

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
 Data File : BF108478.D
 Acq On : 24 Aug 2018 22:02
 Operator : JU/SJ
 Sample : J4581-16
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-C4

Manual Integrations
 APPROVED

Sohil
 8/27/2018 12:56:50 PM

Quant Time: Aug 25 01:37:28 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	131181	20.00	ng	-0.01
21) Naphthalene-d8	8.28	136	504514	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	254738	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	479993	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	289270	20.00	ng	-0.01
86) Perylene-d12	15.74	264	277567	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	563322	77.75	ng	0.00
7) Phenol-d6	6.62	99	766445	79.60	ng	-0.01
23) Nitrobenzene-d5	7.56	82	504273	55.77	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	222098	87.41	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	913316	57.56	ng	-0.01
78) Terphenyl-d14	13.12	244	834576	73.36	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.75	163	365366	20.590	ng	99
70) Phenanthrene	11.56	178	428386	18.922	ng	99
71) Anthracene	11.61	178	97187	4.188	ng	99
74) Fluoranthene	12.76	202	498700	20.183	ng	93
77) Pyrene	12.99	202	409076	22.337	ng	99
80) Benzo(a)anthracene	14.18	228	174754	10.527	ng	99
82) Chrysene	14.21	228	146227	9.608	ng	98
85) Indeno(1,2,3-cd)pyrene	17.34	276	78793	5.975	ng	# 88
87) Benzo(b)fluoranthene	15.28	252	165965m	10.006	ng	
88) Benzo(k)fluoranthene	15.30	252	49034m	3.216	ng	
89) Benzo(a)pyrene	15.67	252	120003m	8.080	ng	
91) Benzo(a,h,i)perylene	17.84	276	70135	5.796	ng	# 90

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

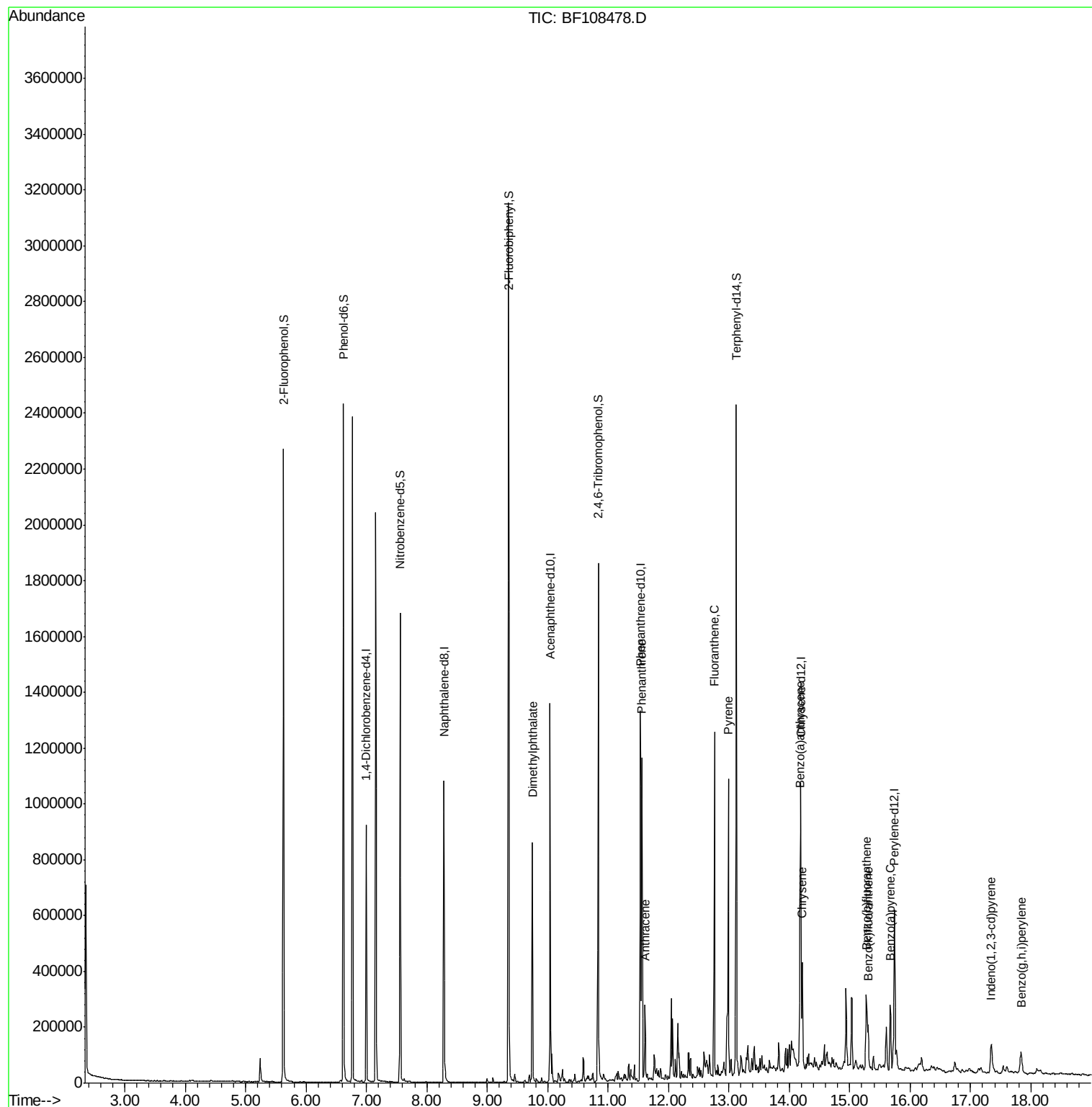
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
Data File : BF108478.D
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Sample : J4581-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

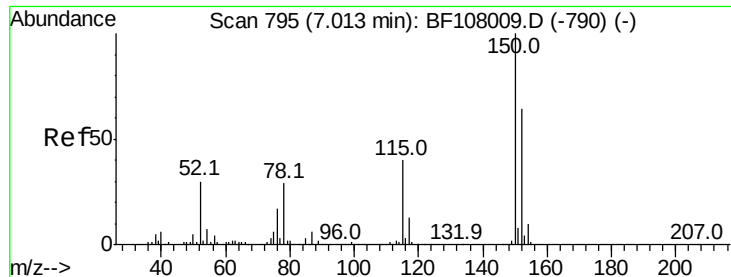
Instrument :
BNA_F
ClientSampleId :
EP1-Q3-C4

Quant Time: Aug 25 01:37:28 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
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#1

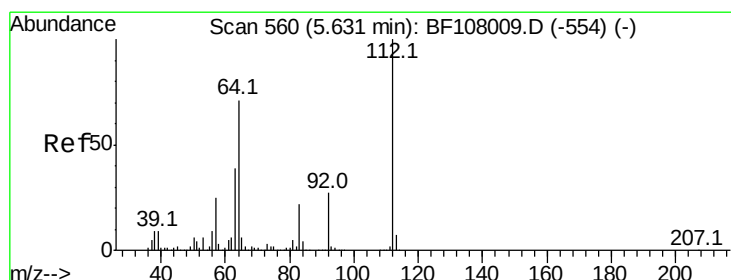
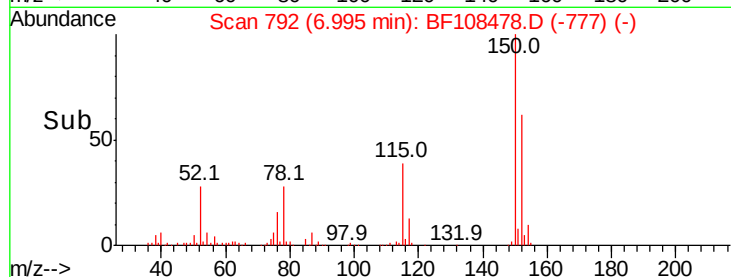
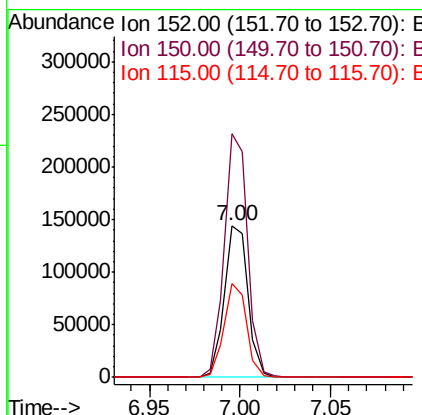
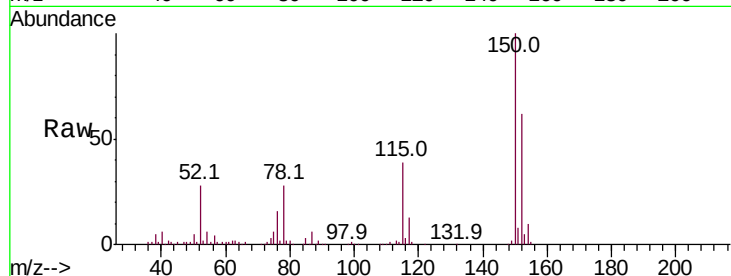
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108478.D
Acq: 24 Aug 2018 22:02

