

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108768.D
 Acq On : 5 Sep 2018 6:02
 Operator : JU/SJ
 Sample : J4741-14 10X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AOC10-01-B

Manual Integrations
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 9/5/2018 12:48:10 PM

Quant Time: Sep 05 08:36:08 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	50998	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	244901	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	132935	20.00	ng	-0.02
63) Phenanthrene-d10	11.53	188	272909	20.00	ng	-0.02
75) Chrysene-d12	14.18	240	185266	20.00	ng	-0.02
86) Perylene-d12	15.74	264	141356	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	108	0.04	ng	0.07
7) Phenol-d6	6.74	99	29848m	7.10	ng	0.09
23) Nitrobenzene-d5	7.66	82	19874m	4.12	ng	0.09
41) 2,4,6-Tribromophenol	10.83	330	8532	4.86	ng	-0.02
44) 2-Fluorobiphenyl	9.35	172	48856	4.94	ng	-0.01
78) Terphenyl-d14	13.11	244	61470	6.45	ng	-0.02
Target Compounds						
70) Phenanthrene	11.55	178	46115	3.348	ng	98
74) Fluoranthene	12.75	202	70835	4.568	ng	93
77) Pyrene	12.98	202	57685m	4.142	ng	
80) Benzo(a)anthracene	14.18	228	28392	2.514	ng	# 91
82) Chrysene	14.21	228	22812	2.100	ng	# 95
87) Benzo(b)fluoranthene	15.28	252	21192m	2.441	ng	
89) Benzo(a)pyrene	15.68	252	22085	2.814	ng	# 80

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

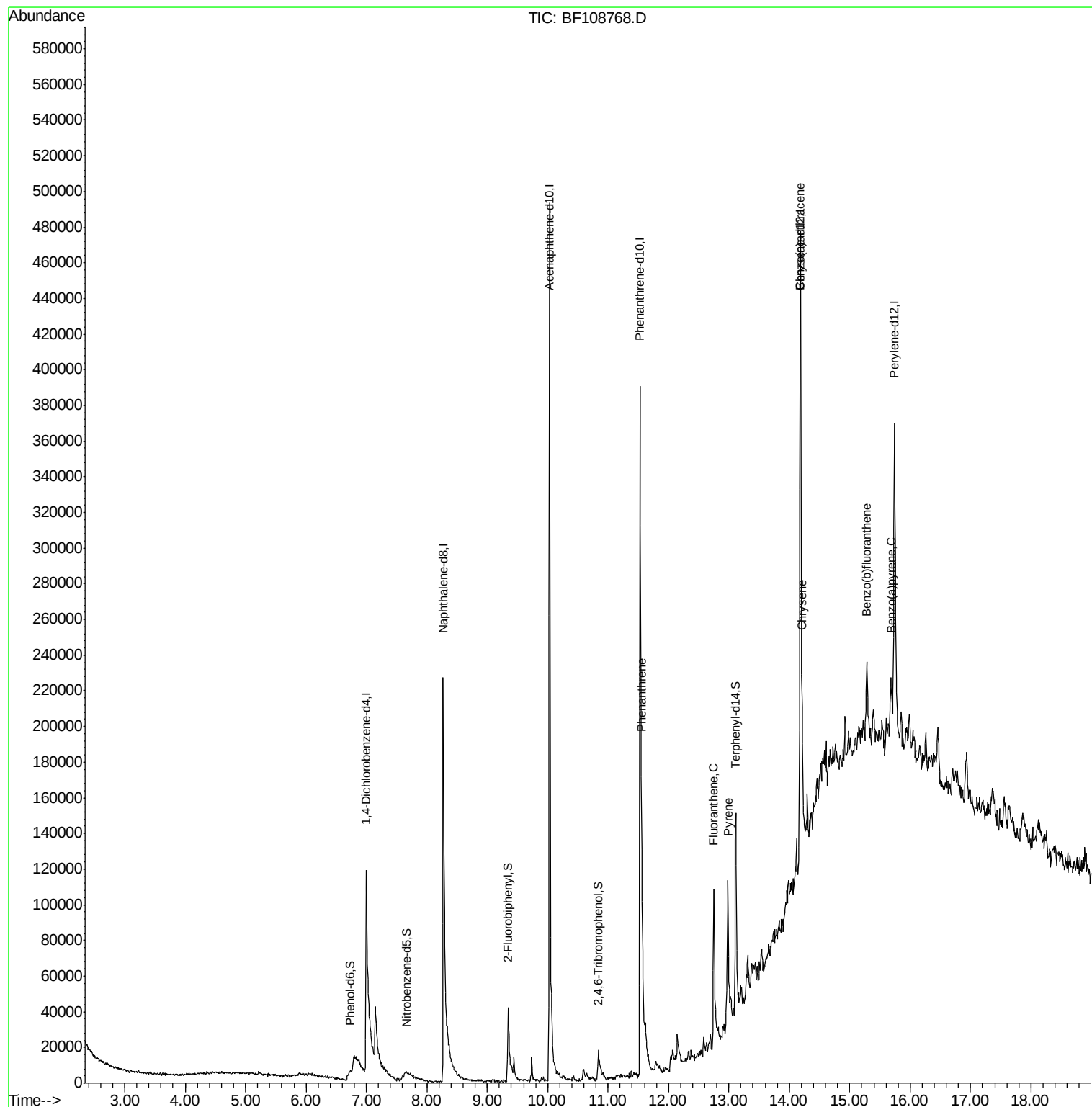
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
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ALS Vial : 34 Sample Multiplier: 1

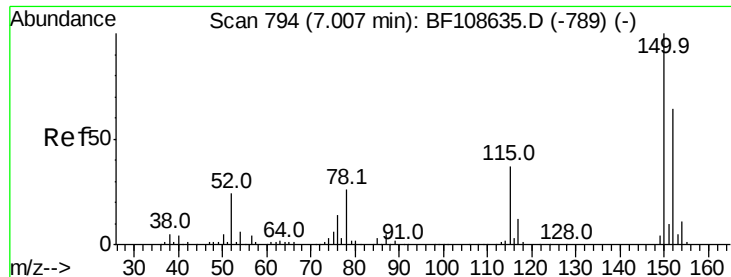
Instrument :
BNA_F
ClientSampleId :
AOC10-01-B

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#1

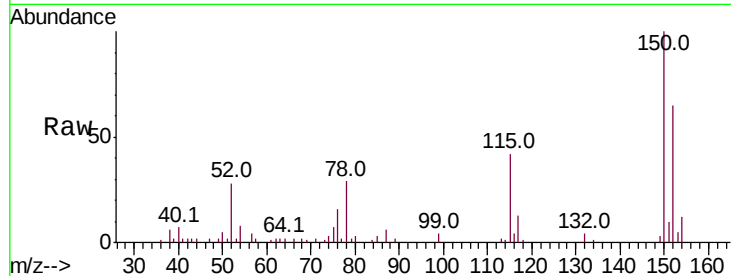
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108768.D
Acq: 5 Sep 2018 6:02

Instrument :
BNA_F
ClientSampleId :
AOC10-01-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	124.6	186.8
115	63.8	50.1	75.1

