

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108526.D
 Acq On : 27 Aug 2018 23:13
 Operator : JU/SJ
 Sample : J4636-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BYR-2-E(0-1)

Manual Integrations
 APPROVED

Sohil
 8/28/2018 12:16:36 PM

Quant Time: Aug 28 02:22:30 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	102013	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	369802	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	158182	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	273353	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	253192	20.00	ng	-0.01
86) Perylene-d12	15.75	264	163833	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	480411	85.26	ng	0.00
7) Phenol-d6	6.62	99	639238	85.37	ng	-0.01
23) Nitrobenzene-d5	7.56	82	417370	62.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	134574	85.29	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	685793	69.60	ng	-0.01
78) Terphenyl-d14	13.12	244	564724	56.71	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.74	163	211272	19.174	ng	Qvalue 99
70) Phenanthrene	11.56	178	70905	5.499	ng	99
74) Fluoranthene	12.75	202	167837	11.928	ng	95
77) Pyrene	12.99	202	155001	9.670	ng	100
79) Butylbenzylphthalate	13.59	149	18433	2.896	ng	93
80) Benzo(a)anthracene	14.18	228	91478	6.296	ng	98
82) Chrysene	14.22	228	81587	6.124	ng	99
83) Bis(2-ethylhexyl)phthalate	14.14	149	17650	2.048	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.36	276	32492	2.815	ng	# 88
87) Benzo(b)fluoranthene	15.28	252	90963m	9.292	ng	
88) Benzo(k)fluoranthene	15.31	252	24064m	2.674	ng	
89) Benzo(a)pyrene	15.68	252	55842	6.370	ng	94
91) Benzo(a,h,i)perylene	17.85	276	35580	4.982	ng	# 89

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

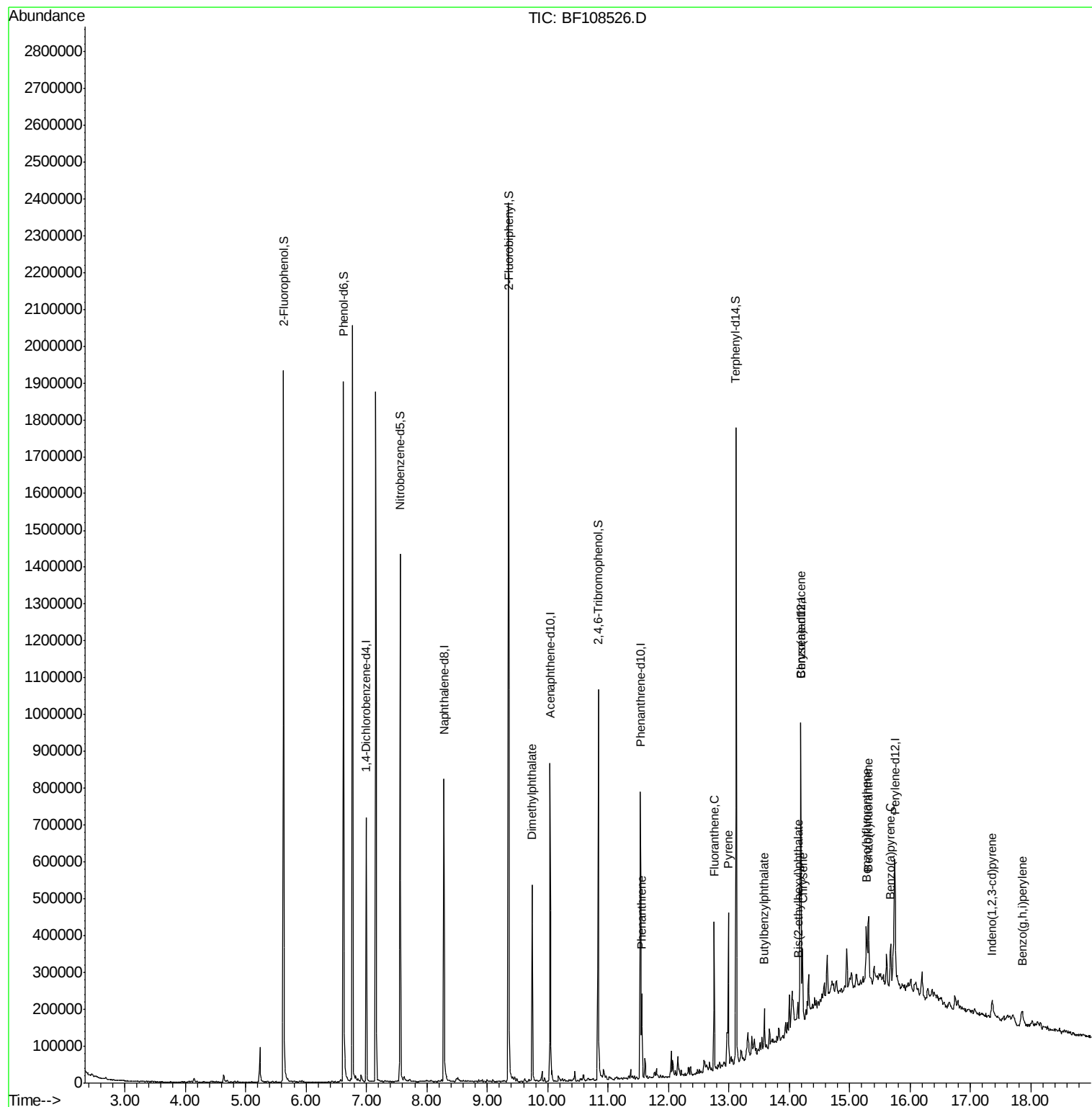
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
Data File : BF108526.D
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#1

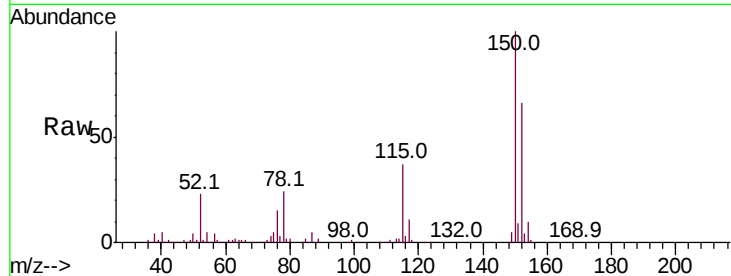
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

Instrument :
BNA_F
ClientSampleId :
BYR-2-E(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.6	186.8
115	55.8	50.1	75.1

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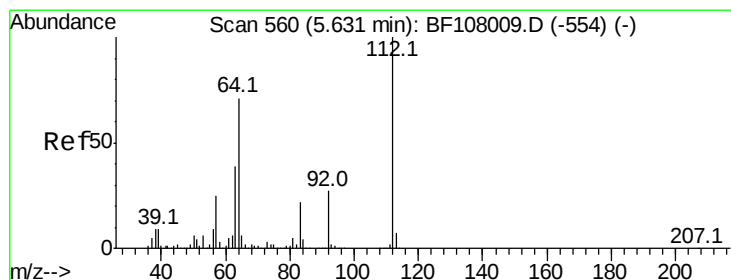
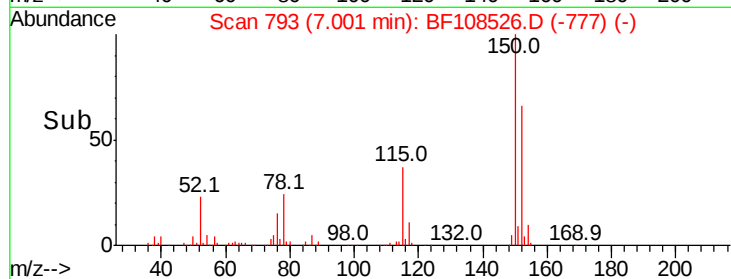
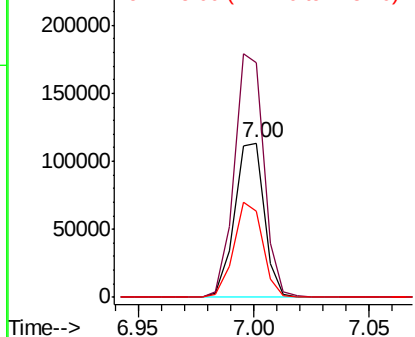


Abundance

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: 85.260 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