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-C4

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.6	186.8
115	62.0	50.1	75.1

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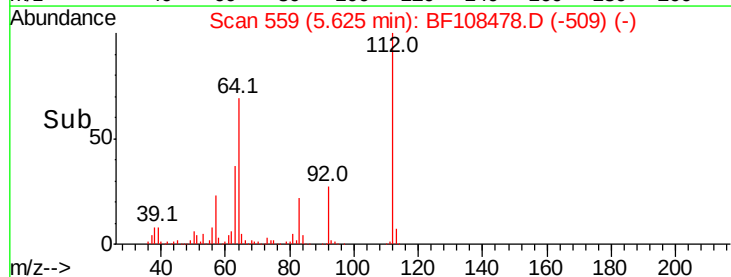
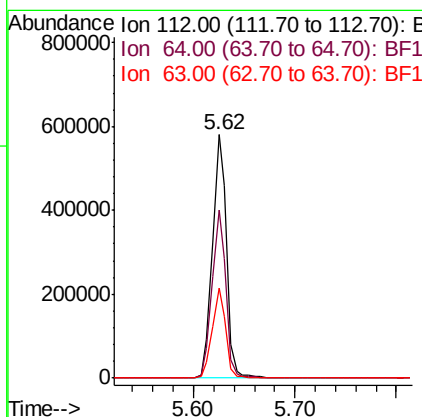
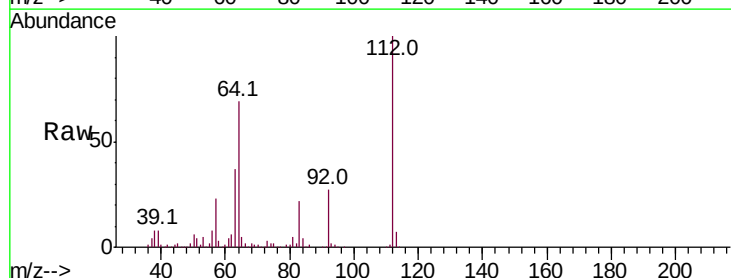
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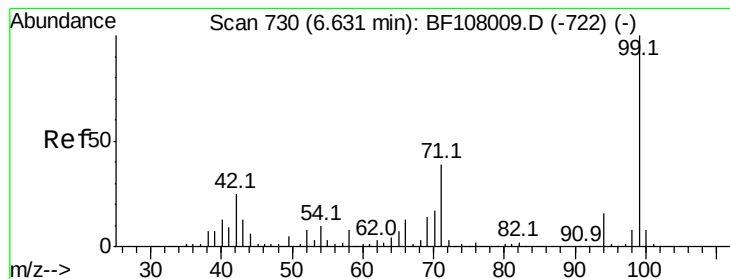


#5

2-Fluorophenol
Concen: 77.745 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108478.D
Acq: 24 Aug 2018 22:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.3	47.9	71.9
63	36.9	23.7	35.5#





#7

Phenol-d6

Concen: 79.601 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108478.D

Acq: 24 Aug 2018 22:02

Instrument :

BNA_F

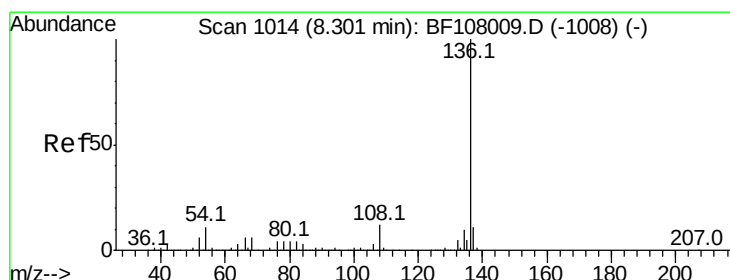
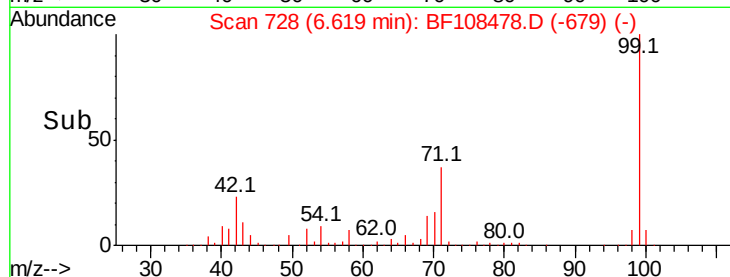
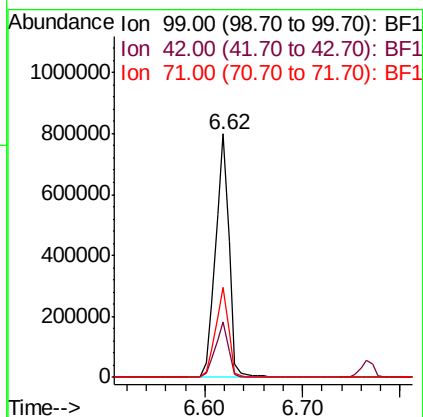
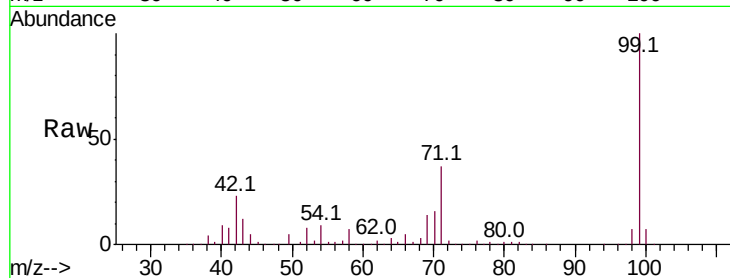
ClientSampled :

EP1-Q3-C4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		766445		
42	22.8	14.5	21.7#		
71	36.8	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

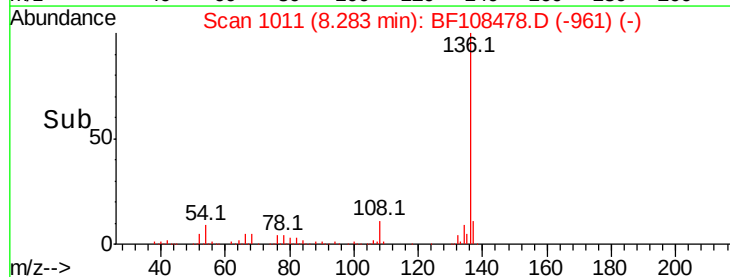
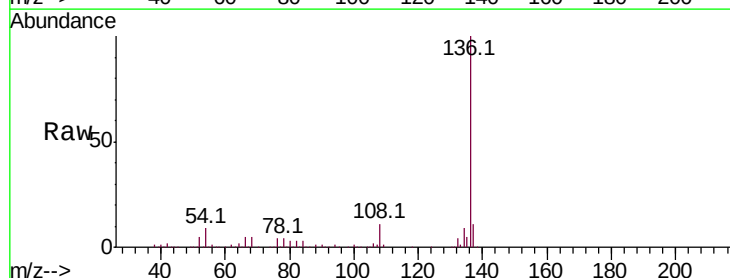
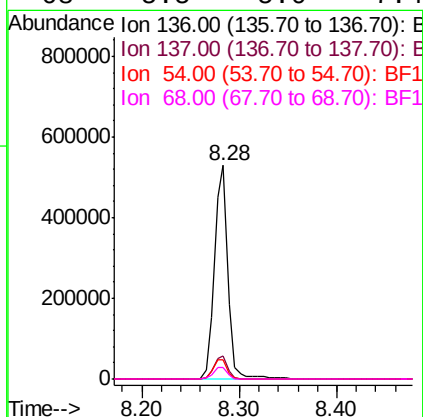
RT: 8.28 min Scan# 1011

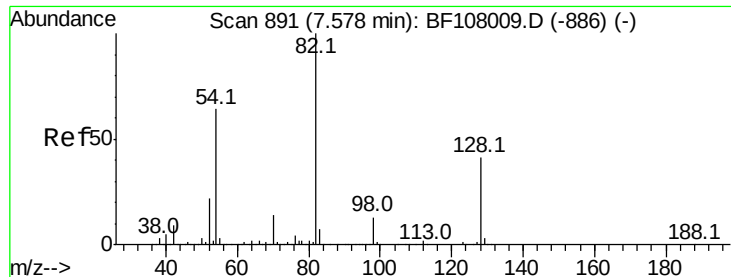
Delta R.T. -0.01 min

Lab File: BF108478.D

Acq: 24 Aug 2018 22:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		504514		
137	10.5	8.9	13.3		
54	8.9	6.6	9.8		
68	5.5	5.0	7.4		





