

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
 Data File : BF112324.D
 Acq On : 30 Jan 2019 16:23
 Operator : JU/SJ
 Sample : K1282-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Manual Integrations
 APPROVED

mohammad
 2/1/2019 12:06:16 AM

Quant Time: Jan 30 23:59:33 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	6.84	152	194871	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	734883	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	338585	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	587168	20.00	ng	0.00
76) Chrysene-d12	14.00	240	410169	20.00	ng	-0.01
87) Perylene-d12	15.47	264	414417	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1001645	109.18	ng	0.00
7) Phenol-d6	6.49	99	1230773	96.54	ng	0.00
23) Nitrobenzene-d5	7.40	82	780522	61.20	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	324728	82.40	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1261369	52.69	ng	-0.01
79) Terphenyl-d14	12.94	244	973001	44.68	ng	-0.01
Target Compounds						
10) Phenol	6.50	94	91934	6.573	ng	80
50) Dimethylphthalate	9.59	163	155788	5.922	ng	97
71) Phenanthrene	11.38	178	198922	6.516	ng	97
75) Fluoranthene	12.57	202	275073	8.402	ng	97
78) Pyrene	12.80	202	236261	8.320	ng	98
81) Benzo(a)anthracene	13.99	228	118789	4.927	ng	97
83) Chrysene	14.03	228	120172	5.221	ng	95
86) Indeno(1,2,3-cd)pyrene	16.94	276	52860	2.898	ng	94
88) Benzo(b)fluoranthene	15.04	252	144305m	5.822	ng	
89) Benzo(k)fluoranthene	15.06	252	56391m	2.375	ng	
90) Benzo(a)pyrene	15.41	252	100697	4.515	ng	99
92) Benzo(a,h,i)perylene	17.39	276	50203	2.961	ng	96

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

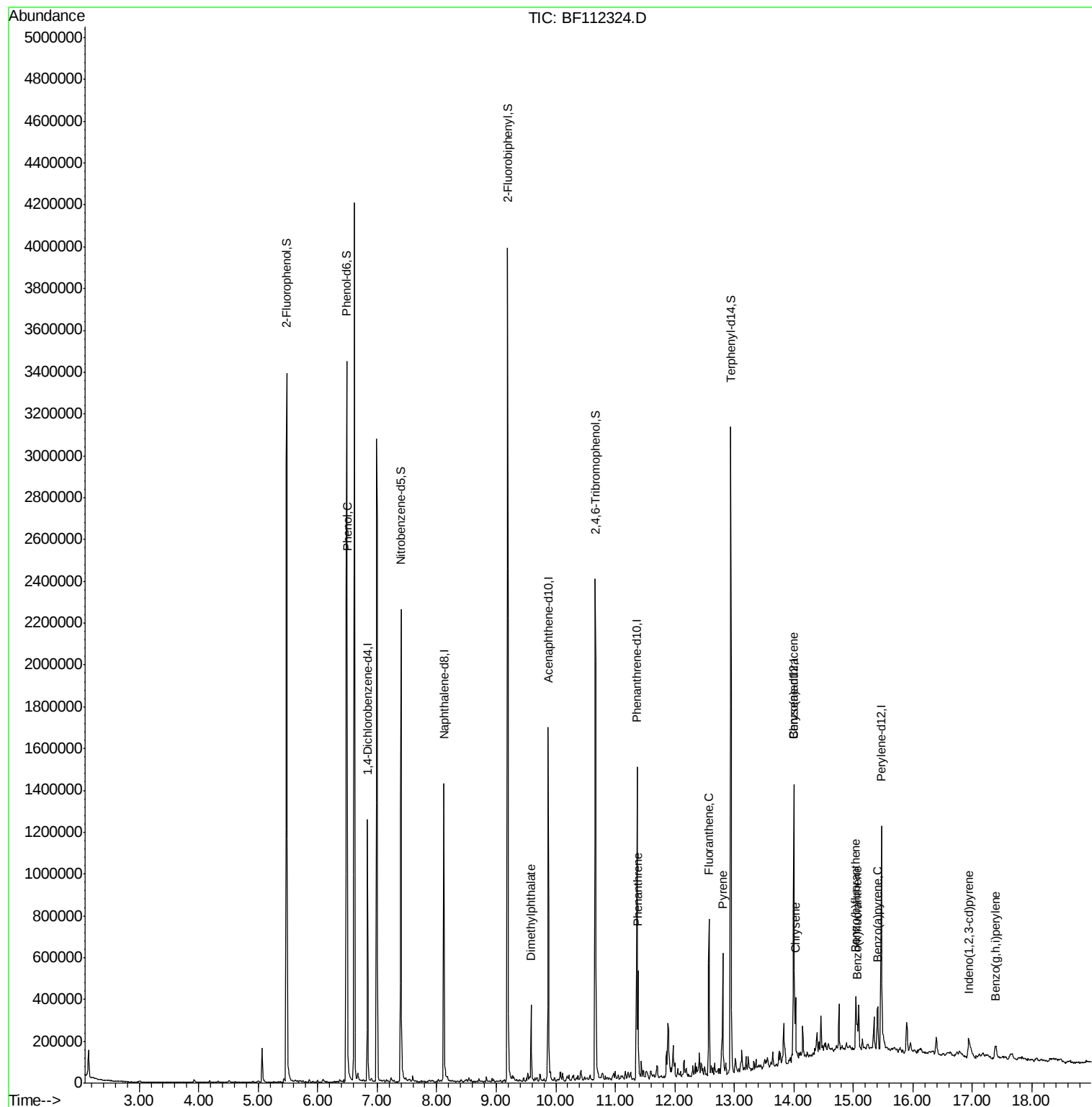
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
Data File : BF112324.D
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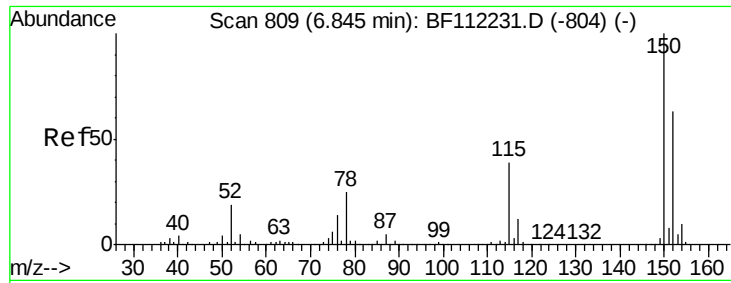
Instrument :
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#1

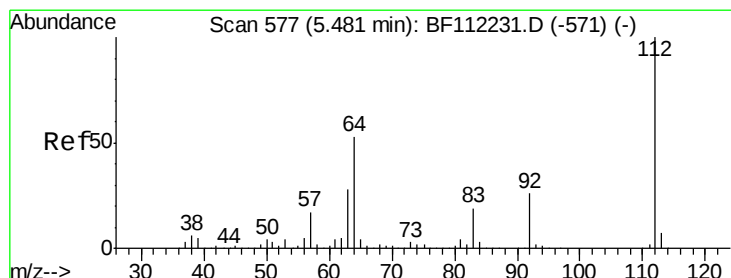
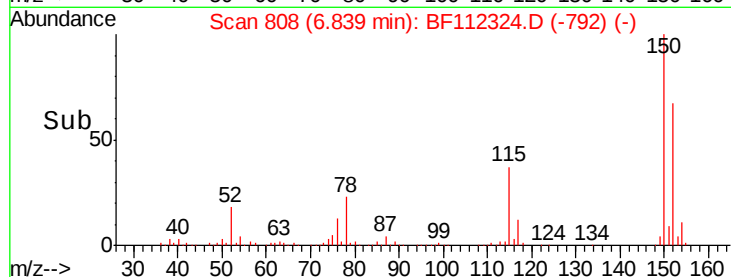
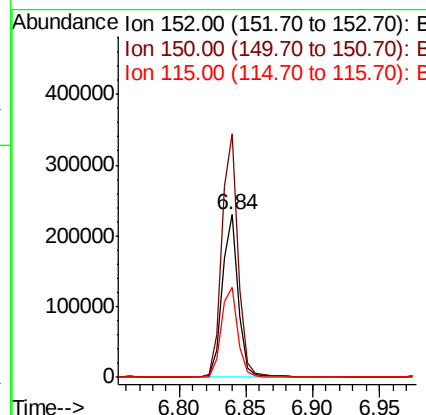
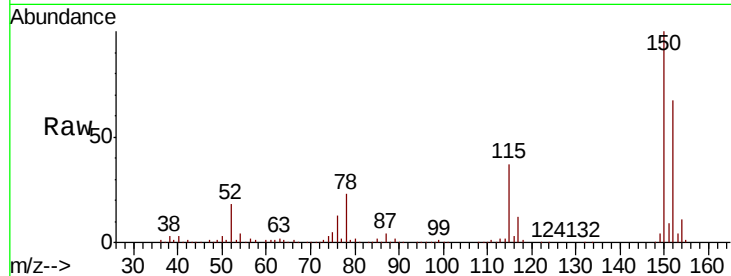
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112324.D
Acq: 30 Jan 2019 16:23

