

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
 Data File : BF111302.D
 Acq On : 12 Dec 2018 3:21
 Operator : JU/SJ
 Sample : J6195-05 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-121018-A

Manual Integrations
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 12/12/2018 5:30:19 PM

Quant Time: Dec 12 04:49:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 01:15:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	260340	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1030791	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	444903	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	667255	20.00	ng	0.00
76) Chrysene-d12	13.95	240	578575	20.00	ng	0.00
87) Perylene-d12	15.39	264	479979	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	398470	24.17	ng	0.00
7) Phenol-d6	6.42	99	513845	25.08	ng	-0.01
23) Nitrobenzene-d5	7.35	82	288210	15.68	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	82675	20.98	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	535894	14.03	ng	-0.01
79) Terphenyl-d14	12.90	244	374342	15.52	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.55	163	84116	2.562	ng	99
71) Phenanthrene	11.34	178	310771	9.234	ng	92
72) Anthracene	11.39	178	90063	2.558	ng	94
75) Fluoranthene	12.53	202	361446	11.757	ng	96
78) Pyrene	12.75	202	346327	8.376	ng	97
81) Benzo(a)anthracene	13.94	228	191424	5.930	ng	94
83) Chrysene	13.97	228	173808	5.223	ng	97
86) Indeno(1,2,3-cd)pyrene	16.79	276	66717	2.484	ng	94
88) Benzo(b)fluoranthene	14.97	252	204041m	7.687	ng	
89) Benzo(k)fluoranthene	15.00	252	69012m	2.765	ng	
90) Benzo(a)pyrene	15.33	252	147276	6.025	ng	98
92) Benzo(a,h,i)perylene	17.22	276	68771	3.578	ng	98

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

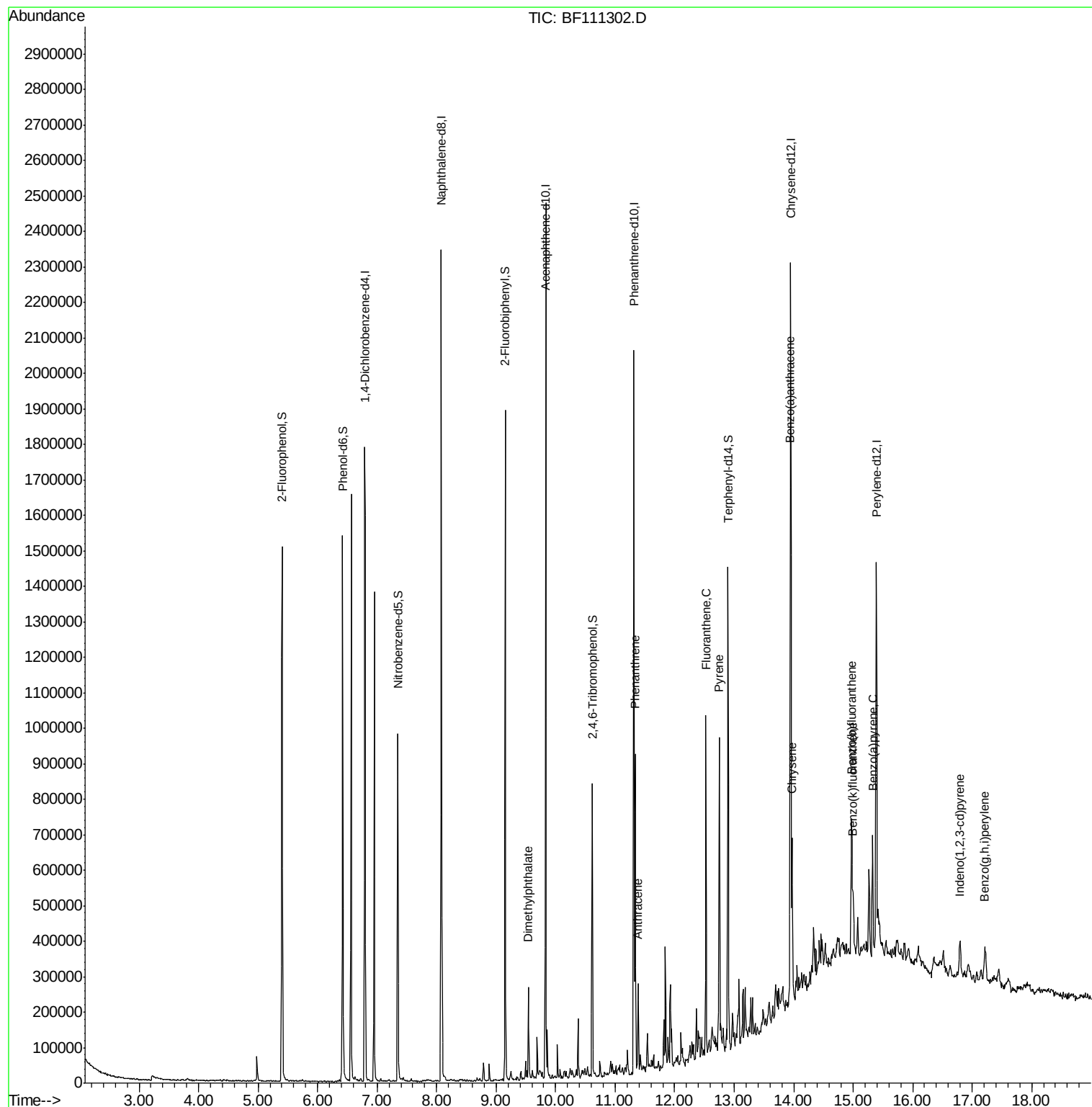
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
Data File : BF111302.D
Acq On : 12 Dec 2018 3:21
Operator : JU/SJ
Sample : J6195-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

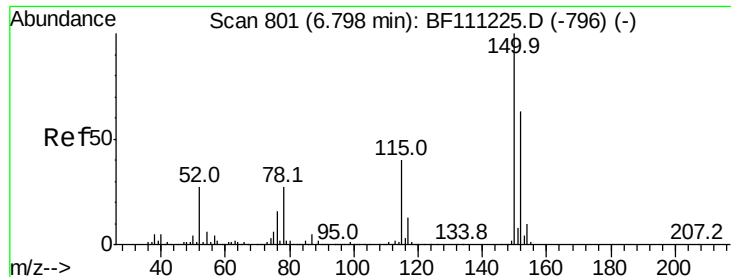
Instrument :
BNA_F
ClientSampleID :
OR-02-121018-A

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

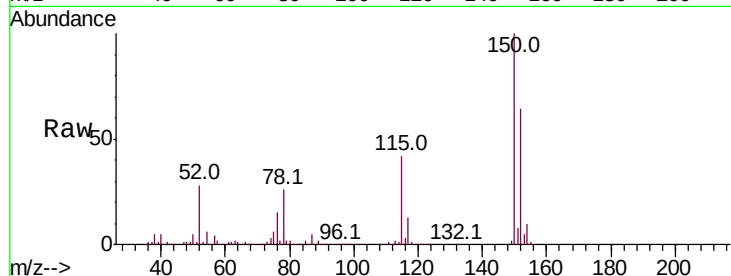
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

Instrument :
BNA_F
ClientSampleId :
OR-02-121018-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	126.6	189.8
115	66.4	50.7	76.1

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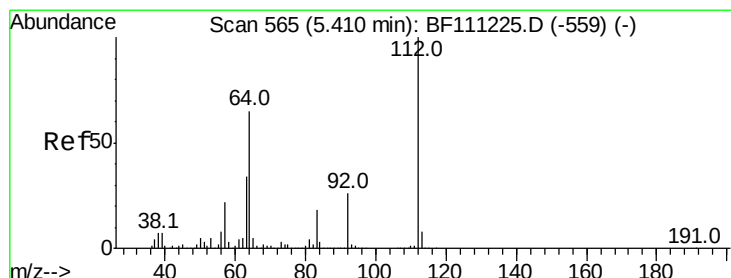
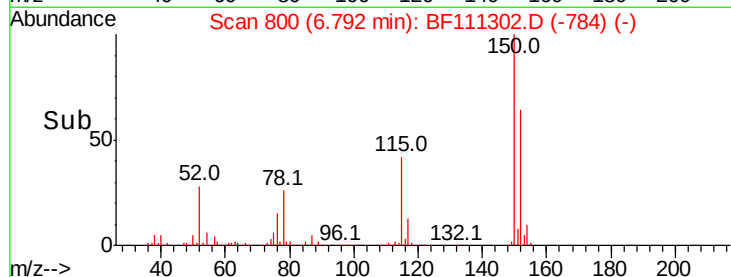
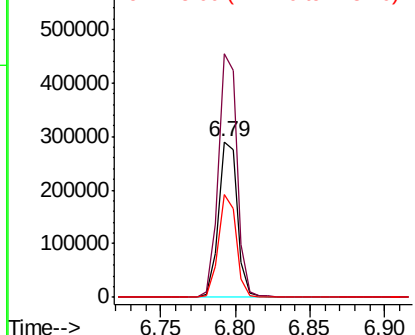


