

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
 Data File : BF108131.D
 Acq On : 13 Aug 2018 22:05
 Operator : JU/SJ
 Sample : J4427-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB47197

Manual Integrations
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Sohil
 8/14/2018 2:36:51 PM

Quant Time: Aug 14 02:17:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	207440	20.00	ng	0.01
21) Naphthalene-d8	8.31	136	730190	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	315579	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	579047	20.00	ng	0.01
75) Chrysene-d12	14.24	240	464801	20.00	ng	0.02
86) Perylene-d12	15.81	264	306045	20.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	1257264	109.73	ng	0.02
7) Phenol-d6	6.64	99	1670900	109.74	ng	0.01
23) Nitrobenzene-d5	7.58	82	1048692	80.14	ng	0.00
41) 2,4,6-Tribromophenol	10.87	330	341714	108.56	ng	0.01
44) 2-Fluorobiphenyl	9.38	172	1535138	78.10	ng	0.00
78) Terphenyl-d14	13.17	244	1464664	80.12	ng	0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.33	128	132670	3.995	ng	97
49) Dimethylphthalate	9.77	163	181619	8.262	ng	99
70) Phenanthrene	11.59	178	253814	9.293	ng	99
71) Anthracene	11.65	178	77617	2.773	ng	99
74) Fluoranthene	12.79	202	472370	15.847	ng	96
77) Pyrene	13.03	202	453121	15.398	ng	99
80) Benzo(a)anthracene	14.22	228	218253	8.182	ng	92
82) Chrysene	14.26	228	198066	8.099	ng	96
83) Bis(2-ethylhexyl)phthalate	14.18	149	93070	5.882	ng	99
85) Indeno(1,2,3-cd)pyrene	17.44	276	70588	3.331	ng	# 89
87) Benzo(b)fluoranthene	15.33	252	185784m	10.159	ng	
88) Benzo(k)fluoranthene	15.36	252	59132m	3.518	ng	
89) Benzo(a)pyrene	15.74	252	129666	7.918	ng	94
91) Benzo(g,h,i)perylene	17.94	276	69113	5.180	ng	92

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

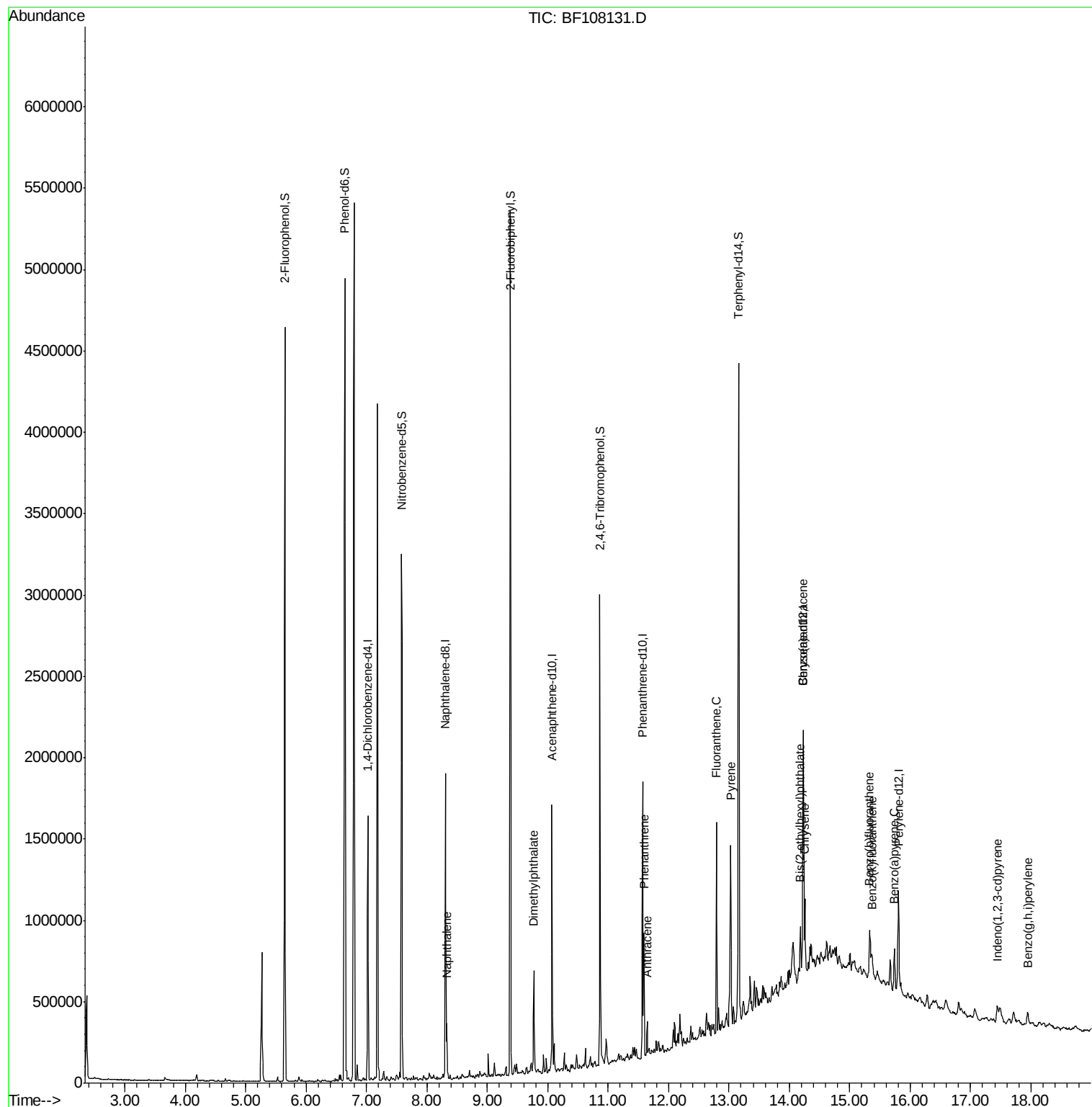
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
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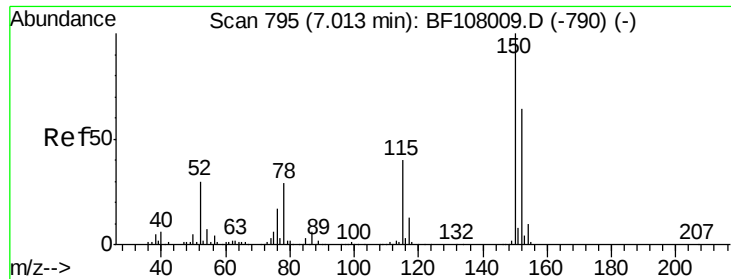
Instrument :
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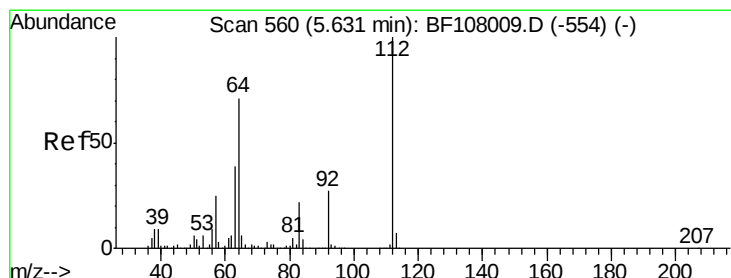
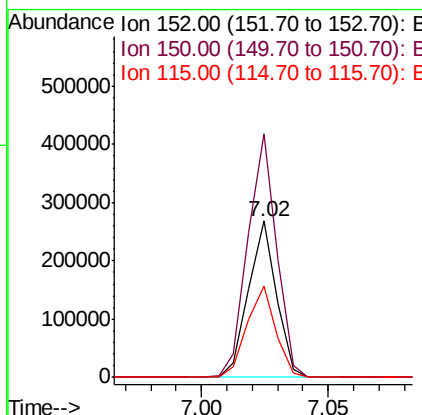
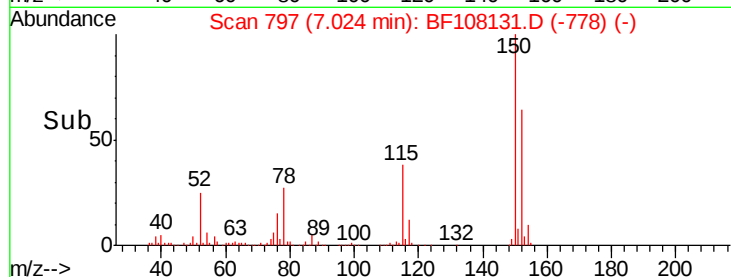
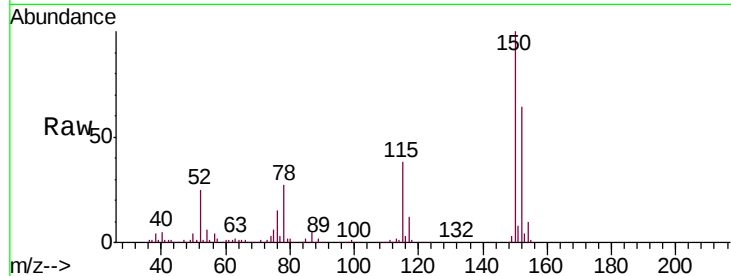
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.02 min Scan# 797
 Delta R.T. 0.01 min
 Lab File: BF108131.D
 Acq: 13 Aug 2018 22:05

