

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
 Data File : BF108491.D
 Acq On : 25 Aug 2018 4:56
 Operator : JU/SJ
 Sample : J4608-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CLIFFWOOD-EMBANKMENT-FILL

Manual Integrations
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 8/27/2018 12:56:25 PM

Quant Time: Aug 25 05:58:20 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	132704	20.00	ng	-0.01
21) Naphthalene-d8	8.28	136	496389	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	233032	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	400251	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	288068	20.00	ng	-0.01
86) Perylene-d12	15.74	264	281331	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	686116	93.61	ng	0.00
7) Phenol-d6	6.62	99	914472	93.88	ng	0.00
23) Nitrobenzene-d5	7.56	82	605420	68.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	196965	84.74	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	1043241	71.87	ng	-0.01
78) Terphenyl-d14	13.12	244	840349	74.17	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.74	163	92702	5.711	ng	Qvalue # 98
70) Phenanthrene	11.56	178	113648	6.020	ng	99
74) Fluoranthene	12.75	202	180241	8.748	ng	95
77) Pyrene	12.99	202	155314	8.516	ng	99
80) Benzo(a)anthracene	14.18	228	90417	5.469	ng	98
82) Chrysene	14.21	228	86503	5.707	ng	98
85) Indeno(1,2,3-cd)pyrene	17.35	276	60429	4.601	ng	# 88
87) Benzo(b)fluoranthene	15.28	252	146679m	8.725	ng	
88) Benzo(k)fluoranthene	15.30	252	44303m	2.867	ng	
89) Benzo(a)pyrene	15.67	252	104490	6.941	ng	97
91) Benzo(g,h,i)perylene	17.84	276	58293	4.753	ng	# 86

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

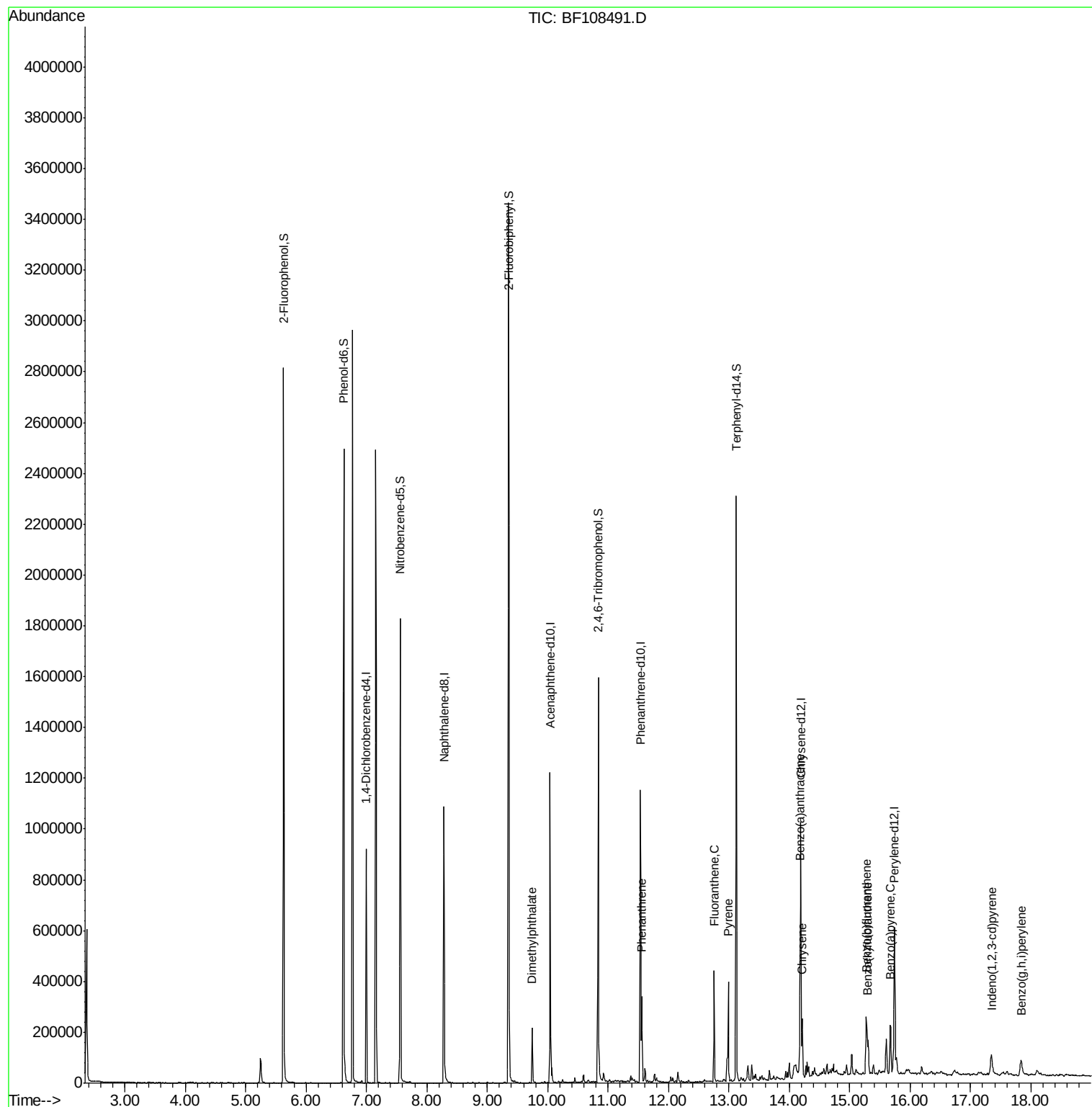
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
Data File : BF108491.D
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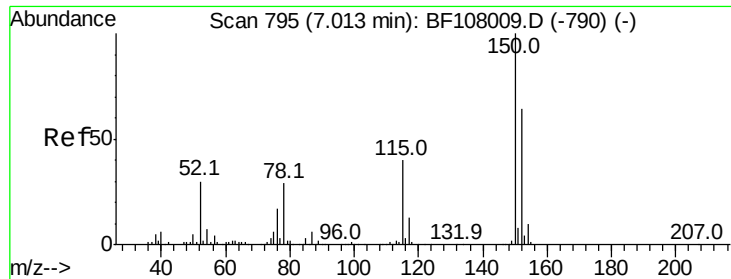
Instrument :
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CLIFFWOOD-EMBANKMENT-FILL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

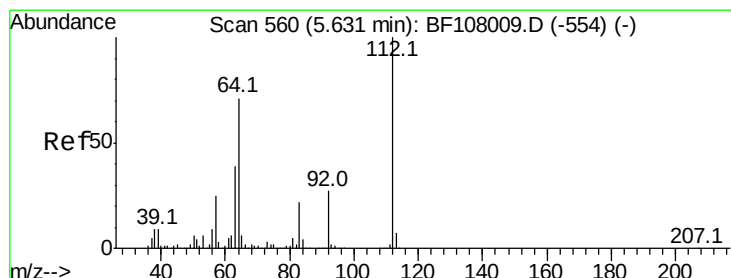
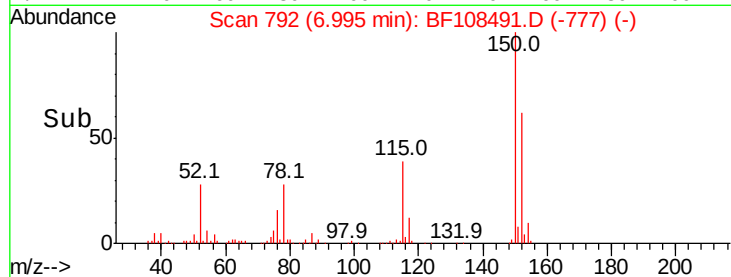
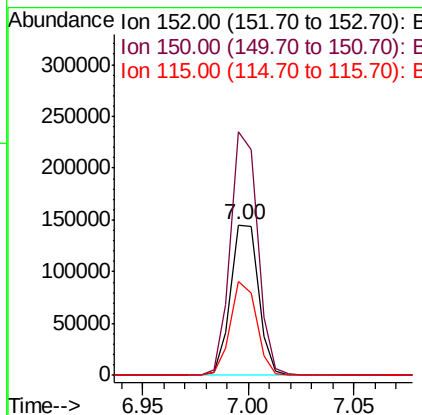
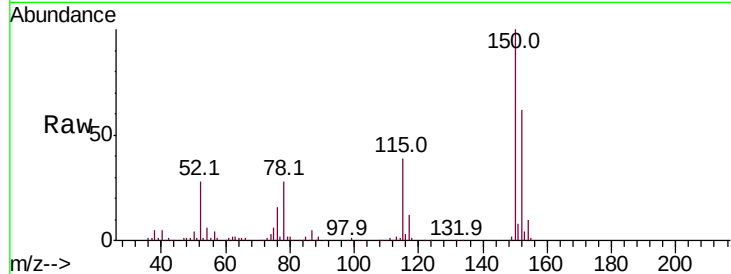
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108491.D
Acq: 25 Aug 2018 4:56

