

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011419\
 Data File : BF112048.D
 Acq On : 14 Jan 2019 14:09
 Operator : JU/SJ
 Sample : K1126-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-3451

Manual Integrations
 APPROVED

Sohil
 1/15/2019 12:19:15 PM

Quant Time: Jan 14 16:06:46 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	133305	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	505077	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	257747	20.00	ng	-0.01
64) Phenanthrene-d10	11.39	188	561946	20.00	ng	0.00
76) Chrysene-d12	14.03	240	366260	20.00	ng	-0.01
87) Perylene-d12	15.52	264	426376	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	761577	97.74	ng	0.00
7) Phenol-d6	6.52	99	1236053	123.08	ng	0.00
23) Nitrobenzene-d5	7.43	82	603559	63.87	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	324602	96.82	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1188314	67.23	ng	0.00
79) Terphenyl-d14	12.98	244	1435515	74.40	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	24270	2.223	ng	92
50) Dimethylphthalate	9.62	163	347355	17.940	ng	98
75) Fluoranthene	12.61	202	231382	7.502	ng	99
78) Pyrene	12.83	202	203642	8.081	ng	97
81) Benzo(a)anthracene	14.02	228	81168	3.851	ng	98
83) Chrysene	14.06	228	96911	4.822	ng	96
84) Bis(2-ethylhexyl)phthalate	14.00	149	107384	7.675	ng	98
86) Indeno(1,2,3-cd)pyrene	16.99	276	37616	2.567	ng	97
88) Benzo(b)fluoranthene	15.08	252	163083m	6.394	ng	
90) Benzo(a)pyrene	15.44	252	79623	3.550	ng	# 95
92) Benzo(a,h,i)perylene	17.44	276	35860	2.033	ng	95

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

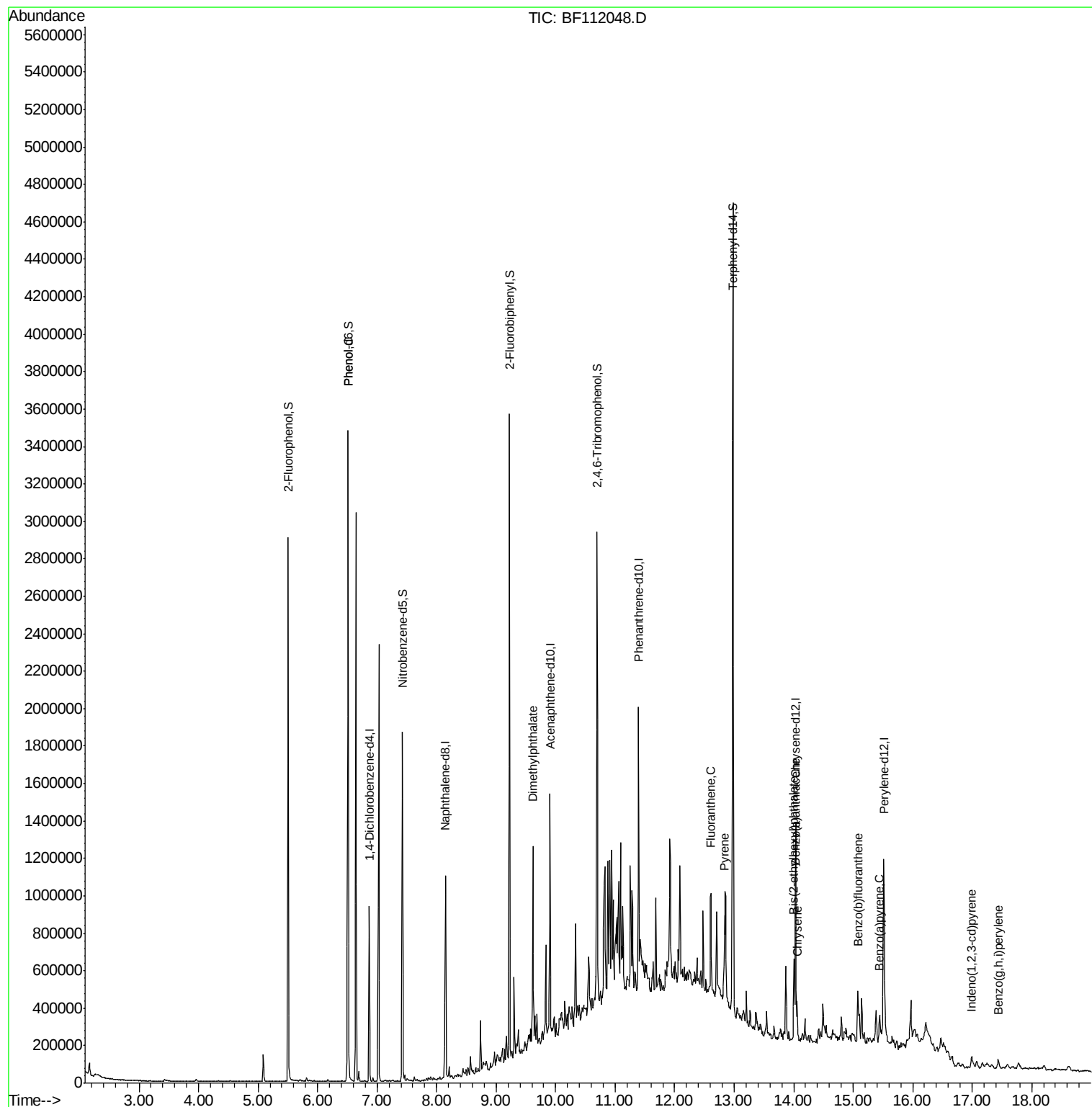
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011419\
Data File : BF112048.D
Acq On : 14 Jan 2019 14:09
Operator : JU/SJ
Sample : K1126-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

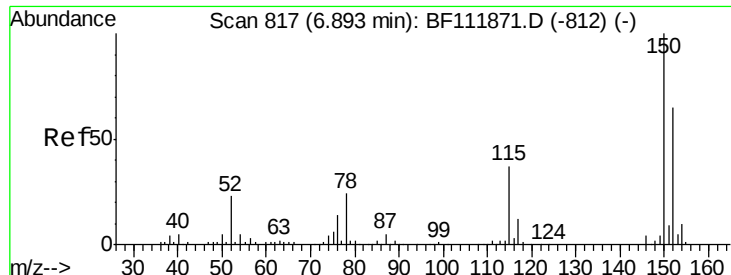
Instrument :
BNA_F
ClientSampleId :
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#1

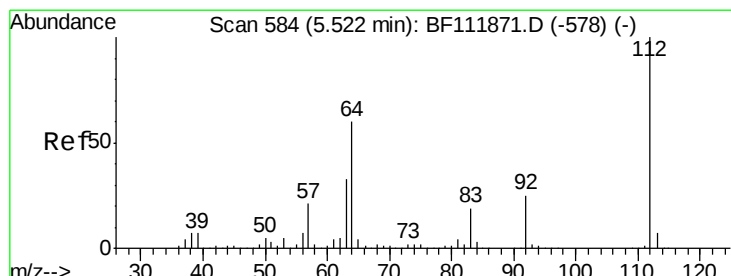
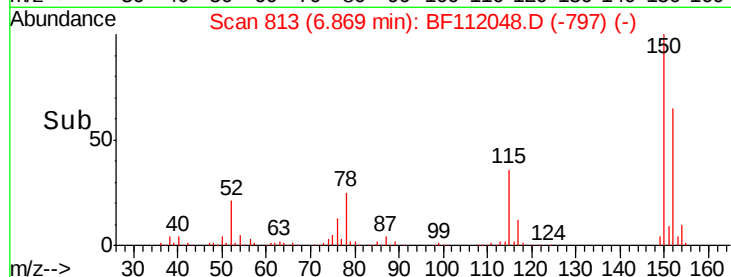
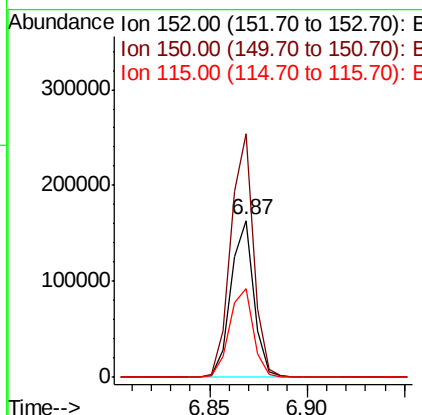
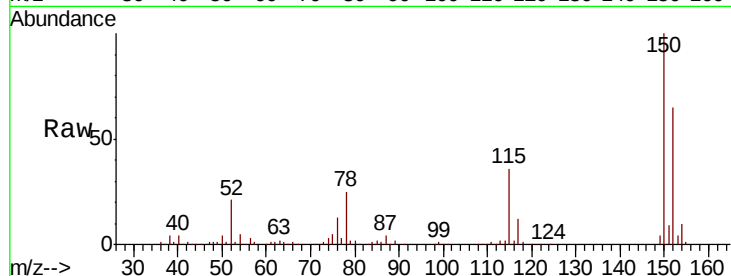
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF112048.D
Acq: 14 Jan 2019 14:09

