

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
 Data File : BF111304.D
 Acq On : 12 Dec 2018 4:16
 Operator : JU/SJ
 Sample : J6195-07 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Dec 12 04:53:13 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	6.80	152	259183	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	999306	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	433288	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	652833	20.00	ng	0.00
76) Chrysene-d12	13.95	240	553843	20.00	ng	0.00
87) Perylene-d12	15.39	264	391997	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	347210	21.15	ng	0.00
7) Phenol-d6	6.42	99	447902	21.96	ng	-0.01
23) Nitrobenzene-d5	7.35	82	255929	14.36	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	71029	18.51	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	464333	11.96	ng	-0.01
79) Terphenyl-d14	12.90	244	347047	15.03	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.10	128	120960	2.773	ng	95
52) Acenaphthene	9.86	154	59810	2.316	ng	98
58) Fluorene	10.38	166	124429	4.576	ng	100
71) Phenanthrene	11.34	178	799739	24.287	ng	94
72) Anthracene	11.39	178	216570	6.287	ng	93
73) Carbazole	11.54	167	92906	2.579	ng	94
75) Fluoranthene	12.53	202	805397	26.775	ng	98
78) Pyrene	12.76	202	694794	17.555	ng	96
81) Benzo(a)anthracene	13.94	228	312807	10.124	ng	96
83) Chrysene	13.98	228	281857	8.848	ng	97
86) Indeno(1,2,3-cd)pyrene	16.80	276	84448	3.284	ng	# 91
88) Benzo(b)fluoranthene	14.97	252	240740m	11.105	ng	
89) Benzo(k)fluoranthene	15.00	252	91242m	4.477	ng	
90) Benzo(a)pyrene	15.33	252	173118	8.672	ng	95
92) Benzo(a,h,i)perylene	17.23	276	79300	5.052	ng	96

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

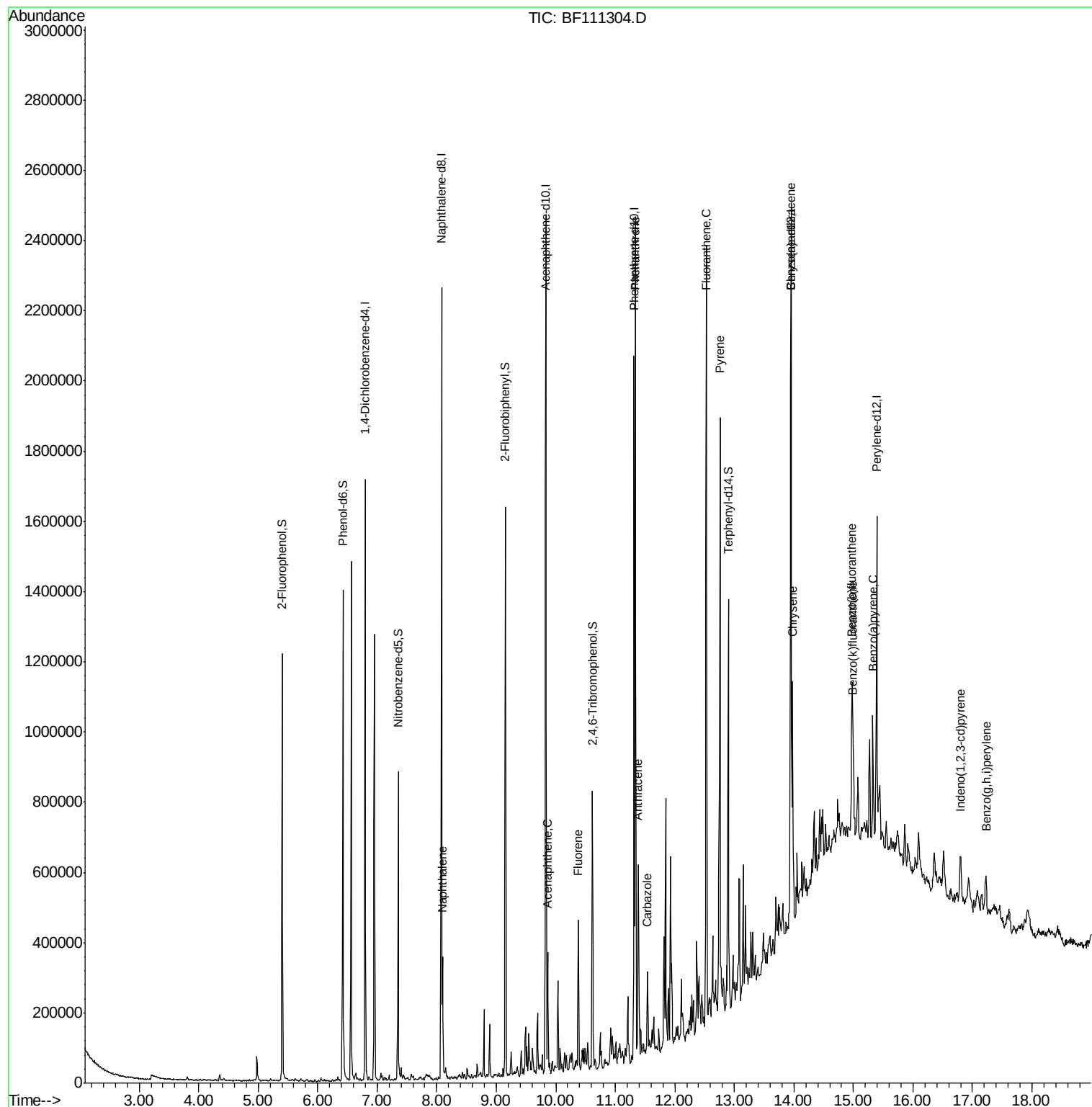
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
Data File : BF111304.D
Acq On : 12 Dec 2018 4:16
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Sample : J6195-07 5X
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ALS Vial : 23 Sample Multiplier: 1