Instrument :
 BNA_F
 ClientSampleId :
 RB47197

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.6	186.8
115	58.8	50.1	75.1

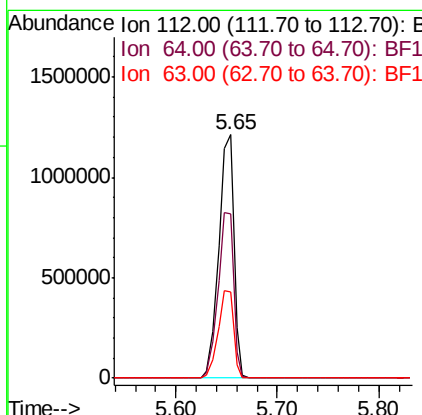
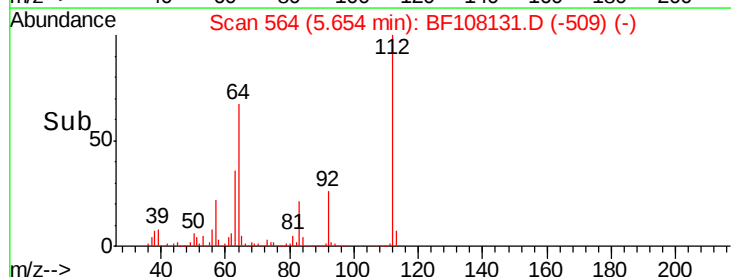
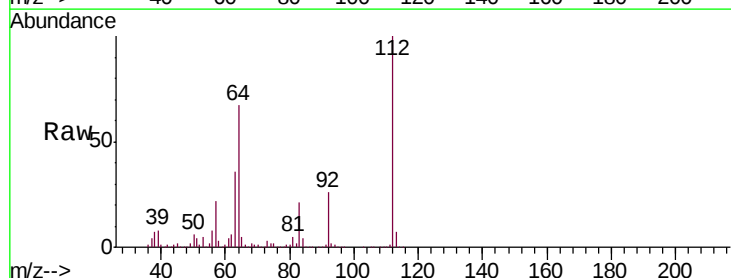
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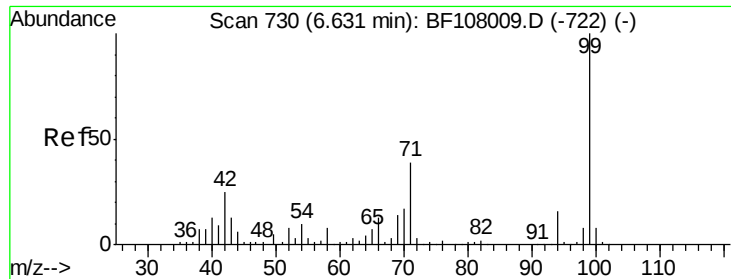
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#5
 2-Fluorophenol
 Concen: 109.729 ng
 RT: 5.65 min Scan# 564
 Delta R.T. 0.02 min
 Lab File: BF108131.D
 Acq: 13 Aug 2018 22:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	47.9	71.9
63	35.5	23.7	35.5





#7

Phenol-d6

Concen: 109.740 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108131.D

Acq: 13 Aug 2018 22:05

Instrument :

BNA_F

ClientSampleId :

RB47197

Tgt Ion: 99 Resp: 1670900

Ion Ratio Lower Upper

99 100

42 24.0 14.5 21.7#

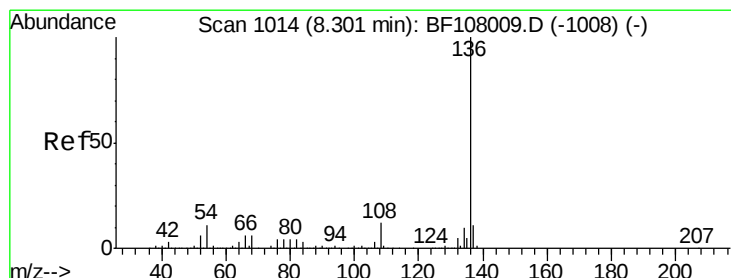
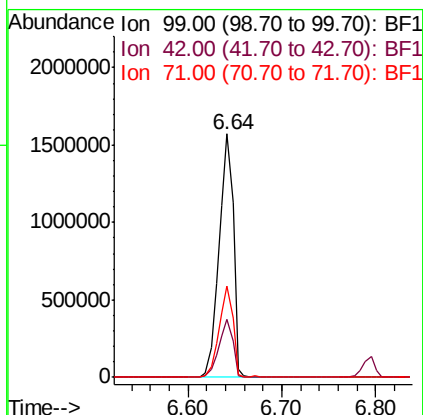
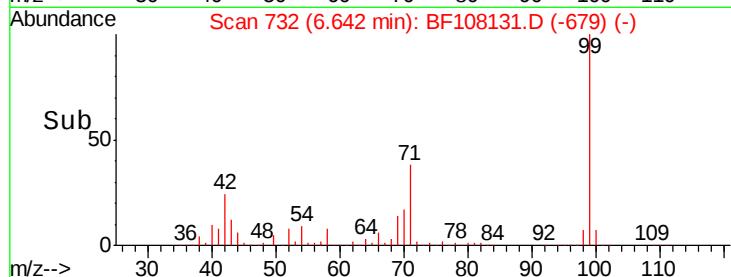
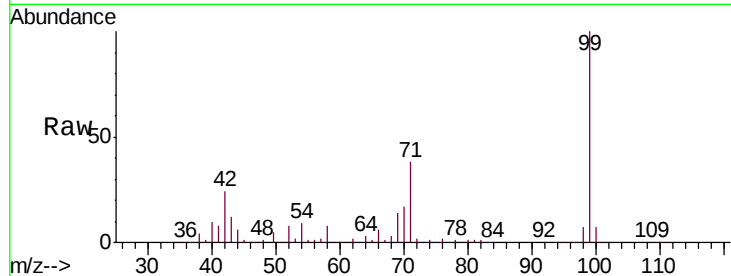
71 37.7 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.31 min Scan# 1015

Delta R.T. 0.01 min

Lab File: BF108131.D

Acq: 13 Aug 2018 22:05

Tgt Ion: 136 Resp: 730190

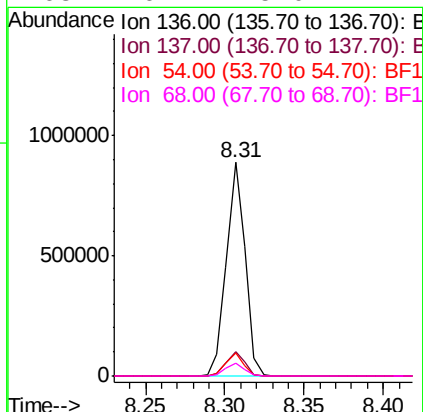
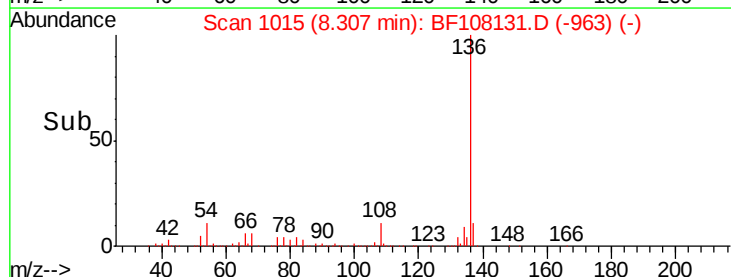
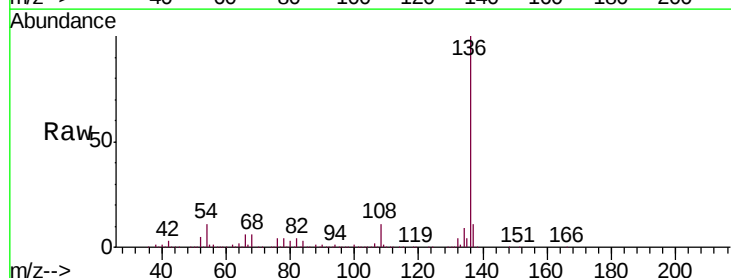
Ion Ratio Lower Upper