Instrument :
BNA_F
ClientSampleId :
RT-3451

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	122.7	184.1
115	56.1	45.2	67.8

Manual Integrations
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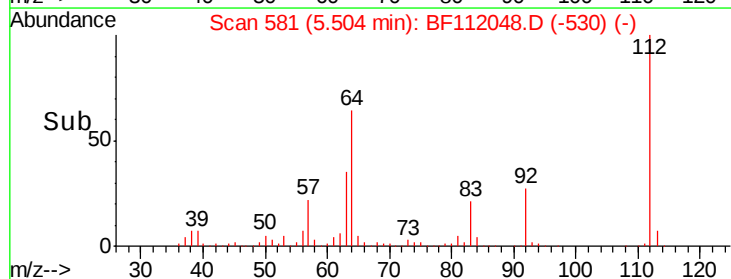
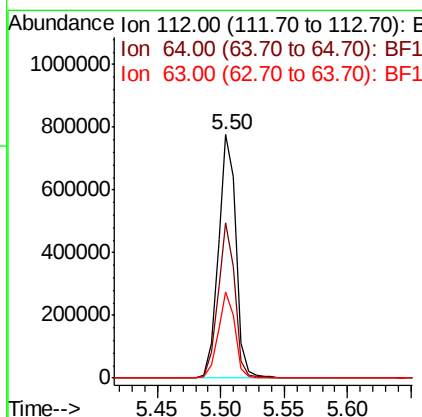
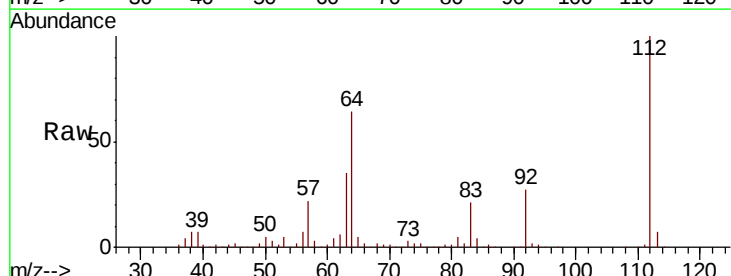
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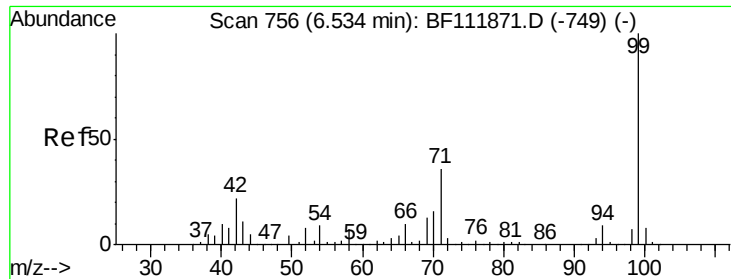


#5

2-Fluorophenol
Concen: 97.740 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.00 min
Lab File: BF112048.D
Acq: 14 Jan 2019 14:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.6	48.3	72.5
63	35.2	26.1	39.1





#7

Phenol-d6

Concen: 123.078 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF112048.D

Acq: 14 Jan 2019 14:09

Instrument :

BNA_F

ClientSampled :

RT-3451

Tot Ion: 99 Resp: 1236053

Ion Ratio Lower Upper

99 100

42 20.0 17.9 26.9

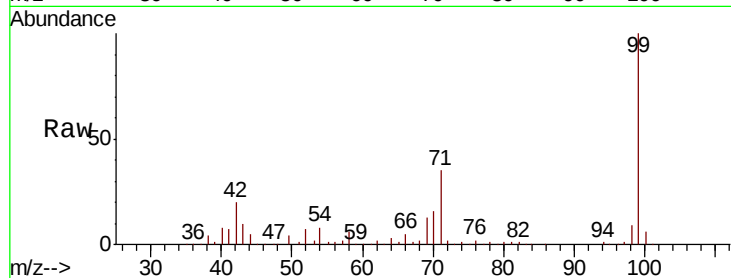
71 34.6 28.7 43.1

Manual Integrations

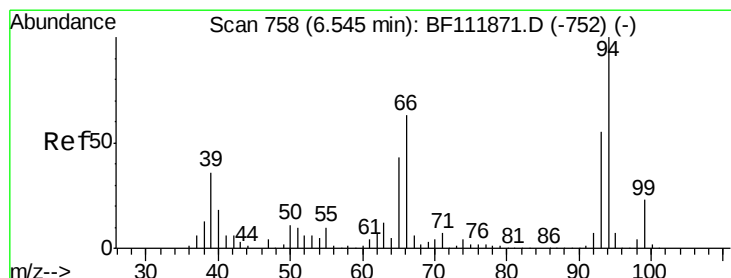
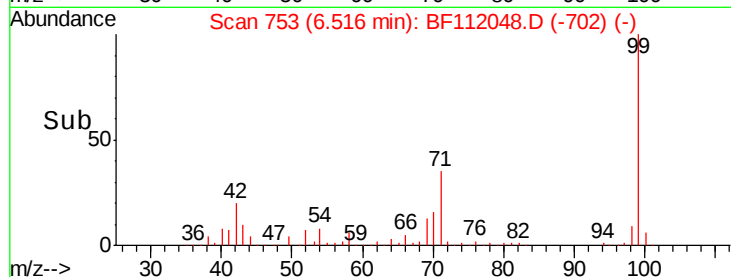
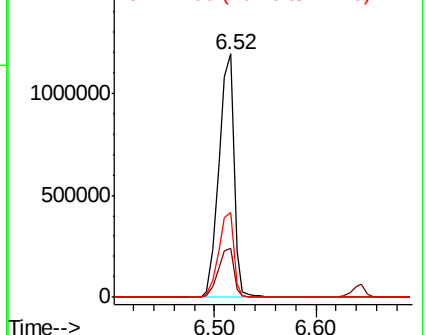
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.223 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF112048.D

Acq: 14 Jan 2019 14:09

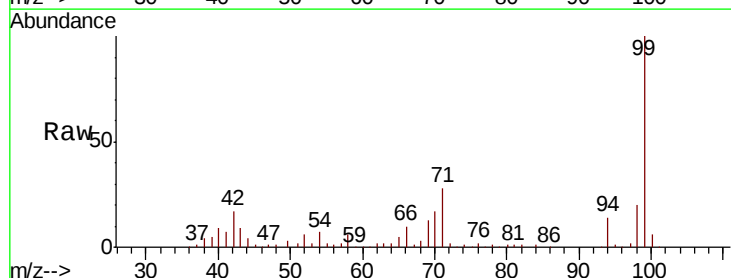
Tgt Ion: 94 Resp: 24270

Ion Ratio Lower Upper

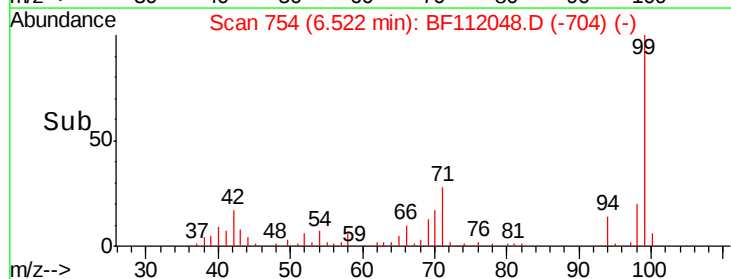
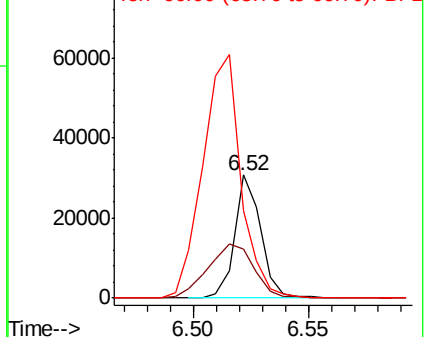
94 100

