

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
 Data File : BF108305.D
 Acq On : 20 Aug 2018 22:07
 Operator : JU/SJ
 Sample : J4277-07 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-081718-B

Manual Integrations
 APPROVED

Sohil
 8/21/2018 1:43:17 PM

Quant Time: Aug 21 01:55:15 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	164742	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	564052	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	239439	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	408360	20.00	ng	0.00
75) Chrysene-d12	14.22	240	289912	20.00	ng	0.00
86) Perylene-d12	15.79	264	230248	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	360453	39.61	ng	0.01
7) Phenol-d6	6.63	99	466188	38.55	ng	0.00
23) Nitrobenzene-d5	7.58	82	275531	27.26	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	86963	36.41	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	494467	33.15	ng	0.00
78) Terphenyl-d14	13.15	244	415071	36.40	ng	0.00
Target Compounds						
48) Acenaphthylene	9.92	152	52957	2.401	ng	97
51) Acenaphthene	10.10	154	34374	2.544	ng	97
57) Fluorene	10.61	166	64192	4.143	ng	99
70) Phenanthrene	11.58	178	543247	28.205	ng	99
71) Anthracene	11.64	178	153098	7.755	ng	99
74) Fluoranthene	12.78	202	635821	30.247	ng	96
77) Pyrene	13.02	202	670457	36.528	ng	99
80) Benzo(a)anthracene	14.21	228	252794	15.194	ng	95
82) Chrysene	14.24	228	225409m	14.777	ng	
85) Indeno(1,2,3-cd)pyrene	17.41	276	71786	5.432	ng	# 89
87) Benzo(b)fluoranthene	15.31	252	210864m	15.326	ng	
88) Benzo(k)fluoranthene	15.34	252	53864m	4.259	ng	
89) Benzo(a)pyrene	15.72	252	153226	12.437	ng	97
90) Dibenzo(a,h)anthracene	17.42	278	21659	2.125	ng	# 68
91) Benzo(a,h,i)perylene	17.91	276	70955	7.069	ng	# 90

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

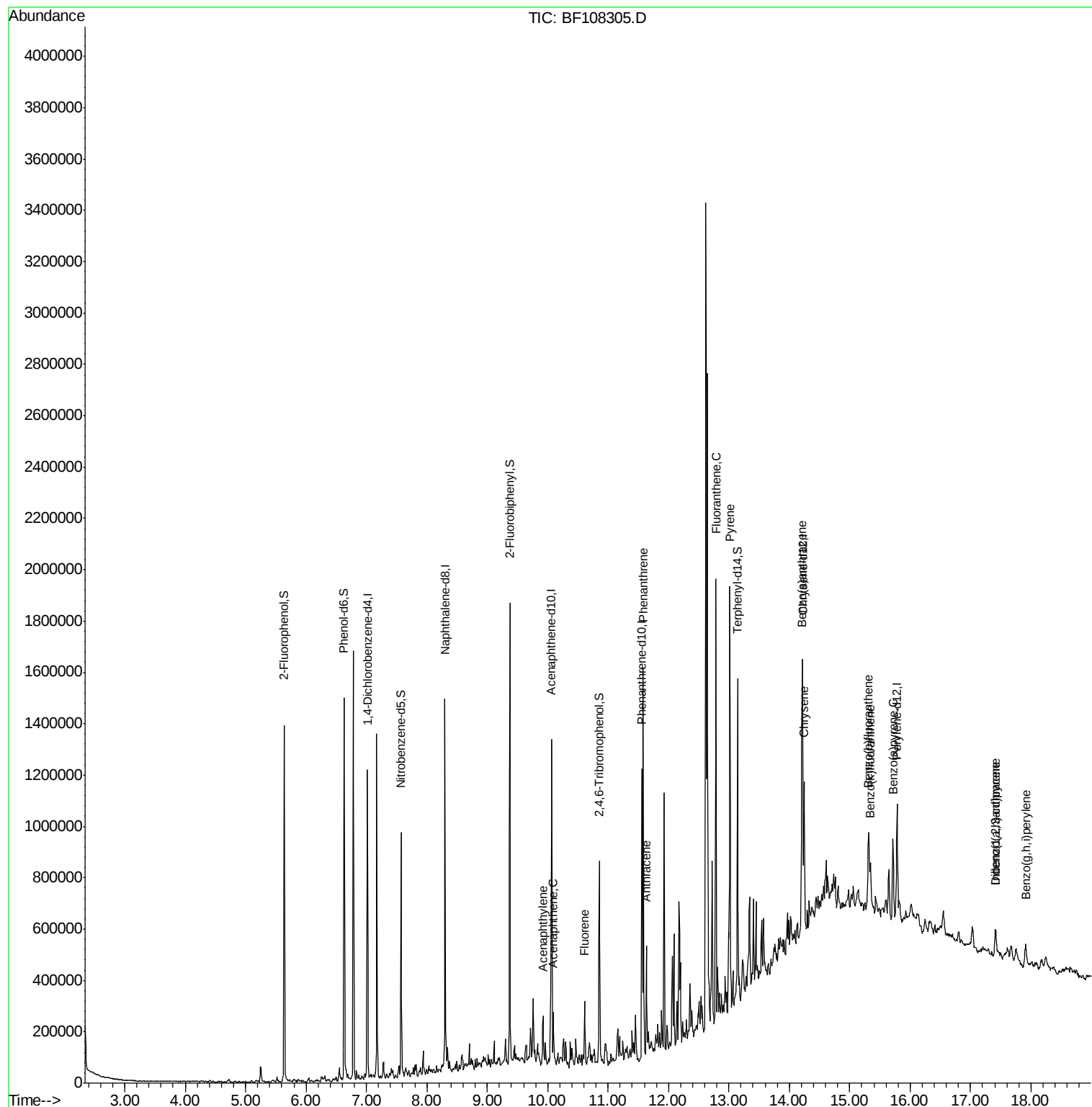
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
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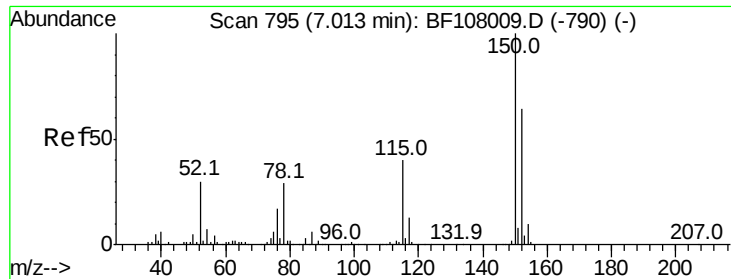
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#1

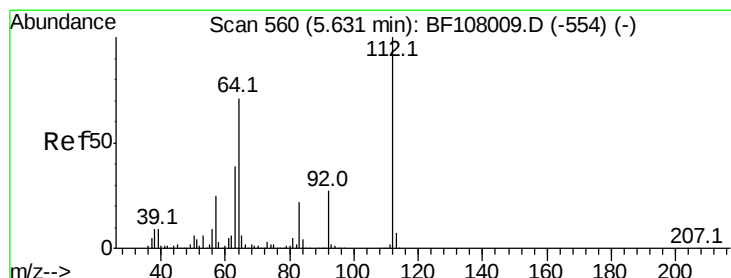
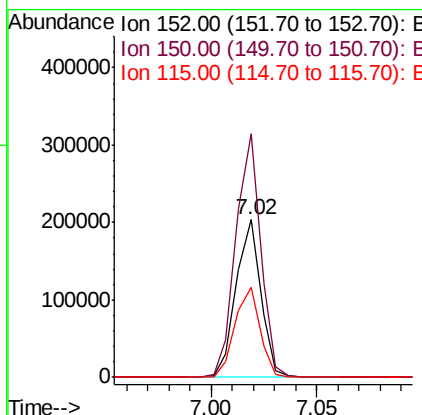
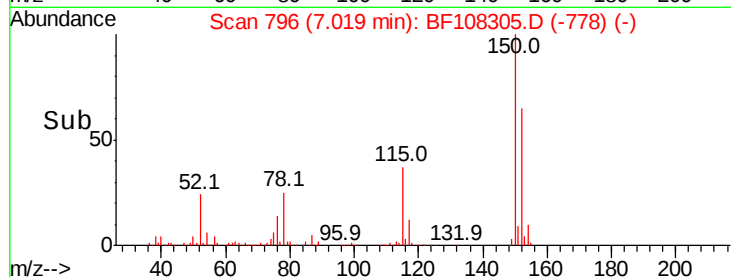
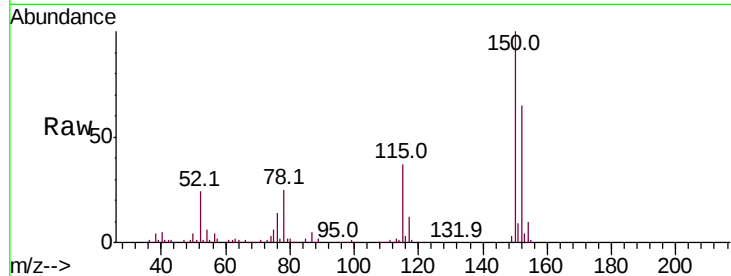
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108305.D
Acq: 20 Aug 2018 22:07

Instrument :
BNA_F
ClientSampleId :
OR-03-081718-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.6	186.8
115	57.5	50.1	75.1

