

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021219\
 Data File : BF112503.D
 Acq On : 12 Feb 2019 10:52
 Operator : JU/SJ
 Sample : K1442-04
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-10

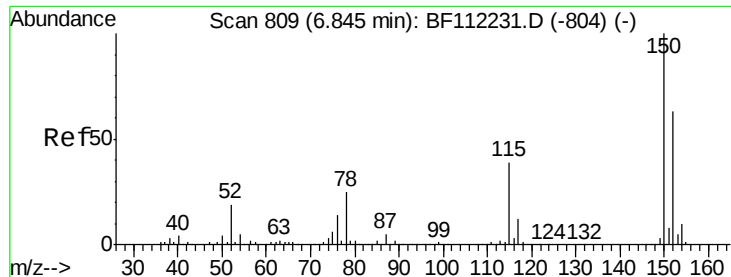
Manual Integrations
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 2/13/2019 11:12:00 AM

Quant Time: Feb 13 05:55:05 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	118293	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	419566	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	179123	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	317274	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	293657	20.00	ng	0.00
87) Perylene-d12	15.49	264	209952	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	530837	95.32	ng	-0.01
7) Phenol-d6	6.48	99	625779	80.86	ng	-0.01
23) Nitrobenzene-d5	7.39	82	397124	54.54	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	153520	73.63	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	714697	56.43	ng	-0.02
79) Terphenyl-d14	12.94	244	699077	44.84	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.58	163	49953	3.589	ng	99
71) Phenanthrene	11.38	178	213556	12.947	ng	97
72) Anthracene	11.43	178	56917	3.464	ng	97
75) Fluoranthene	12.57	202	362129	20.469	ng	97
78) Pyrene	12.80	202	318992	15.690	ng	99
81) Benzo(a)anthracene	13.99	228	151839	8.796	ng	98
83) Chrysene	14.03	228	140905	8.551	ng	96
84) Bis(2-ethylhexyl)phthalate	13.96	149	29984	2.147	ng	# 98
86) Indeno(1,2,3-cd)pyrene	16.99	276	54608m	4.182	ng	
88) Benzo(b)fluoranthene	15.06	252	157731m	12.562	ng	
89) Benzo(k)fluoranthene	15.08	252	36284m	3.017	ng	
90) Benzo(a)pyrene	15.43	252	99013	8.764	ng	# 91
92) Benzo(a,h,i)perylene	17.44	276	58557	6.816	ng	# 92

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



#1

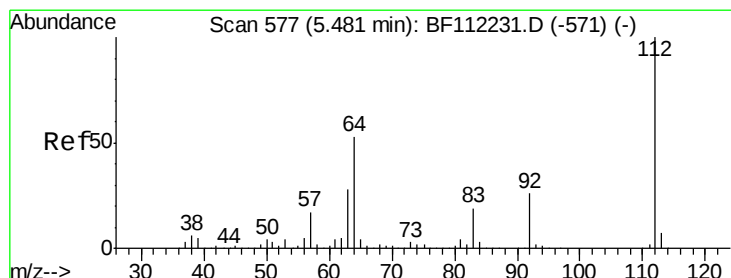
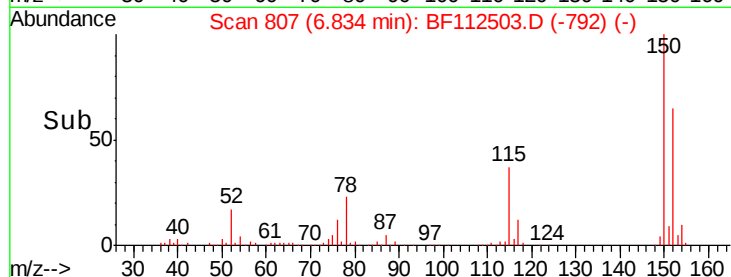
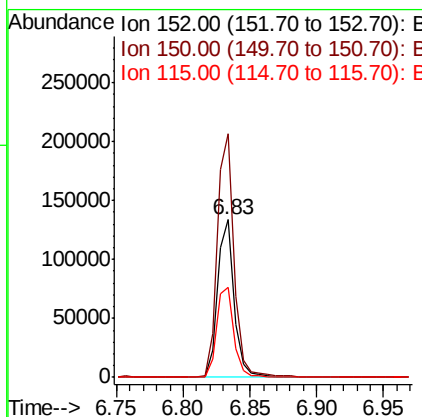
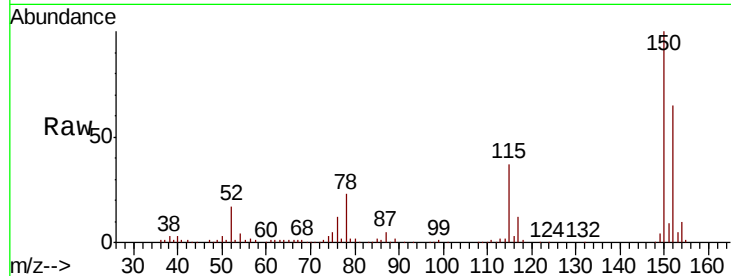
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112503.D
Acq: 12 Feb 2019 10:52

Instrument :
BNA_F
ClientSampled :
COMP-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	127.4	191.0
115	57.0	45.5	68.3

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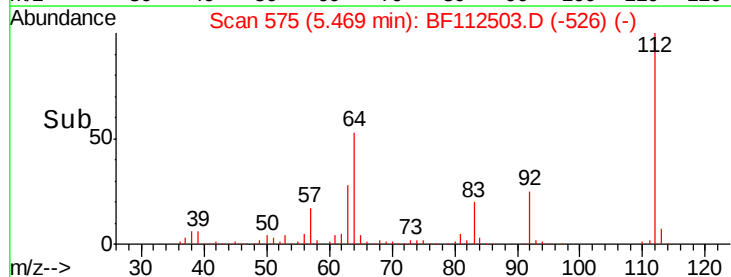
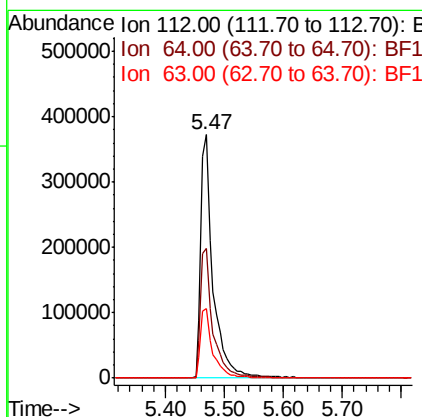
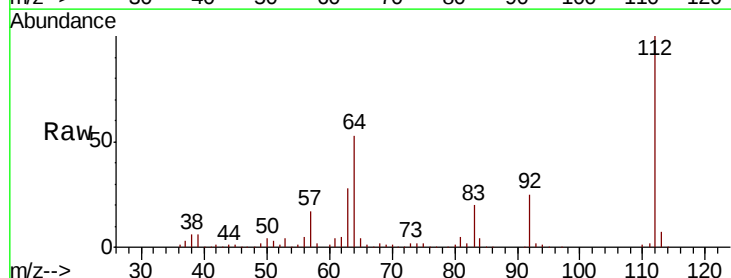
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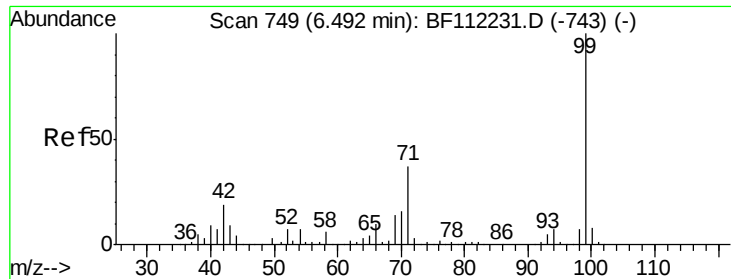


#5

2-Fluorophenol
Concen: 95.317 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112503.D
Acq: 12 Feb 2019 10:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	45.7	68.5
63	28.4	23.6	35.4





#7

Phenol-d6

Concen: 80.864 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112503.D

Acq: 12 Feb 2019 10:52

Instrument :