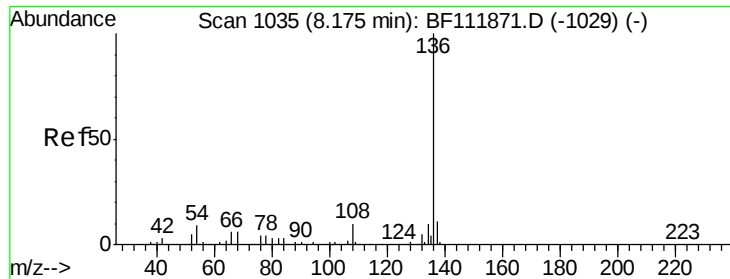
65 39.6 22.8 62.8

66 71.3 43.3 83.3



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





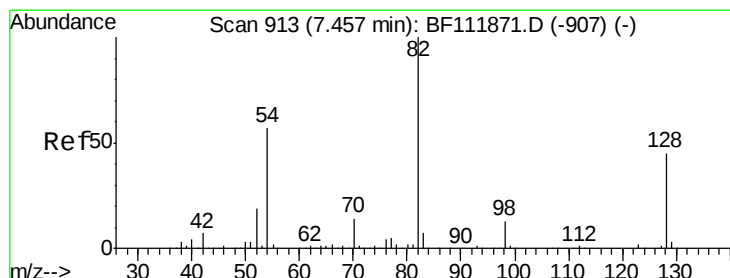
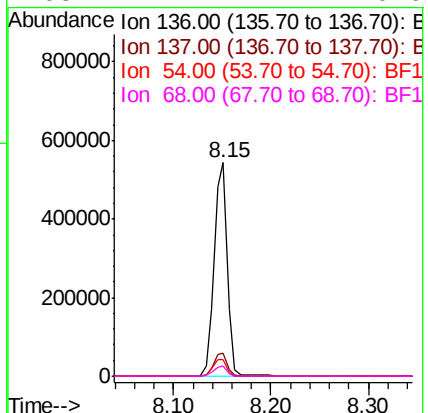
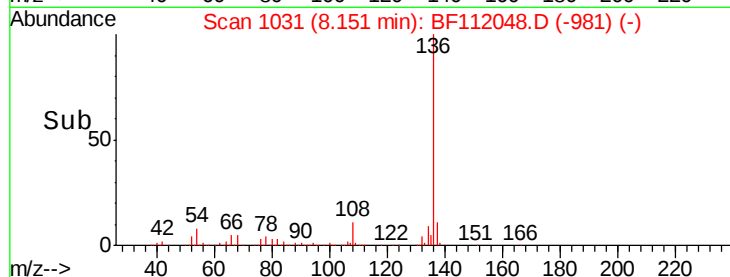
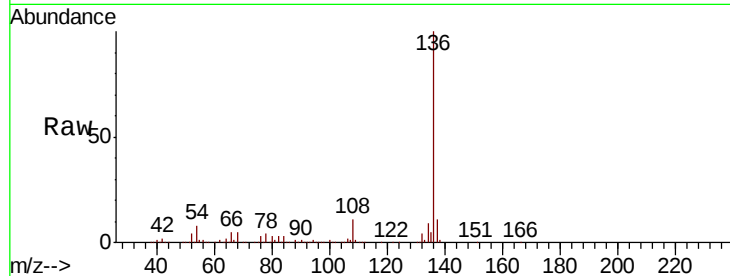
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF112048.D
Acq: 14 Jan 2019 14:09

Instrument :
BNA_F
ClientSampleId :
RT-3451

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	9.1	13.7	
54	7.9	7.2	10.8	
68	4.7	4.4	6.6	

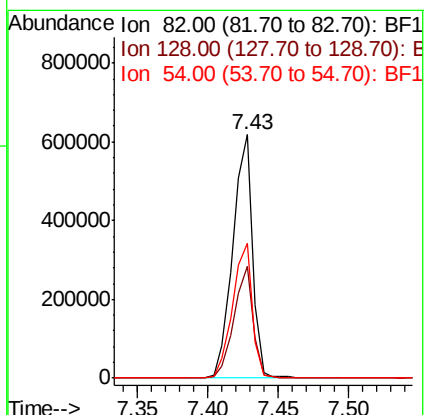
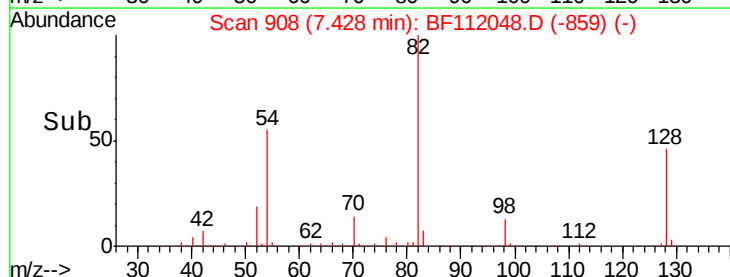
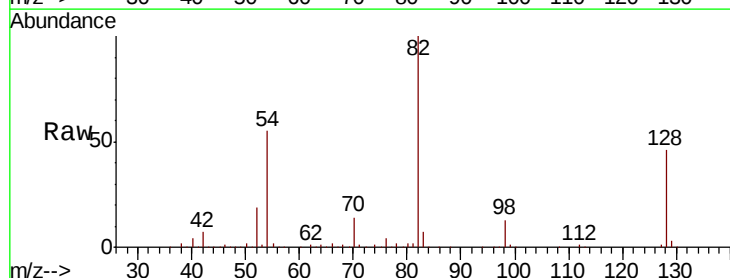
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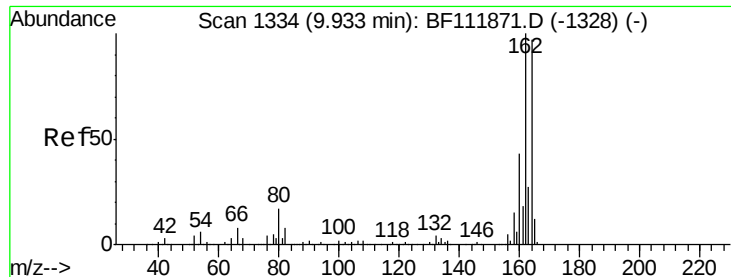
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#23
Nitrobenzene-d5
Concen: 63.866 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF112048.D
Acq: 14 Jan 2019 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.8	35.7	53.5	
54	55.2	45.8	68.8	





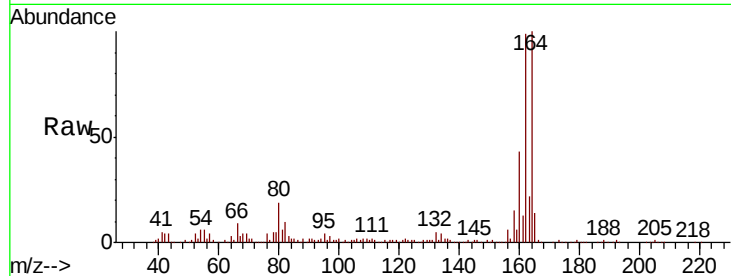
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF112048.D
Acq: 14 Jan 2019 14:09

Instrument :
BNA_F
ClientSampleId :
RT-3451

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.0	82.2	123.2
160	43.4	35.5	53.3

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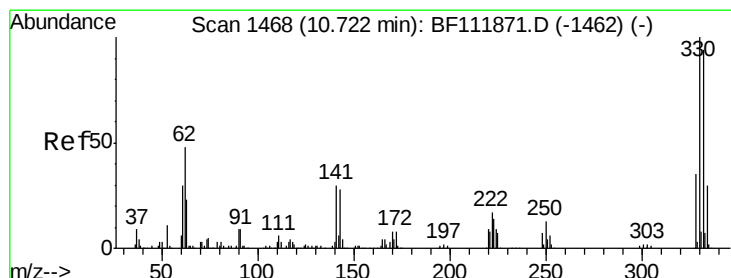
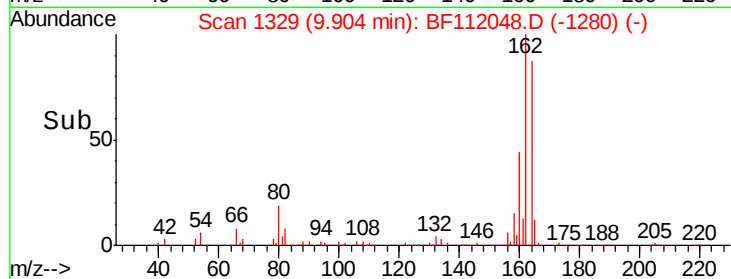
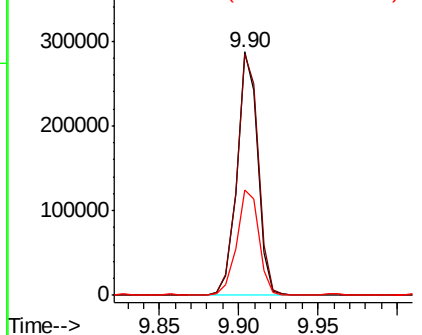