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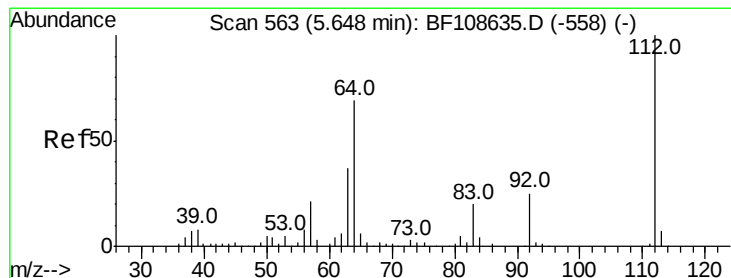
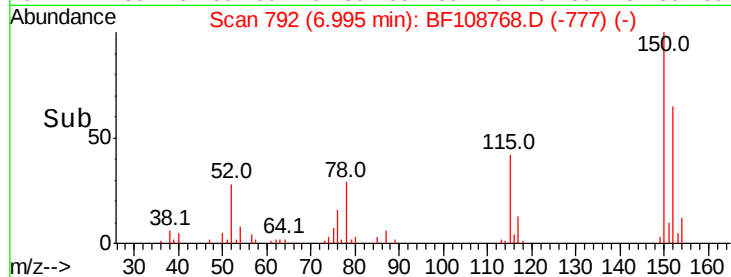
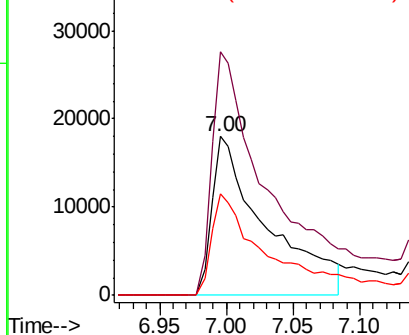


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

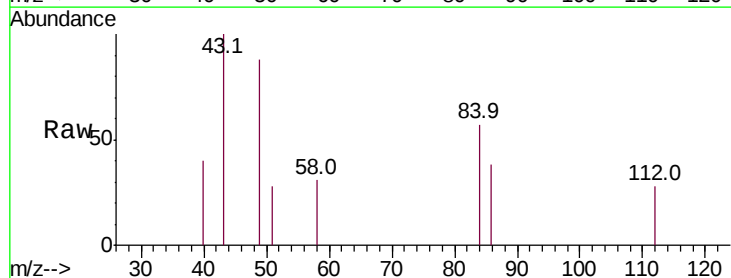
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 0.037 ng
RT: 5.72 min Scan# 575
Delta R.T. 0.07 min
Lab File: BF108768.D
Acq: 5 Sep 2018 6:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	47.9	71.9#
63	0.0	23.7	35.5#

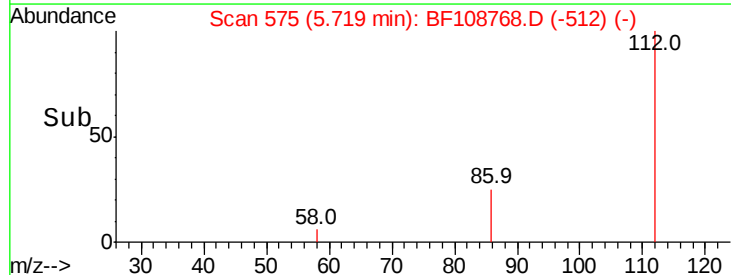
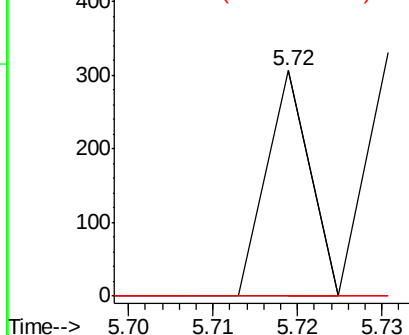


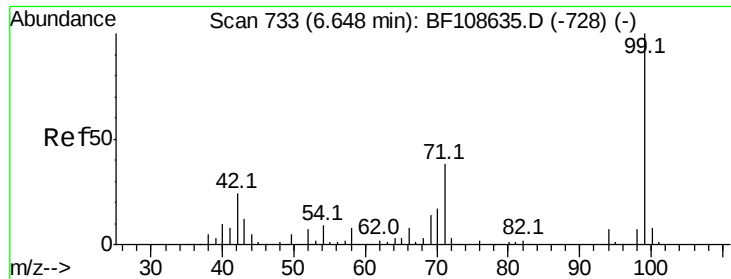
Abundance

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

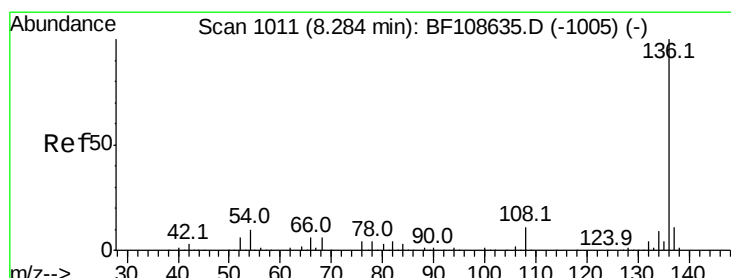
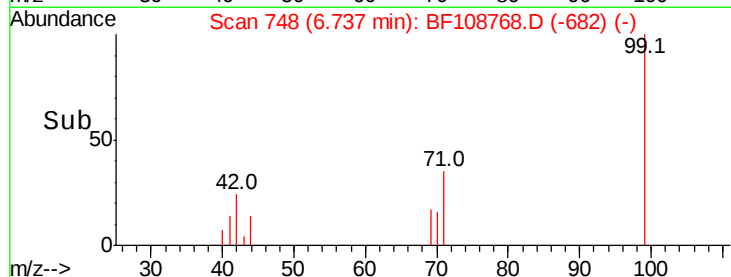
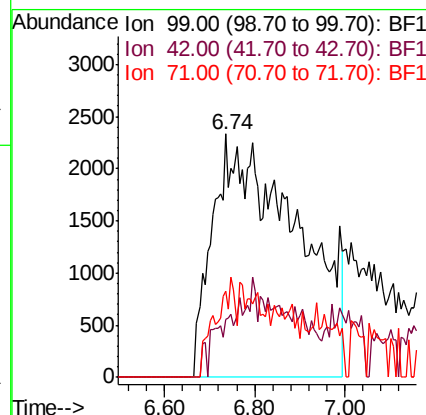
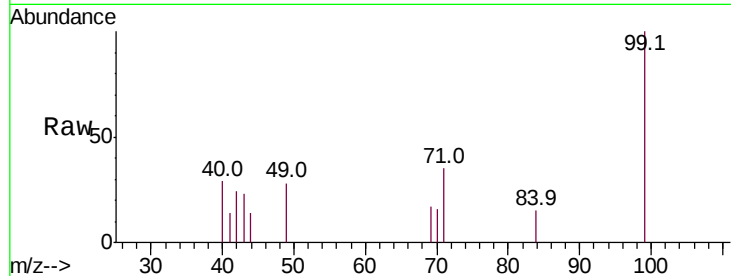
Concen: 7.099 ng/ml
 RT: 6.74 min Scan# 748
 Delta R.T. 0.09 min
 Lab File: BF108768.D
 Acq: 5 Sep 2018 6:02