BNA_F

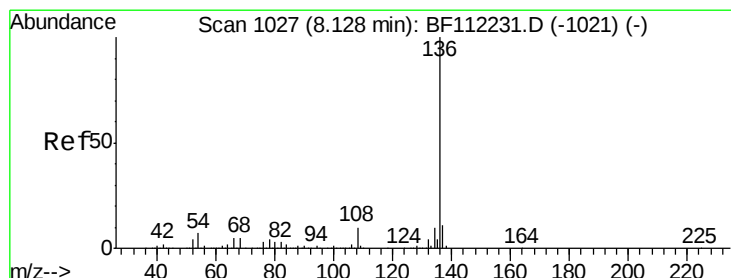
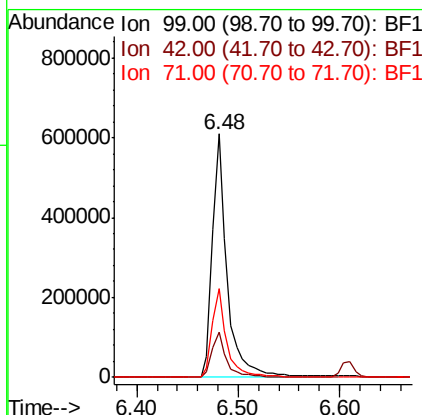
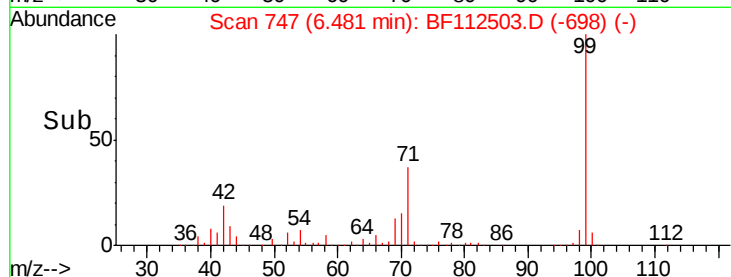
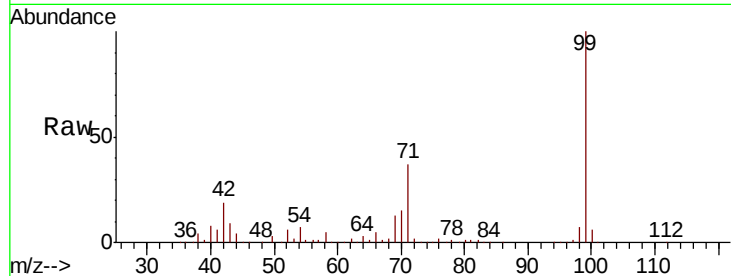
ClientSampleId :

COMP-10

Tot Ion:	99	Resp:	625779
Ion	Ratio	Lower	Upper
99	100		
42	18.8	15.1	22.7
71	36.6	26.9	40.3

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#21

Naphthalene-d8

Concen: 20.000 ng

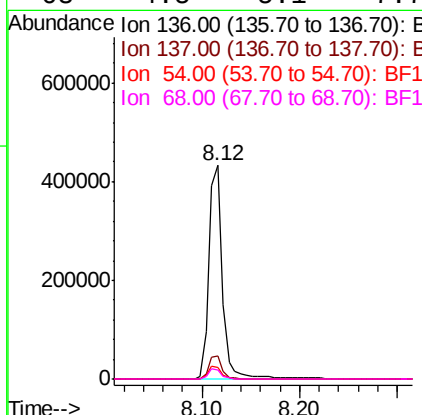
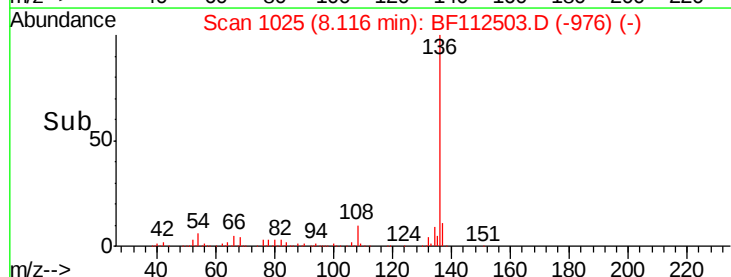
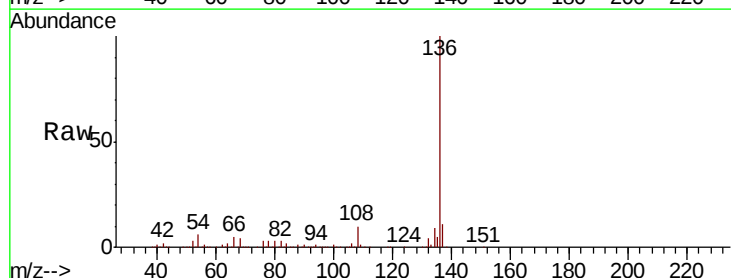
RT: 8.12 min Scan# 1025

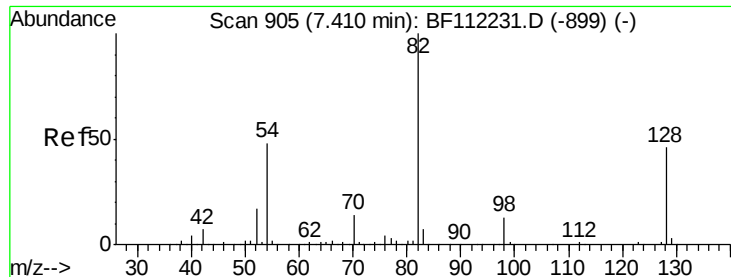
Delta R.T. -0.01 min

Lab File: BF112503.D

Acq: 12 Feb 2019 10:52

Tgt Ion:	136	Resp:	419566
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	5.7	5.9	8.9#
68	4.5	5.1	7.7#





#23

Nitrobenzene-d5

Concen: 54.538 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF112503.D

Acq: 12 Feb 2019 10:52

Instrument :

BNA_F

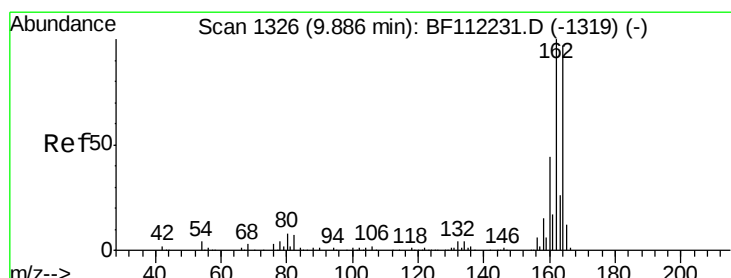
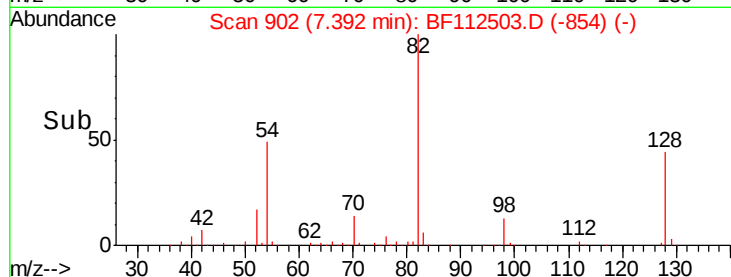
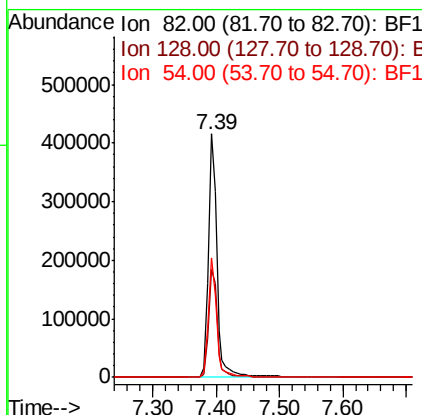
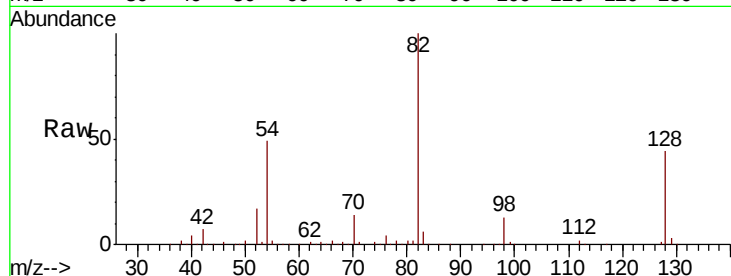
ClientSampled :

COMP-10

Tot Ion:	82	Resp:	397124
Ion Ratio	Lower	Upper	
82	100		
128	44.5	37.8	56.8
54	49.0	39.7	59.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