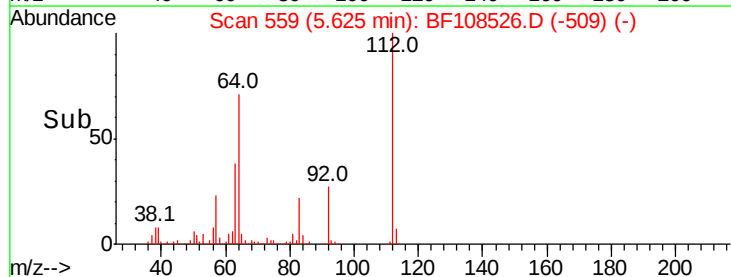
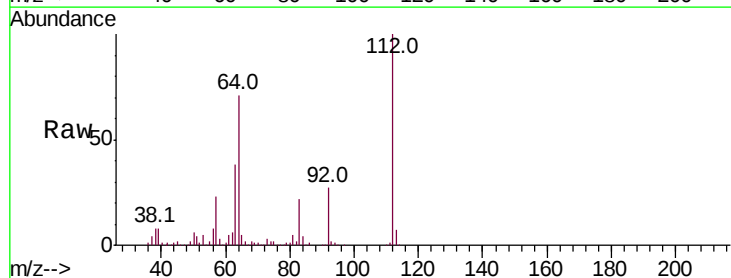
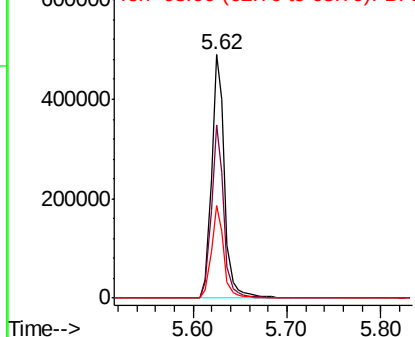
Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.0	47.9	71.9
63	37.8	23.7	35.5

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: 85.372 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108526.D

Acq: 27 Aug 2018 23:13

Instrument :

BNA_F

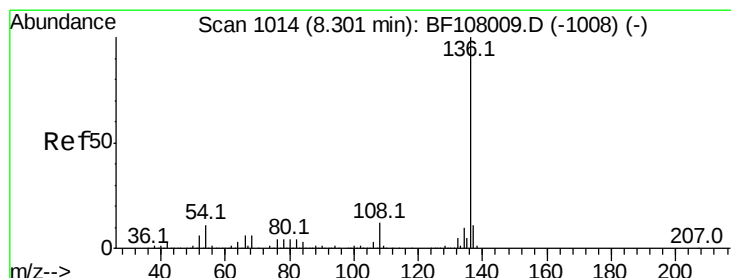
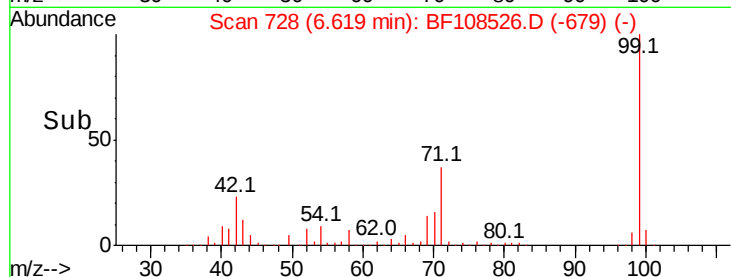
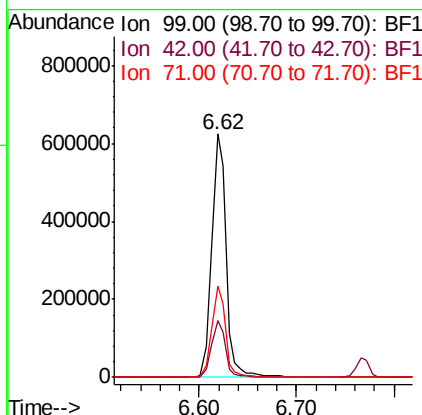
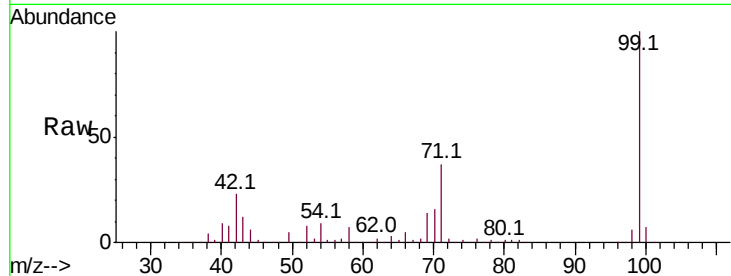
ClientSampleId :

BYR-2-E(0-1)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		639238		
42	23.1	14.5	21.7#		
71	37.4	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

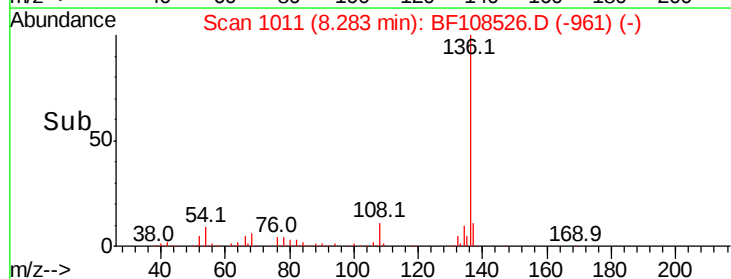
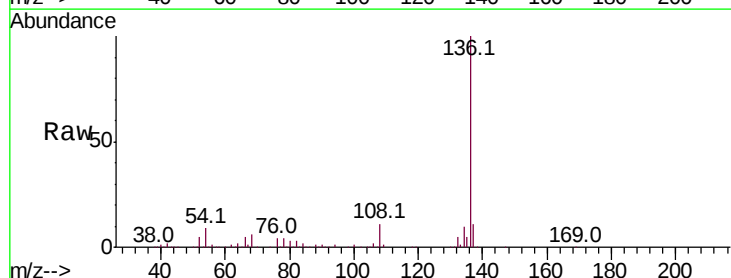
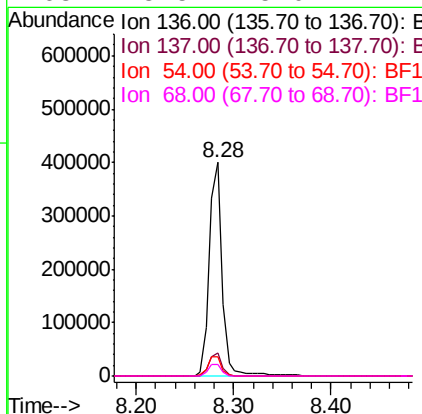
RT: 8.28 min Scan# 1011

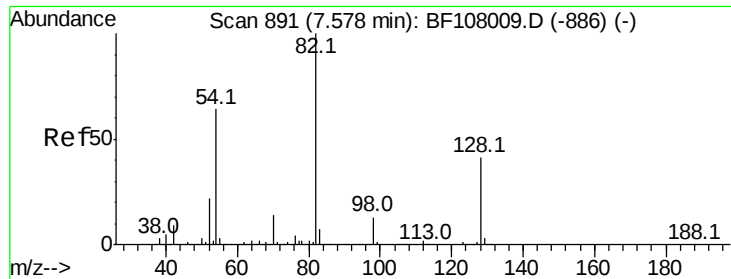
Delta R.T. -0.01 min

Lab File: BF108526.D

Acq: 27 Aug 2018 23:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		369802		
137	10.6	8.9	13.3		
54	9.2	6.6	9.8		
68	5.5	5.0	7.4		





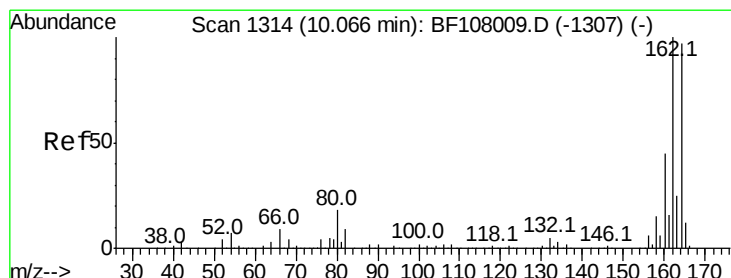
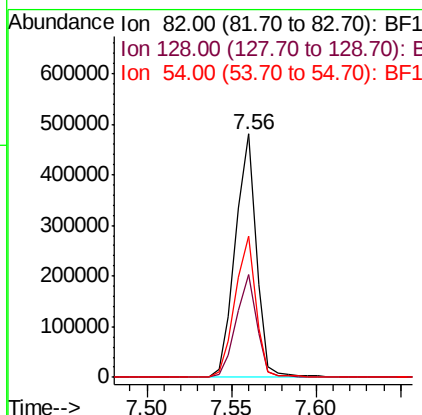
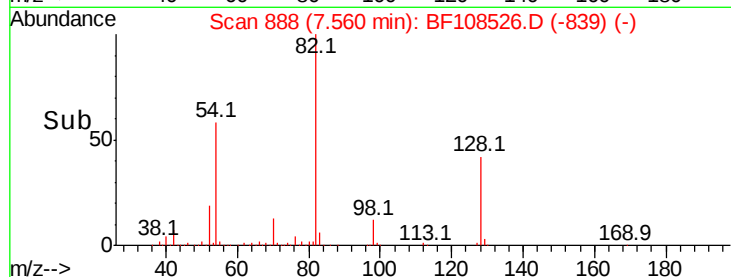
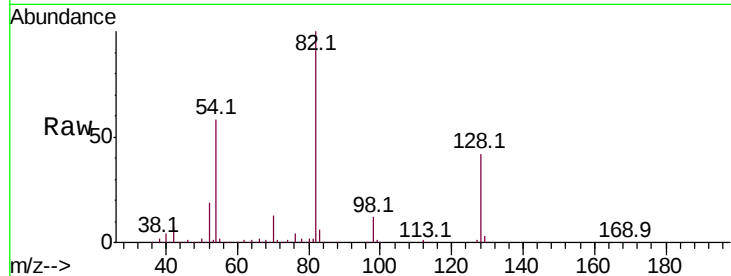
#23
 Nitrobenzene-d5
 Concen: 62.979 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF108526.D
 Acq: 27 Aug 2018 23:13