Instrument :
 BNA_F
 ClientSampleID :
 AOC10-01-B

Tot Ion	Ratio	Lower	Upper
99	100		
42	23.7	14.5	21.7#
71	35.2	25.4	38.0

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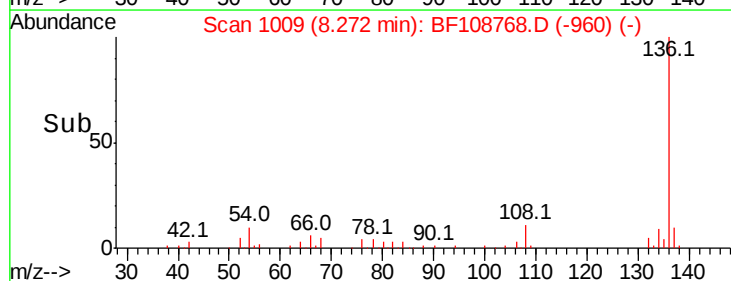
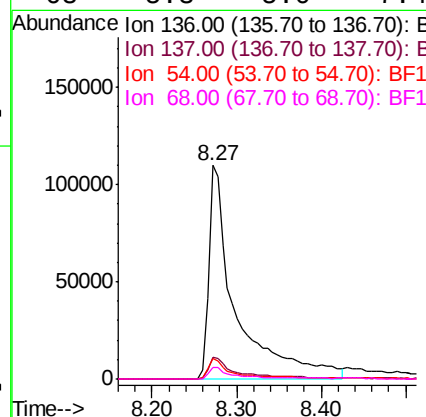
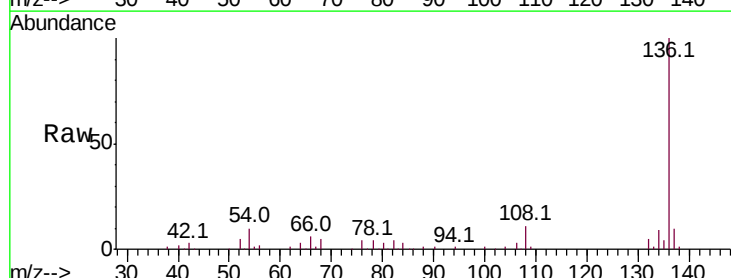


#21

Naphthalene-d8

Concen: 20.000 ng
 RT: 8.27 min Scan# 1009
 Delta R.T. -0.01 min
 Lab File: BF108768.D
 Acq: 5 Sep 2018 6:02

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	9.6	6.6	9.8
68	5.3	5.0	7.4





#23

Nitrobenzene-d5

Concen: 4.119 ng/ml

RT: 7.66 min Scan# 905

Delta R.T. 0.09 min

Lab File: BF108768.D

Acq: 5 Sep 2018 6:02

Instrument :

BNA_F

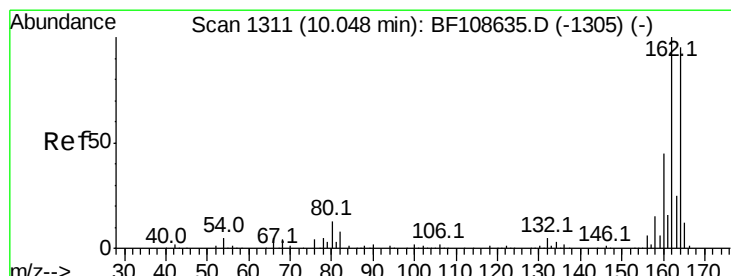
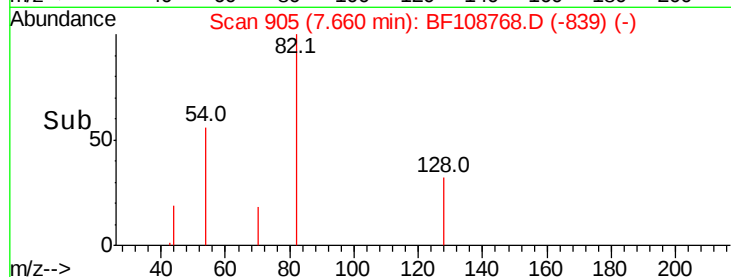
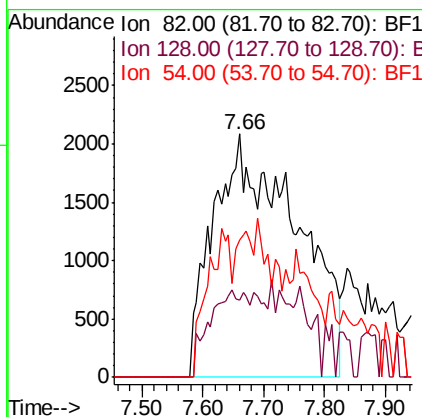
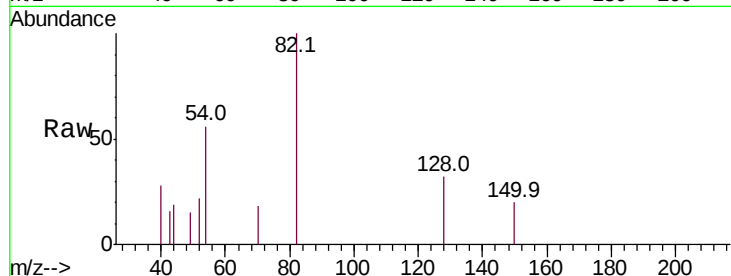
ClientSampled :

AOC10-01-B

Tot Ion:	82	Resp:	19874
Ion Ratio	Lower	Upper	
82	100		
128	31.9	36.1	54.1#
54	56.3	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

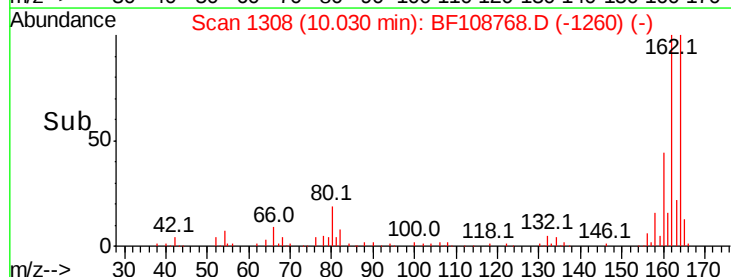
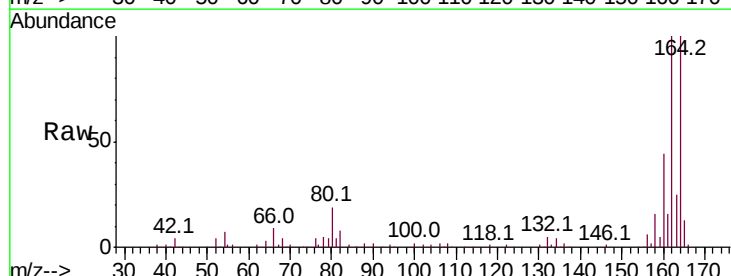
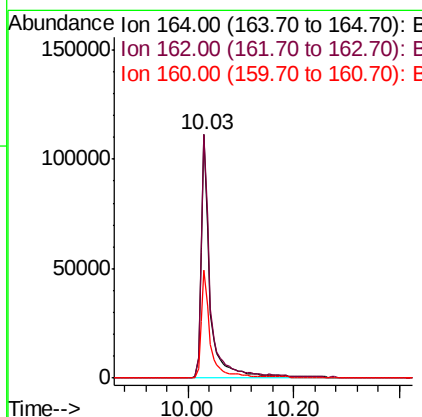
RT: 10.03 min Scan# 1308

