

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
 Data File : BF108350.D
 Acq On : 21 Aug 2018 21:09
 Operator : JU/SJ
 Sample : J4274-03DL 50X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-081718DL

Manual Integrations
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Quant Time: Aug 22 00:25:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 21 15:20:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	177865	20.00	ng	-0.01
21) Naphthalene-d8	8.29	136	686426	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	321857	20.00	ng	-0.02
63) Phenanthrene-d10	11.55	188	527688	20.00	ng	-0.01
75) Chrysene-d12	14.20	240	367135	20.00	ng	-0.02
86) Perylene-d12	15.75	264	353476	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	16048	1.63	ng	0.00
7) Phenol-d6	6.61	99	23660	1.81	ng	-0.02
23) Nitrobenzene-d5	7.56	82	14229	1.16	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	4559	1.42	ng	-0.02
44) 2-Fluorobiphenyl	9.36	172	30576	1.53	ng	-0.02
78) Terphenyl-d14	13.12	244	23246	1.61	ng	-0.02
Target Compounds						
51) Acenaphthene	10.08	154	87075	4.795	ng	Qvalue 97
54) Dibenzofuran	10.25	168	81555	3.100	ng	100
57) Fluorene	10.60	166	114243	5.485	ng	97
70) Phenanthrene	11.57	178	1102815	44.309	ng	99
71) Anthracene	11.62	178	328601	12.881	ng	99
72) Carbazole	11.77	167	62236	2.746	ng	98
74) Fluoranthene	12.77	202	1403408	51.665	ng	94
77) Pyrene	13.00	202	1153244	49.616	ng	98
80) Benzo(a)anthracene	14.19	228	601018	28.525	ng	97
82) Chrysene	14.22	228	469447	24.303	ng	98
85) Indeno(1,2,3-cd)pyrene	17.37	276	217752	13.010	ng	# 88
87) Benzo(b)fluoranthene	15.29	252	611385m	28.946	ng	
88) Benzo(k)fluoranthene	15.32	252	211669m	10.902	ng	
89) Benzo(a)pyrene	15.69	252	416167m	22.003	ng	
90) Dibenzo(a,h)anthracene	17.37	278	56115m	3.586	ng	
91) Benzo(g,h,i)perylene	17.85	276	187278	12.153	ng	# 91

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

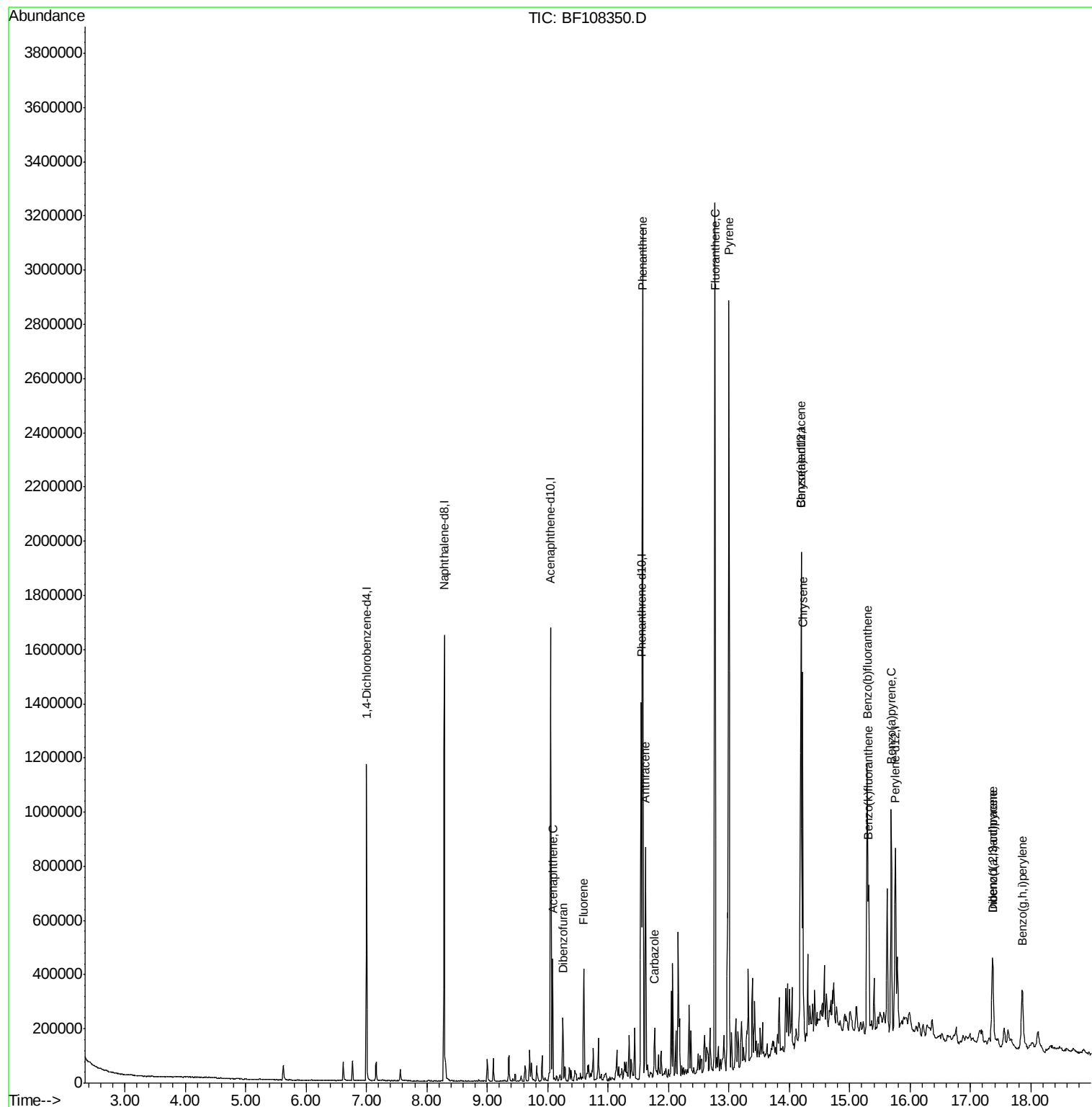
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
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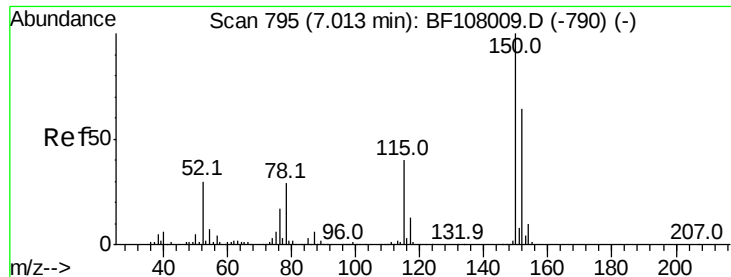
Instrument :
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#1

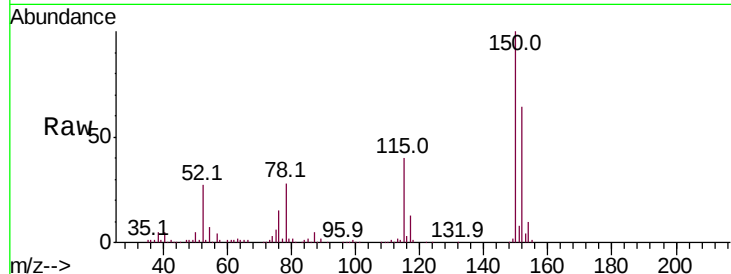
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108350.D
Acq: 21 Aug 2018 21:09

Instrument :
BNA_F
ClientSampleId :
HD-02-081718DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.6	186.8
115	61.8	50.1	75.1

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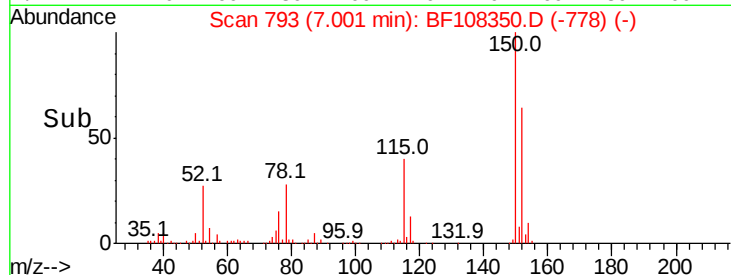
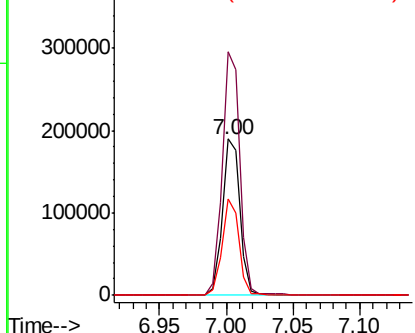


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 1.633 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108350.D
Acq: 21 Aug 2018 21:09

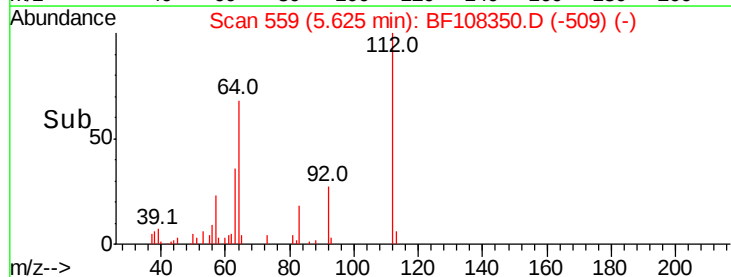
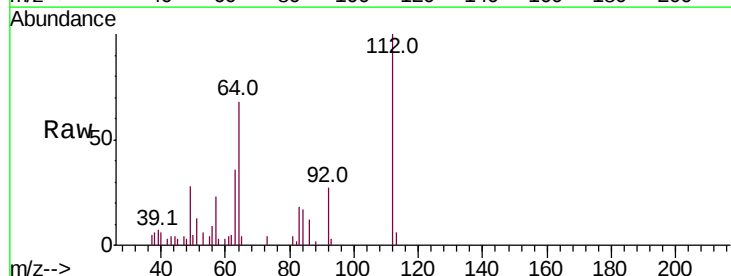
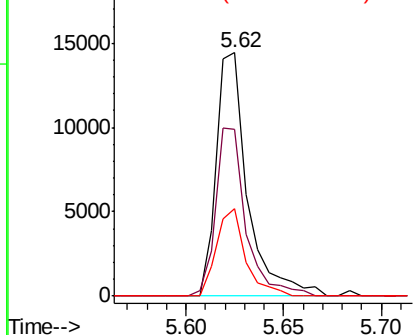
Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.3	47.9	71.9
63	35.9	23.7	35.5#