Instrument :
 BNA_F
 ClientSampleId :
 BYR-2-E(0-1)

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.4	36.1	54.1
54	57.7	41.4	62.2

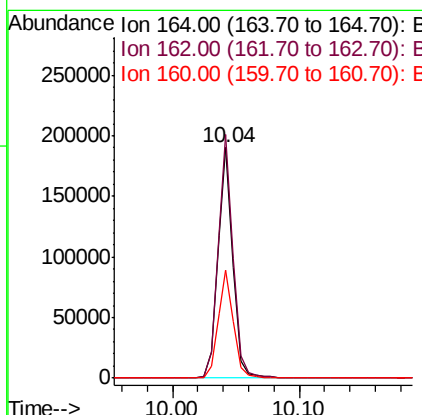
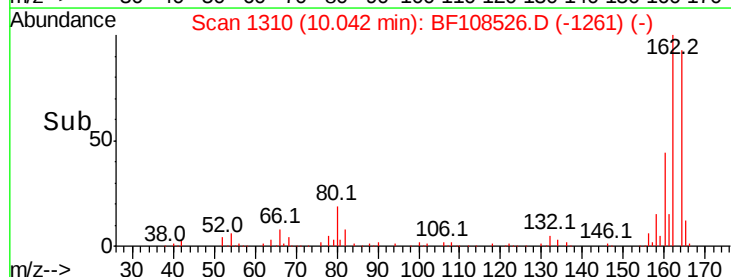
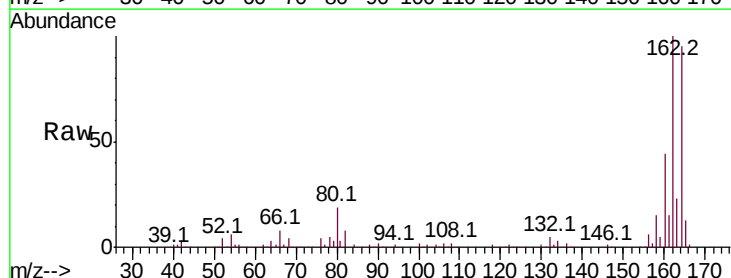
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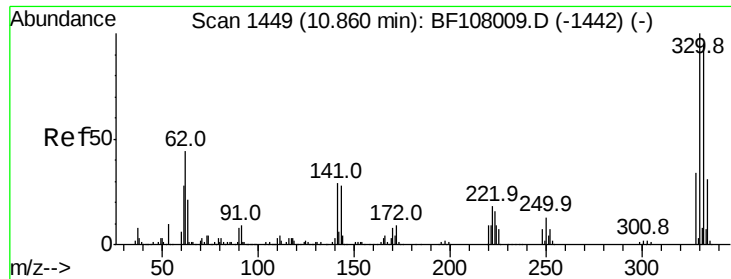
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108526.D
 Acq: 27 Aug 2018 23:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	86.1	129.1
160	46.6	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 85.291 ng

RT: 10.84 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF108526.D

Acq: 27 Aug 2018 23:13

Instrument :

BNA_F

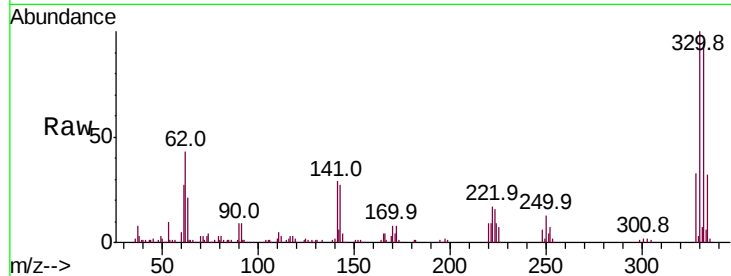
ClientSampleId :

BYR-2-E(0-1)

Tot Ion:	330	Resp:	134574
Ion Ratio	Lower	Upper	
330	100		
332	95.5	77.0	115.6
141	33.0	29.9	44.9

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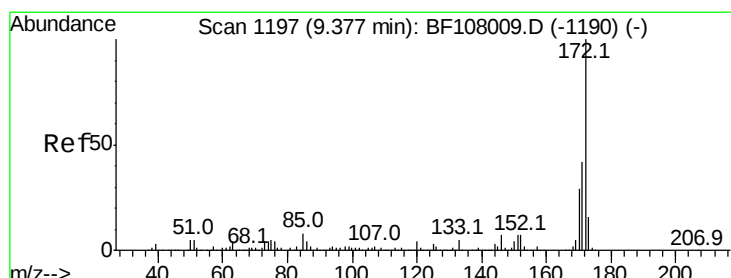
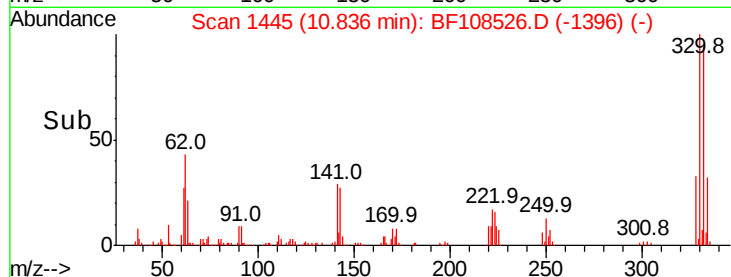
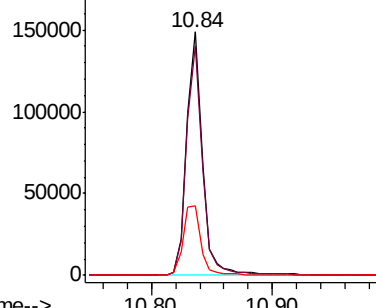


Abundance

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: 69.605 ng

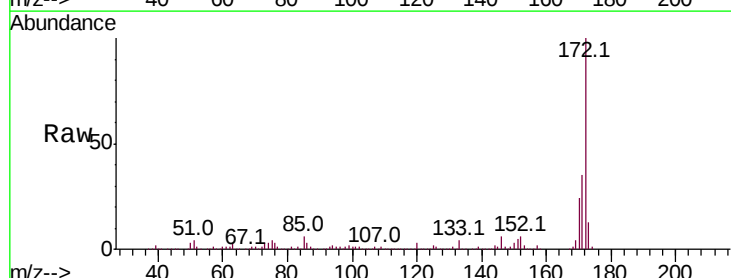
RT: 9.35 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BF108526.D

Acq: 27 Aug 2018 23:13

Tgt Ion:	172	Resp:	685793
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.7	44.5
170	23.8	19.6	29.4

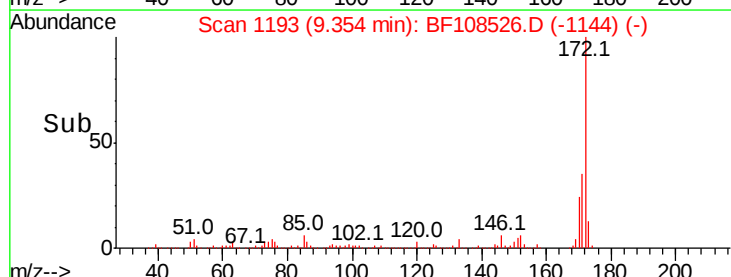
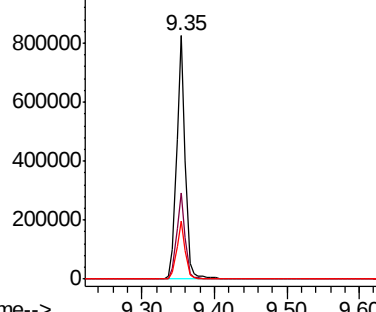