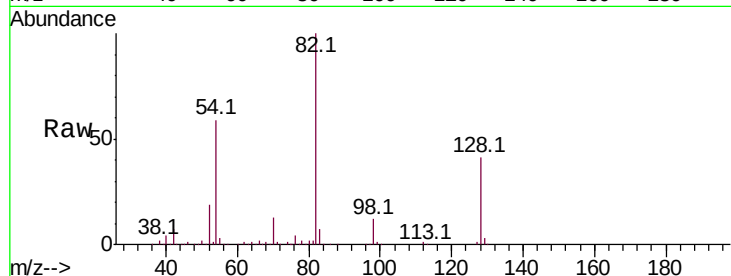
#23
Nitrobenzene-d5
Concen: 55.775 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108478.D
Acq: 24 Aug 2018 22:02

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-C4

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.7	36.1	54.1
54	58.7	41.4	62.2

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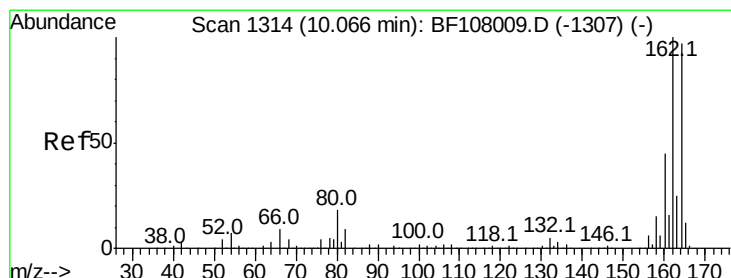
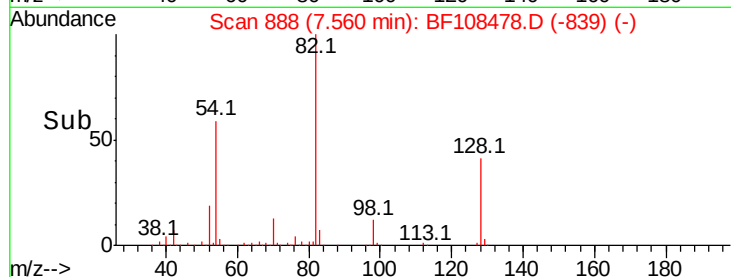
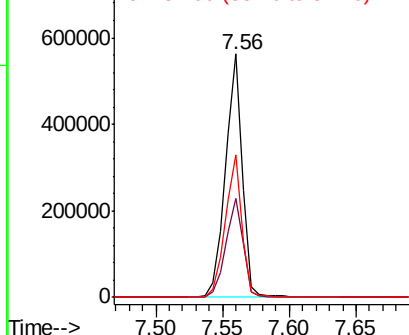


Abundance

Ion 82.00 (81.70 to 82.70): BF1

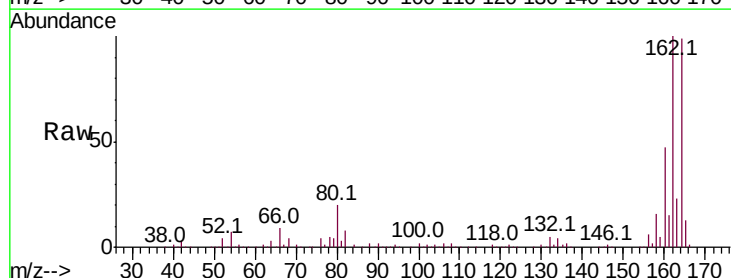
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108478.D
Acq: 24 Aug 2018 22:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	86.1	129.1
160	47.5	38.3	57.5

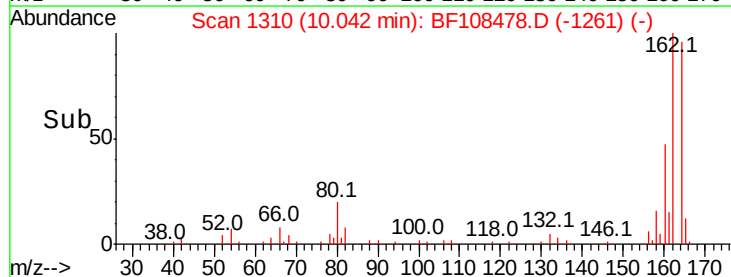
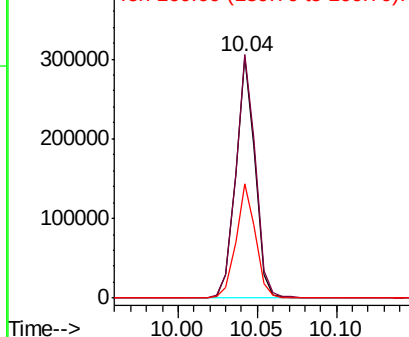


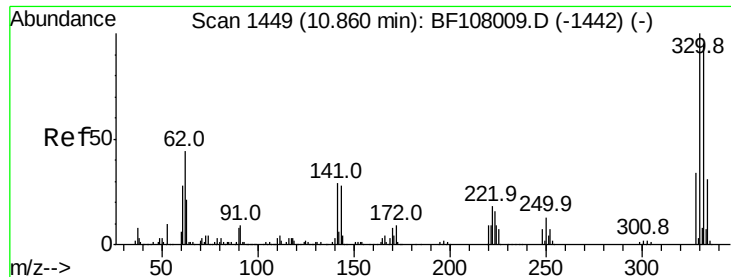
Abundance

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





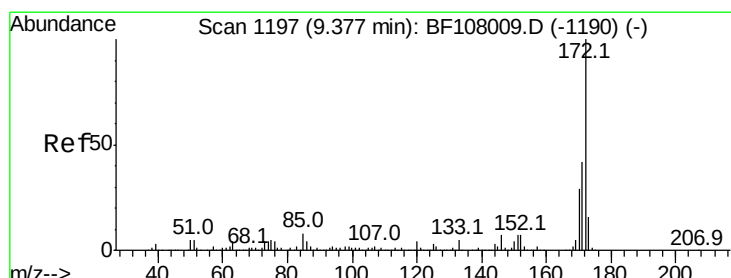
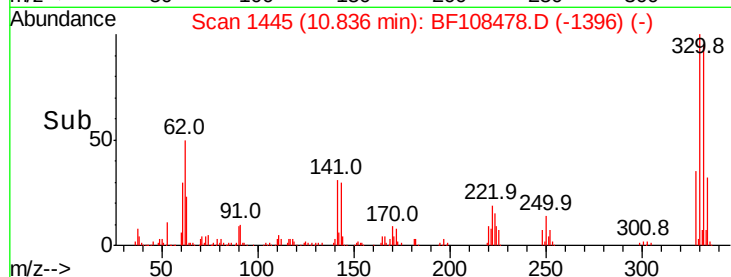
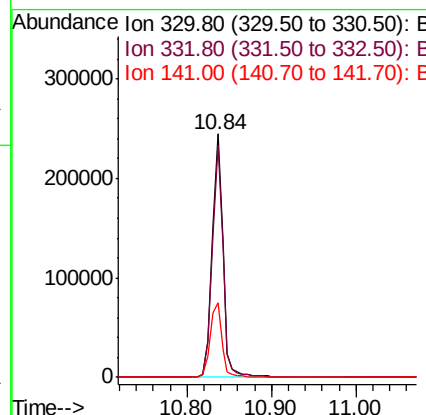
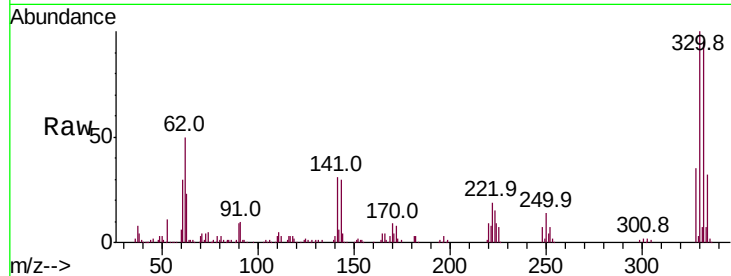
#41
 2,4,6-Tribromophenol
 Concen: 87.408 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108478.D
 Acq: 24 Aug 2018 22:02

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-C4

Tot Ion	Ratio	Resp	Lower	Upper
330	100	222098		
332	94.9	77.0	115.6	
141	33.1	29.9	44.9	