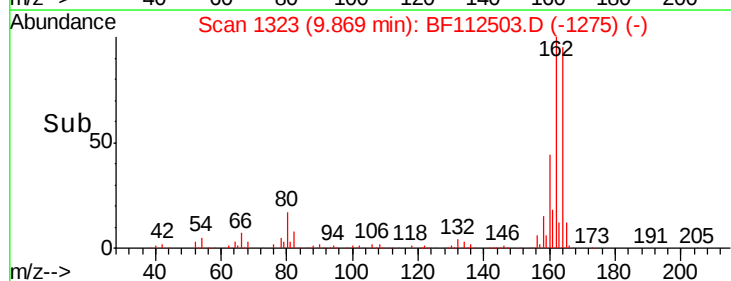
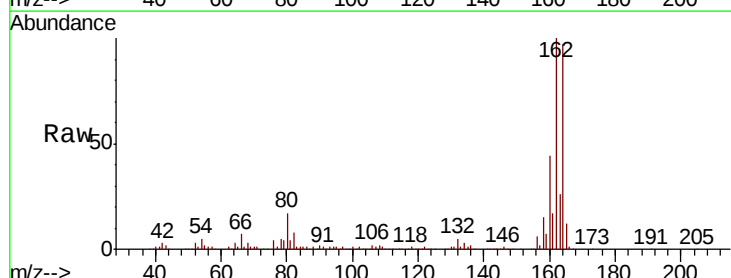
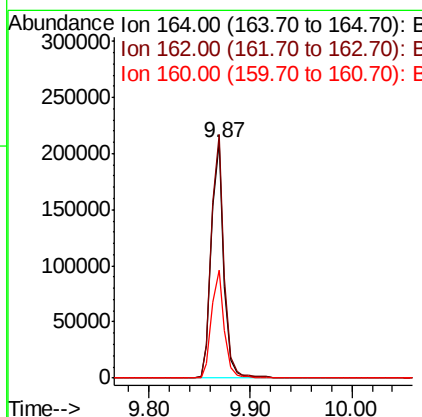
RT: 9.87 min Scan# 1323

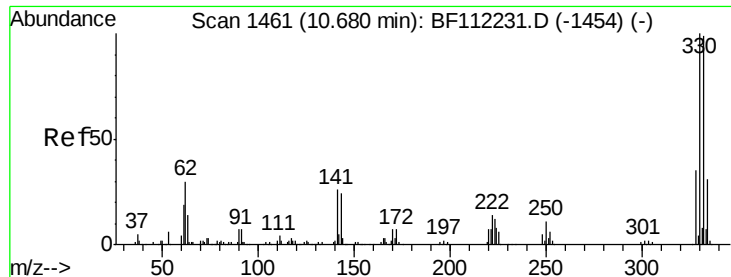
Delta R.T. -0.02 min

Lab File: BF112503.D

Acq: 12 Feb 2019 10:52

Tgt Ion:	164	Resp:	179123
Ion Ratio	Lower	Upper	
164	100		
162	103.3	82.2	123.4
160	45.8	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 73.633 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112503.D

Acq: 12 Feb 2019 10:52

Instrument :

BNA_F

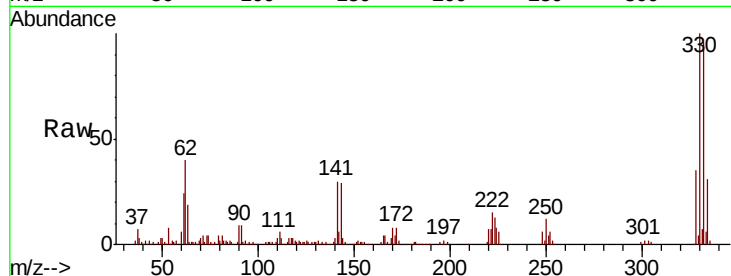
ClientSampleId :

COMP-10

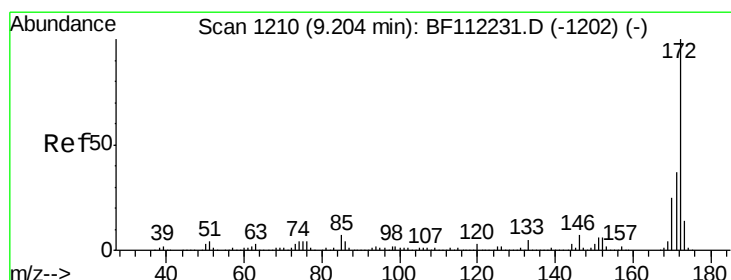
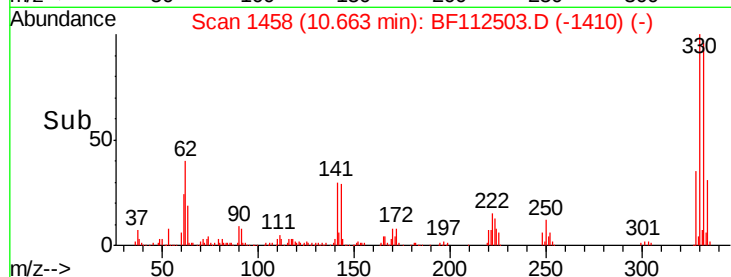
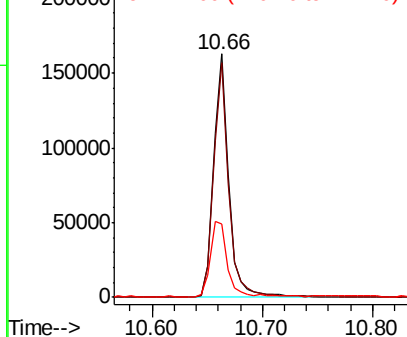
Tot Ion:	330	Resp:	153520
Ion Ratio	Lower	Upper	
330	100		
332	96.3	76.6	114.8
141	33.7	24.3	36.5

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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: 56.432 ng

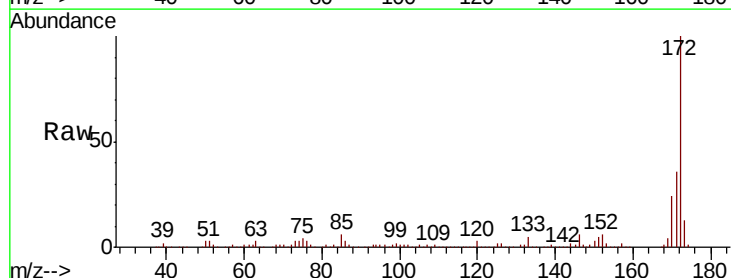
RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

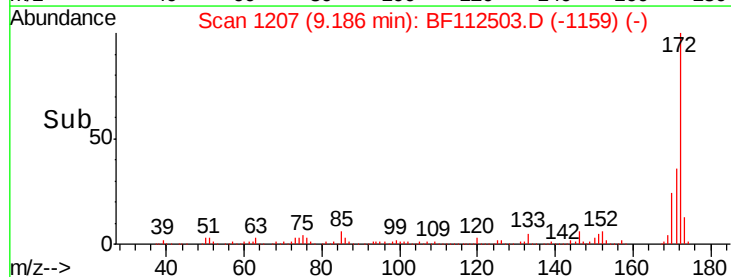
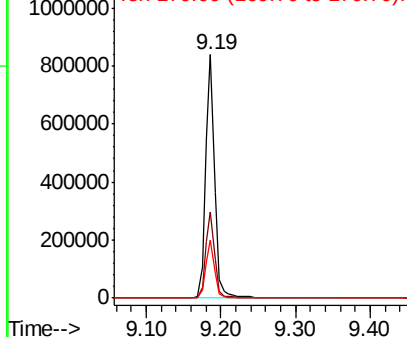
Lab File: BF112503.D

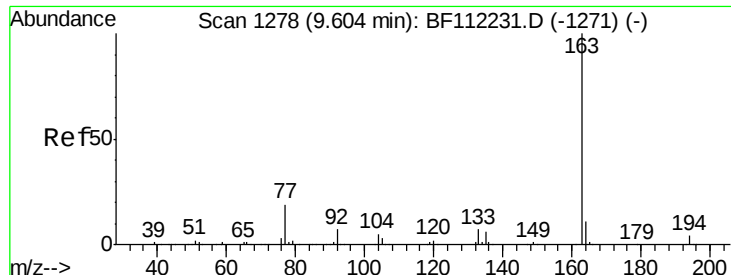
Acq: 12 Feb 2019 10:52

Tgt Ion:	172	Resp:	714697
Ion Ratio	Lower	Upper	
172	100		
171	35.5	30.5	45.7
170	23.9	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





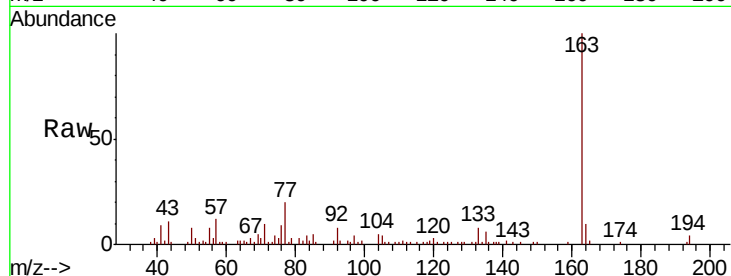
#50
Dimethylphthalate
Concen: 3.589 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112503.D
Acq: 12 Feb 2019 10:52