Instrument :
BNA_F
ClientSampleId :
CLIFFWOOD-EMBANKMENT-FILL

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.0	124.6	186.8
115	62.4	50.1	75.1

Manual Integrations
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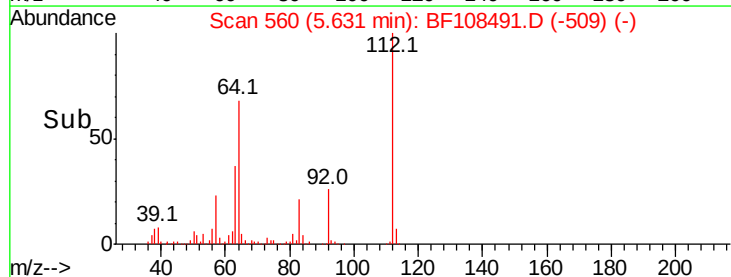
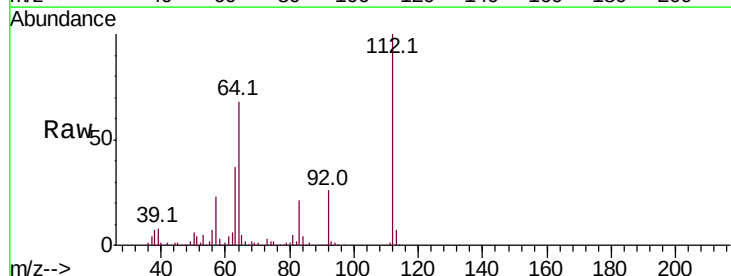
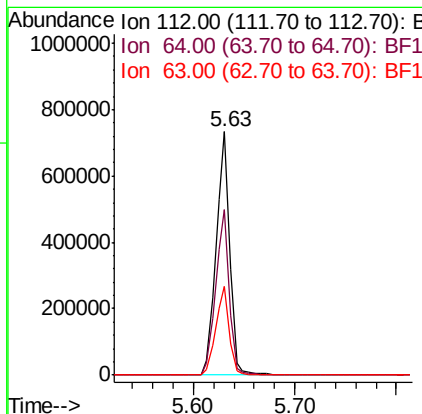
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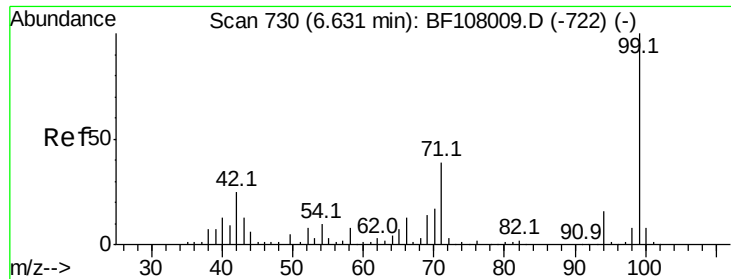


#5

2-Fluorophenol
Concen: 93.605 ng
RT: 5.63 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF108491.D
Acq: 25 Aug 2018 4:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.0	47.9	71.9
63	36.6	23.7	35.5#





#7

Phenol-d6

Concen: 93.884 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108491.D

Acq: 25 Aug 2018 4:56

Instrument :

BNA_F

ClientSampleId :

CLIFFWOOD-EMBANKMENT-FILL

Tot Ion: 99 Resp: 914472

Ion Ratio Lower Upper

99 100

42 21.0 14.5 21.7

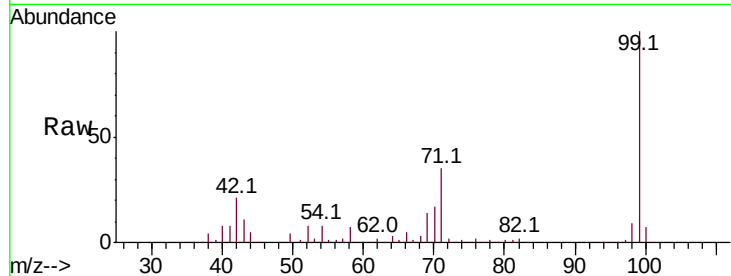
71 35.4 25.4 38.0

Manual Integrations

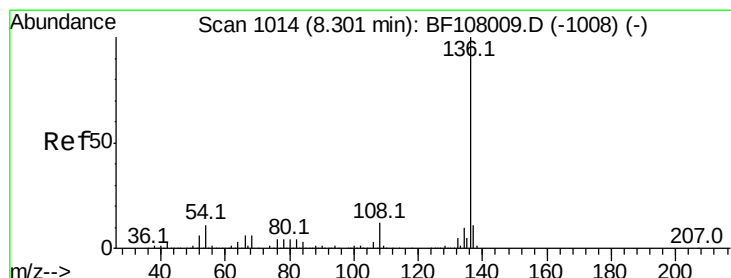
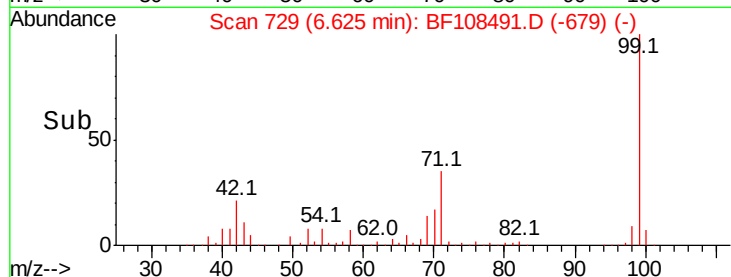
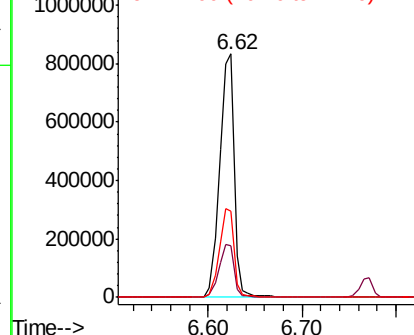
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108491.D

Acq: 25 Aug 2018 4:56

Tgt Ion: 136 Resp: 496389

Ion Ratio Lower Upper

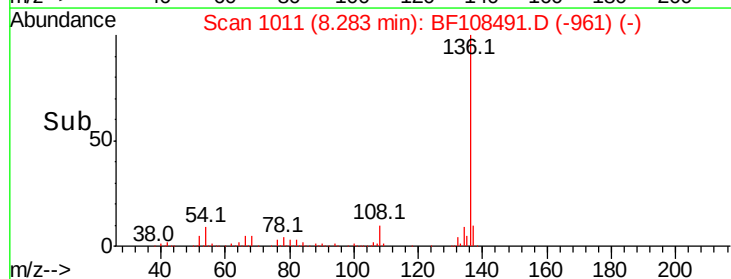
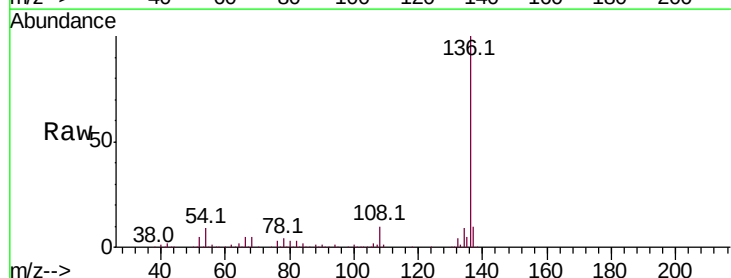
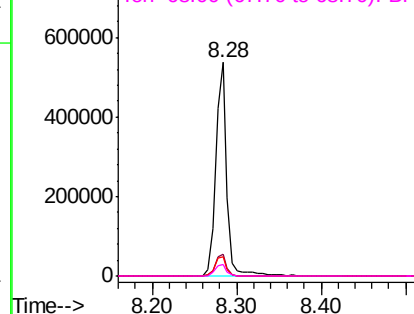
136 100