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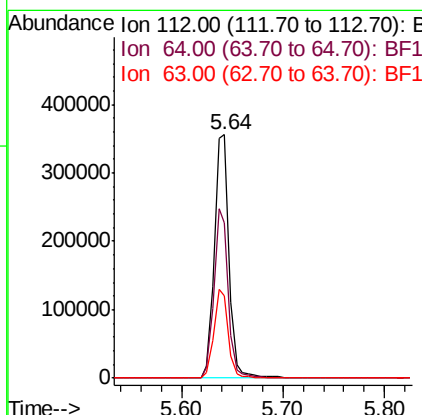
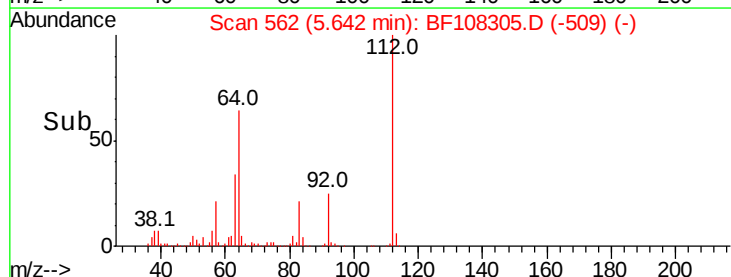
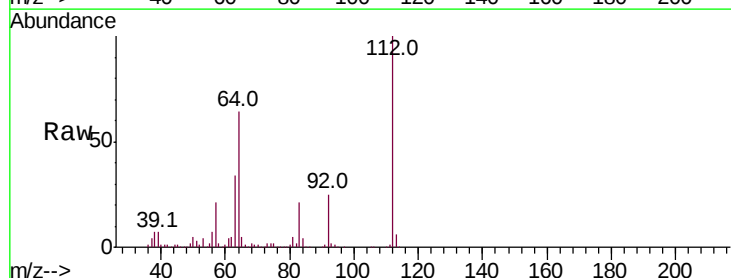
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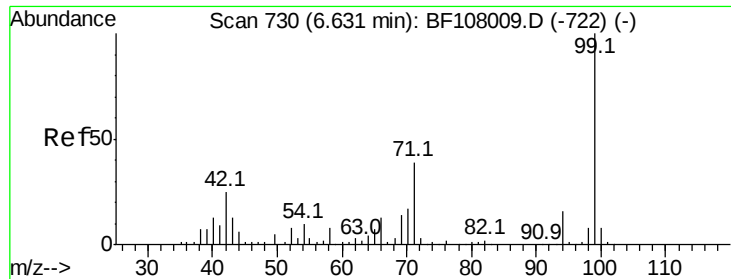


#5

2-Fluorophenol
Concen: 39.612 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108305.D
Acq: 20 Aug 2018 22:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	47.9	71.9
63	33.6	23.7	35.5





#7

Phenol-d6

Concen: 38.553 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108305.D

Acq: 20 Aug 2018 22:07

Instrument :

BNA_F

ClientSampleId :

OR-03-081718-B

Tot Ion: 99 Resp: 466188

Ion Ratio Lower Upper

99 100

42 23.0 14.5 21.7#

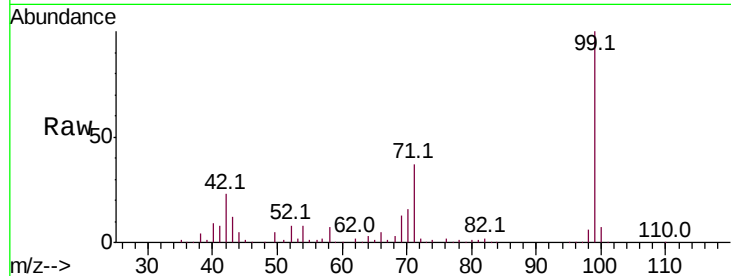
71 37.0 25.4 38.0

Manual Integrations

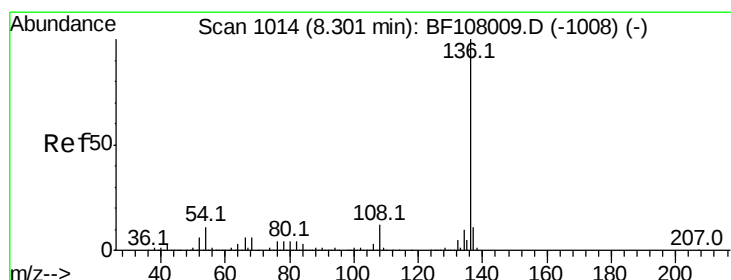
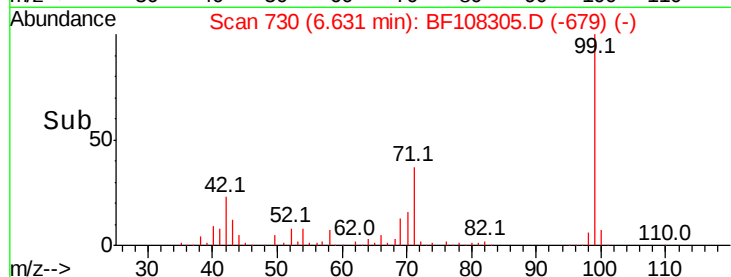
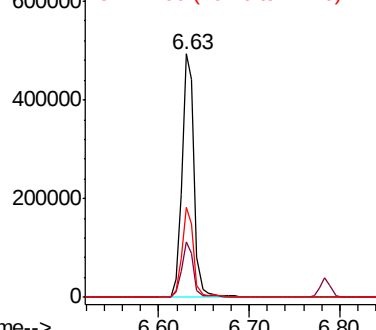
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108305.D

Acq: 20 Aug 2018 22:07

Tgt Ion: 136 Resp: 564052

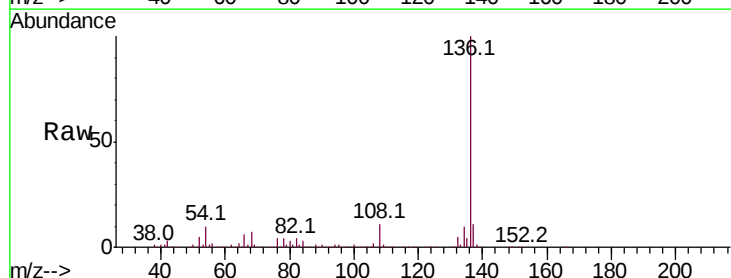
Ion Ratio Lower Upper

136 100

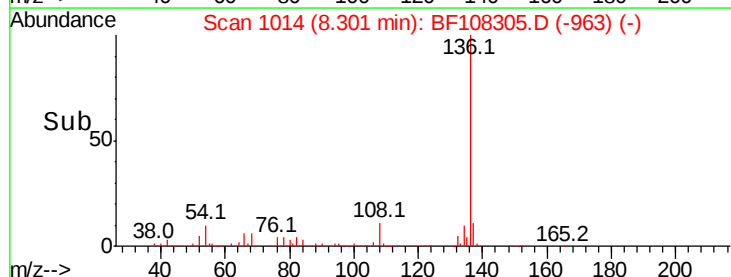
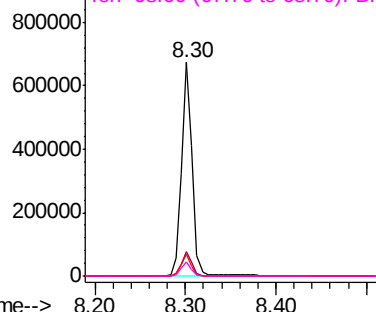
137 11.4 8.9 13.3

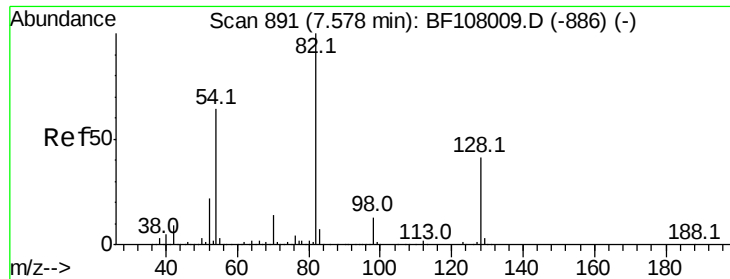
54 10.0 6.6 9.8#

68 6.5 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





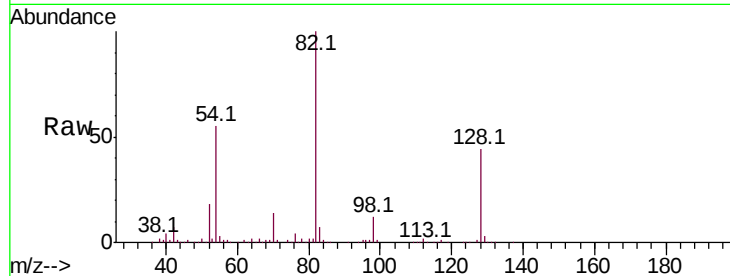
#23
 Nitrobenzene-d5
 Concen: 27.258 ng
 RT: 7.58 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: BF108305.D
 Acq: 20 Aug 2018 22:07

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-081718-B

Tot Ion	Ratio	Resp	Lower	Upper
82	100	275531		
128	43.8		36.1	54.1
54	55.0		41.4	62.2

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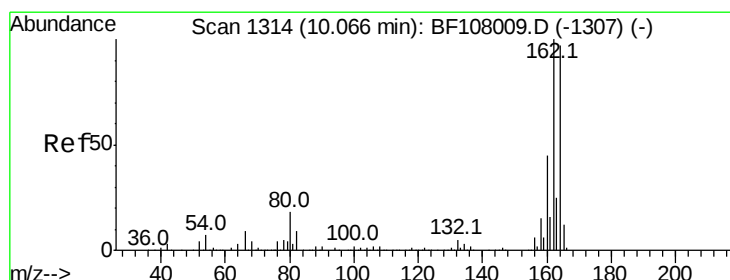
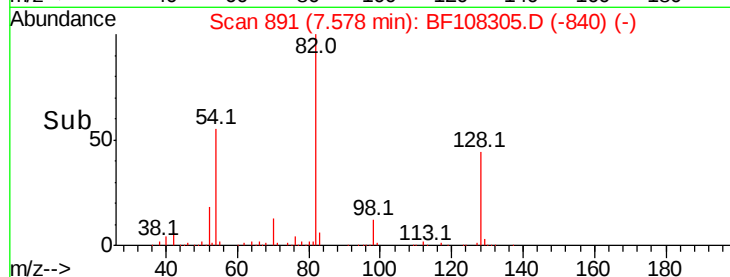
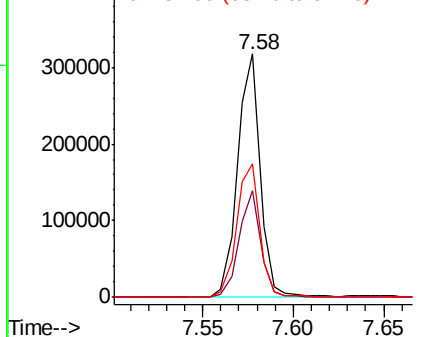