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





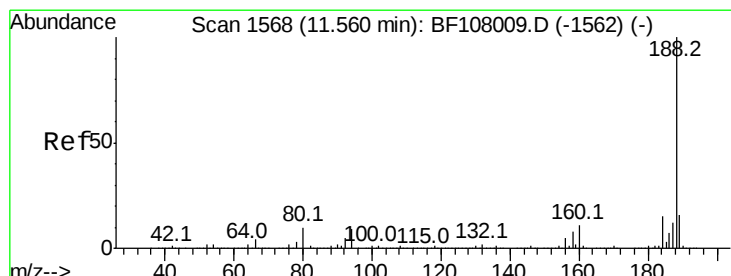
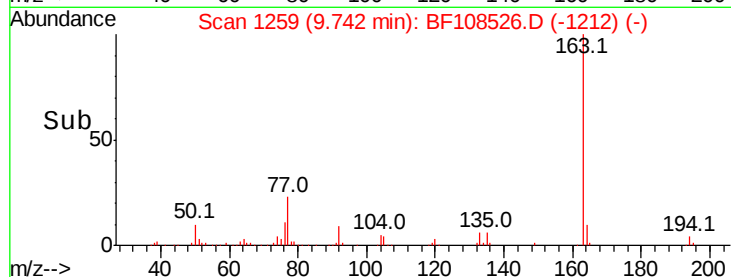
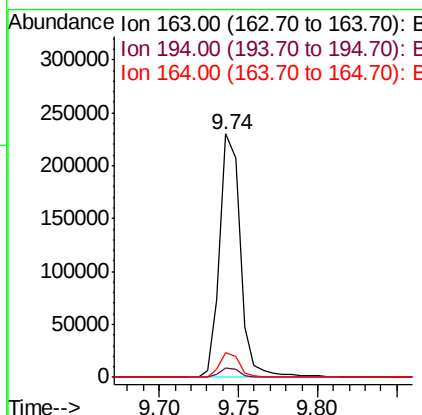
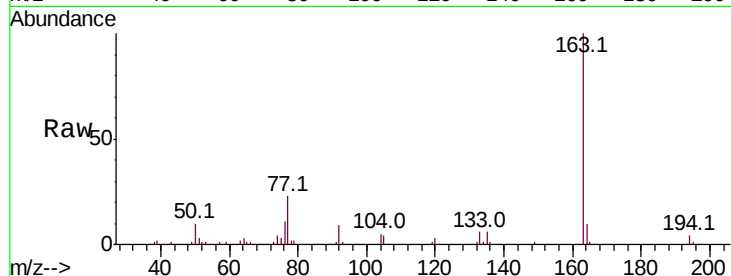
#49
Dimethylphthalate
Concen: 19.174 ng
RT: 9.74 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

Instrument :
BNA_F
ClientSampleId :
BYR-2-E(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	211272		
194	4.0		2.7	4.1
164	10.2		8.2	12.2

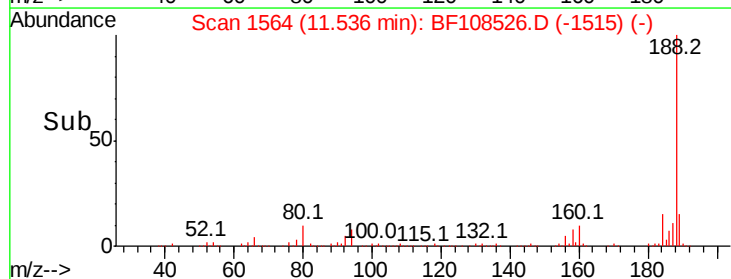
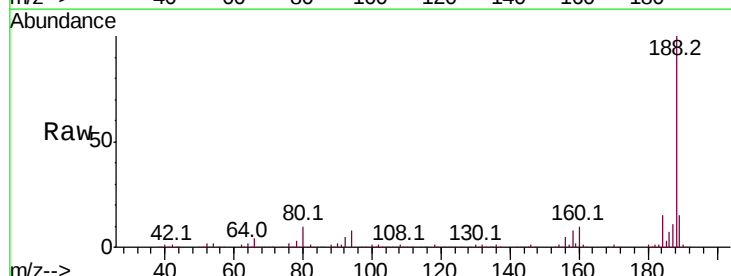
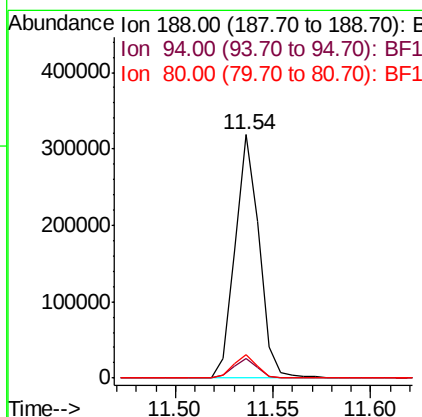
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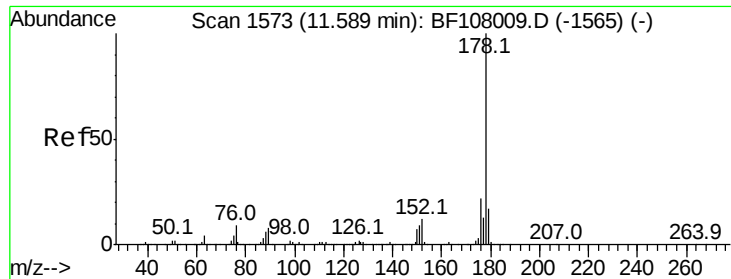
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	273353		
94	8.3		8.5	12.7#
80	9.6		9.2	13.8





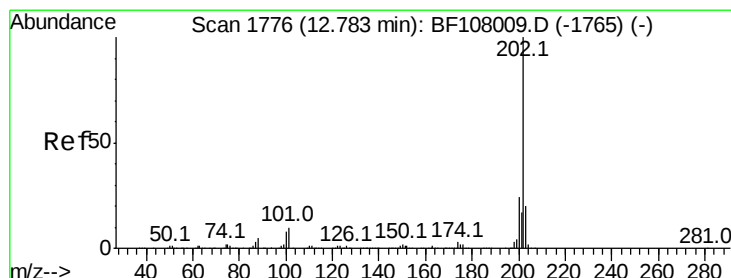
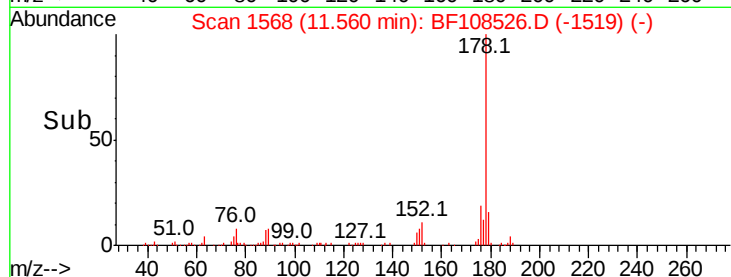
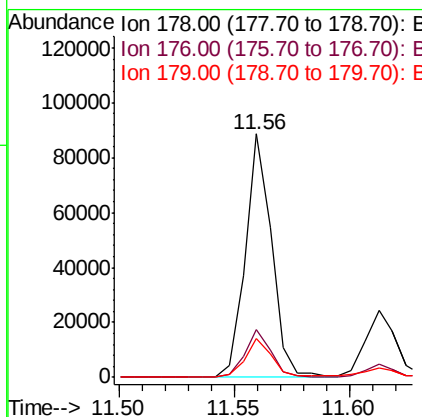
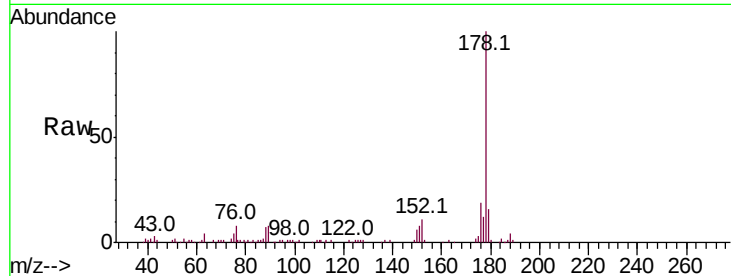
#70
Phenanthrene
Concen: 5.499 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

Instrument :
BNA_F
ClientSampleId :
BYR-2-E(0-1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	16.0	13.0	19.6