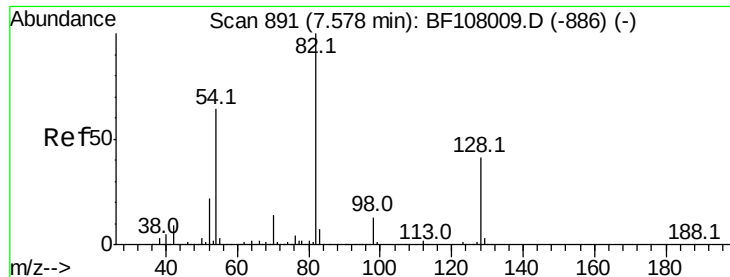
137 10.5 8.9 13.3

54 8.9 6.6 9.8

68 5.2 5.0 7.4

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





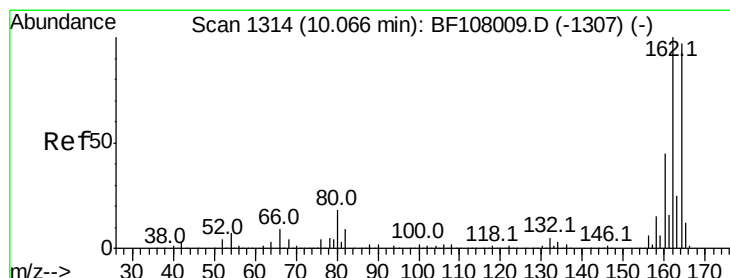
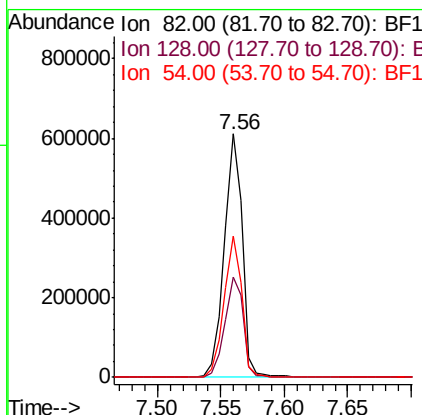
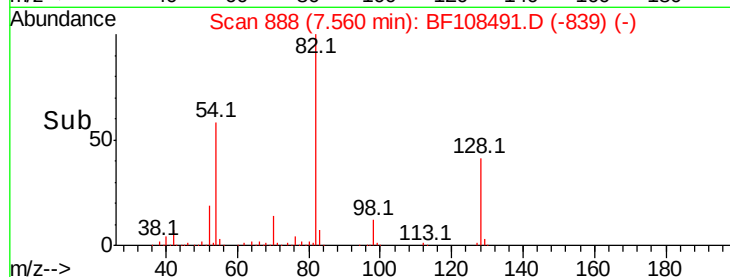
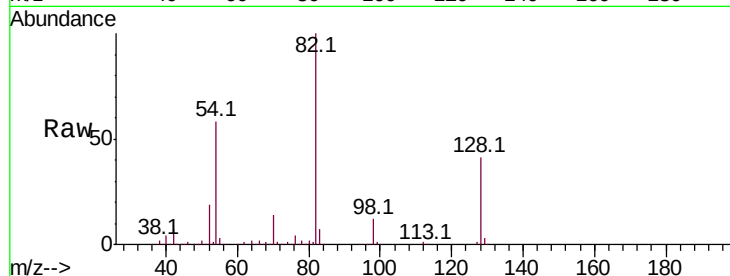
#23
 Nitrobenzene-d5
 Concen: 68.058 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF108491.D
 Acq: 25 Aug 2018 4:56

Instrument :
 BNA_F
 ClientSampleId :
 CLIFFWOOD-EMBANKMENT-FILL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	605420		
128	40.9	36.1	54.1	
54	58.0	41.4	62.2	

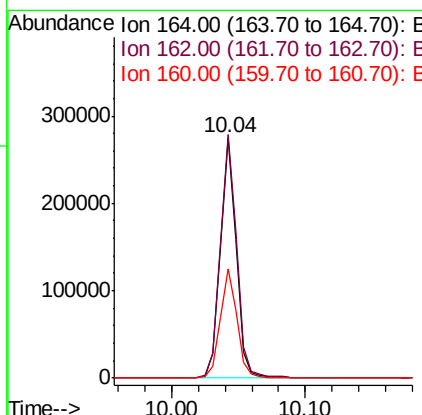
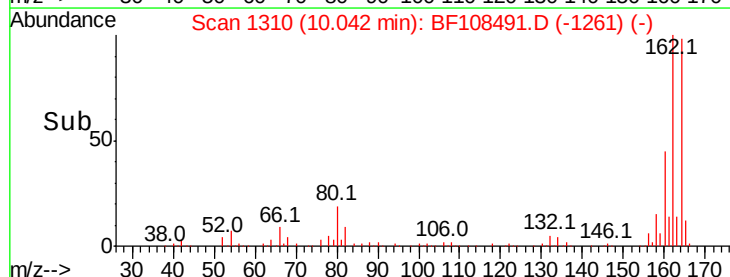
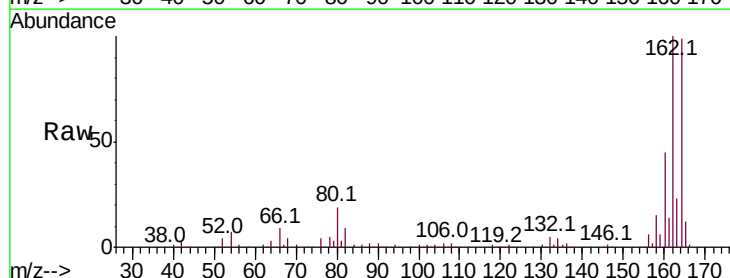
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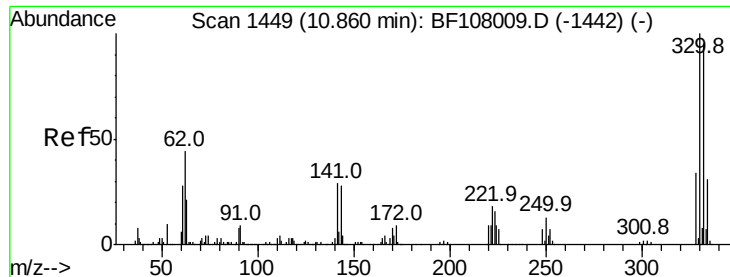
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108491.D
 Acq: 25 Aug 2018 4:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	233032		
162	101.4	86.1	129.1	
160	45.7	38.3	57.5	





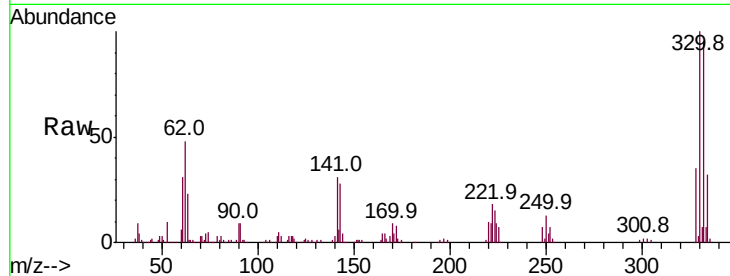
#41
 2,4,6-Tribromophenol
 Concen: 84.737 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108491.D
 Acq: 25 Aug 2018 4:56

Instrument :
 BNA_F
 ClientSampleId :
 CLIFFWOOD-EMBANKMENT-FILL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	196965		
332	95.1	77.0	115.6	
141	32.9	29.9	44.9	

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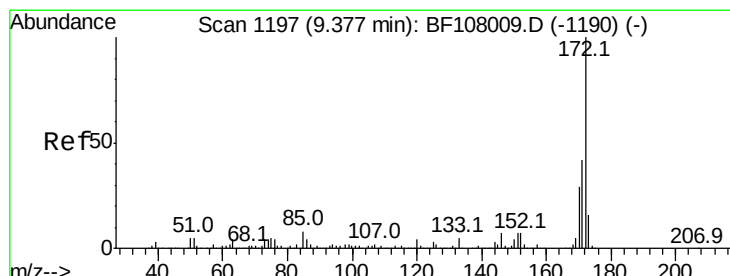
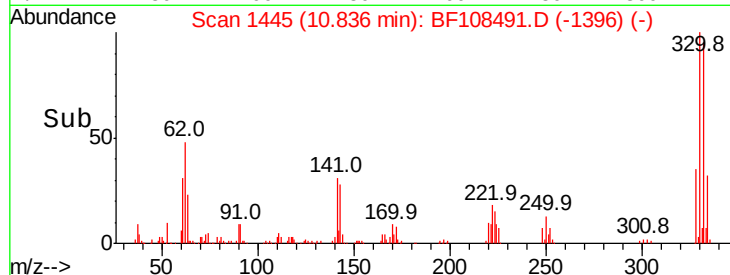
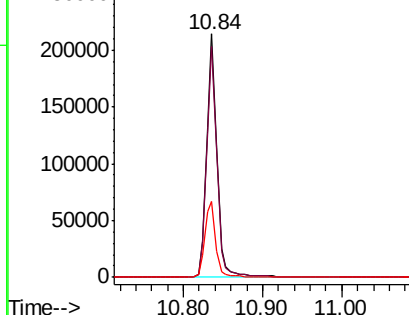


Abundance

Ion 329.80 (329.50 to 330.50): E

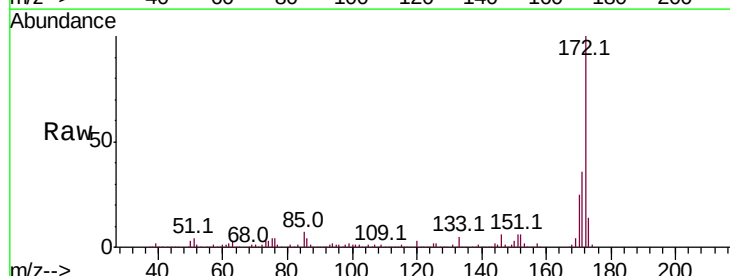
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 71.874 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108491.D
 Acq: 25 Aug 2018 4:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1043241		
171	36.1	29.7	44.5	
170	24.6	19.6	29.4	