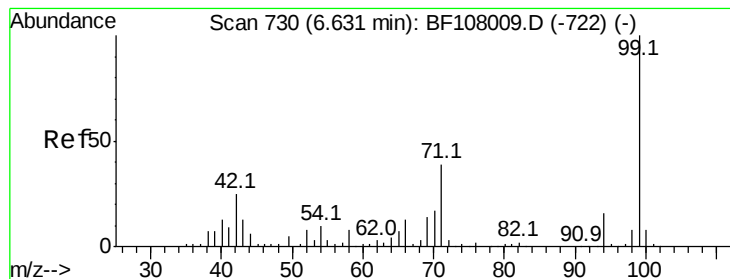
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 1.812 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108350.D

Acq: 21 Aug 2018 21:09

Instrument :

BNA_F

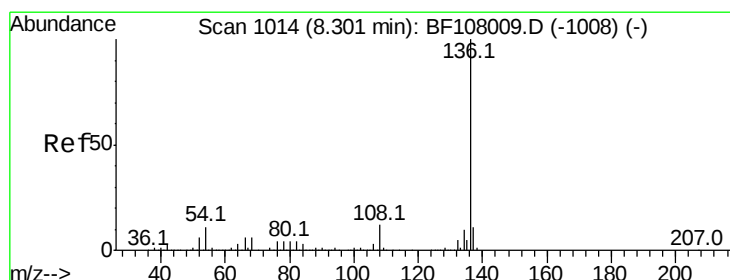
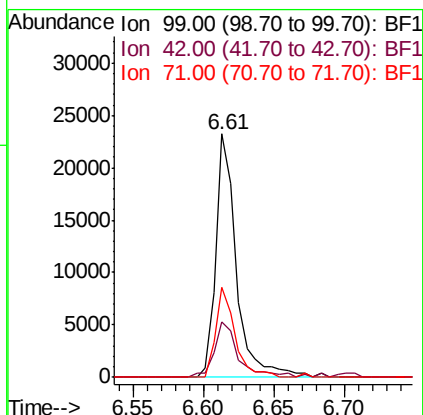
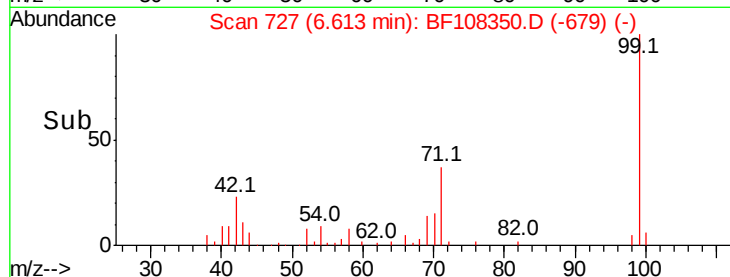
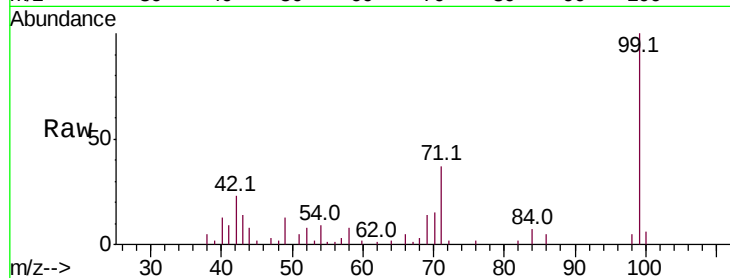
ClientSampleId :

HD-02-081718DL

Tot Ion:	99	Resp:	23660
Ion Ratio	Lower	Upper	
99	100		
42	22.7	14.5	21.7#
71	36.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

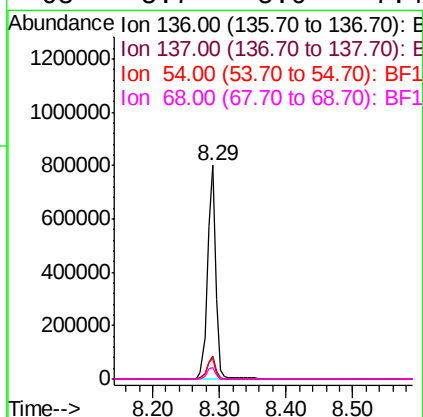
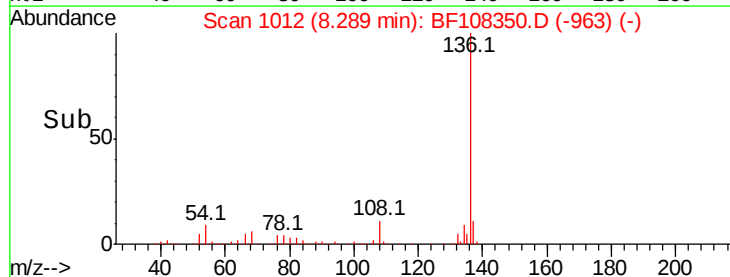
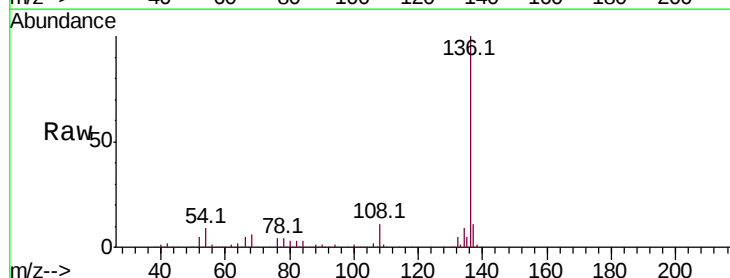
RT: 8.29 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF108350.D

Acq: 21 Aug 2018 21:09

Tgt Ion:	136	Resp:	686426
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	9.4	6.6	9.8
68	5.7	5.0	7.4





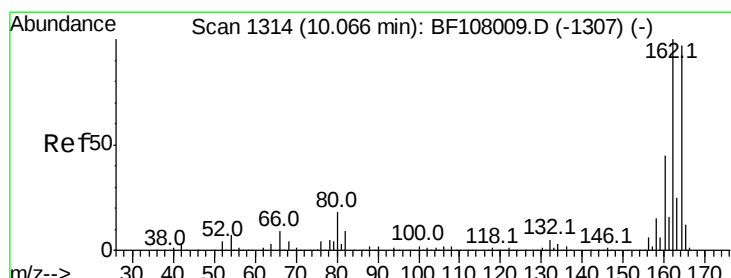
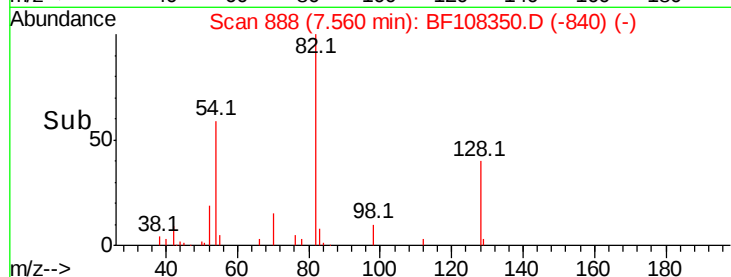
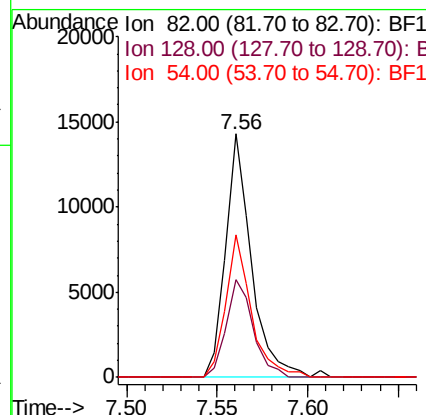
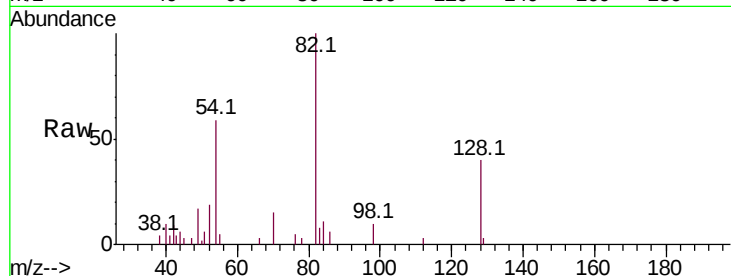
#23
Nitrobenzene-d5
Concen: 1.157 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.02 min
Lab File: BF108350.D
Acq: 21 Aug 2018 21:09

Instrument :
BNA_F
ClientSampleId :
HD-02-081718DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.0	36.1	54.1
54	58.6	41.4	62.2

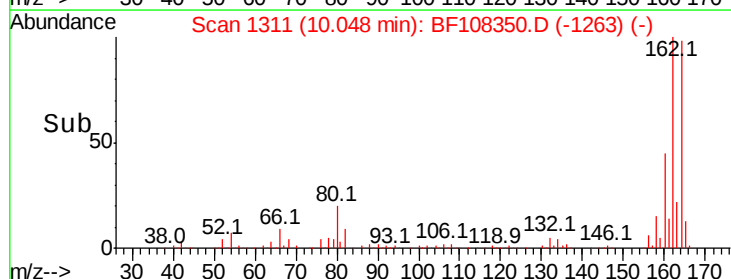
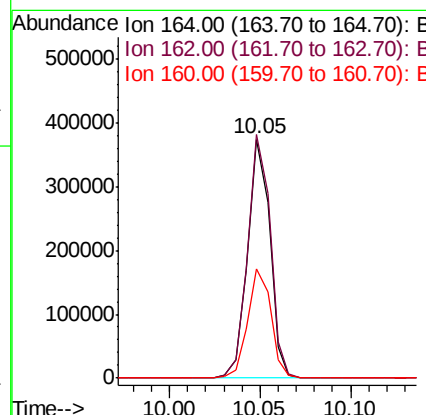
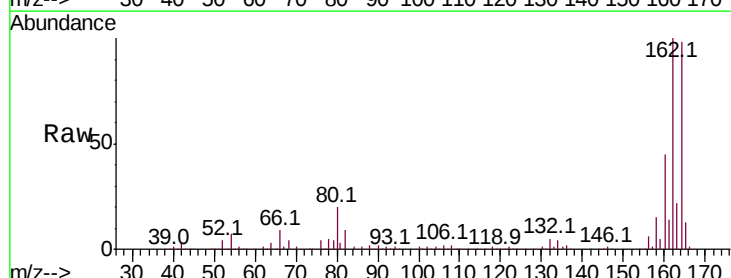
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BF108350.D
Acq: 21 Aug 2018 21:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	86.1	129.1
160	45.7	38.3	57.5