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.6	127.4	191.0
115	54.9	45.5	68.3

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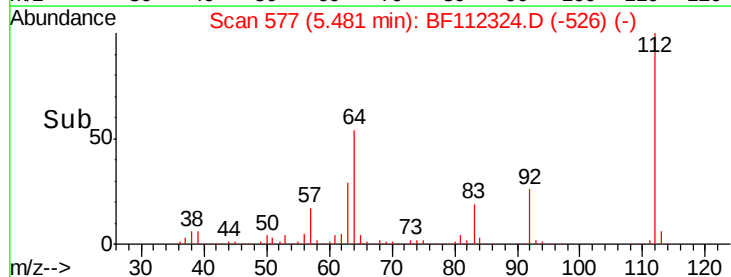
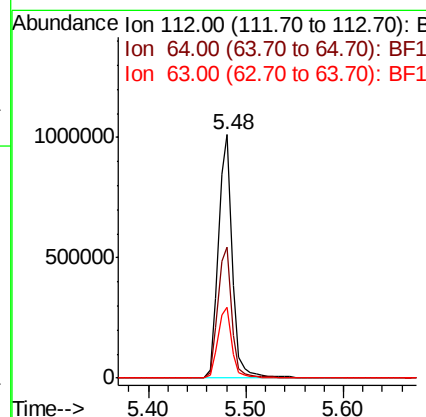
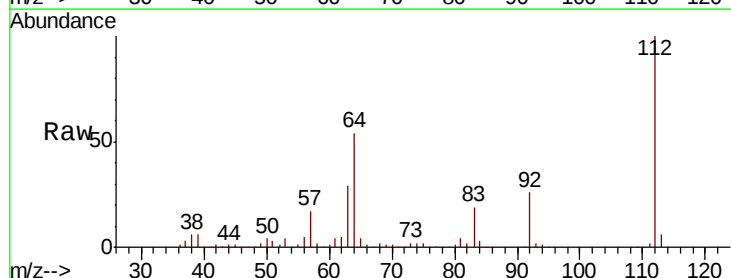
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#5

2-Fluorophenol
Concen: 109.178 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF112324.D
Acq: 30 Jan 2019 16:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	45.7	68.5
63	28.9	23.6	35.4





#7

Phenol-d6

Concen: 96.544 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112324.D

Acq: 30 Jan 2019 16:23

Instrument :

BNA_F

ClientSampleId :

TP-3

Tot Ion: 99 Resp: 1230773

Ion Ratio Lower Upper

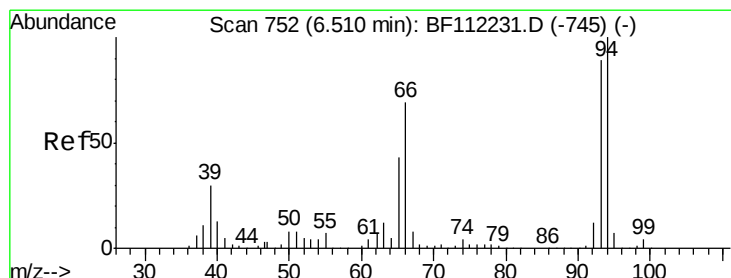
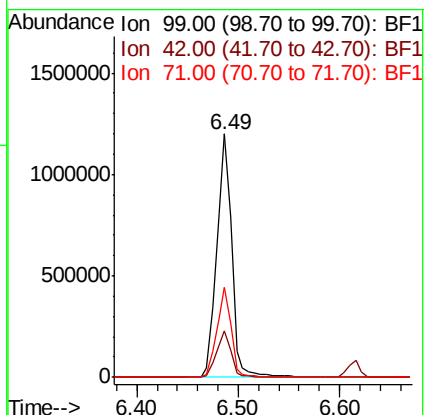
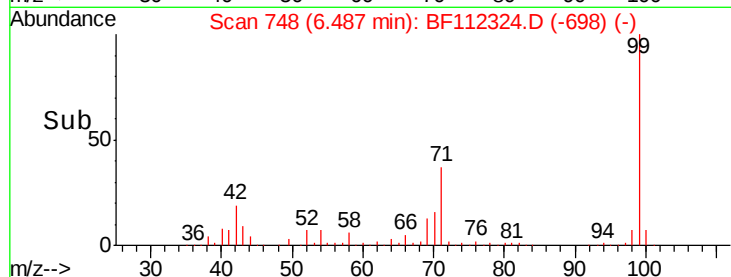
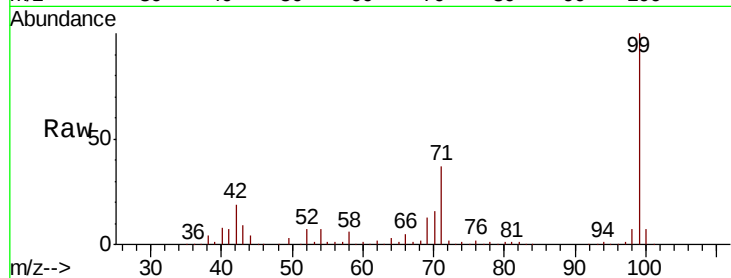
99 100

42 19.3 15.1 22.7

71 36.8 26.9 40.3

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#10

Phenol

Concen: 6.573 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112324.D

Acq: 30 Jan 2019 16:23

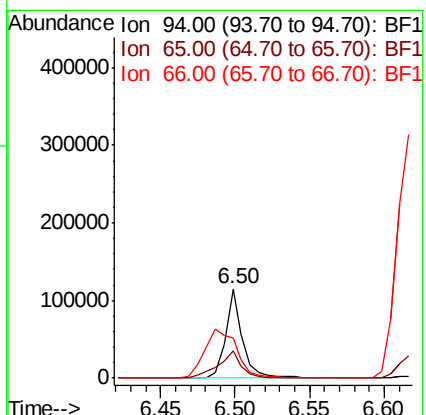
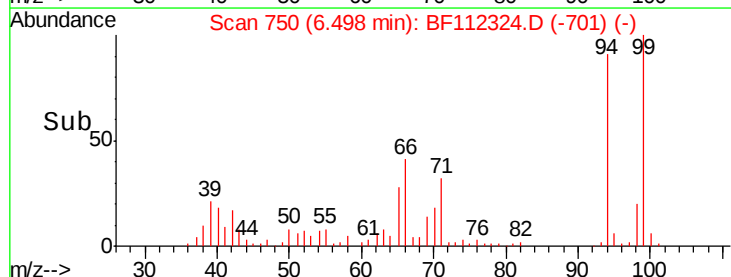
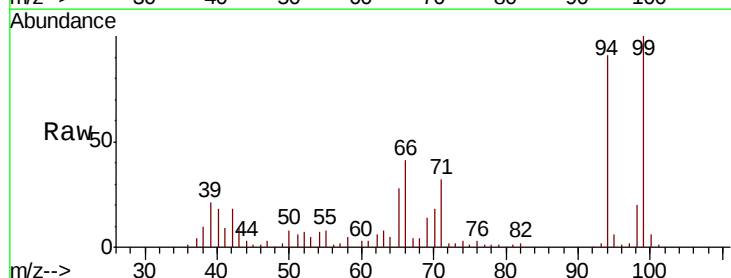
Tgt Ion: 94 Resp: 91934

Ion Ratio Lower Upper

94 100

65 30.6 20.3 60.3

66 44.7 42.4 82.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF112324.D

Acq: 30 Jan 2019 16:23

Instrument :