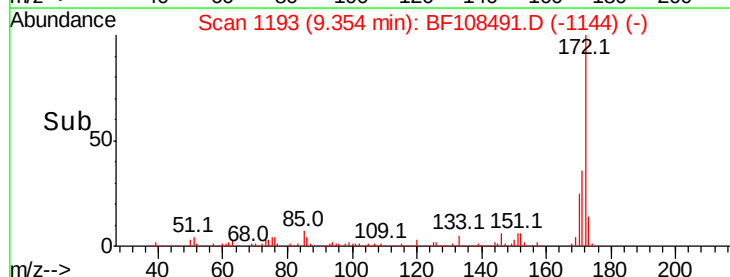
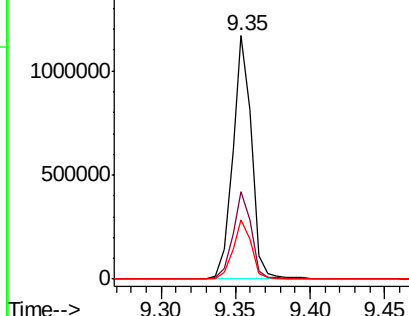


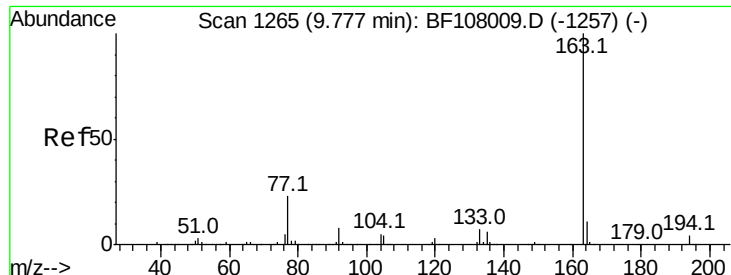
Abundance

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





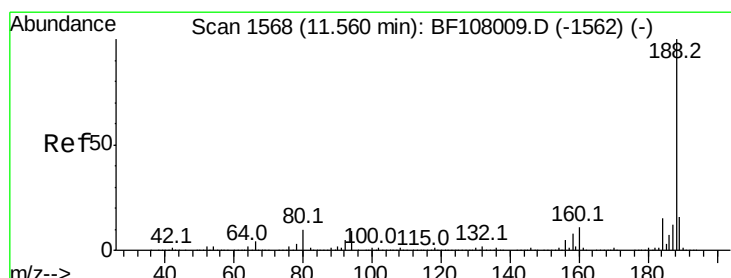
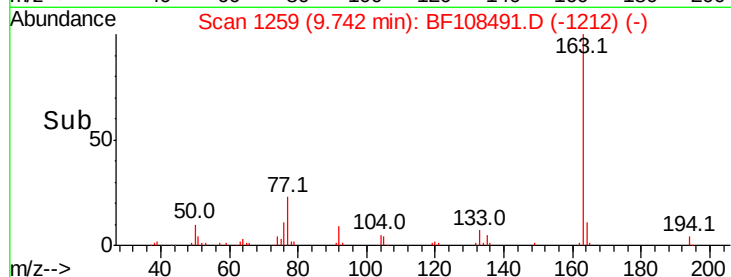
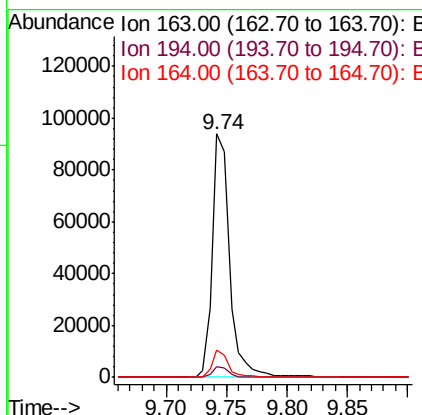
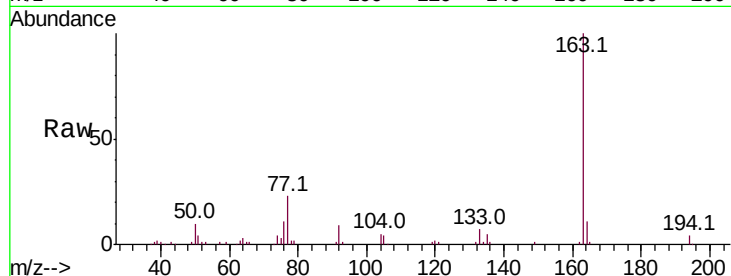
#49
 Dimethylphthalate
 Concen: 5.711 ng
 RT: 9.74 min Scan# 1259
 Delta R.T. -0.02 min
 Lab File: BF108491.D
 Acq: 25 Aug 2018 4:56

Instrument :
 BNA_F
 ClientSampleId :
 CLIFFWOOD-EMBANKMENT-FILL

Tot Ion:	163	Resp:	92702
Ion Ratio	Lower	Upper	
163	100		
194	4.2	2.7	4.1#
164	11.0	8.2	12.2

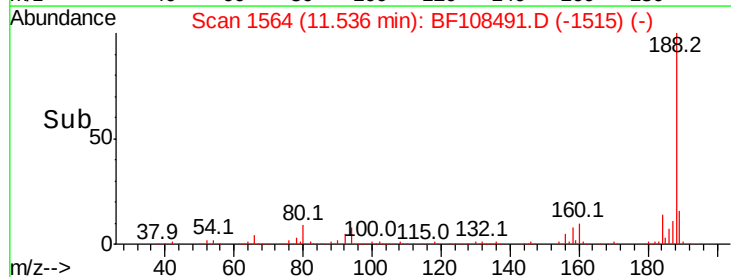
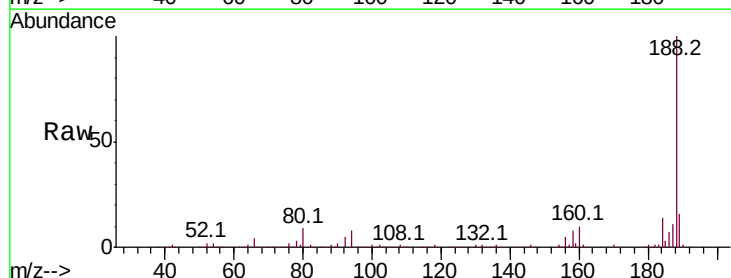
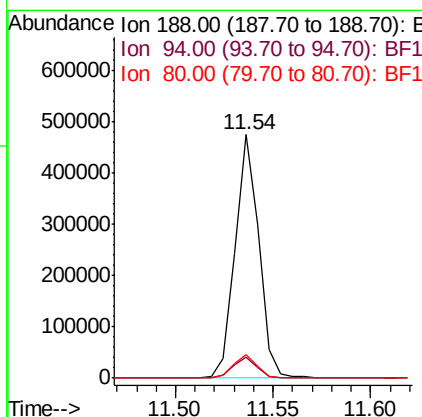
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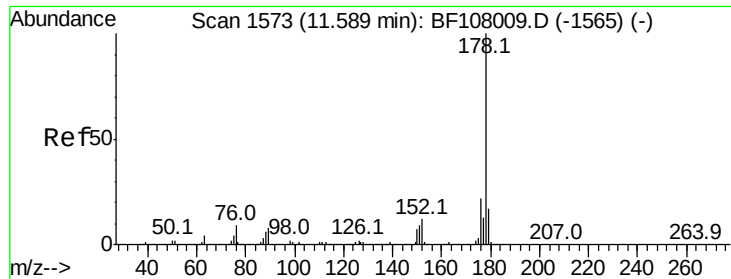
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108491.D
 Acq: 25 Aug 2018 4:56

Tgt Ion:	188	Resp:	400251
Ion Ratio	Lower	Upper	
188	100		
94	8.4	8.5	12.7#
80	9.5	9.2	13.8





