

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
 Data File : BF108480.D
 Acq On : 24 Aug 2018 22:57
 Operator : JU/SJ
 Sample : J4581-18
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-D2

Manual Integrations
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Sohil
 8/27/2018 12:56:52 PM

Quant Time: Aug 25 01:43:41 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 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	125675	20.00	ng	-0.01
21) Naphthalene-d8	8.28	136	481178	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	235651	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	429635	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	265082	20.00	ng	-0.01
86) Perylene-d12	15.74	264	277191	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	560777	80.78	ng	0.00
7) Phenol-d6	6.62	99	765511	82.99	ng	-0.01
23) Nitrobenzene-d5	7.56	82	506460	58.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	206863	88.01	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	812454	55.35	ng	-0.01
78) Terphenyl-d14	13.12	244	680824	65.30	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.75	163	364677	22.216	ng	99
57) Fluorene	10.59	166	41135	2.697	ng	99
70) Phenanthrene	11.56	178	347600	17.153	ng	98
71) Anthracene	11.61	178	86740	4.176	ng	98
74) Fluoranthene	12.75	202	354186	16.015	ng	96
77) Pyrene	12.99	202	375043	22.347	ng	100
80) Benzo(a)anthracene	14.18	228	146051	9.600	ng	98
82) Chrysene	14.21	228	134238	9.625	ng	97
85) Indeno(1,2,3-cd)pyrene	17.35	276	92904	7.688	ng	# 89
87) Benzo(b)fluoranthene	15.28	252	192761m	11.638	ng	
88) Benzo(k)fluoranthene	15.30	252	56446m	3.707	ng	
89) Benzo(a)pyrene	15.68	252	156871	10.577	ng	98
90) Dibenzo(a,h)anthracene	17.35	278	24640	2.008	ng	95
91) Benzo(g,h,i)perylene	17.84	276	92202m	7.630	ng	

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

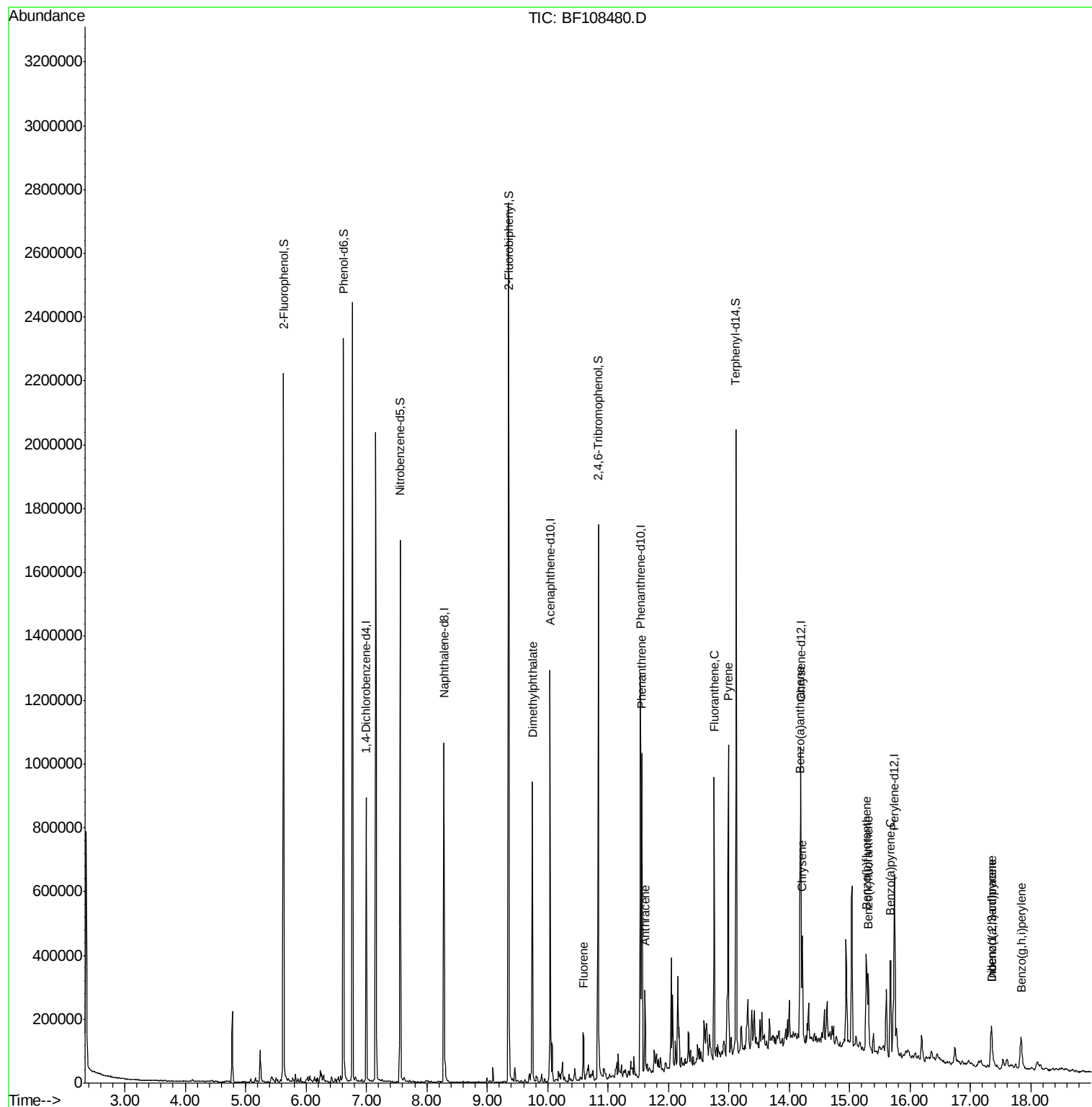
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
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#1

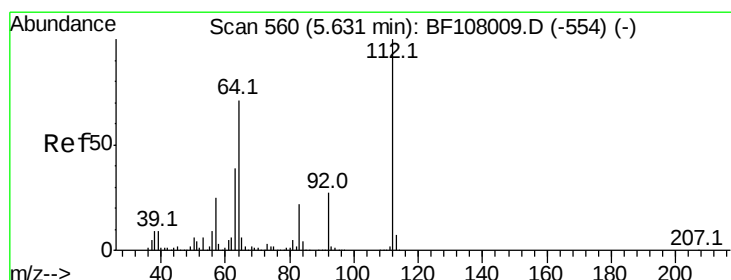
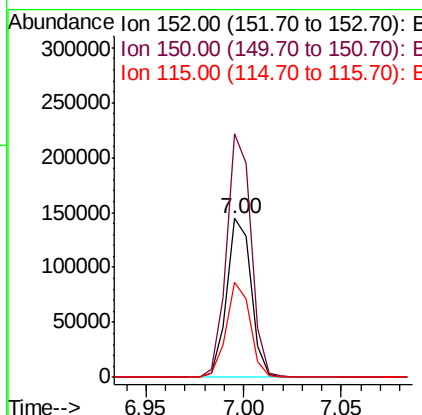
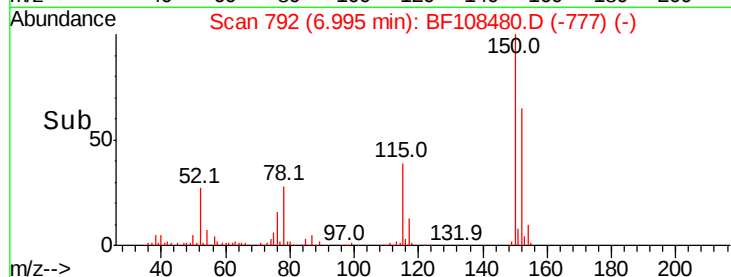
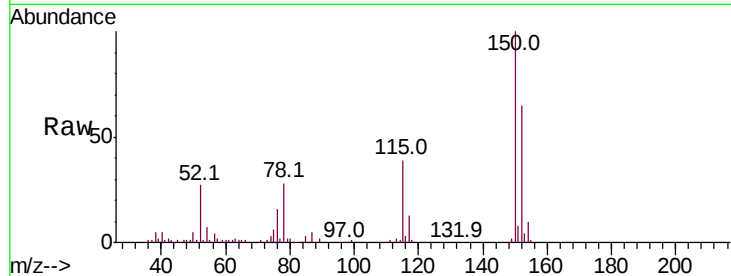
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108480.D
Acq: 24 Aug 2018 22:57

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-D2

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.6	186.8
115	60.0	50.1	75.1

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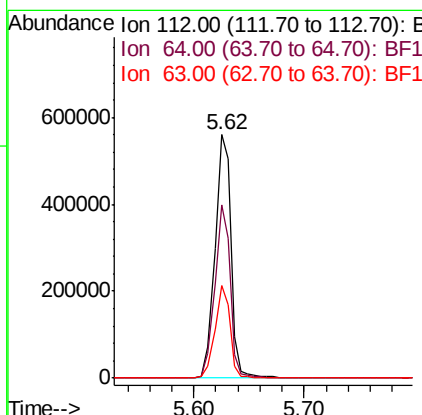
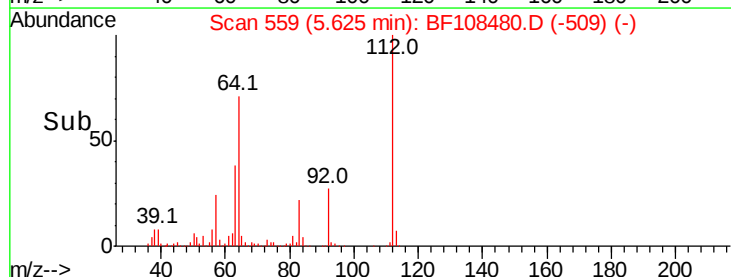
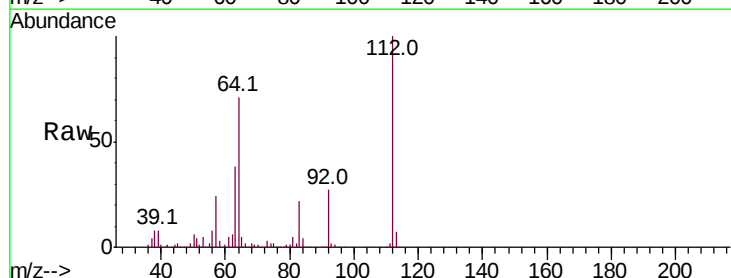
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#5