BNA_F

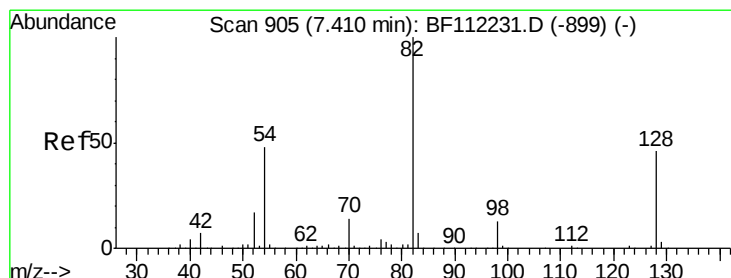
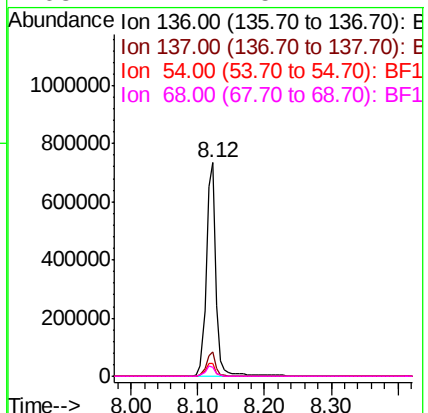
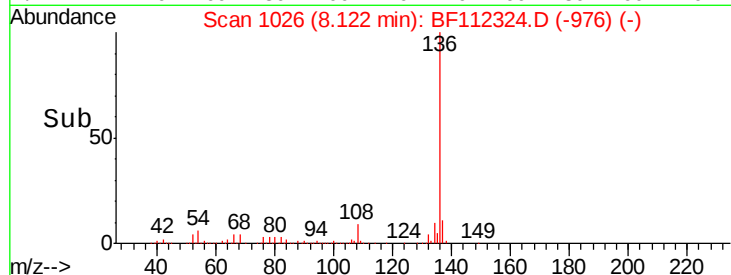
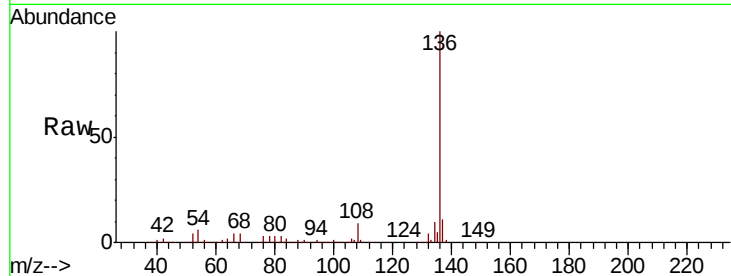
ClientSampleId :

TP-3

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	5.9	5.9	8.9#
68	4.4	5.1	7.7#

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#23

Nitrobenzene-d5

Concen: 61.198 ng

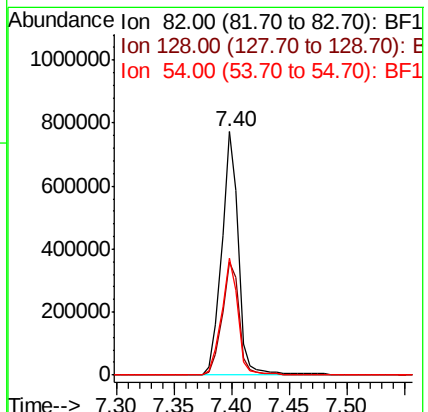
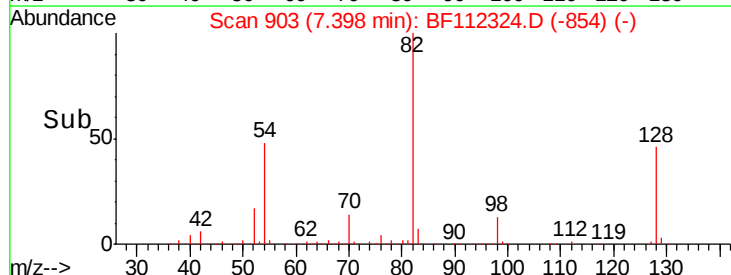
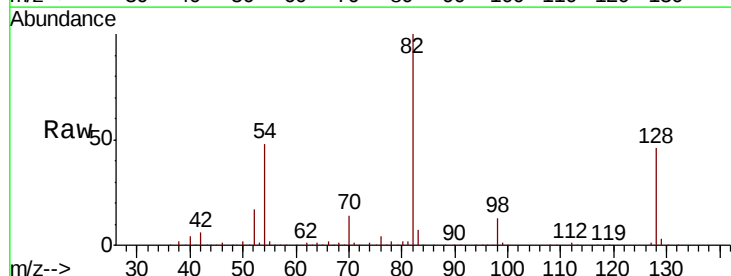
RT: 7.40 min Scan# 903

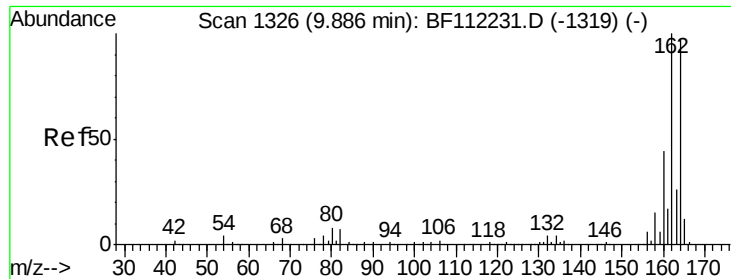
Delta R.T. -0.01 min

Lab File: BF112324.D

Acq: 30 Jan 2019 16:23

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.8	56.8
54	48.2	39.7	59.5





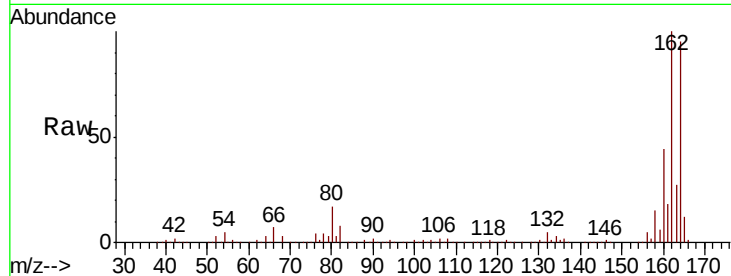
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112324.D
Acq: 30 Jan 2019 16:23

Instrument :
BNA_F
ClientSampled :
TP-3

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.3	82.2	123.4	
160	46.8	36.2	54.4	

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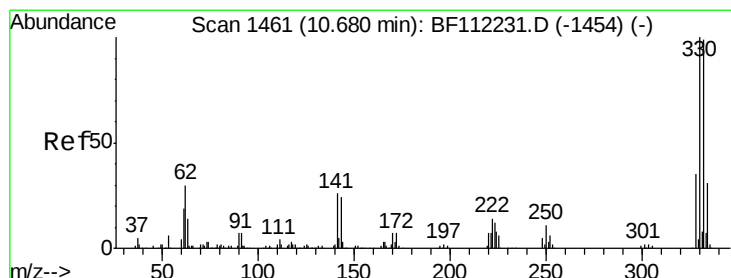
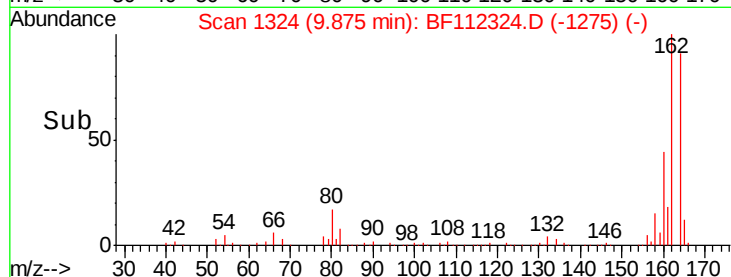
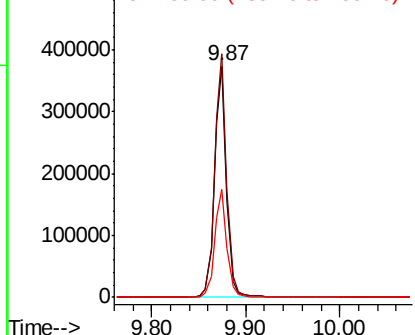


Abundance

Ion 164.00 (163.70 to 164.70): E

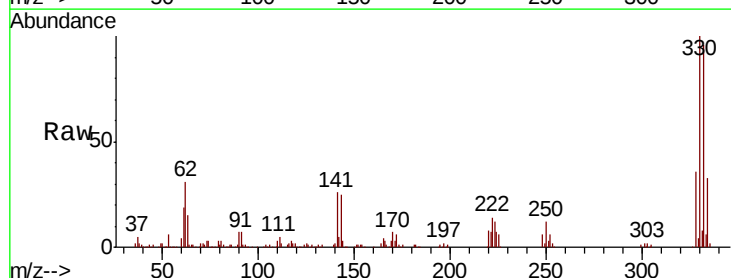
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 82.397 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF112324.D
Acq: 30 Jan 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.7	76.6	114.8	
141	33.3	24.3	36.5	