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: BF108305.D
 Acq: 20 Aug 2018 22:07

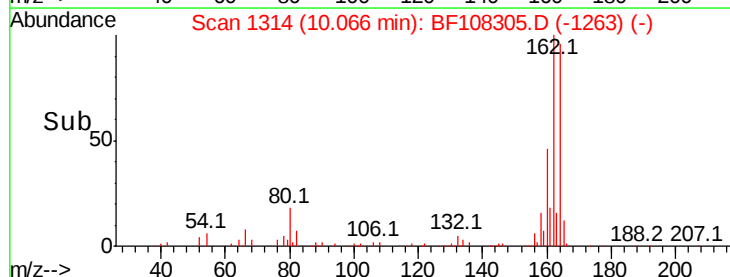
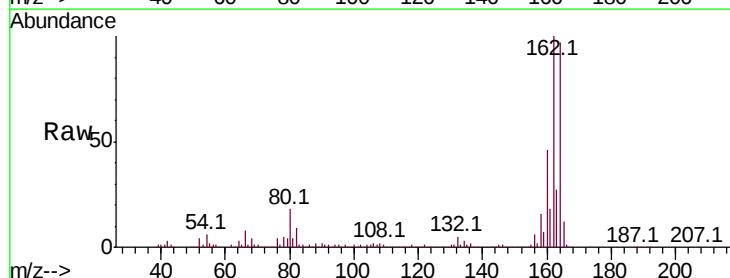
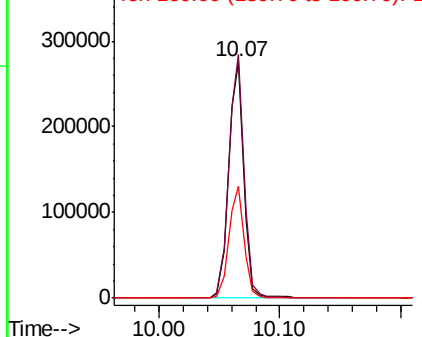
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	239439		
162	103.0		86.1	129.1
160	47.1		38.3	57.5

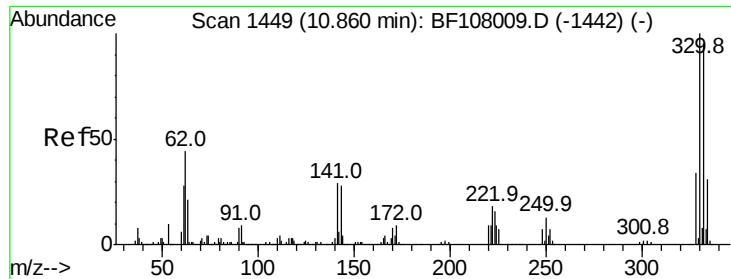
Abundance

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





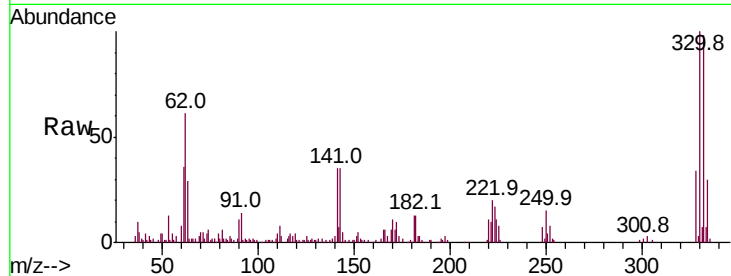
#41
 2,4,6-Tribromophenol
 Concen: 36.411 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108305.D
 Acq: 20 Aug 2018 22:07

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-081718-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.8	77.0	115.6	
141	33.5	29.9	44.9	

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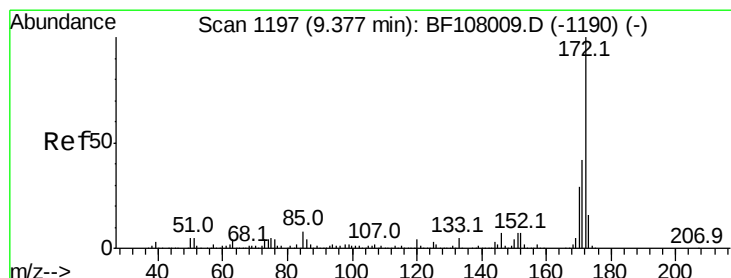
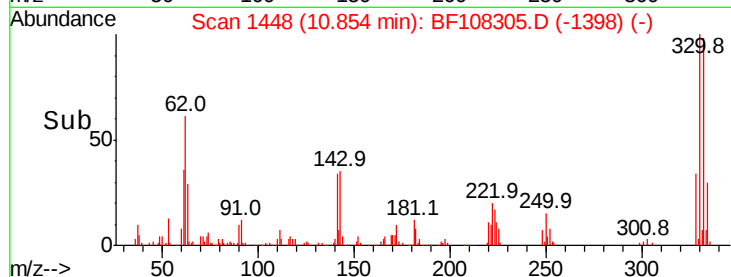
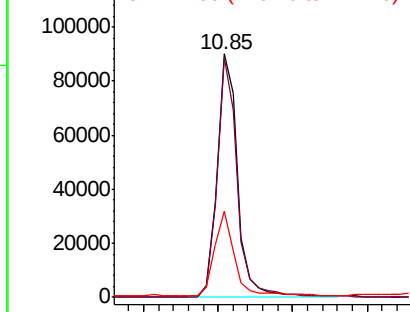


Abundance

Ion 329.80 (329.50 to 330.50): E

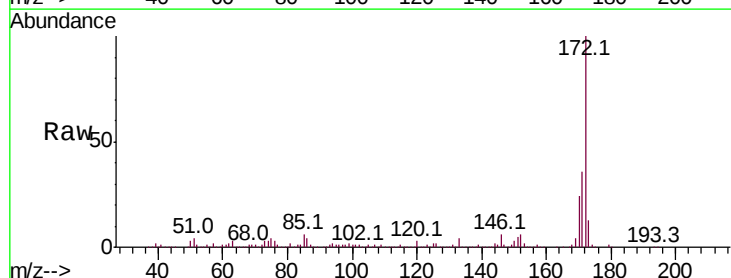
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 33.155 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108305.D
 Acq: 20 Aug 2018 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.6	29.7	44.5	
170	24.0	19.6	29.4	

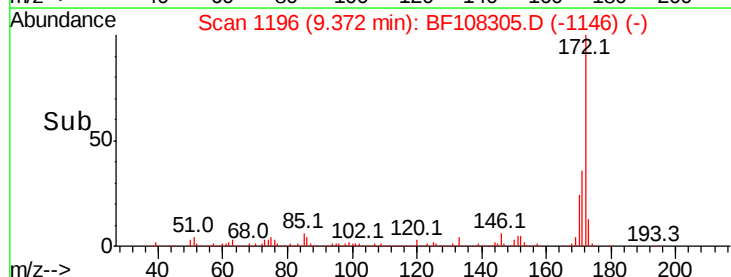
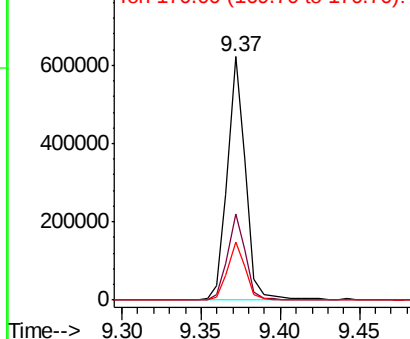


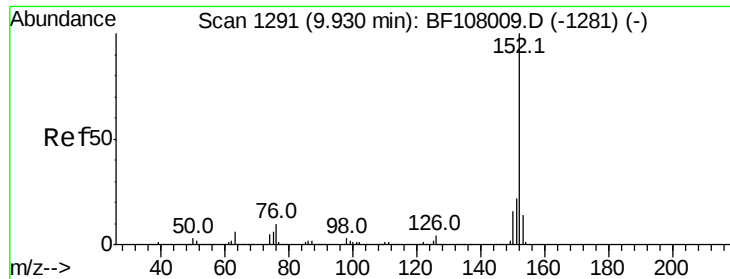
Abundance

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





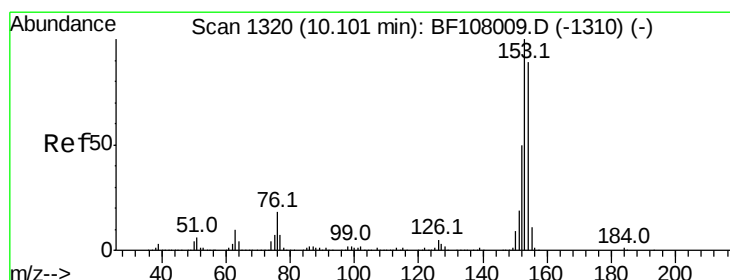
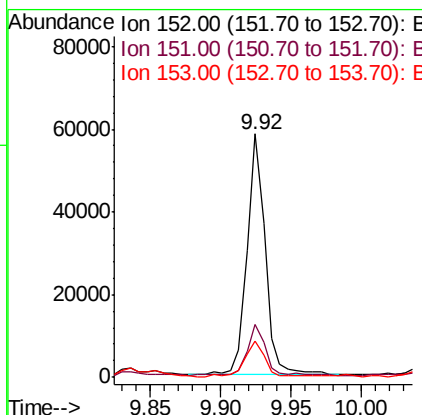
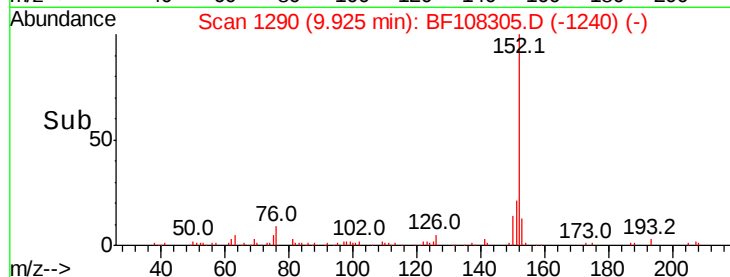
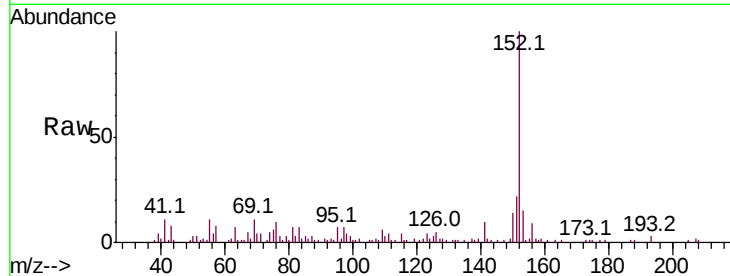
#48
Acenaphthylene
Concen: 2.401 ng
RT: 9.92 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BF108305.D
Acq: 20 Aug 2018 22:07