Delta R.T. -0.02 min

Lab File: BF108768.D

Acq: 5 Sep 2018 6:02

Tgt Ion:	164	Resp:	132935
Ion Ratio	Lower	Upper	
164	100		
162	99.9	86.1	129.1
160	44.4	38.3	57.5





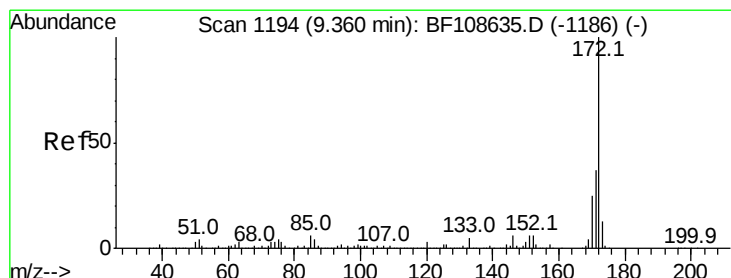
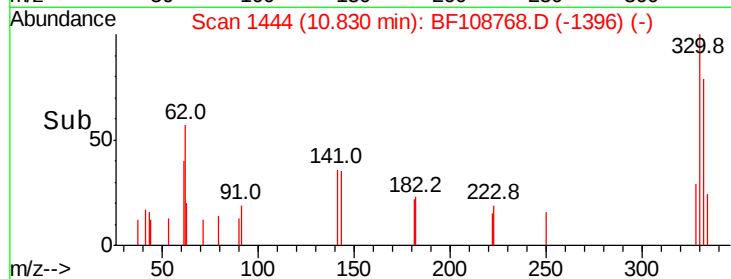
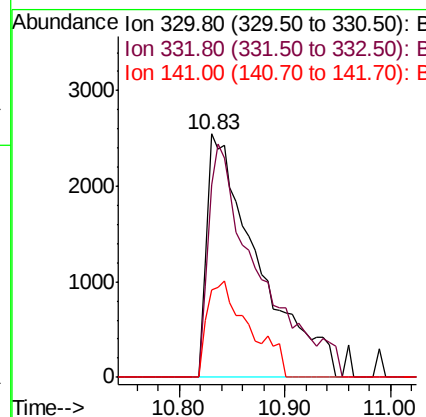
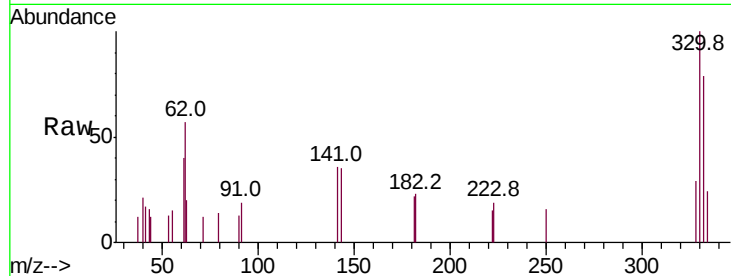
#41
 2,4,6-Tribromophenol
 Concen: 4.862 ng
 RT: 10.83 min Scan# 1444
 Delta R.T. -0.02 min
 Lab File: BF108768.D
 Acq: 5 Sep 2018 6:02

Instrument :
 BNA_F
 ClientSampleId :
 AOC10-01-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	89.3	77.0	115.6
141	28.2	29.9	44.9#

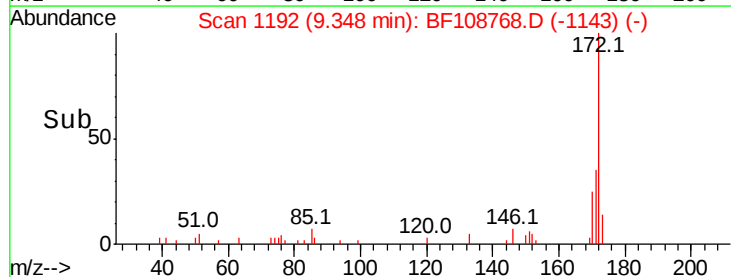
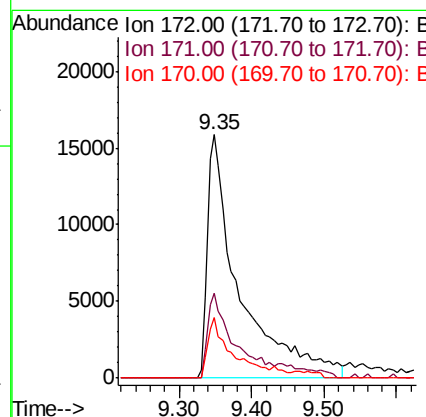
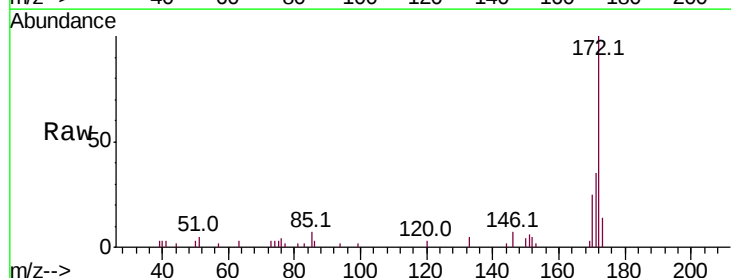
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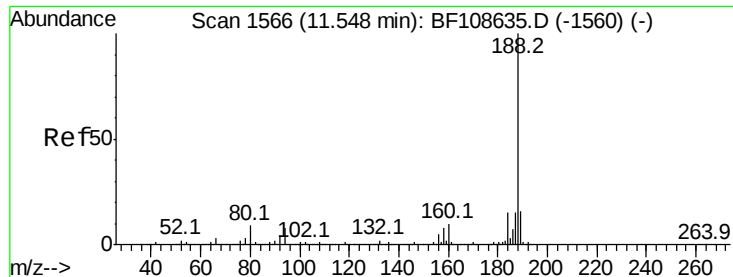
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#44
 2-Fluorobiphenyl
 Concen: 4.942 ng
 RT: 9.35 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF108768.D
 Acq: 5 Sep 2018 6:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	25.1	19.6	29.4