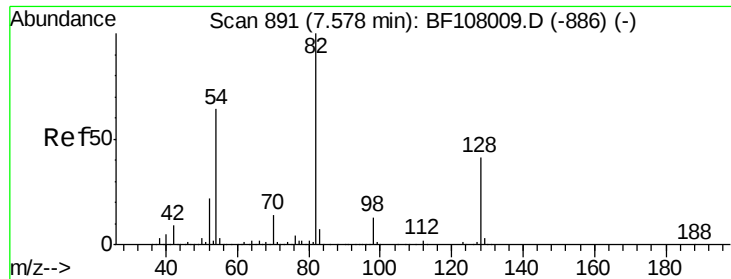
136 100

137 11.3 8.9 13.3

54 10.7 6.6 9.8#

68 6.2 5.0 7.4





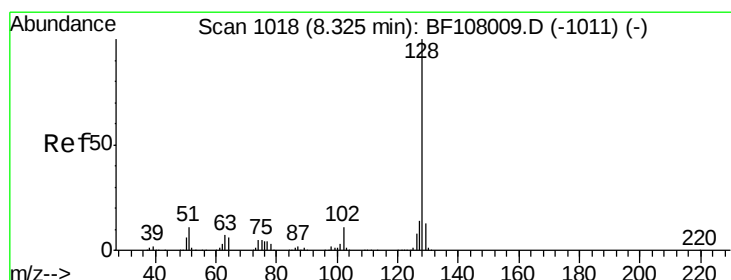
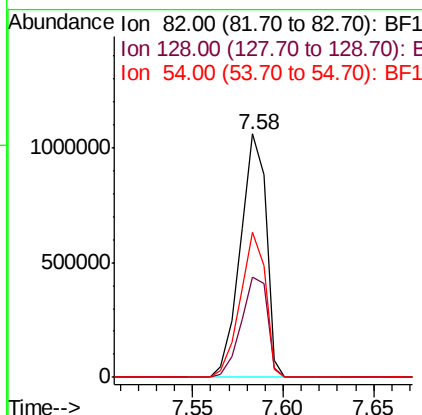
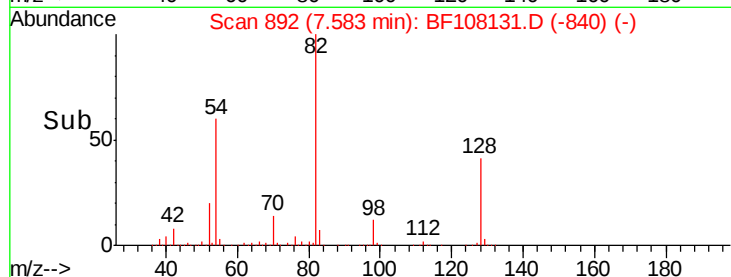
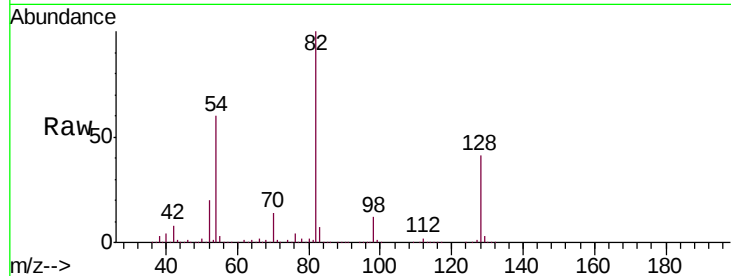
#23
 Nitrobenzene-d5
 Concen: 80.142 ng
 RT: 7.58 min Scan# 892
 Delta R.T. 0.01 min
 Lab File: BF108131.D
 Acq: 13 Aug 2018 22:05

Instrument :
 BNA_F
 ClientSampled :
 RB47197

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.0	36.1	54.1
54	59.8	41.4	62.2

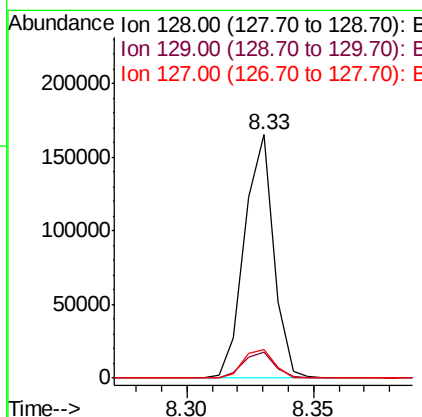
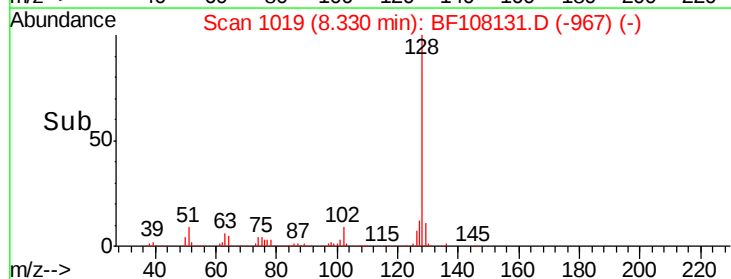
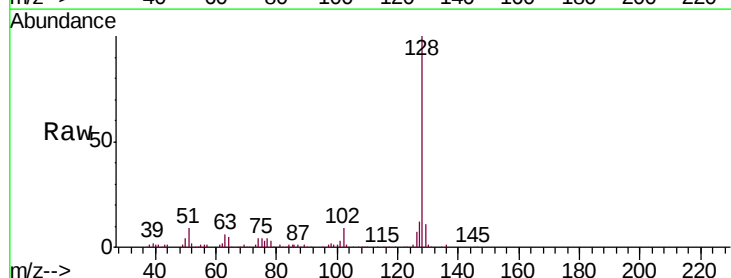
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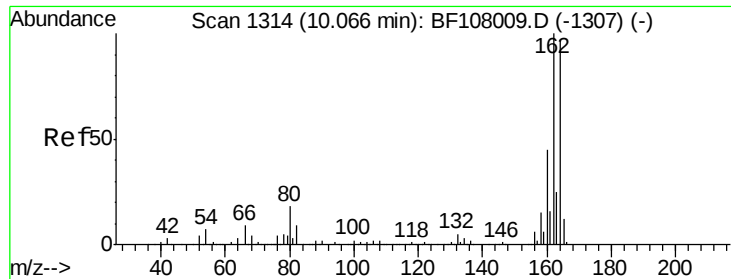
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#31
 Naphthalene
 Concen: 3.995 ng
 RT: 8.33 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: BF108131.D
 Acq: 13 Aug 2018 22:05

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	11.9	10.9	16.3





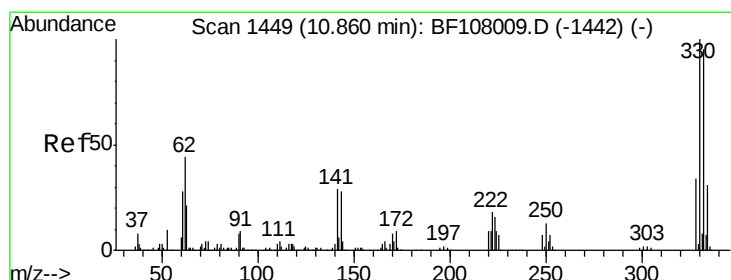
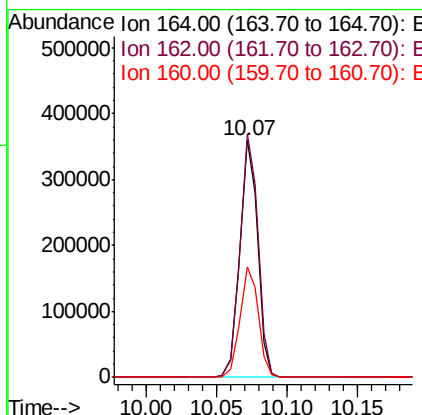
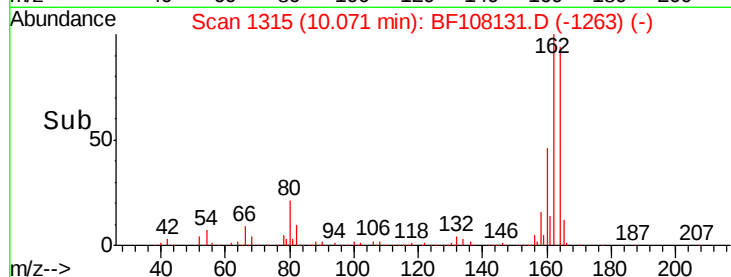
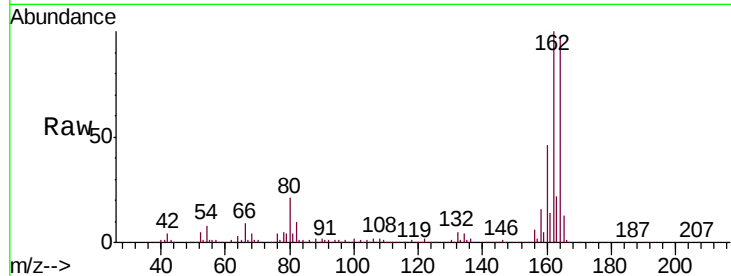
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.07 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: BF108131.D
 Acq: 13 Aug 2018 22:05

Instrument :
 BNA_F
 ClientSampled :
 RB47197

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.8	315579	86.1	129.1
160	46.8		38.3	57.5

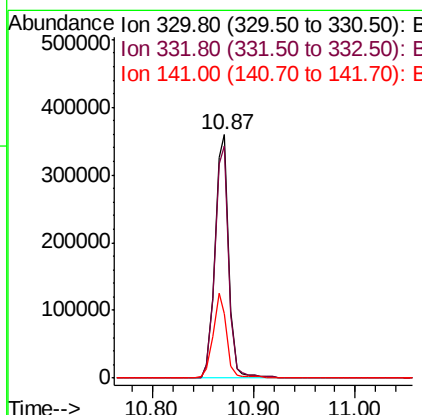
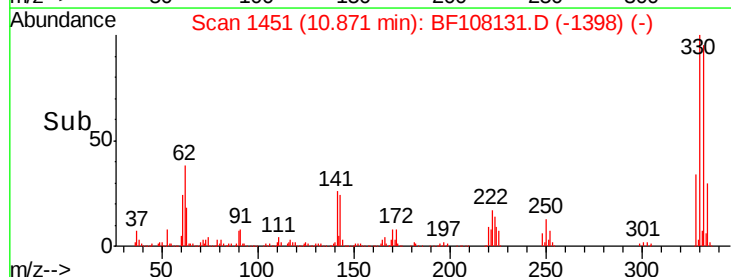
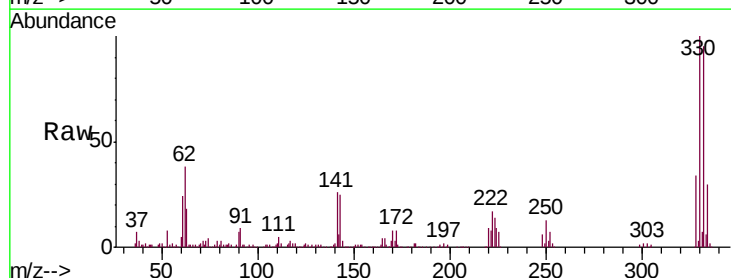
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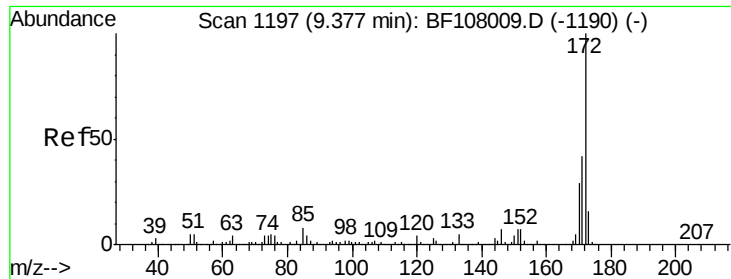
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#41
 2,4,6-Tribromophenol
 Concen: 108.556 ng
 RT: 10.87 min Scan# 1451
 Delta R.T. 0.01 min
 Lab File: BF108131.D
 Acq: 13 Aug 2018 22:05