Instrument :
BNA_F
ClientSampleId :
OR-03-081718-B

Tot Ion	Ratio	Resp	Lower	Upper
152	100	52957		
151	21.7		16.3	24.5
153	14.9		10.7	16.1

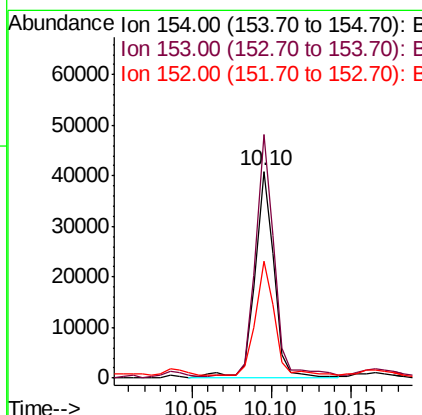
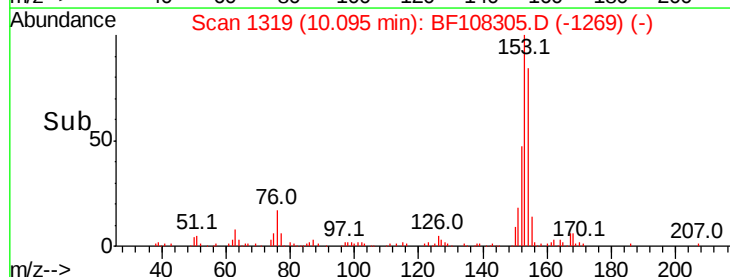
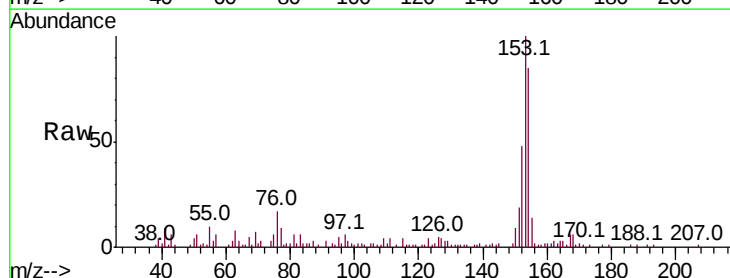
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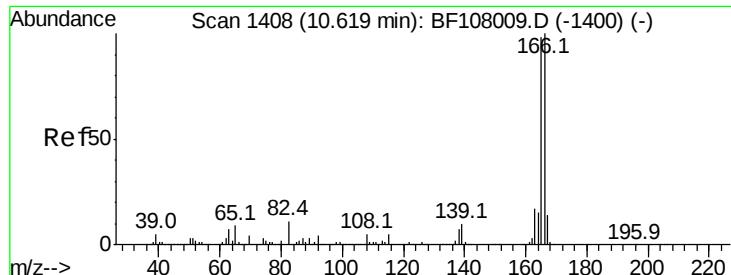
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#51
Acenaphthene
Concen: 2.544 ng
RT: 10.10 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF108305.D
Acq: 20 Aug 2018 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	34374		
153	117.7		91.2	136.8
152	56.3		43.8	65.8





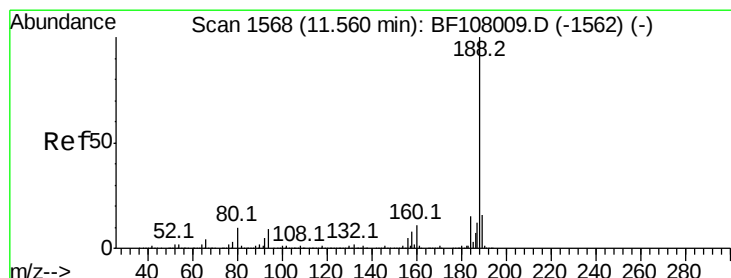
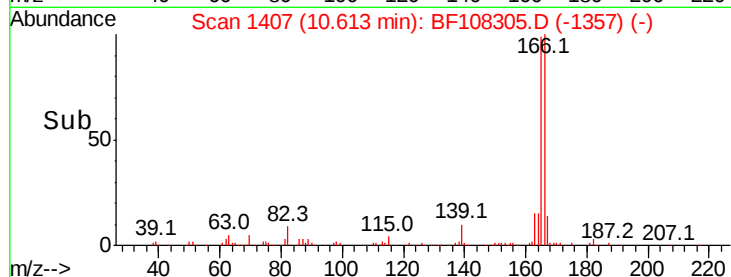
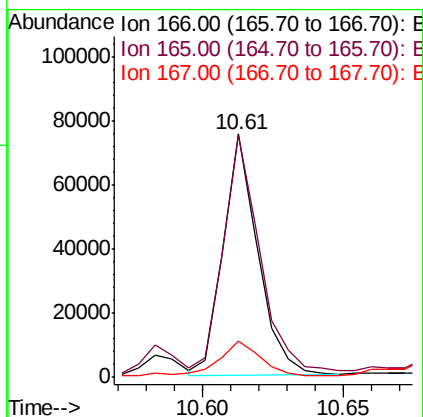
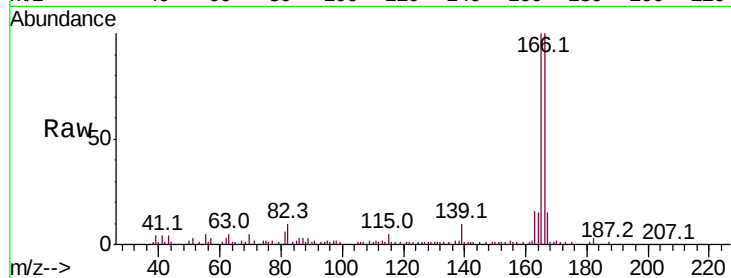
#57
Fluorene
 Concen: 4.143 ng
 RT: 10.61 min Scan# 1407
 Delta R.T. -0.01 min
 Lab File: BF108305.D
 Acq: 20 Aug 2018 22:07

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-081718-B

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.8	119.8
167	14.9	10.6	16.0

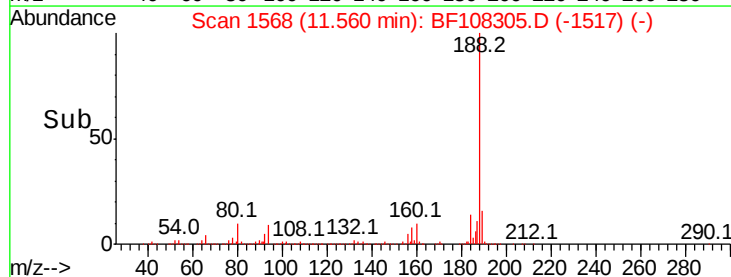
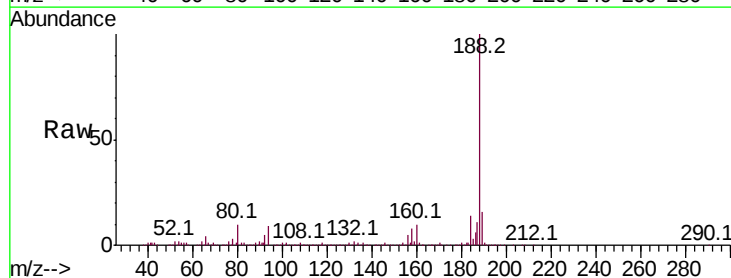
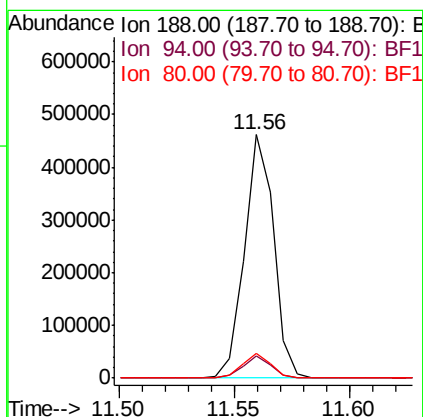
Manual Integrations
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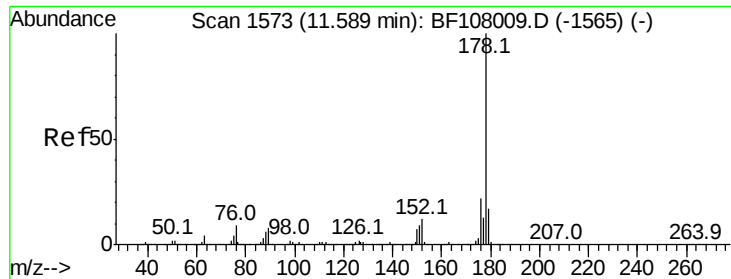
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF108305.D
 Acq: 20 Aug 2018 22:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	10.1	9.2	13.8