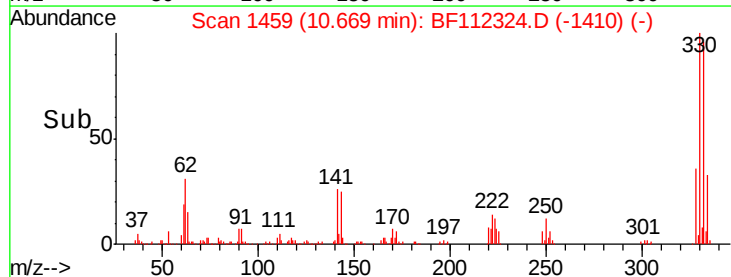
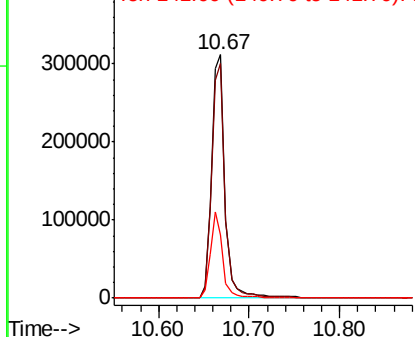


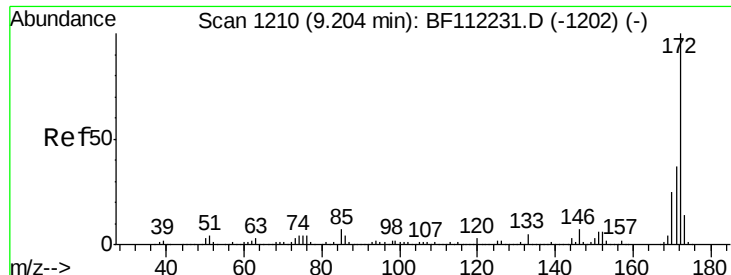
Abundance

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





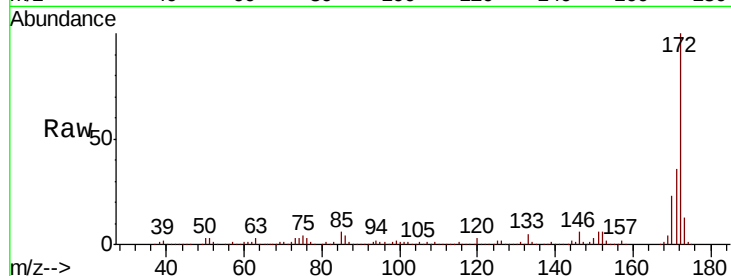
#45
2-Fluorobiphenyl
Concen: 52.690 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF112324.D
Acq: 30 Jan 2019 16:23

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.5	45.7
170	23.4	20.2	30.4

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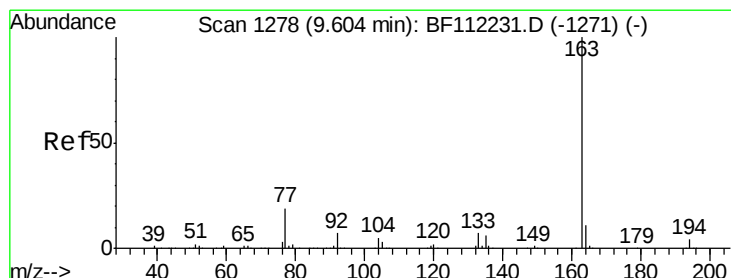
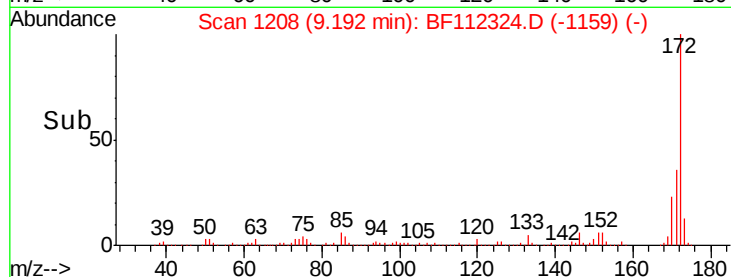
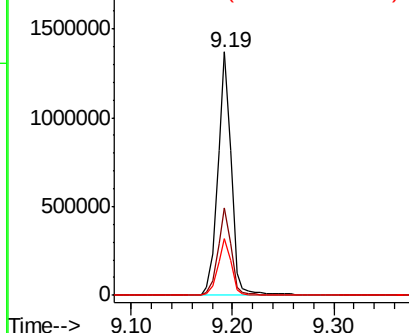


Abundance

Ion 172.00 (171.70 to 172.70): E

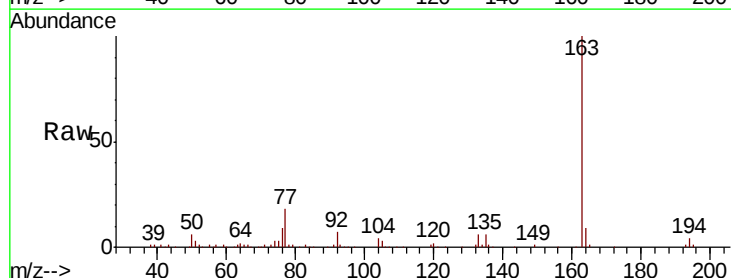
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 5.922 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF112324.D
Acq: 30 Jan 2019 16:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.3	4.9
164	9.2	8.5	12.7

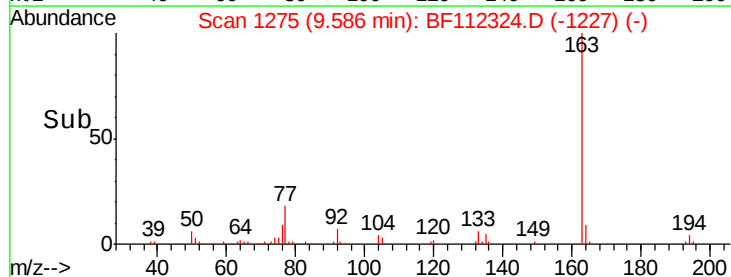
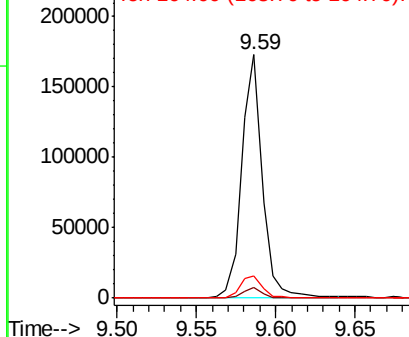


Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF112324.D

Acq: 30 Jan 2019 16:23

Instrument :

BNA_F

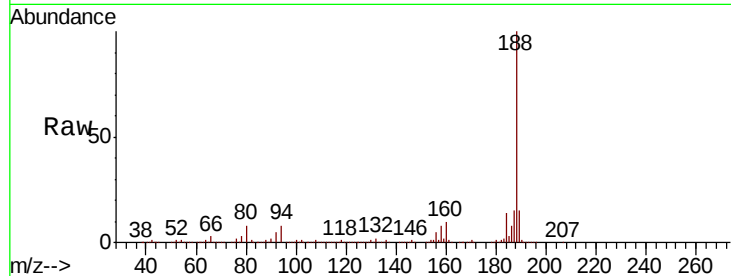
ClientSampleId :

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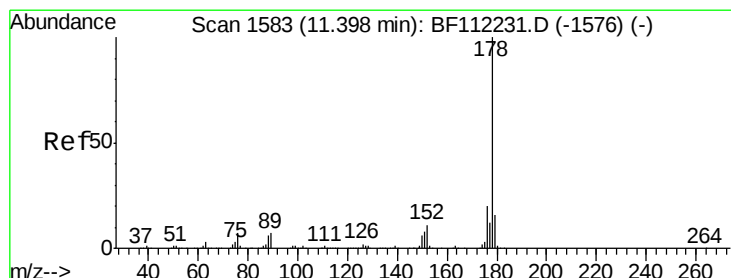
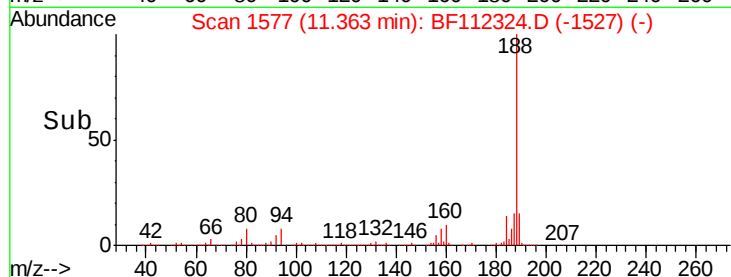
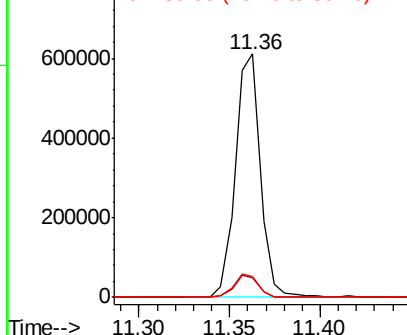
Tot Ion:	188	Resp:	587168
Ion Ratio	Lower	Upper	
188	100		
94	8.0	8.2	12.2#
80	8.4	8.9	13.3#