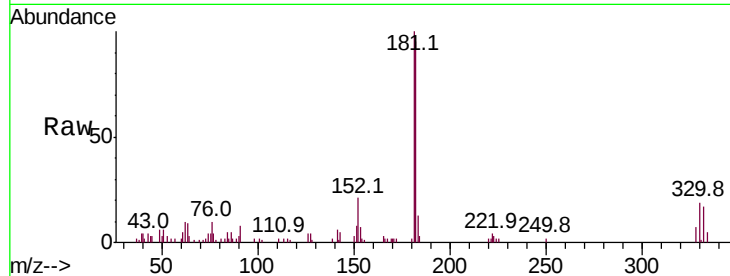
#41
 2,4,6-Tribromophenol
 Concen: 1.420 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BF108350.D
 Acq: 21 Aug 2018 21:09

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-081718DL

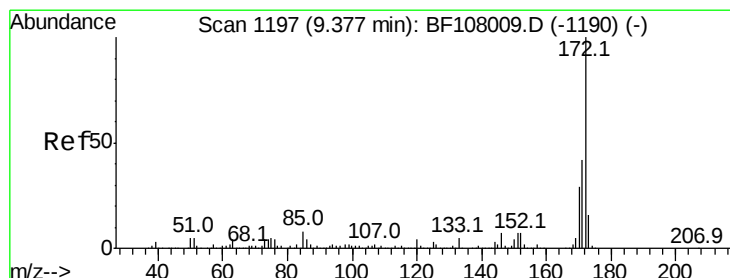
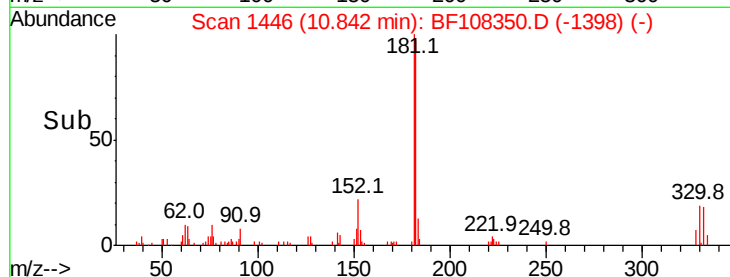
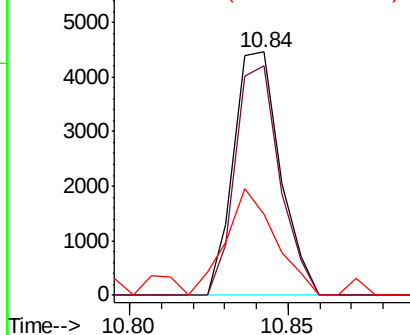
Tot Ion	Ratio	Lower	Upper
330	100		
332	90.0	77.0	115.6
141	54.7	29.9	44.9

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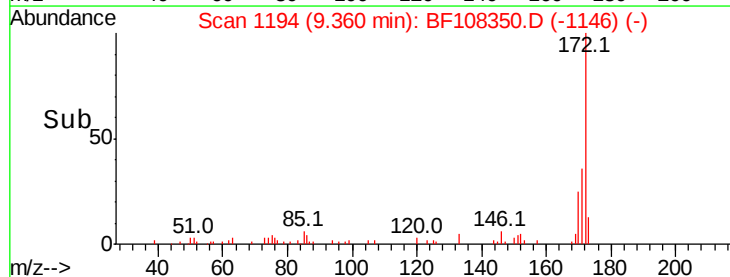
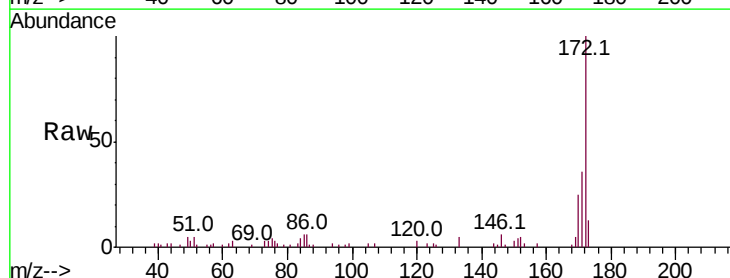
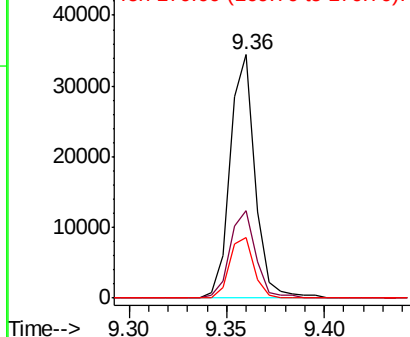
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

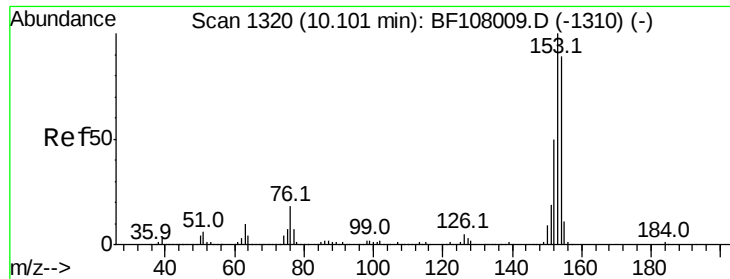


#44
 2-Fluorobiphenyl
 Concen: 1.525 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.02 min
 Lab File: BF108350.D
 Acq: 21 Aug 2018 21:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.8	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





#51

Acenaphthene

Concen: 4.795 ng

RT: 10.08 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF108350.D

Acq: 21 Aug 2018 21:09

Instrument :

BNA_F

ClientSampleId :

HD-02-081718DL

Tot Ion:154 Resp: 87075

Ion Ratio Lower Upper

154 100

153 118.9 91.2 136.8

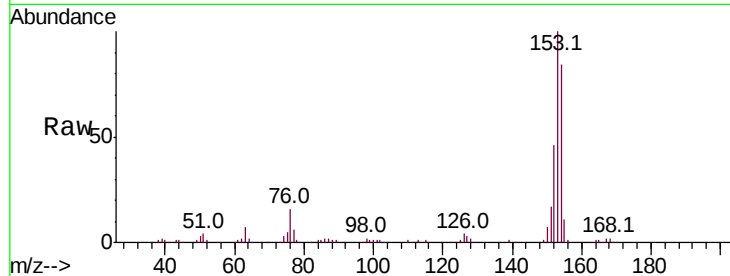
152 54.6 43.8 65.8

Manual Integrations

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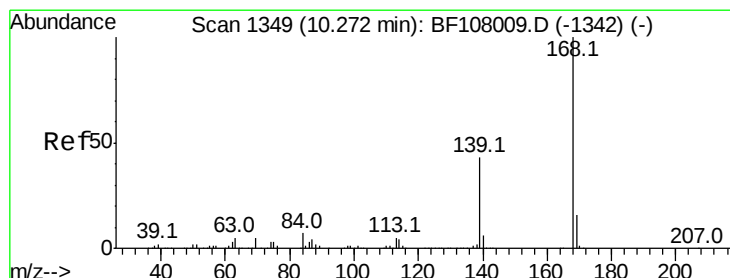
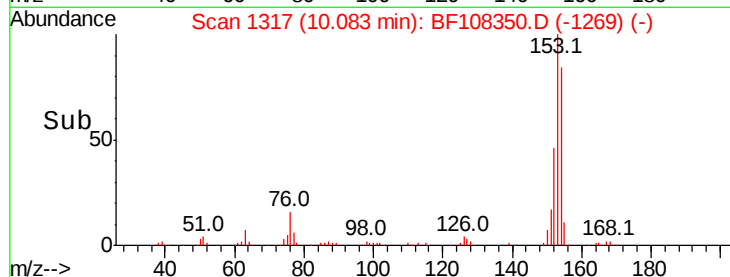
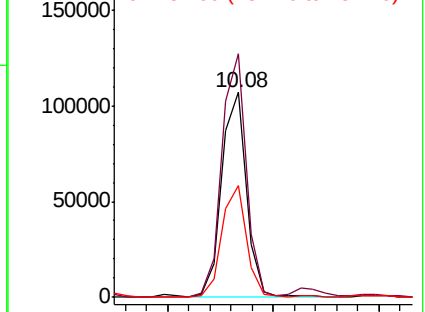
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.100 ng