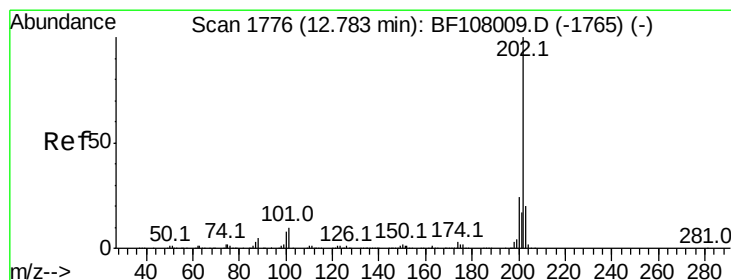
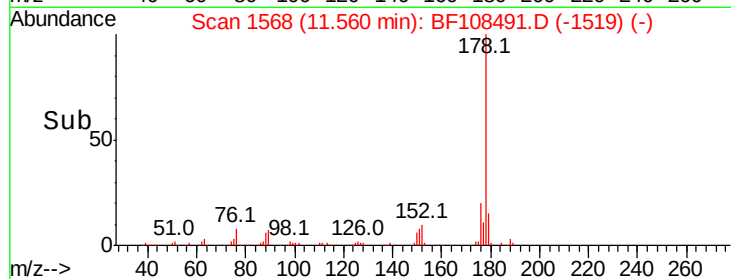
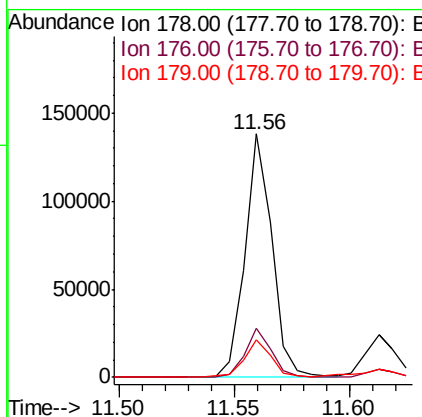
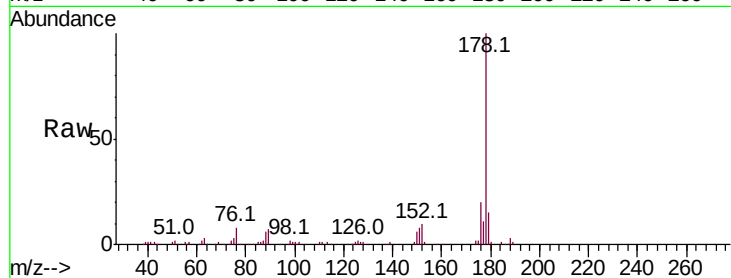
#70
 Phenanthrene
 Concen: 6.020 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF108491.D
 Acq: 25 Aug 2018 4:56

Instrument :
 BNA_F
 ClientSampleId :
 CLIFFWOOD-EMBANKMENT-FILL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.2	13.0	19.6

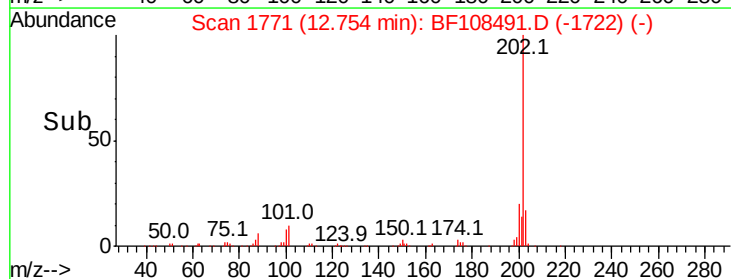
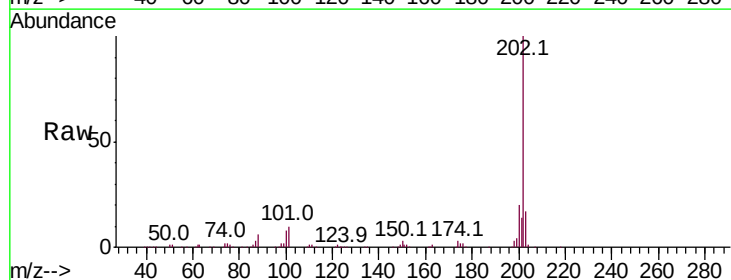
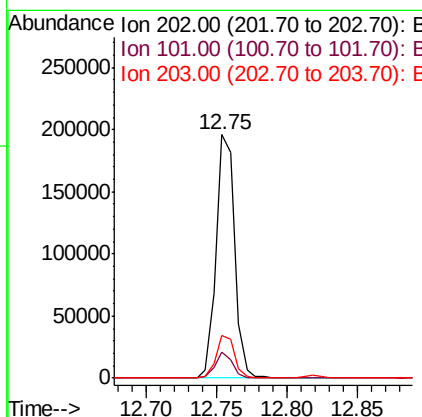
Manual Integrations
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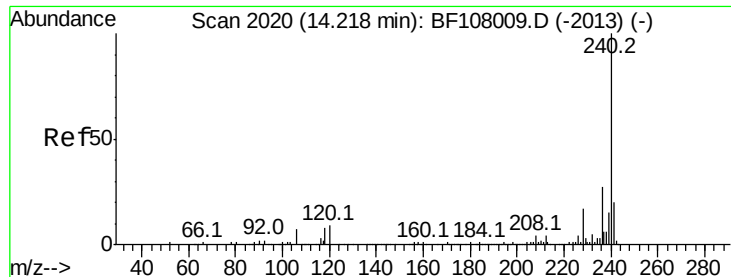
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#74
 Fluoranthene
 Concen: 8.748 ng
 RT: 12.75 min Scan# 1771
 Delta R.T. -0.01 min
 Lab File: BF108491.D
 Acq: 25 Aug 2018 4:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	34.1
203	17.5	0.0	38.1





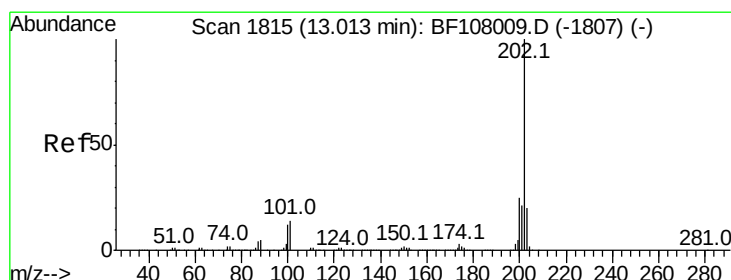
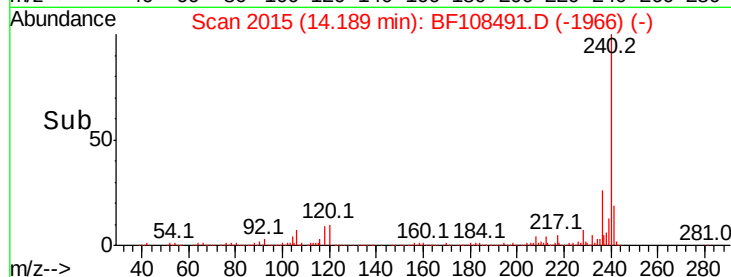
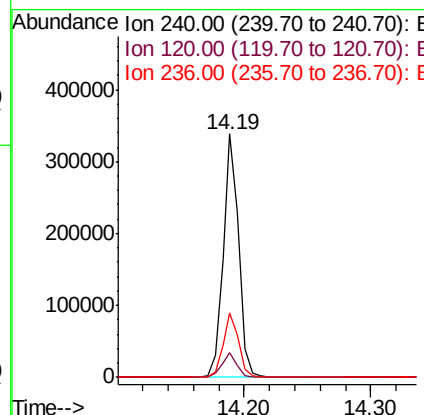
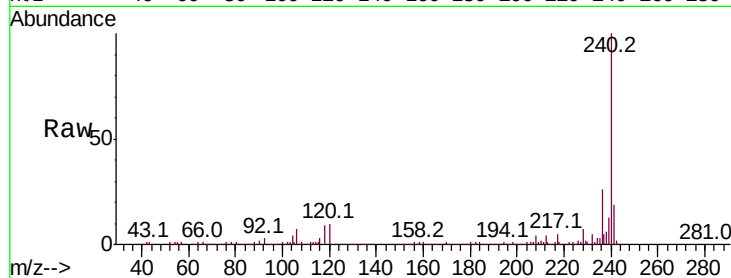
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF108491.D
Acq: 25 Aug 2018 4:56

Instrument :
BNA_F
ClientSampleId :
CLIFFWOOD-EMBANKMENT-FILL

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	10.2	9.5	14.3	
236	26.4	20.7	31.1	