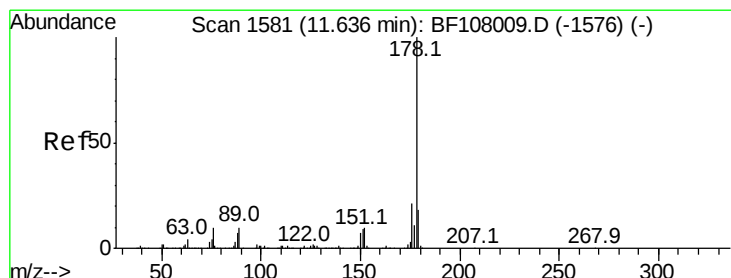
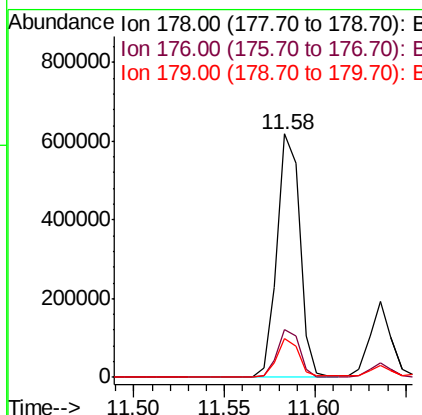
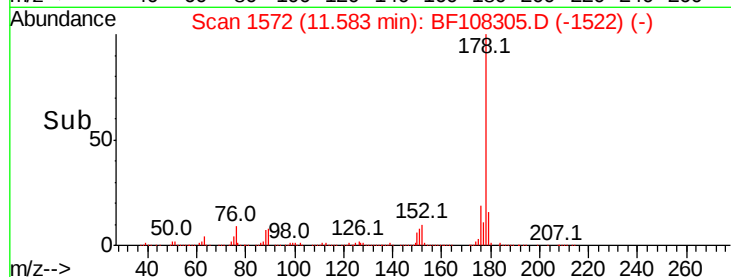
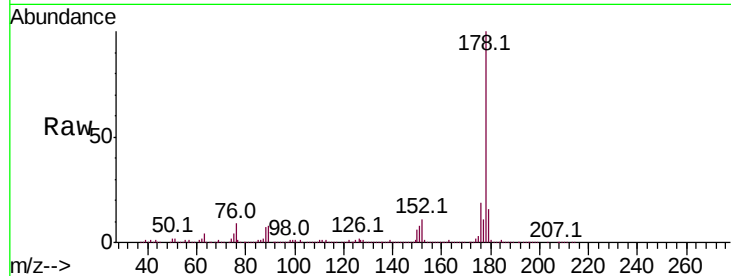
#70
Phenanthrene
Concen: 28.205 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF108305.D
Acq: 20 Aug 2018 22:07

Instrument :
BNA_F
ClientSampleId :
OR-03-081718-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	16.0	13.0	19.6

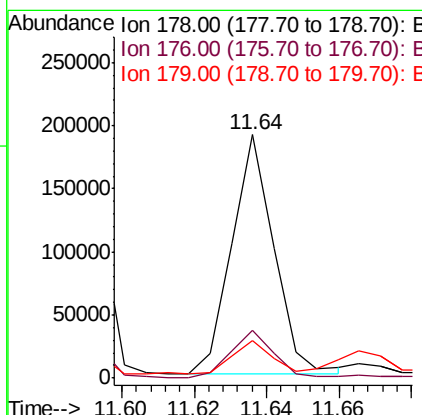
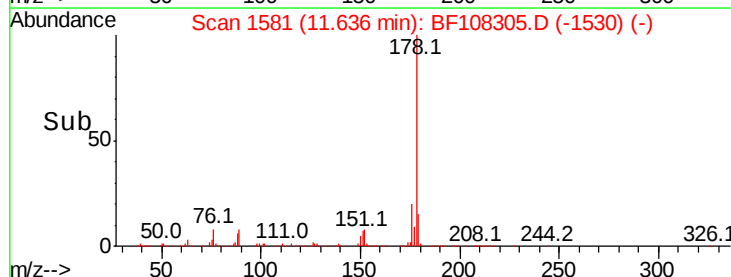
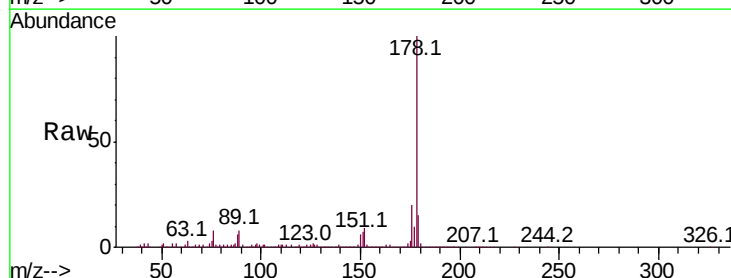
Manual Integrations
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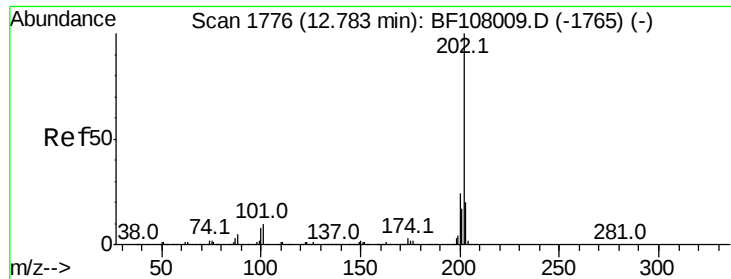
Sohil
8/21/2018 1:43:17 PM



#71
Anthracene
Concen: 7.755 ng
RT: 11.64 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BF108305.D
Acq: 20 Aug 2018 22:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	15.4	12.6	19.0





#74

Fluoranthene

Concen: 30.247 ng

RT: 12.78 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF108305.D

Acq: 20 Aug 2018 22:07

Instrument :

BNA_F

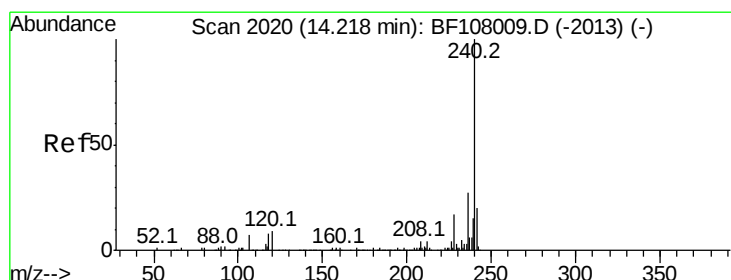
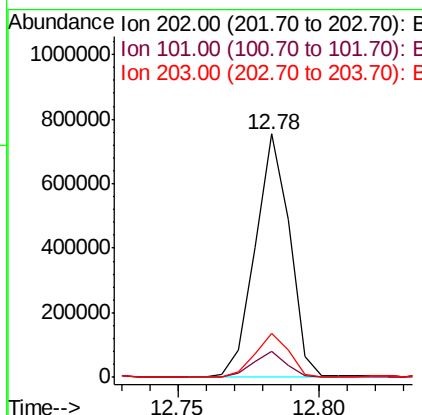
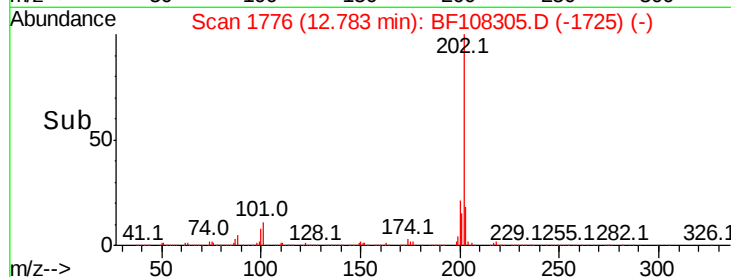
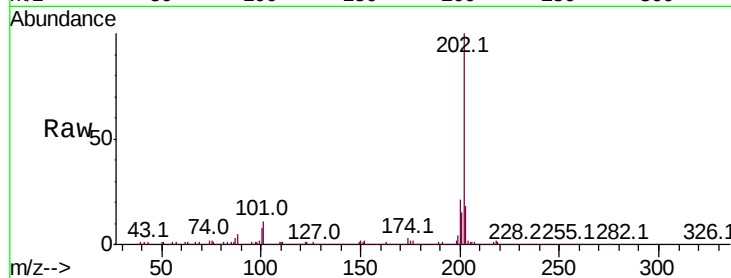
ClientSampleId :

OR-03-081718-B

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	10.6	0.0	34.1	
203	18.0	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

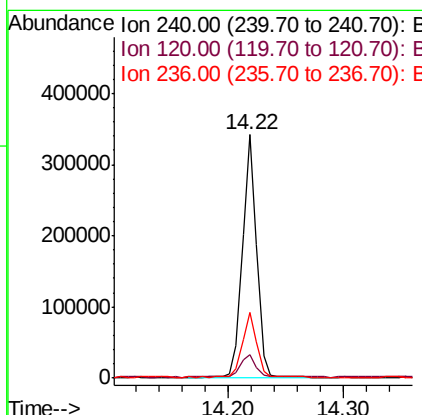
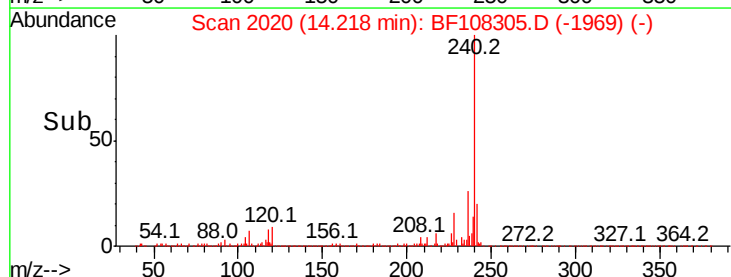
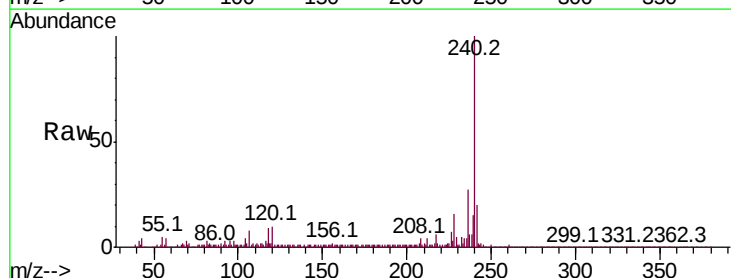
RT: 14.22 min Scan# 2020