Instrument :
BNA_F
ClientSampleId :
COMP-10

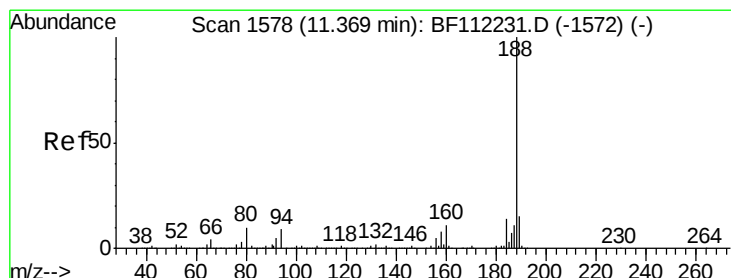
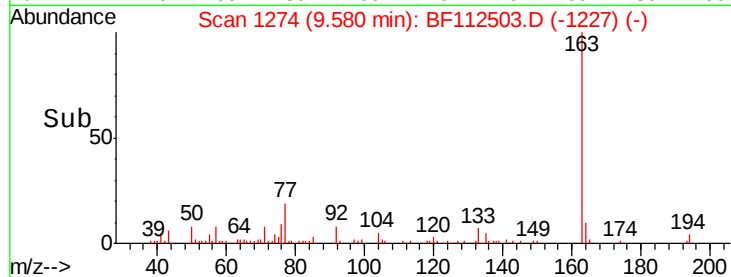
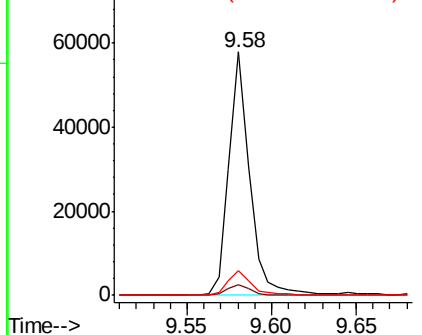
Tot Ion:	163	Resp:	49953
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.3	4.9
164	10.4	8.5	12.7

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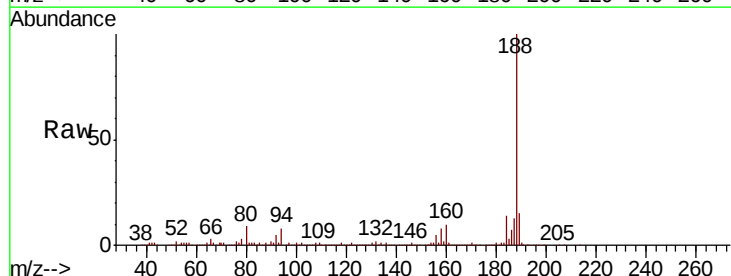


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

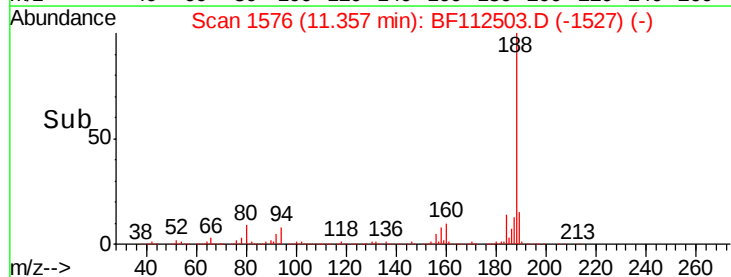
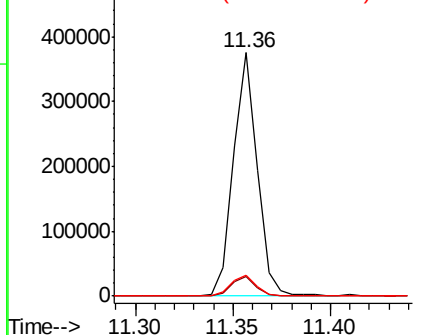


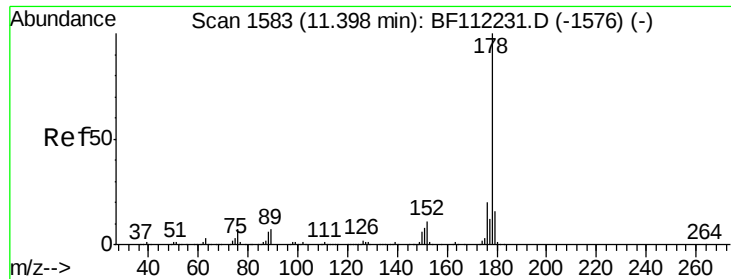
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112503.D
Acq: 12 Feb 2019 10:52

Tgt Ion:	188	Resp:	317274
Ion Ratio	Lower	Upper	
188	100		
94	7.9	8.2	12.2#
80	8.7	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





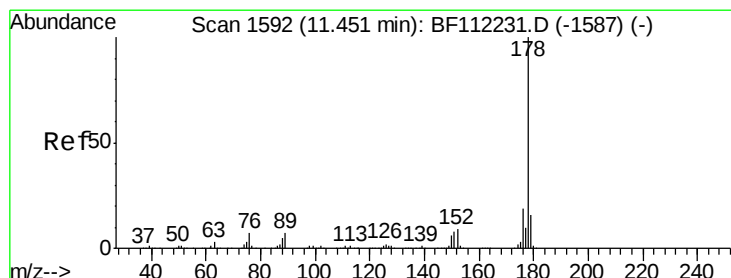
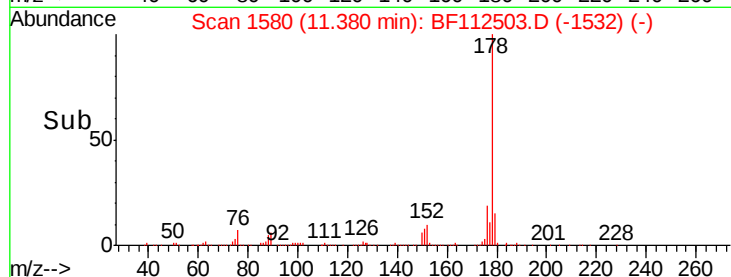
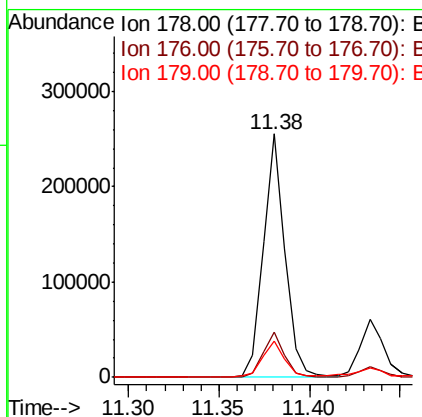
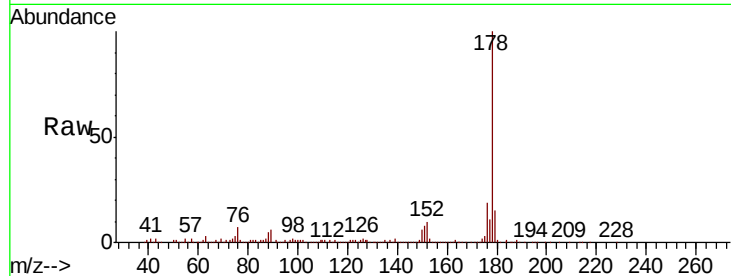
#71
Phenanthrene
Concen: 12.947 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112503.D
Acq: 12 Feb 2019 10:52

Instrument :
BNA_F
ClientSampleId :
COMP-10

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.3	24.5
179	15.0	13.0	19.4

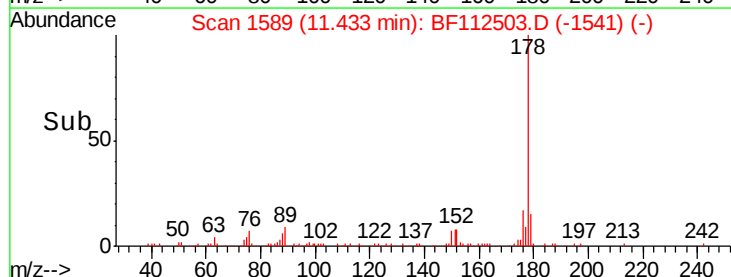
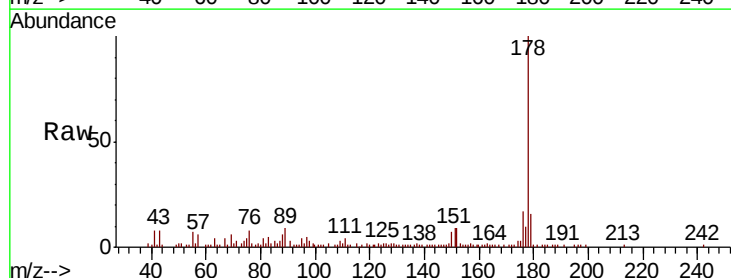
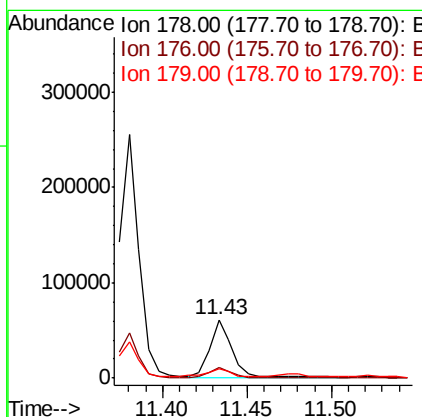
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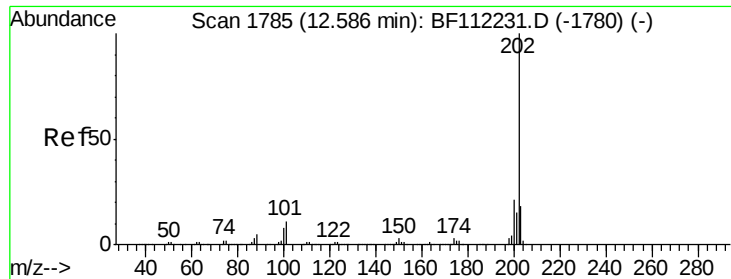
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#72
Anthracene
Concen: 3.464 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.02 min
Lab File: BF112503.D
Acq: 12 Feb 2019 10:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.3	15.5	23.3
179	15.7	12.8	19.2