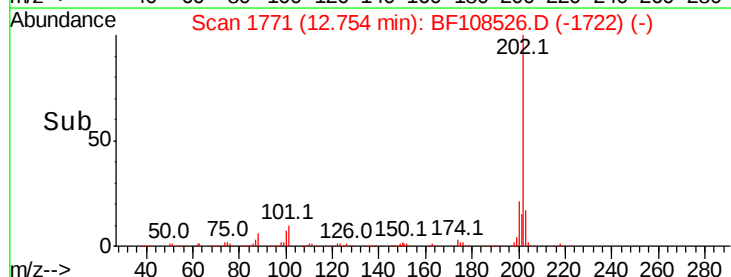
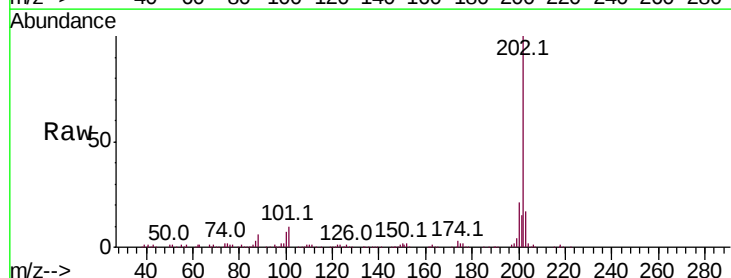
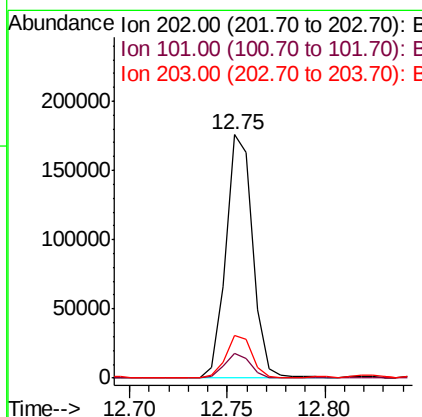
Manual Integrations
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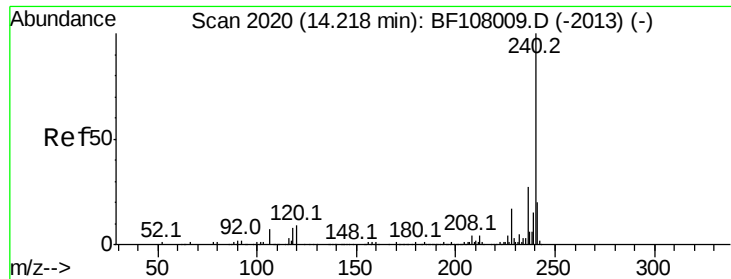
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#74
Fluoranthene
Concen: 11.928 ng
RT: 12.75 min Scan# 1771
Delta R.T. -0.01 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	34.1
203	17.3	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: BF108526.D

Acq: 27 Aug 2018 23:13

Instrument :

BNA_F

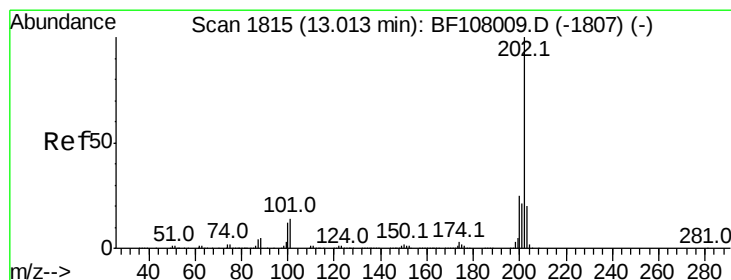
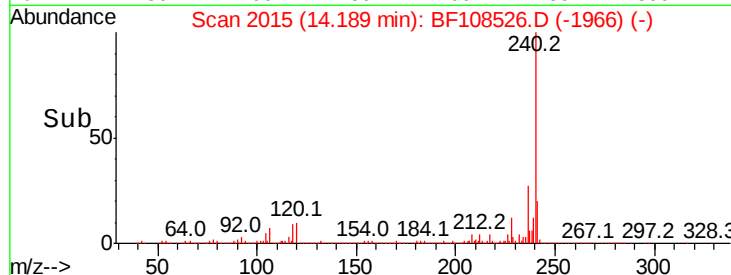
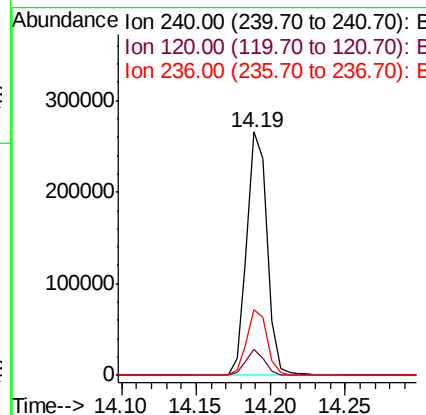
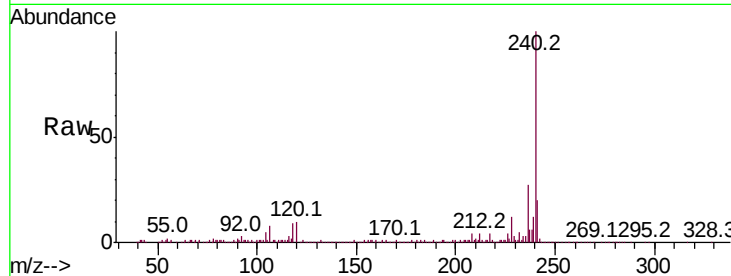
ClientSampleId :

BYR-2-E(0-1)

Tot Ion:	240	Resp:	253192
Ion Ratio	Lower	Upper	
240	100		
120	10.5	9.5	14.3
236	26.8	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 9.670 ng

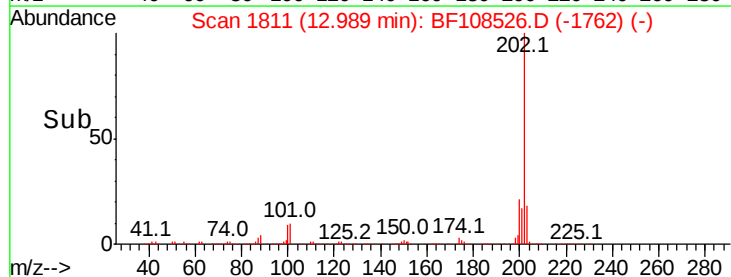
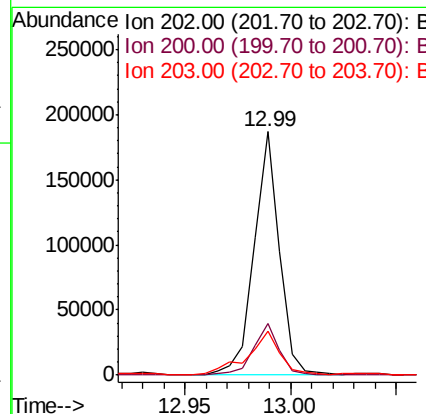
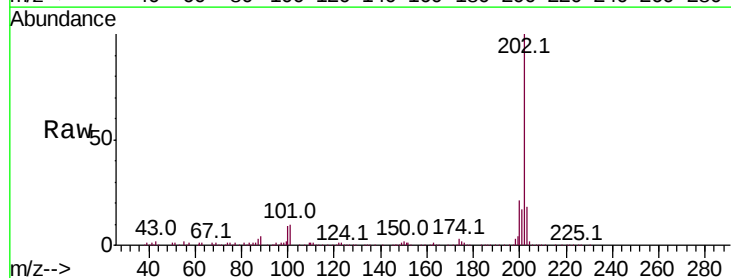
RT: 12.99 min Scan# 1811

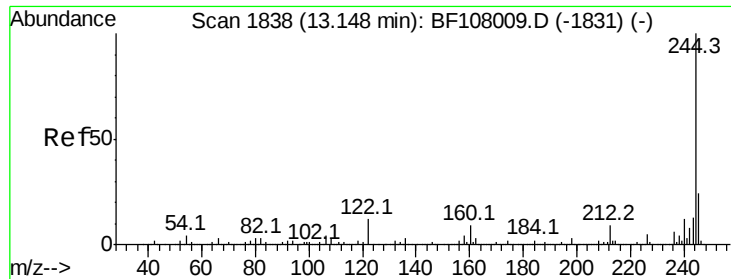
Delta R.T. -0.01 min

Lab File: BF108526.D

Acq: 27 Aug 2018 23:13

Tgt Ion:	202	Resp:	155001
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.9	14.3	21.5





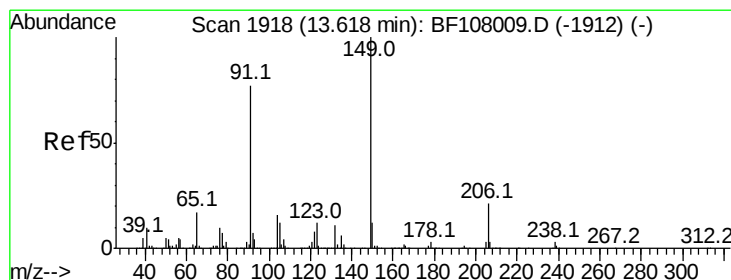
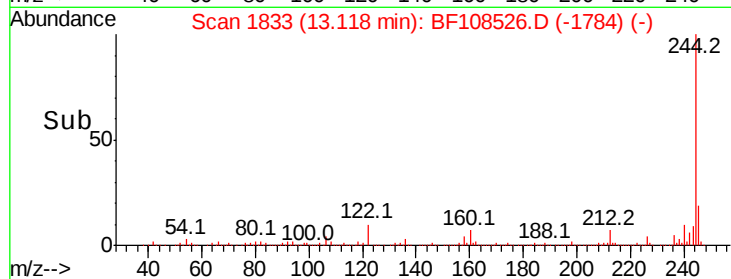
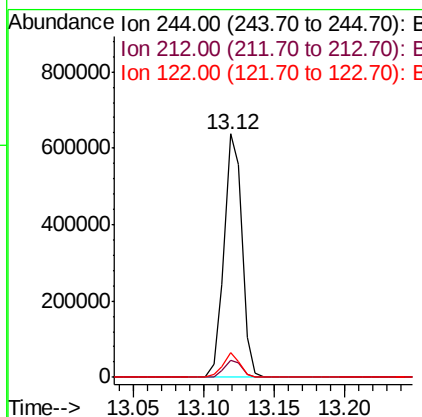
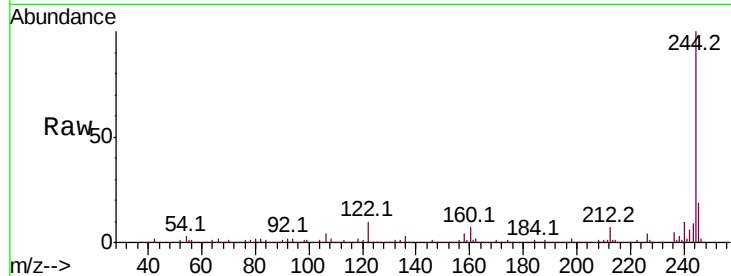
#78
 Terphenyl-d14
 Concen: 56.710 ng
 RT: 13.12 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BF108526.D
 Acq: 27 Aug 2018 23:13