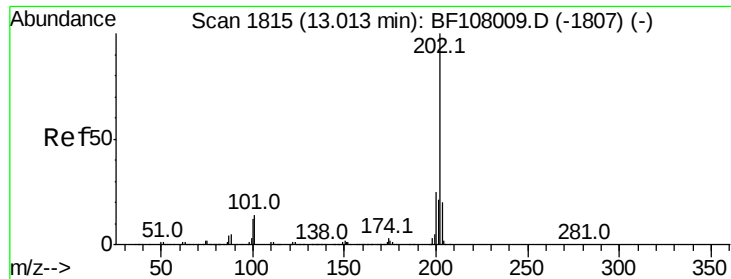
Delta R.T. 0.00 min

Lab File: BF108305.D

Acq: 20 Aug 2018 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	9.6	9.5	14.3	
236	26.8	20.7	31.1	





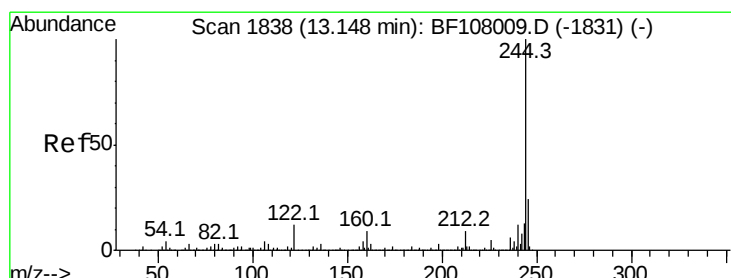
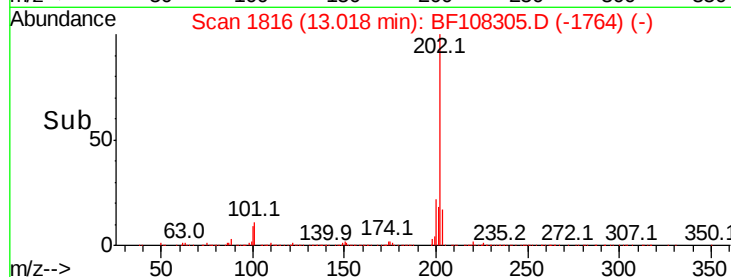
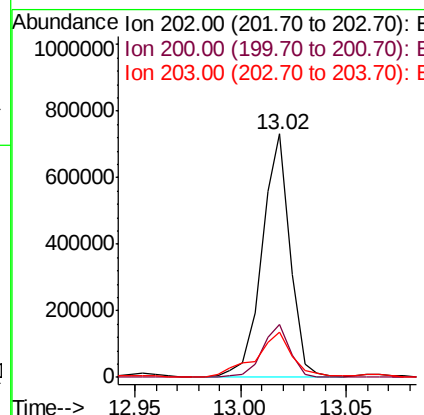
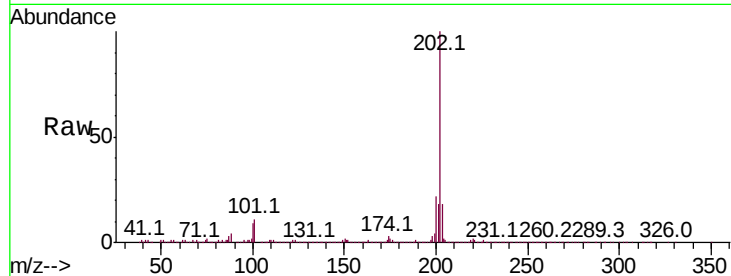
#77
Pvrene
Concen: 36.528 ng
RT: 13.02 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF108305.D
Acq: 20 Aug 2018 22:07

Instrument :
BNA_F
ClientSampleId :
OR-03-081718-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.5	14.3	21.5

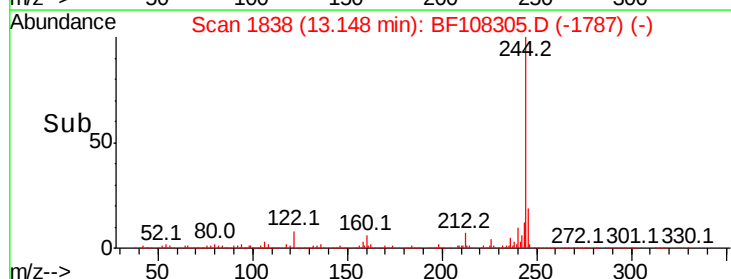
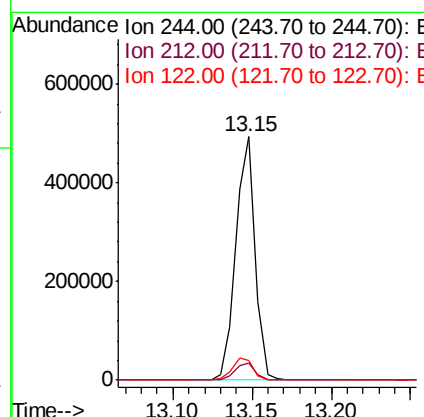
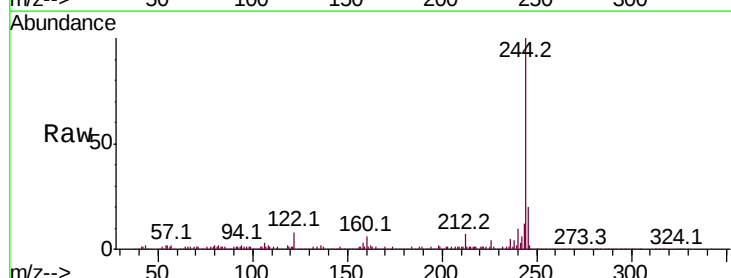
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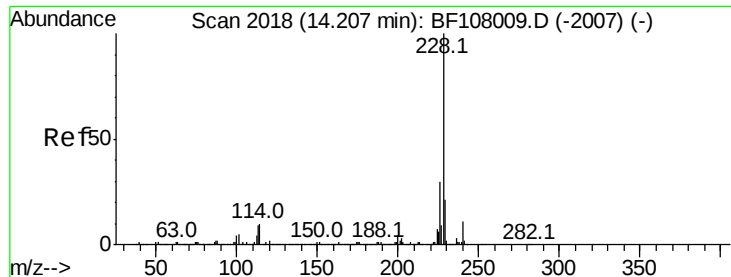
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#78
Terphenyl-d14
Concen: 36.402 ng
RT: 13.15 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BF108305.D
Acq: 20 Aug 2018 22:07

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	5.4	8.0
122	8.0	11.0	16.4#





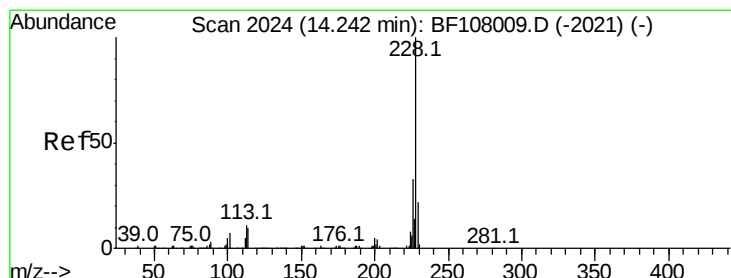
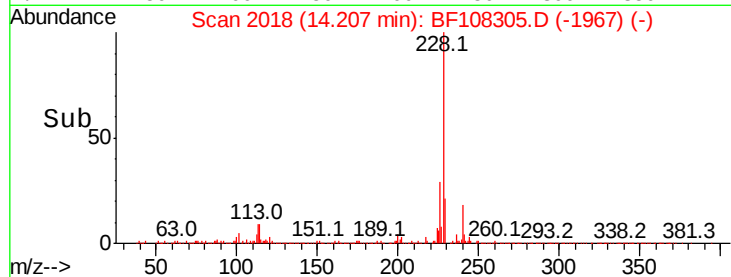
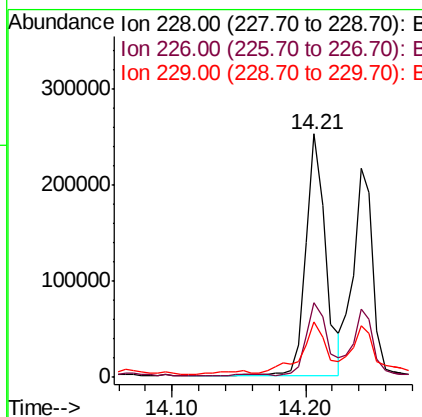
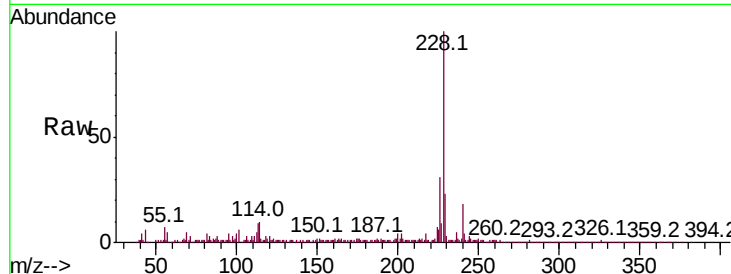
#80
Benzo(a)anthracene
Concen: 15.194 ng
RT: 14.21 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF108305.D
Acq: 20 Aug 2018 22:07

Instrument :
BNA_F
ClientSampleId :
OR-03-081718-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.6	33.8
229	22.7	15.8	23.6