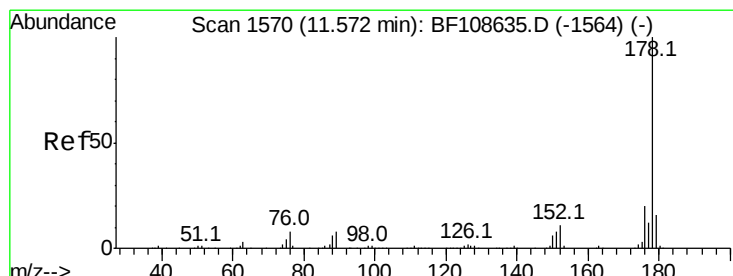
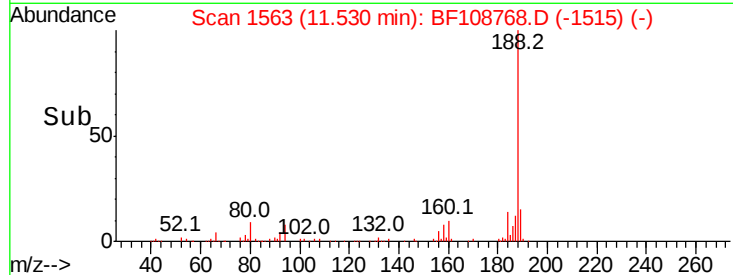
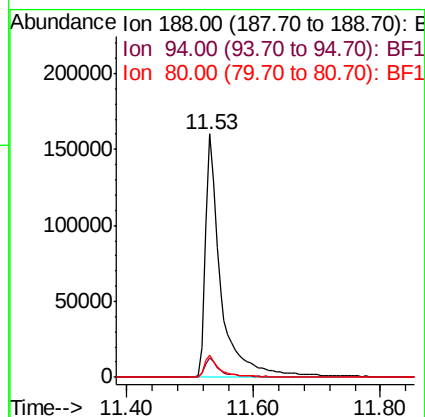
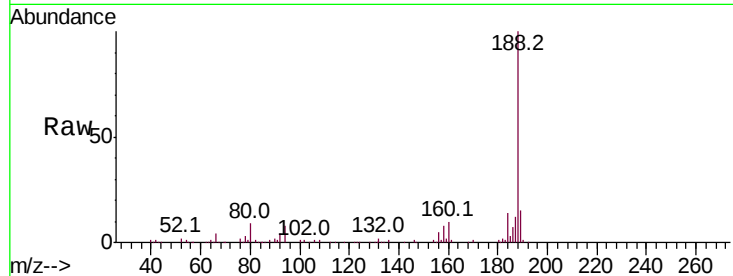
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF108768.D
Acq: 5 Sep 2018 6:02

Instrument :
BNA_F
ClientSampleId :
AOC10-01-B

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.9	8.5	12.7#
80	9.3	9.2	13.8

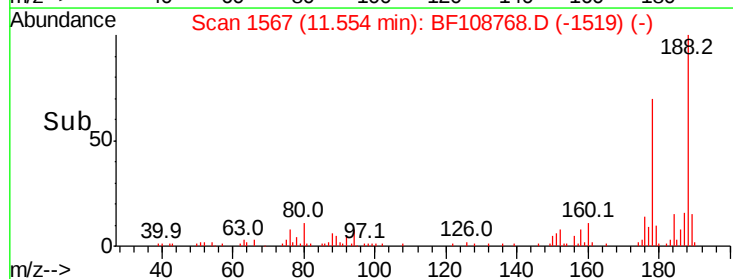
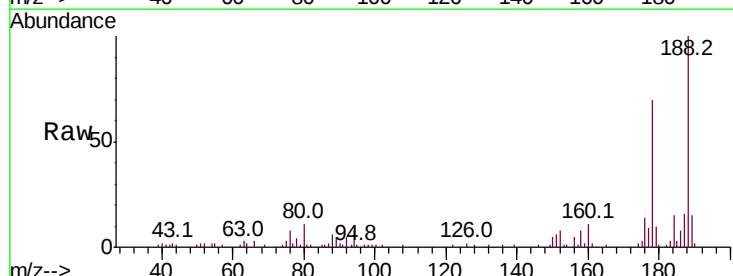
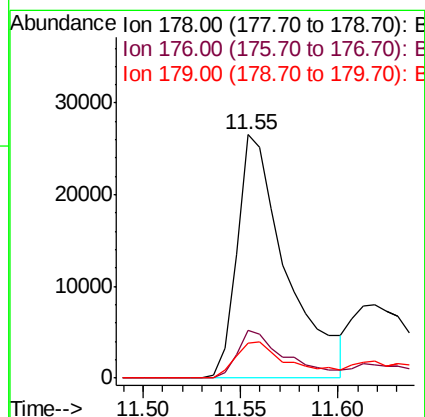
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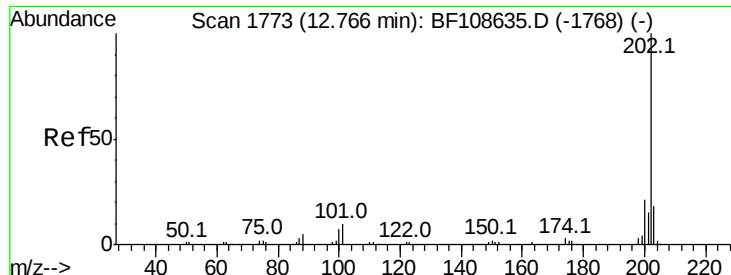
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#70
Phenanthrene
Concen: 3.348 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF108768.D
Acq: 5 Sep 2018 6:02

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.5	15.8	23.8
179	14.3	13.0	19.6





#74

Fluoranthene

Concen: 4.568 ng

RT: 12.75 min Scan# 1770

Delta R.T. -0.02 min

Lab File: BF108768.D

Acq: 5 Sep 2018 6:02

Instrument :

BNA_F

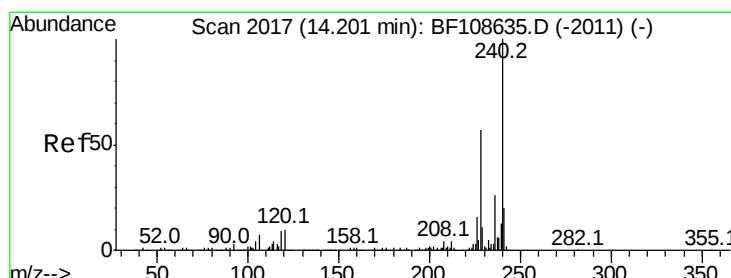
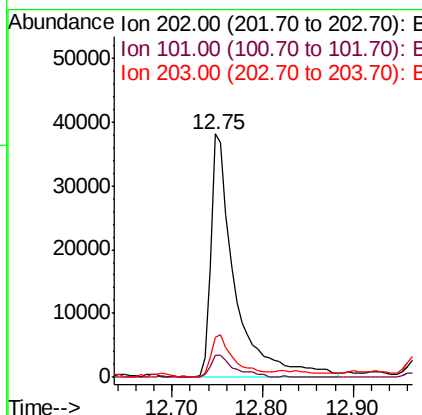
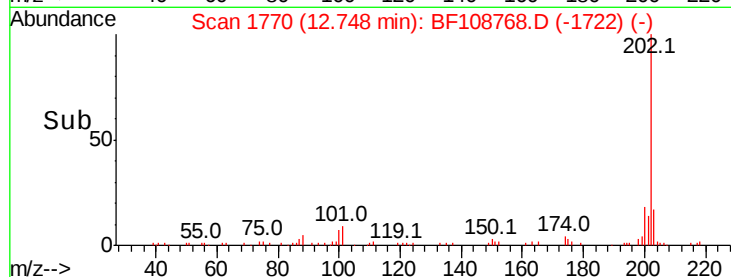
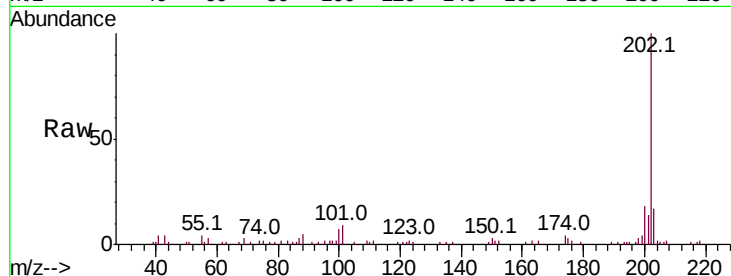
ClientSampleId :