#75

Fluoranthene

Concen: 20.469 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112503.D

Acq: 12 Feb 2019 10:52

Instrument :

BNA_F

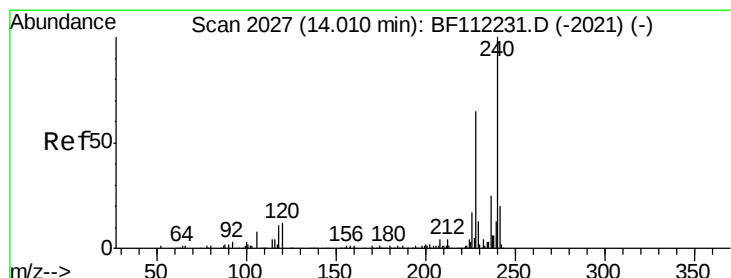
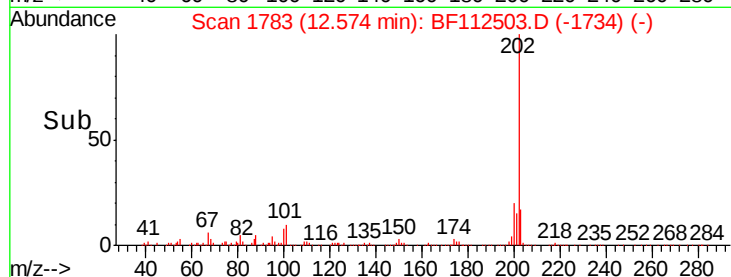
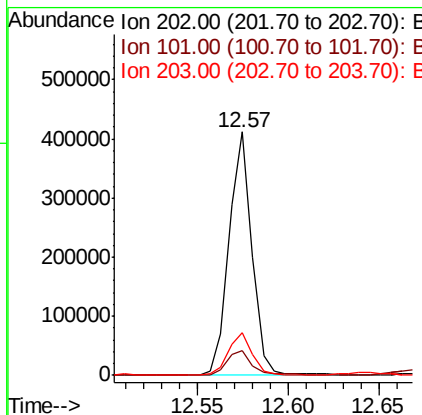
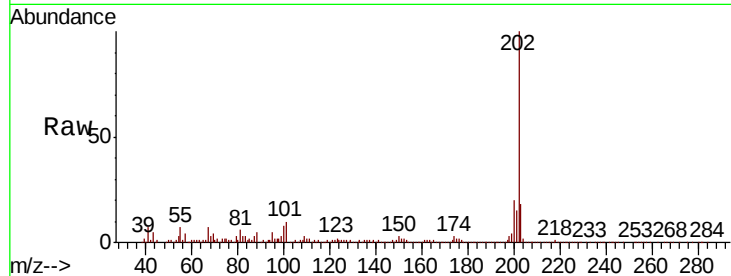
ClientSampled :

COMP-10

Tot Ion:	202	Resp:	362129
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	31.8
203	17.6	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

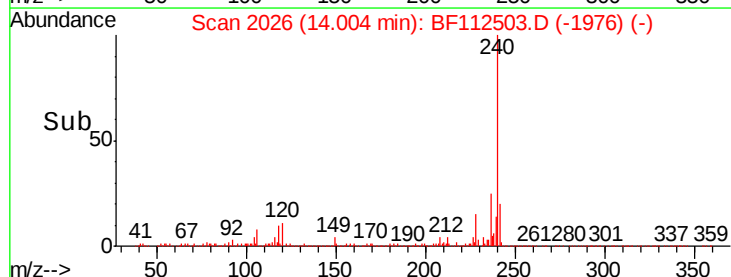
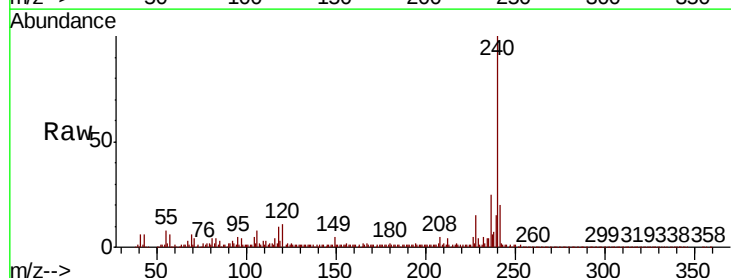
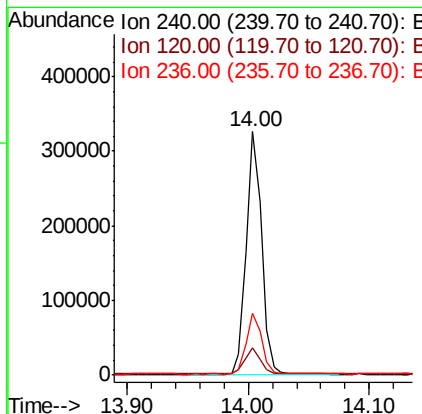
RT: 14.00 min Scan# 2026

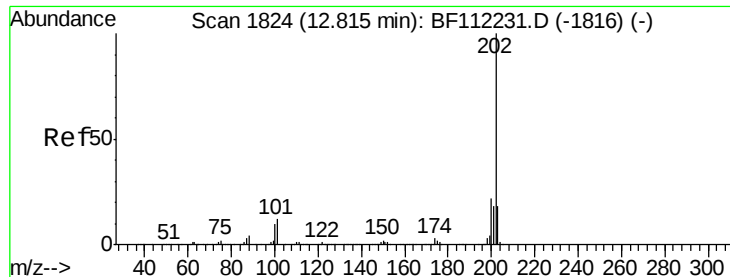
Delta R.T. -0.01 min

Lab File: BF112503.D

Acq: 12 Feb 2019 10:52

Tgt Ion:	240	Resp:	293657
Ion Ratio	Lower	Upper	
240	100		
120	11.3	9.0	13.6
236	25.3	20.7	31.1





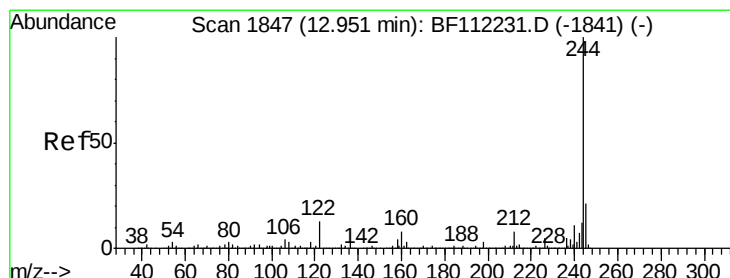
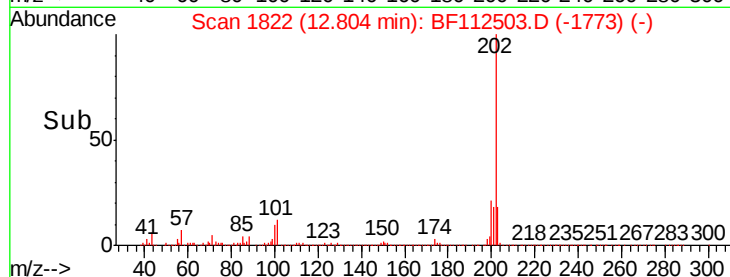
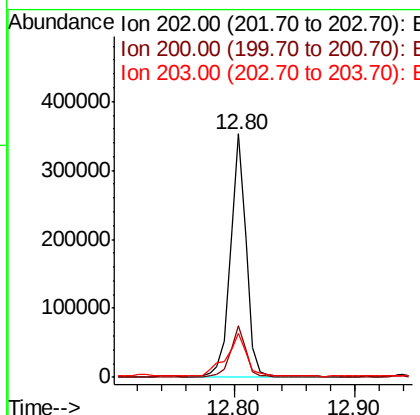
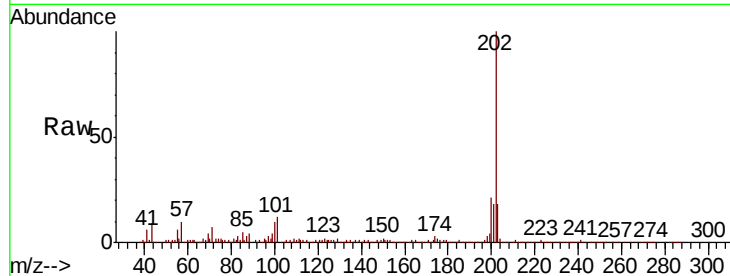
#78
Pvrene
Concen: 15.690 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112503.D
Acq: 12 Feb 2019 10:52