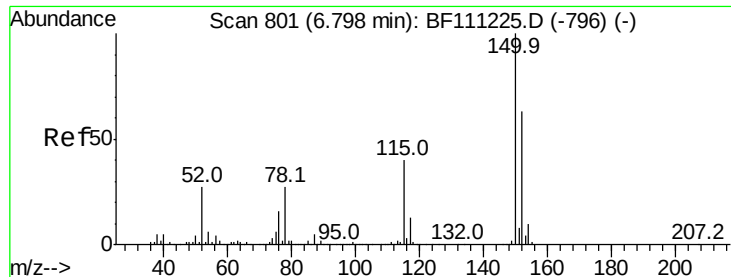
Instrument :
BNA_F
ClientSampleId :
OR-02-121018-B

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Quant Time: Dec 12 04:53:13 2018
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

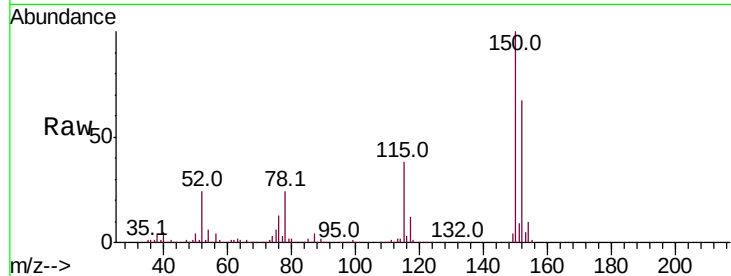
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF111304.D
Acq: 12 Dec 2018 4:16

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.5	126.6	189.8
115	57.1	50.7	76.1

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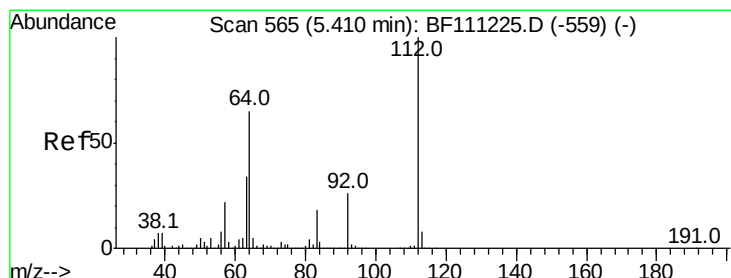
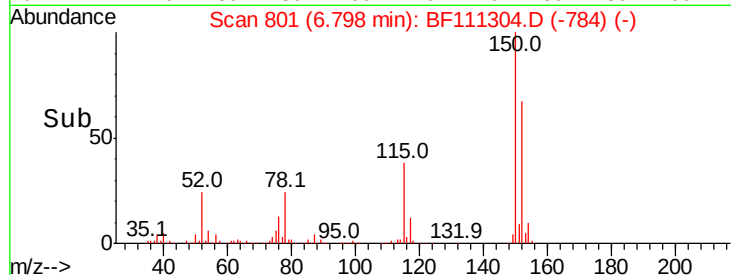
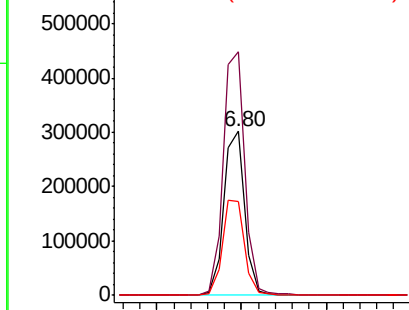


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

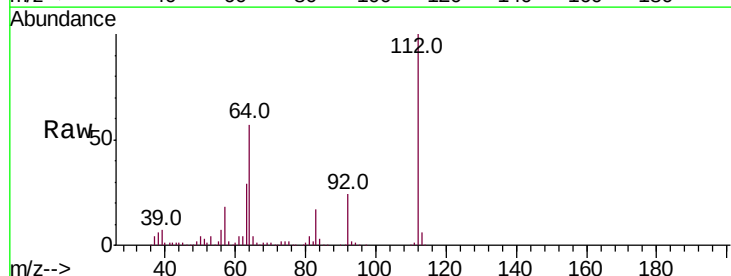
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 21.154 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF111304.D
Acq: 12 Dec 2018 4:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	51.8	77.6
63	29.4	26.8	40.2