2-Fluorophenol
Concen: 80.785 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108480.D
Acq: 24 Aug 2018 22:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.0	47.9	71.9
63	38.0	23.7	35.5#





#7

Phenol-d6

Concen: 82.987 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108480.D

Acq: 24 Aug 2018 22:57

Instrument :

BNA_F

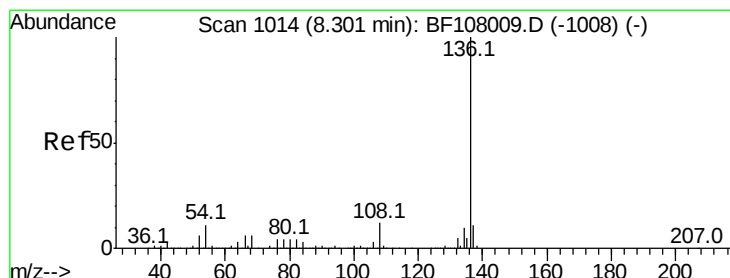
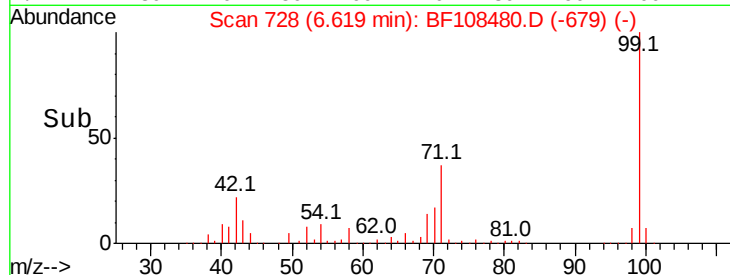
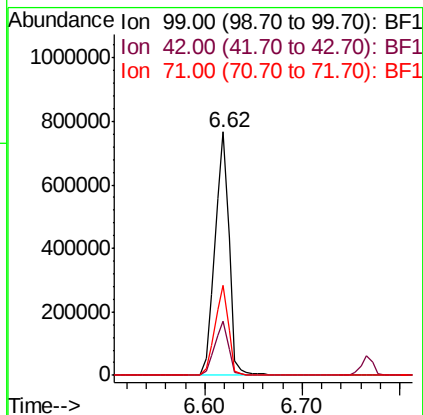
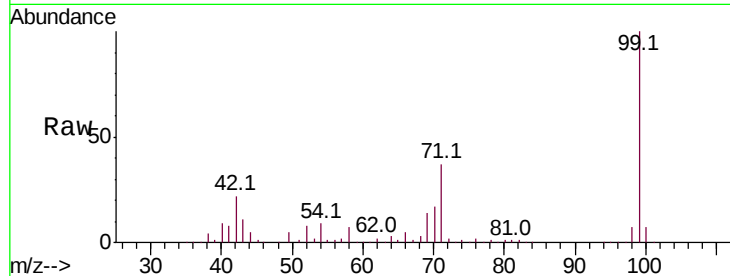
ClientSampled :

EP1-Q3-D2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		765511		
42	22.5	14.5	21.7#		
71	37.0	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

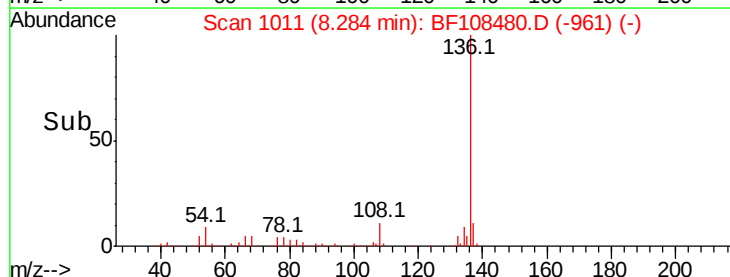
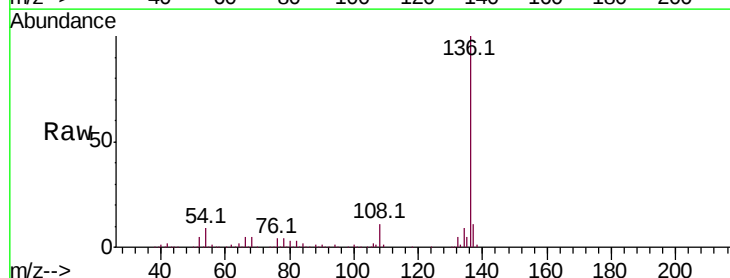
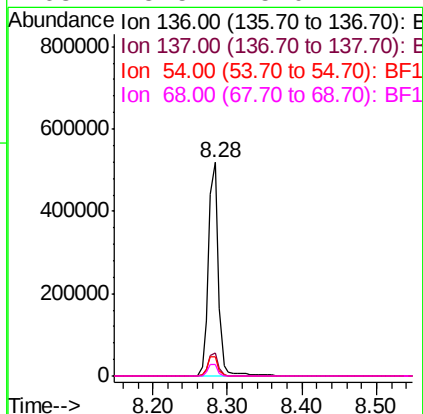
RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108480.D

Acq: 24 Aug 2018 22:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		481178		
137	10.8	8.9	13.3		
54	9.3	6.6	9.8		
68	5.5	5.0	7.4		





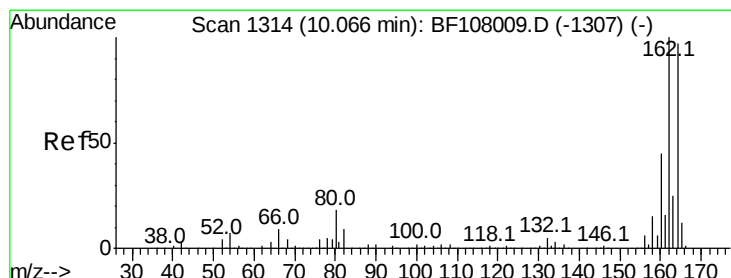
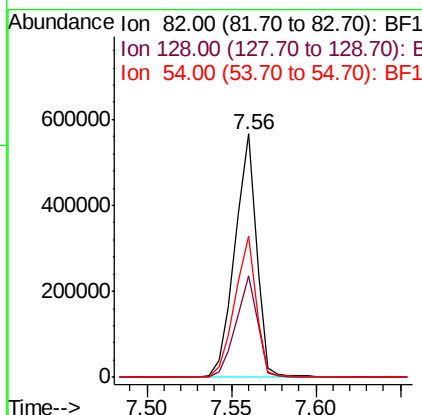
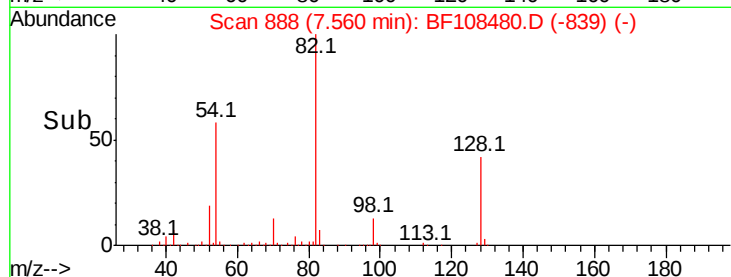
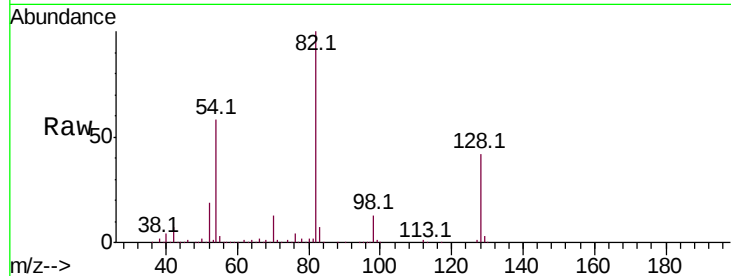
#23
Nitrobenzene-d5
Concen: 58.733 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108480.D
Acq: 24 Aug 2018 22:57

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-D2

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.9	36.1	54.1	
54	58.1	41.4	62.2	