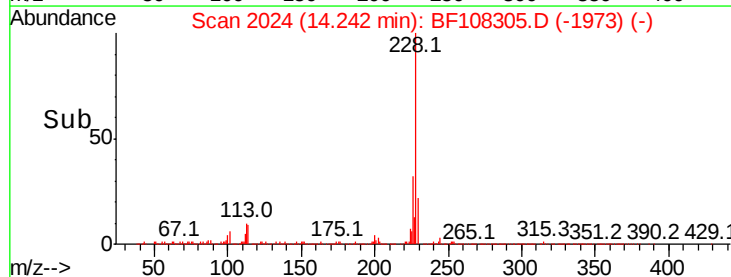
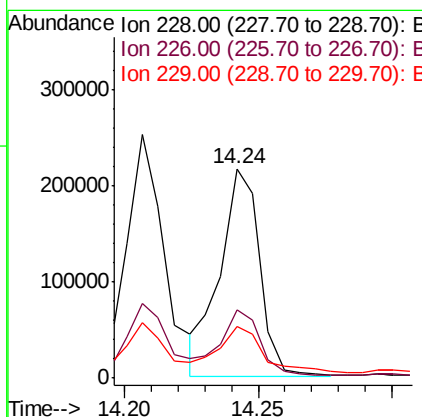
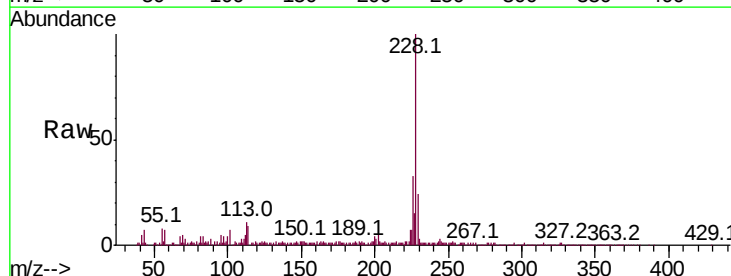
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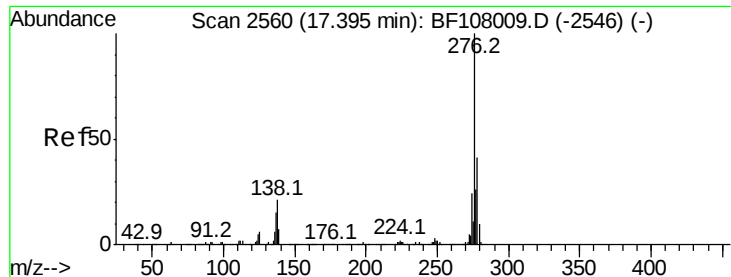
Sohil
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#82
Chrysene
Concen: 14.777 ng m
RT: 14.24 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF108305.D
Acq: 20 Aug 2018 22:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.8	25.0	37.6
229	24.4	16.2	24.4#





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.432 ng

RT: 17.41 min Scan# 2563

Delta R.T. 0.02 min

Lab File: BF108305.D

Acq: 20 Aug 2018 22:07

Instrument :

BNA_F

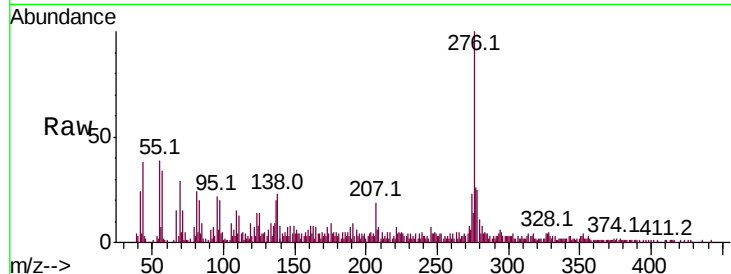
ClientSampleId :

OR-03-081718-B

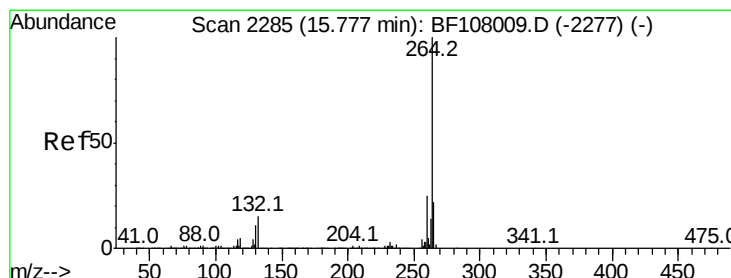
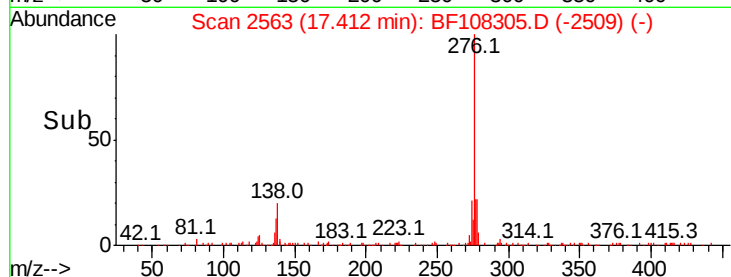
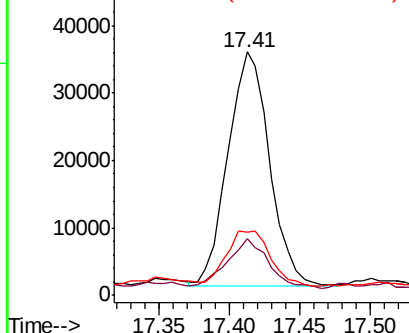
Tot Ion:	276	Resp:	71786
Ion Ratio	Lower	Upper	
276	100		
138	20.7	25.0	37.6#
277	25.9	20.1	30.1

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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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.79 min Scan# 2287

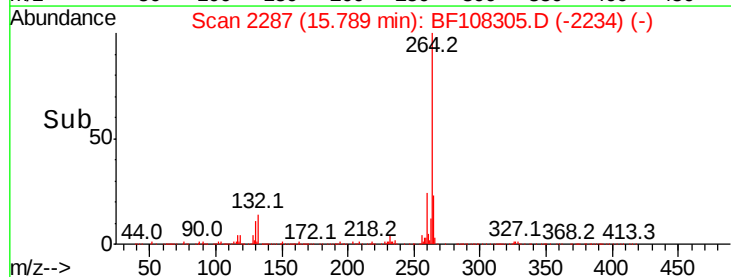
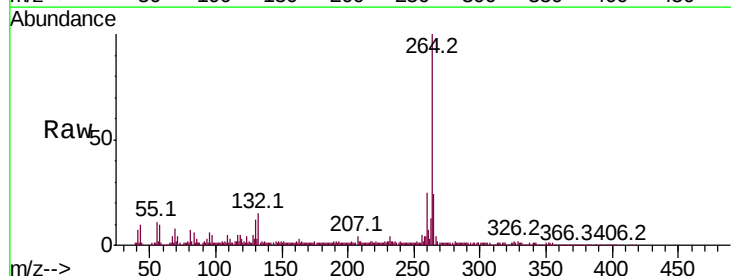
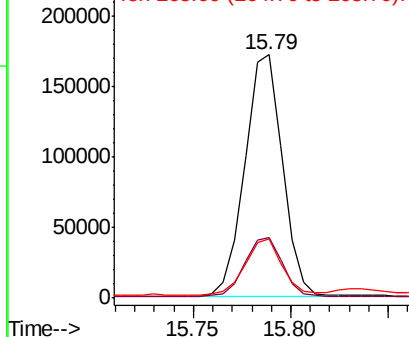
Delta R.T. 0.01 min

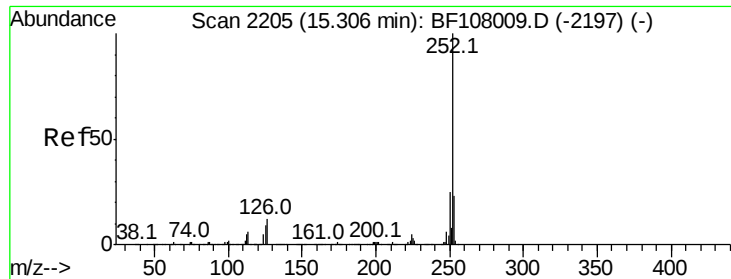
Lab File: BF108305.D

Acq: 20 Aug 2018 22:07

Tgt Ion:	264	Resp:	230248
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.2	28.8
265	24.2	17.5	26.3

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





#87

Benzo(b)fluoranthene

Concen: 15.326 ng m

RT: 15.31 min Scan# 2206

Delta R.T. 0.01 min

Lab File: BF108305.D

Acq: 20 Aug 2018 22:07

Instrument :

BNA_F

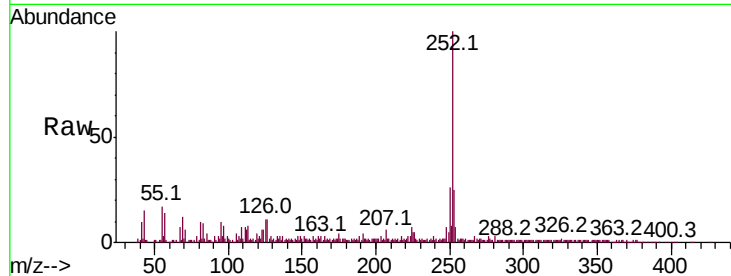
ClientSampleId :