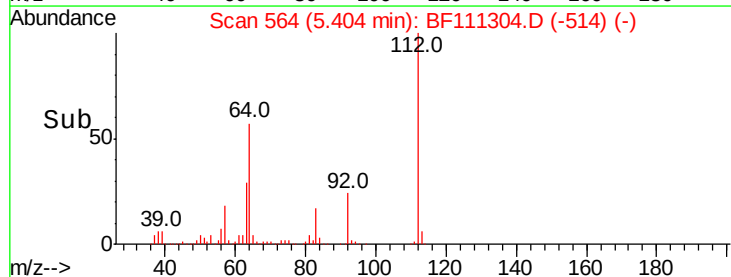
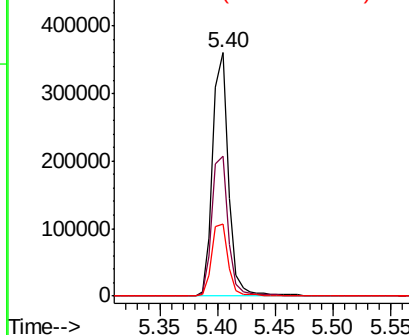


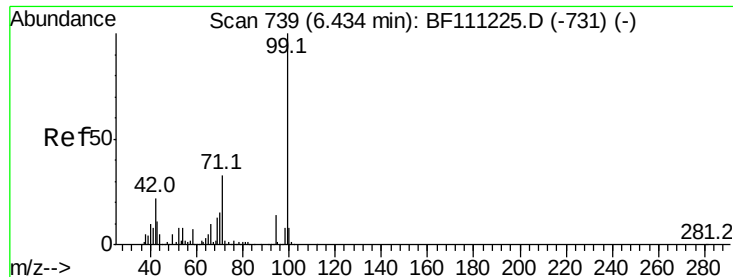
Abundance

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: 21.958 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF111304.D

Acq: 12 Dec 2018 4:16

Instrument :

BNA_F

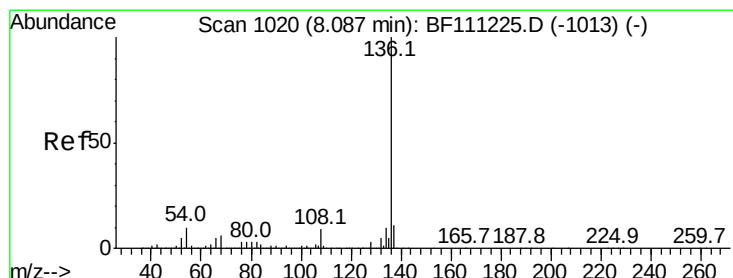
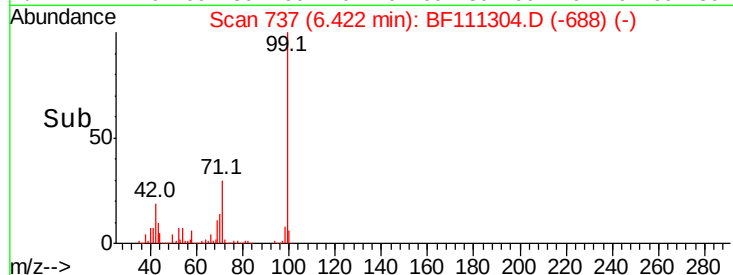
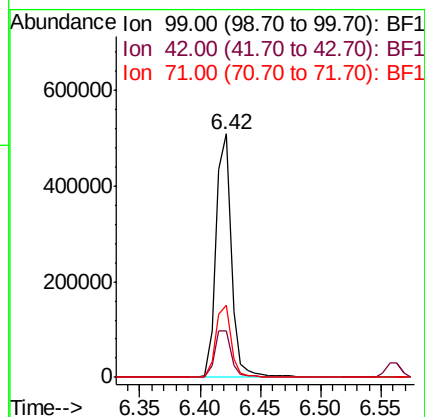
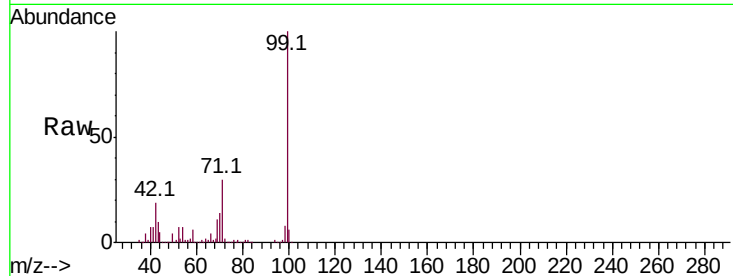
ClientSampled :

OR-02-121018-B

Tot Ion:	99	Resp:	447902
Ion Ratio	Lower	Upper	
99	100		
42	19.3	17.4	26.0
71	29.6	26.1	39.1