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

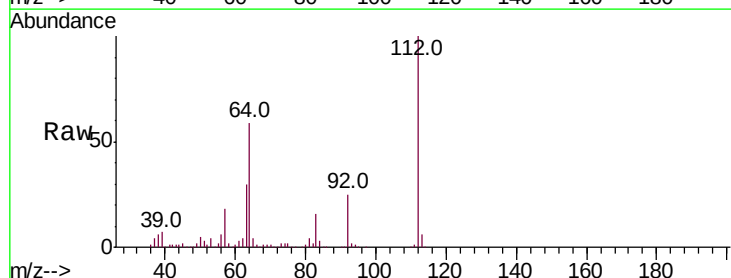
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 24.169 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	51.8	77.6
63	30.0	26.8	40.2

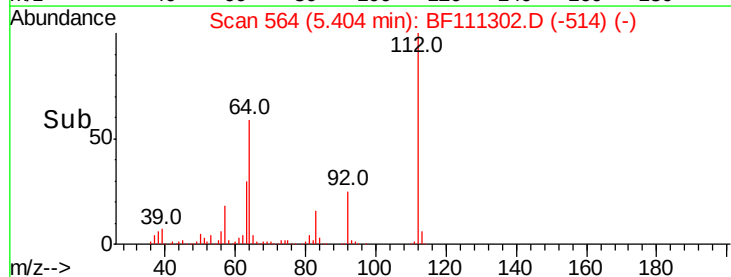
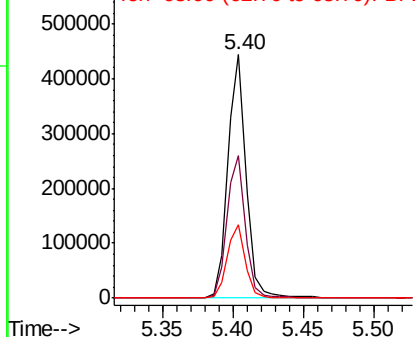


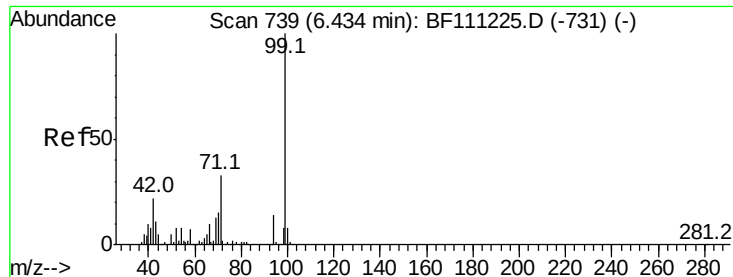
Abundance

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: 25.079 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF111302.D

Acq: 12 Dec 2018 3:21

Instrument :

BNA_F

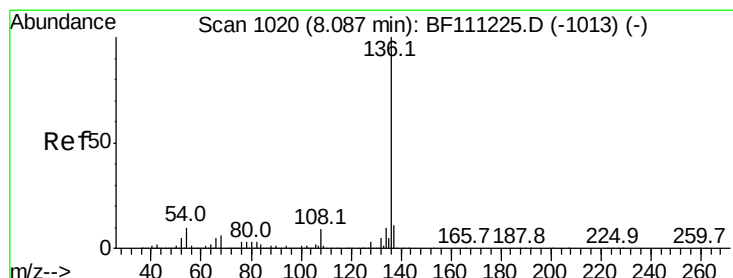
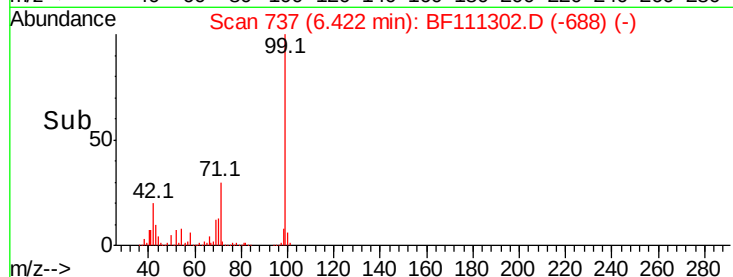
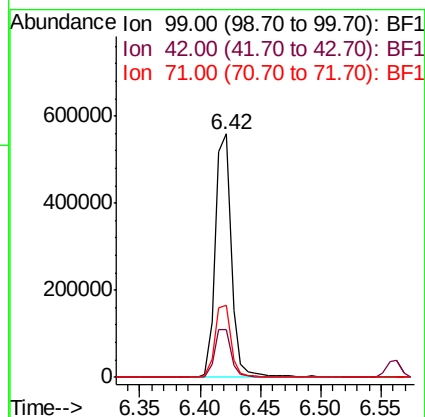
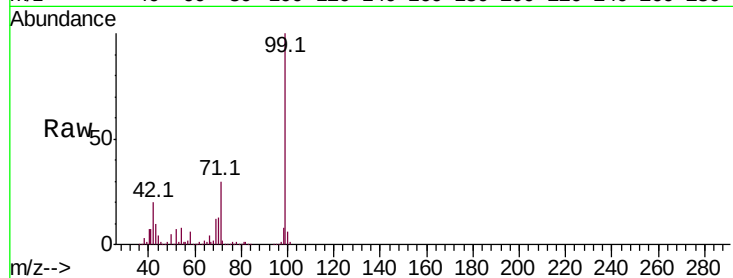
ClientSampleId :

OR-02-121018-A

Tot Ion:	99	Resp:	513845
Ion Ratio	Lower	Upper	
99	100		
42	19.6	17.4	26.0
71	29.6	26.1	39.1

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#21

Naphthalene-d8

Concen: 20.000 ng

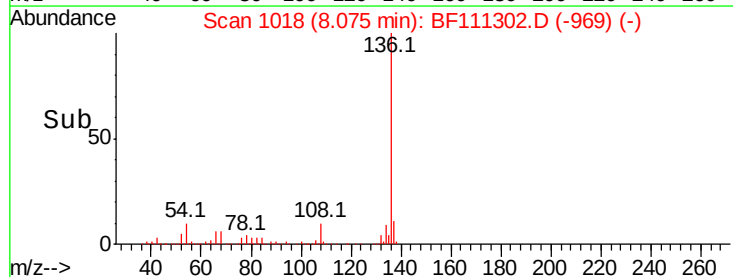
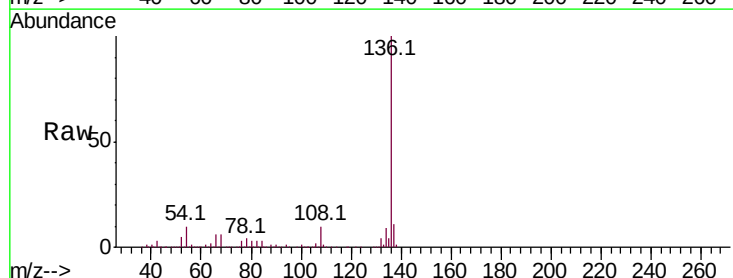
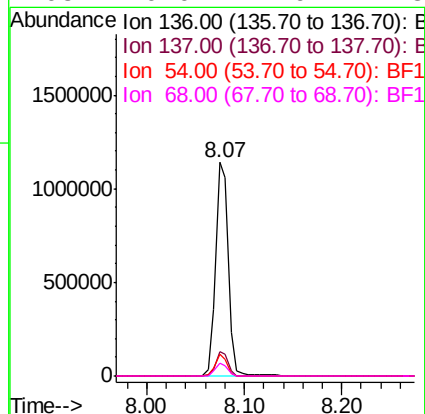
RT: 8.07 min Scan# 1018

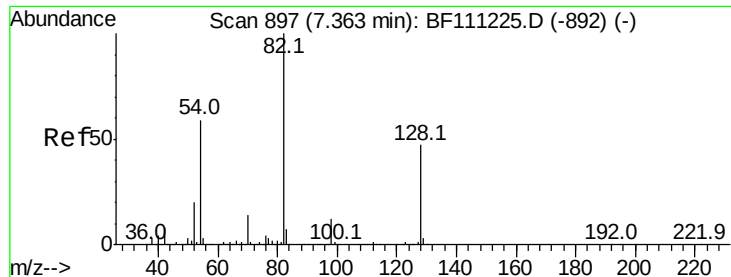
Delta R.T. -0.01 min

Lab File: BF111302.D

Acq: 12 Dec 2018 3:21

Tgt Ion:	136	Resp:	1030791
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.1	13.7
54	10.2	7.7	11.5
68	6.0	4.9	7.3