Abundance

Ion 164.00 (163.70 to 164.70): E

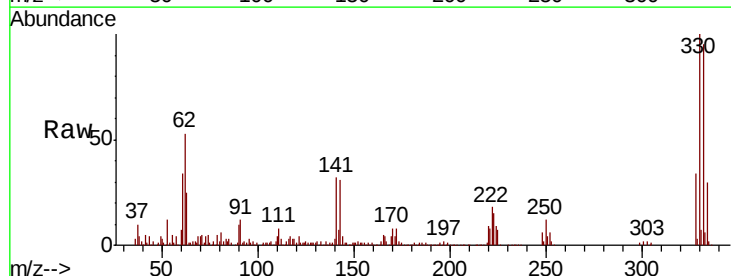
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 96.824 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.01 min
Lab File: BF112048.D
Acq: 14 Jan 2019 14:09

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.9	115.3
141	29.7	23.7	35.5

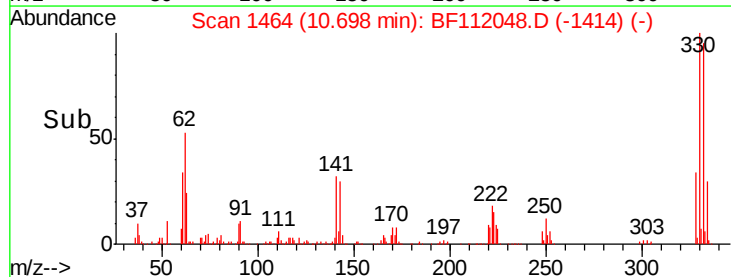
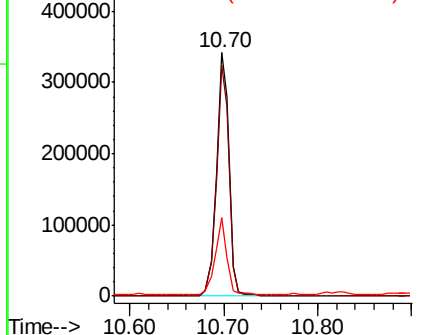


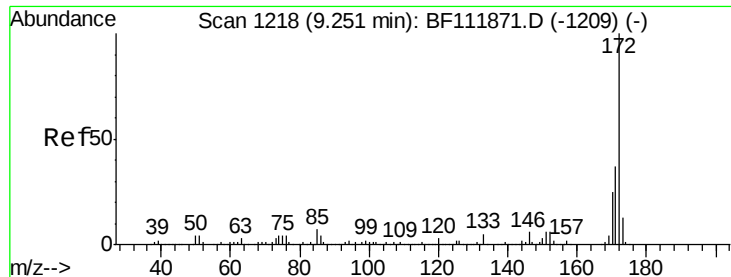
Abundance

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





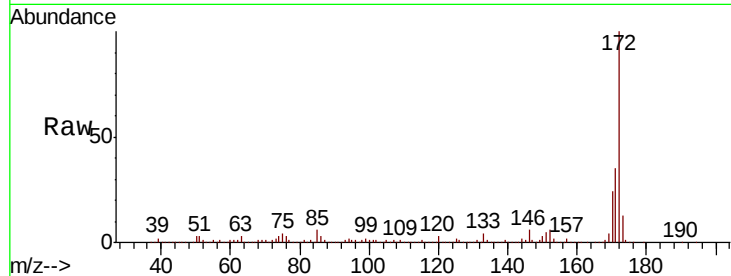
#45
2-Fluorobiphenyl
Concen: 67.229 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF112048.D
Acq: 14 Jan 2019 14:09

Instrument :
BNA_F
ClientSampleId :
RT-3451

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.7	19.8	29.8

Manual Integrations
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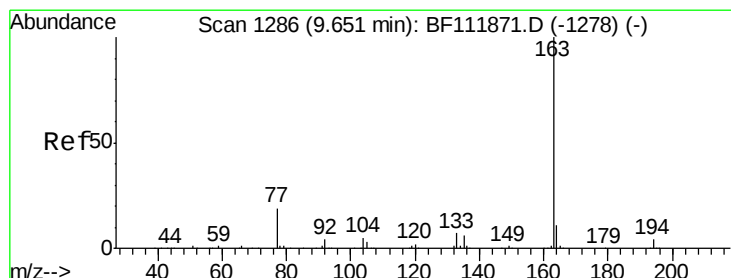
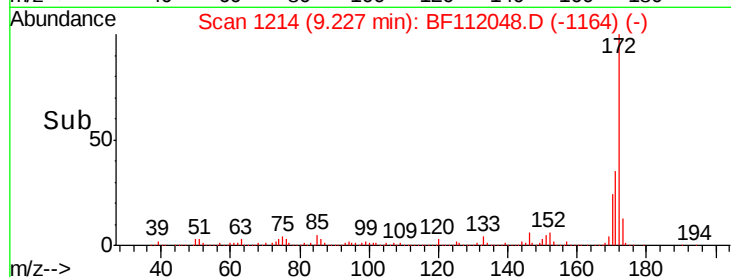
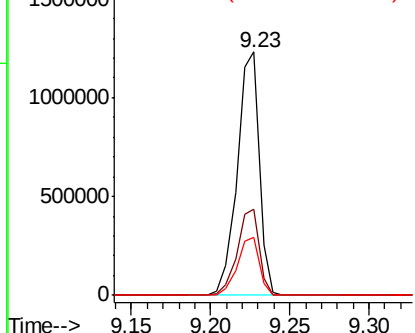


Abundance

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: 17.940 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF112048.D
Acq: 14 Jan 2019 14:09

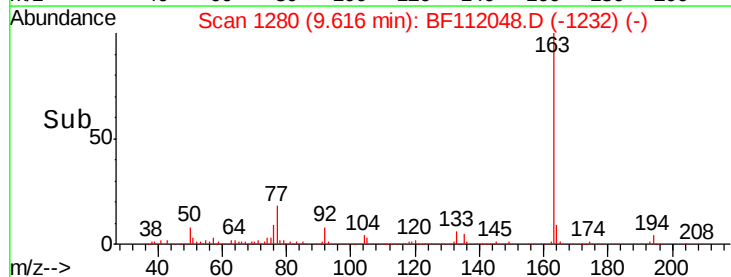
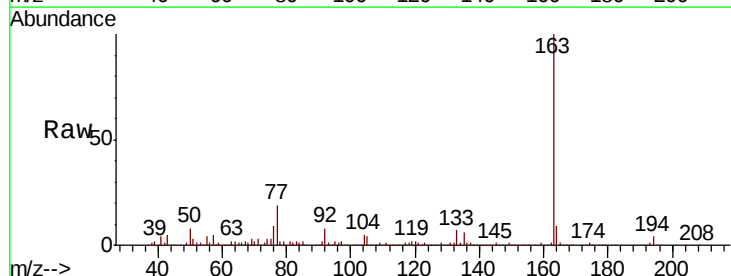
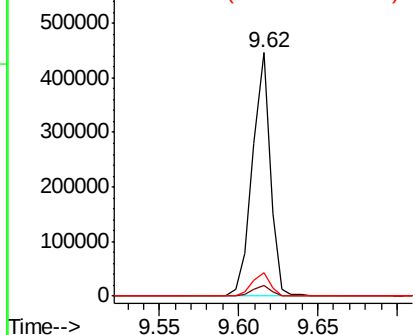
Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	9.4	8.5	12.7

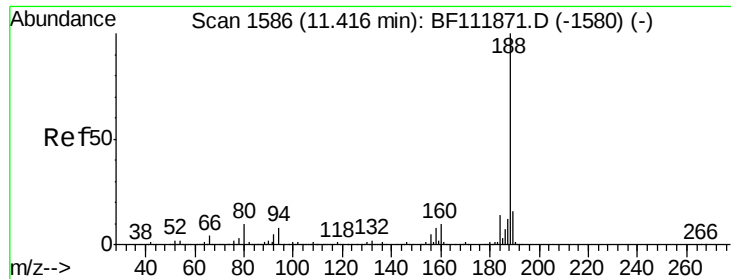
Abundance

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: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF112048.D

Acq: 14 Jan 2019 14:09

Instrument :