Instrument :
 BNA_F
 ClientSampleId :
 BYR-2-E(0-1)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.3	11.0	16.4

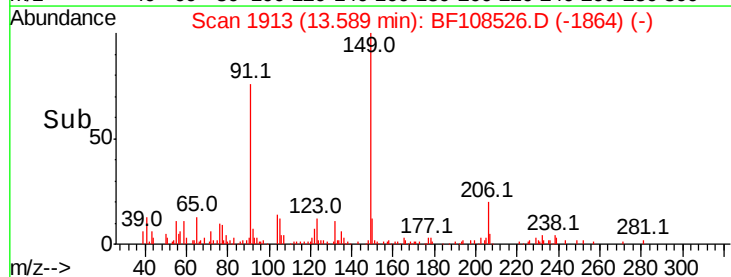
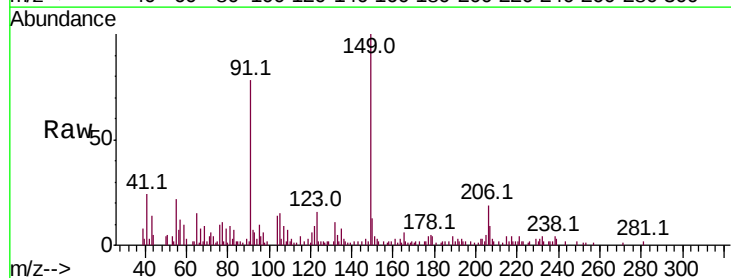
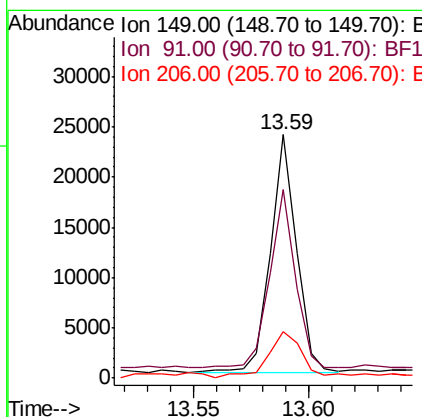
Manual Integrations
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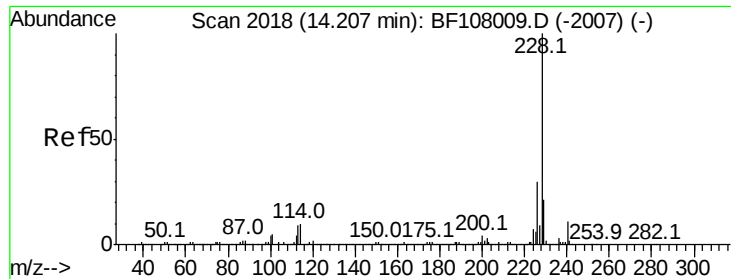
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#79
 Butylbenzylphthalate
 Concen: 2.896 ng
 RT: 13.59 min Scan# 1913
 Delta R.T. -0.01 min
 Lab File: BF108526.D
 Acq: 27 Aug 2018 23:13

Tgt Ion	Ratio	Lower	Upper
149	100		
91	77.5	56.8	85.2
206	19.3	14.1	21.1





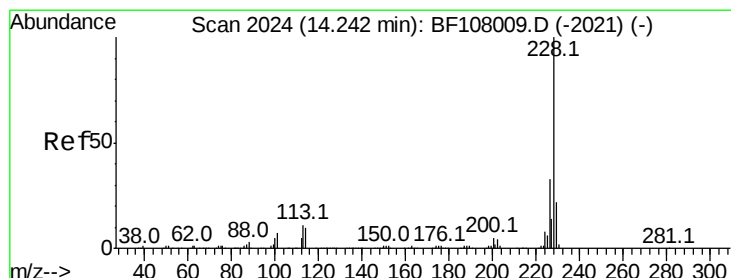
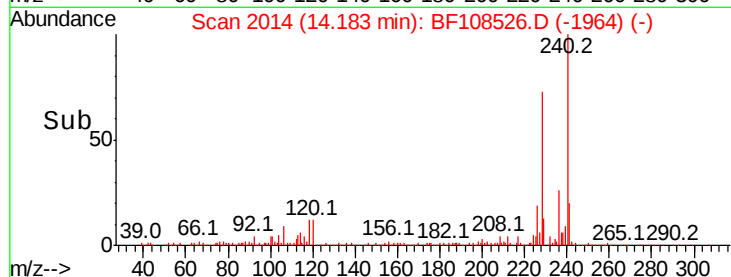
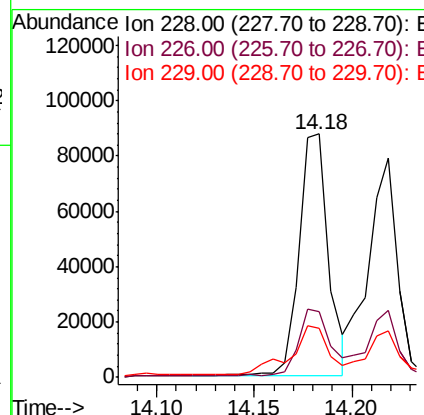
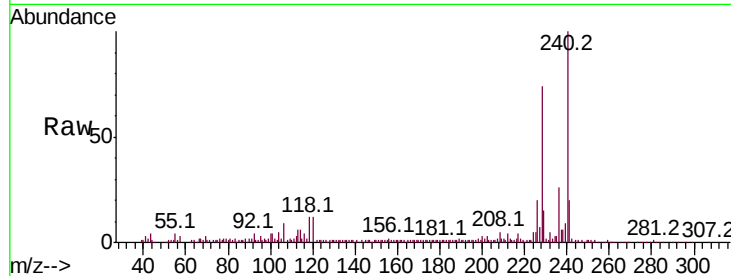
#80
Benzo(a)anthracene
Concen: 6.296 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

Instrument :
BNA_F
ClientSampleId :
BYR-2-E(0-1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	33.8
229	19.9	15.8	23.6

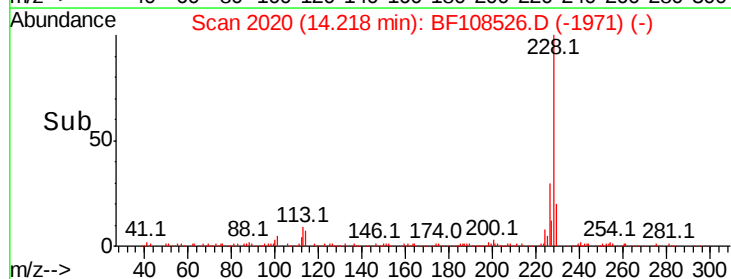
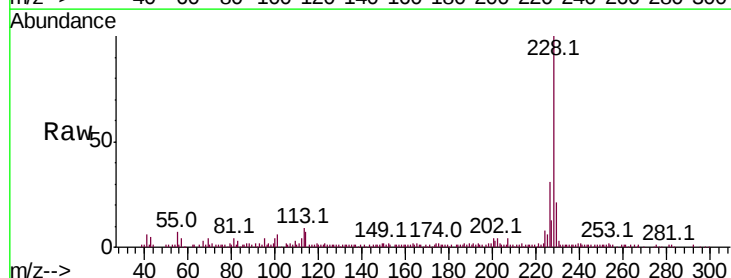
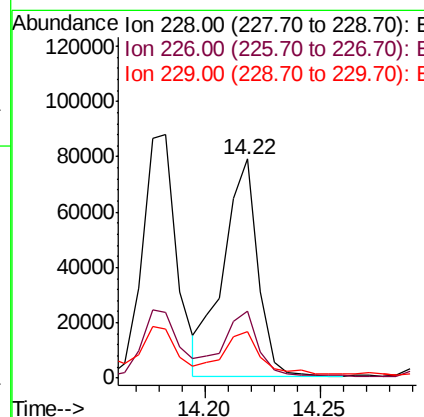
Manual Integrations
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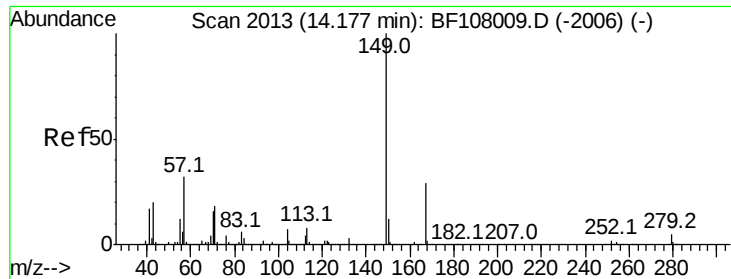
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#82
Chrysene
Concen: 6.124 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	21.4	16.2	24.4