RT: 10.25 min Scan# 1346

Delta R.T. -0.02 min

Lab File: BF108350.D

Acq: 21 Aug 2018 21:09

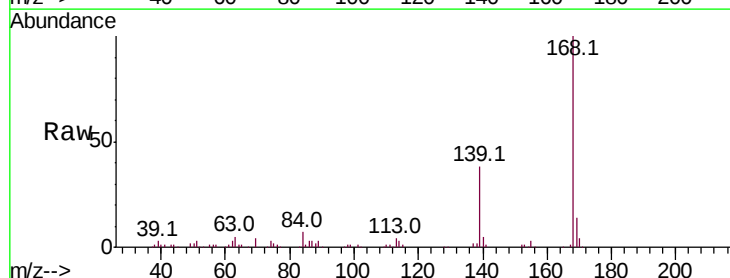
Tgt Ion:168 Resp: 81555

Ion Ratio Lower Upper

168 100

139 37.6 30.1 45.1

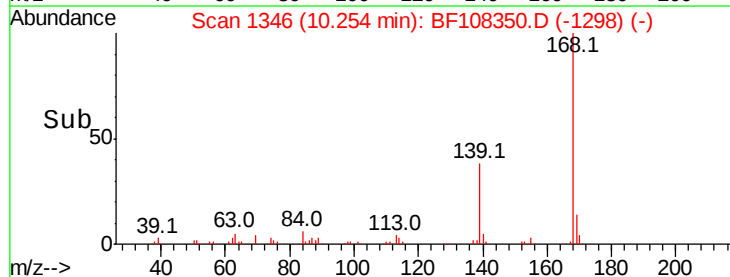
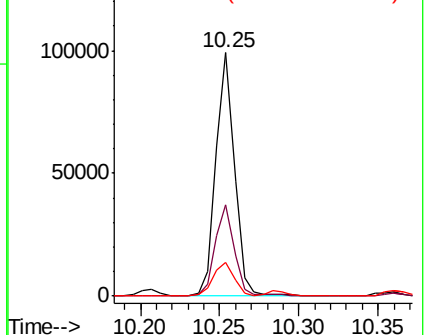
169 13.8 10.9 16.3

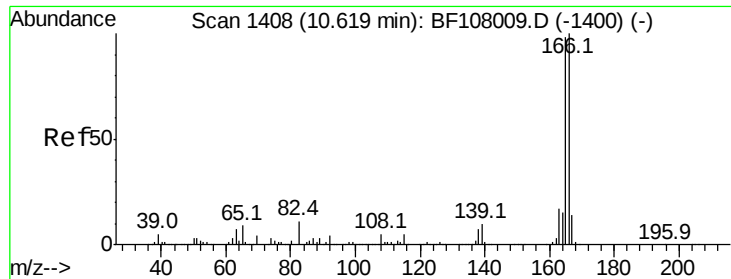


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





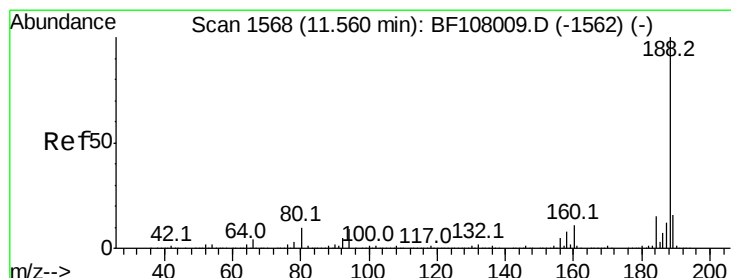
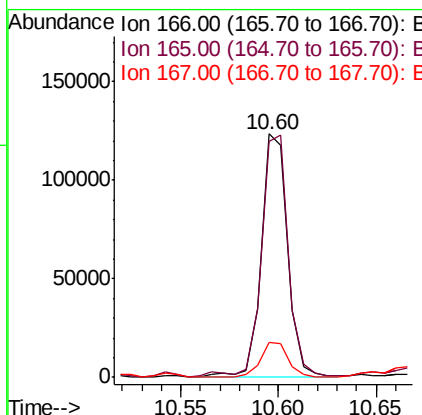
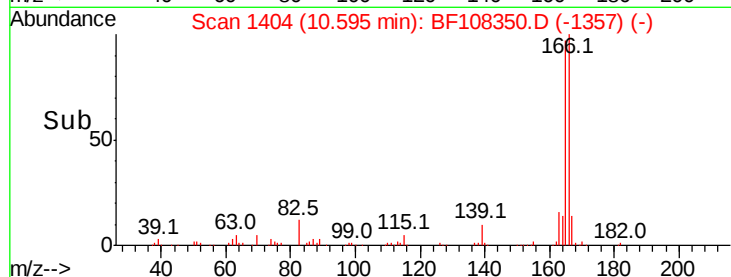
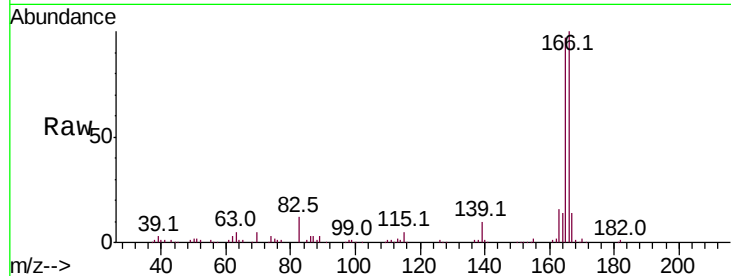
#57
Fluorene
 Concen: 5.485 ng
 RT: 10.60 min Scan# 1404
 Delta R.T. -0.02 min
 Lab File: BF108350.D
 Acq: 21 Aug 2018 21:09

Instrument :
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 HD-02-081718DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.2	79.8	119.8
167	14.2	10.6	16.0

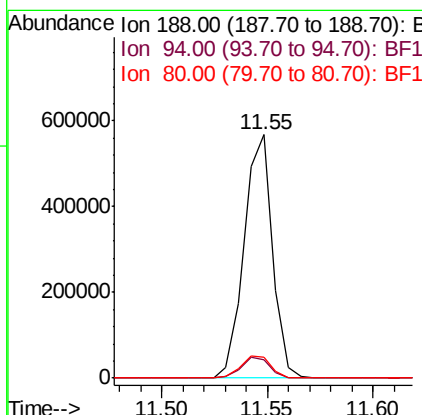
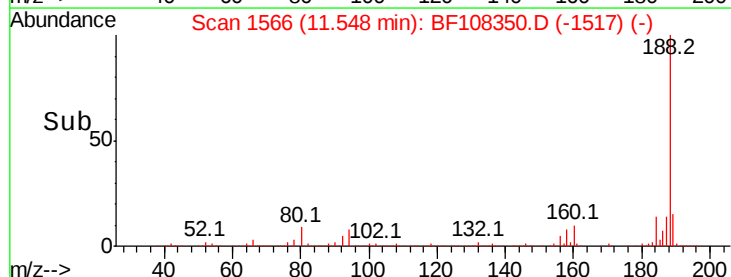
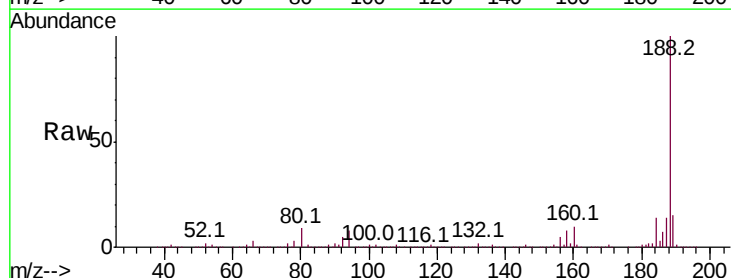
Manual Integrations
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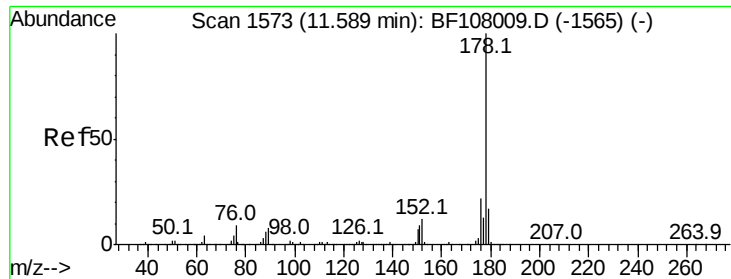
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF108350.D
 Acq: 21 Aug 2018 21:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	8.5	12.7#
80	8.7	9.2	13.8#





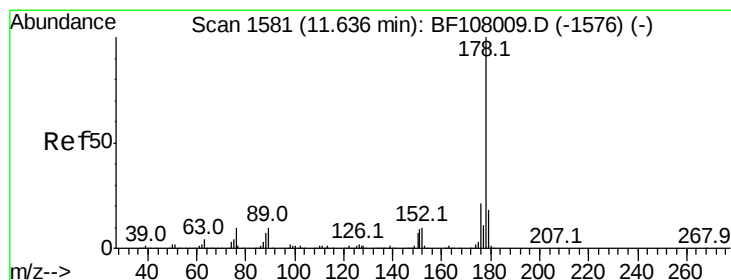
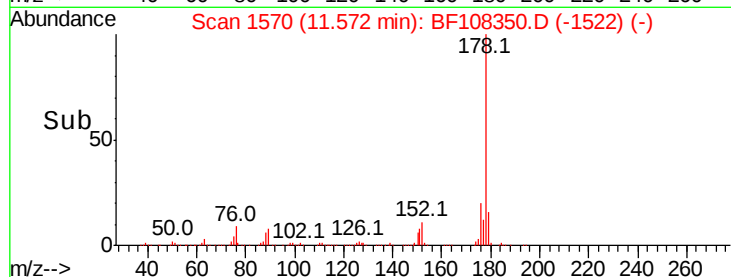
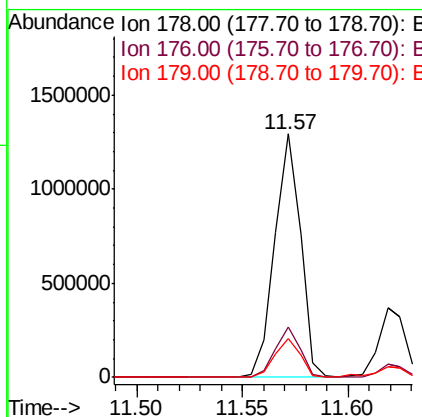
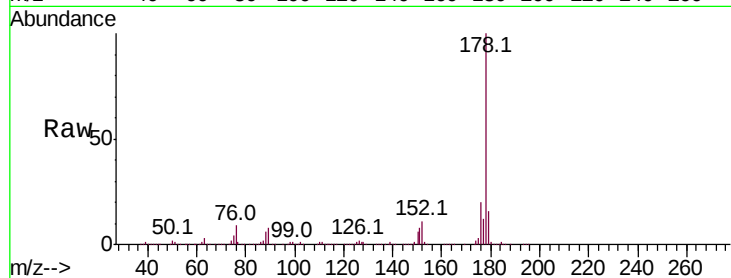
#70
Phenanthrene
Concen: 44.309 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF108350.D
Acq: 21 Aug 2018 21:09