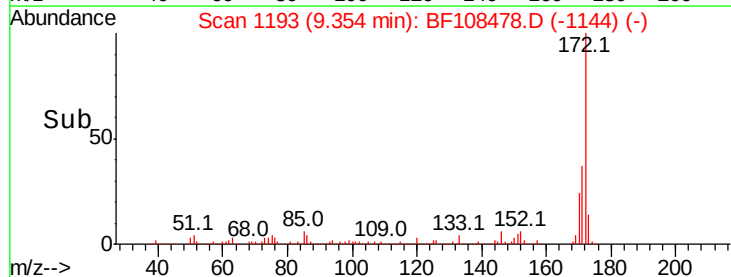
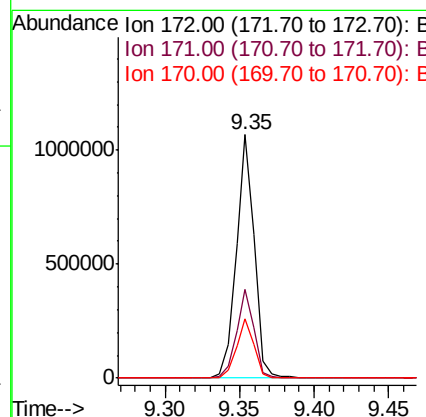
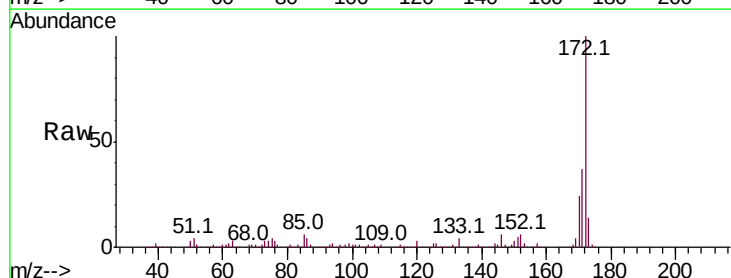
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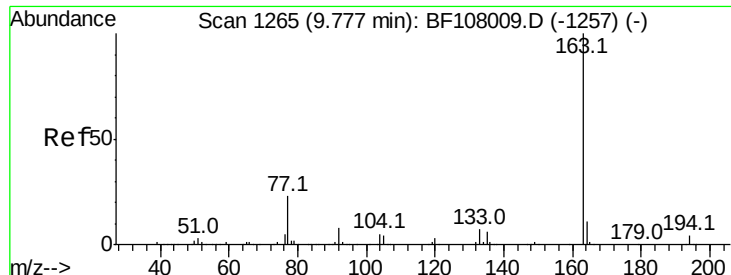
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#44
 2-Fluorobiphenyl
 Concen: 57.561 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108478.D
 Acq: 24 Aug 2018 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	913316		
171	36.5	29.7	44.5	
170	24.4	19.6	29.4	





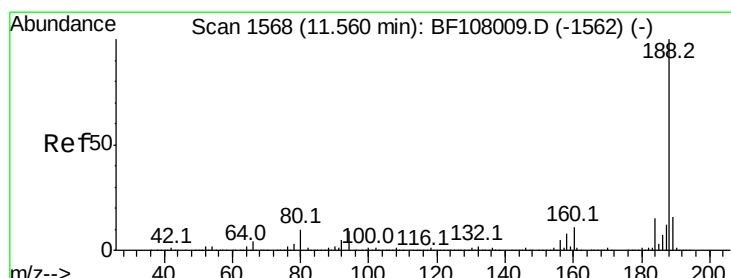
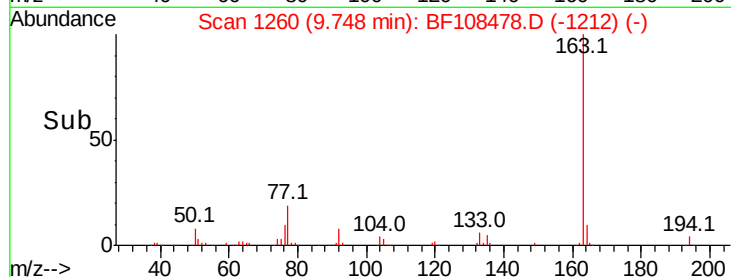
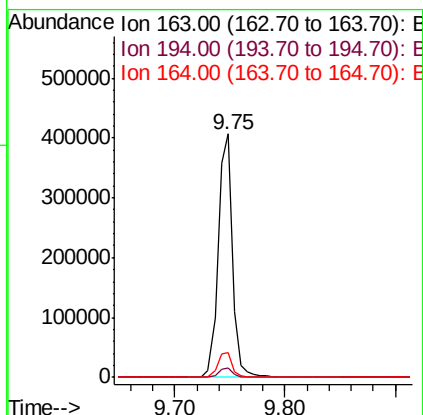
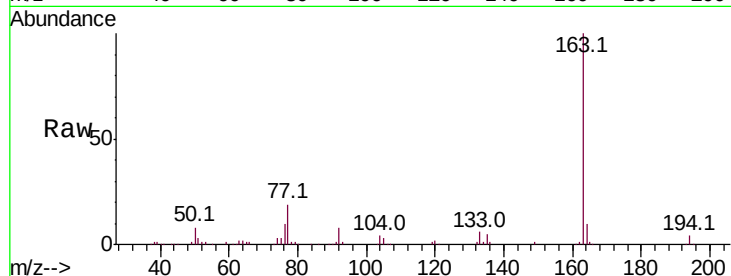
#49
Dimethylphthalate
Concen: 20.590 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108478.D
Acq: 24 Aug 2018 22:02

Instrument :
BNA_F
ClientSampled :
EP1-Q3-C4

Tot Ion	Ratio	Resp	Lower	Upper
163	100	365366		
194	4.0	2.7	4.1	
164	10.2	8.2	12.2	

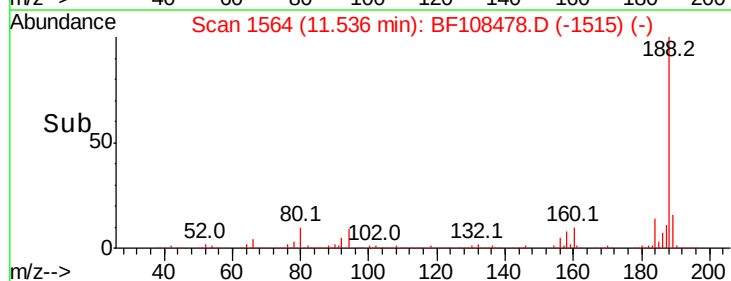
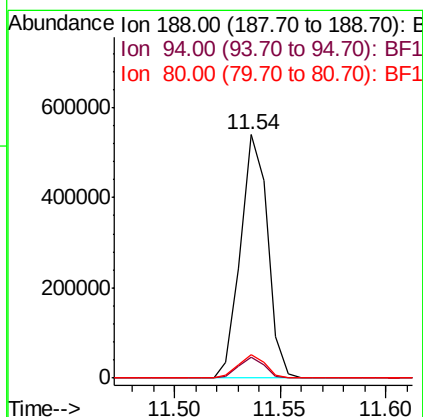
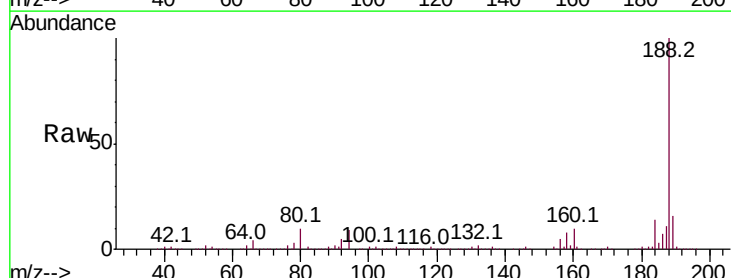
Manual Integrations
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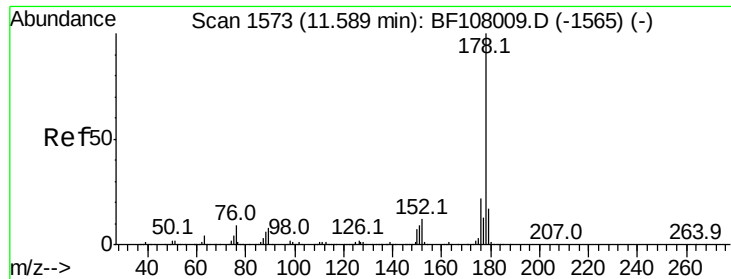
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF108478.D
Acq: 24 Aug 2018 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	479993		
94	8.5	8.5	12.7	
80	9.8	9.2	13.8	