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	341714		
332	96.7		77.0	115.6
141	33.5		29.9	44.9





#44

2-Fluorobiphenyl

Concen: 78.098 ng

RT: 9.38 min Scan# 1198

Delta R.T. 0.01 min

Lab File: BF108131.D

Acq: 13 Aug 2018 22:05

Instrument :

BNA_F

ClientSampleId :

RB47197

Tgt Ion:172 Resp: 1535138

Ion Ratio Lower Upper

172 100

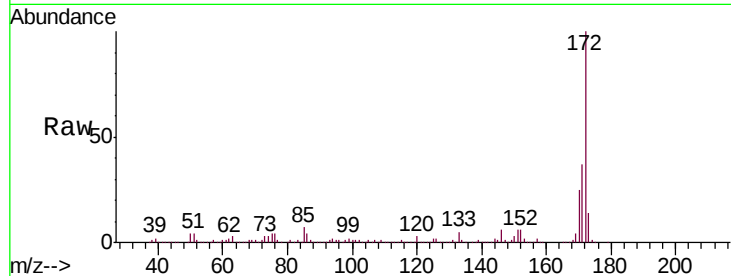
171 37.4 29.7 44.5

170 25.4 19.6 29.4

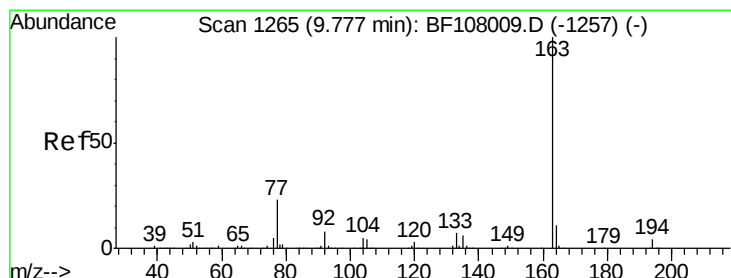
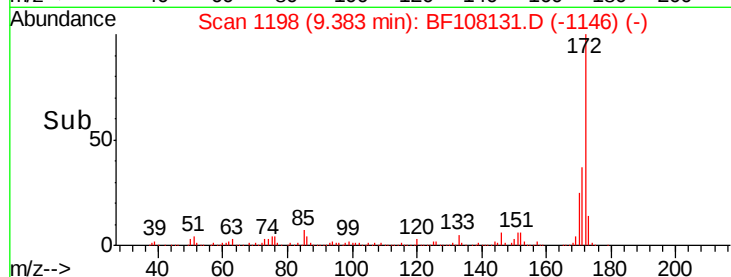
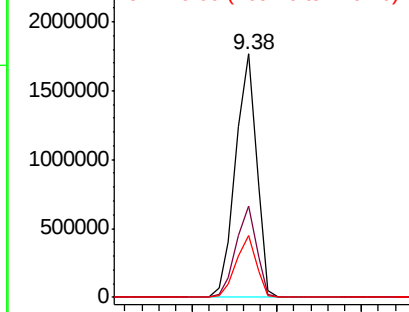
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Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 8.262 ng

RT: 9.77 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BF108131.D

Acq: 13 Aug 2018 22:05

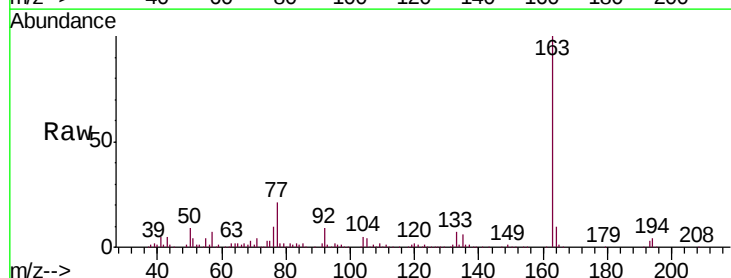
Tgt Ion:163 Resp: 181619

Ion Ratio Lower Upper

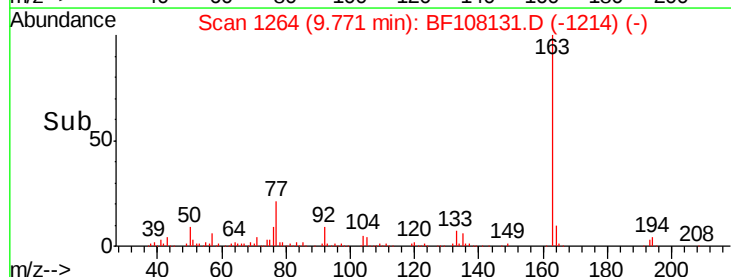
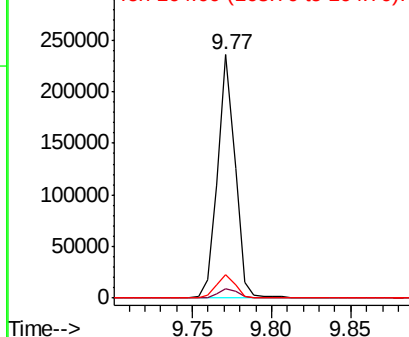
163 100

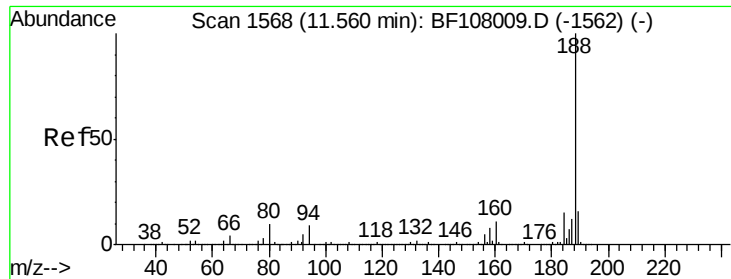
194 4.0 2.7 4.1

164 9.7 8.2 12.2



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





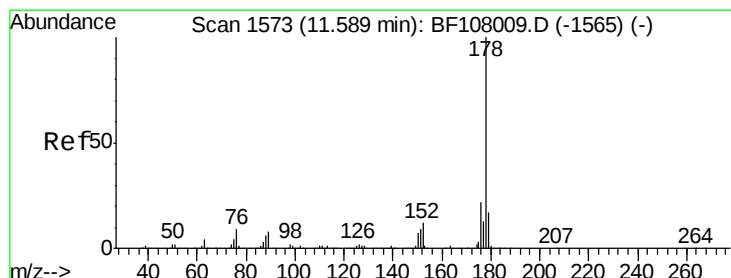
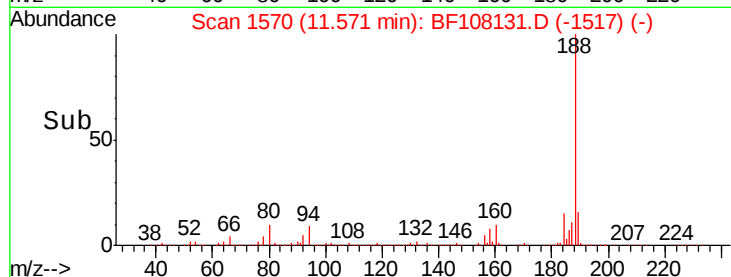
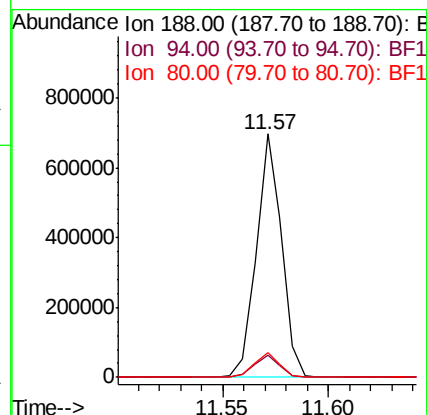
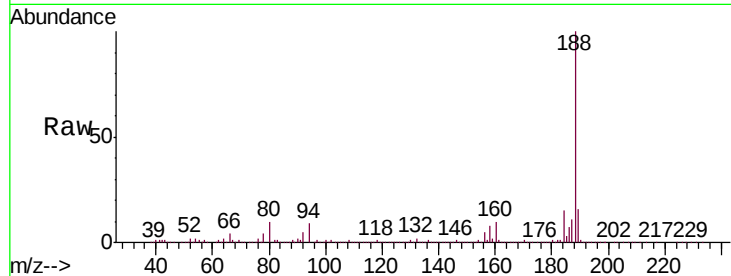
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.57 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF108131.D
Acq: 13 Aug 2018 22:05

Instrument :
BNA_F
ClientSampleId :
RB47197

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	579047		
94	9.0		8.5	12.7
80	10.2		9.2	13.8