Instrument :
BNA_F
ClientSampleId :
COMP-10

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	17.7	26.5
203	18.0	14.6	22.0

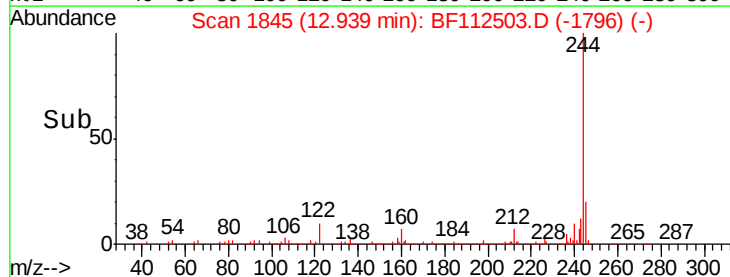
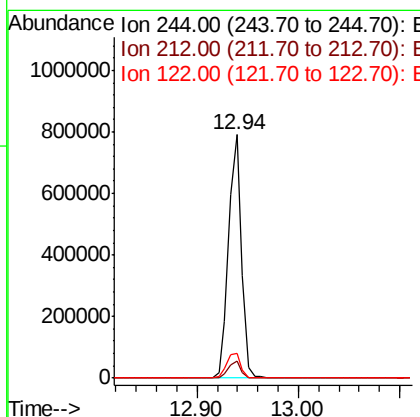
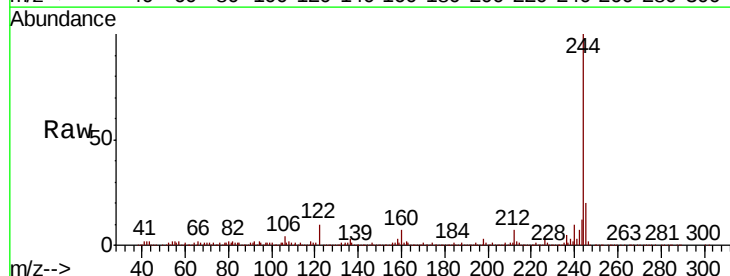
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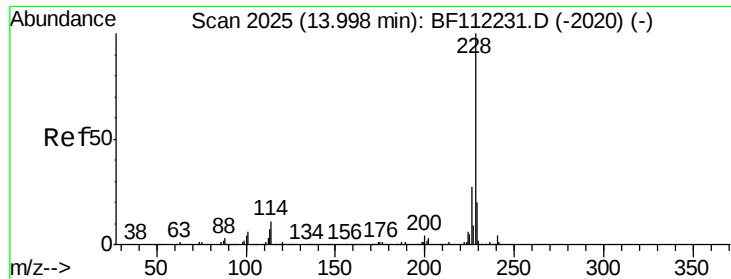
Sohil
2/13/2019 11:12:00 AM



#79
Terphenyl-d14
Concen: 44.837 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF112503.D
Acq: 12 Feb 2019 10:52

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	5.9	8.9
122	10.3	9.8	14.6





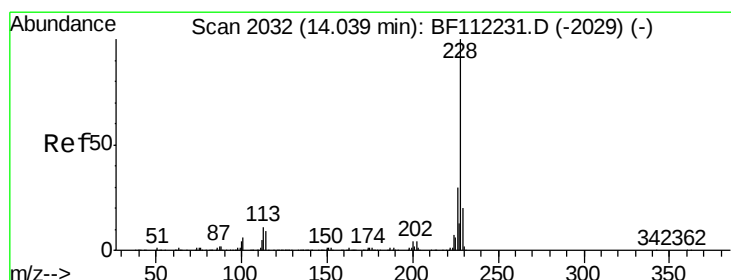
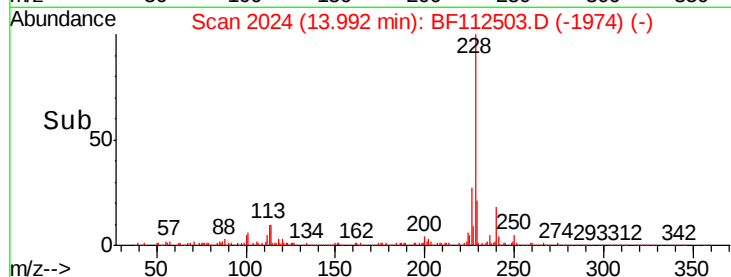
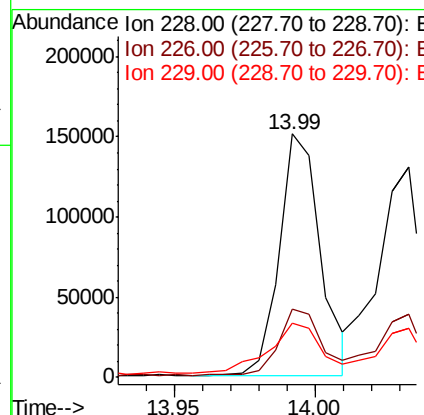
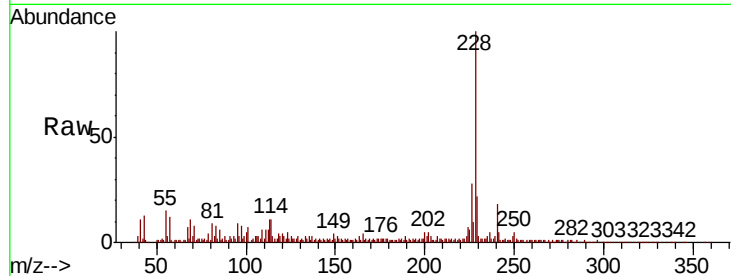
#81
Benzo(a)anthracene
Concen: 8.796 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF112503.D
Acq: 12 Feb 2019 10:52

Instrument :
BNA_F
ClientSampleId :
COMP-10

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	34.0
229	22.5	16.5	24.7

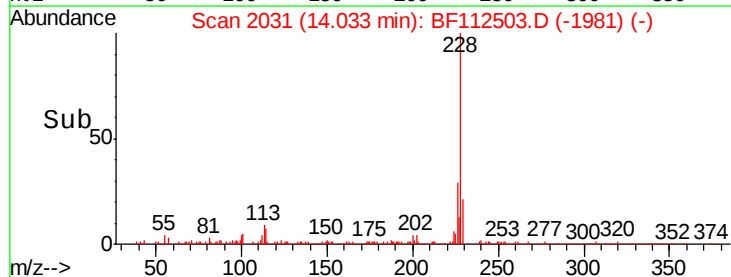
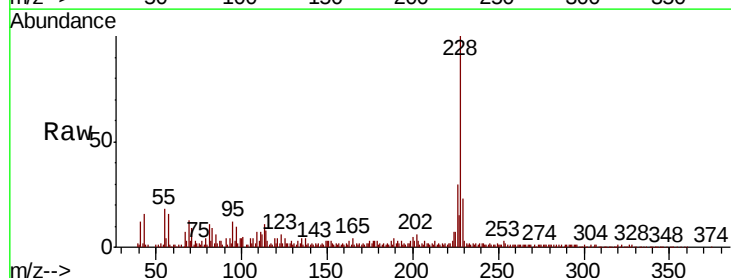
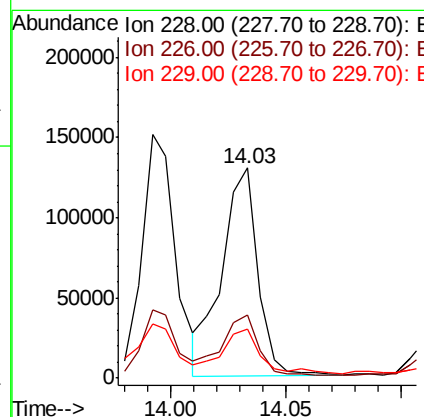
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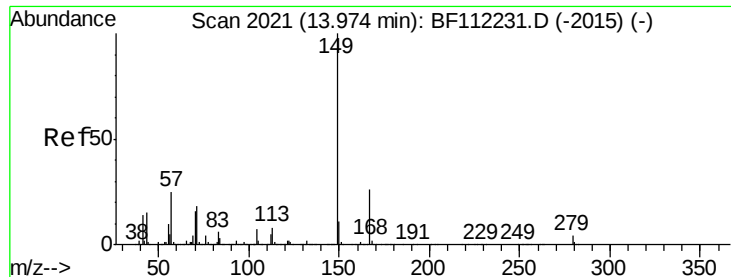
Sohil
2/13/2019 11:12:00 AM