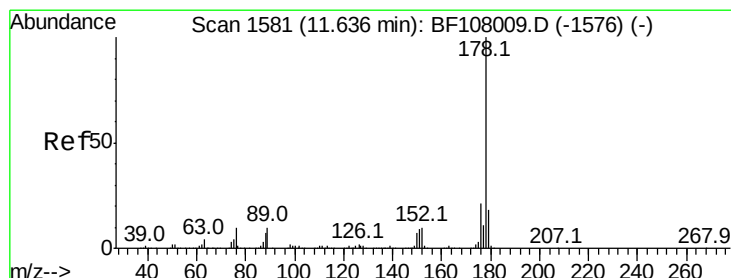
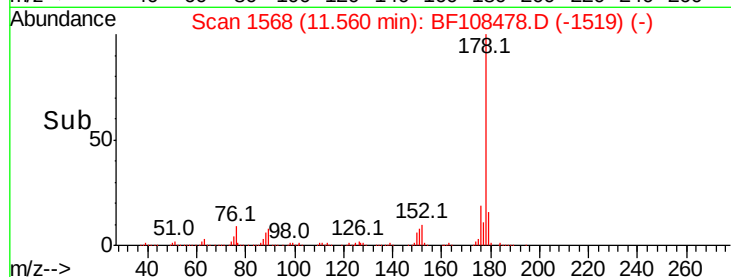
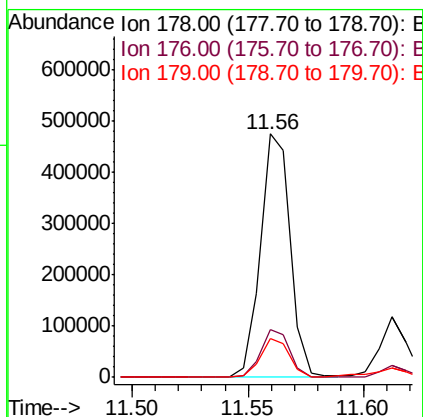
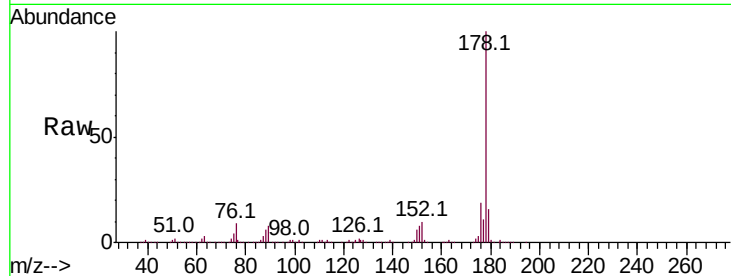
#70
Phenanthrene
Concen: 18.922 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF108478.D
Acq: 24 Aug 2018 22:02

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-C4

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.9	13.0	19.6

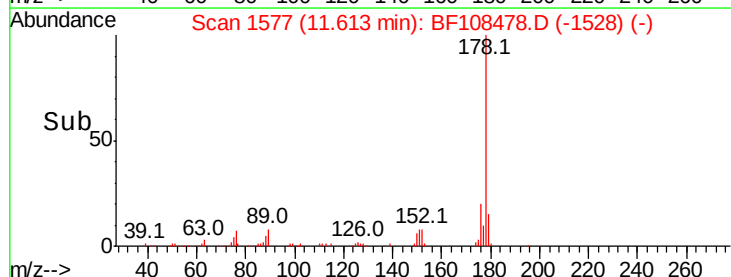
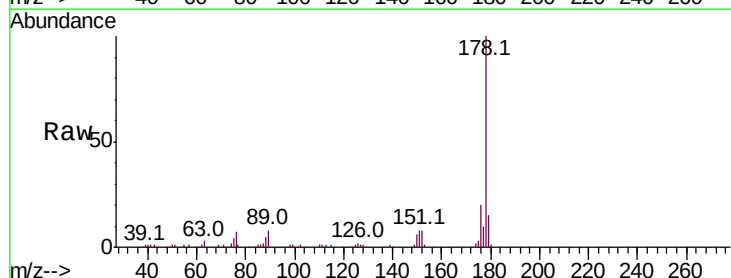
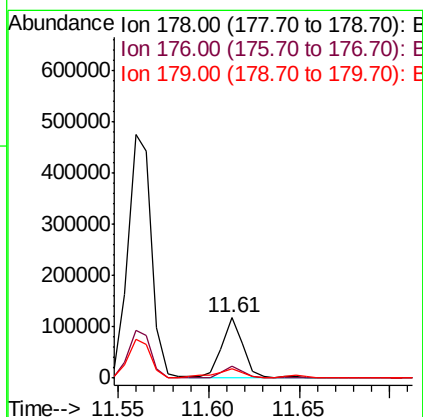
Manual Integrations
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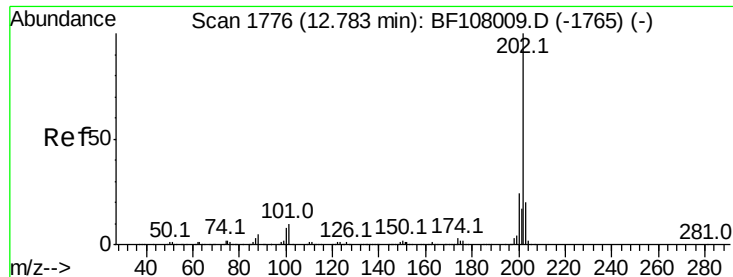
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#71
Anthracene
Concen: 4.188 ng
RT: 11.61 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF108478.D
Acq: 24 Aug 2018 22:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.4	12.6	19.0





#74

Fluoranthene

Concen: 20.183 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108478.D

Acq: 24 Aug 2018 22:02

Instrument :

BNA_F

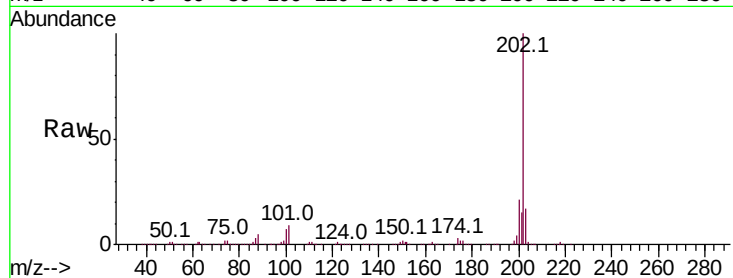
ClientSampleId :

EP1-Q3-C4

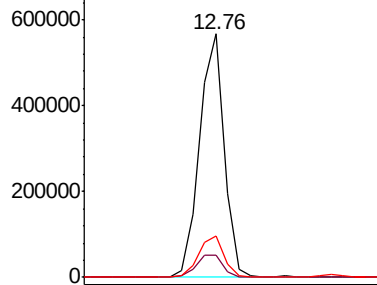
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.2	0.0	34.1
203	17.1	0.0	38.1

Manual Integrations
APPROVED

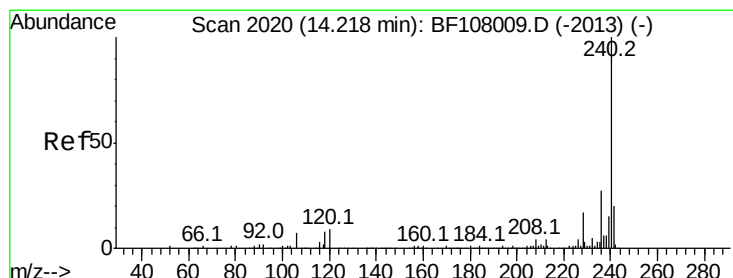
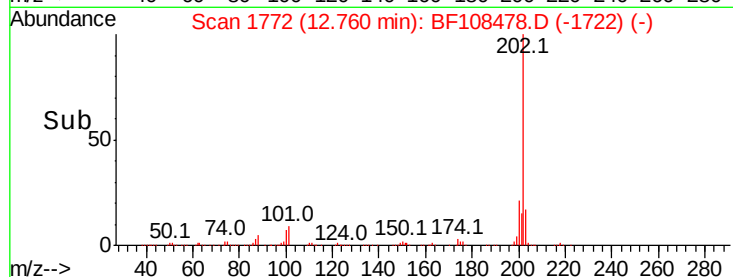
Sohil
8/27/2018 12:56:50 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 12.70 12.75 12.80



#75

Chrysene-d12

Concen: 20.000 ng

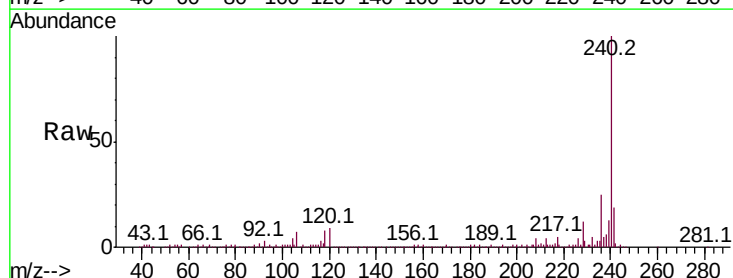
RT: 14.19 min Scan# 2015

Delta R.T. -0.01 min

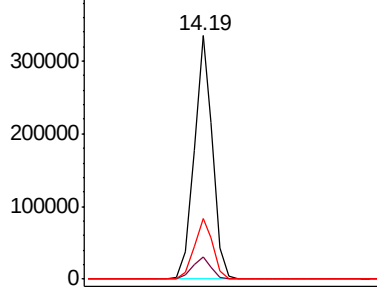
Lab File: BF108478.D

Acq: 24 Aug 2018 22:02

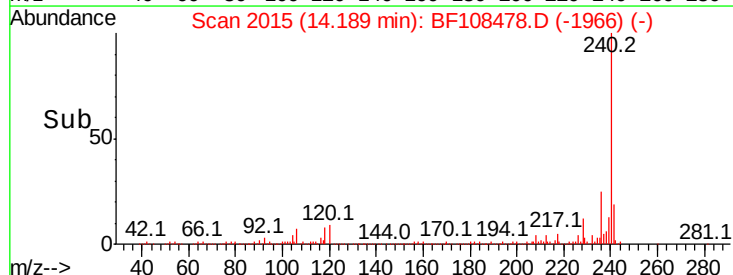
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.3	9.5	14.3#
236	25.1	20.7	31.1