AOC10-01-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.2	0.0	34.1
203	16.6	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

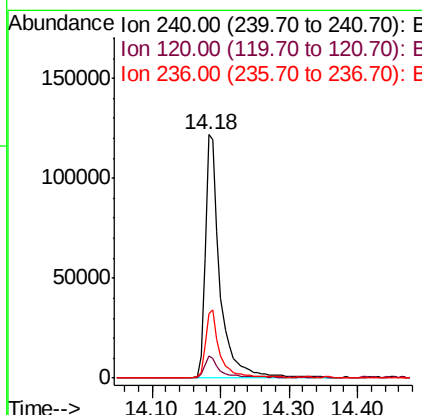
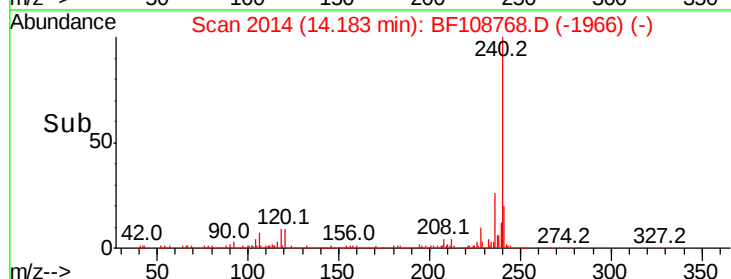
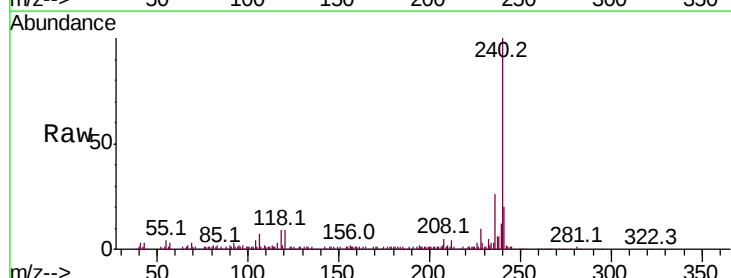
RT: 14.18 min Scan# 2014

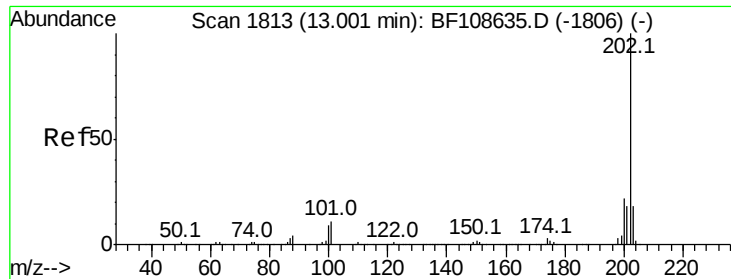
Delta R.T. -0.02 min

Lab File: BF108768.D

Acq: 5 Sep 2018 6:02

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.1	9.5	14.3#
236	26.2	20.7	31.1





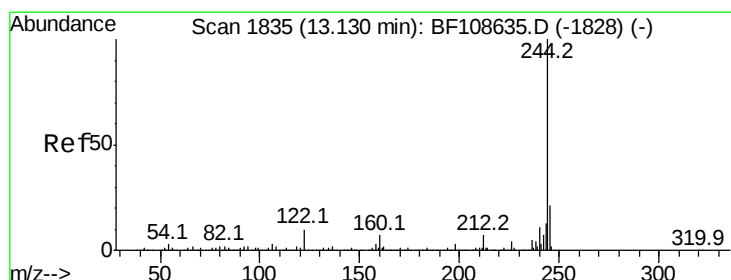
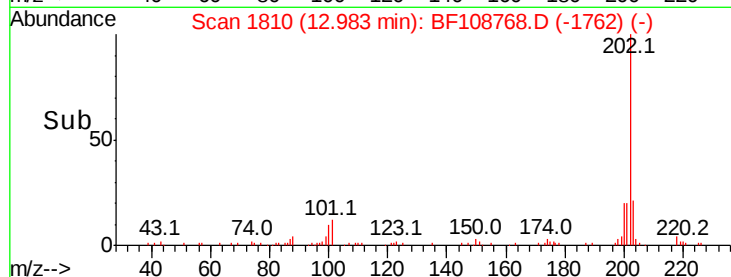
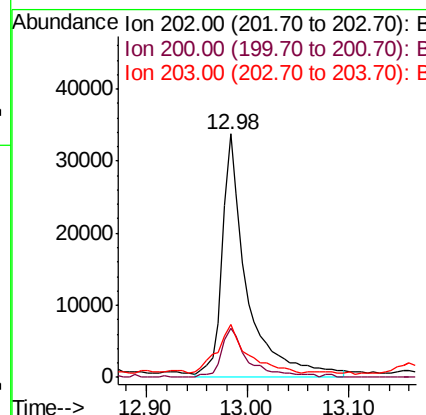
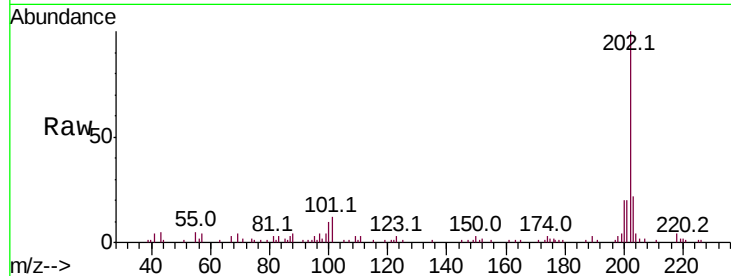
#77
Pvrene
Concen: 4.142 ng/ml
RT: 12.98 min Scan# 1810
Delta R.T. -0.02 min
Lab File: BF108768.D
Acq: 5 Sep 2018 6:02