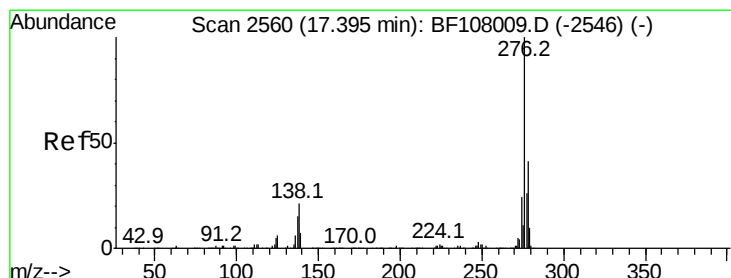
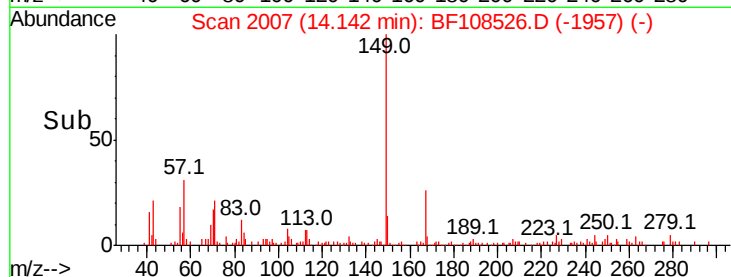
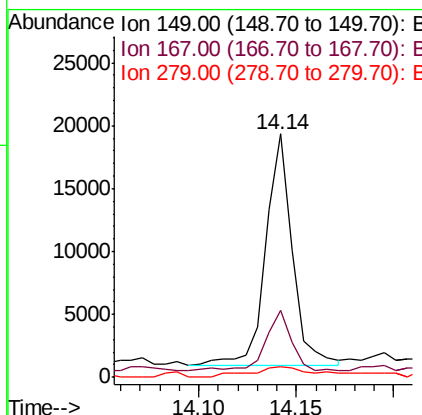
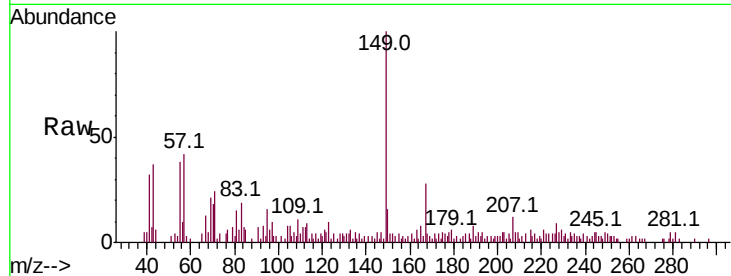
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.048 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

Instrument :
BNA_F
ClientSampleId :
BYR-2-E(0-1)

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.3	31.9
279	4.6	3.0	4.4

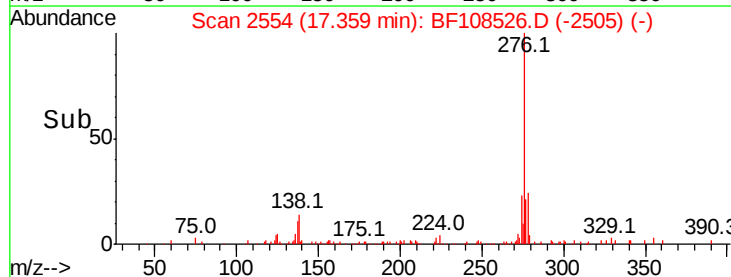
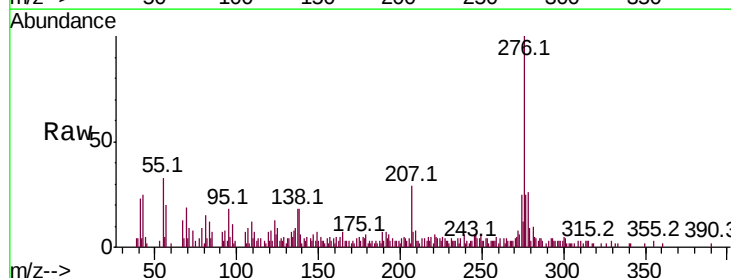
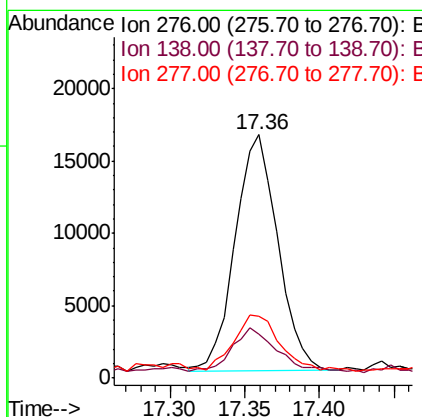
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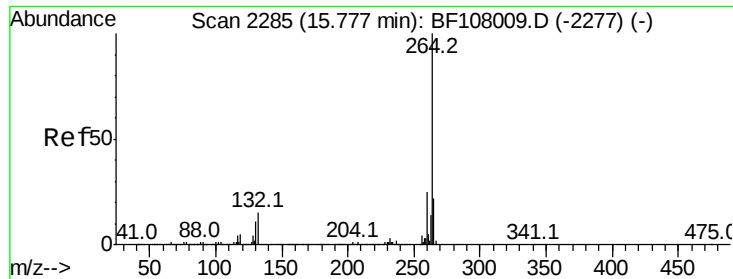
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.815 ng
RT: 17.36 min Scan# 2554
Delta R.T. -0.01 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.2	25.0	37.6
277	25.3	20.1	30.1





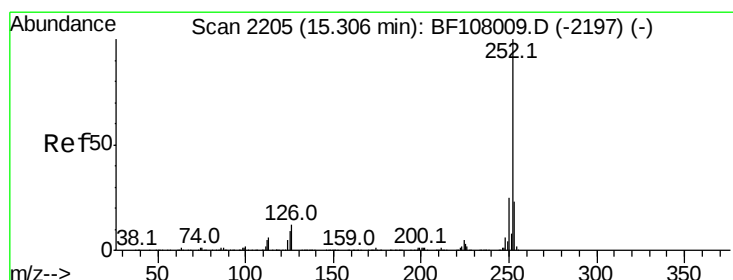
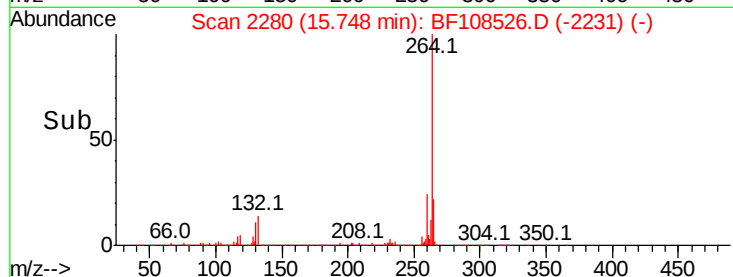
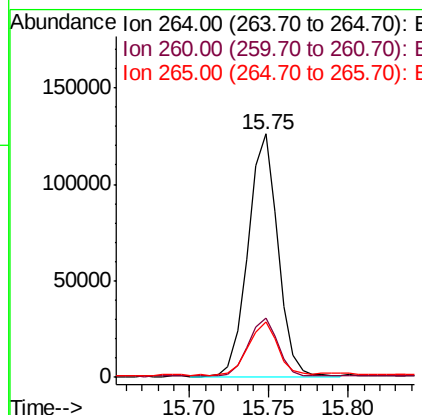
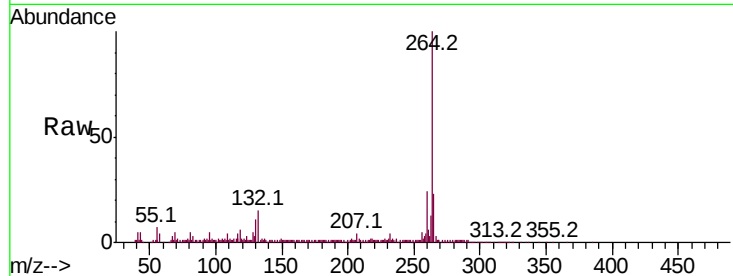
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