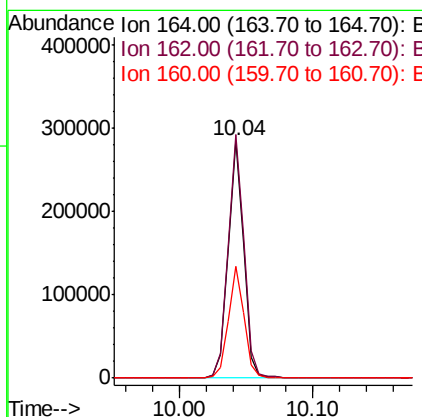
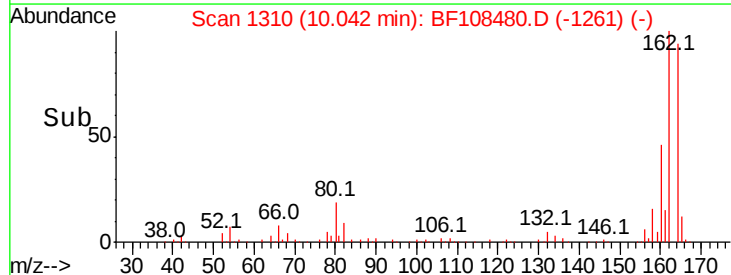
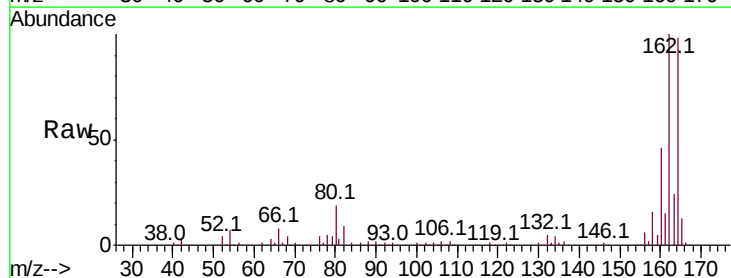
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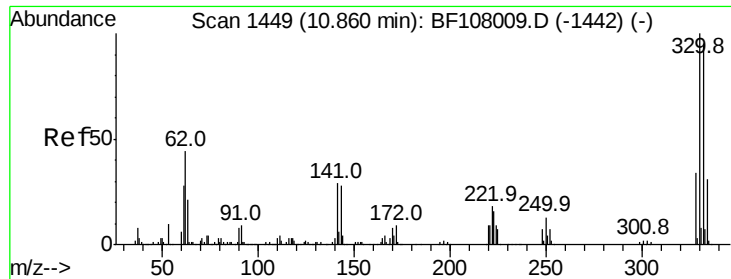
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108480.D
Acq: 24 Aug 2018 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.5	86.1	129.1	
160	46.9	38.3	57.5	





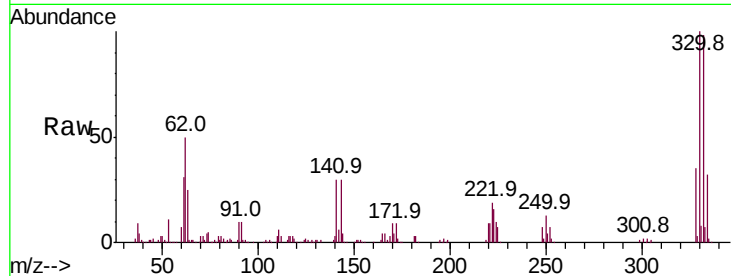
#41
 2,4,6-Tribromophenol
 Concen: 88.006 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108480.D
 Acq: 24 Aug 2018 22:57

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-D2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	206863		
332	96.6	77.0	115.6	
141	32.9	29.9	44.9	

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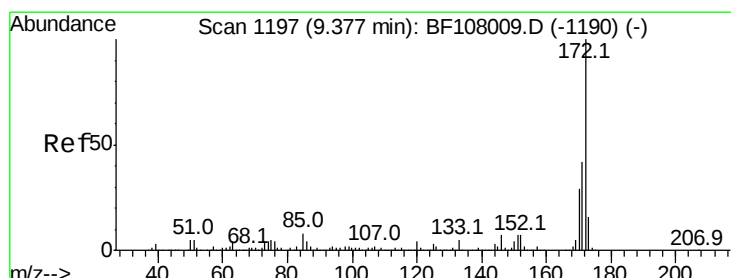
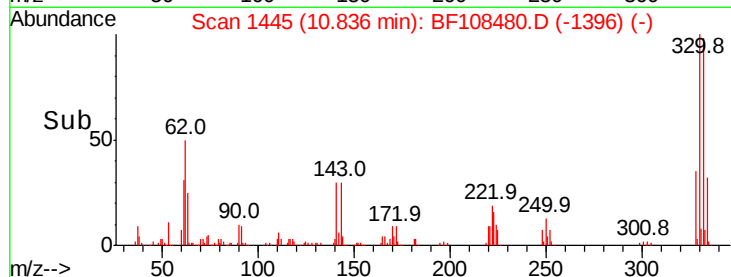
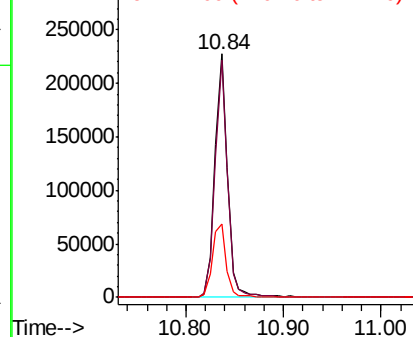


Abundance

Ion 329.80 (329.50 to 330.50): E

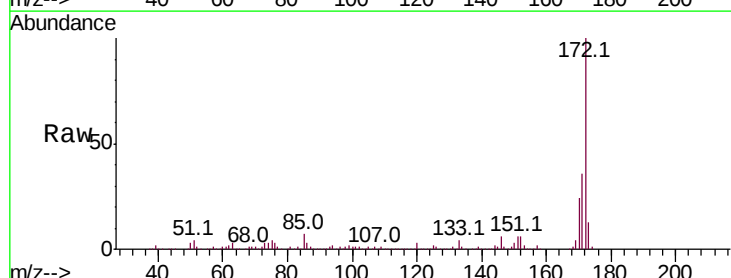
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 55.352 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108480.D
 Acq: 24 Aug 2018 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	812454		
171	36.1	29.7	44.5	
170	24.2	19.6	29.4	

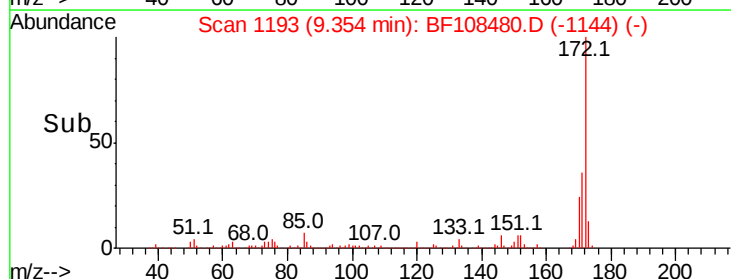
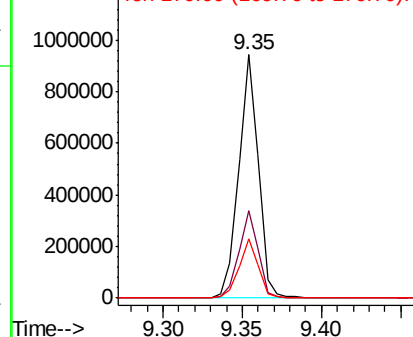


Abundance

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





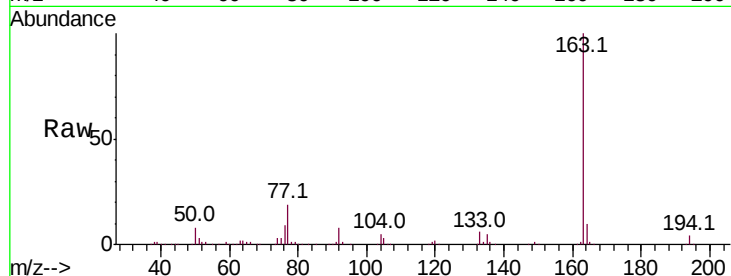
#49
Dimethylphthalate
Concen: 22.216 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108480.D
Acq: 24 Aug 2018 22:57

Instrument :
BNA_F
ClientSampled :
EP1-Q3-D2

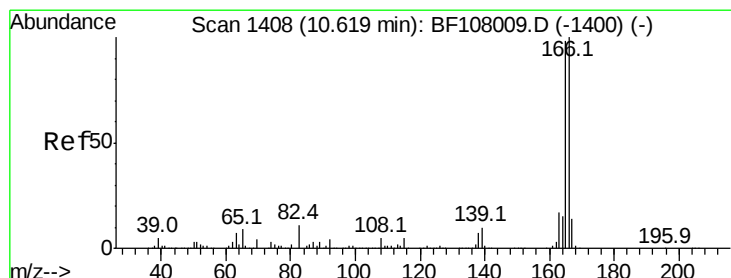
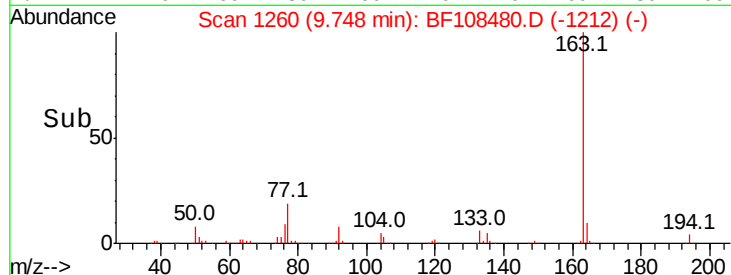
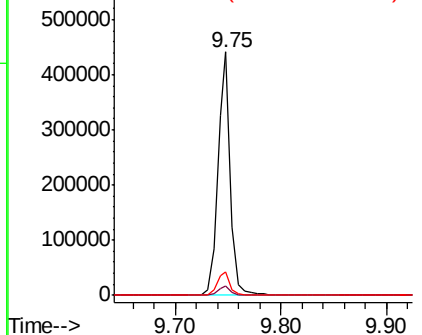
Tot Ion:	163	Resp:	364677
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	9.8	8.2	12.2