Instrument :
BNA_F
ClientSampleId :
AOC10-01-B

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.4	26.2
203	21.7	14.3	21.5#

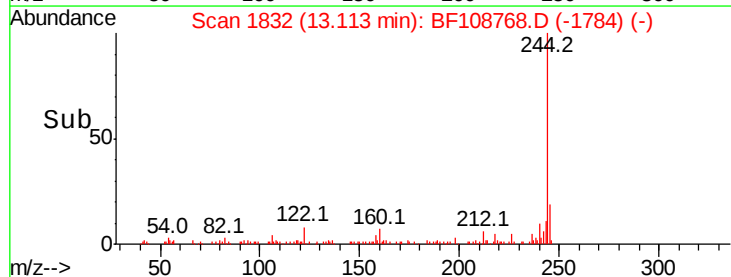
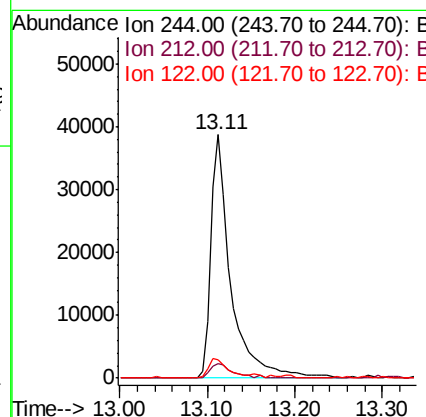
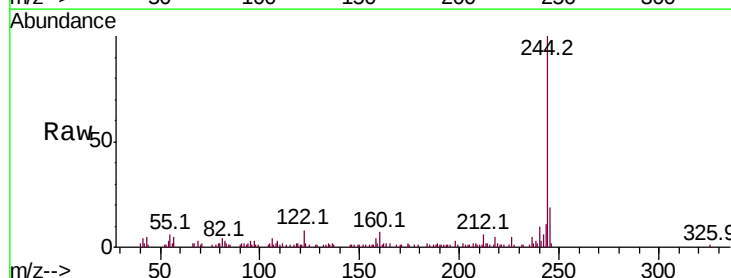
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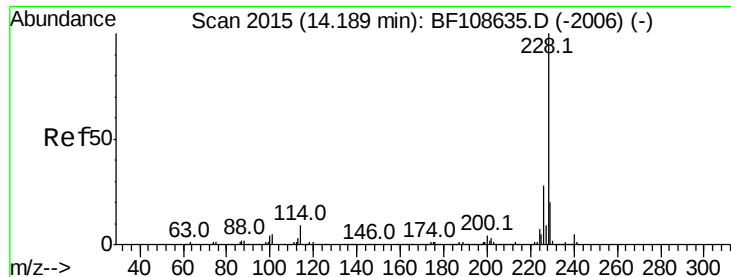
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#78
Terphenyl-d14
Concen: 6.447 ng
RT: 13.11 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BF108768.D
Acq: 5 Sep 2018 6:02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.4	8.0
122	7.6	11.0	16.4#





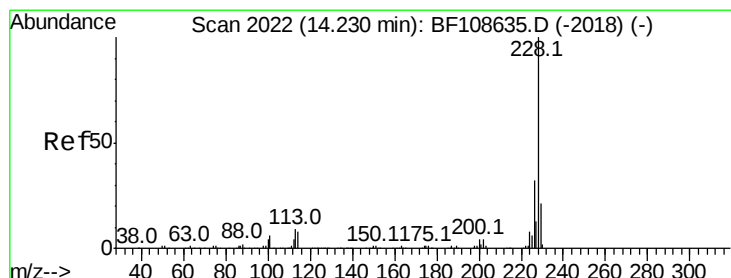
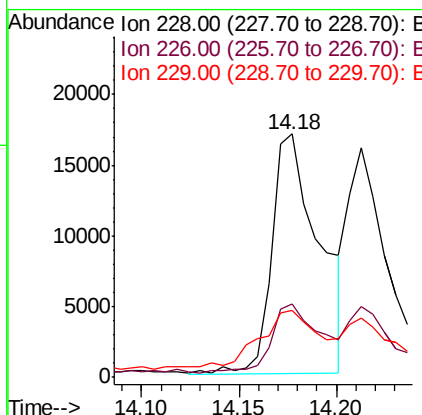
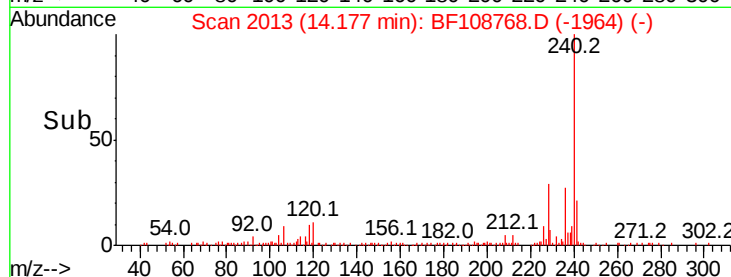
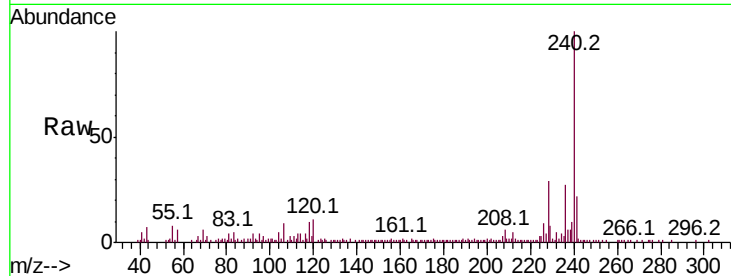
#80
Benzo(a)anthracene
Concen: 2.514 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF108768.D
Acq: 5 Sep 2018 6:02

Instrument :
BNA_F
ClientSampleId :
AOC10-01-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.6	33.8
229	27.3	15.8	23.6

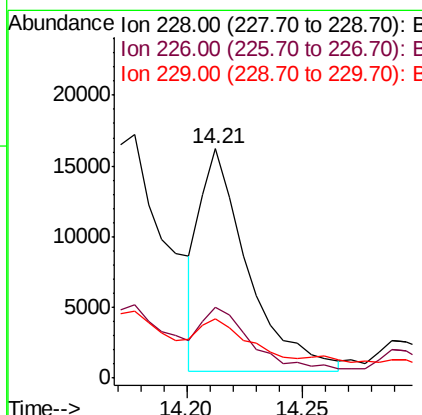
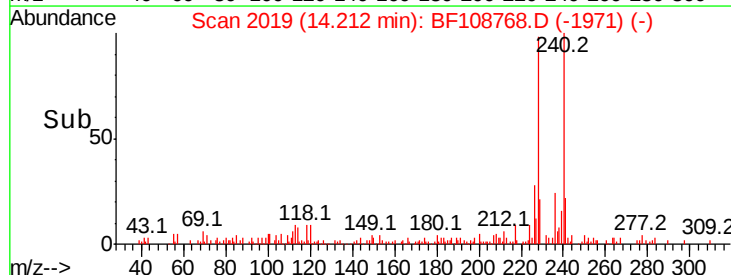
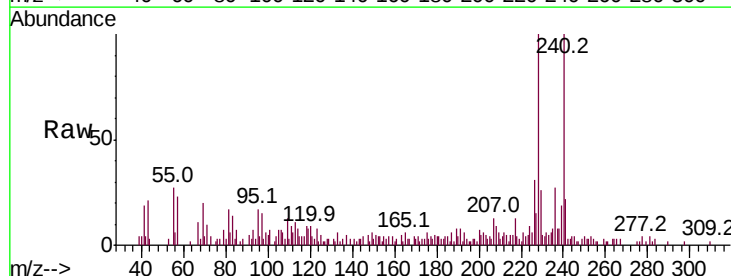
Manual Integrations
APPROVED