#83
Chrysene
Concen: 8.551 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF112503.D
Acq: 12 Feb 2019 10:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	23.3	16.6	24.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.147 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF112503.D

Acq: 12 Feb 2019 10:52

Instrument :

BNA_F

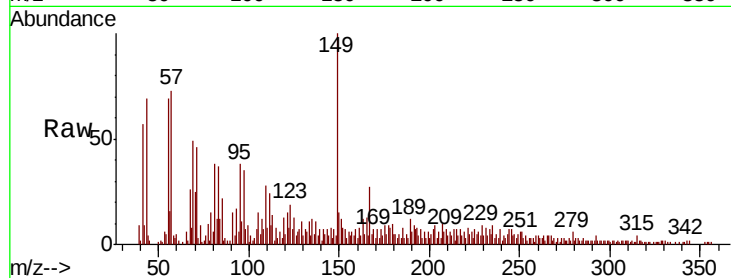
ClientSampleId :

COMP-10

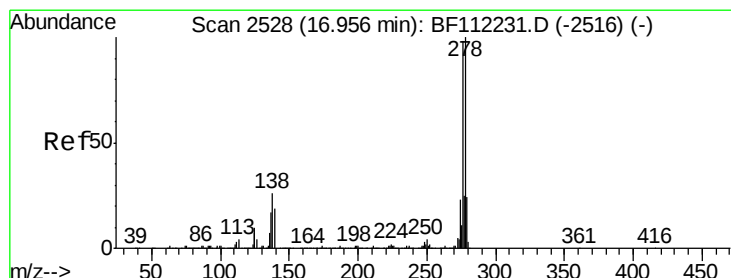
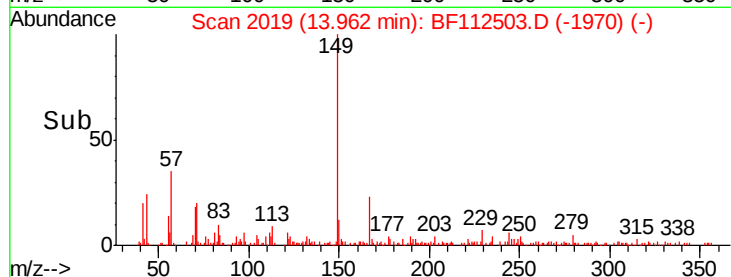
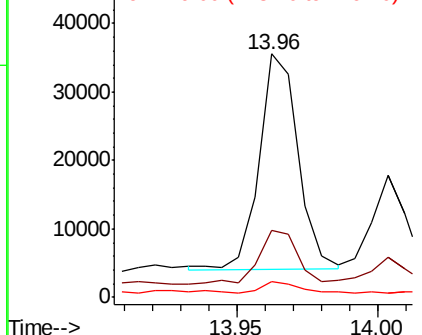
Tot Ion:	149	Resp:	29984
Ion Ratio	Lower	Upper	
149	100		
167	27.3	22.5	33.7
279	6.3	3.8	5.6#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.182 ng m

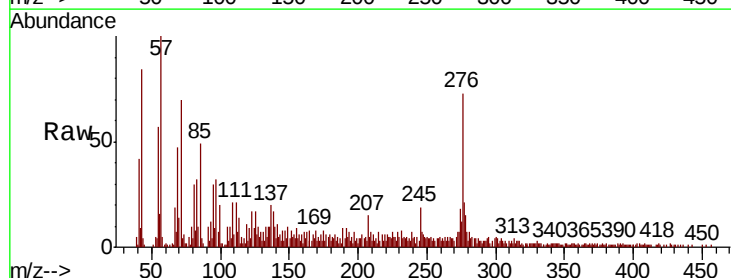
RT: 16.99 min Scan# 2533

Delta R.T. 0.03 min

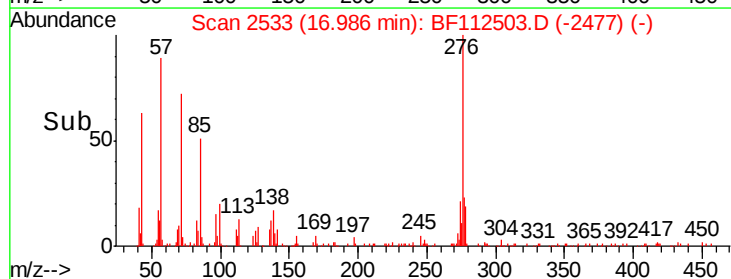
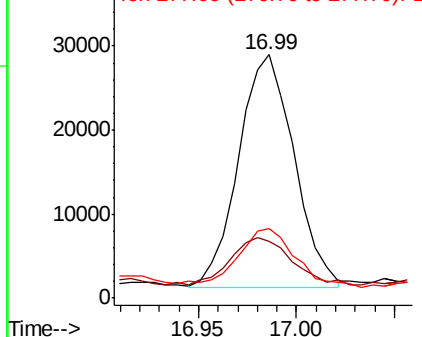
Lab File: BF112503.D

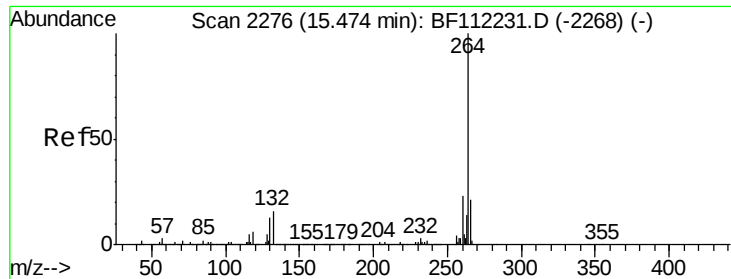
Acq: 12 Feb 2019 10:52

Tgt Ion:	276	Resp:	54608
Ion Ratio	Lower	Upper	
276	100		
138	1.0	22.6	34.0#
277	1.2	20.3	30.5#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





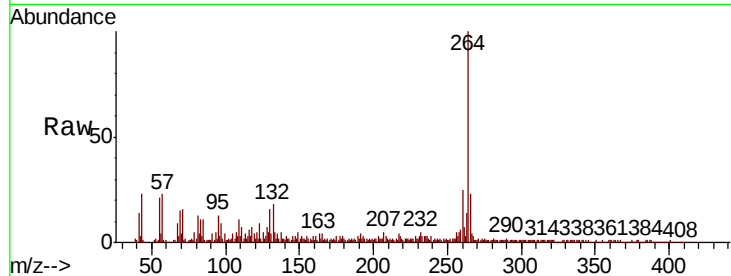
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF112503.D
Acq: 12 Feb 2019 10:52

Instrument :
BNA_F
ClientSampleId :
COMP-10

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	18.2	27.2
265	22.6	17.0	25.4

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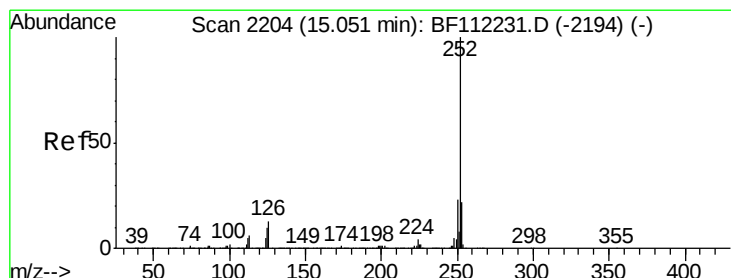
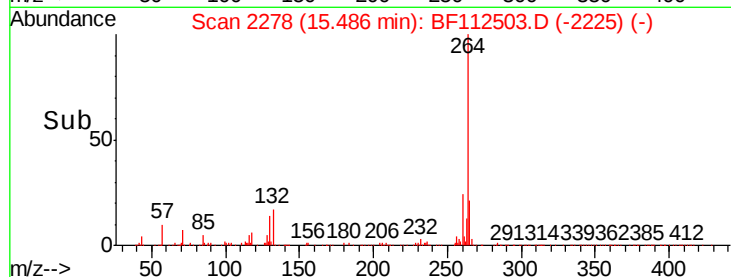
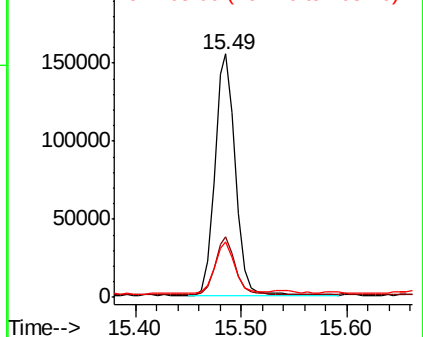