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#21

Naphthalene-d8

Concen: 20.000 ng

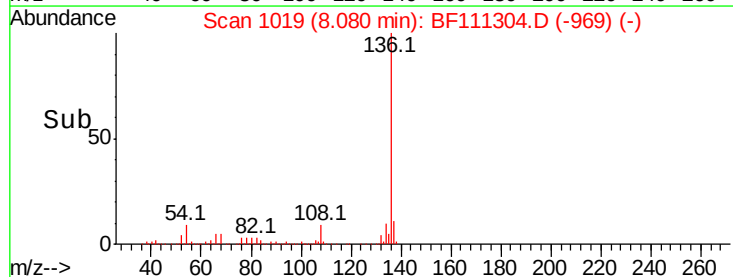
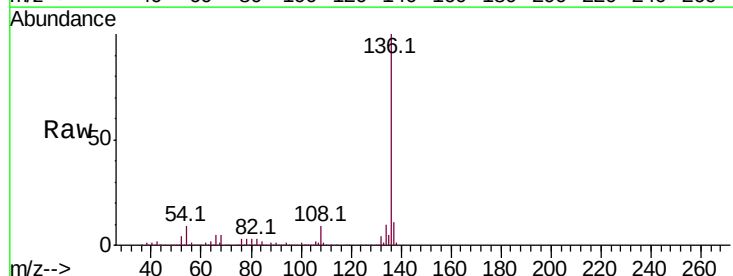
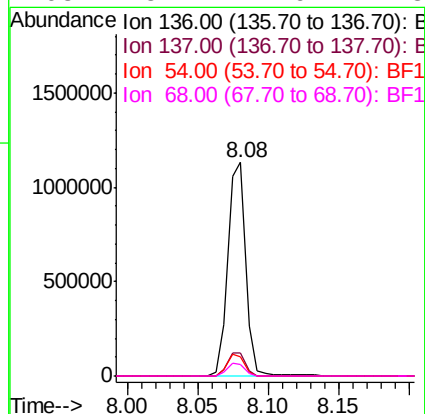
RT: 8.08 min Scan# 1019

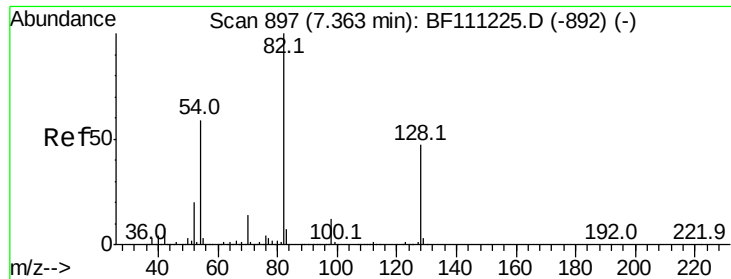
Delta R.T. -0.01 min

Lab File: BF111304.D

Acq: 12 Dec 2018 4:16

Tgt Ion:	136	Resp:	999306
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.1	13.7
54	8.7	7.7	11.5
68	5.4	4.9	7.3





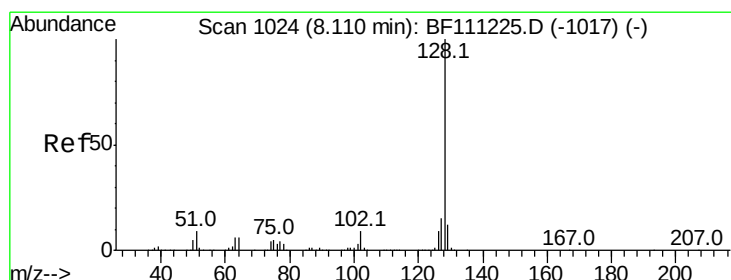
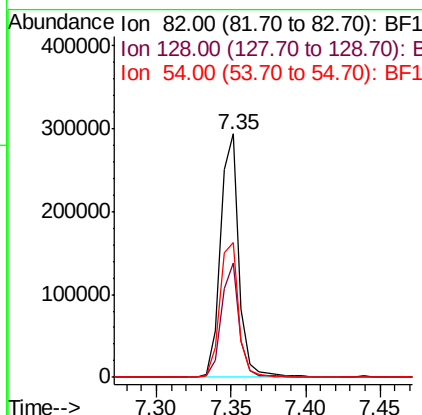
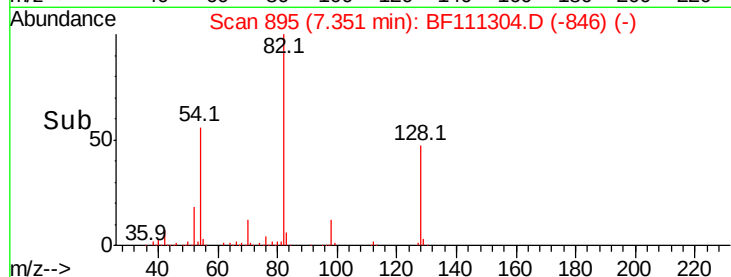
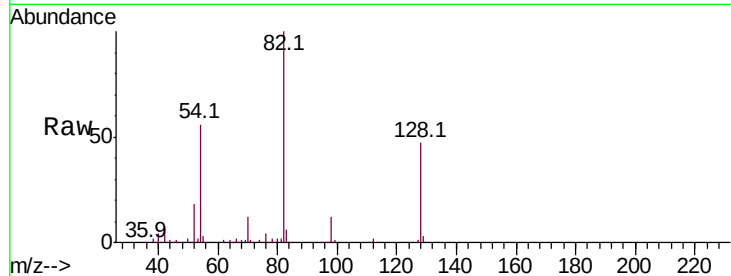
#23
Nitrobenzene-d5
Concen: 14.365 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111304.D
Acq: 12 Dec 2018 4:16

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100	255929		
128	46.9		37.4	56.2
54	55.6		47.6	71.4