Manual Integrations
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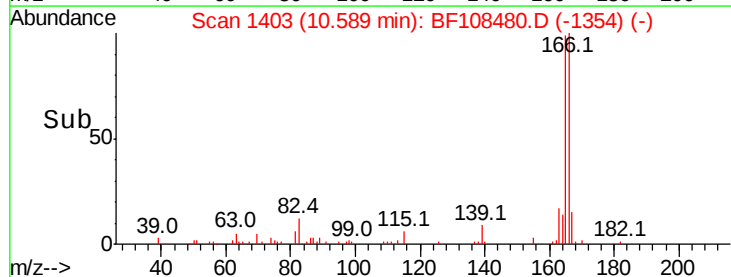
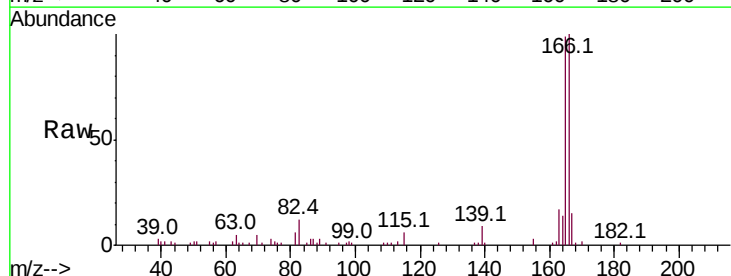
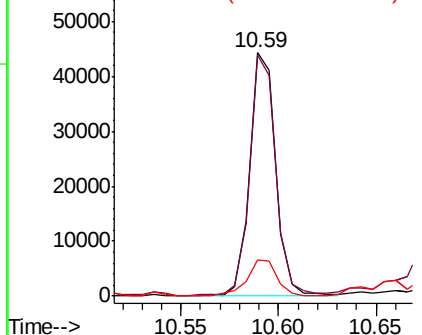
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

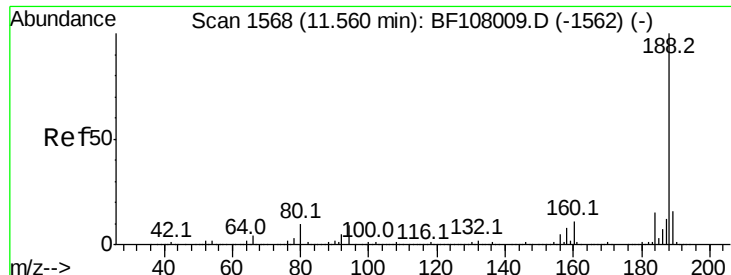


#57
Fluorene
Concen: 2.697 ng
RT: 10.59 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BF108480.D
Acq: 24 Aug 2018 22:57

Tgt Ion:	166	Resp:	41135
Ion Ratio	Lower	Upper	
166	100		
165	98.8	79.8	119.8
167	15.0	10.6	16.0

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





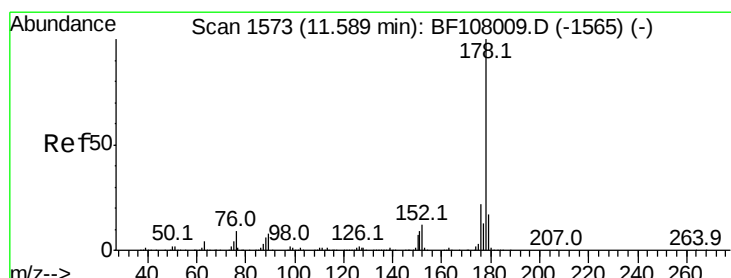
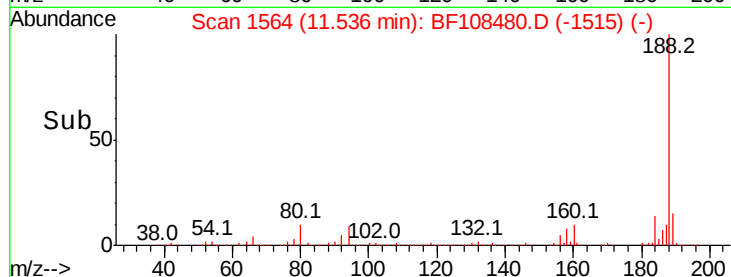
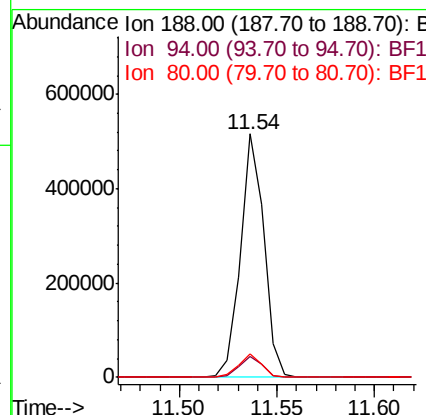
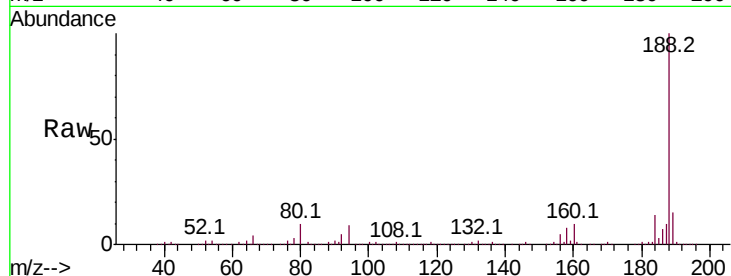
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108480.D
 Acq: 24 Aug 2018 22:57

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-D2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.6	8.5	12.7
80	9.7	9.2	13.8

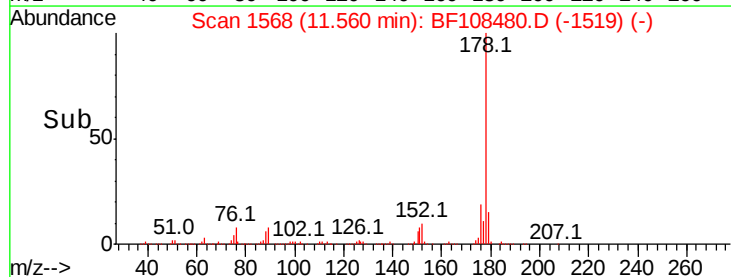
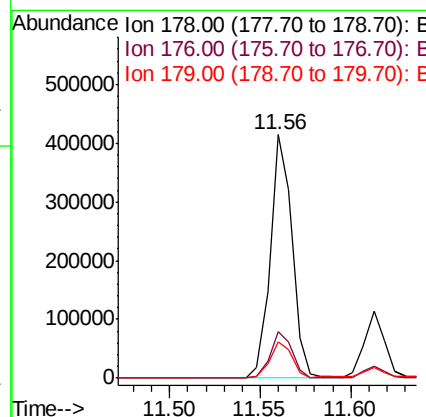
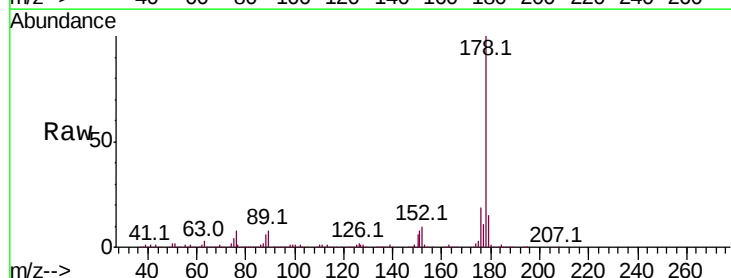
Manual Integrations
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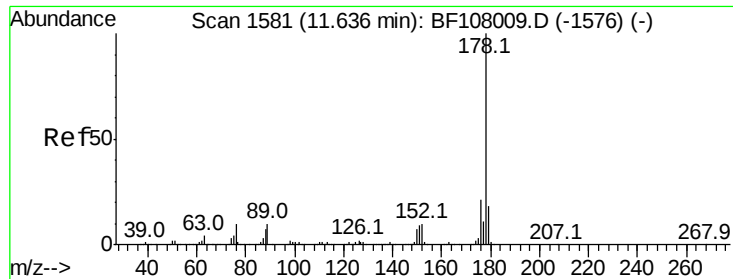
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#70
 Phenanthrene
 Concen: 17.153 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF108480.D
 Acq: 24 Aug 2018 22:57