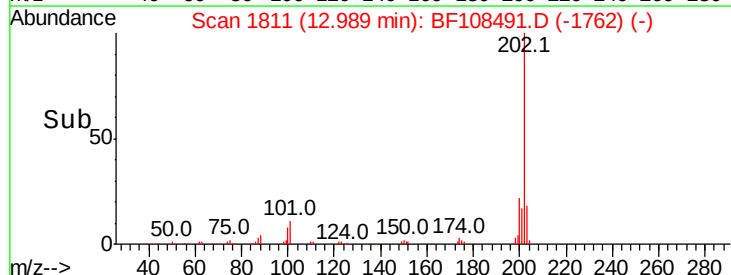
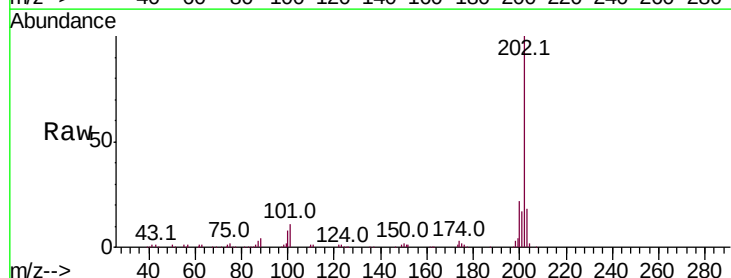
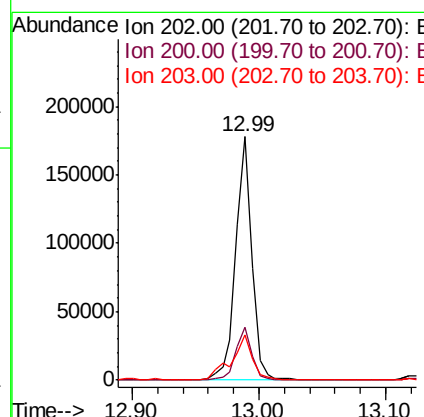
Manual Integrations
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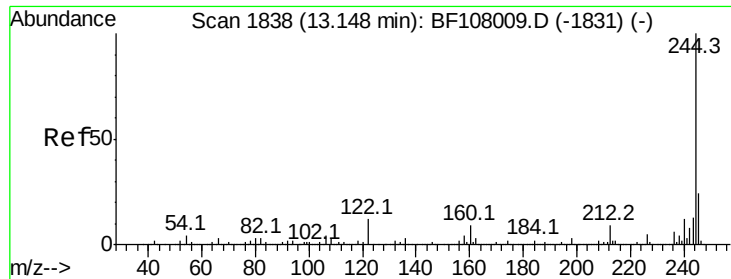
Sohil
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#77
Pyrene
Concen: 8.516 ng
RT: 12.99 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF108491.D
Acq: 25 Aug 2018 4:56

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.6	17.4	26.2	
203	18.4	14.3	21.5	





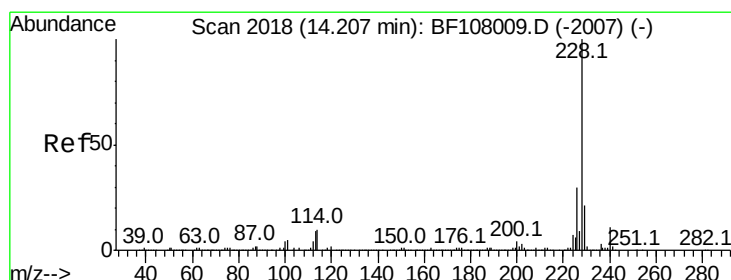
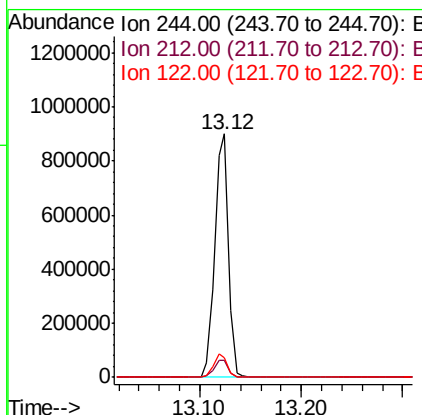
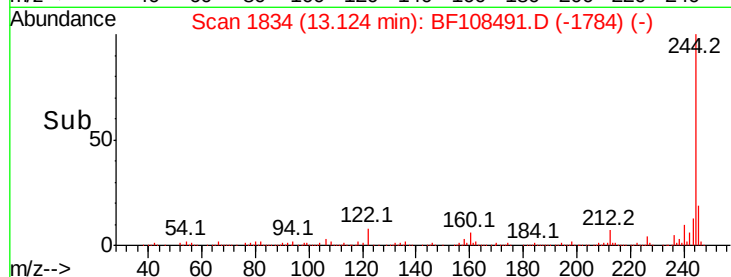
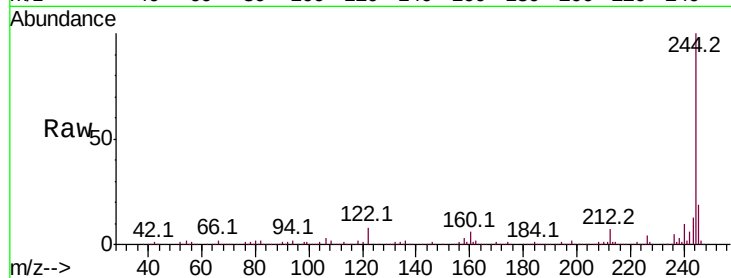
#78
 Terphenyl-d14
 Concen: 74.172 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BF108491.D
 Acq: 25 Aug 2018 4:56

Instrument :
 BNA_F
 ClientSampleId :
 CLIFFWOOD-EMBANKMENT-FILL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	8.1	11.0	16.4

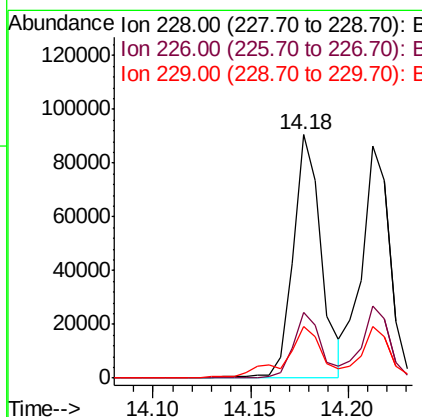
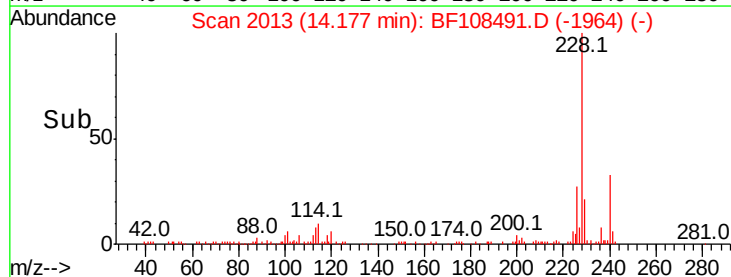
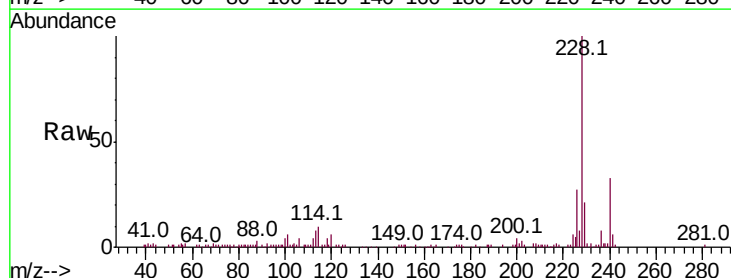
Manual Integrations
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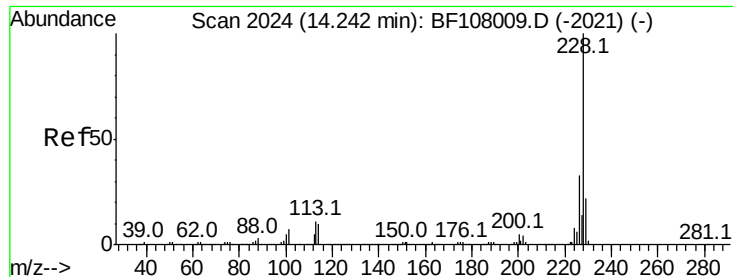
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#80
 Benzo(a)anthracene
 Concen: 5.469 ng
 RT: 14.18 min Scan# 2013
 Delta R.T. -0.01 min
 Lab File: BF108491.D
 Acq: 25 Aug 2018 4:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	21.1	15.8	23.6





