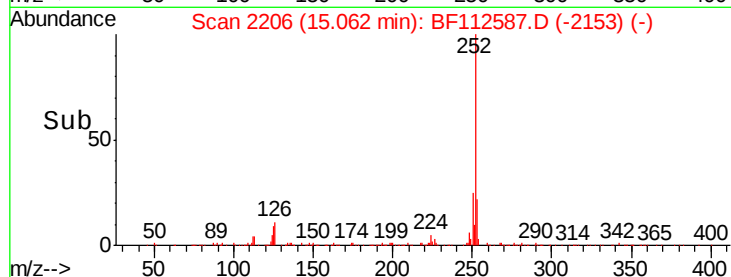
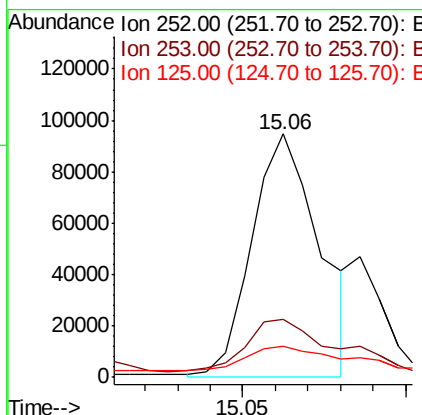
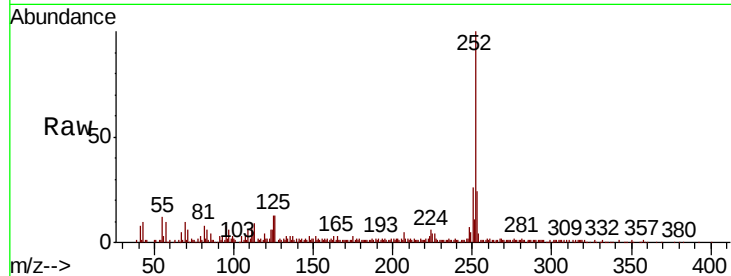
#88
Benzo(b)fluoranthene
Concen: 9.545 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF112587.D
Acq: 15 Feb 2019 19:09

Instrument :
BNA_F
ClientSampleId :
CL-01-021419-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	12.6	8.7	13.1

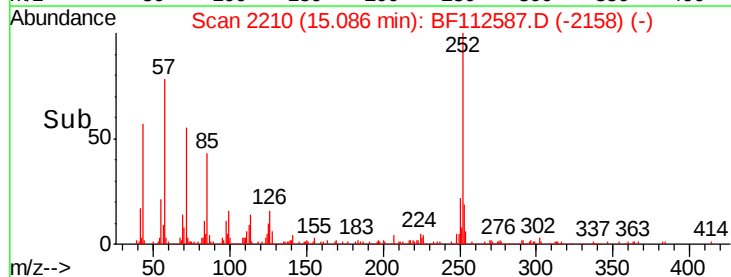
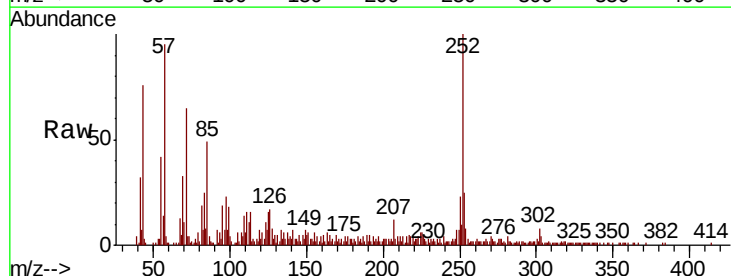
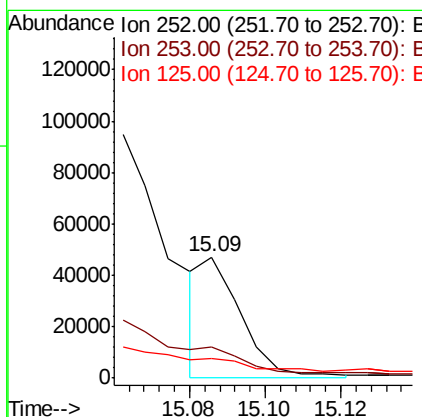
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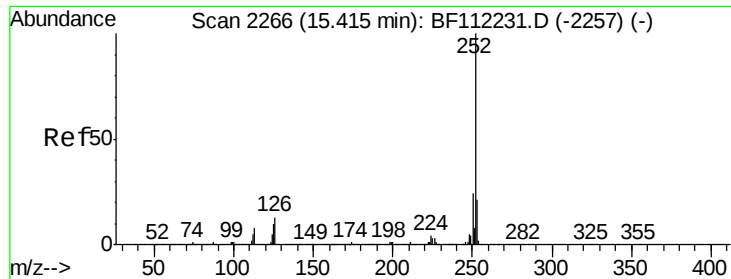
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#89
Benzo(k)fluoranthene
Concen: 2.533 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BF112587.D
Acq: 15 Feb 2019 19:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.0	27.0
125	16.3	9.1	13.7#