BNA_F

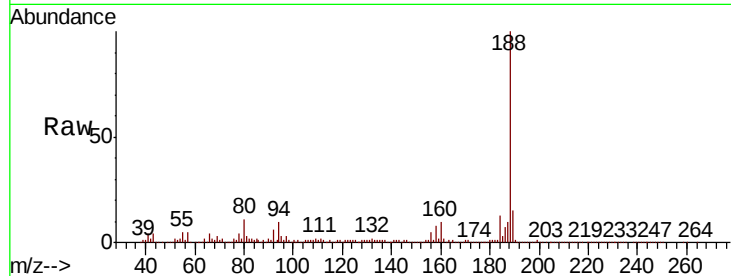
ClientSampleId :

RT-3451

Tot Ion:	188	Resp:	561946
Ion Ratio	Lower	Upper	
188	100		
94	9.7	6.6	10.0
80	10.6	7.7	11.5

Manual Integrations
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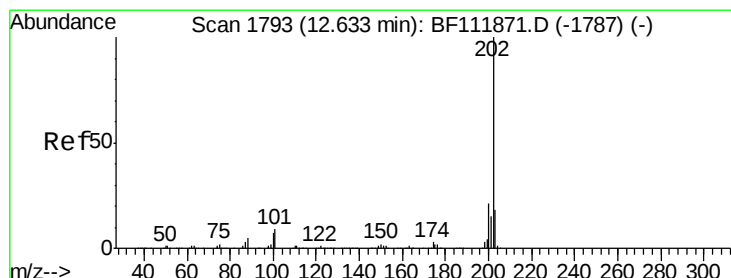
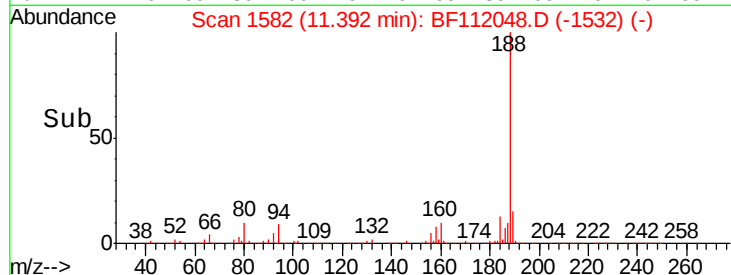
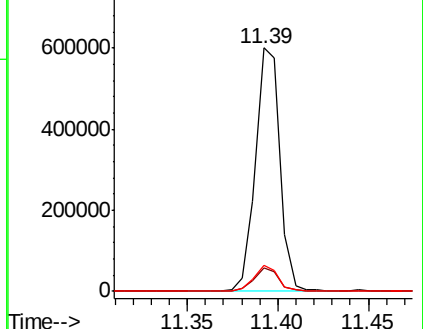
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#75

Fluoranthene

Concen: 7.502 ng

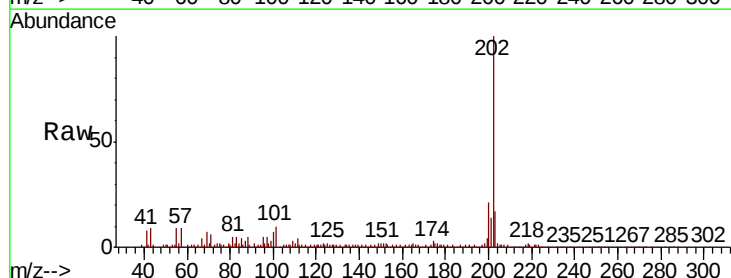
RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF112048.D

Acq: 14 Jan 2019 14:09

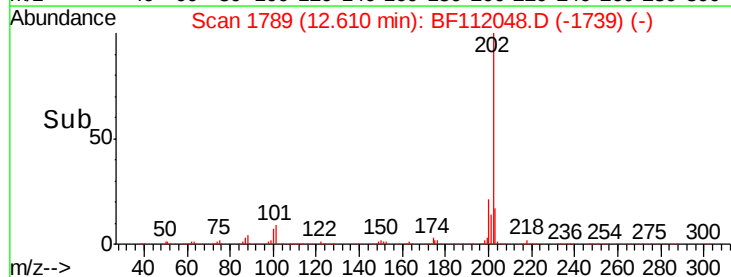
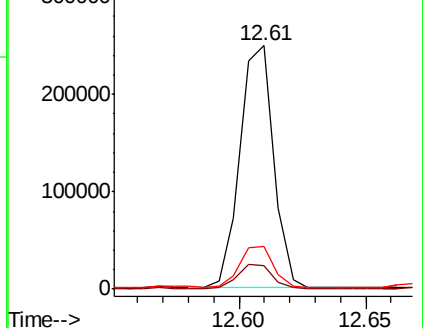
Tgt Ion:	202	Resp:	231382
Ion Ratio	Lower	Upper	
202	100		
101	9.6	0.0	29.3
203	17.4	0.0	37.6

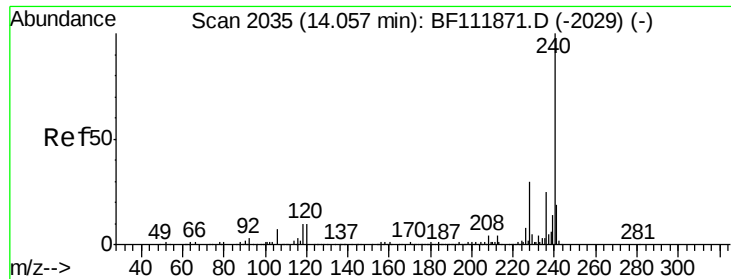


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





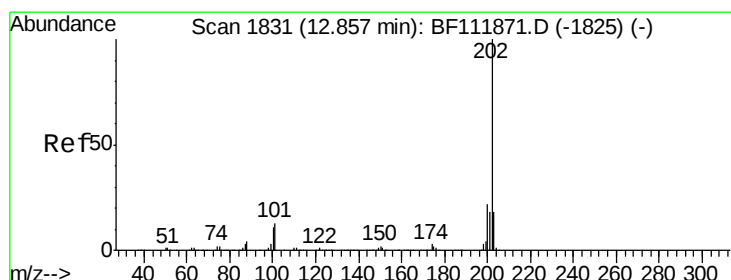
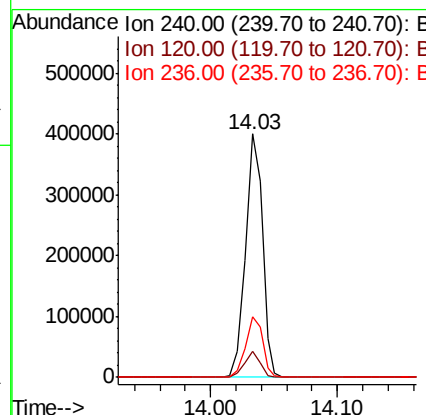
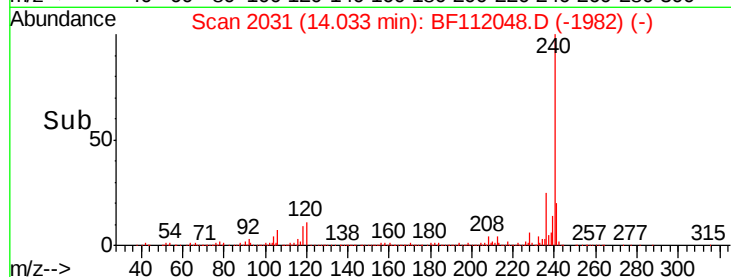
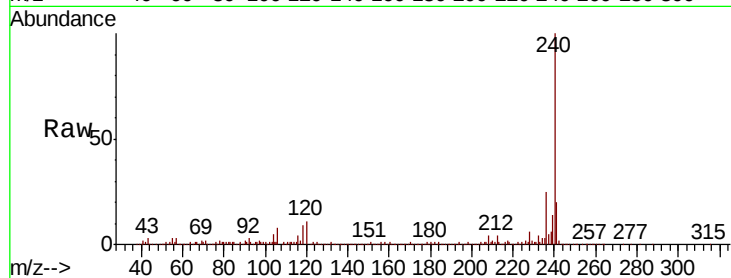
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF112048.D
Acq: 14 Jan 2019 14:09