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.1	13.0	19.6





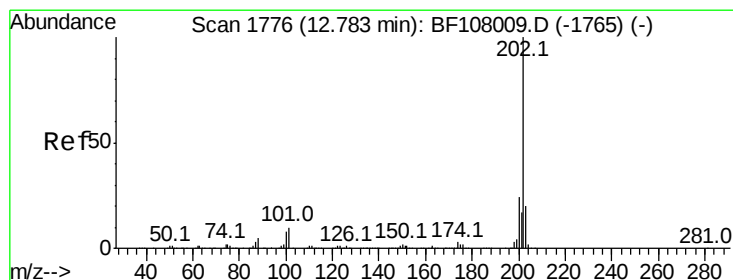
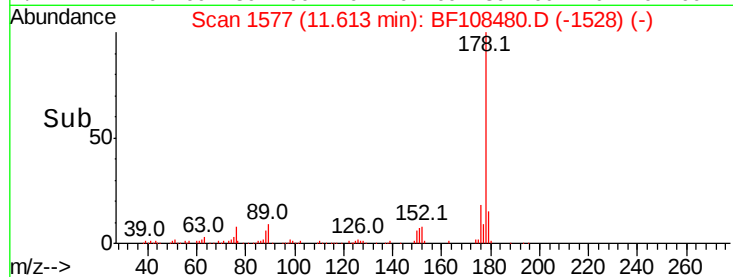
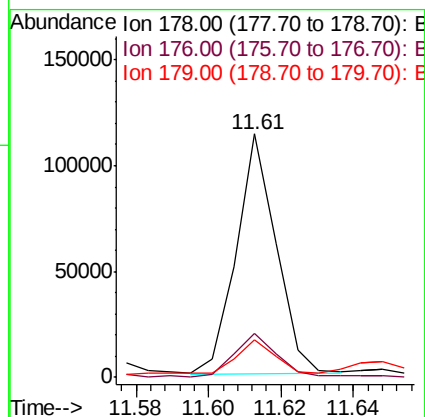
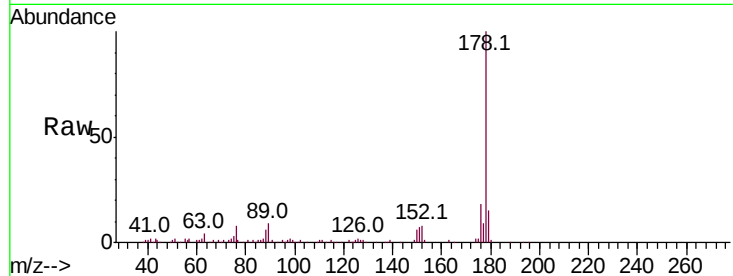
#71
 Anthracene
 Concen: 4.176 ng
 RT: 11.61 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF108480.D
 Acq: 24 Aug 2018 22:57

Instrument :
 BNA_F
 ClientSampled :
 EP1-Q3-D2

Tot Ion:178	Resp:	86740
Ion Ratio	Lower	Upper
178	100	
176	17.8	15.4 23.2
179	15.2	12.6 19.0

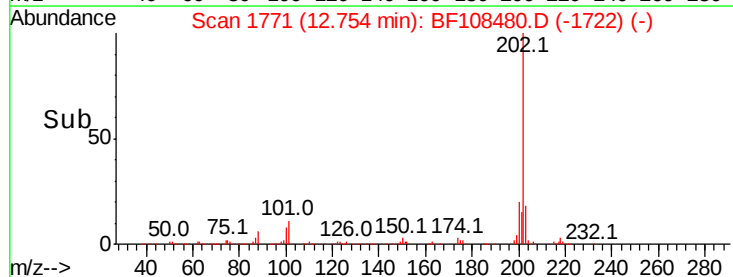
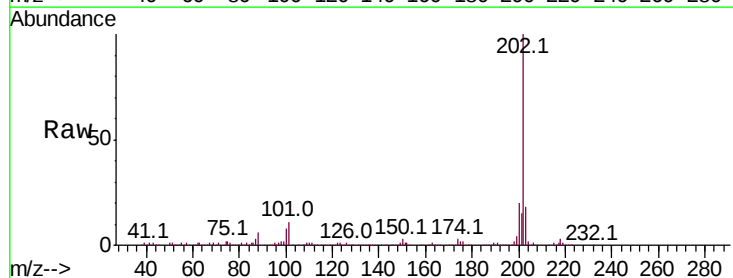
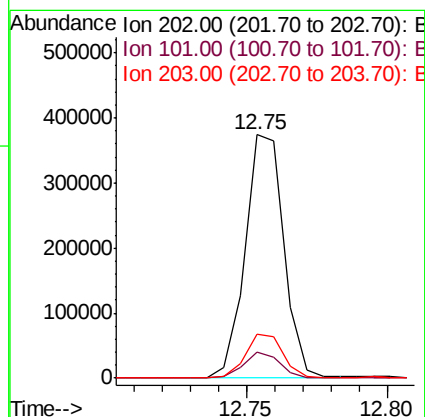
Manual Integrations
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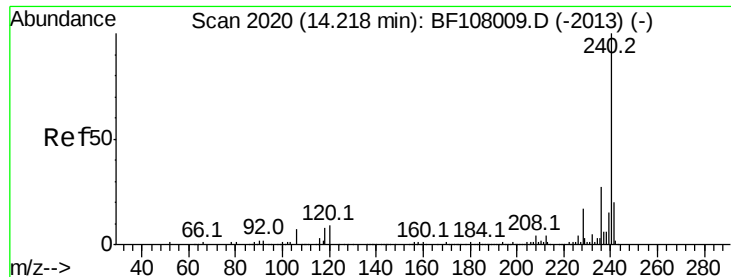
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#74
 Fluoranthene
 Concen: 16.015 ng
 RT: 12.75 min Scan# 1771
 Delta R.T. -0.01 min
 Lab File: BF108480.D
 Acq: 24 Aug 2018 22:57

Tgt Ion:202	Resp:	354186
Ion Ratio	Lower	Upper
202	100	
101	10.9	0.0 34.1
203	17.9	0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF108480.D

Acq: 24 Aug 2018 22:57

Instrument :

BNA_F

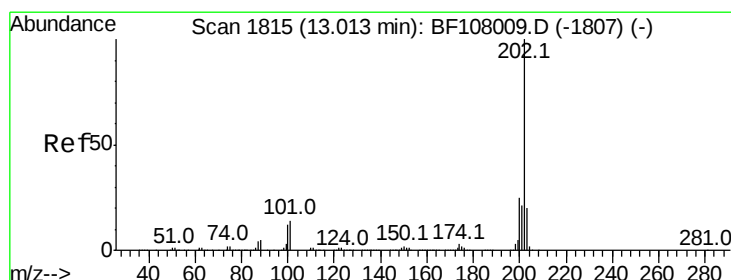
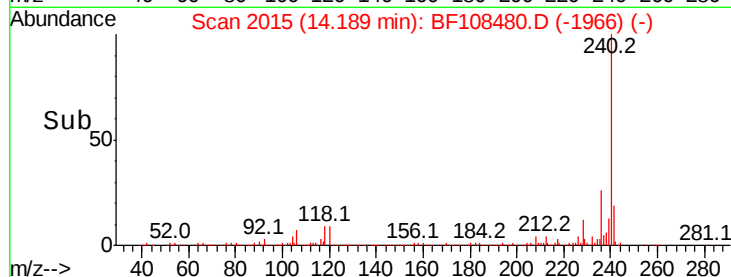
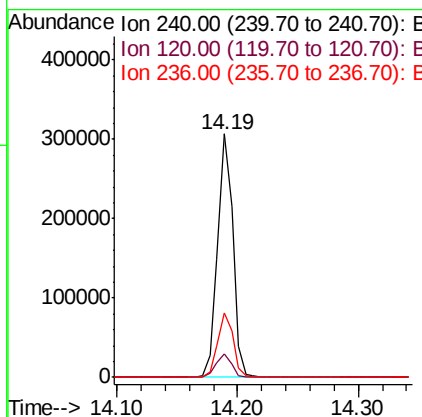
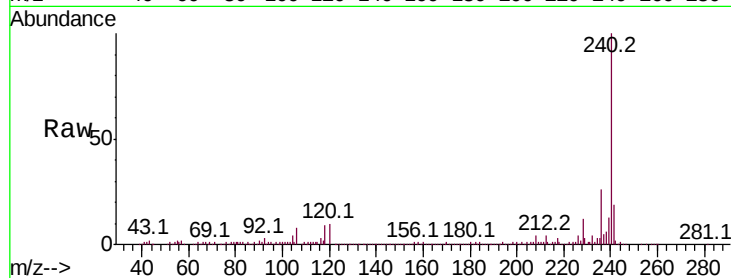
ClientSampleId :

EP1-Q3-D2

Tot Ion:	240	Resp:	265082
Ion Ratio	Lower	Upper	
240	100		
120	9.6	9.5	14.3
236	26.4	20.7	31.1

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#77

Pyrene

Concen: 22.347 ng

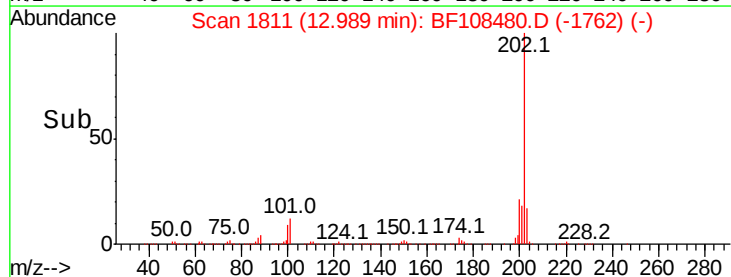
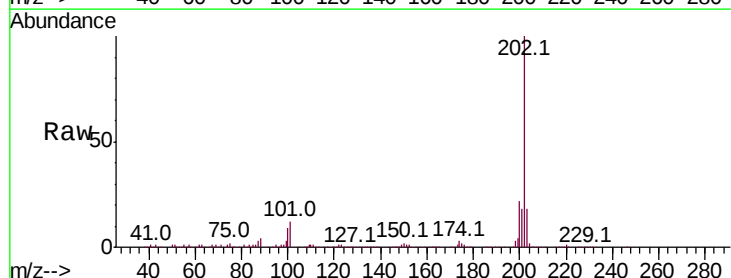
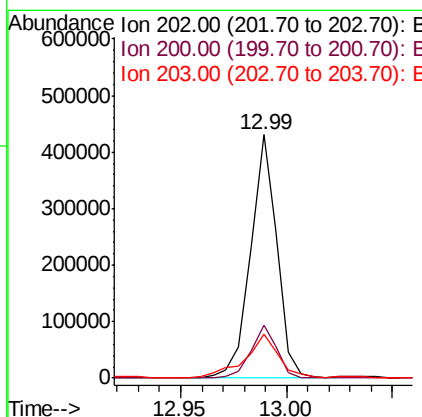
RT: 12.99 min Scan# 1811