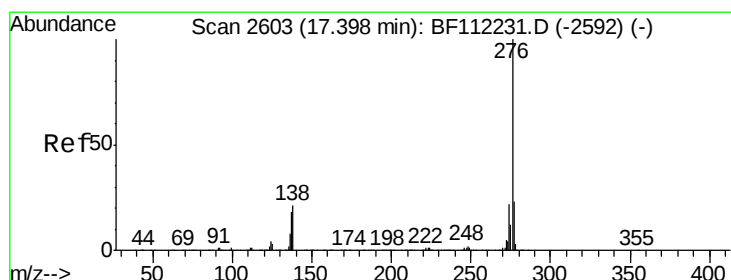
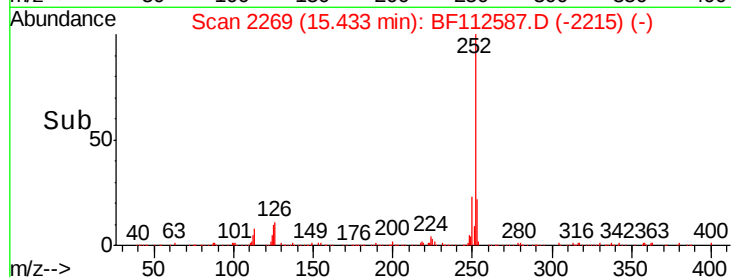
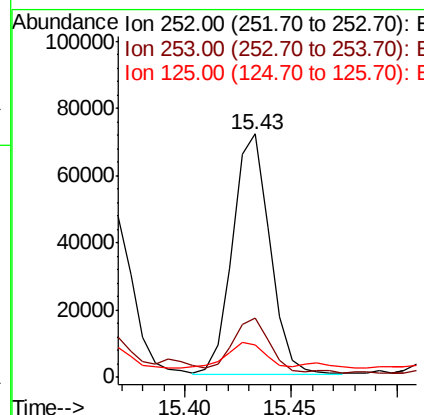
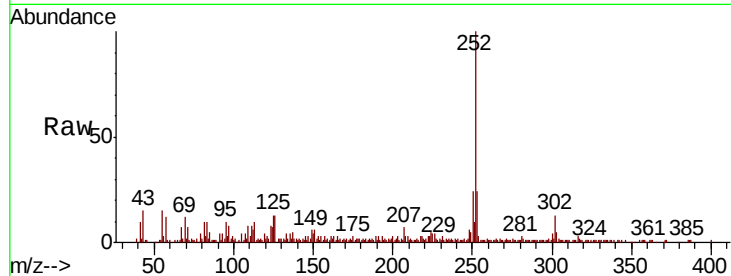
#90
Benzo(a)pyrene
Concen: 6.811 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF112587.D
Acq: 15 Feb 2019 19:09

Instrument :
BNA_F
ClientSampleId :
CL-01-021419-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	13.3	9.0	13.4

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 4.146 ng
RT: 17.46 min Scan# 2613
Delta R.T. 0.06 min
Lab File: BF112587.D
Acq: 15 Feb 2019 19:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.0
138	24.7	19.1	28.7