Instrument :
BNA_F
ClientSampled :
RT-3451

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.2	12.2
236	25.1	20.2	30.4

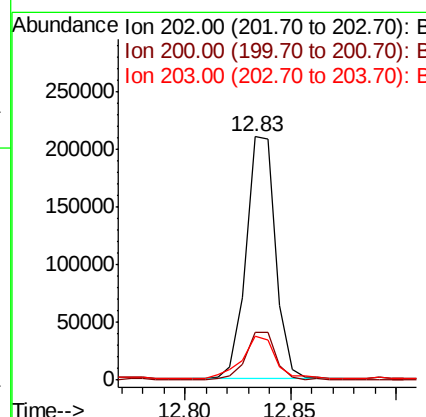
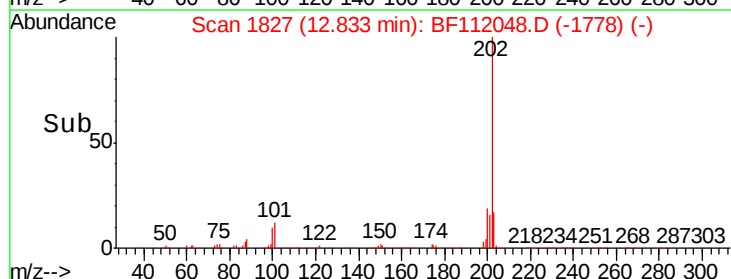
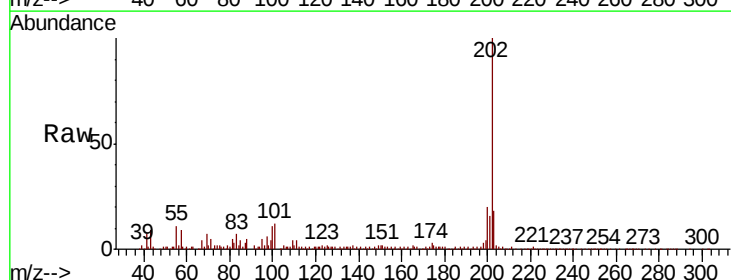
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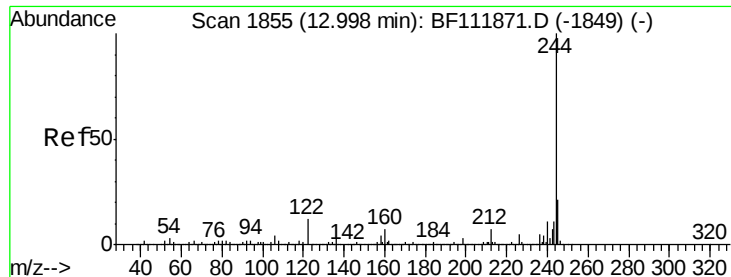
Sohil
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#78
Pyrene
Concen: 8.081 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BF112048.D
Acq: 14 Jan 2019 14:09

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.4	26.2
203	17.8	14.6	21.8





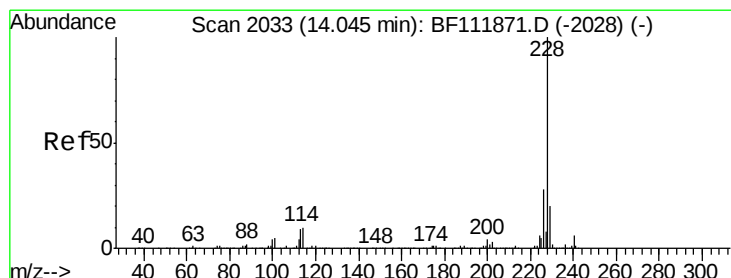
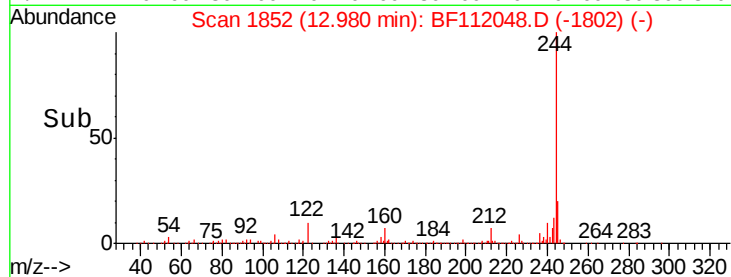
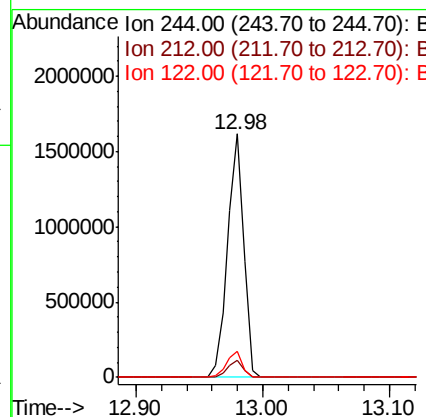
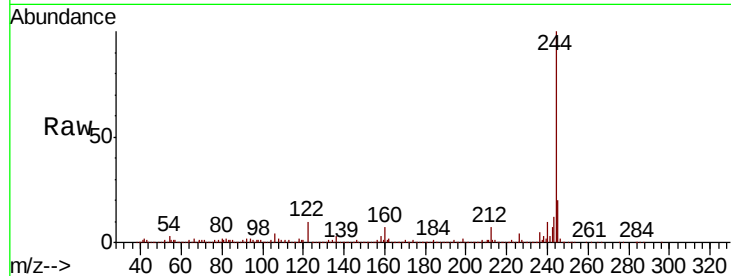
#79
 Terphenyl-d14
 Concen: 74.399 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF112048.D
 Acq: 14 Jan 2019 14:09

Instrument :
 BNA_F
 ClientSampleId :
 RT-3451

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	10.4	9.5	14.3

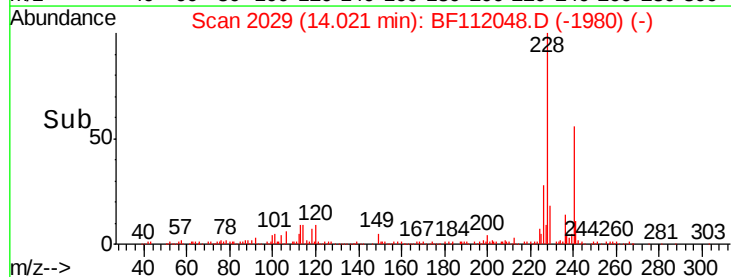
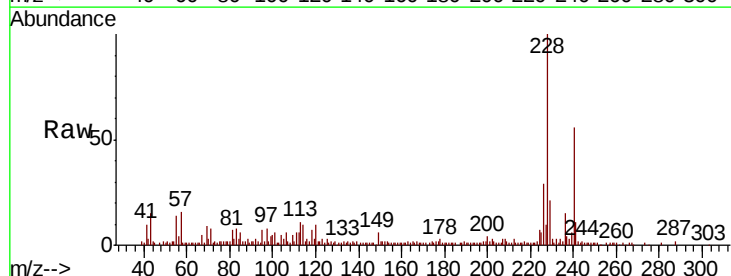
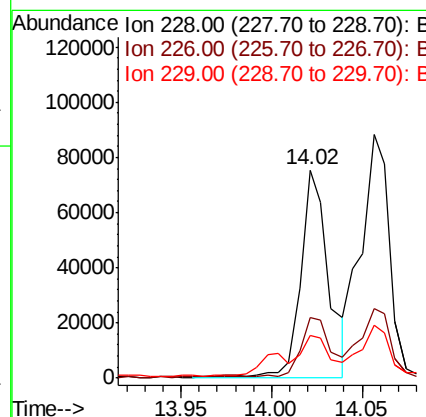
Manual Integrations
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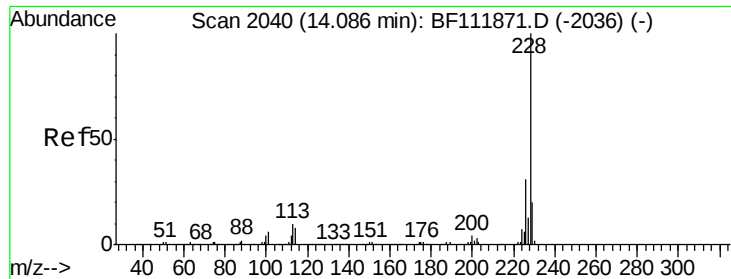
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#81
 Benzo(a)anthracene
 Concen: 3.851 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF112048.D
 Acq: 14 Jan 2019 14:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.2	33.2
229	20.5	16.2	24.2