Instrument :
BNA_F
ClientSampleId :
HD-02-081718DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.8	23.8
179	16.1	13.0	19.6

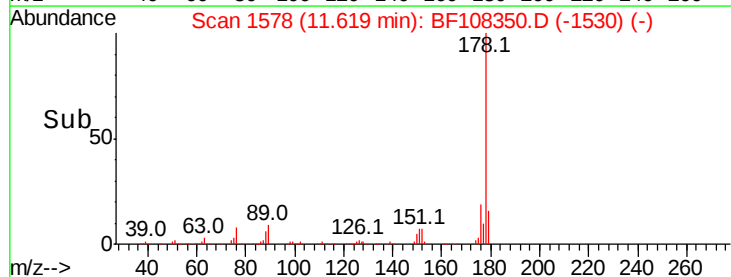
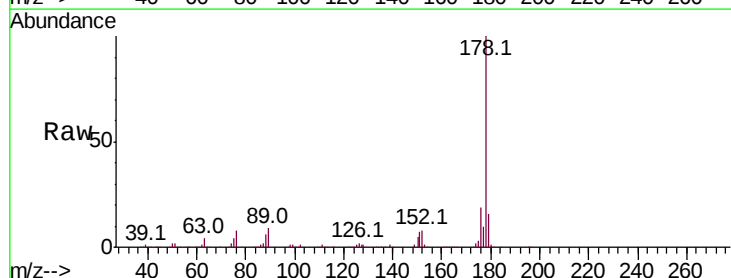
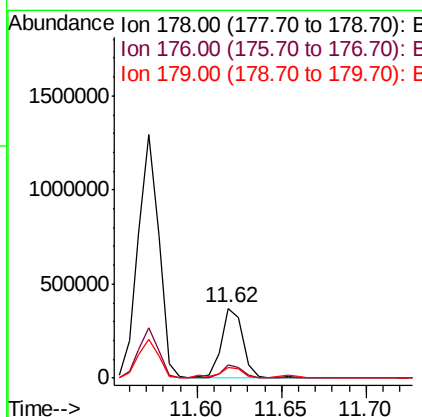
Manual Integrations
APPROVED

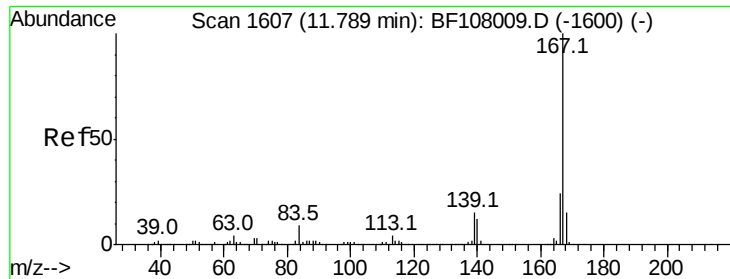
Sohil
8/22/2018 4:03:05 PM



#71
Anthracene
Concen: 12.881 ng
RT: 11.62 min Scan# 1578
Delta R.T. -0.02 min
Lab File: BF108350.D
Acq: 21 Aug 2018 21:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.9	12.6	19.0





#72

Carbazole

Concen: 2.746 ng

RT: 11.77 min Scan# 1604

Delta R.T. -0.02 min

Lab File: BF108350.D

Acq: 21 Aug 2018 21:09

Instrument :

BNA_F

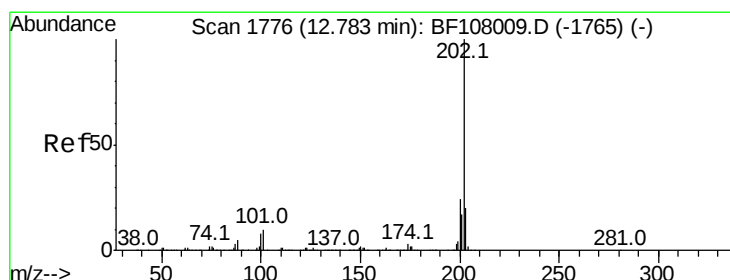
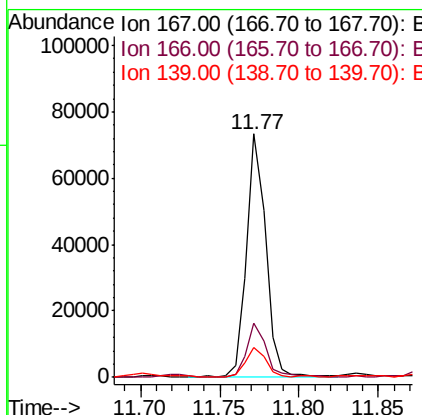
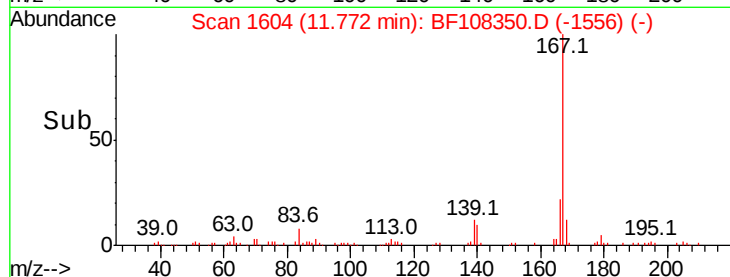
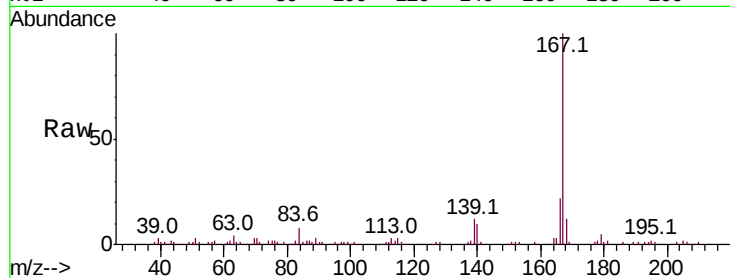
ClientSampleId :

HD-02-081718DL

Tot Ion:	167	Resp:	62236
Ion Ratio	Lower	Upper	
167	100		
166	22.1	17.6	26.4
139	12.2	10.9	16.3

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#74

Fluoranthene

Concen: 51.665 ng

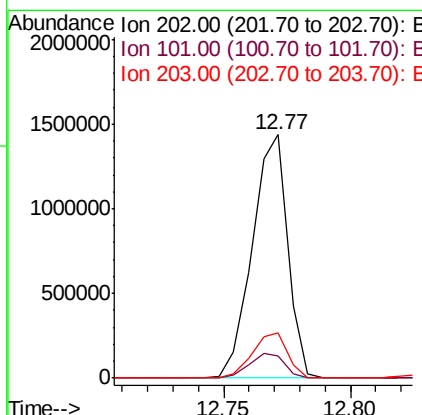
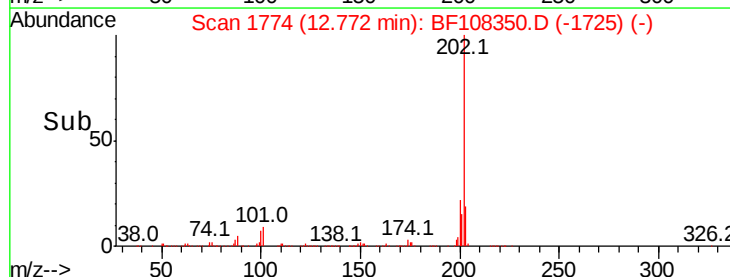
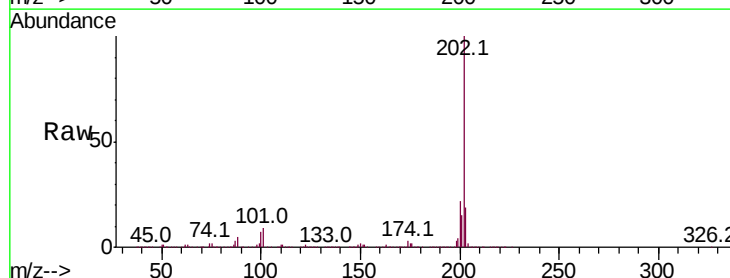
RT: 12.77 min Scan# 1774

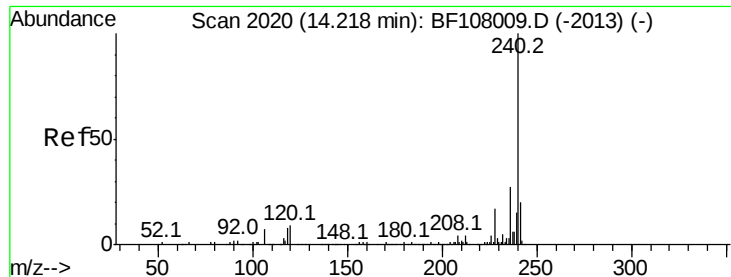
Delta R.T. -0.01 min

Lab File: BF108350.D

Acq: 21 Aug 2018 21:09

Tgt Ion:	202	Resp:	1403408
Ion Ratio	Lower	Upper	
202	100		
101	9.3	0.0	34.1
203	18.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF108350.D

Acq: 21 Aug 2018 21:09

Instrument :