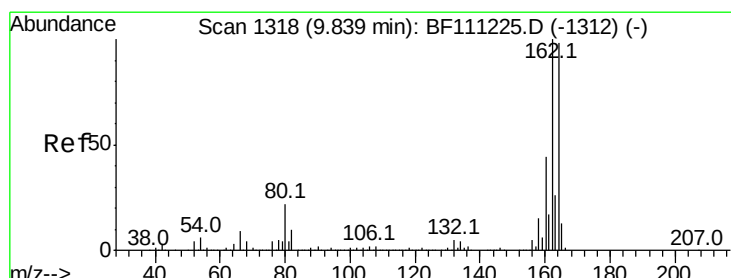
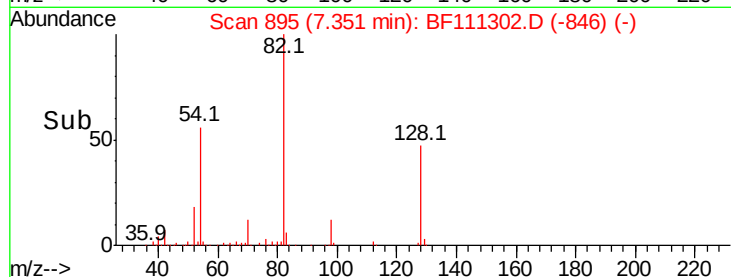
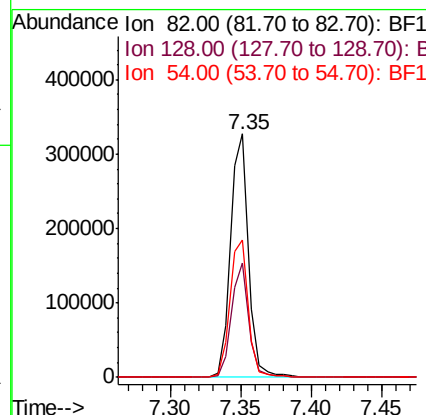
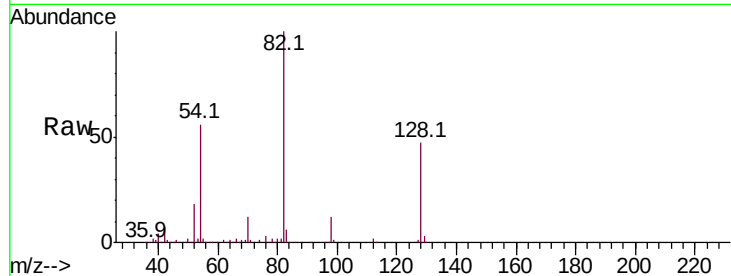
#23
Nitrobenzene-d5
Concen: 15.682 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

Instrument :
BNA_F
ClientSampleId :
OR-02-121018-A

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.1	37.4	56.2	
54	56.4	47.6	71.4	

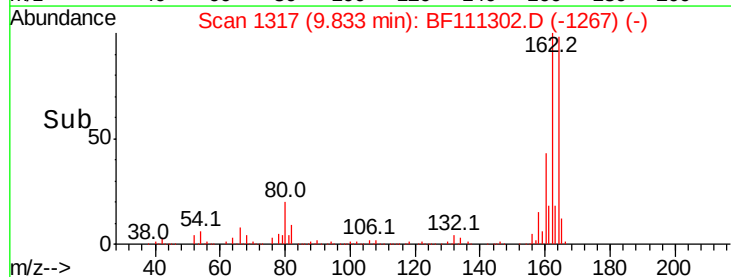
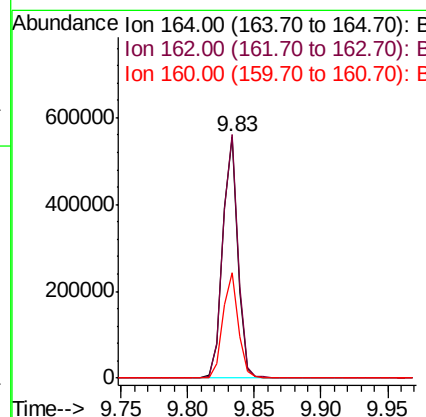
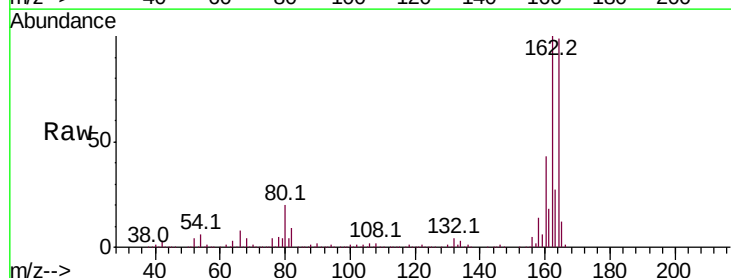
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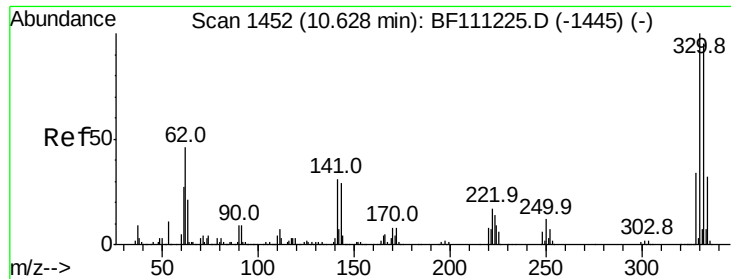
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.0	81.4	122.0	
160	43.8	35.7	53.5	





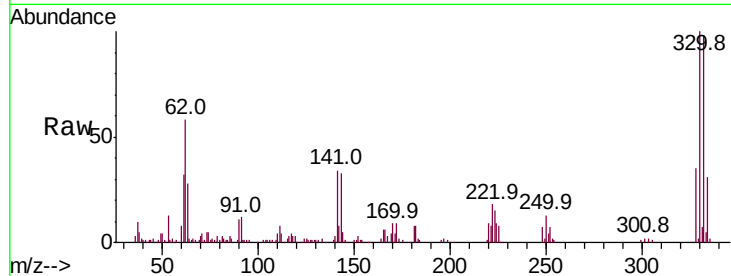
#42
 2,4,6-Tribromophenol
 Concen: 20.978 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111302.D
 Acq: 12 Dec 2018 3:21

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-121018-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.0	76.0	114.0	
141	39.6	31.0	46.6	

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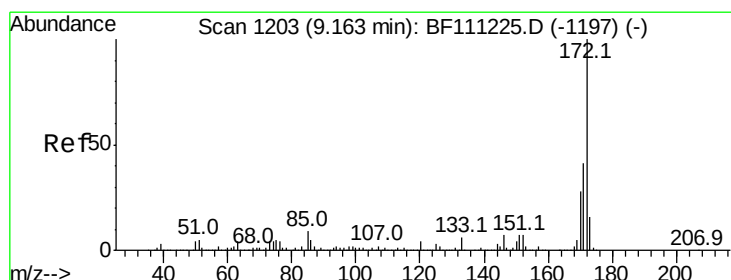
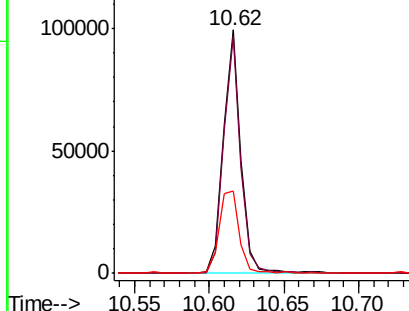
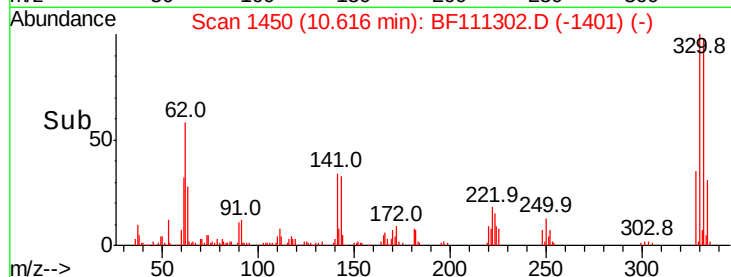


Abundance

Ion 329.80 (329.50 to 330.50): E

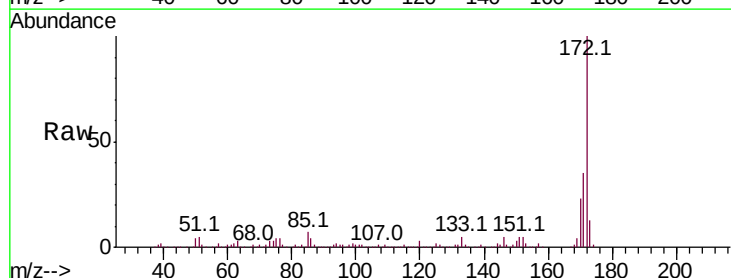
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 14.032 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111302.D
 Acq: 12 Dec 2018 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.9	33.0	49.4	
170	23.1	22.3	33.5	