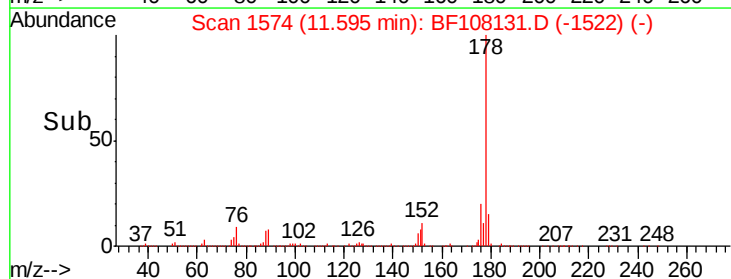
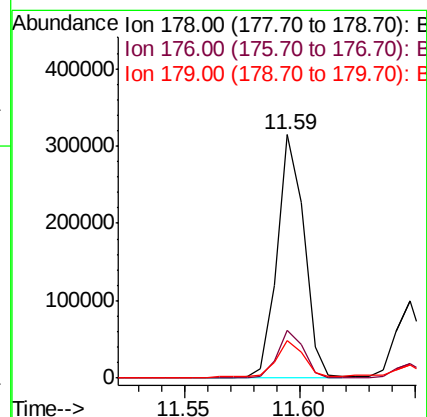
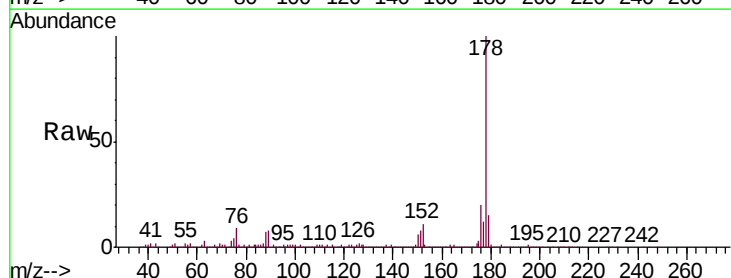
Manual Integrations
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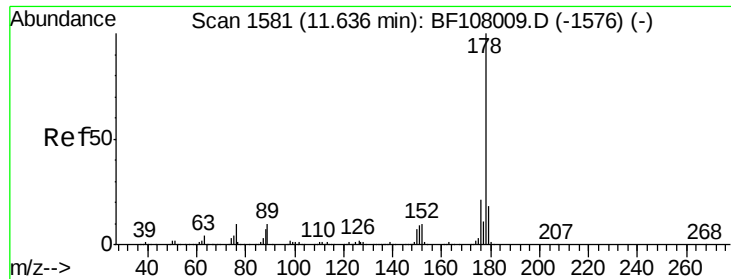
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#70
Phenanthrene
Concen: 9.293 ng
RT: 11.59 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF108131.D
Acq: 13 Aug 2018 22:05

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	253814		
176	19.8		15.8	23.8
179	15.3		13.0	19.6





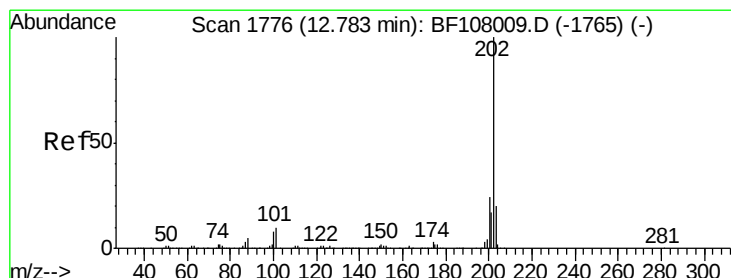
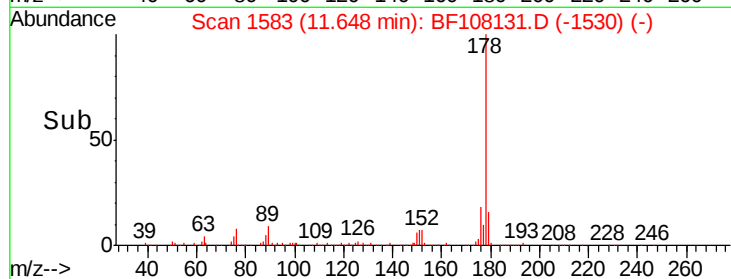
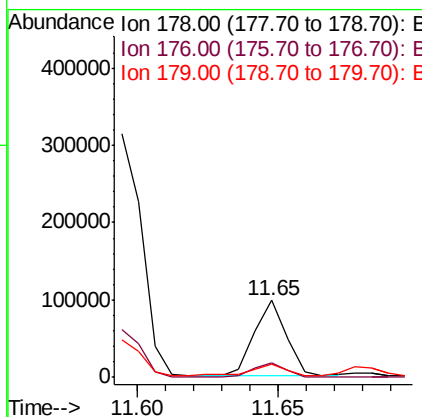
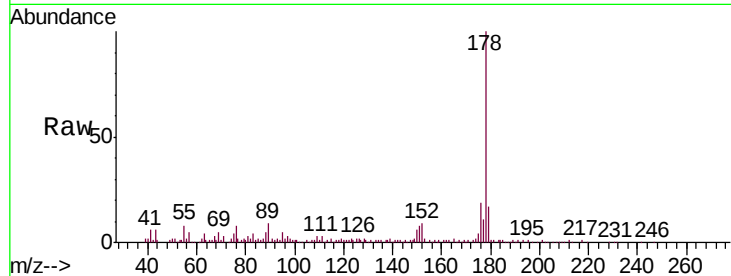
#71
 Anthracene
 Concen: 2.773 ng
 RT: 11.65 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BF108131.D
 Acq: 13 Aug 2018 22:05

Instrument :
 BNA_F
 ClientSampleId :
 RB47197

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	16.5	12.6	19.0

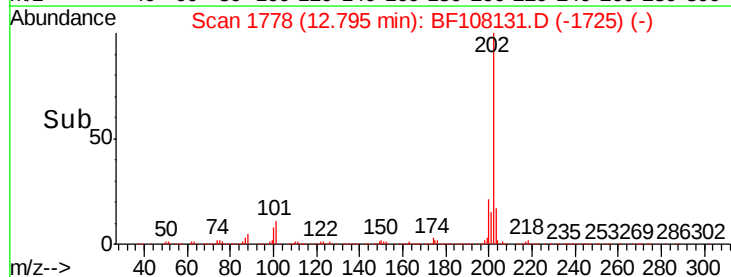
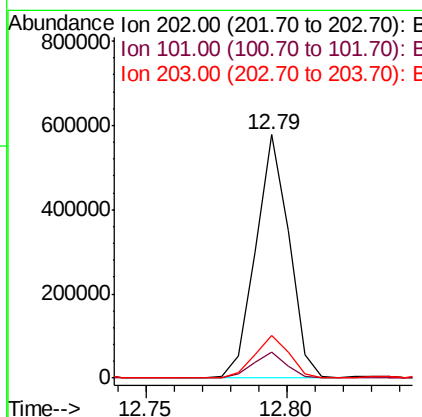
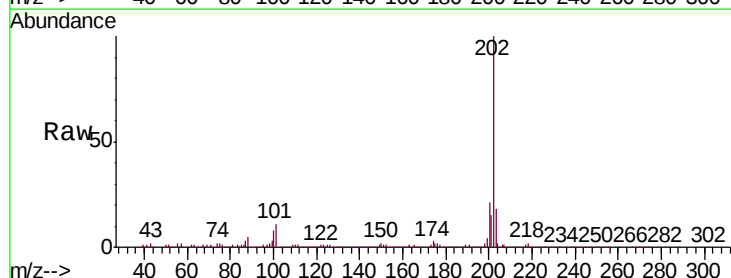
Manual Integrations
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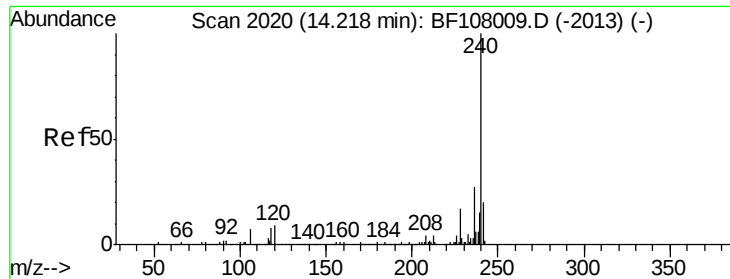
Sohil
 8/14/2018 2:36:51 PM



#74
 Fluoranthene
 Concen: 15.847 ng
 RT: 12.79 min Scan# 1778
 Delta R.T. 0.01 min
 Lab File: BF108131.D
 Acq: 13 Aug 2018 22:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.24 min Scan# 2023

Delta R.T. 0.02 min

Lab File: BF108131.D

Acq: 13 Aug 2018 22:05

Instrument :

BNA_F

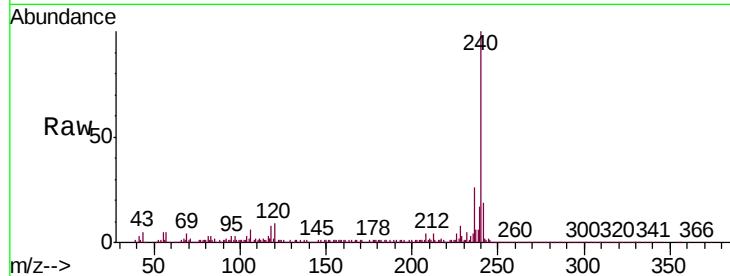
ClientSampleId :

RB47197

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	464801		
120	8.7	9.5	14.3	
236	25.9	20.7	31.1	

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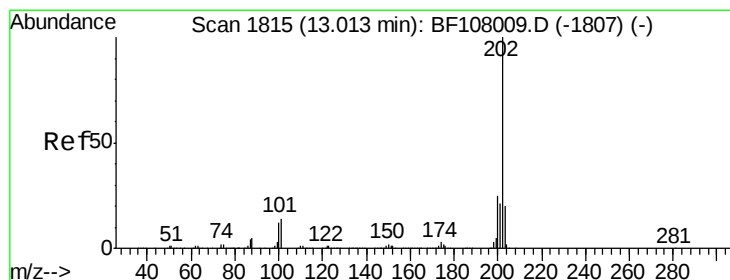
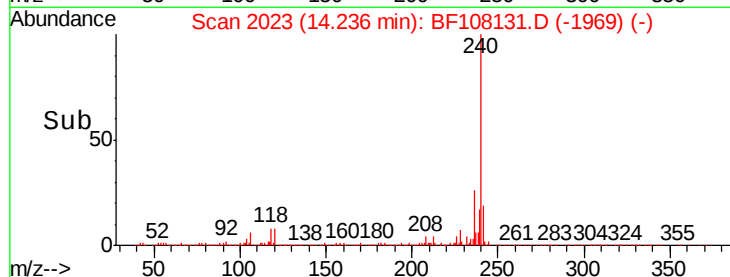
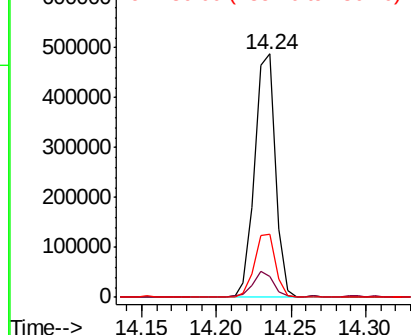