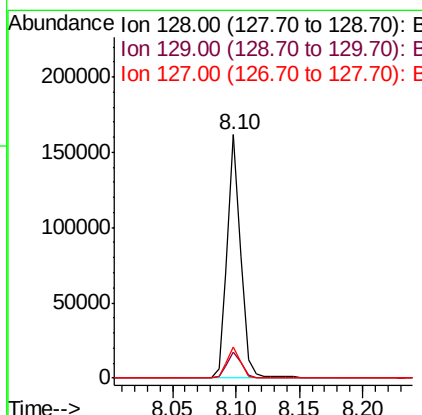
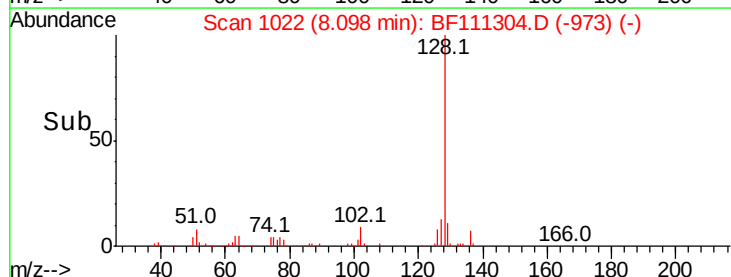
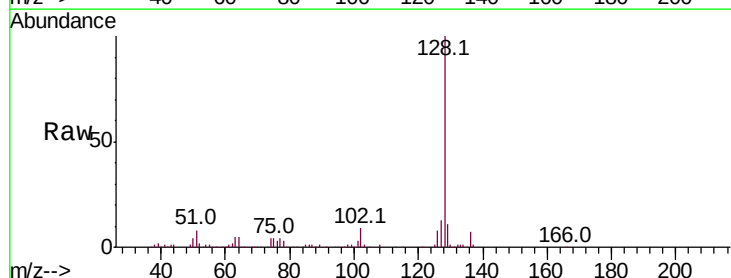
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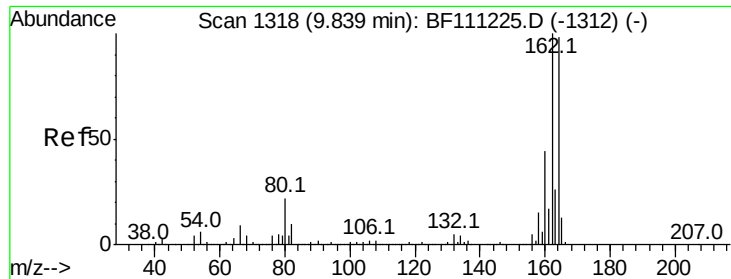
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#31
Naphthalene
Concen: 2.773 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF111304.D
Acq: 12 Dec 2018 4:16

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	120960		
129	10.8		9.8	14.8
127	12.6		12.0	18.0





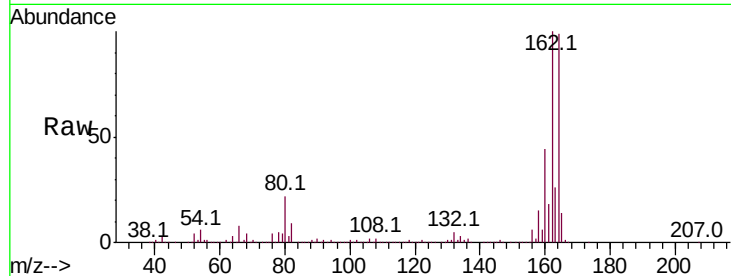
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF111304.D
Acq: 12 Dec 2018 4:16

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

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.7	81.4	122.0	
160	44.0	35.7	53.5	

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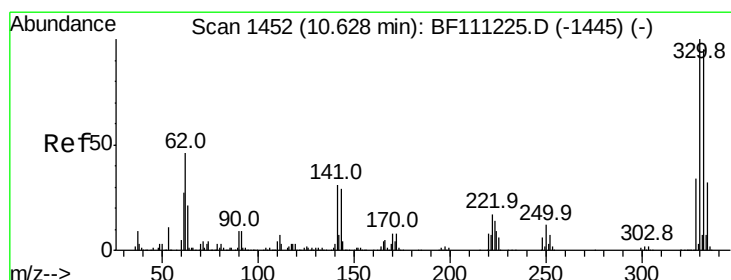
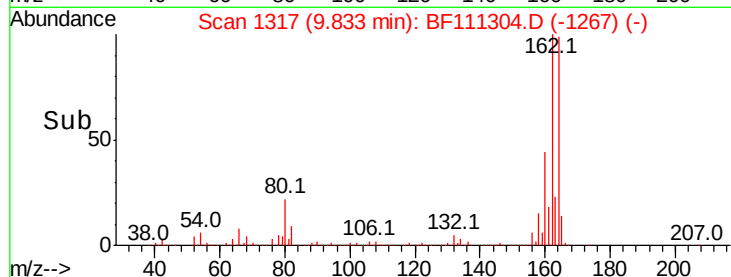
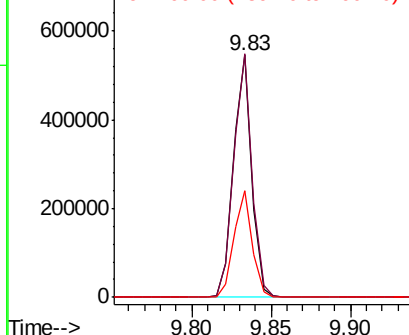