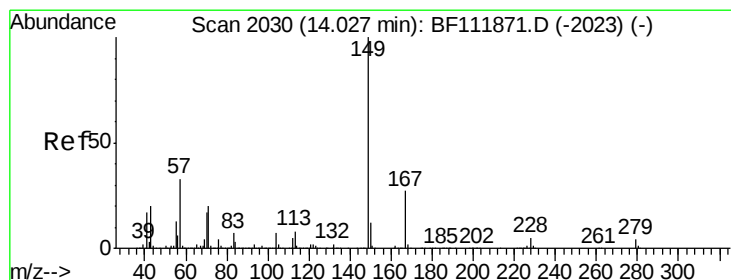
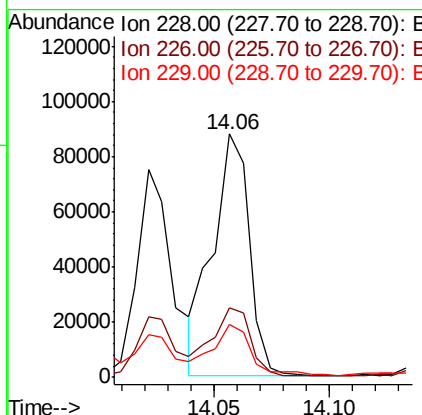
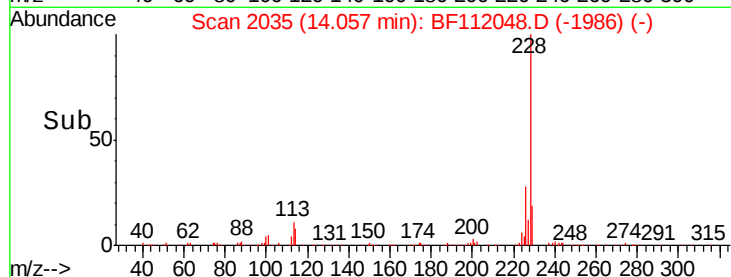
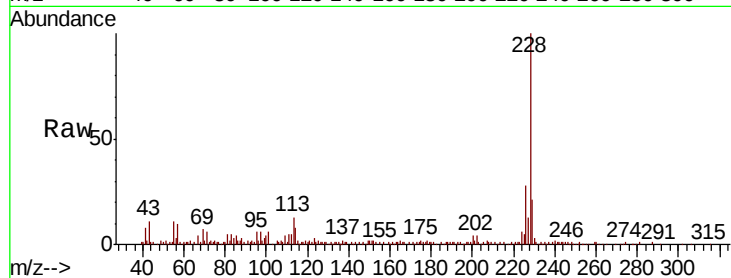
#83
Chrysene
Concen: 4.822 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF112048.D
Acq: 14 Jan 2019 14:09

Instrument :
BNA_F
ClientSampled :
RT-3451

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	24.6	37.0
229	21.5	15.7	23.5

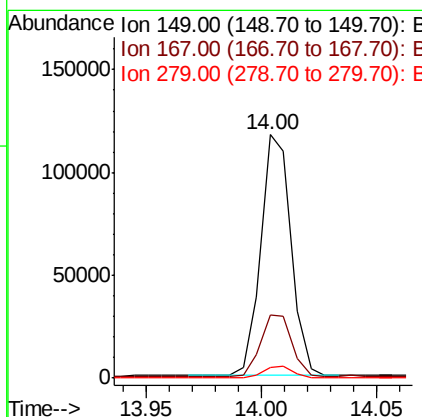
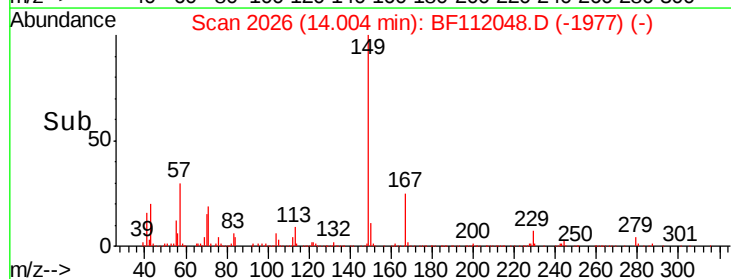
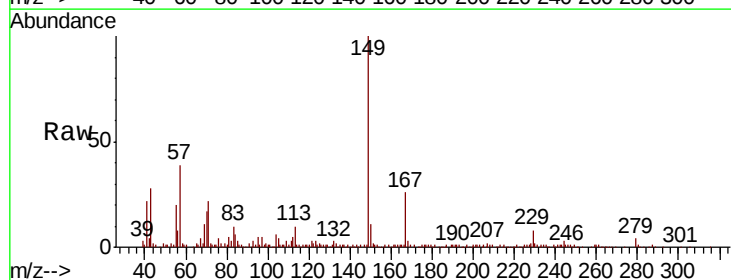
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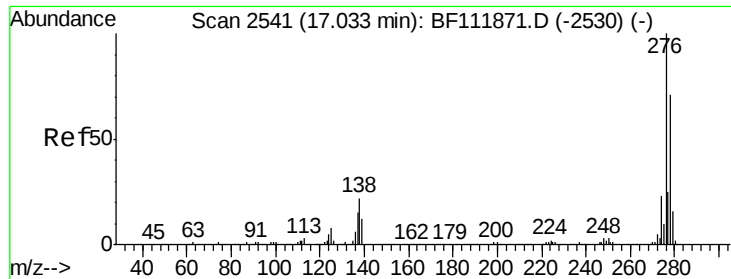
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#84
Bis(2-ethylhexyl)phthalate
Concen: 7.675 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112048.D
Acq: 14 Jan 2019 14:09

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.8	21.5	32.3
279	4.2	3.0	4.6





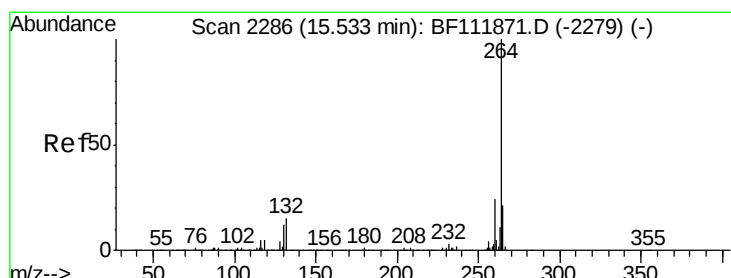
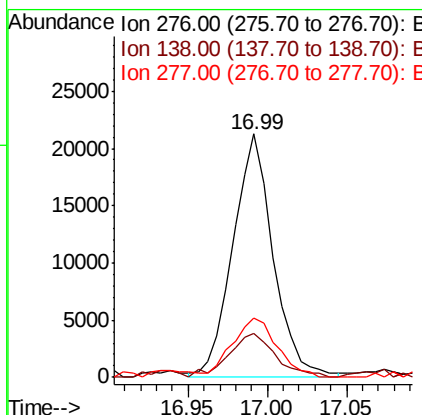
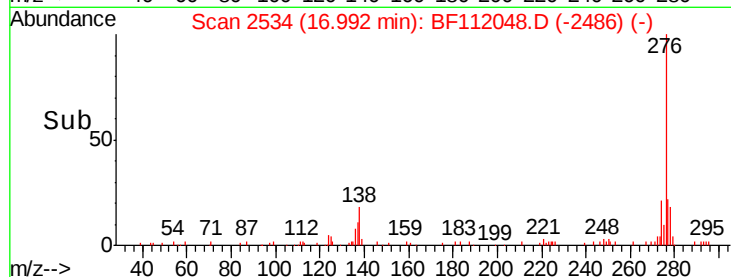
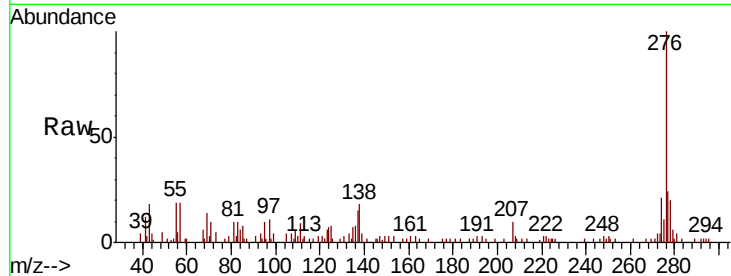
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.567 ng
RT: 16.99 min Scan# 2534
Delta R.T. -0.02 min
Lab File: BF112048.D
Acq: 14 Jan 2019 14:09

Instrument :
BNA_F
ClientSampleId :
RT-3451

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.0	18.1	27.1
277	26.5	19.9	29.9