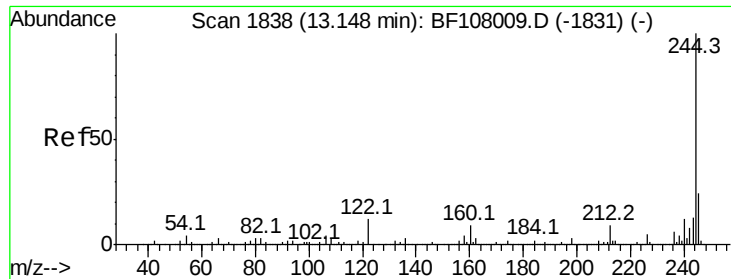
Delta R.T. -0.01 min

Lab File: BF108480.D

Acq: 24 Aug 2018 22:57

Tgt Ion:	202	Resp:	375043
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	18.0	14.3	21.5





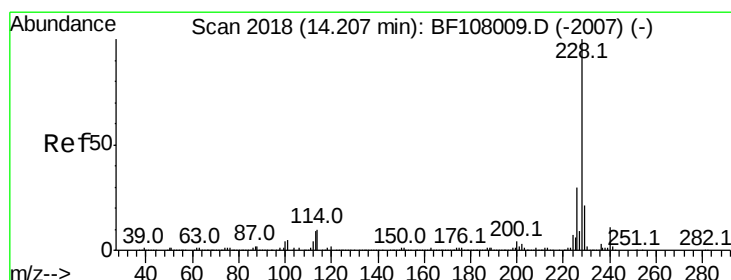
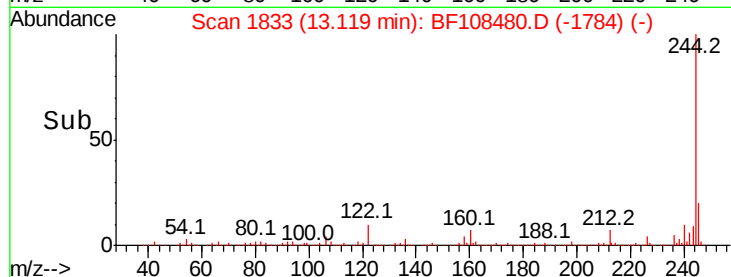
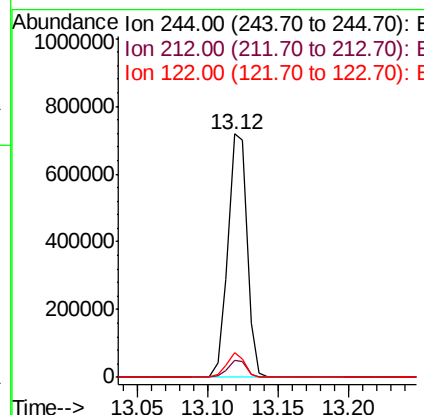
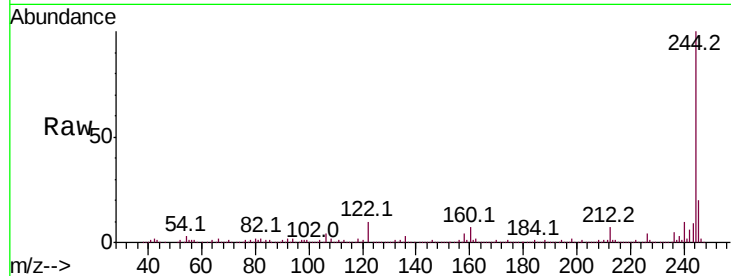
#78
 Terphenyl-d14
 Concen: 65.302 ng
 RT: 13.12 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BF108480.D
 Acq: 24 Aug 2018 22:57

Instrument :
 BNA_F
 ClientSampled :
 EP1-Q3-D2

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.1	5.4	8.0	
122	10.3	11.0	16.4	

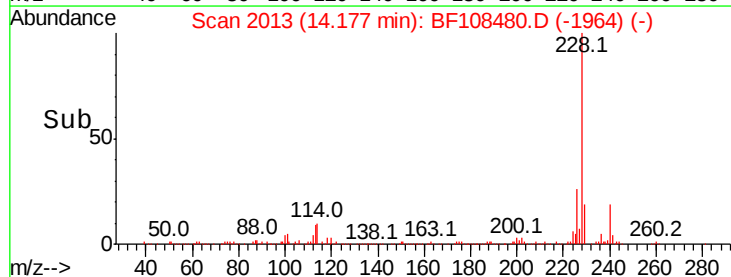
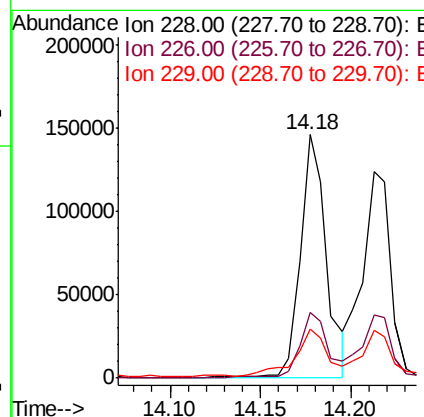
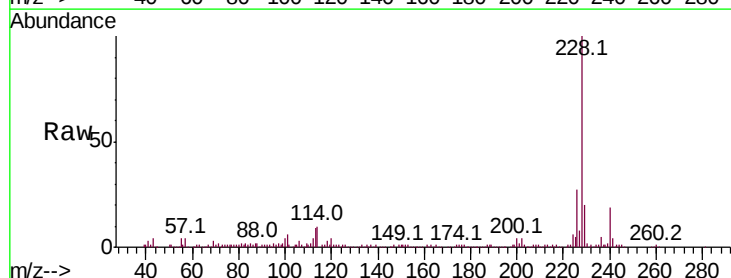
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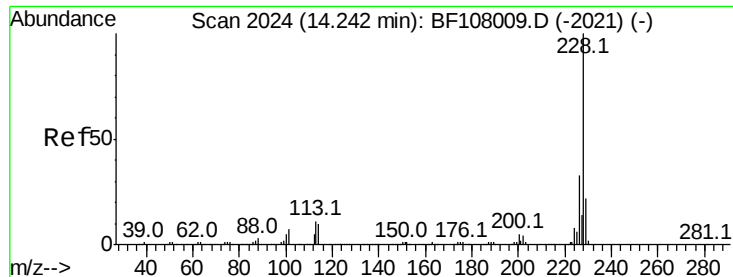
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#80
 Benzo(a)anthracene
 Concen: 9.600 ng
 RT: 14.18 min Scan# 2013
 Delta R.T. -0.01 min
 Lab File: BF108480.D
 Acq: 24 Aug 2018 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	27.0	22.6	33.8	
229	20.3	15.8	23.6	





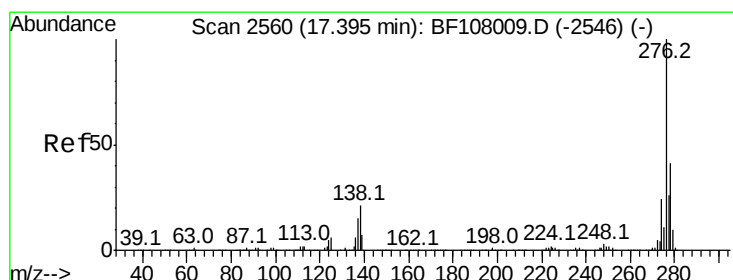
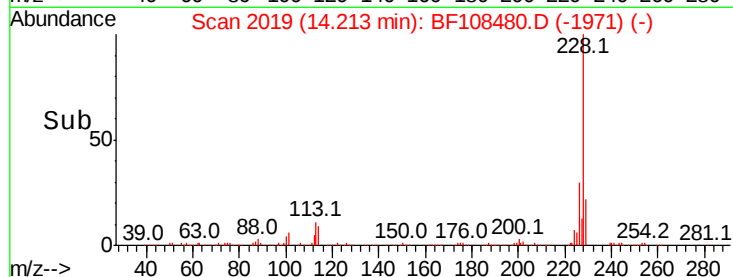
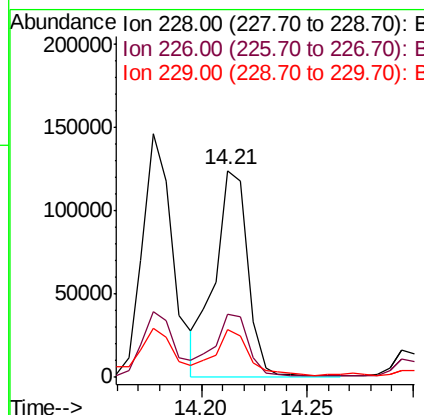
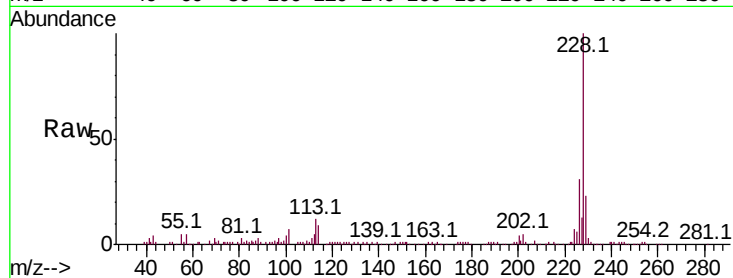
#82
Chrysene
Concen: 9.625 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF108480.D
Acq: 24 Aug 2018 22:57