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 18.506 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111304.D
Acq: 12 Dec 2018 4:16

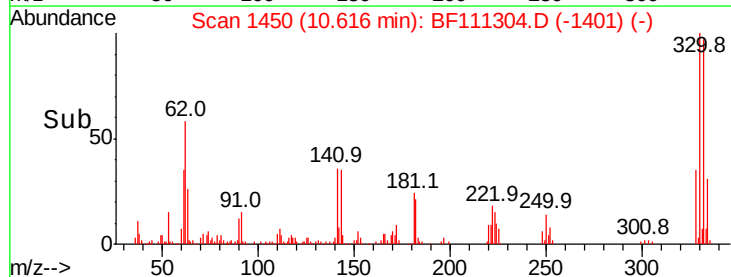
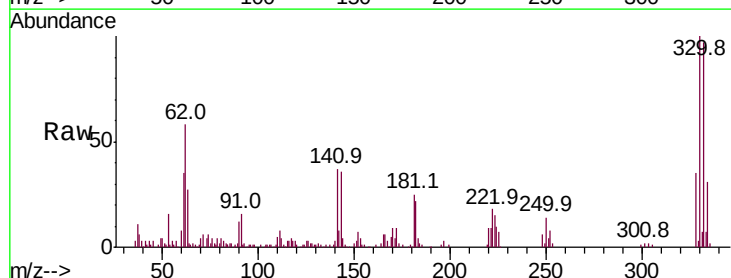
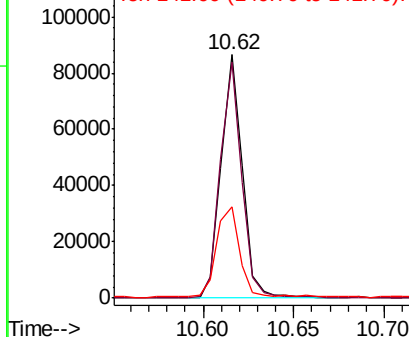
Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.3	76.0	114.0	
141	39.6	31.0	46.6	

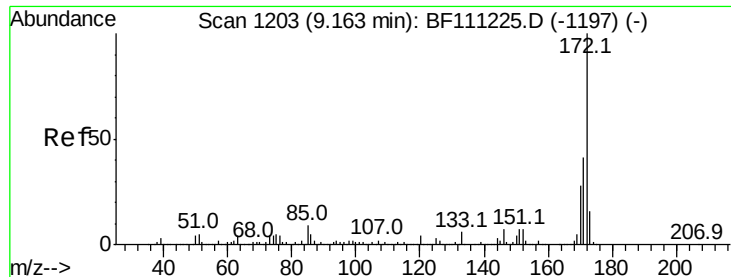
Abundance

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





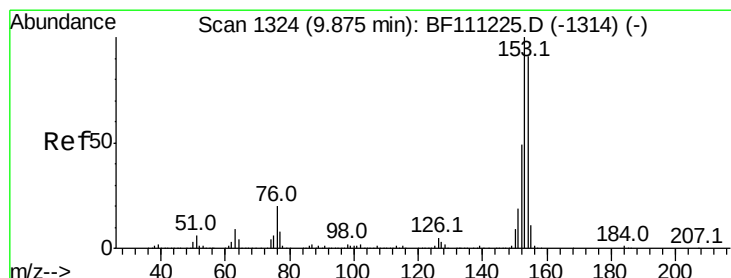
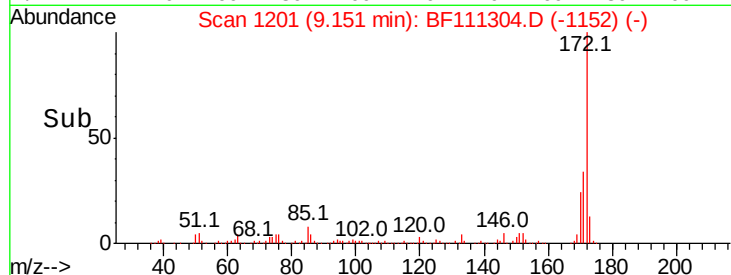
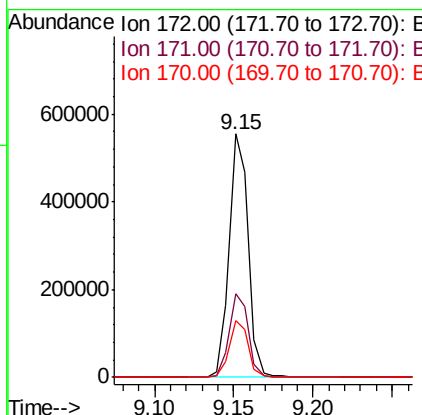
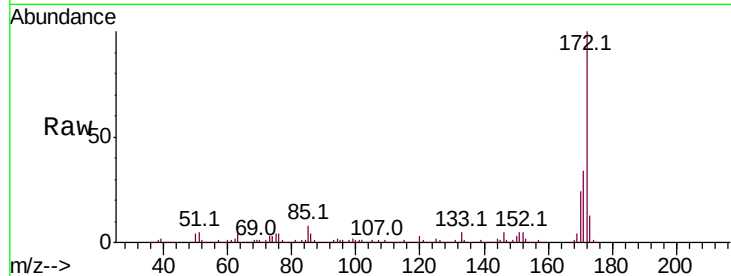
#45
2-Fluorobiphenyl
Concen: 11.961 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111304.D
Acq: 12 Dec 2018 4:16