OR-03-081718-B

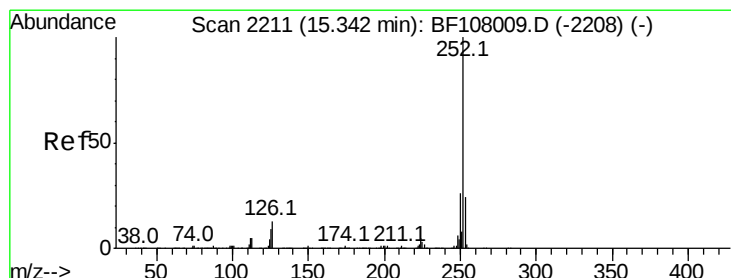
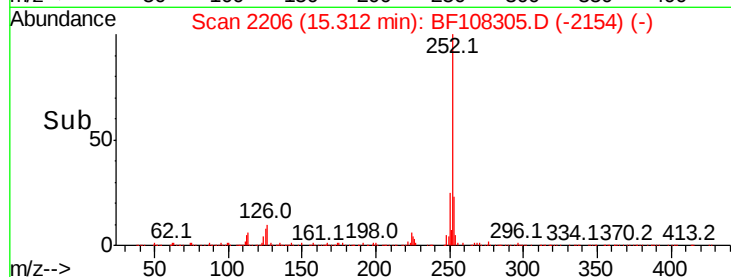
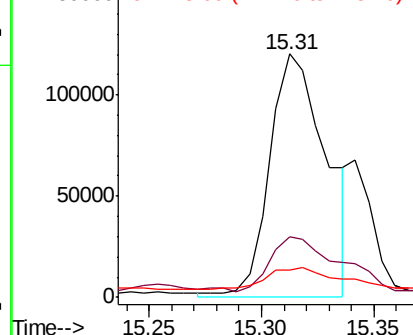
Tot Ion:	252	Resp:	210864
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.0	25.6
125	11.4	9.0	13.6

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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: 4.259 ng m

RT: 15.34 min Scan# 2211

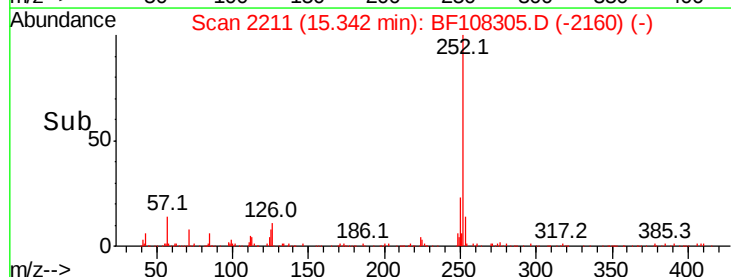
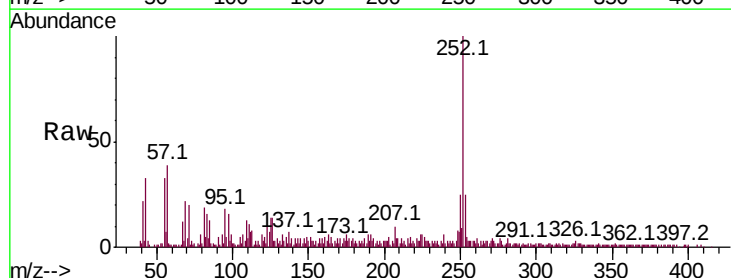
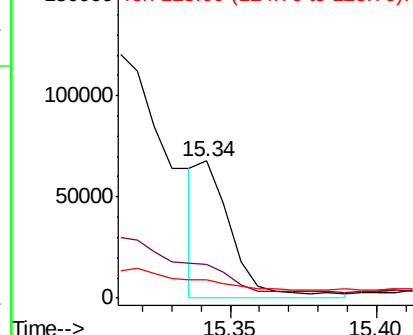
Delta R.T. 0.00 min

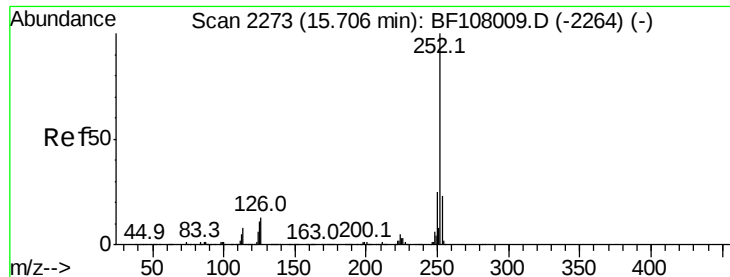
Lab File: BF108305.D

Acq: 20 Aug 2018 22:07

Tgt Ion:	252	Resp:	53864
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.9	26.9
125	13.7	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





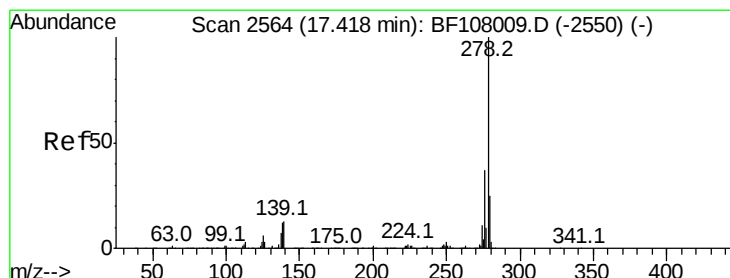
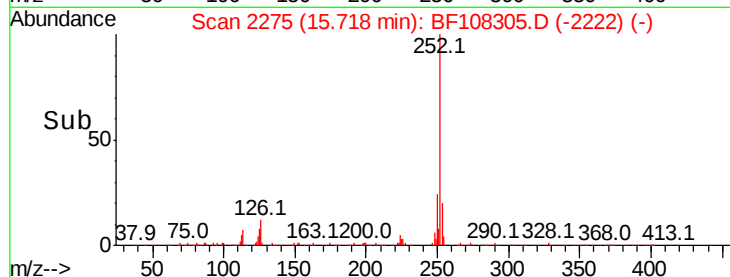
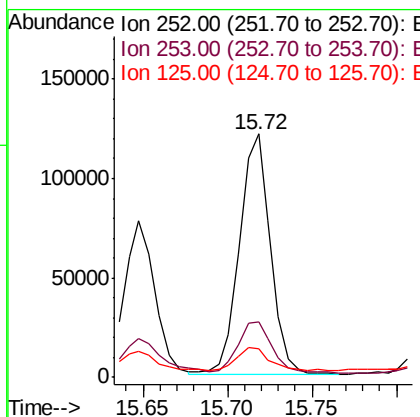
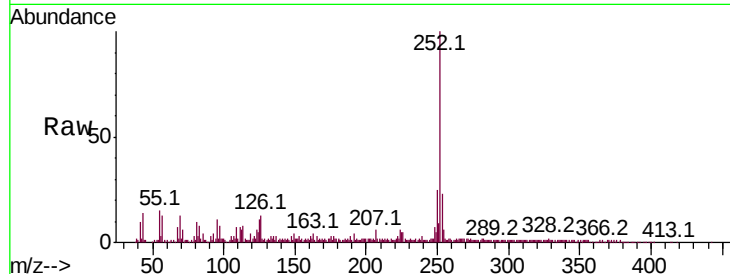
#89
Benzo(a)pyrene
Concen: 12.437 ng
RT: 15.72 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF108305.D
Acq: 20 Aug 2018 22:07

Instrument :
BNA_F
ClientSampleId :
OR-03-081718-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	11.5	9.8	14.6

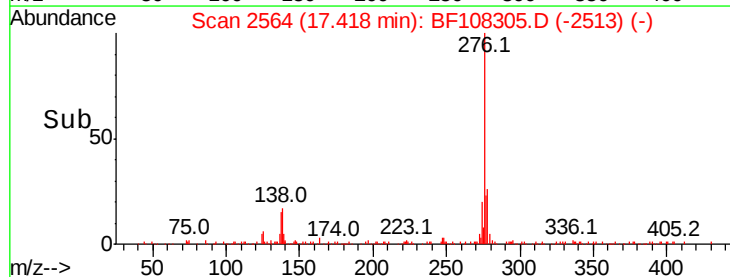
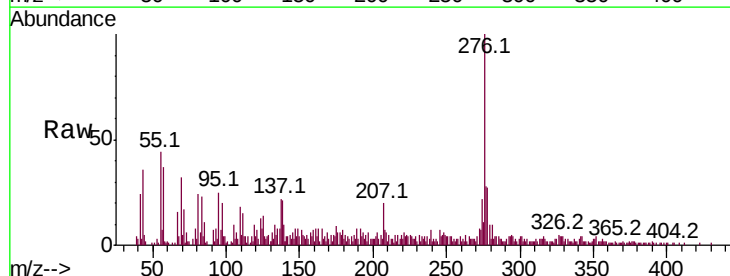
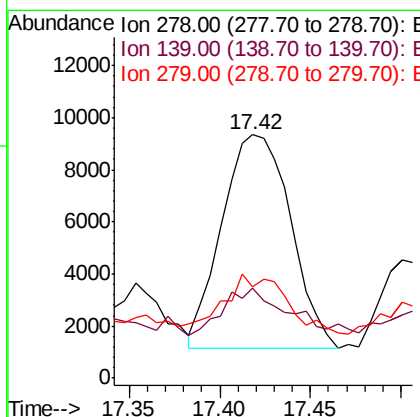
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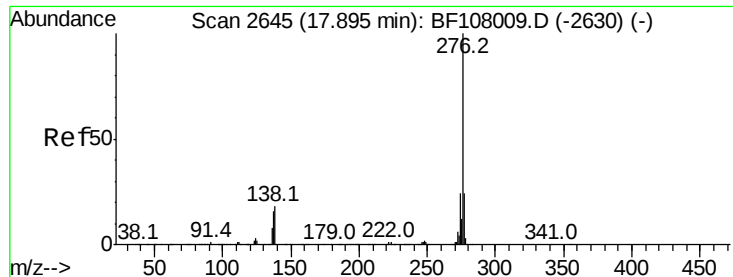
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 2.125 ng
RT: 17.42 min Scan# 2564
Delta R.T. 0.00 min
Lab File: BF108305.D
Acq: 20 Aug 2018 22:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	37.1	15.9	23.9#
279	37.3	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 7.069 ng
 RT: 17.91 min Scan# 2648
 Delta R.T. 0.02 min
 Lab File: BF108305.D
 Acq: 20 Aug 2018 22:07

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-081718-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.7	17.9	26.9
138	21.1	21.8	32.8#

Manual Integrations
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