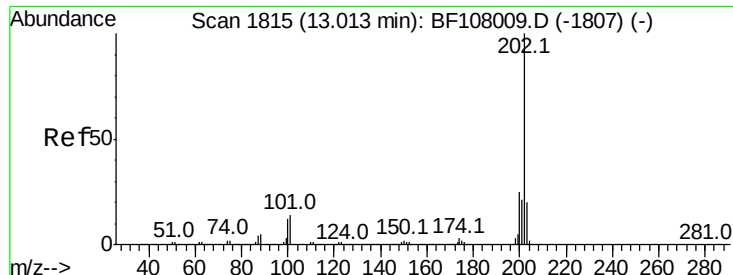


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time--> 14.15 14.20 14.25





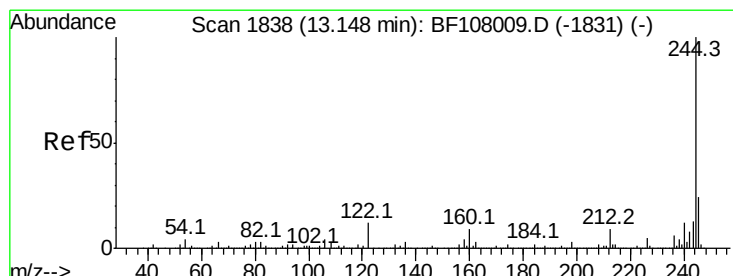
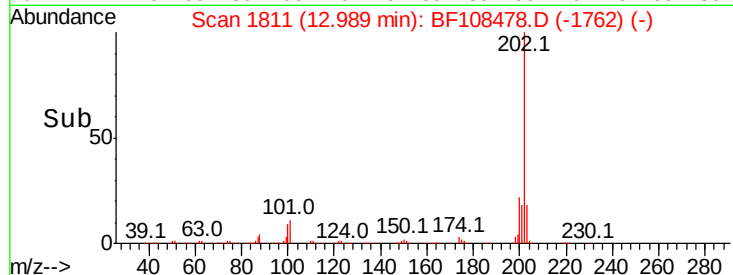
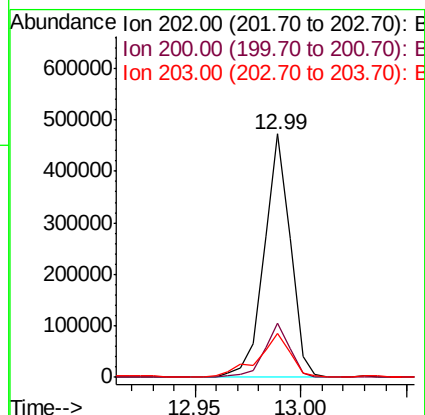
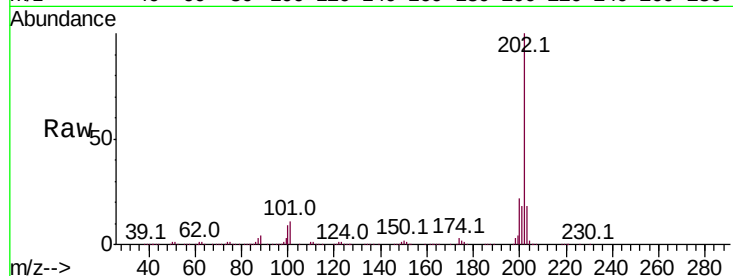
#77
Pvrene
Concen: 22.337 ng
RT: 12.99 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF108478.D
Acq: 24 Aug 2018 22:02

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-C4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	22.2	17.4	26.2		
203	18.2	14.3	21.5		

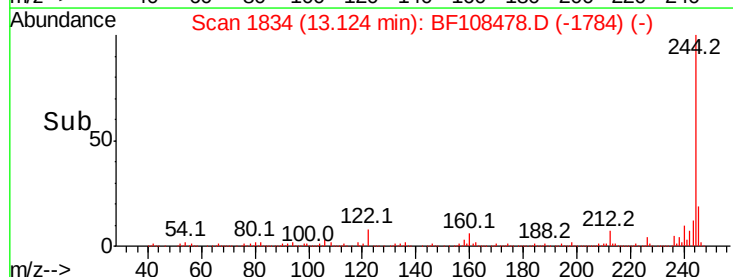
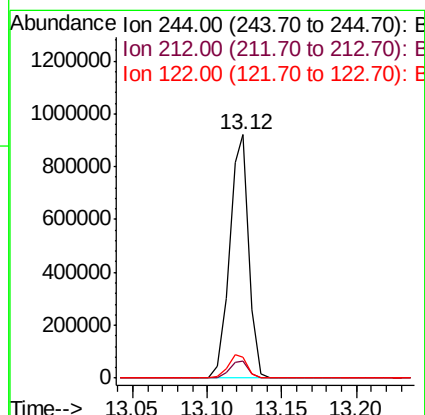
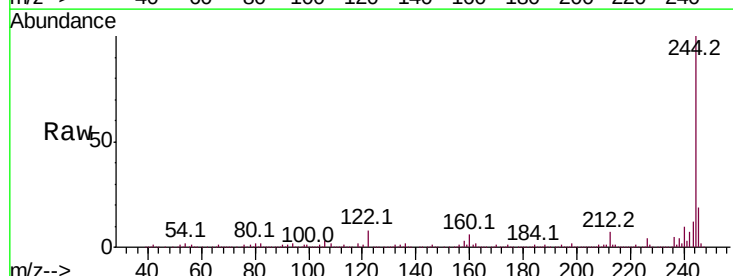
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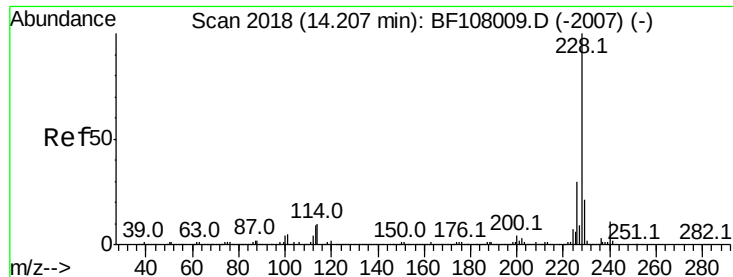
Sohil
8/27/2018 12:56:50 PM



#78
Terphenyl-d14
Concen: 73.356 ng
RT: 13.12 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BF108478.D
Acq: 24 Aug 2018 22:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	7.0	5.4	8.0		
122	8.4	11.0	16.4		





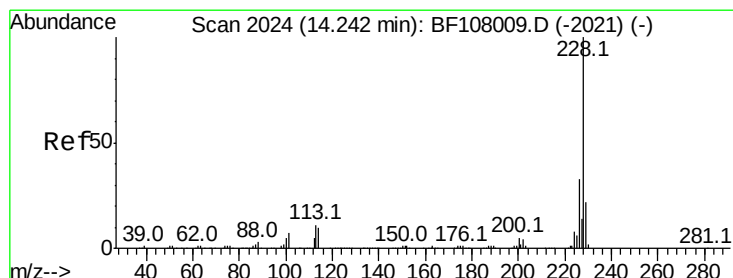
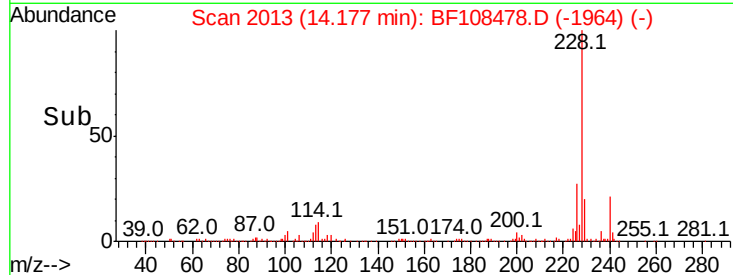
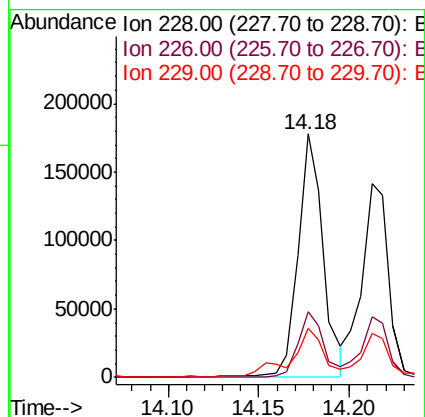
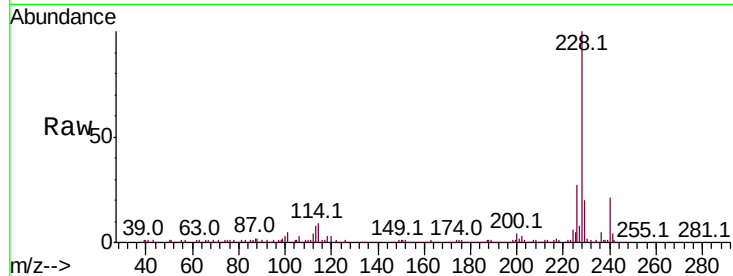
#80
Benzo(a)anthracene
Concen: 10.527 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF108478.D
Acq: 24 Aug 2018 22:02