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

Tot Ion	Ratio	Resp	Lower	Upper
172	100	464333		
171	34.4		33.0	49.4
170	23.6		22.3	33.5

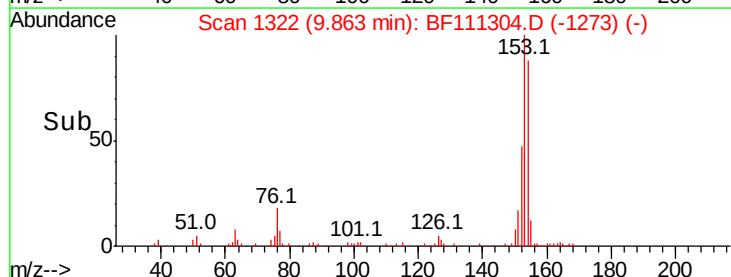
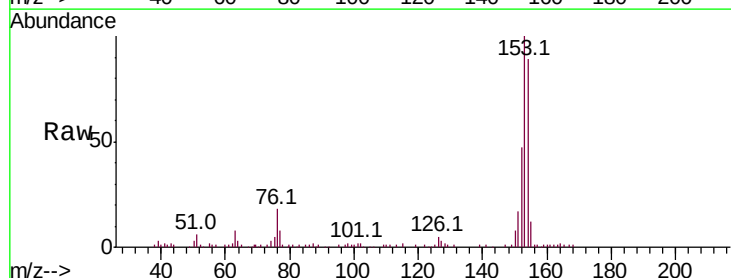
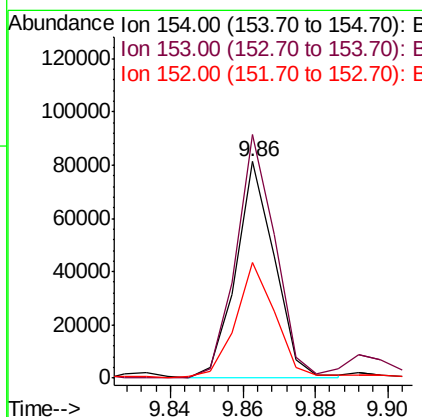
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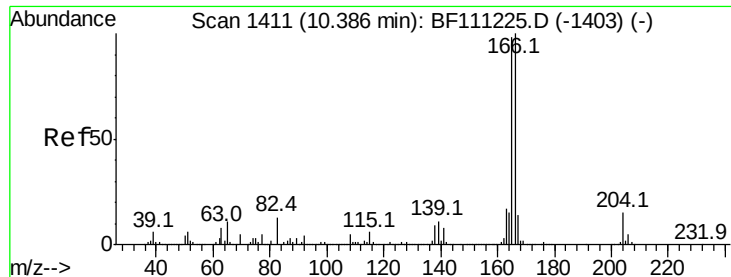
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#52
Acenaphthene
Concen: 2.316 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF111304.D
Acq: 12 Dec 2018 4:16

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	59810		
153	112.6		87.8	131.8
152	53.4		43.4	65.2





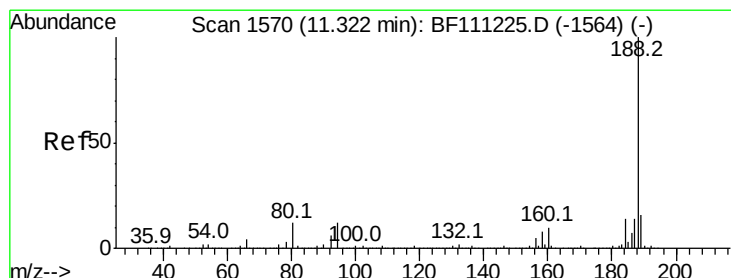
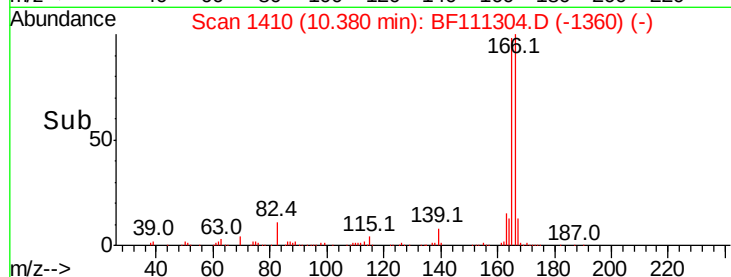
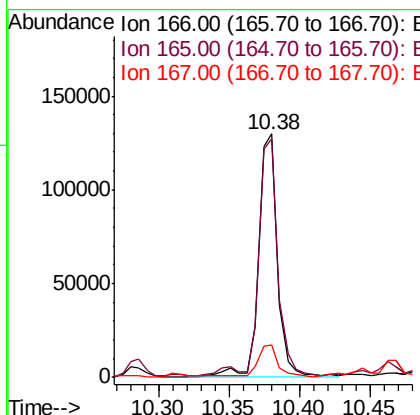
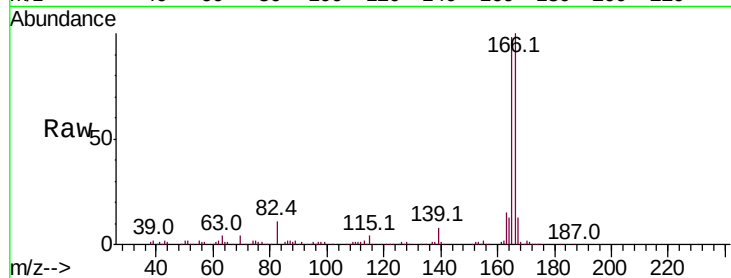
#58
 Fluorene
 Concen: 4.576 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BF111304.D
 Acq: 12 Dec 2018 4:16