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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: 6.516 ng

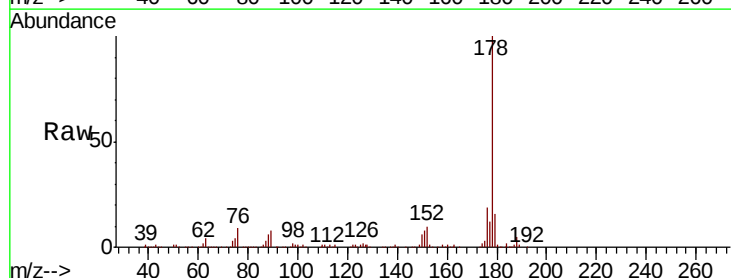
RT: 11.38 min Scan# 1580

Delta R.T. -0.02 min

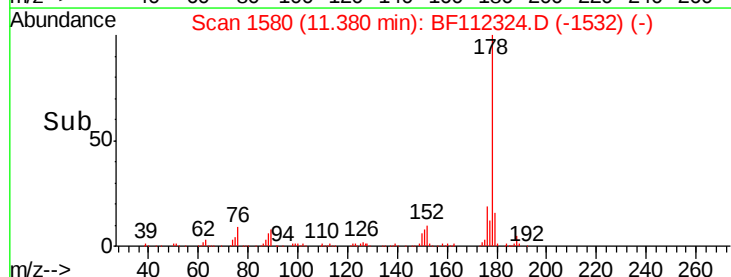
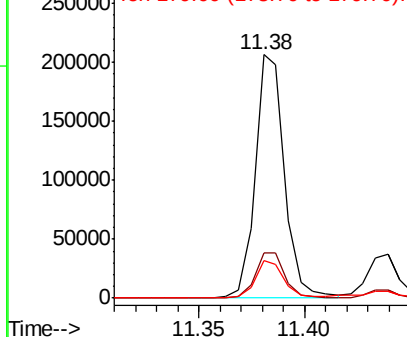
Lab File: BF112324.D

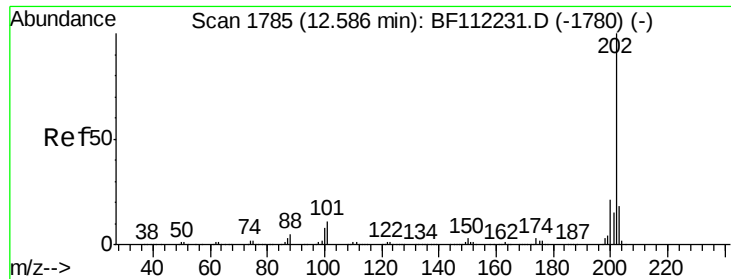
Acq: 30 Jan 2019 16:23

Tgt Ion:	178	Resp:	198922
Ion Ratio	Lower	Upper	
178	100		
176	18.5	16.3	24.5
179	15.5	13.0	19.4



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 8.402 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112324.D

Acq: 30 Jan 2019 16:23

Instrument :

BNA_F

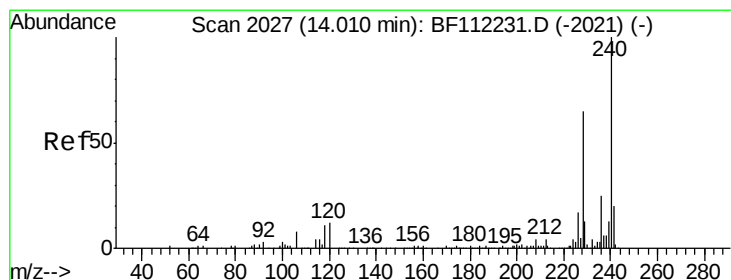
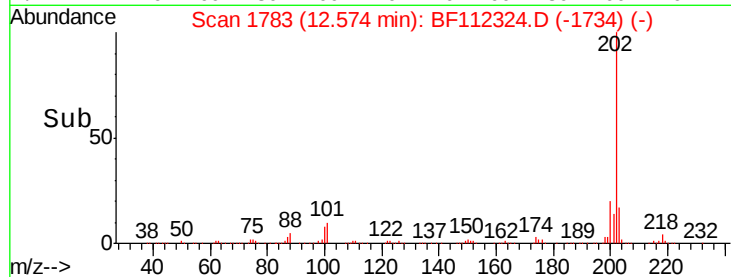
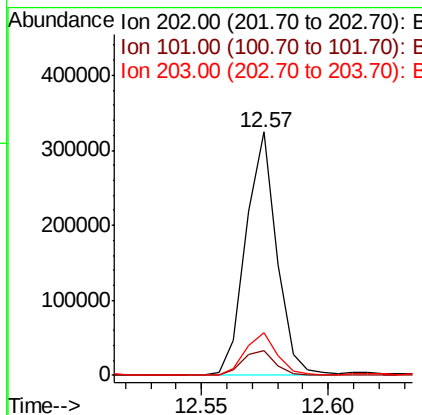
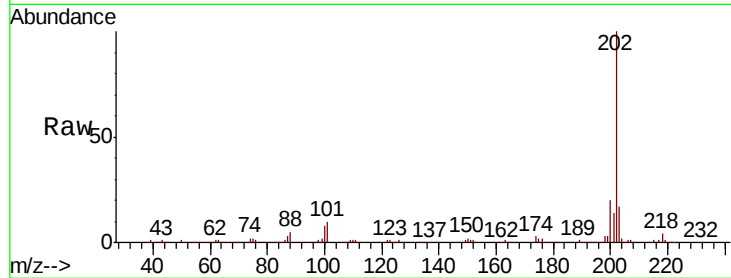
ClientSampleId :

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Tot Ion:	202	Resp:	275073
Ion Ratio	Lower	Upper	
202	100		
101	10.0	0.0	31.8
203	17.3	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

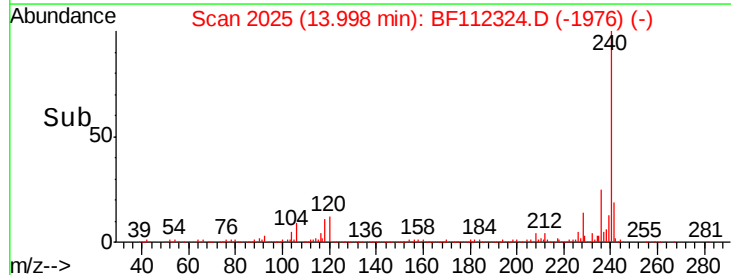
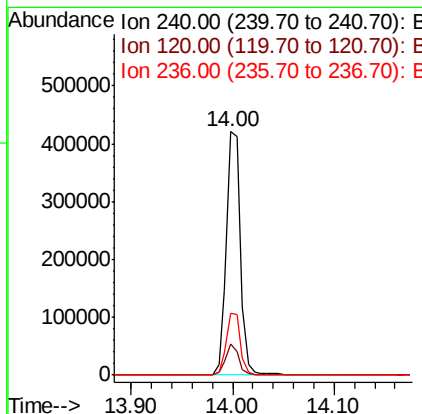
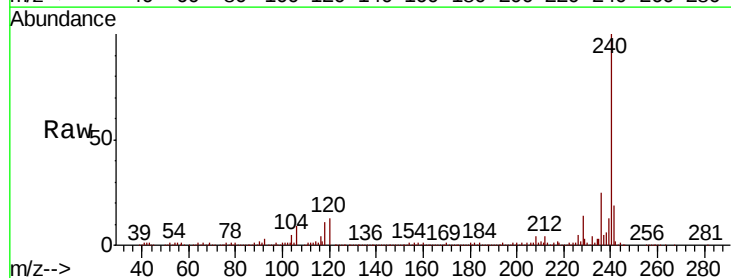
RT: 14.00 min Scan# 2025

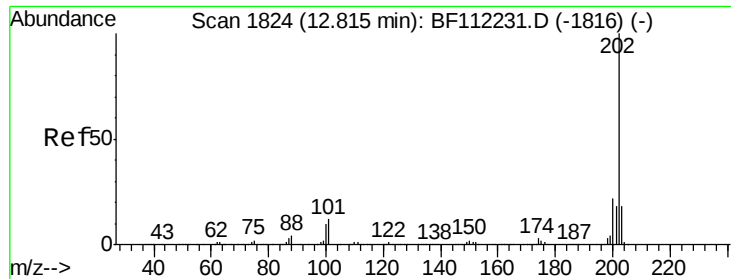
Delta R.T. -0.01 min

Lab File: BF112324.D

Acq: 30 Jan 2019 16:23

Tgt Ion:	240	Resp:	410169
Ion Ratio	Lower	Upper	
240	100		
120	12.6	9.0	13.6
236	25.4	20.7	31.1