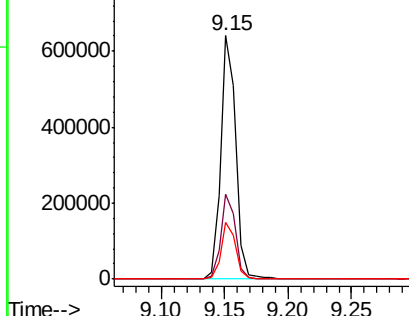
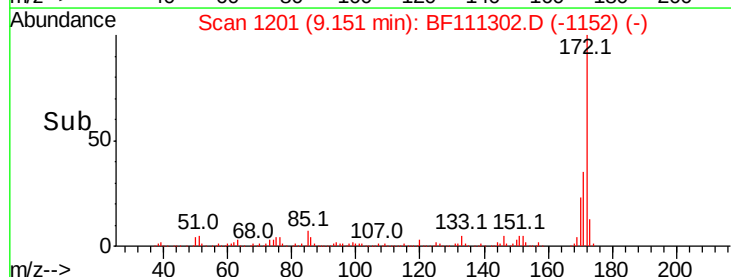


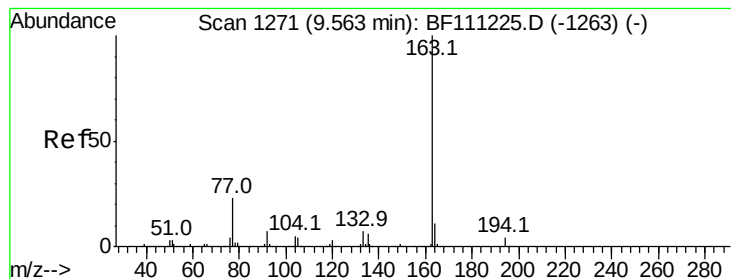
Abundance

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





#50

Dimethylphthalate

Concen: 2.562 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF111302.D

Acq: 12 Dec 2018 3:21

Instrument :

BNA_F

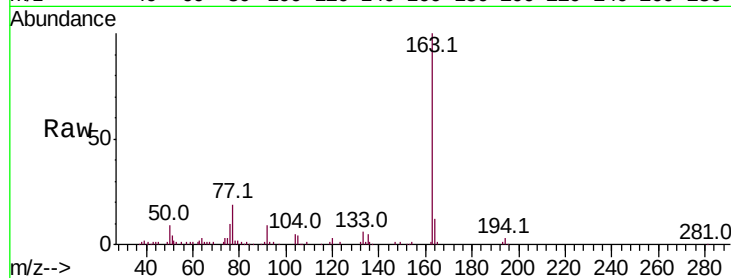
ClientSampleId :

OR-02-121018-A

Tot Ion:	163	Resp:	84116
Ion Ratio	Lower	Upper	
163	100		
194	3.3	3.0	4.6
164	11.5	8.9	13.3

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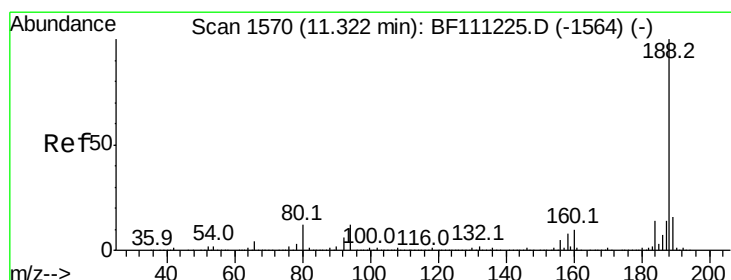
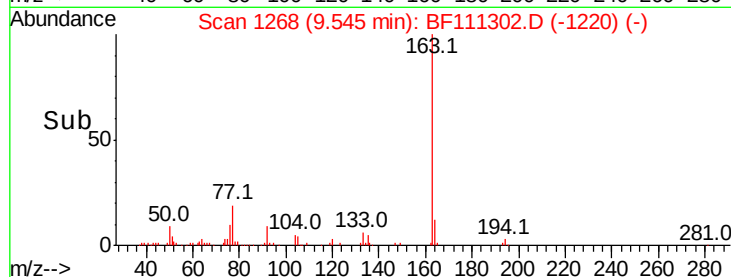
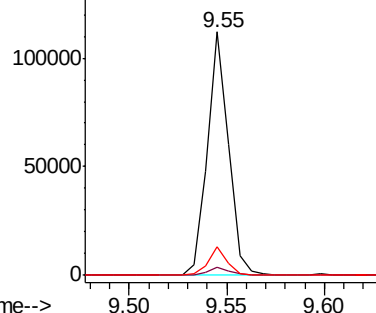


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

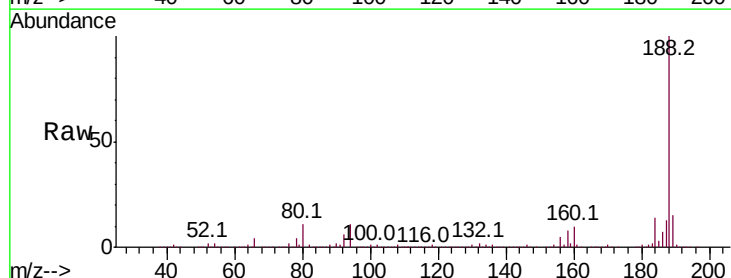
RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF111302.D

Acq: 12 Dec 2018 3:21

Tgt Ion:	188	Resp:	667255
Ion Ratio	Lower	Upper	
188	100		
94	11.0	9.6	14.4
80	10.9	9.8	14.6

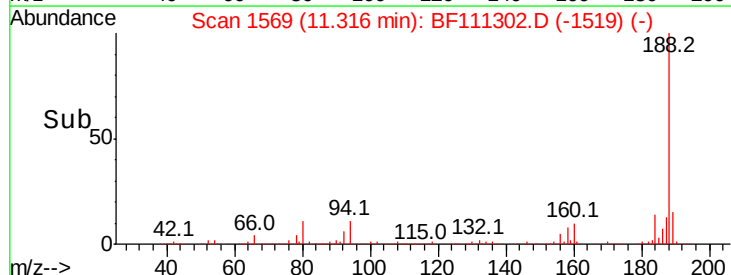
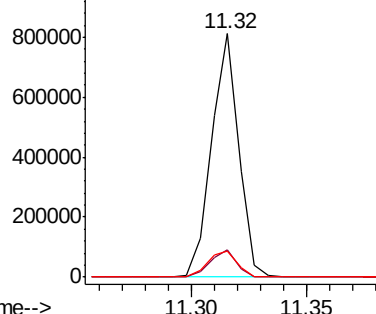


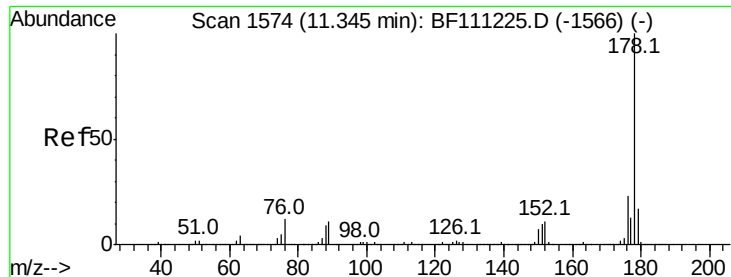
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 9.234 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF111302.D

Acq: 12 Dec 2018 3:21

Instrument :

BNA_F

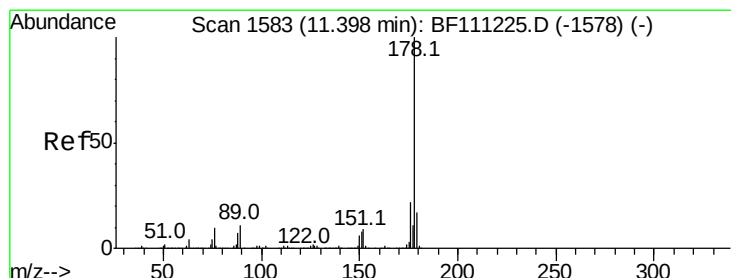
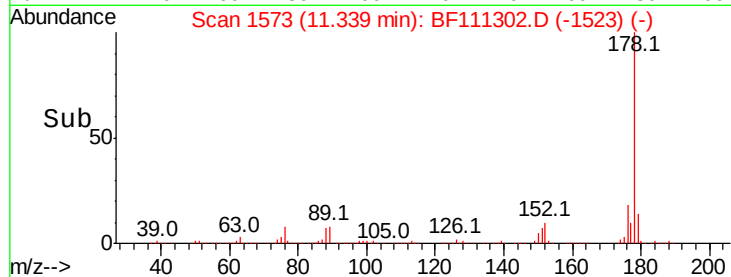
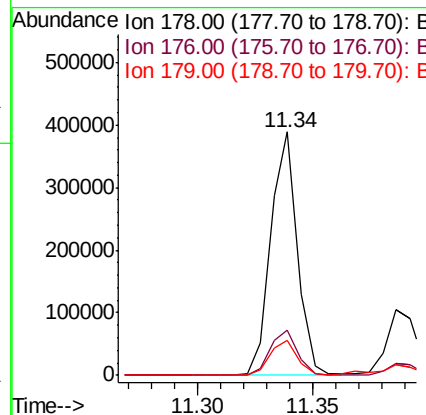
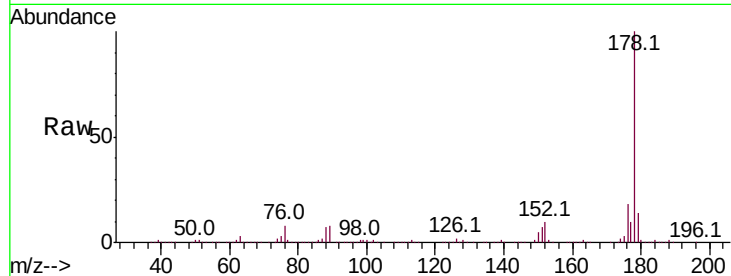
ClientSampleId :