Instrument :
BNA_F
ClientSampleID :
EP1-Q3-D2

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	22.9	16.2	24.4

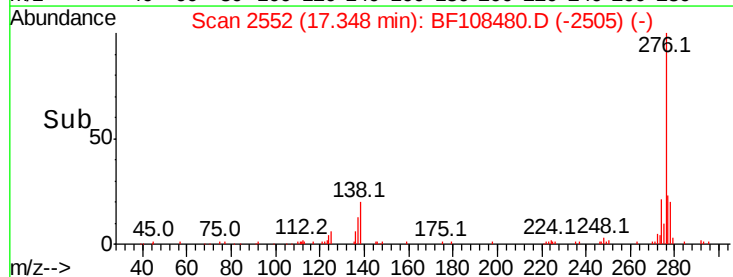
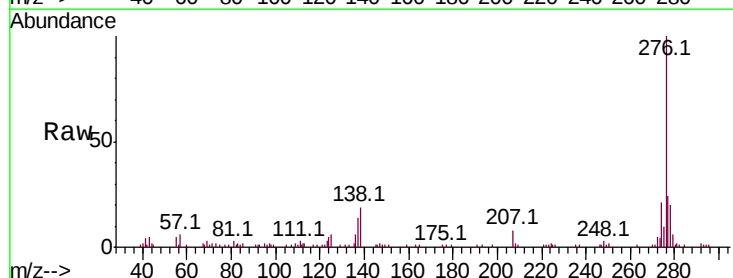
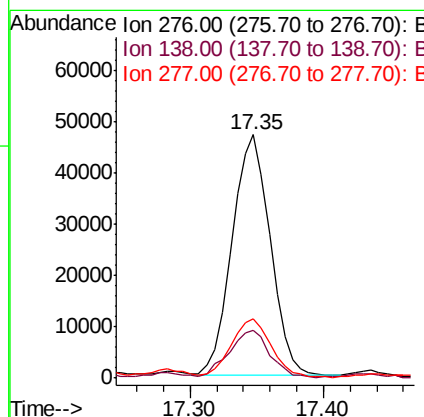
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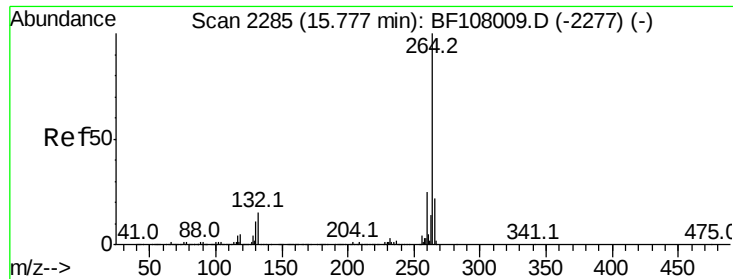
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.688 ng
RT: 17.35 min Scan# 2552
Delta R.T. -0.02 min
Lab File: BF108480.D
Acq: 24 Aug 2018 22:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.4	25.0	37.6#
277	26.3	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.74 min Scan# 2279

Delta R.T. -0.02 min

Lab File: BF108480.D

Acq: 24 Aug 2018 22:57

Instrument :

BNA_F

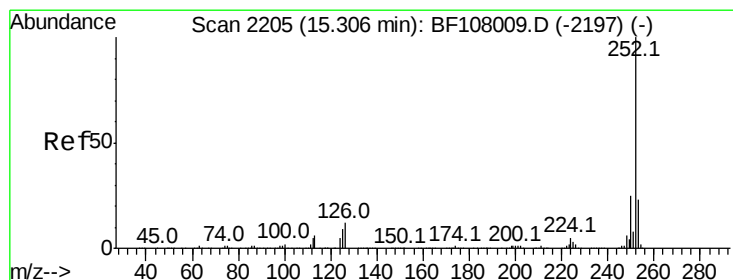
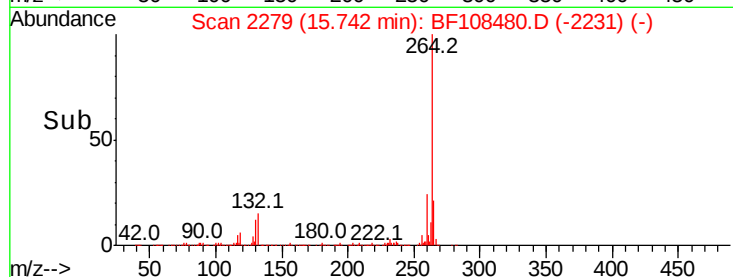
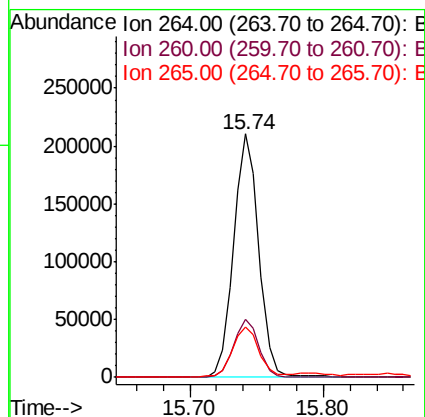
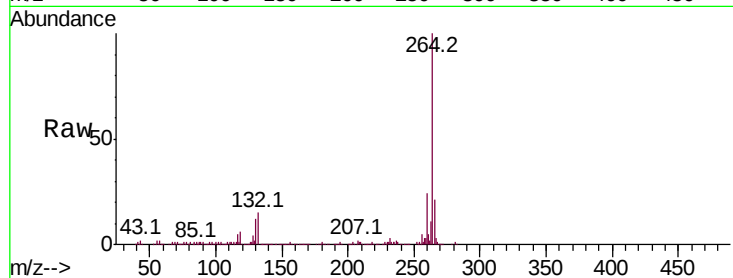
ClientSampleId :

EP1-Q3-D2

Tot Ion:	264	Resp:	277191
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.2	28.8
265	20.9	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 11.638 ng m

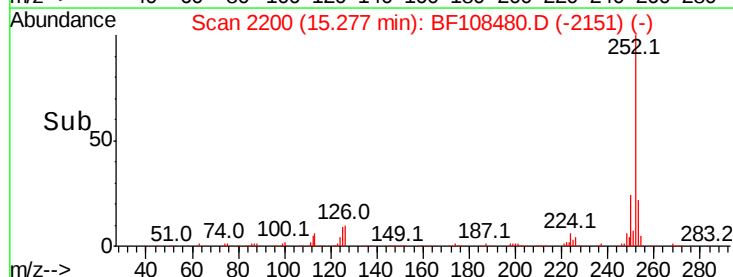
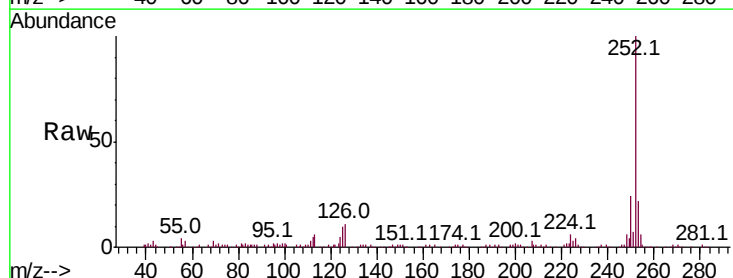
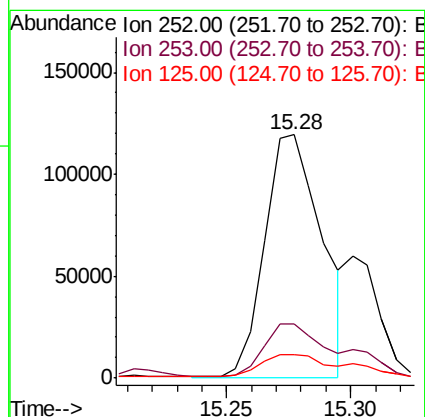
RT: 15.28 min Scan# 2200

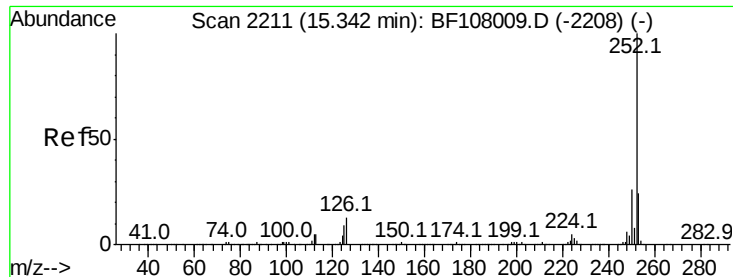
Delta R.T. -0.01 min

Lab File: BF108480.D

Acq: 24 Aug 2018 22:57

Tgt Ion:	252	Resp:	192761
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.0	25.6
125	9.7	9.0	13.6