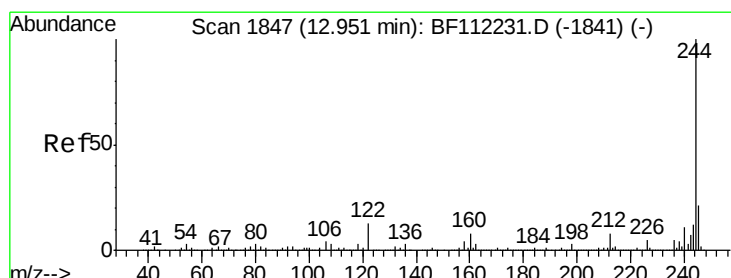
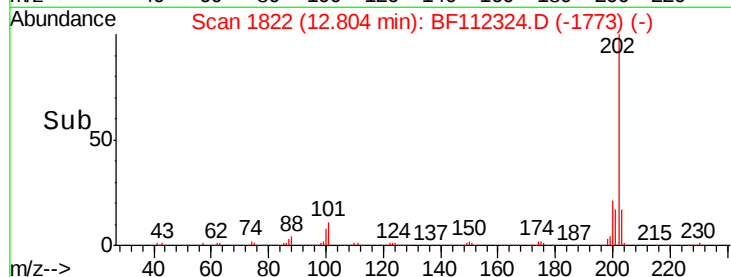
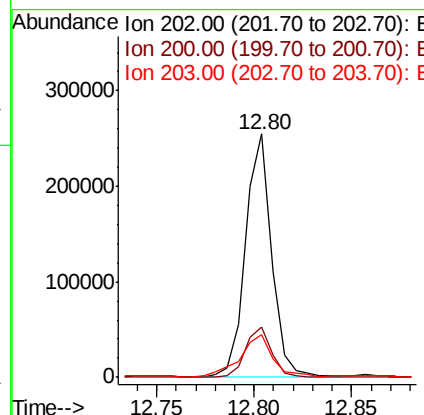
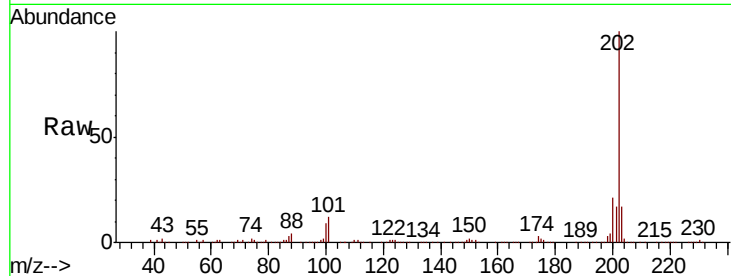
#78
Pvrene
Concen: 8.320 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112324.D
Acq: 30 Jan 2019 16:23

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.7	26.5
203	17.5	14.6	22.0

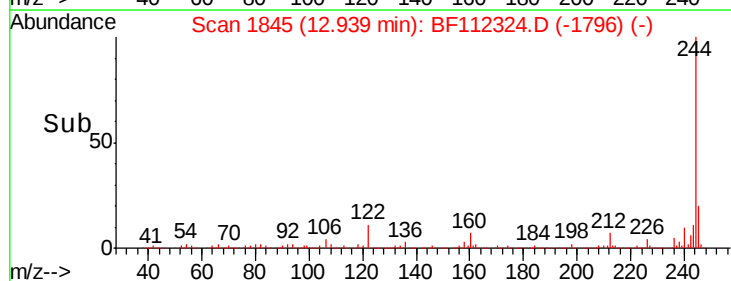
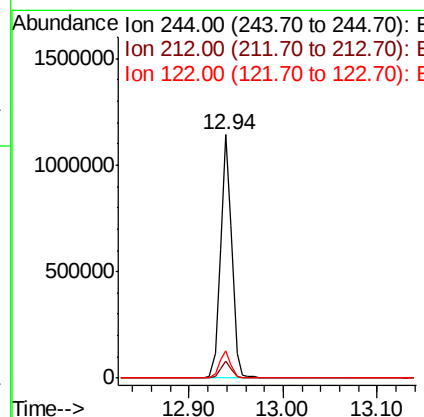
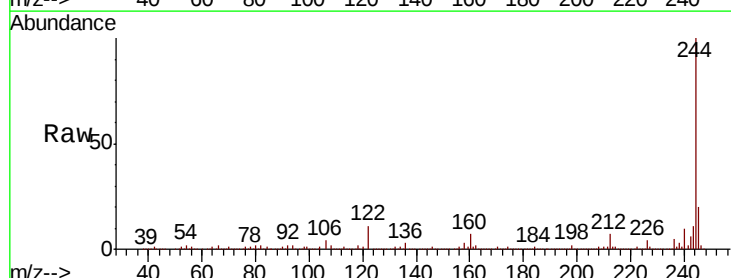
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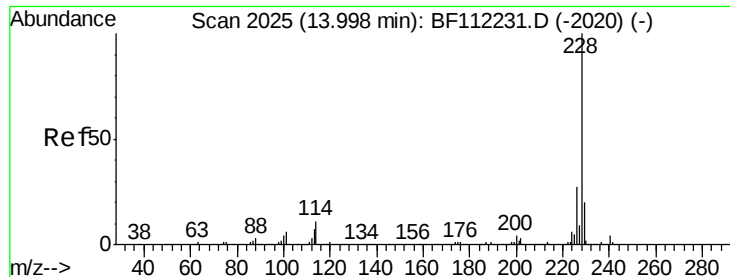
mohammad
2/1/2019 12:06:16 AM



#79
Terphenyl-d14
Concen: 44.679 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF112324.D
Acq: 30 Jan 2019 16:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.9	8.9
122	11.0	9.8	14.6





#81

Benzo(a)anthracene

Concen: 4.927 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112324.D

Acq: 30 Jan 2019 16:23

Instrument :

BNA_F

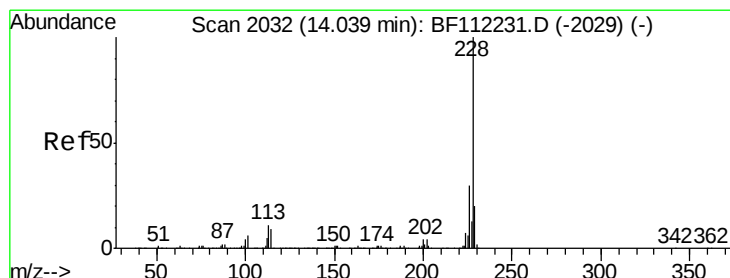
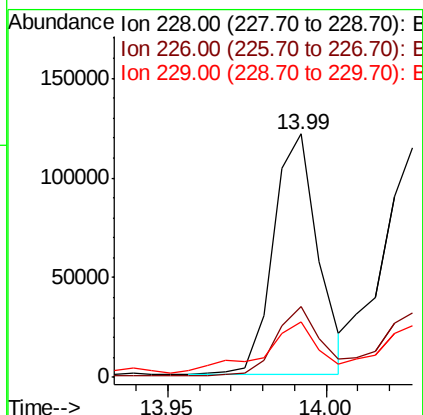
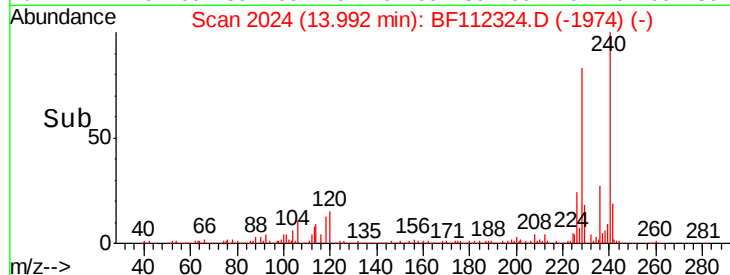
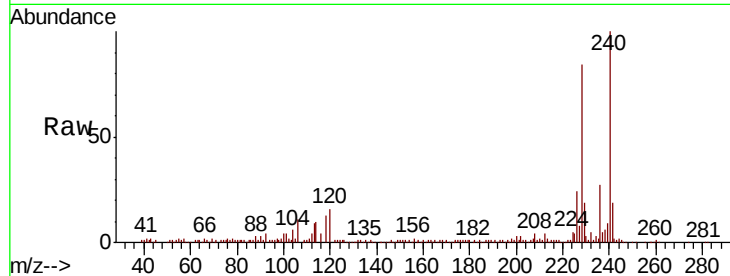
ClientSampleId :