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 15.398 ng

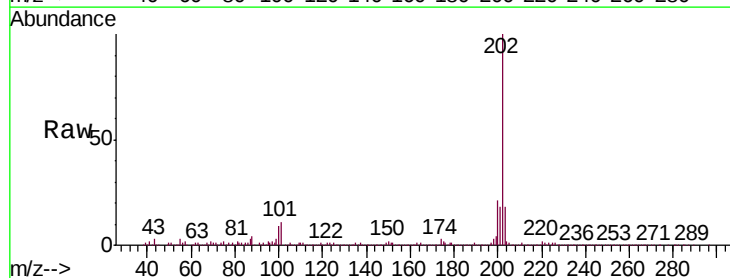
RT: 13.03 min Scan# 1818

Delta R.T. 0.02 min

Lab File: BF108131.D

Acq: 13 Aug 2018 22:05

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	453121		
200	21.2	17.4	26.2	
203	17.8	14.3	21.5	

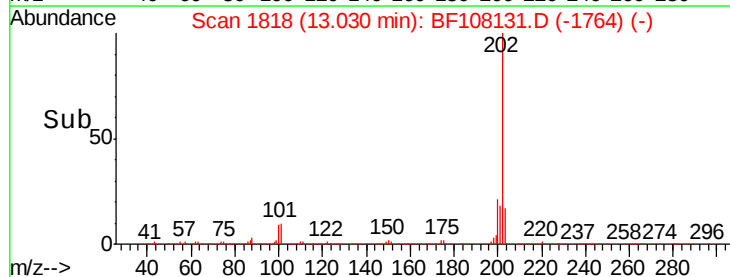
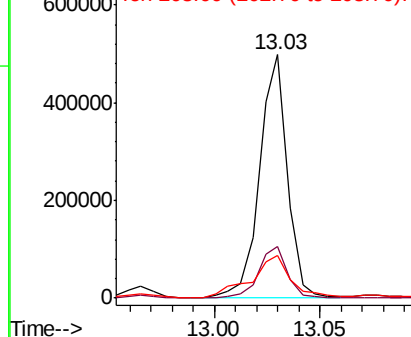


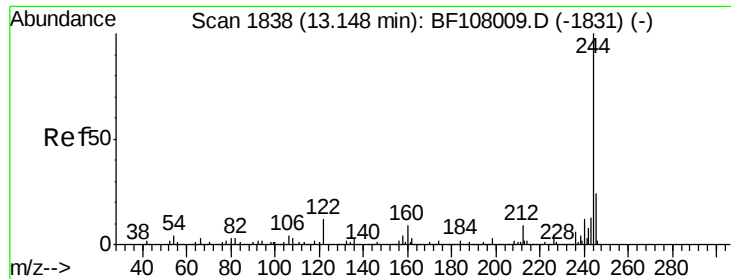
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 80.120 ng

RT: 13.17 min Scan# 1841

Delta R.T. 0.02 min

Lab File: BF108131.D

Acq: 13 Aug 2018 22:05

Instrument :

BNA_F

ClientSampleId :

RB47197

Tgt Ion:244 Resp: 1464664

Ion Ratio Lower Upper

244 100

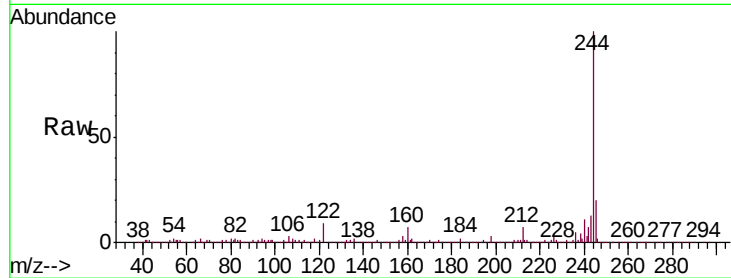
212 7.4 5.4 8.0

122 8.9 11.0 16.4#

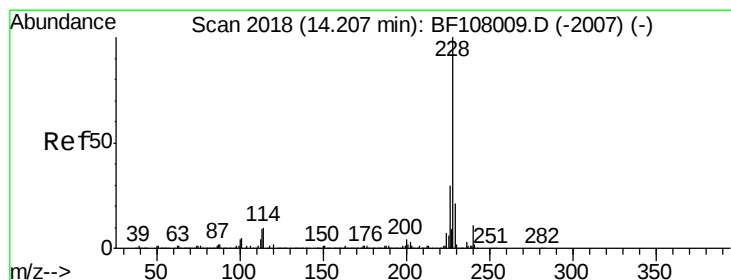
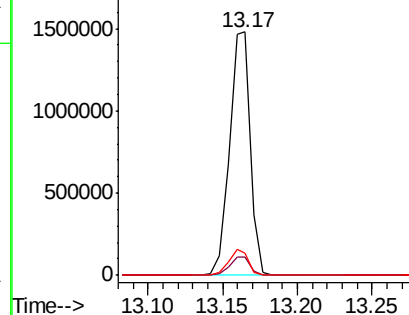
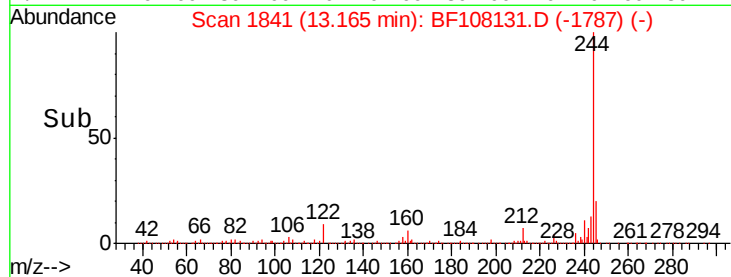
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Abundance Ion 244.00 (243.70 to 244.70): E
2000000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 8.182 ng

RT: 14.22 min Scan# 2021

Delta R.T. 0.02 min

Lab File: BF108131.D

Acq: 13 Aug 2018 22:05

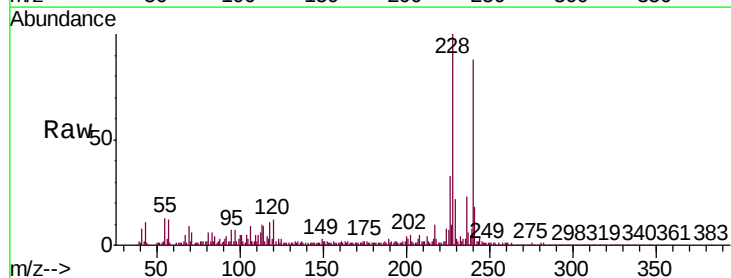
Tgt Ion:228 Resp: 218253

Ion Ratio Lower Upper

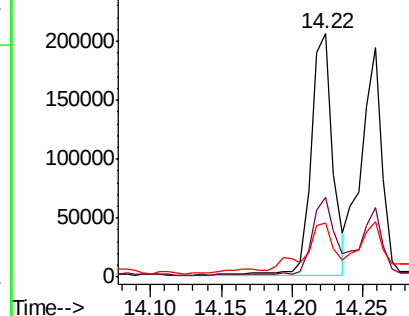
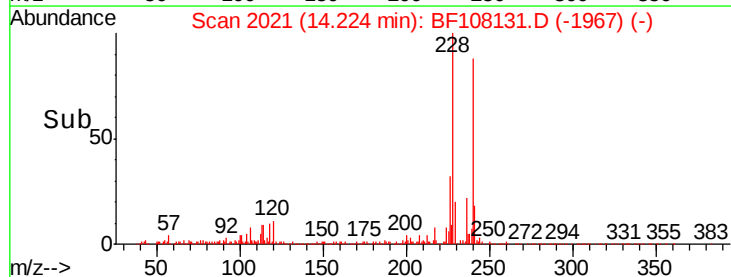
228 100

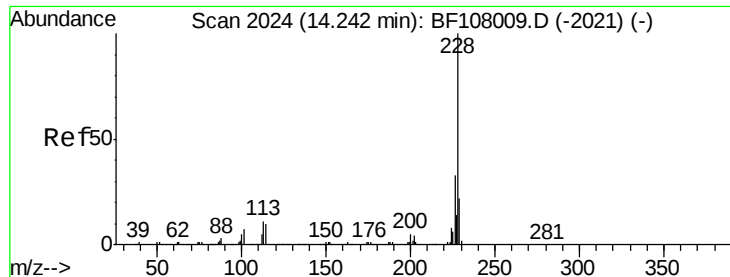
226 33.0 22.6 33.8

229 22.2 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
250000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