OR-02-121018-A

Tot Ion:178	Resp:	310771
Ion Ratio	Lower	Upper
178	100	
176	18.3	18.1 27.1
179	14.1	14.0 21.0

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#72

Anthracene

Concen: 2.558 ng

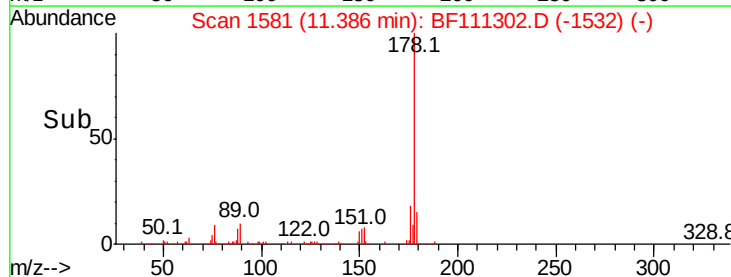
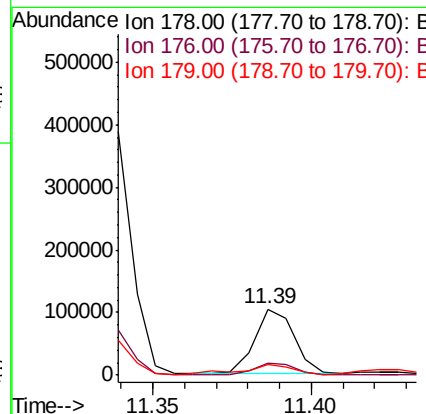
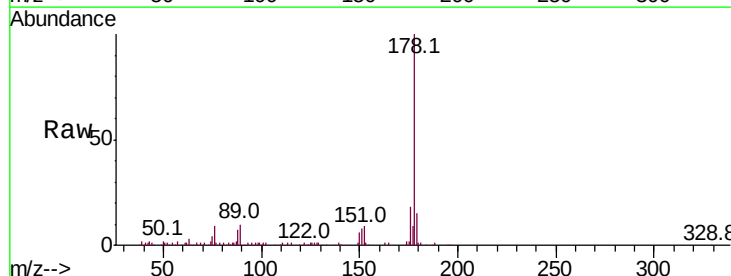
RT: 11.39 min Scan# 1581

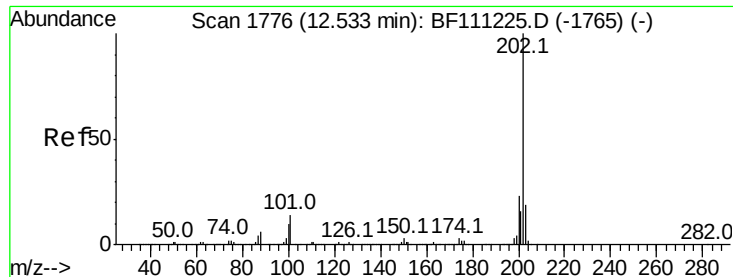
Delta R.T. -0.01 min

Lab File: BF111302.D

Acq: 12 Dec 2018 3:21

Tgt Ion:178	Resp:	90063
Ion Ratio	Lower	Upper
178	100	
176	18.4	17.2 25.8
179	15.4	13.8 20.8





#75

Fluoranthene

Concen: 11.757 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF111302.D

Acq: 12 Dec 2018 3:21

Instrument :

BNA_F

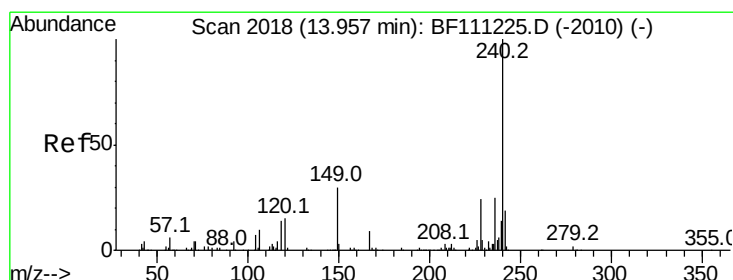
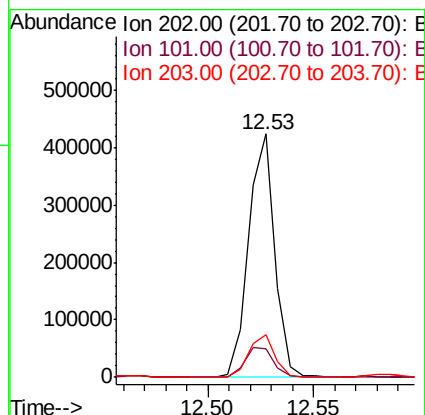
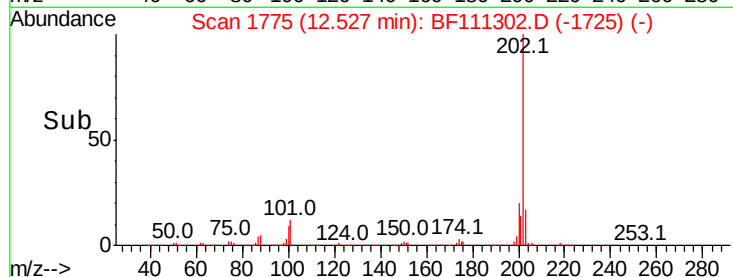
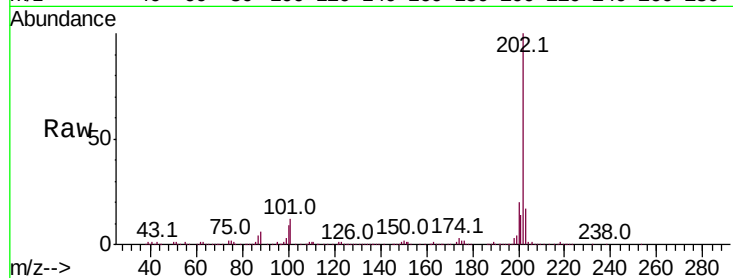
ClientSampleId :

OR-02-121018-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	12.0	0.0	33.8		
203	17.3	0.0	38.6		

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#76

Chrysene-d12

Concen: 20.000 ng

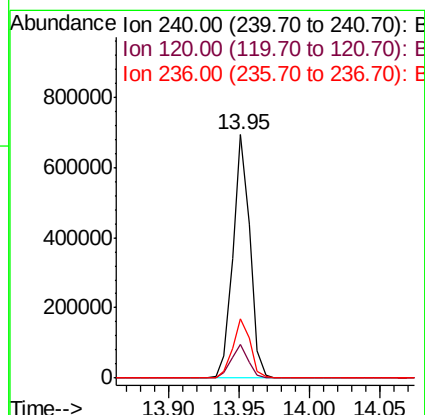
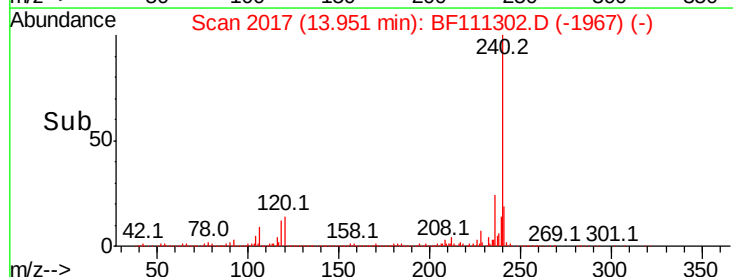
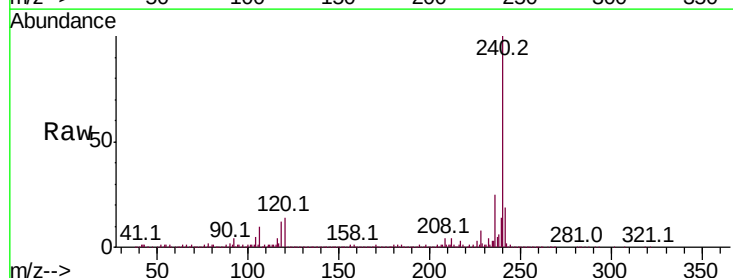
RT: 13.95 min Scan# 2017