Instrument :
BNA_F
ClientSampleId :
BYR-2-E(0-1)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.7	17.5	26.3

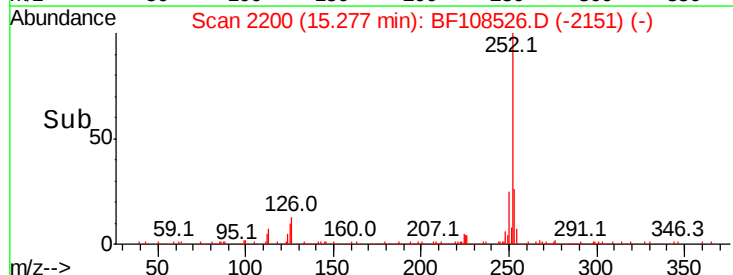
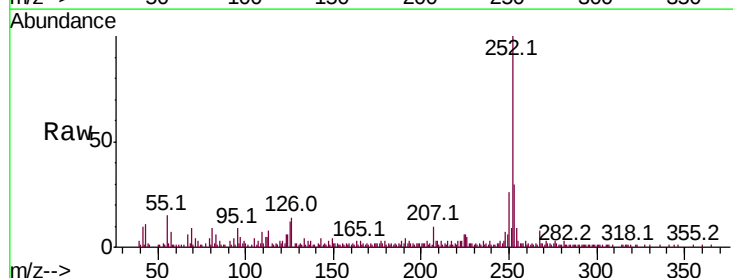
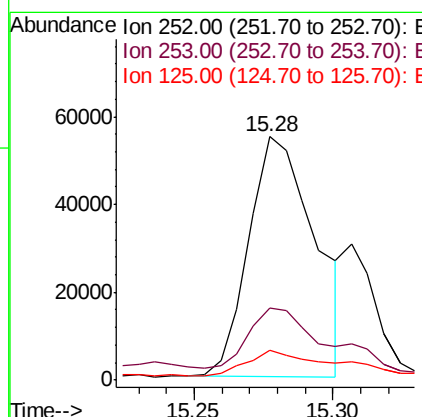
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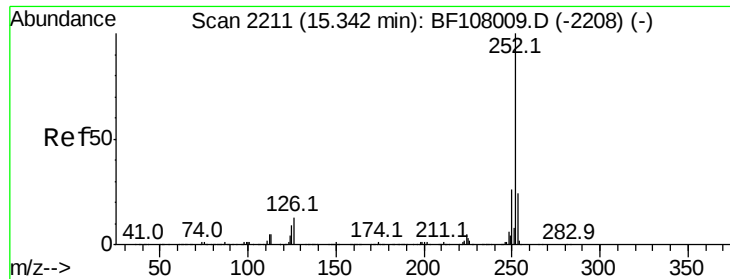
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#87
Benzo(b)fluoranthene
Concen: 9.292 ng m
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.6	17.0	25.6#
125	12.3	9.0	13.6





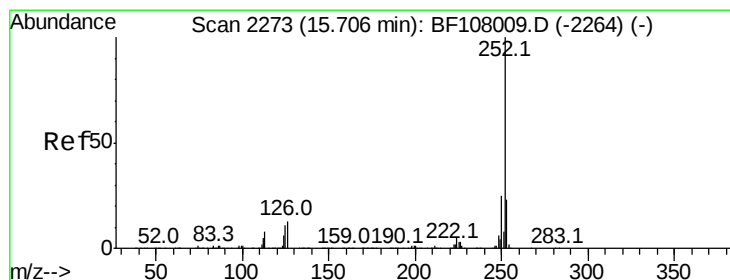
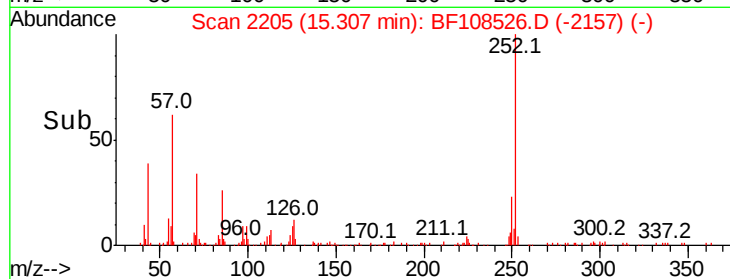
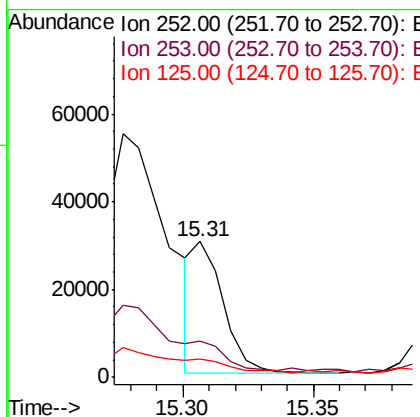
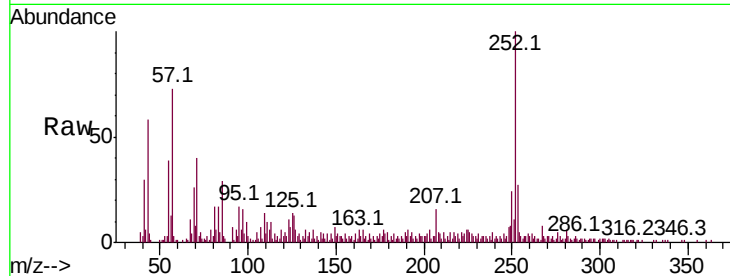
#88
Benzo(k)fluoranthene
Concen: 2.674 ng m
RT: 15.31 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

Instrument :
BNA_F
ClientSampleId :
BYR-2-E(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.9	26.9
125	13.7	10.2	15.2

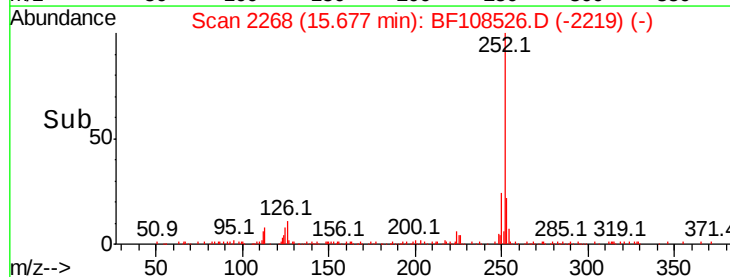
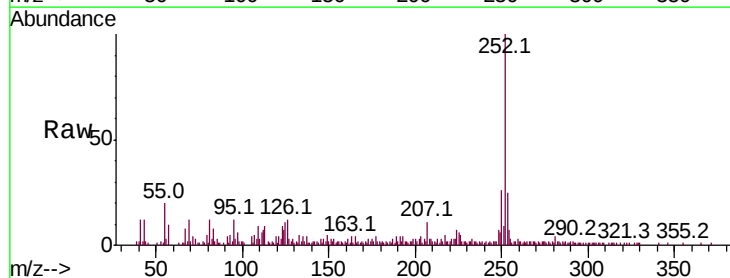
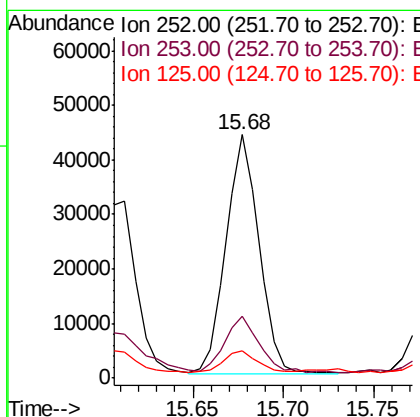
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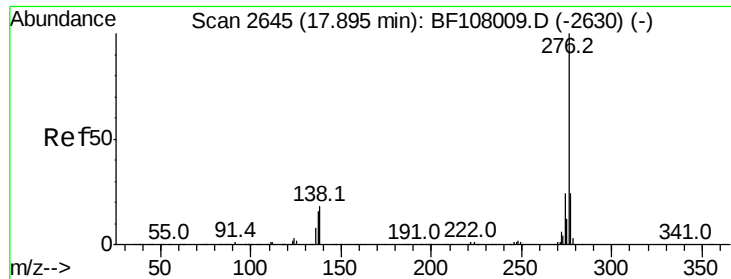
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#89
Benzo(a)pyrene
Concen: 6.370 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108526.D
Acq: 27 Aug 2018 23:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.1	25.7
125	11.1	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 4.982 ng

RT: 17.85 min Scan# 2638

Delta R.T. -0.01 min

Lab File: BF108526.D

Acq: 27 Aug 2018 23:13

Instrument :

BNA_F

ClientSampleId :

BYR-2-E(0-1)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.9	26.9
138	19.1	21.8	32.8#

Manual Integrations
APPROVED

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