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-C4

Tot Ion:228	Resp:	174754
Ion Ratio	Lower	Upper
228 100		
226 27.2	22.6	33.8
229 20.1	15.8	23.6

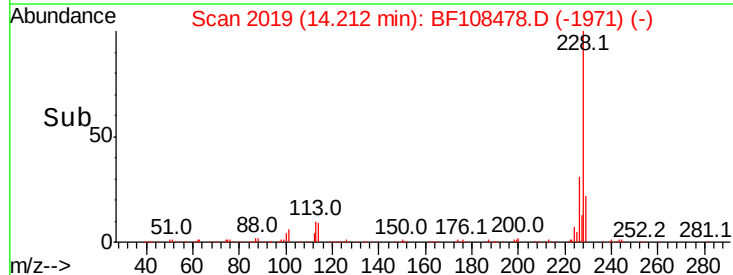
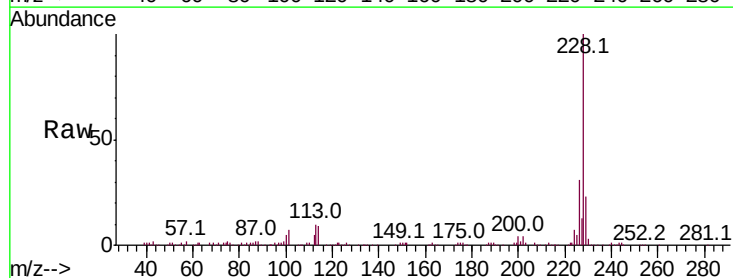
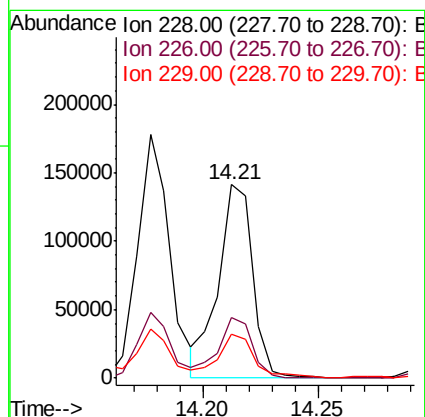
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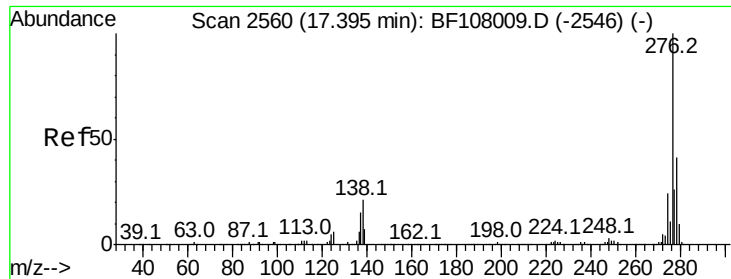
Sohil
8/27/2018 12:56:50 PM



#82
Chrysene
Concen: 9.608 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF108478.D
Acq: 24 Aug 2018 22:02

Tgt Ion:228	Resp:	146227
Ion Ratio	Lower	Upper
228 100		
226 31.5	25.0	37.6
229 22.9	16.2	24.4





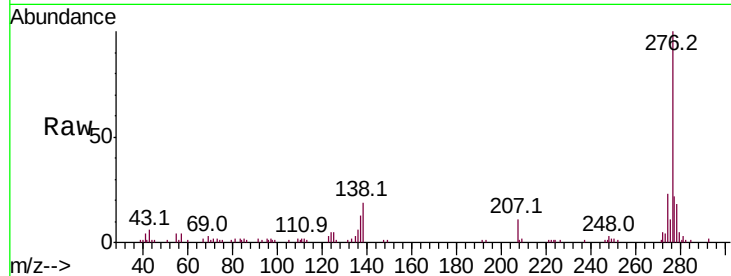
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.975 ng
RT: 17.34 min Scan# 2551
Delta R.T. -0.03 min
Lab File: BF108478.D
Acq: 24 Aug 2018 22:02

Instrument :
BNA_F
ClientSampled :
EP1-Q3-C4

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	25.0	37.6
277	25.1	20.1	30.1

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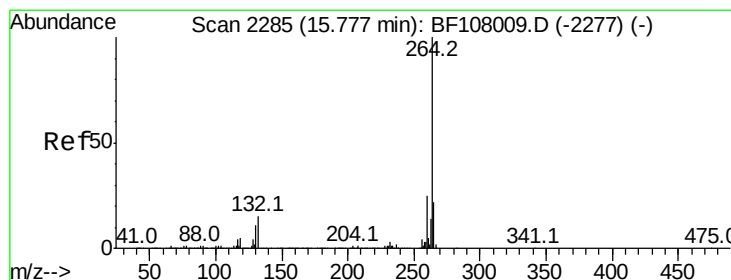
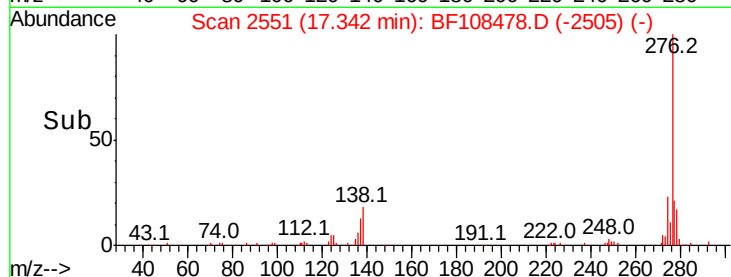
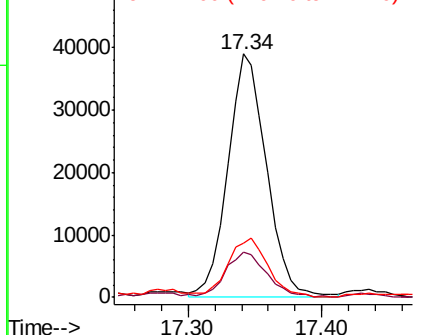


Abundance

Ion 276.00 (275.70 to 276.70): E

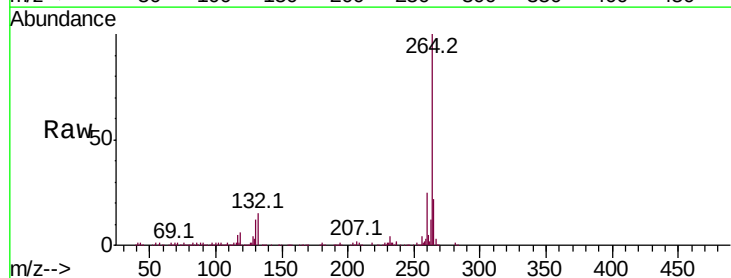
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.74 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BF108478.D
Acq: 24 Aug 2018 22:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.0	17.5	26.3

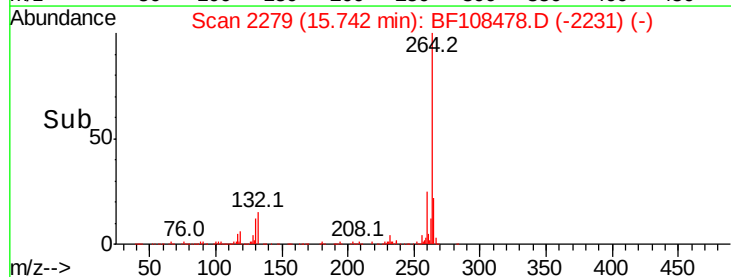
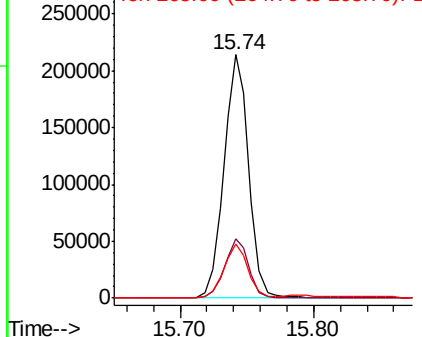