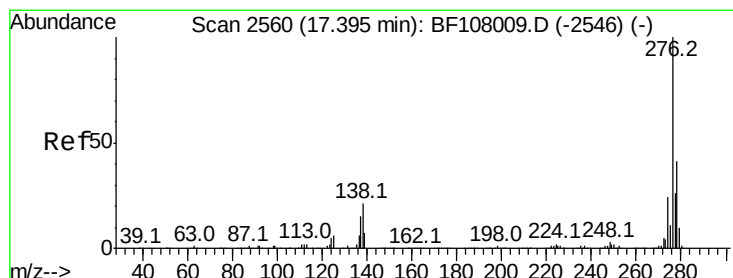
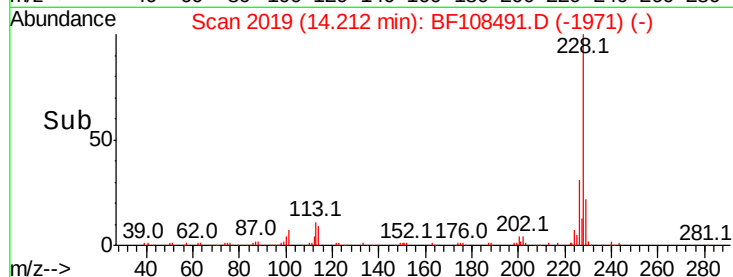
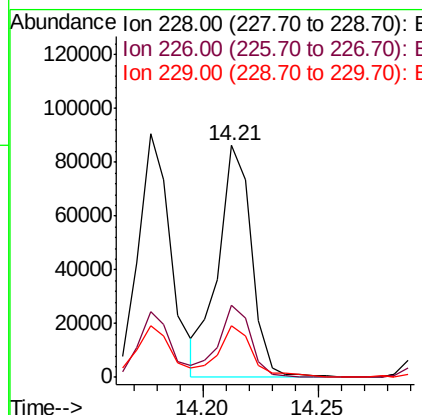
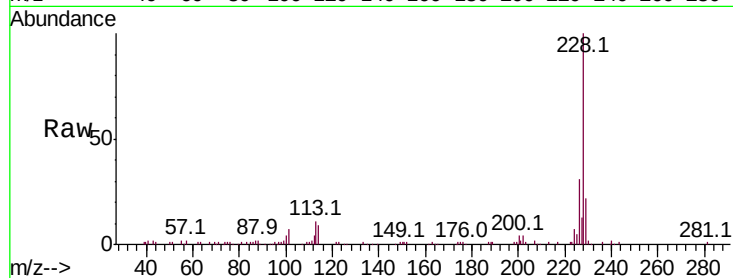
#82
Chrysene
Concen: 5.707 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF108491.D
Acq: 25 Aug 2018 4:56

Instrument :
BNA_F
ClientSampleId :
CLIFFWOOD-EMBANKMENT-FILL

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	22.2	16.2	24.4

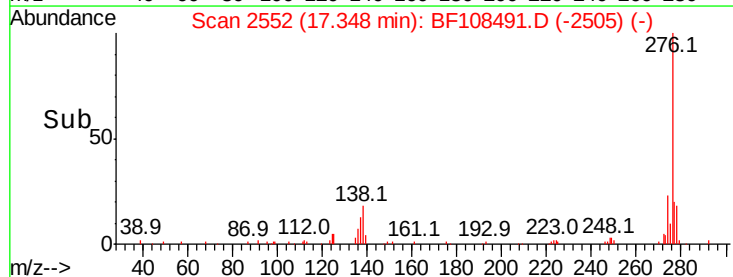
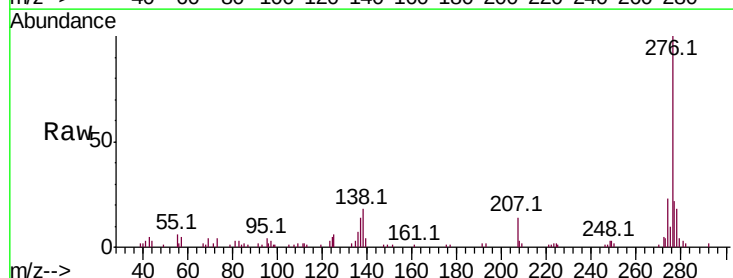
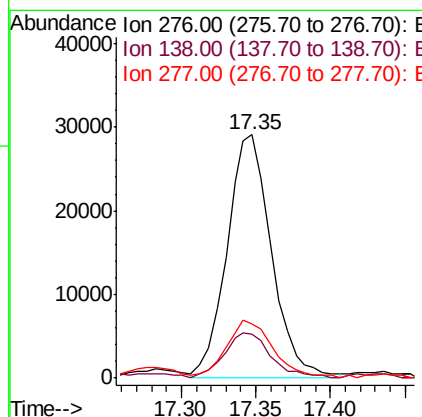
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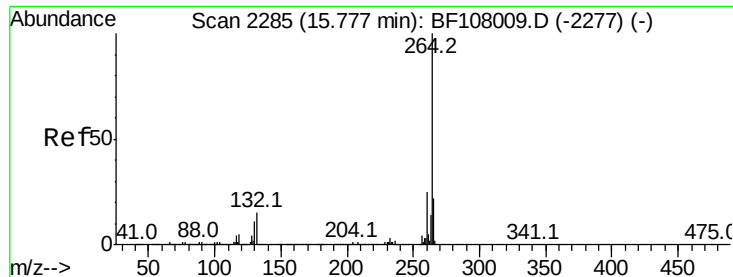
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.601 ng
RT: 17.35 min Scan# 2552
Delta R.T. -0.02 min
Lab File: BF108491.D
Acq: 25 Aug 2018 4:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.6	25.0	37.6#
277	25.1	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: BF108491.D

Acq: 25 Aug 2018 4:56

Instrument :

BNA_F

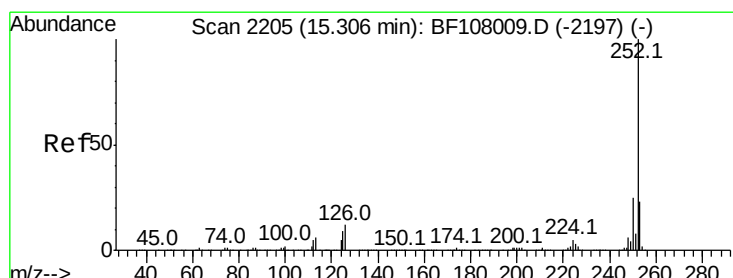
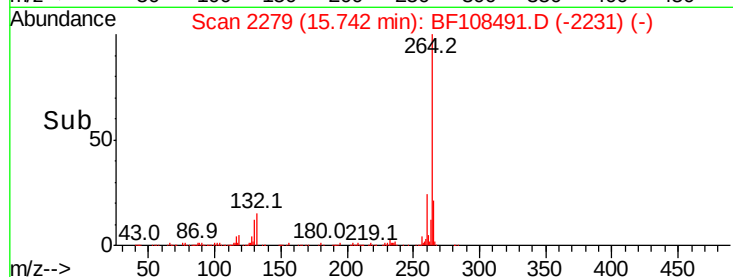
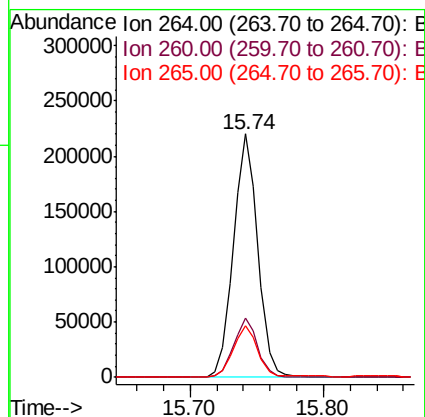
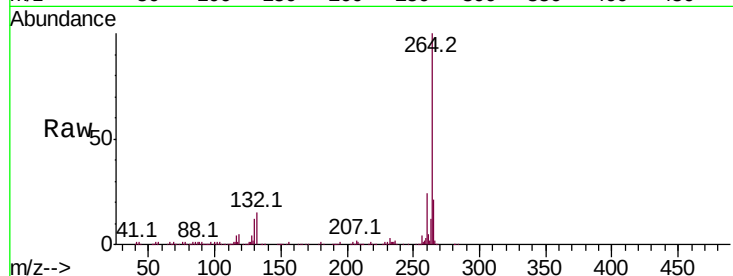
ClientSampleId :

CLIFFWOOD-EMBANKMENT-FILL

Tot Ion:	264	Resp:	281331
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	21.3	17.5	26.3

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 8.725 ng m

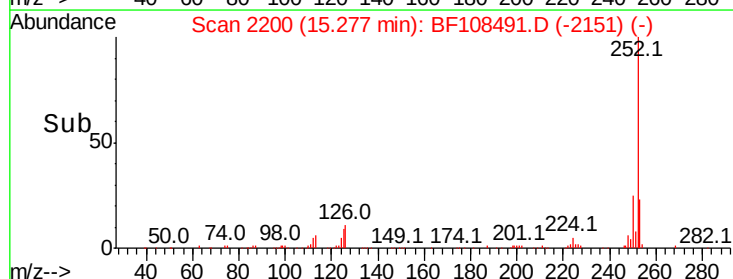
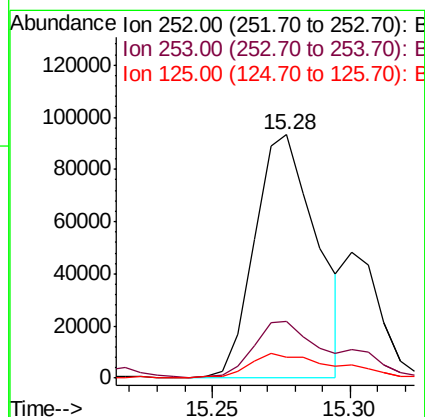
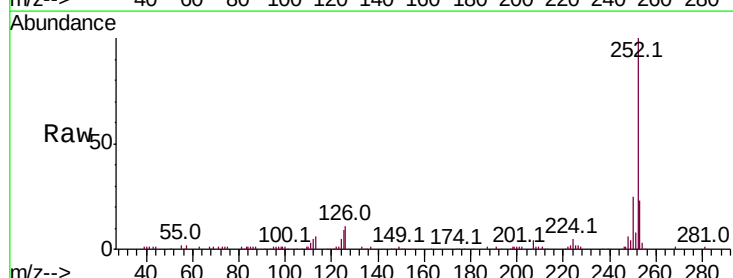
RT: 15.28 min Scan# 2200