Abundance

Ion 264.00 (263.70 to 264.70): E

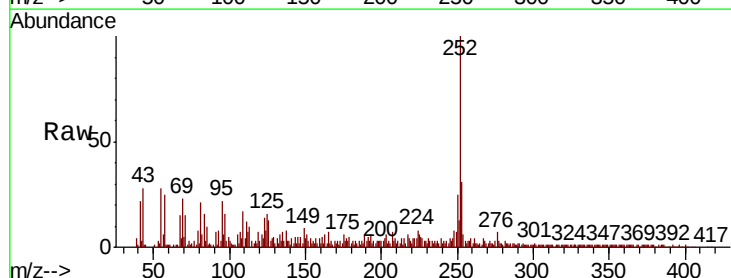
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 12.562 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF112503.D
Acq: 12 Feb 2019 10:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.9	18.0	27.0#
125	15.5	8.7	13.1#

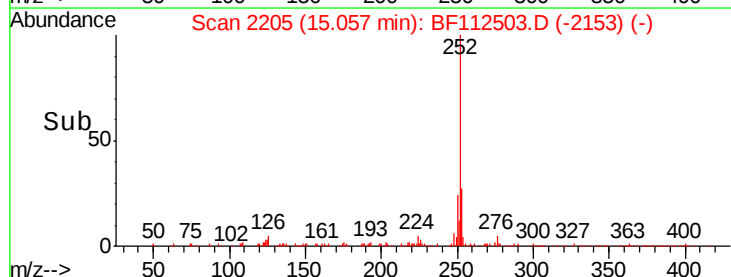
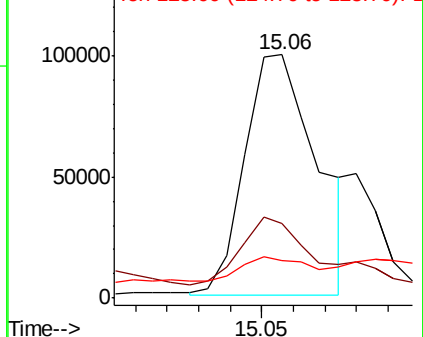


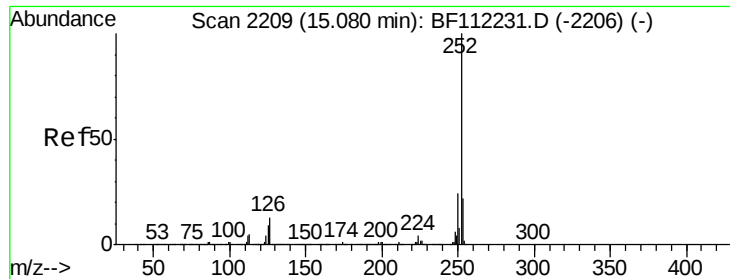
Abundance

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





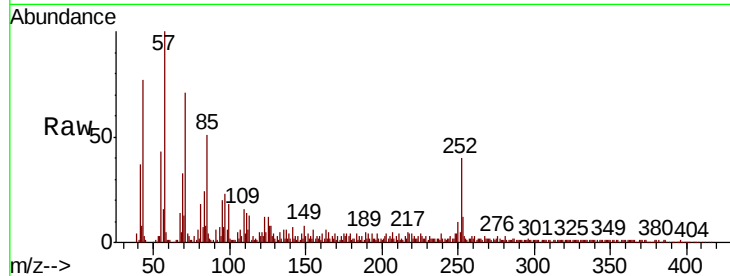
#89
Benzo(k)fluoranthene
Concen: 3.017 ng/mL
RT: 15.08 min Scan# 2209
Delta R.T. 0.00 min
Lab File: BF112503.D
Acq: 12 Feb 2019 10:52

Instrument :
BNA_F
ClientSampled :
COMP-10

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.4	18.0	27.0#
125	29.0	9.1	13.7#

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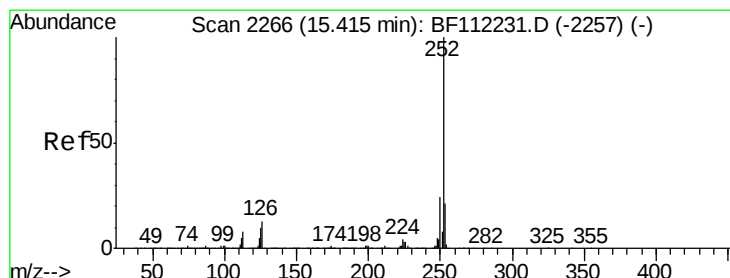
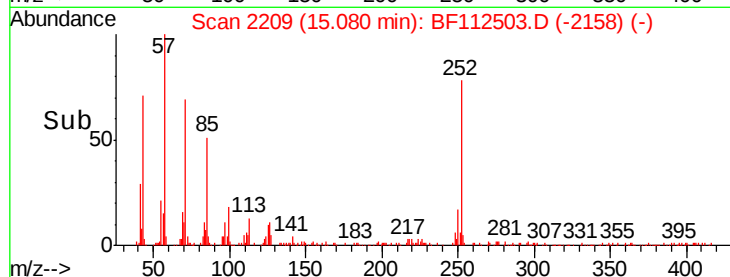
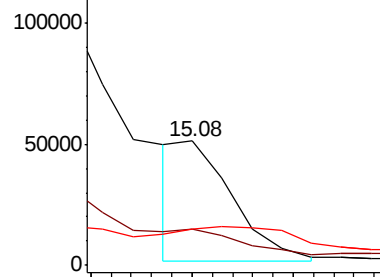


Abundance

Ion 252.00 (251.70 to 252.70): E

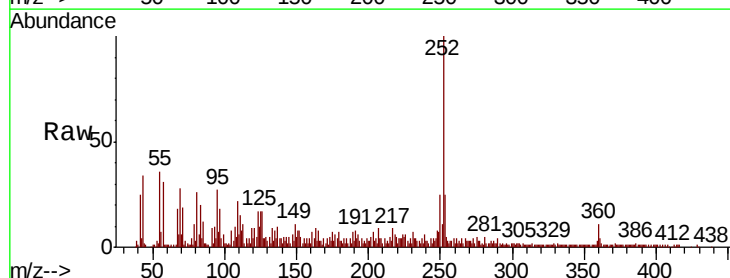
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 8.764 ng/mL
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF112503.D
Acq: 12 Feb 2019 10:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.5	26.3
125	16.9	9.0	13.4#

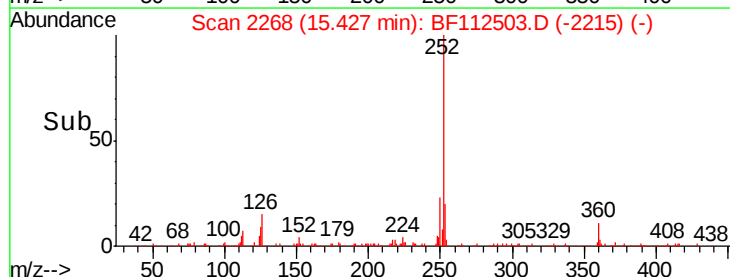
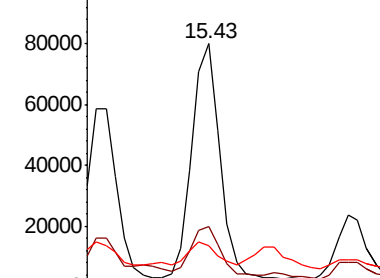


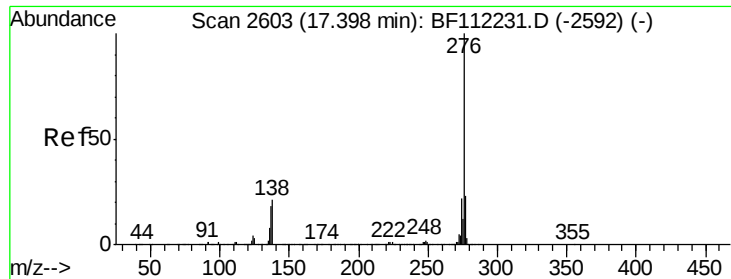
Abundance

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





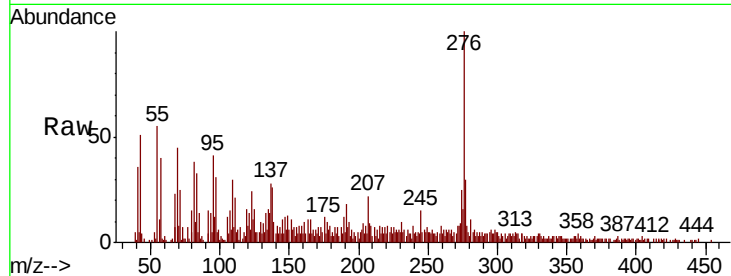
#92
 Benzo(a,h,i)perylene
 Concen: 6.816 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. 0.04 min
 Lab File: BF112503.D
 Acq: 12 Feb 2019 10:52

Instrument :
 BNA_F
 ClientSampleId :
 COMP-10

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.8	19.4	29.0#
138	25.8	19.1	28.7

Manual Integrations
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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