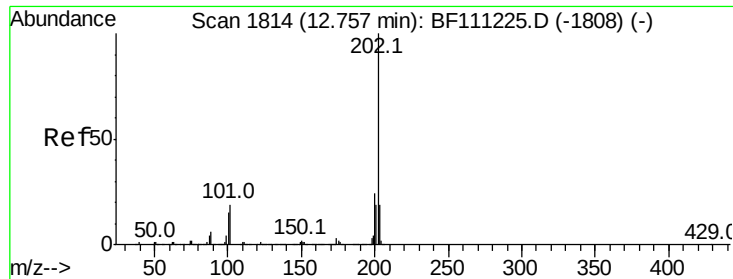
Delta R.T. -0.01 min

Lab File: BF111302.D

Acq: 12 Dec 2018 3:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	13.6	12.2	18.2		
236	24.5	20.2	30.2		





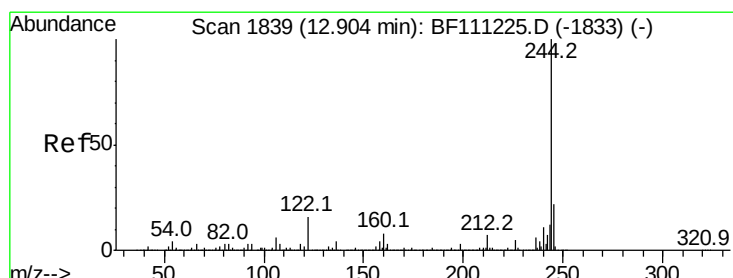
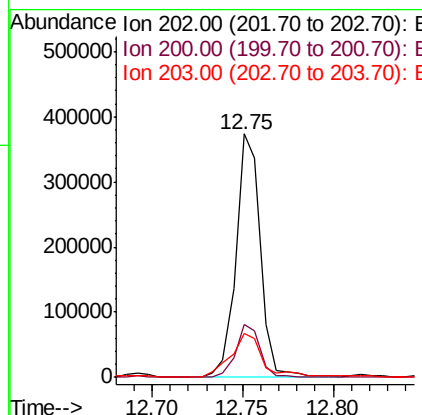
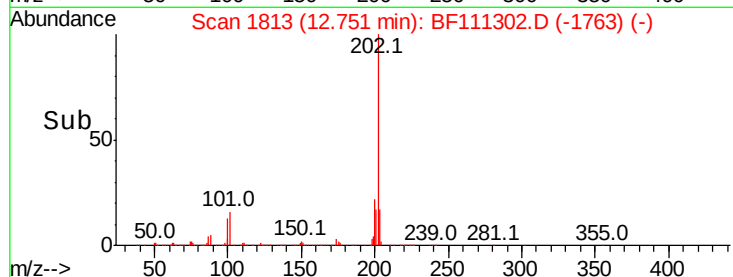
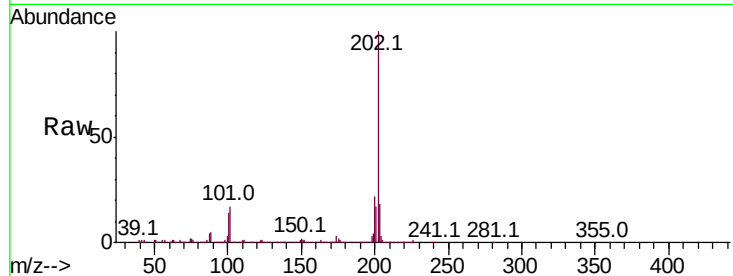
#78
Pvrene
Concen: 8.376 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

Instrument :
BNA_F
ClientSampleId :
OR-02-121018-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.8	19.0	28.4
203	18.1	15.2	22.8

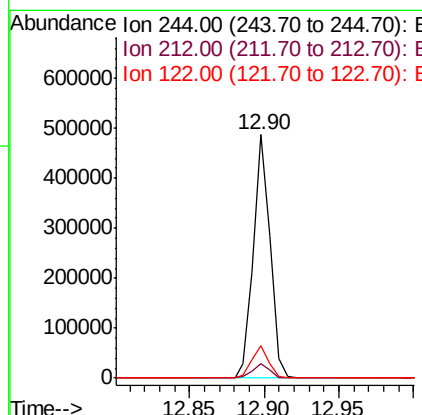
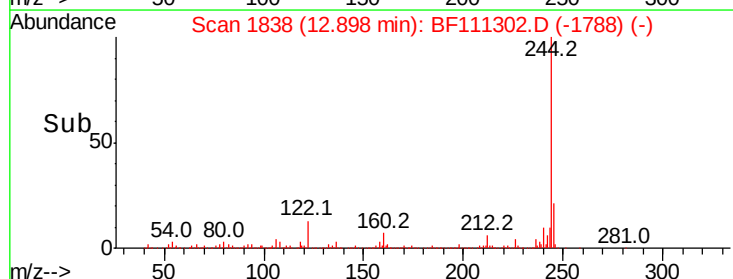
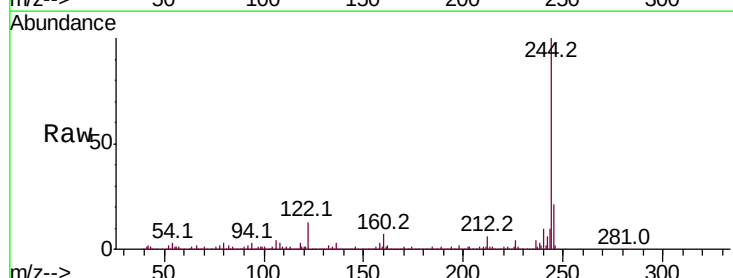
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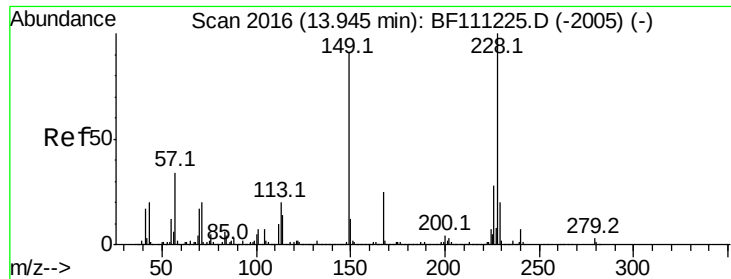
Sohil
12/12/2018 5:30:19 PM



#79
Terphenyl-d14
Concen: 15.519 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.0	5.7	8.5
122	13.5	13.1	19.7





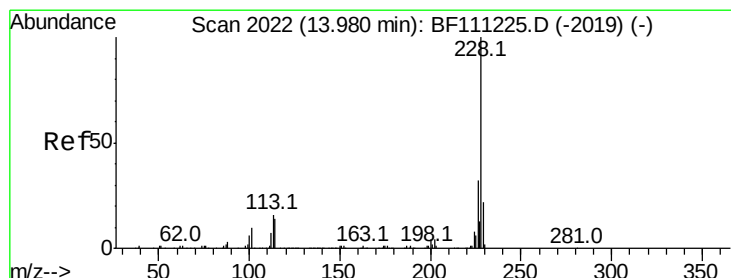
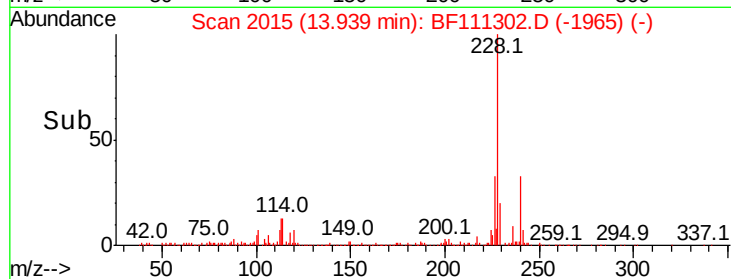
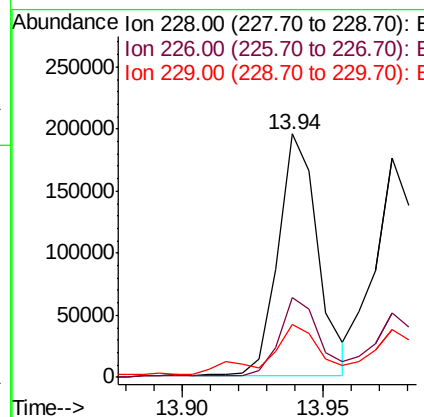
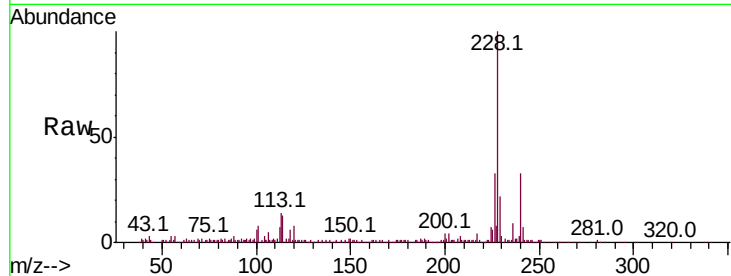
#81
Benzo(a)anthracene
Concen: 5.930 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