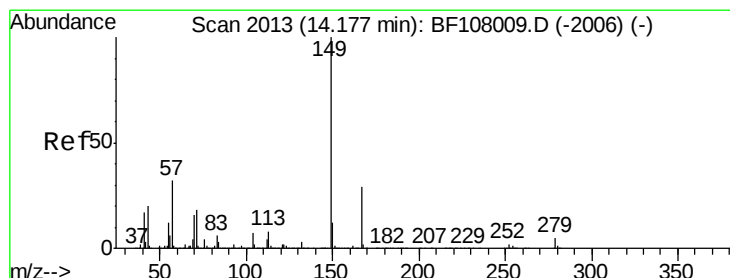
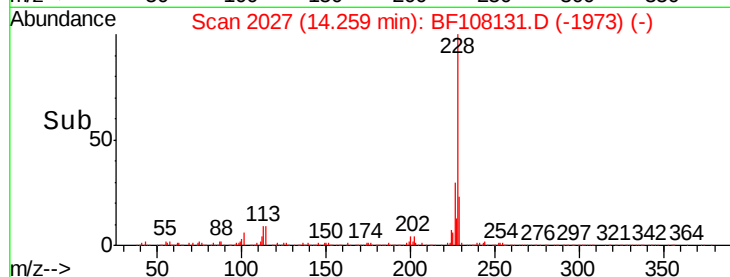
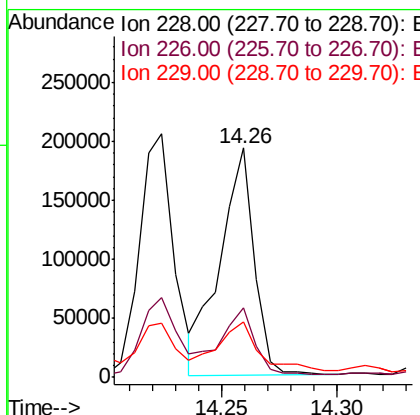
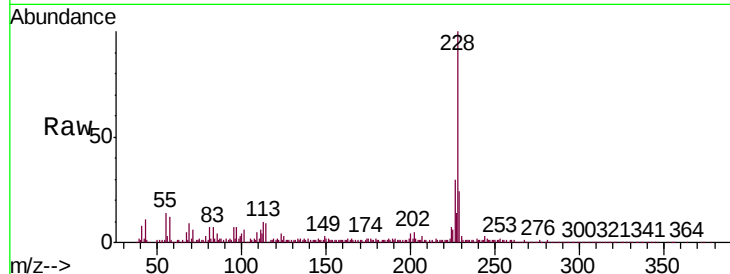
#82
Chrysene
Concen: 8.099 ng
RT: 14.26 min Scan# 2027
Delta R.T. 0.02 min
Lab File: BF108131.D
Acq: 13 Aug 2018 22:05

Instrument :
BNA_F
ClientSampled :
RB47197

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	198066		
226	30.3	25.0	37.6	
229	24.0	16.2	24.4	

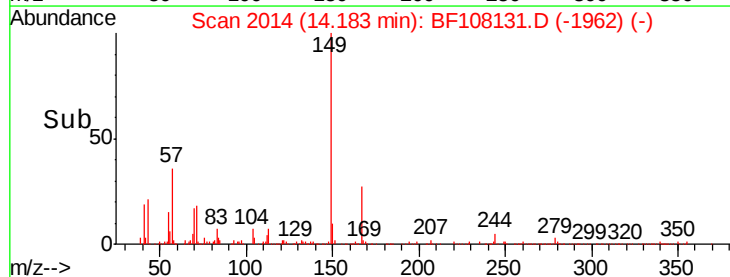
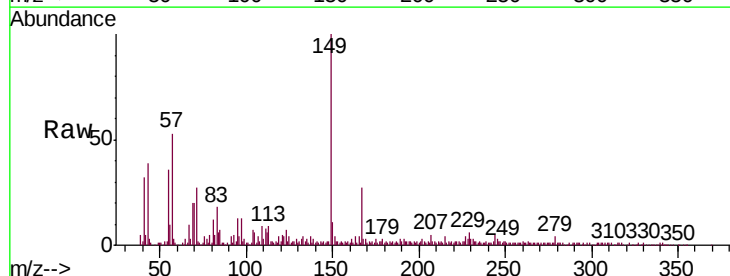
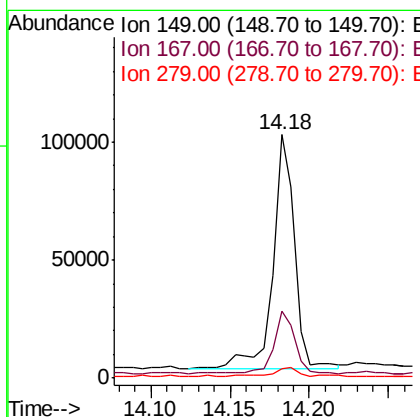
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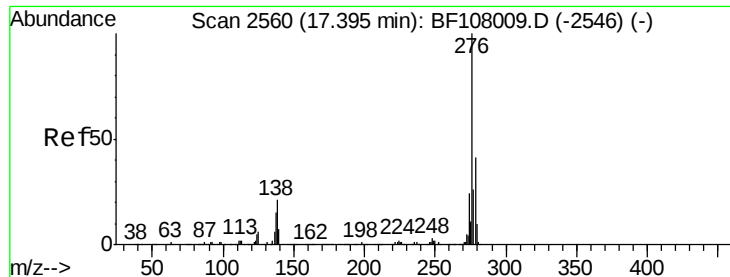
Sohil
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#83
Bis(2-ethylhexyl)phthalate
Concen: 5.882 ng
RT: 14.18 min Scan# 2014
Delta R.T. 0.01 min
Lab File: BF108131.D
Acq: 13 Aug 2018 22:05

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	93070		
167	27.4	21.3	31.9	
279	3.7	3.0	4.4	





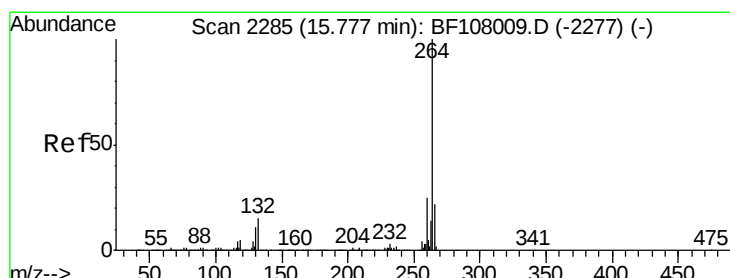
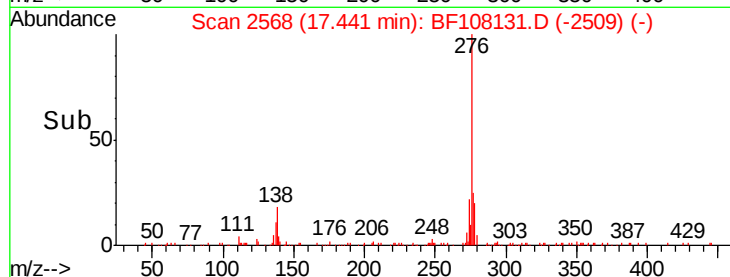
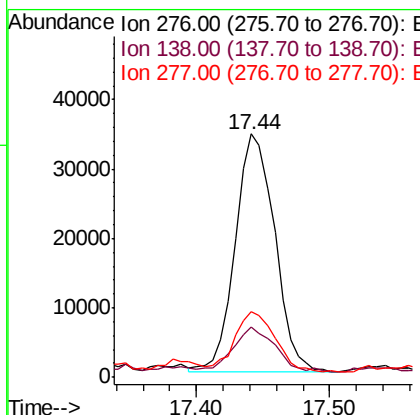
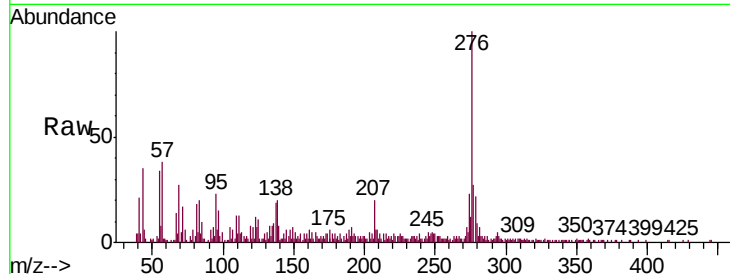
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.331 ng
RT: 17.44 min Scan# 2568
Delta R.T. 0.05 min
Lab File: BF108131.D
Acq: 13 Aug 2018 22:05

Instrument :
BNA_F
ClientSampleId :
RB47197

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.3	25.0	37.6#
277	25.4	20.1	30.1

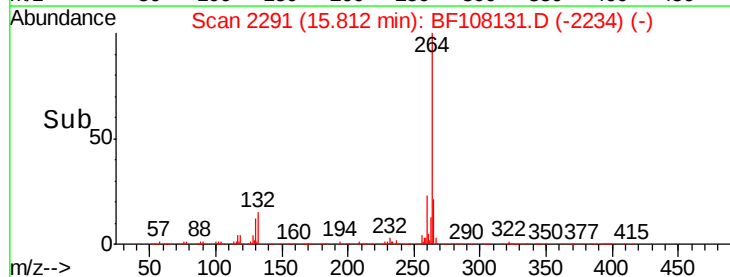
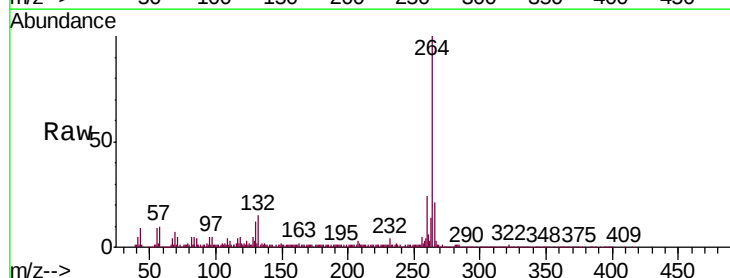
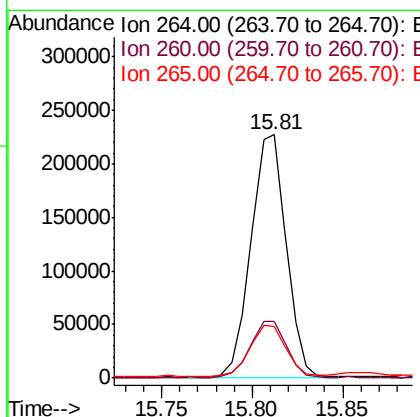
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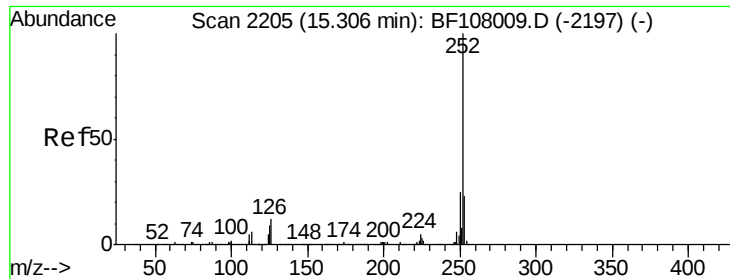
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.81 min Scan# 2291
Delta R.T. 0.04 min
Lab File: BF108131.D
Acq: 13 Aug 2018 22:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.1	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 10.159 ng m