TP-3

Tot Ion:	228	Resp:	118789
Ion Ratio	Lower	Upper	
228	100		
226	29.0	22.6	34.0
229	22.9	16.5	24.7

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#83

Chrysene

Concen: 5.221 ng

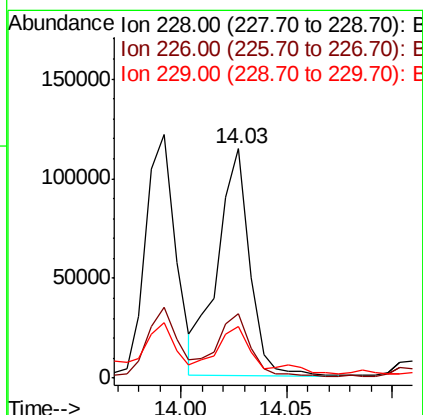
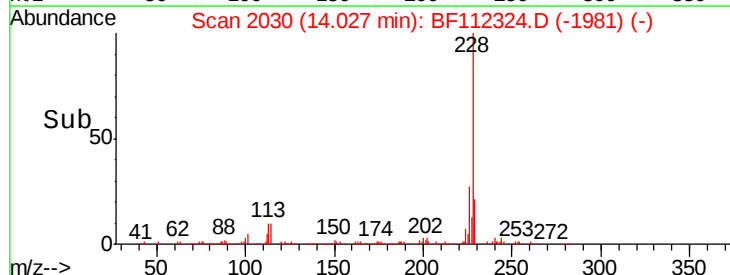
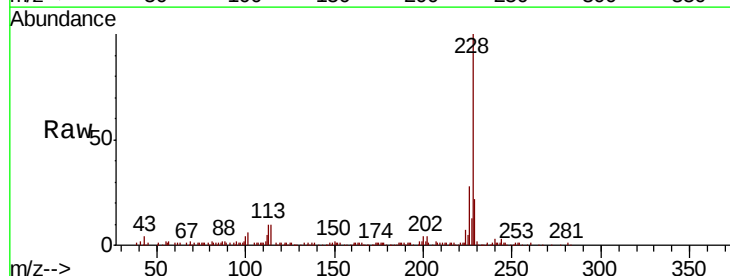
RT: 14.03 min Scan# 2030

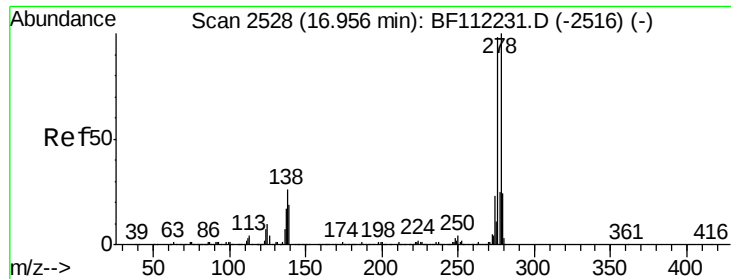
Delta R.T. -0.01 min

Lab File: BF112324.D

Acq: 30 Jan 2019 16:23

Tgt Ion:	228	Resp:	120172
Ion Ratio	Lower	Upper	
228	100		
226	27.9	25.0	37.6
229	22.4	16.6	24.8





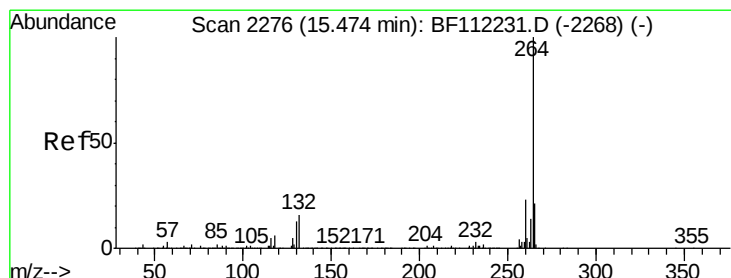
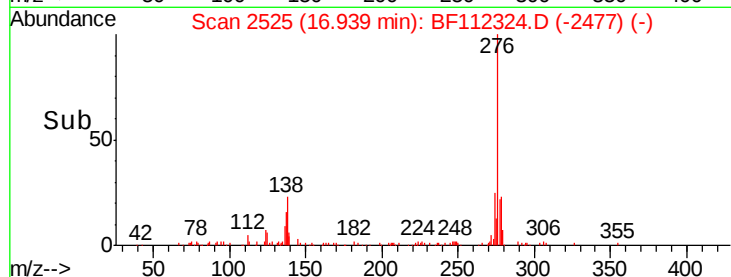
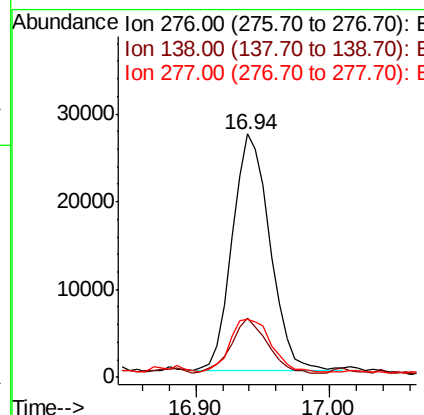
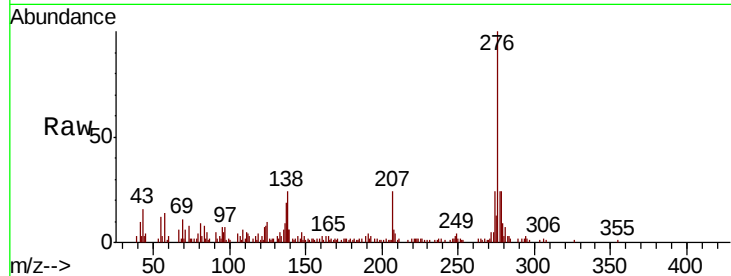
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.898 ng
 RT: 16.94 min Scan# 2525
 Delta R.T. -0.02 min
 Lab File: BF112324.D
 Acq: 30 Jan 2019 16:23

Instrument :
 BNA_F
 ClientSampled :
 TP-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.7	22.6	34.0
277	24.7	20.3	30.5

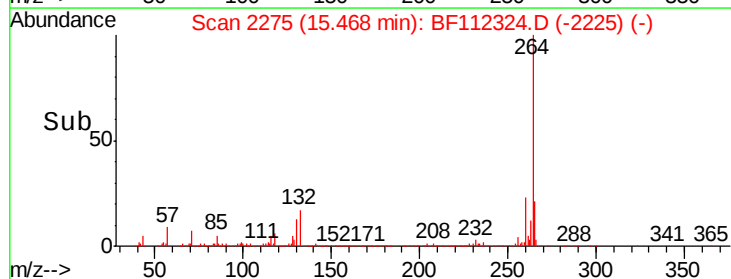
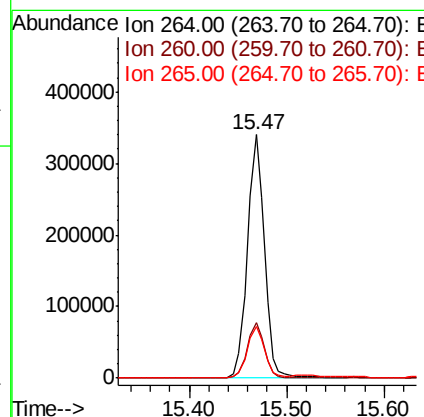
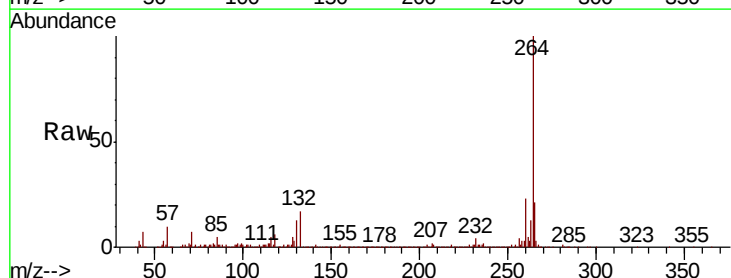
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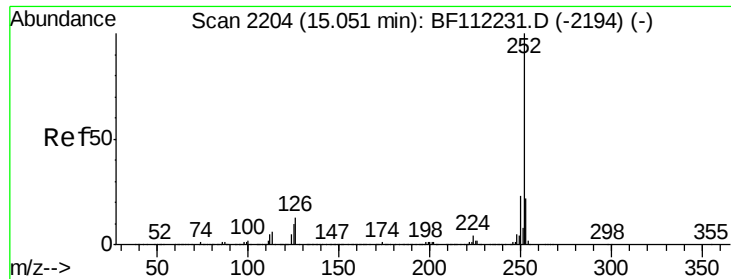
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF112324.D
 Acq: 30 Jan 2019 16:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.2	27.2
265	21.5	17.0	25.4