Instrument :
BNA_F
ClientSampleId :
OR-02-121018-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.0	22.6	34.0
229	21.6	16.3	24.5

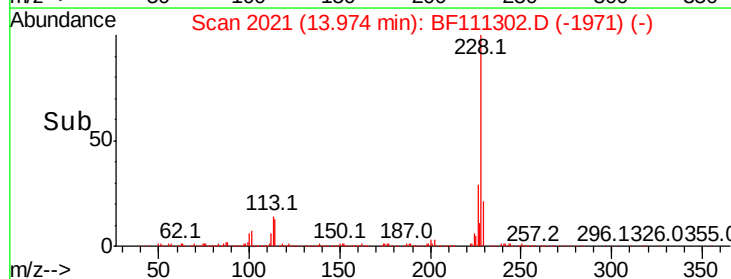
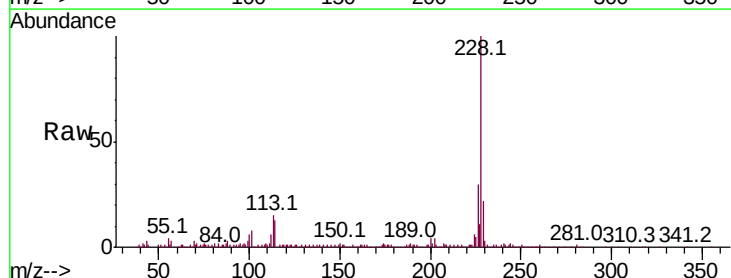
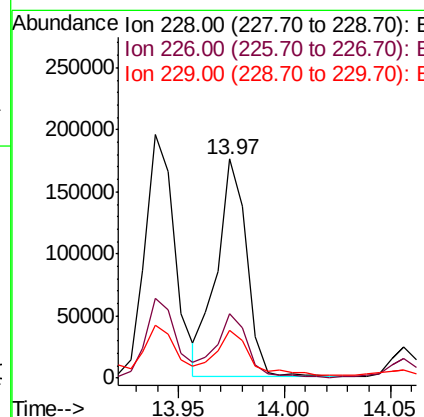
Manual Integrations
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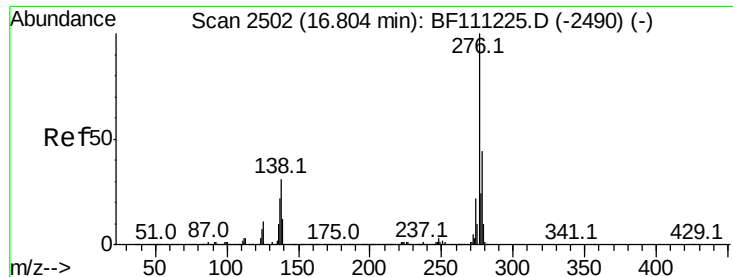
Sohil
12/12/2018 5:30:19 PM



#83
Chrysene
Concen: 5.223 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.3	37.9
229	22.0	17.2	25.8





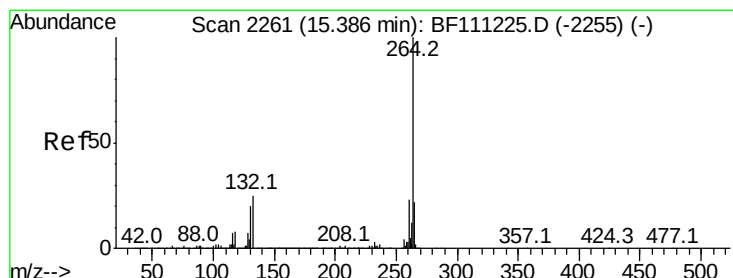
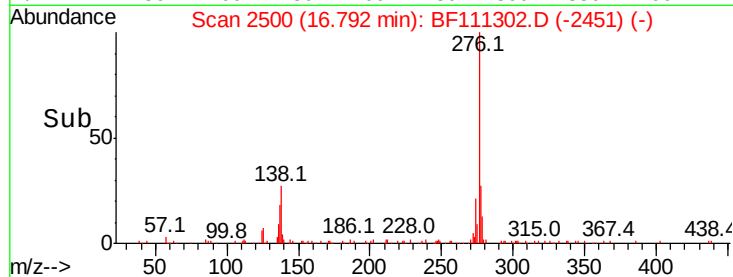
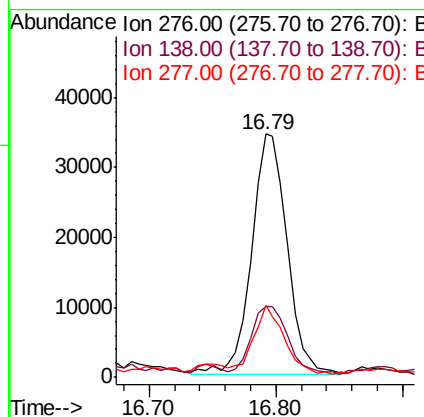
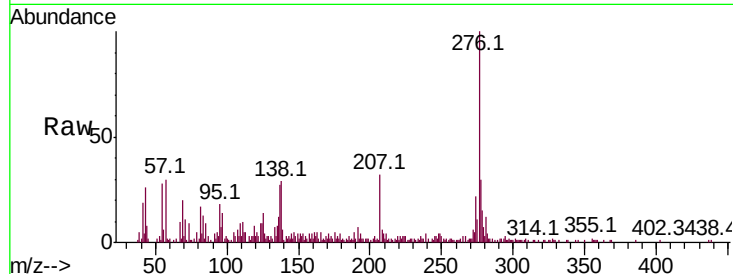
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.484 ng
RT: 16.79 min Scan# 2500
Delta R.T. -0.01 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

Instrument :
BNA_F
ClientSampleId :
OR-02-121018-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.2	27.8	41.6
277	24.6	20.1	30.1

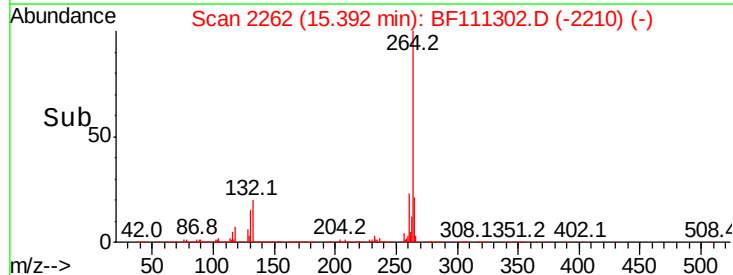
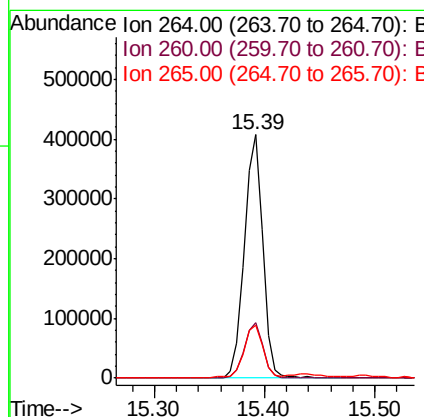
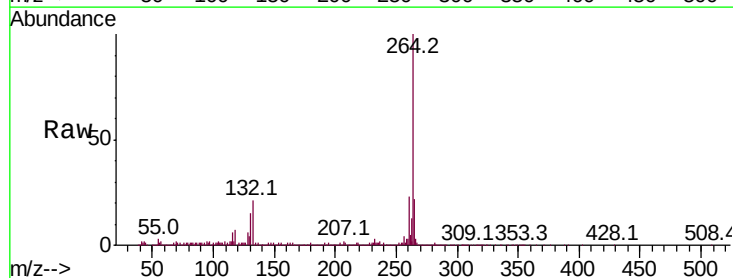
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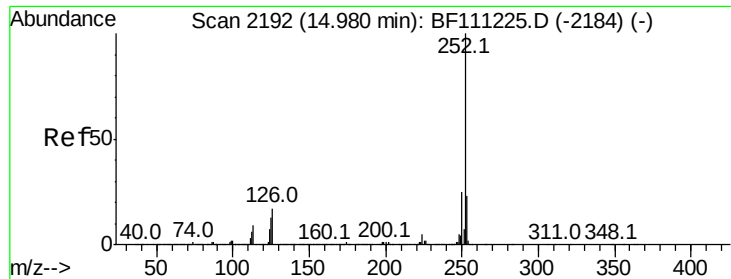
Sohil
12/12/2018 5:30:19 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.3	27.5
265	21.7	17.7	26.5