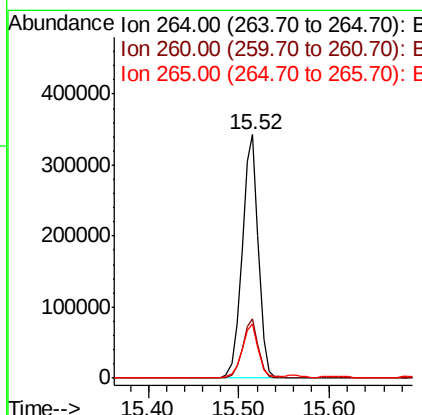
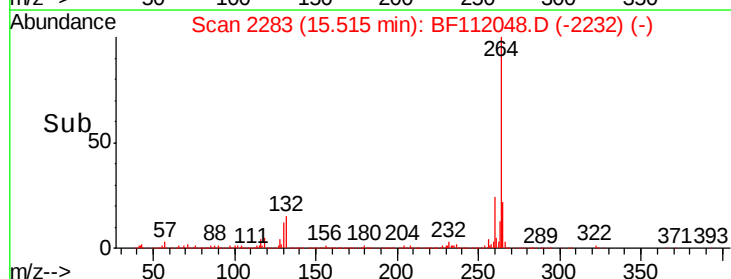
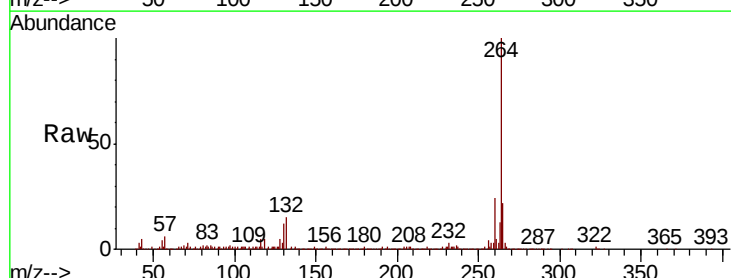
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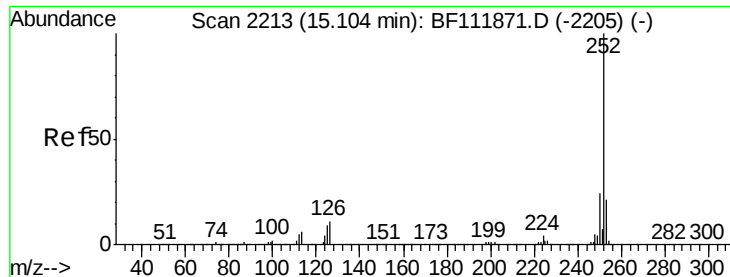
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF112048.D
Acq: 14 Jan 2019 14:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.2	17.1	25.7





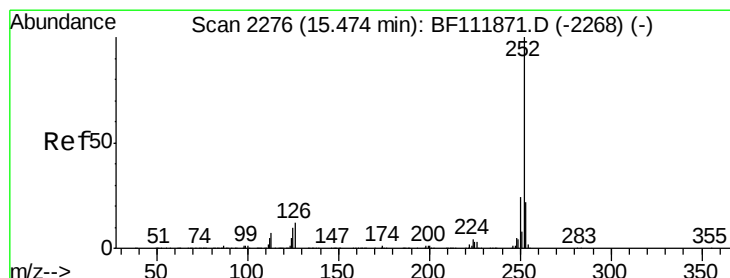
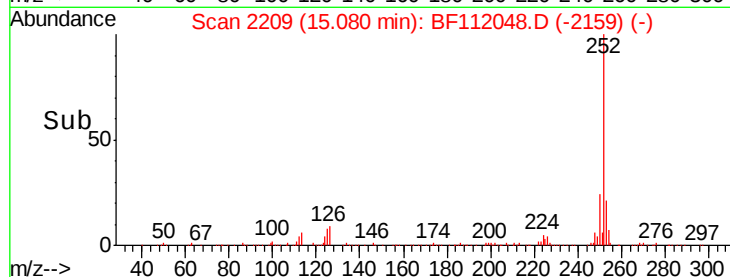
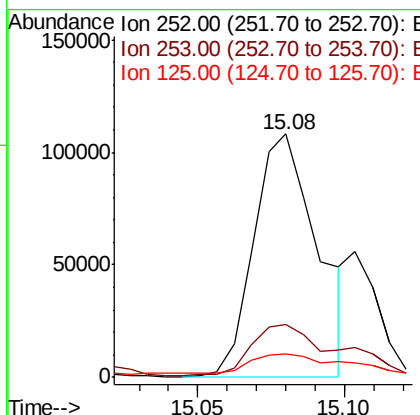
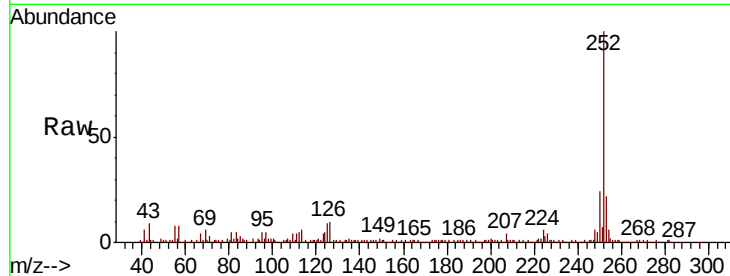
#88
Benzo(b)fluoranthene
Concen: 6.394 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF112048.D
Acq: 14 Jan 2019 14:09

Instrument :
BNA_F
ClientSampled :
RT-3451

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	9.5	7.1	10.7

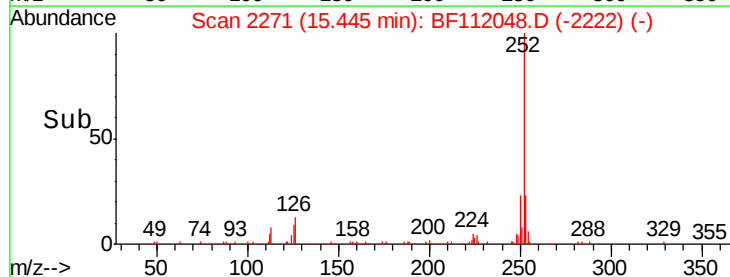
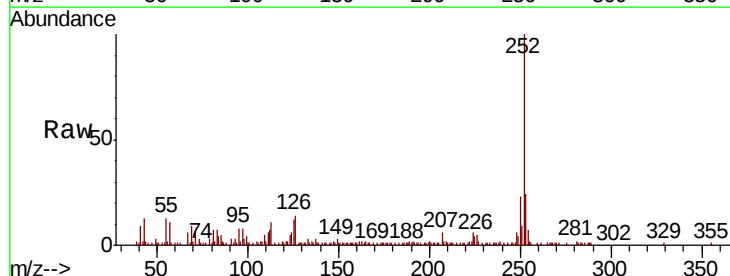
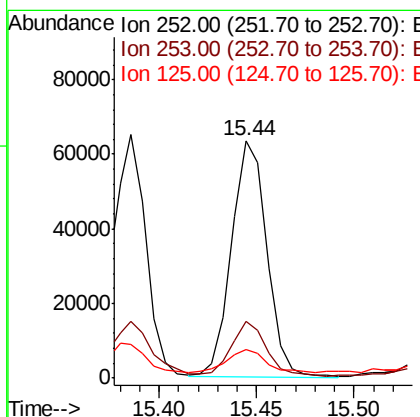
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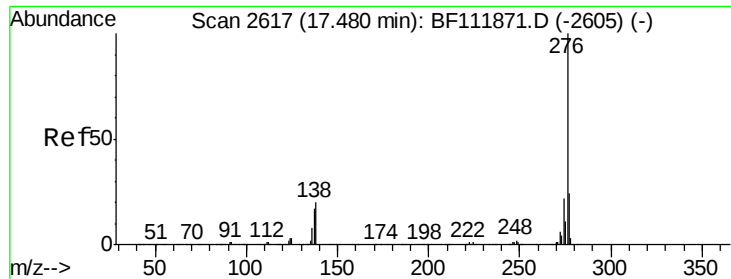
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#90
Benzo(a)pyrene
Concen: 3.550 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF112048.D
Acq: 14 Jan 2019 14:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.2
125	12.1	7.9	11.9





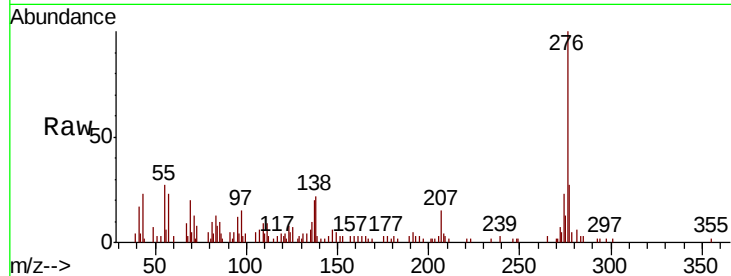
#92
 Benzo(a,h,i)perylene
 Concen: 2.033 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. -0.02 min
 Lab File: BF112048.D
 Acq: 14 Jan 2019 14:09

Instrument :
 BNA_F
 ClientSampleId :
 RT-3451

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.2	19.0	28.6
138	21.9	16.2	24.2

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