RT: 15.33 min Scan# 2209

Delta R.T. 0.02 min

Lab File: BF108131.D

Acq: 13 Aug 2018 22:05

Instrument :

BNA_F

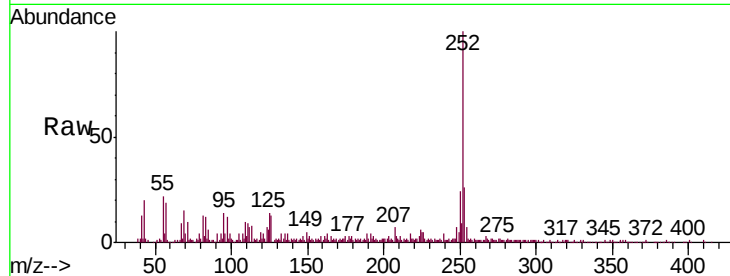
ClientSampled :

RB47197

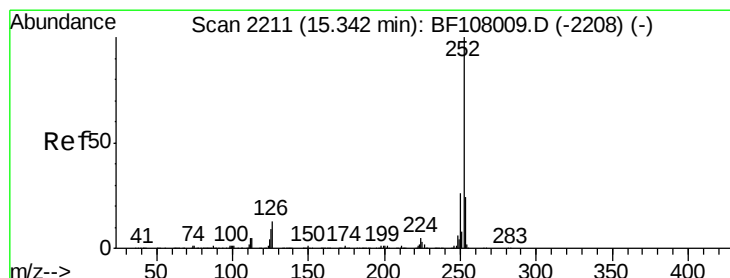
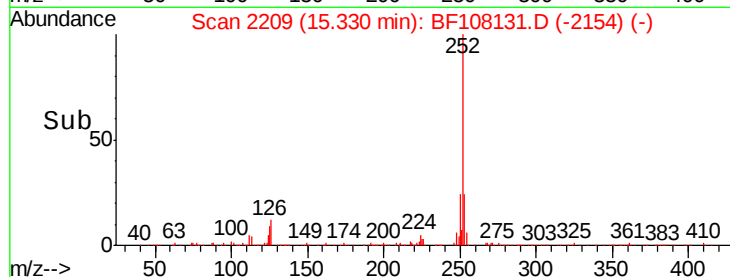
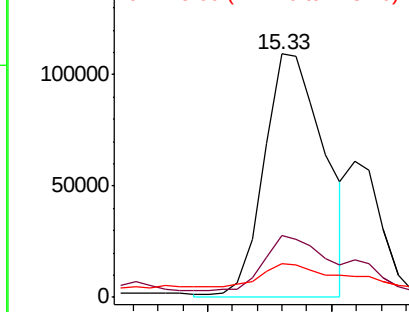
Tgt Ion:	252	Resp:	185784
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.0	25.6#
125	13.9	9.0	13.6#

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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



#88

Benzo(k)fluoranthene

Concen: 3.518 ng m

RT: 15.36 min Scan# 2214

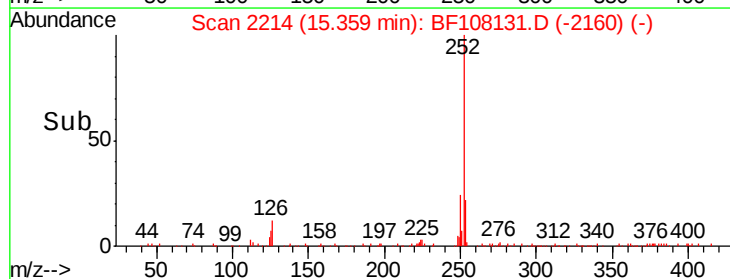
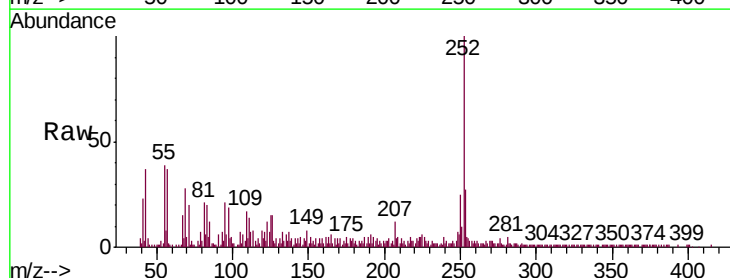
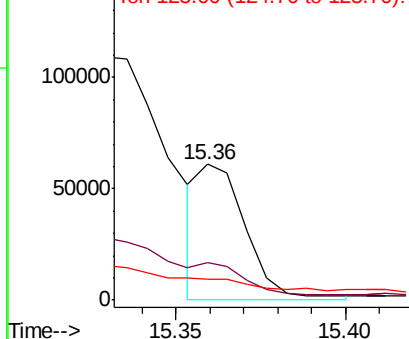
Delta R.T. 0.02 min

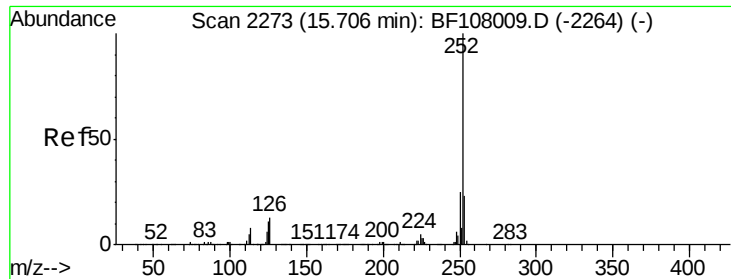
Lab File: BF108131.D

Acq: 13 Aug 2018 22:05

Tgt Ion:	252	Resp:	59132
Ion Ratio	Lower	Upper	
252	100		
253	27.2	17.9	26.9#
125	15.5	10.2	15.2#

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





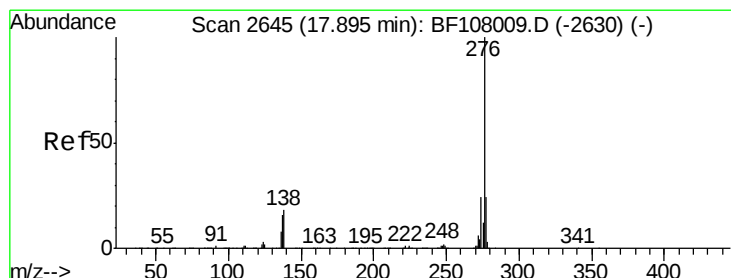
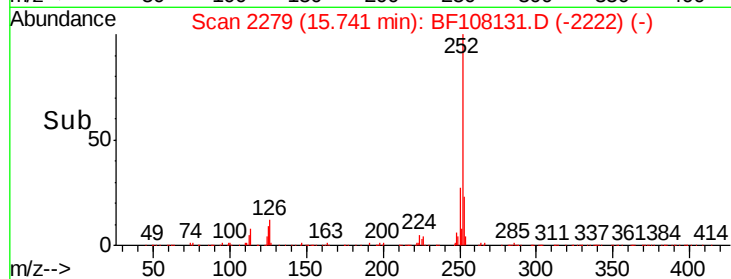
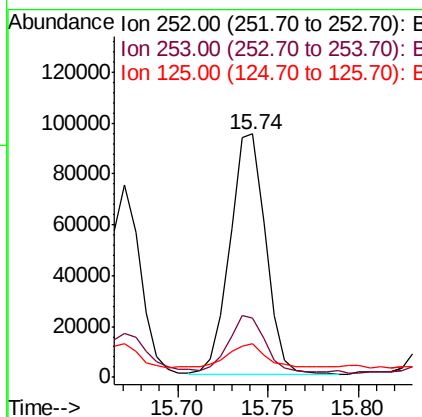
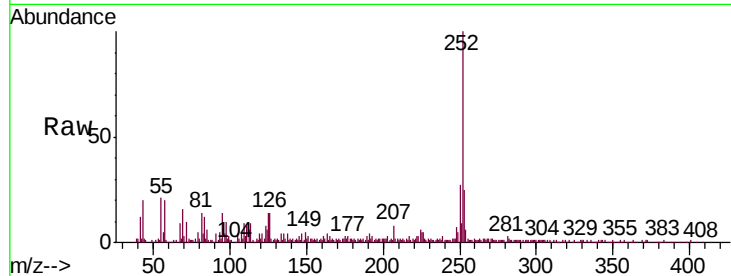
#89
Benzo(a)pyrene
Concen: 7.918 ng
RT: 15.74 min Scan# 2279
Delta R.T. 0.03 min
Lab File: BF108131.D
Acq: 13 Aug 2018 22:05

Instrument :
BNA_F
ClientSampleId :
RB47197

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.6	17.1	25.7
125	14.1	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.180 ng
RT: 17.94 min Scan# 2653
Delta R.T. 0.05 min
Lab File: BF108131.D
Acq: 13 Aug 2018 22:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	25.5	17.9	26.9
138	22.6	21.8	32.8