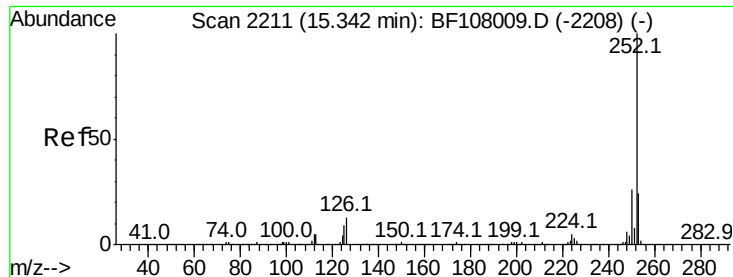
Delta R.T. -0.01 min

Lab File: BF108491.D

Acq: 25 Aug 2018 4:56

Tgt Ion:	252	Resp:	146679
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.0	25.6
125	8.7	9.0	13.6#





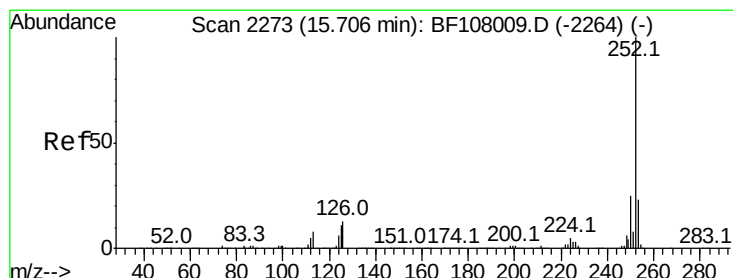
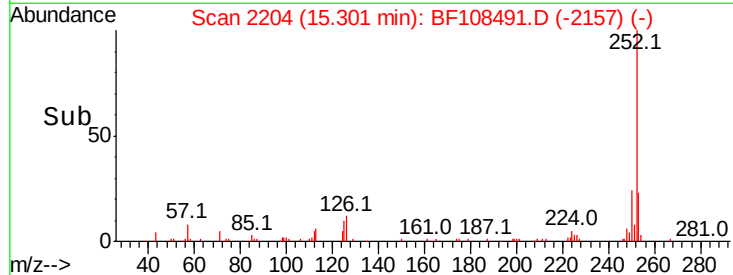
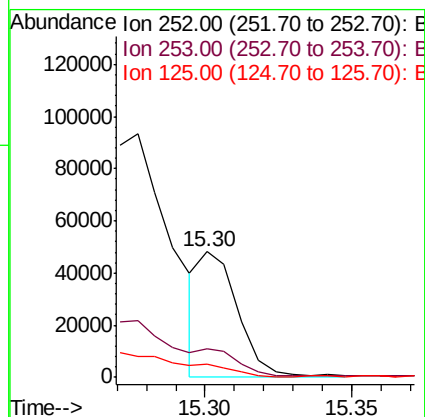
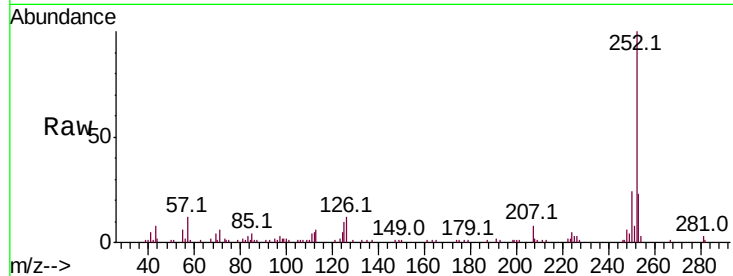
#88
Benzo(k)fluoranthene
Concen: 2.867 ng m
RT: 15.30 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF108491.D
Acq: 25 Aug 2018 4:56

Instrument :
BNA_F
ClientSampleId :
CLIFFWOOD-EMBANKMENT-FILL

Tot Ion:	252	Resp:	44303
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.9	26.9
125	10.4	10.2	15.2

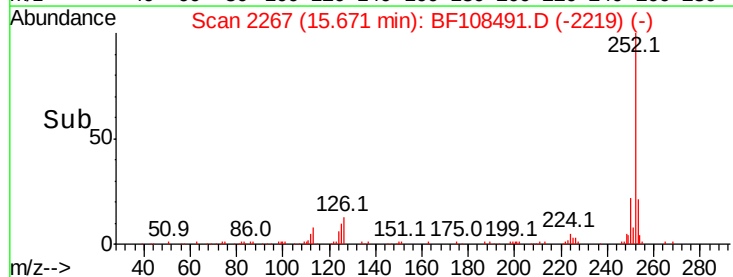
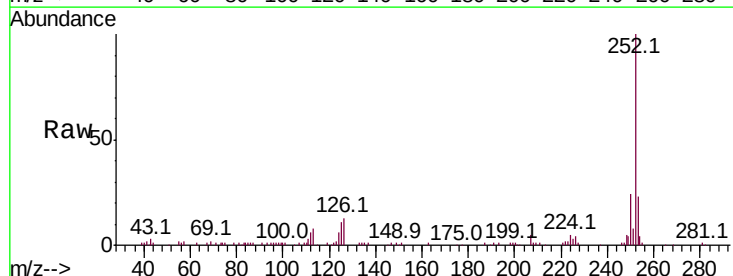
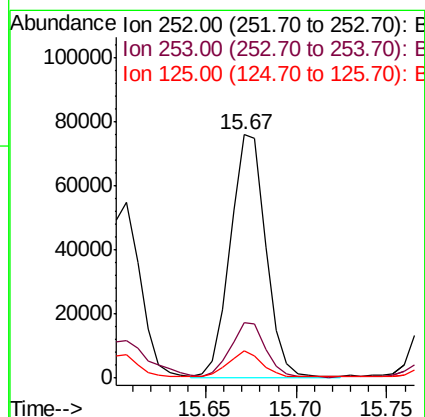
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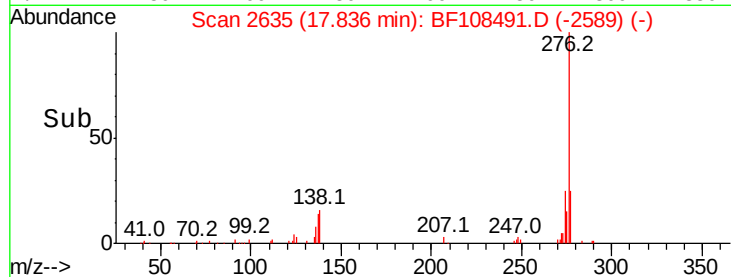
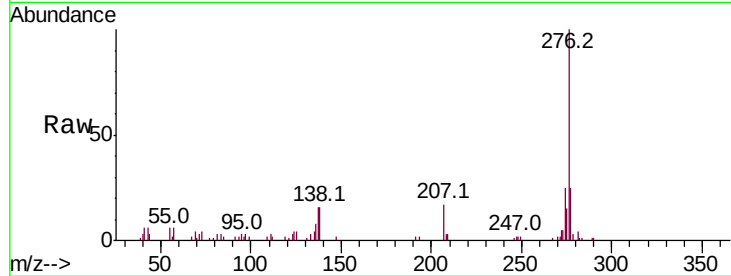
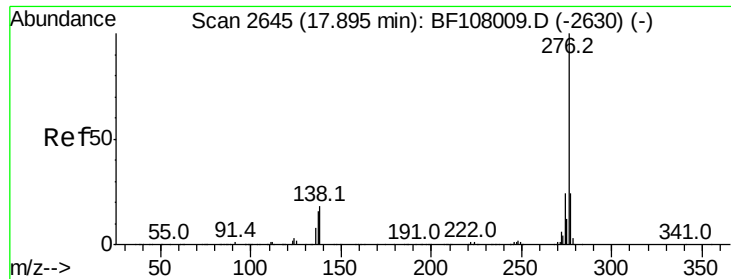
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#89
Benzo(a)pyrene
Concen: 6.941 ng
RT: 15.67 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF108491.D
Acq: 25 Aug 2018 4:56

Tgt Ion:	252	Resp:	104490
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.1	25.7
125	11.4	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.753 ng
 RT: 17.84 min Scan# 2635
 Delta R.T. -0.03 min
 Lab File: BF108491.D
 Acq: 25 Aug 2018 4:56

Instrument :
 BNA_F
 ClientSampleId :
 CLIFFWOOD-EMBANKMENT-FILL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	15.7	21.8	32.8#

Manual Integrations
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