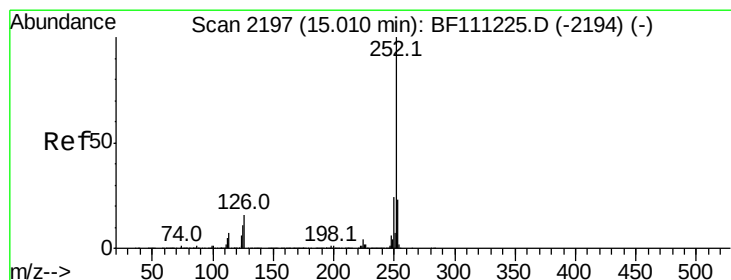
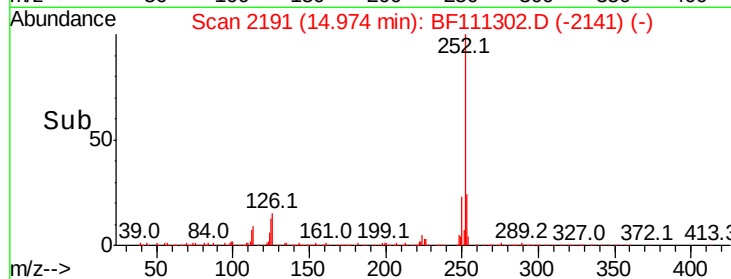
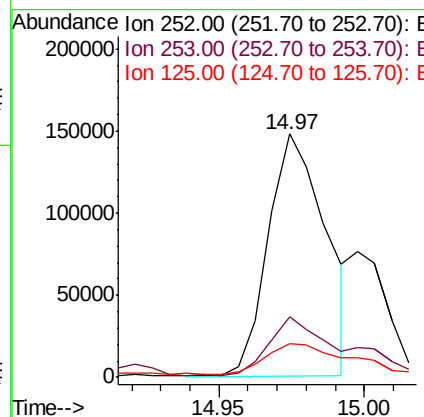
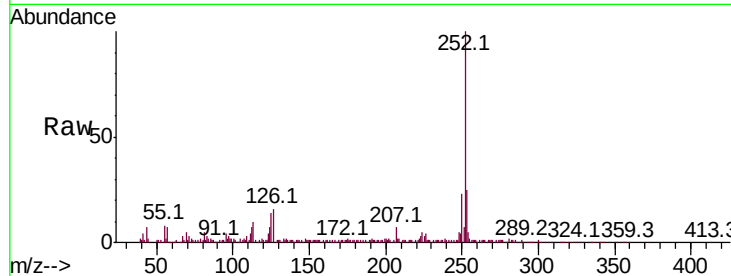
#88
Benzo(b)fluoranthene
Concen: 7.687 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

Instrument :
BNA_F
ClientSampleId :
OR-02-121018-A

Tot Ion	Ratio	Resp	Lower	Upper
252	100	204041		
253	24.6	18.2	27.2	
125	14.1	10.4	15.6	

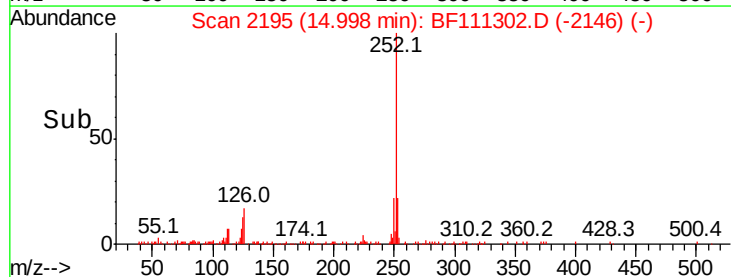
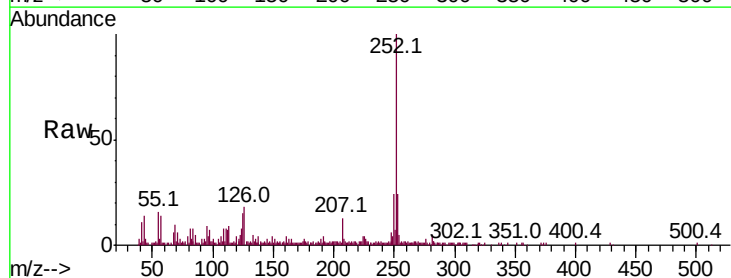
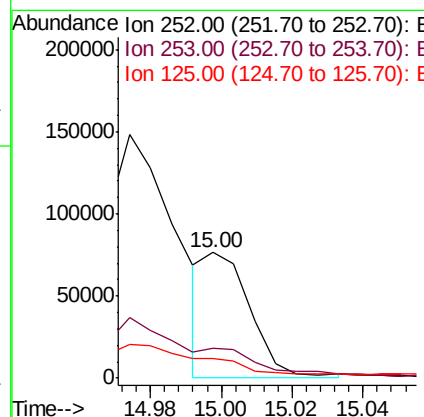
Manual Integrations
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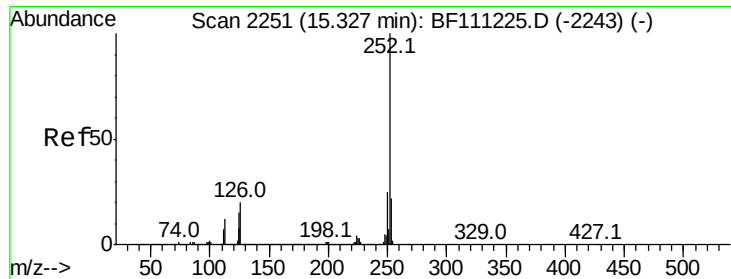
Sohil
12/12/2018 5:30:19 PM



#89
Benzo(k)fluoranthene
Concen: 2.765 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	69012		
253	23.9	18.1	27.1	
125	15.5	9.8	14.8#	





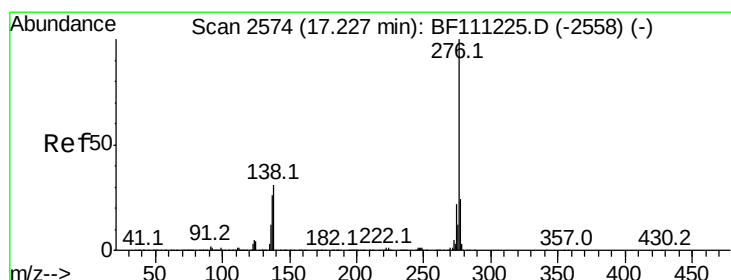
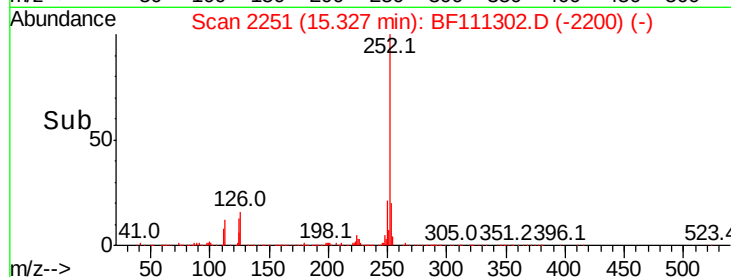
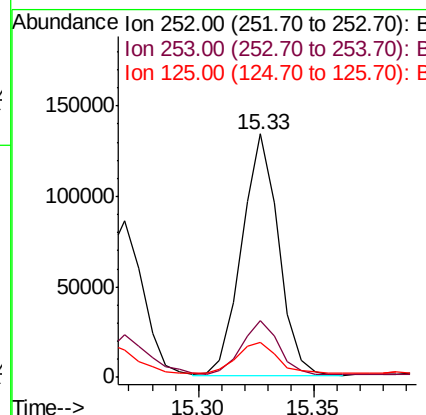
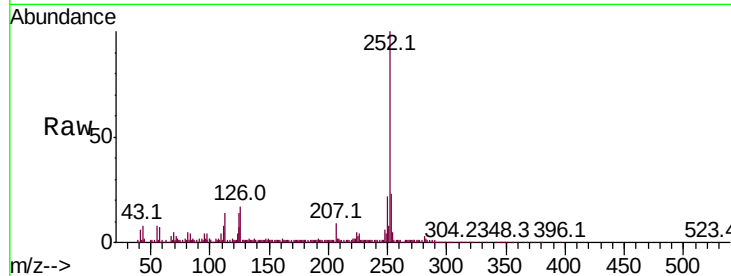
#90
Benzo(a)pyrene
Concen: 6.025 ng
RT: 15.33 min Scan# 2251
Delta R.T. -0.00 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

Instrument :
BNA_F
ClientSampleId :
OR-02-121018-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	14.4	12.3	18.5

Manual Integrations
APPROVED

Sohil
12/12/2018 5:30:19 PM



#92
Benzo(g,h,i)perylene
Concen: 3.578 ng
RT: 17.22 min Scan# 2572
Delta R.T. -0.01 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.2	28.8
138	29.4	24.9	37.3