BNA_F

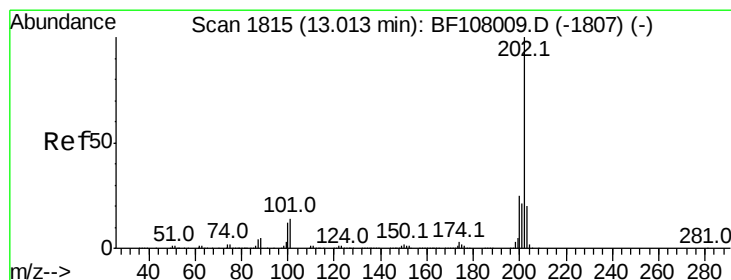
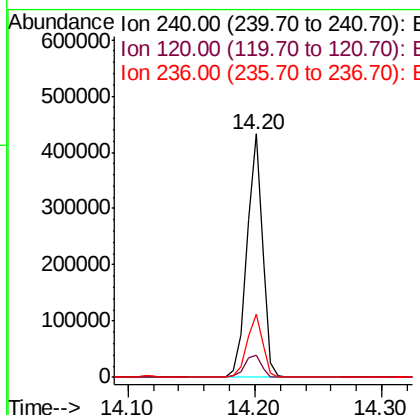
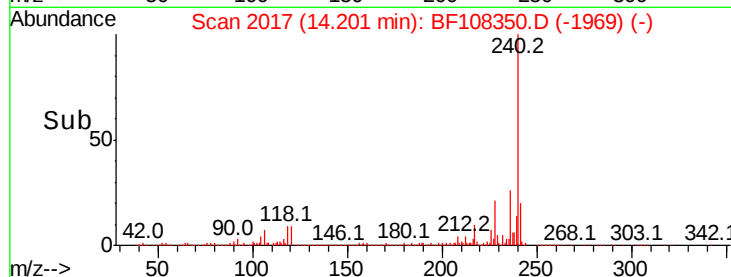
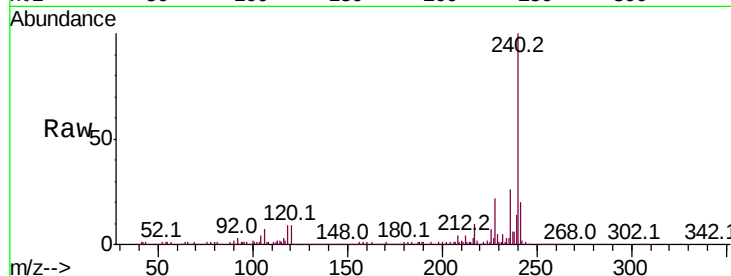
ClientSampleId :

HD-02-081718DL

Tot Ion:	240	Resp:	367135
Ion Ratio	Lower	Upper	
240	100		
120	9.0	9.5	14.3#
236	26.0	20.7	31.1

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#77

Pyrene

Concen: 49.616 ng

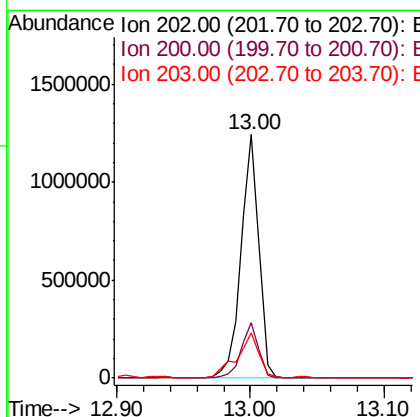
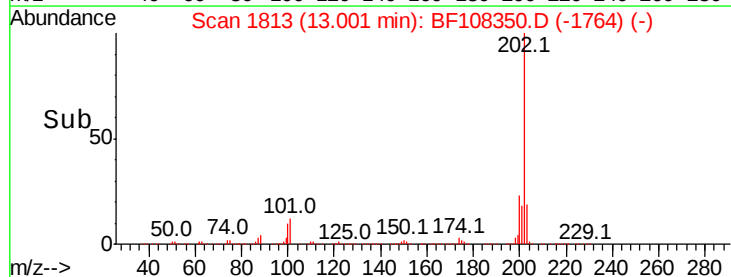
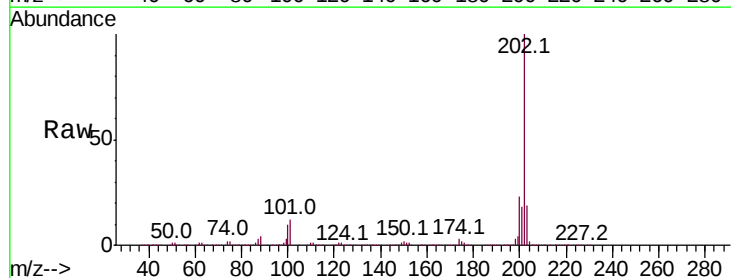
RT: 13.00 min Scan# 1813

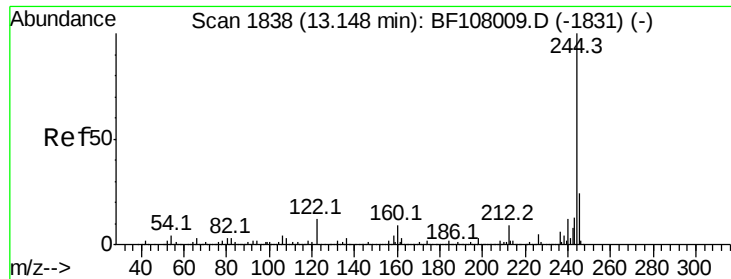
Delta R.T. -0.01 min

Lab File: BF108350.D

Acq: 21 Aug 2018 21:09

Tgt Ion:	202	Resp:	1153244
Ion Ratio	Lower	Upper	
202	100		
200	22.5	17.4	26.2
203	18.6	14.3	21.5





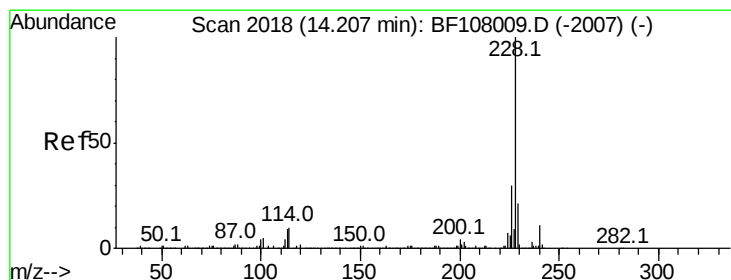
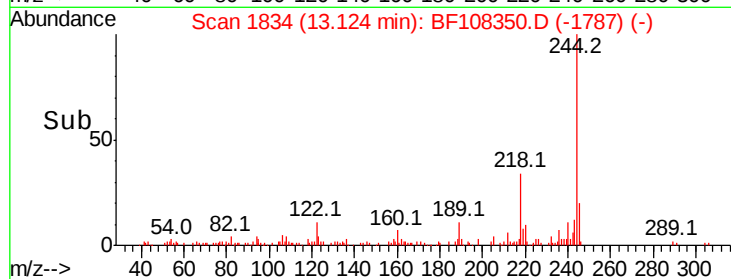
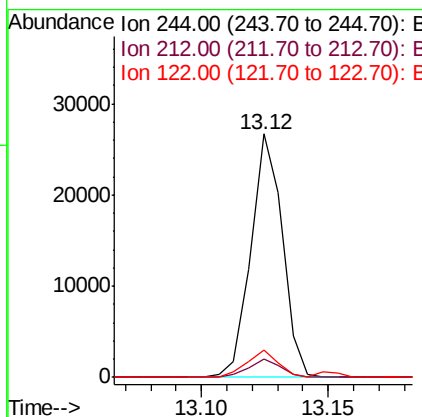
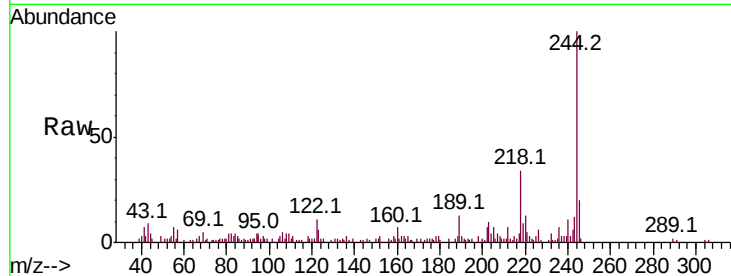
#78
 Terphenyl-d14
 Concen: 1.610 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.02 min
 Lab File: BF108350.D
 Acq: 21 Aug 2018 21:09

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-081718DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	11.1	11.0	16.4

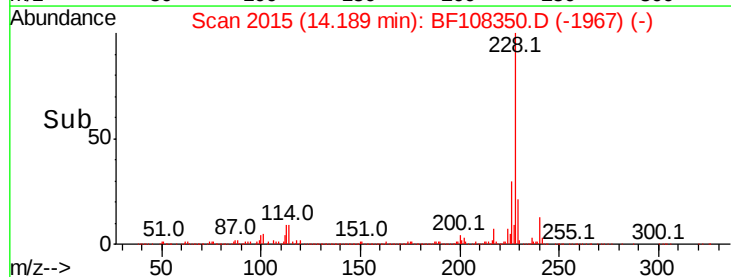
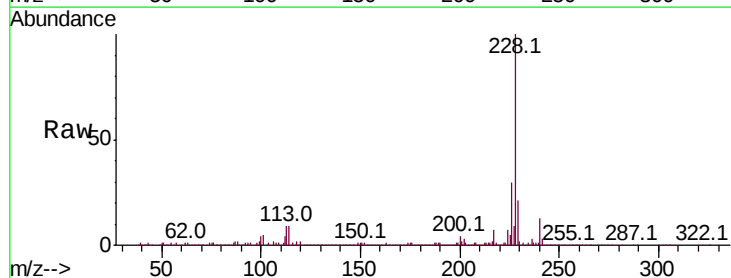
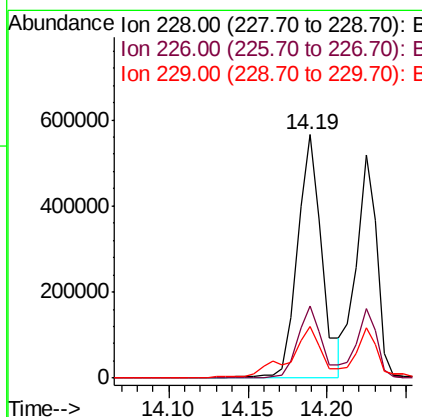
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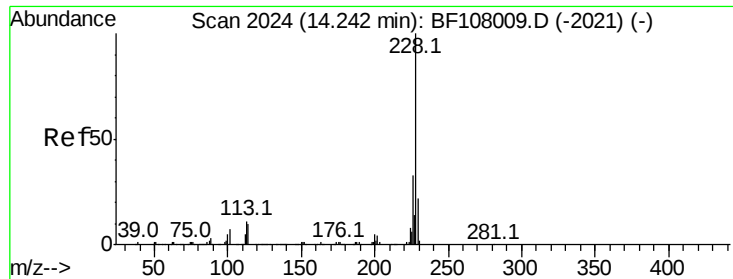
Sohil
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#80
 Benzo(a)anthracene
 Concen: 28.525 ng
 RT: 14.19 min Scan# 2015
 Delta R.T. -0.02 min
 Lab File: BF108350.D
 Acq: 21 Aug 2018 21:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	33.8
229	20.9	15.8	23.6