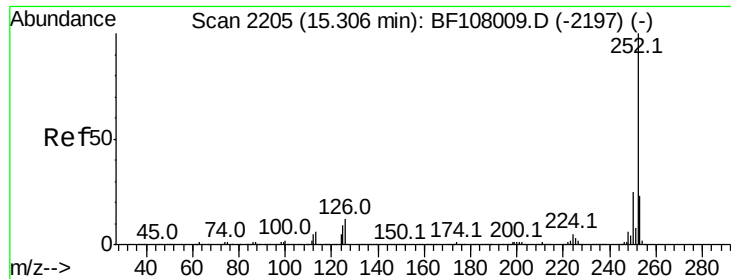
Abundance

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





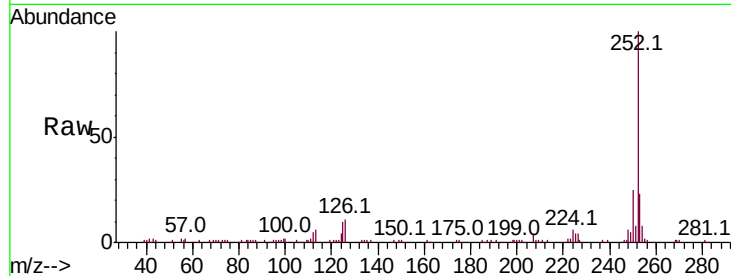
#87
Benzo(b)fluoranthene
Concen: 10.006 ng m
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108478.D
Acq: 24 Aug 2018 22:02

Instrument :
BNA_F
ClientSampled :
EP1-Q3-C4

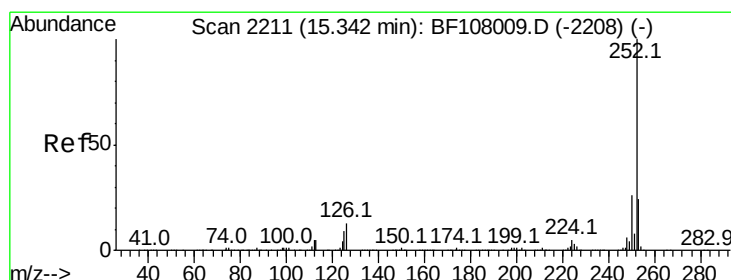
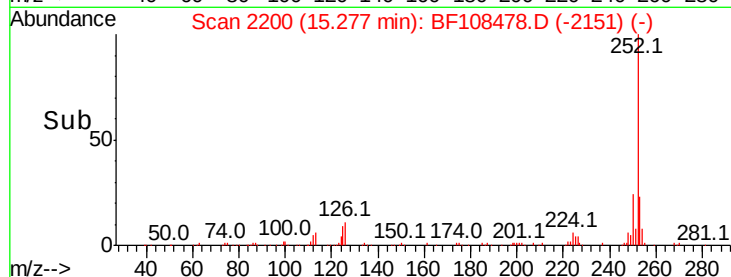
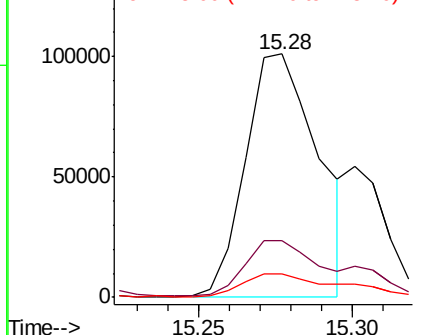
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	9.9	9.0	13.6

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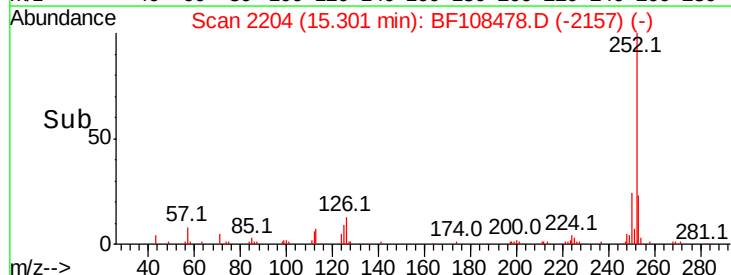
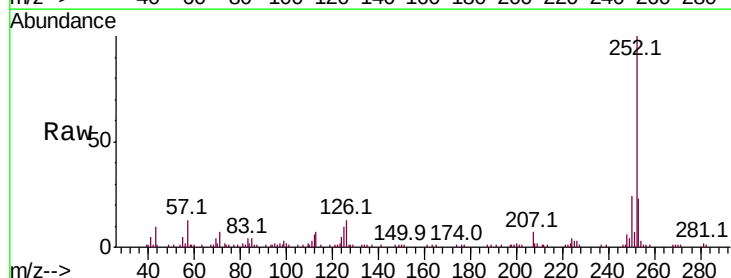
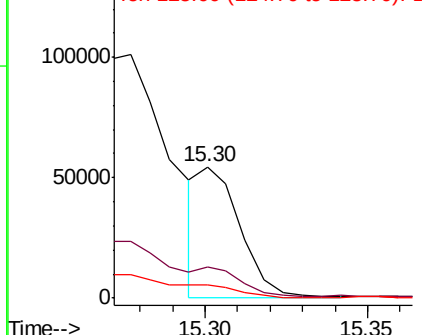
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

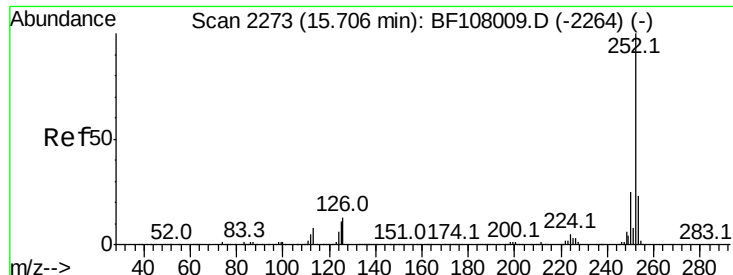


#88
Benzo(k)fluoranthene
Concen: 3.216 ng m
RT: 15.30 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF108478.D
Acq: 24 Aug 2018 22:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	10.2	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





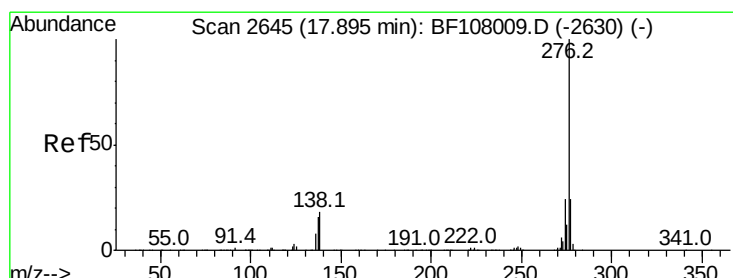
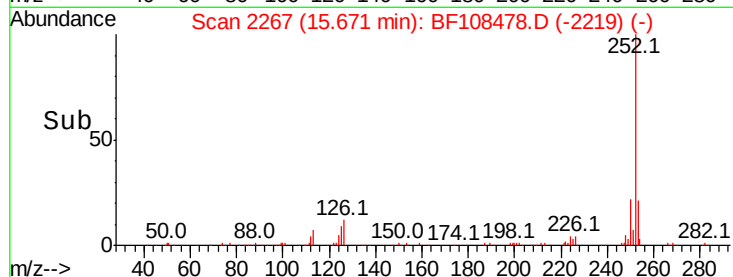
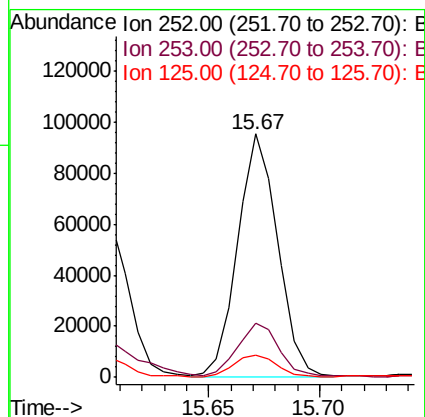
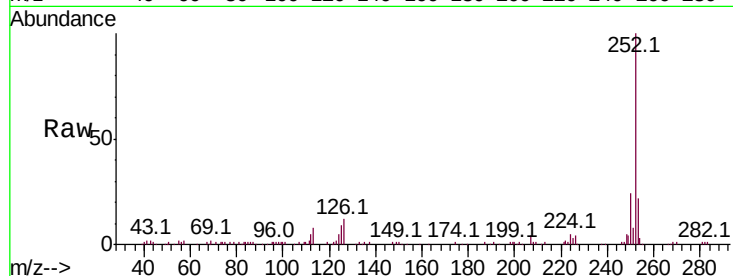
#89
Benzo(a)pyrene
Concen: 8.080 ng/mL
RT: 15.67 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF108478.D
Acq: 24 Aug 2018 22:02

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-C4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	9.4	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.796 ng/mL
RT: 17.84 min Scan# 2635
Delta R.T. -0.03 min
Lab File: BF108478.D
Acq: 24 Aug 2018 22:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.9	26.9
138	20.0	21.8	32.8