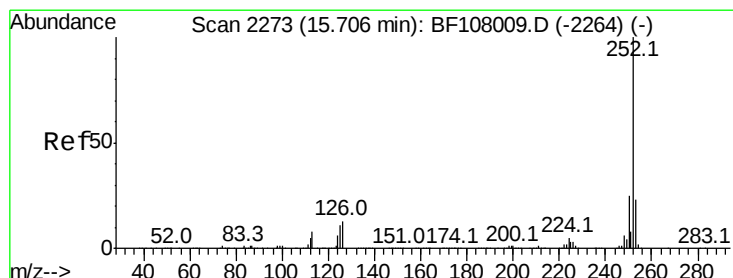
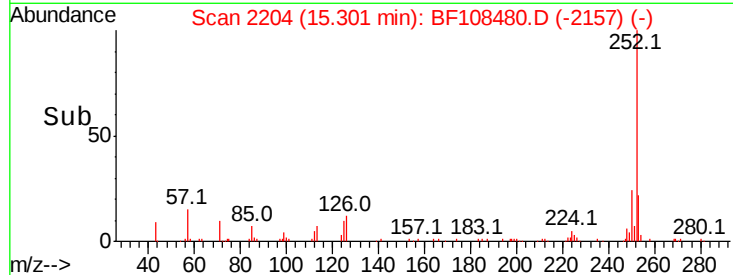
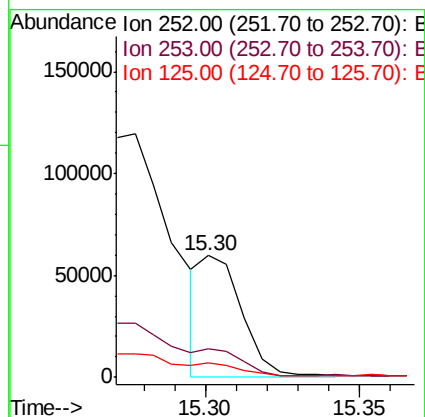
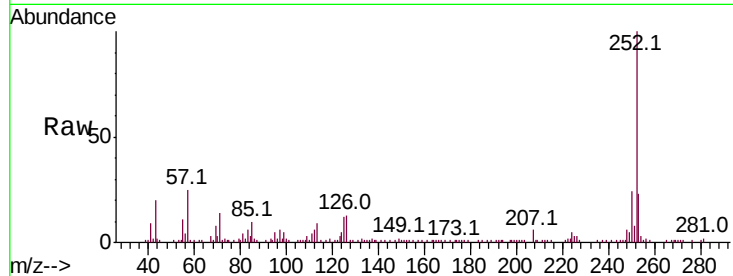
#88
Benzo(k)fluoranthene
Concen: 3.707 ng m
RT: 15.30 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF108480.D
Acq: 24 Aug 2018 22:57

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-D2

Tot Ion:252	Resp:	56446
Ion Ratio	Lower	Upper
252	100	
253	23.2	17.9 26.9
125	12.0	10.2 15.2

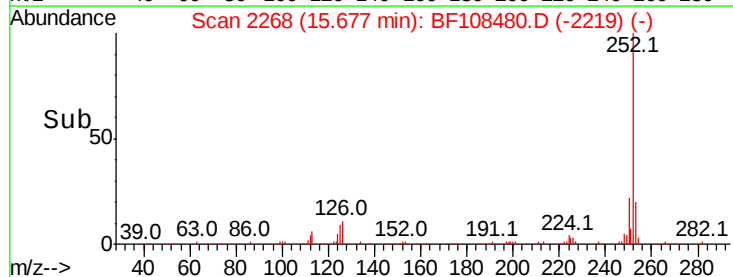
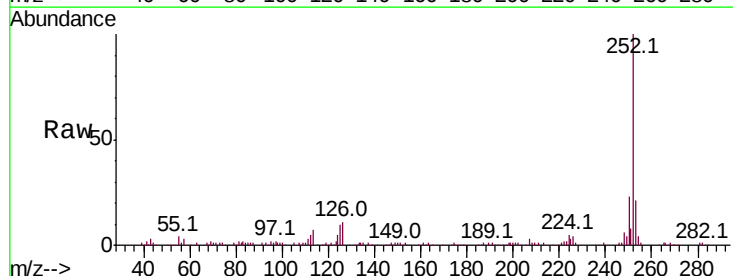
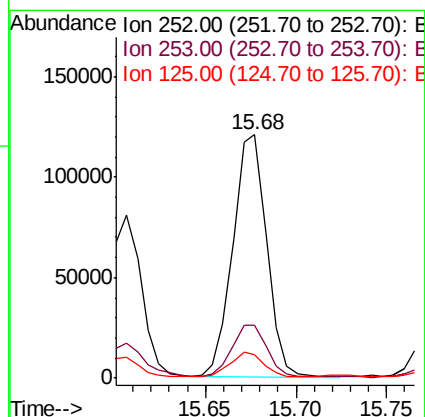
Manual Integrations
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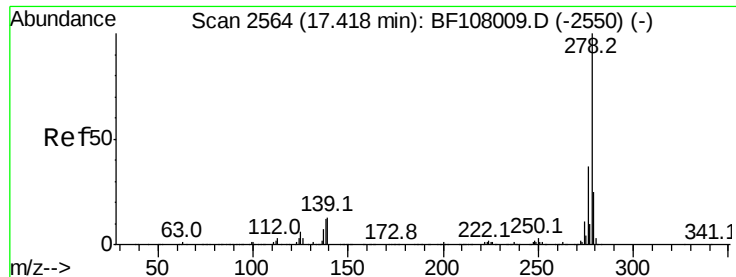
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#89
Benzo(a)pyrene
Concen: 10.577 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108480.D
Acq: 24 Aug 2018 22:57

Tgt Ion:252	Resp:	156871
Ion Ratio	Lower	Upper
252	100	
253	21.5	17.1 25.7
125	9.9	9.8 14.6





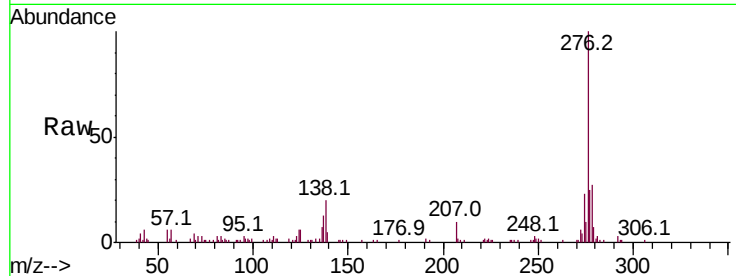
#90
Dibenzo(a,h)anthracene
Concen: 2.008 ng
RT: 17.35 min Scan# 2553
Delta R.T. -0.04 min
Lab File: BF108480.D
Acq: 24 Aug 2018 22:57

Instrument :
BNA_F
ClientSampled :
EP1-Q3-D2

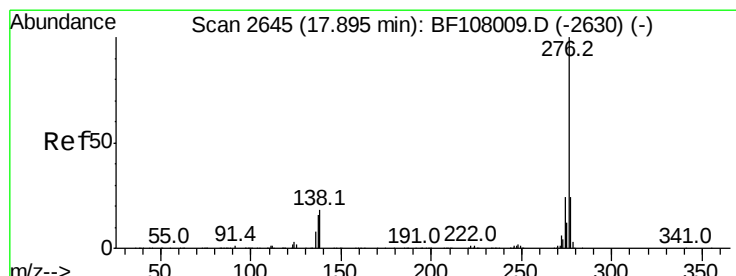
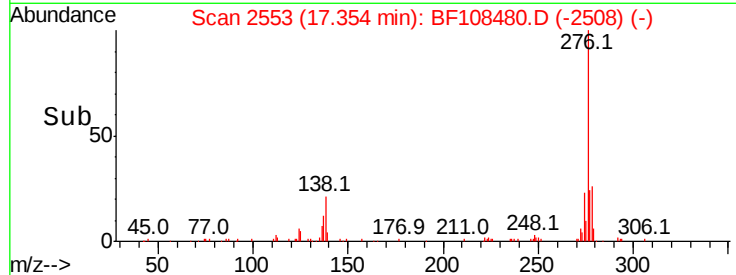
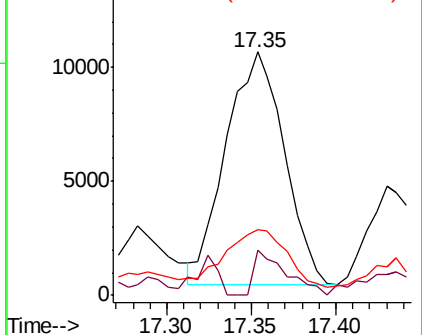
Tot Ion:	278	Resp:	24640
Ion Ratio	Lower	Upper	
278	100		
139	18.5	15.9	23.9
279	27.0	19.0	28.4

Manual Integrations
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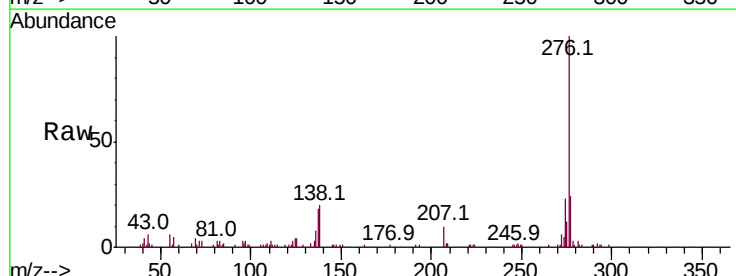


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 7.630 ng m
RT: 17.84 min Scan# 2635
Delta R.T. -0.03 min
Lab File: BF108480.D
Acq: 24 Aug 2018 22:57

Tgt Ion:	276	Resp:	92202
Ion Ratio	Lower	Upper	
276	100		
277	24.3	17.9	26.9
138	20.3	21.8	32.8#



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