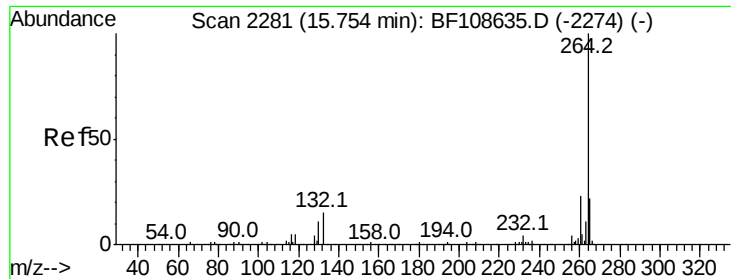
Sohil
9/5/2018 12:48:10 PM



#82
Chrysene
Concen: 2.100 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF108768.D
Acq: 5 Sep 2018 6:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	26.0	16.2	24.4





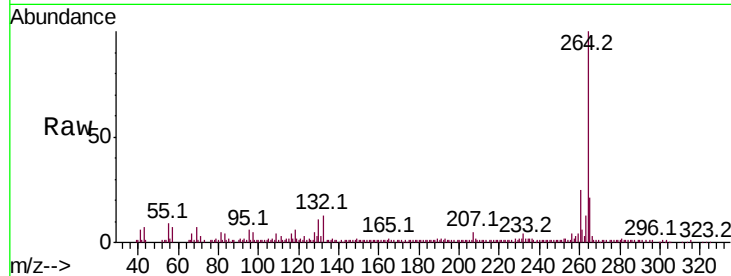
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.74 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF108768.D
Acq: 5 Sep 2018 6:02

Instrument :
BNA_F
ClientSampleId :
AOC10-01-B

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.7	19.2	28.8	
265	21.4	17.5	26.3	

Manual Integrations
APPROVED

Sohil
9/5/2018 12:48:10 PM

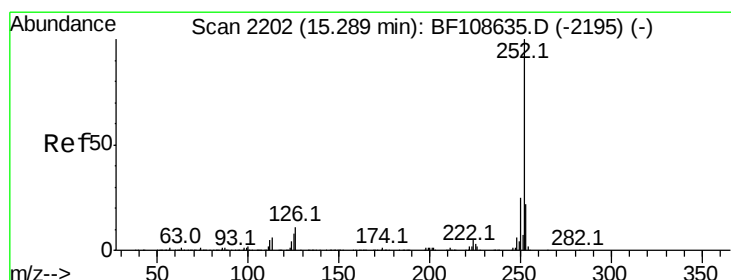
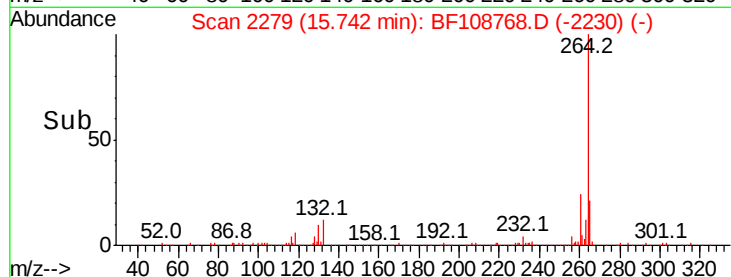
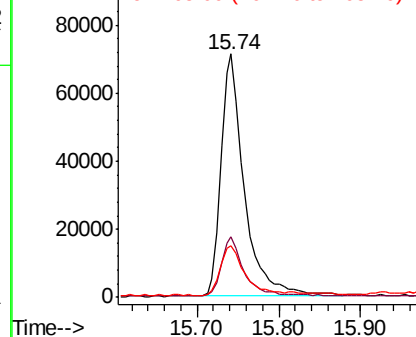


Abundance

Ion 264.00 (263.70 to 264.70): E

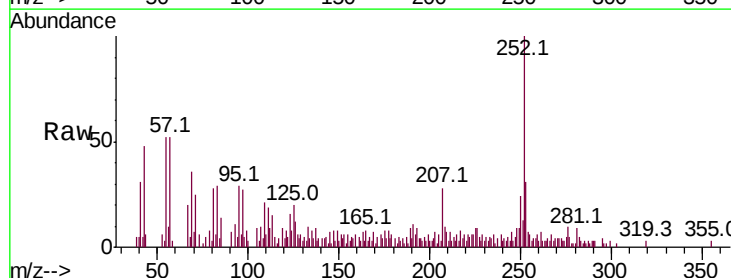
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 2.441 ng m
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108768.D
Acq: 5 Sep 2018 6:02

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	30.7	17.0	25.6#	
125	20.2	9.0	13.6#	

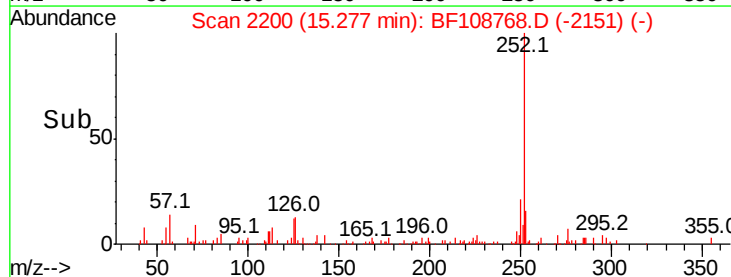
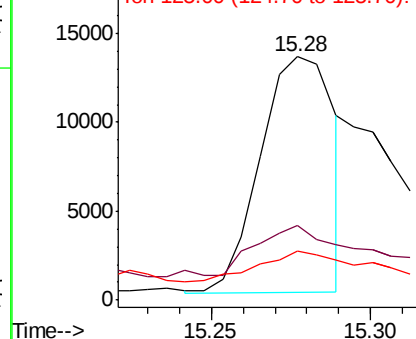


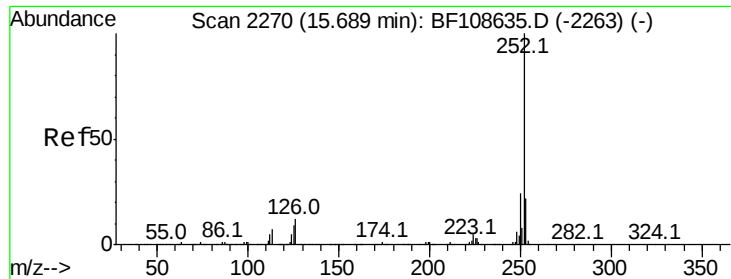
Abundance

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: 2.814 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF108768.D

Acq: 5 Sep 2018 6:02

Instrument :

BNA_F

ClientSampleId :

AOC10-01-B

Tot Ion:	252	Resp:	22085
Ion Ratio	Lower	Upper	
252	100		
253	28.3	17.1	25.7#
125	24.0	9.8	14.6#

Manual Integrations
APPROVED

Sohil
9/5/2018 12:48:10 PM