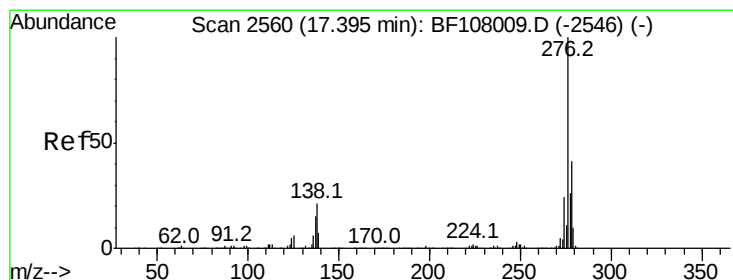
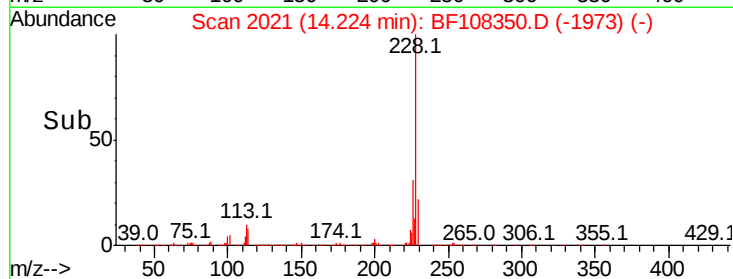
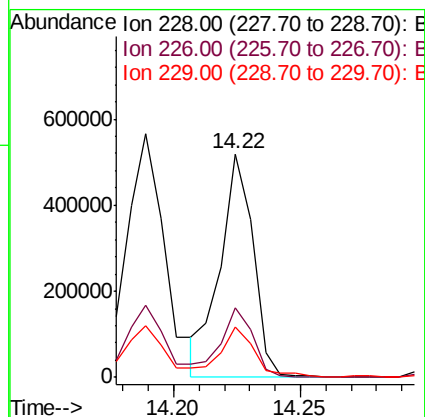
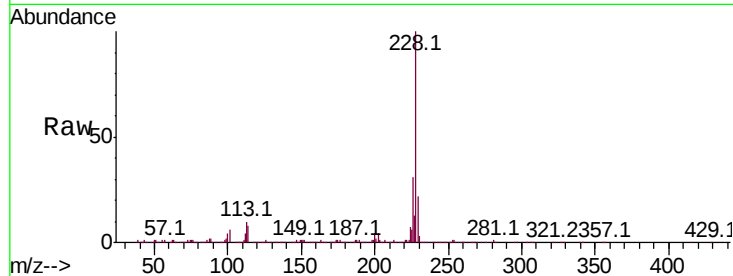
#82
Chrysene
Concen: 24.303 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF108350.D
Acq: 21 Aug 2018 21:09

Instrument :
BNA_F
ClientSampleID :
HD-02-081718DL

Tot Ion:	228	Resp:	469447
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.0	37.6
229	22.4	16.2	24.4

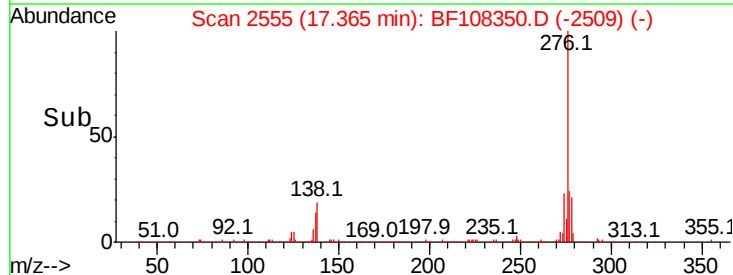
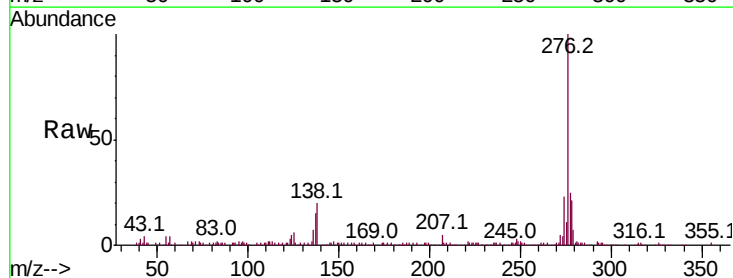
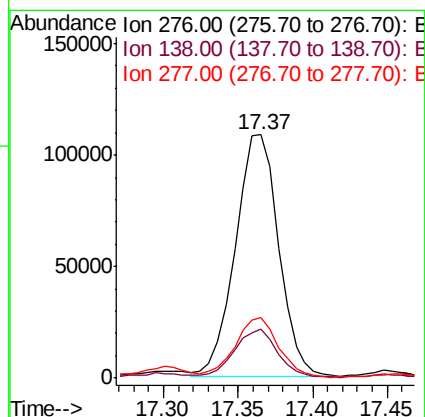
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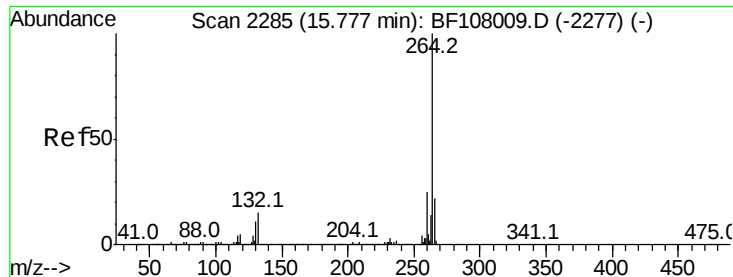
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 13.010 ng
RT: 17.37 min Scan# 2555
Delta R.T. -0.03 min
Lab File: BF108350.D
Acq: 21 Aug 2018 21:09

Tgt Ion:	276	Resp:	217752
Ion Ratio	Lower	Upper	
276	100		
138	19.5	25.0	37.6#
277	24.6	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2281

Delta R.T. -0.02 min

Lab File: BF108350.D

Acq: 21 Aug 2018 21:09

Instrument :

BNA_F

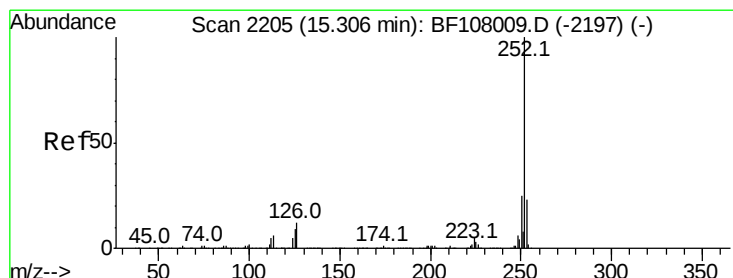
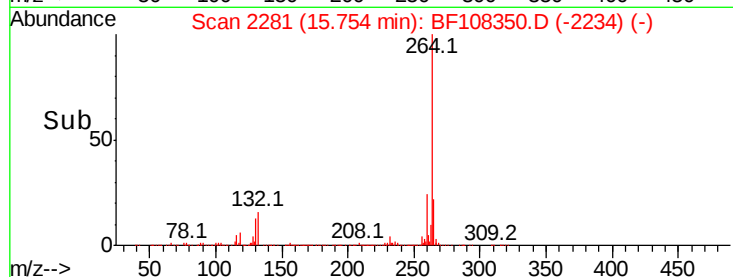
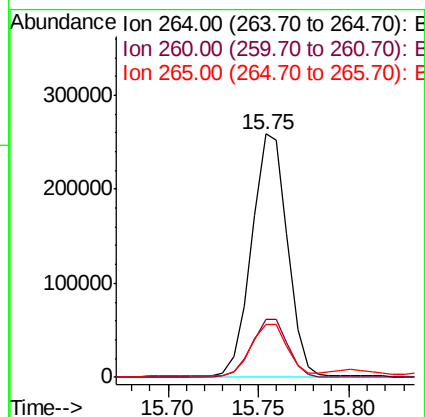
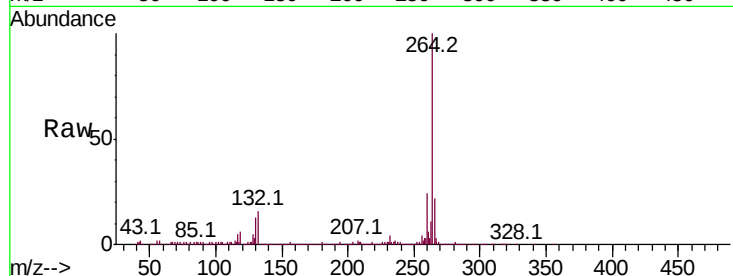
ClientSampleId :

HD-02-081718DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.9	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 28.946 ng m

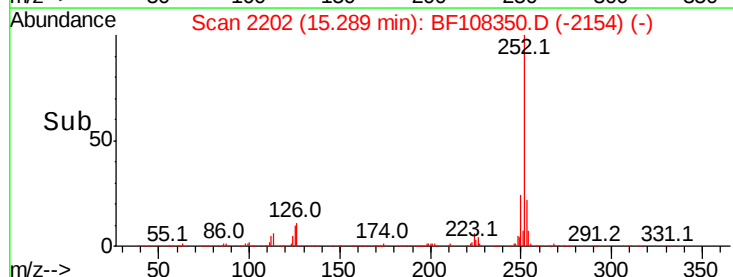
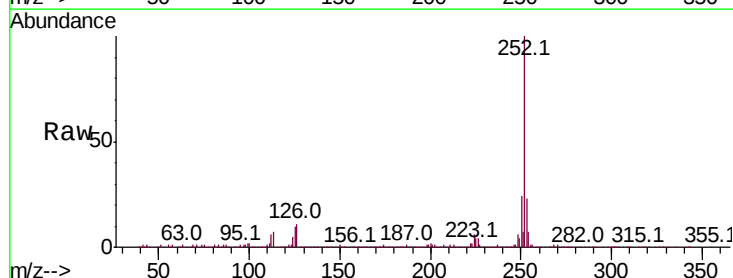
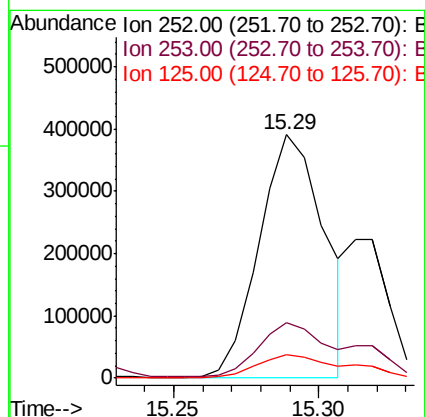
RT: 15.29 min Scan# 2202