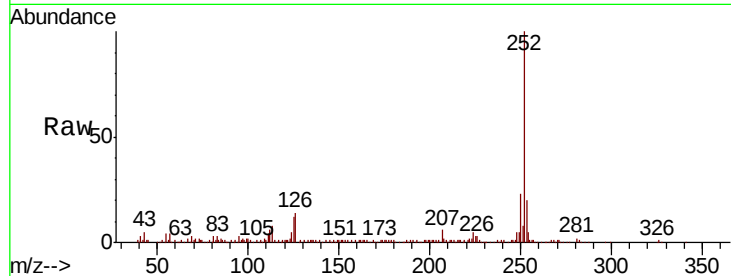
#88
Benzo(b)fluoranthene
Concen: 5.822 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF112324.D
Acq: 30 Jan 2019 16:23

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.3	18.0	27.0
125	11.6	8.7	13.1

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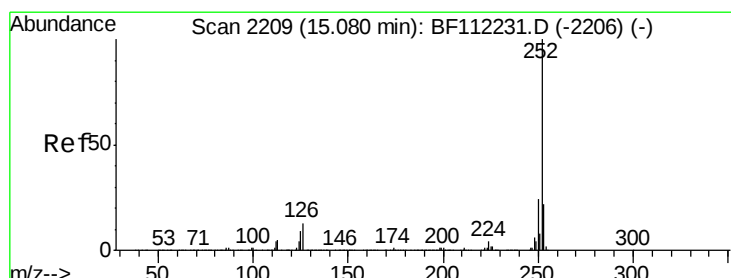
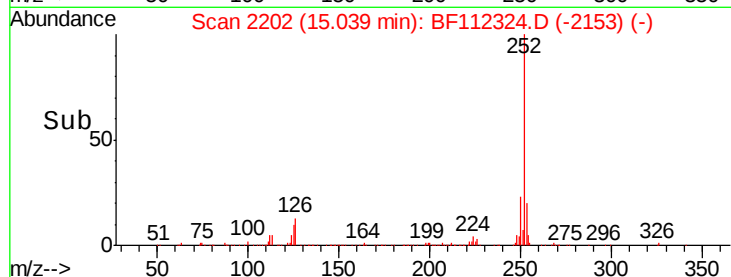
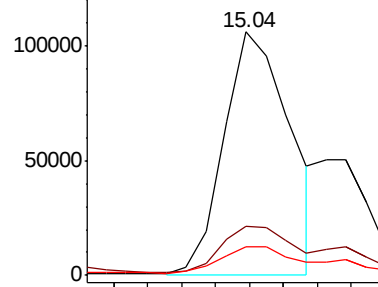


Abundance

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



#89
Benzo(k)fluoranthene
Concen: 2.375 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF112324.D
Acq: 30 Jan 2019 16:23

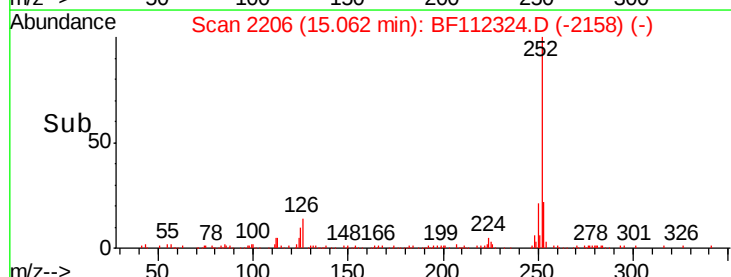
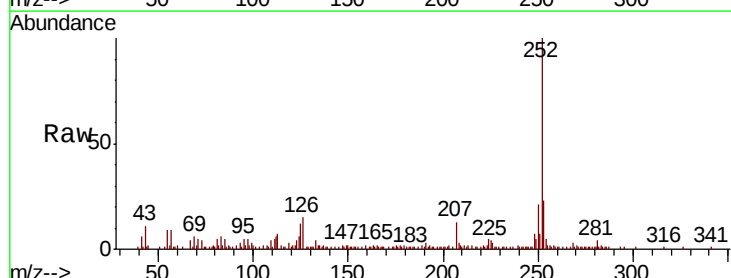
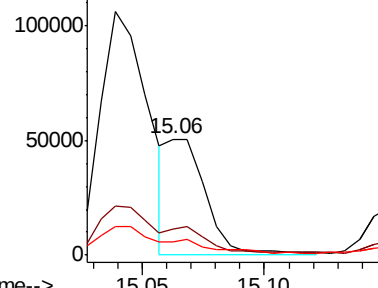
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	11.8	9.1	13.7

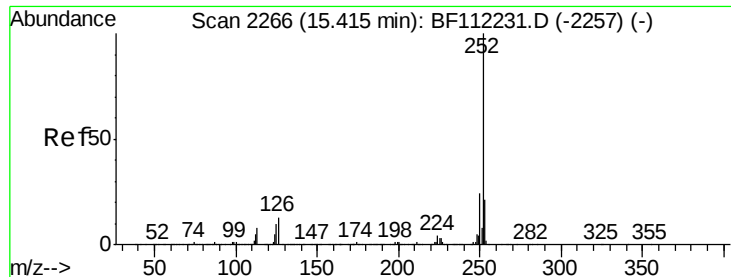
Abundance

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





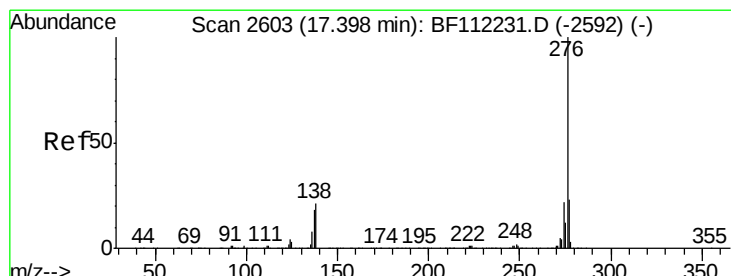
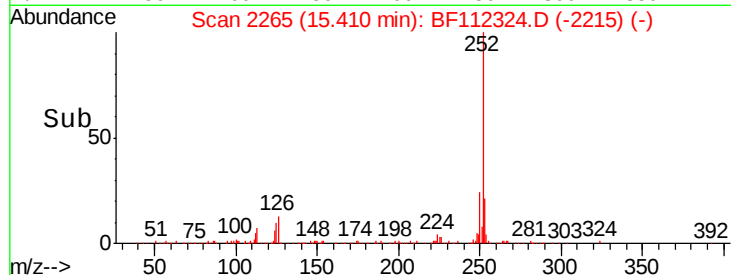
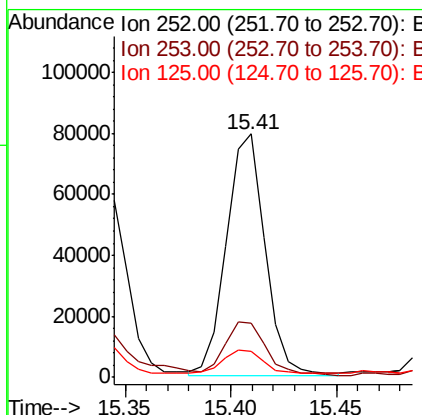
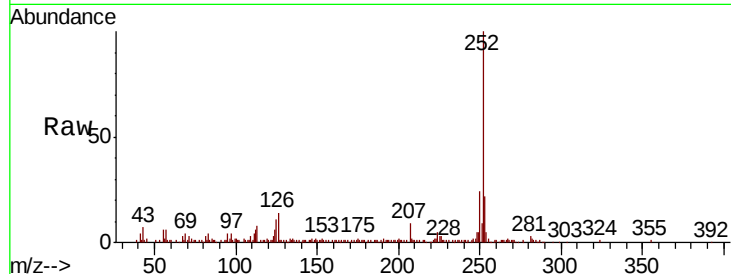
#90
Benzo(a)pyrene
Concen: 4.515 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112324.D
Acq: 30 Jan 2019 16:23

Instrument :
BNA_F
ClientSampled :
TP-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	10.8	9.0	13.4

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#92
Benzo(g,h,i)perylene
Concen: 2.961 ng
RT: 17.39 min Scan# 2601
Delta R.T. -0.01 min
Lab File: BF112324.D
Acq: 30 Jan 2019 16:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.2	19.4	29.0
138	24.3	19.1	28.7