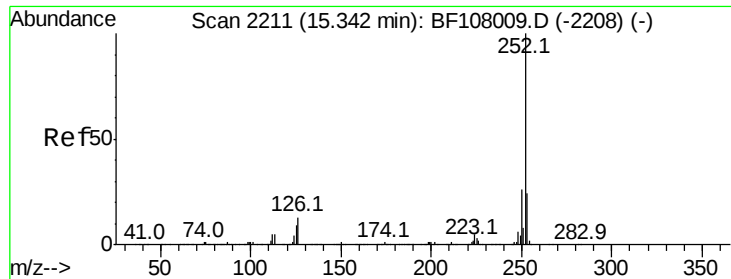
Delta R.T. -0.02 min

Lab File: BF108350.D

Acq: 21 Aug 2018 21:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	9.8	9.0	13.6





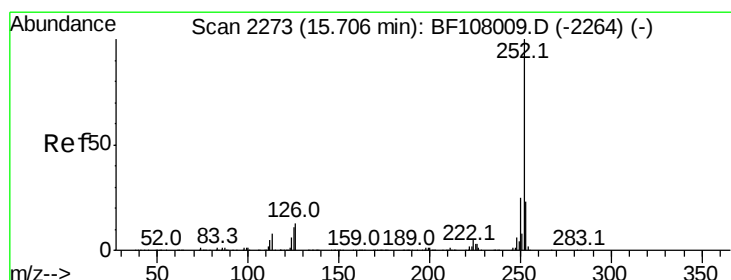
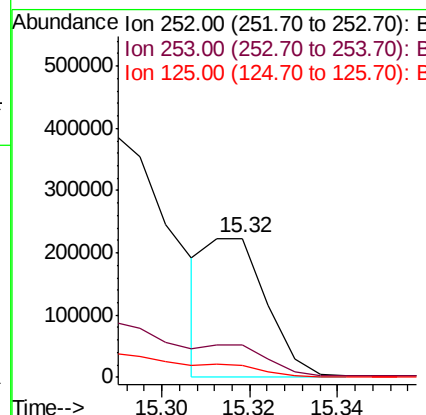
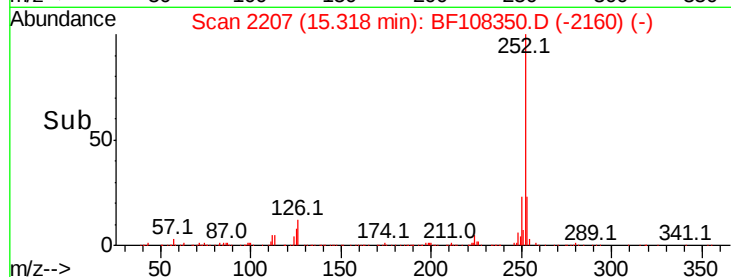
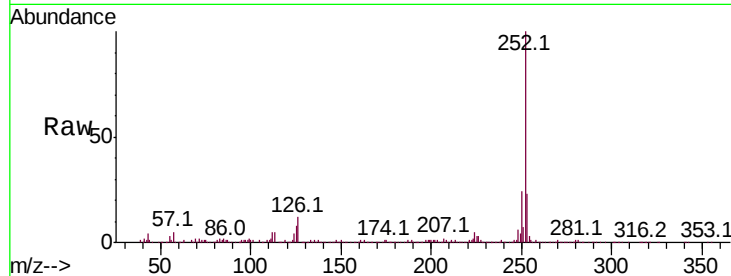
#88
Benzo(k)fluoranthene
Concen: 10.902 ng m
RT: 15.32 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF108350.D
Acq: 21 Aug 2018 21:09

Instrument :
BNA_F
ClientSampleId :
HD-02-081718DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	8.5	10.2	15.2

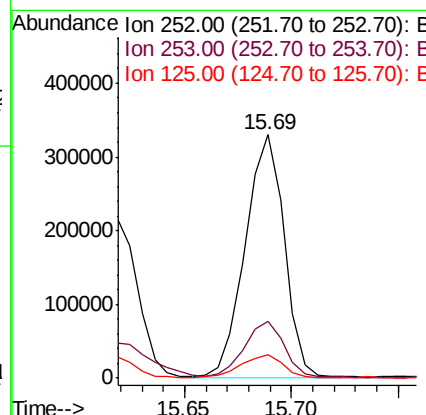
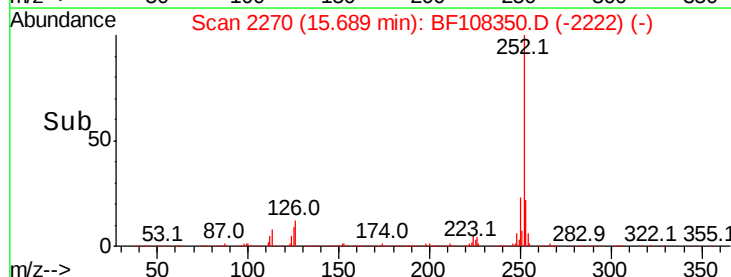
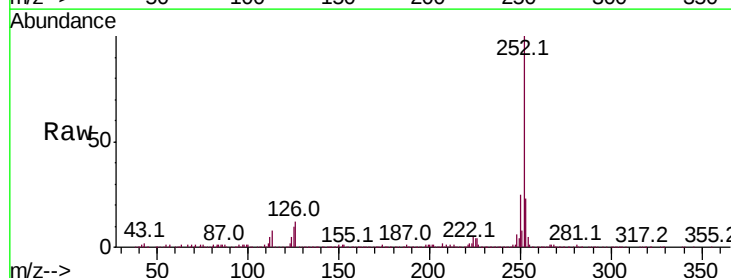
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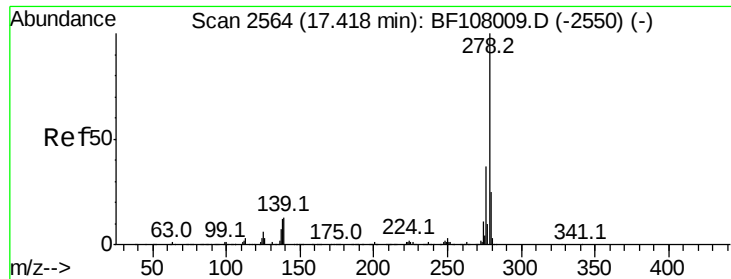
Sohil
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#89
Benzo(a)pyrene
Concen: 22.003 ng m
RT: 15.69 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF108350.D
Acq: 21 Aug 2018 21:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	9.7	9.8	14.6





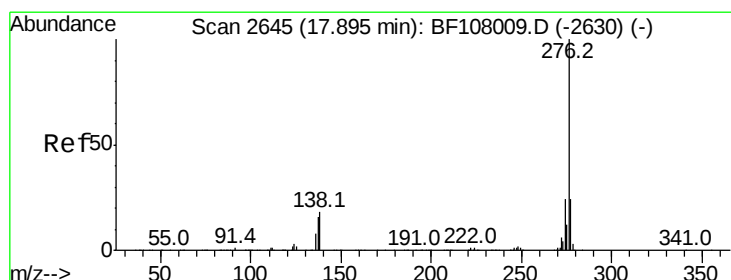
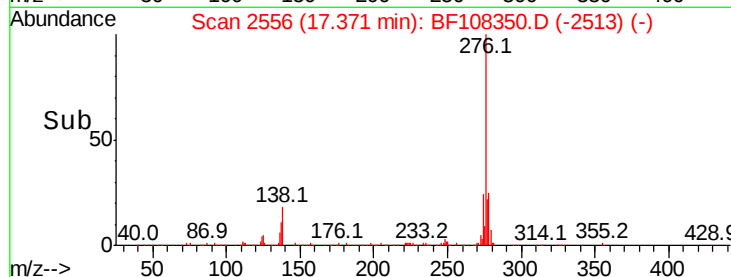
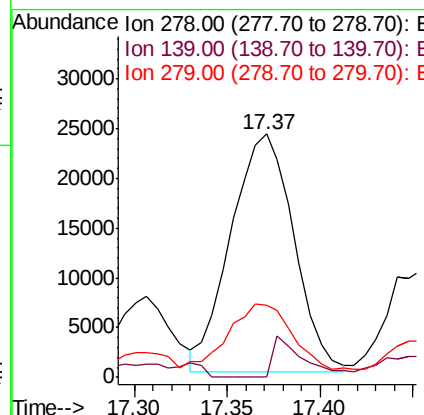
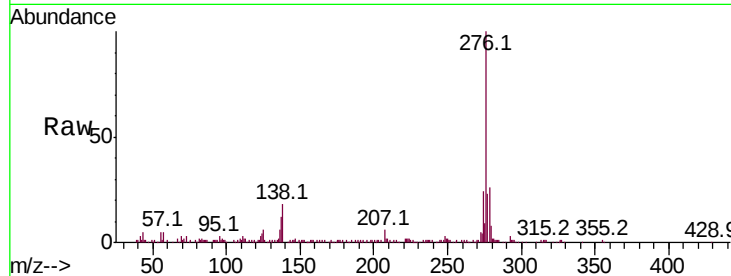
#90
Dibenzo(a,h)anthracene
Concen: 3.586 ng m
RT: 17.37 min Scan# 2556
Delta R.T. -0.05 min
Lab File: BF108350.D
Acq: 21 Aug 2018 21:09

Instrument :
BNA_F
ClientSampleId :
HD-02-081718DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	29.8	19.0	28.4#

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#91
Benzo(g,h,i)perylene
Concen: 12.153 ng
RT: 17.85 min Scan# 2638
Delta R.T. -0.04 min
Lab File: BF108350.D
Acq: 21 Aug 2018 21:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.7	17.9	26.9
138	19.1	21.8	32.8#