Instrument :
 BNA_F
 ClientSampled :
 OR-02-121018-B

Tot Ion	Ratio	Resp	Lower	Upper
166	100	124429		
165	98.2		78.4	117.6
167	13.4		11.2	16.8

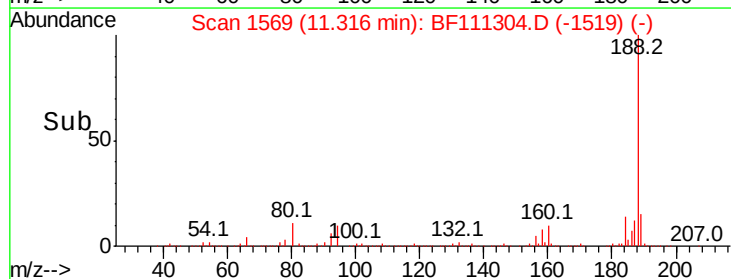
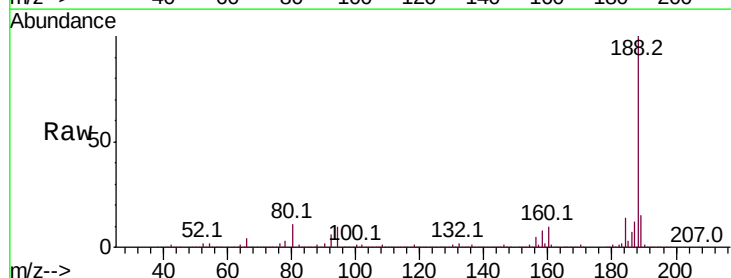
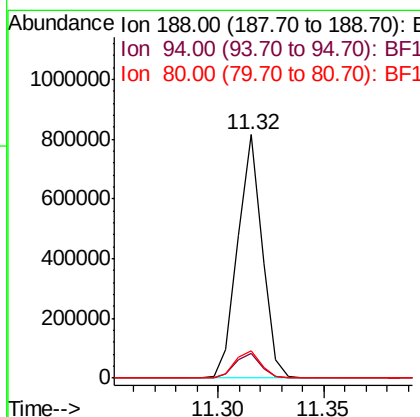
Manual Integrations
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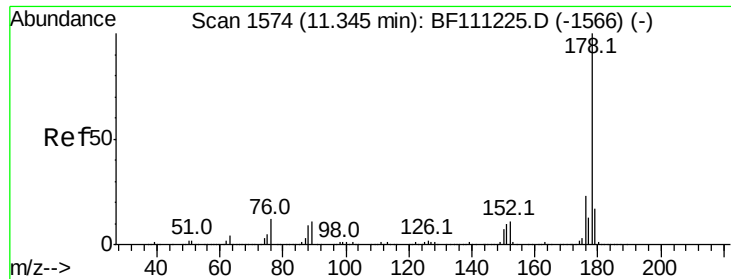
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF111304.D
 Acq: 12 Dec 2018 4:16

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	652833		
94	10.2		9.6	14.4
80	11.1		9.8	14.6





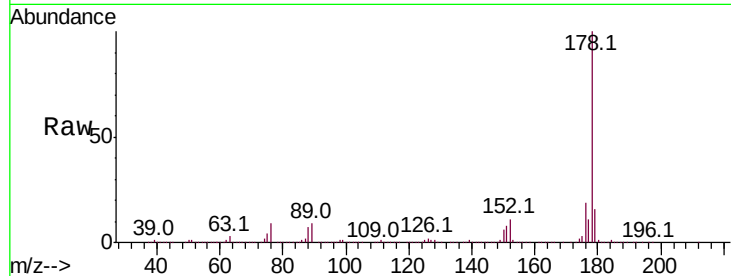
#71
Phenanthrene
Concen: 24.287 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF111304.D
Acq: 12 Dec 2018 4:16

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

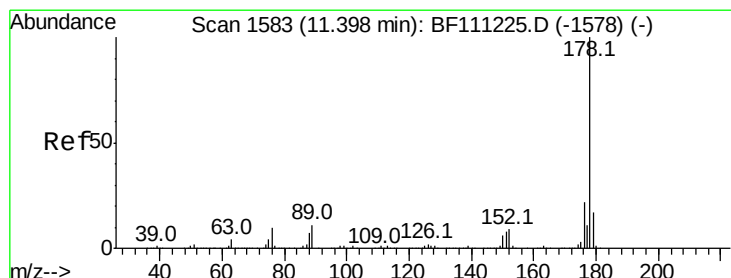
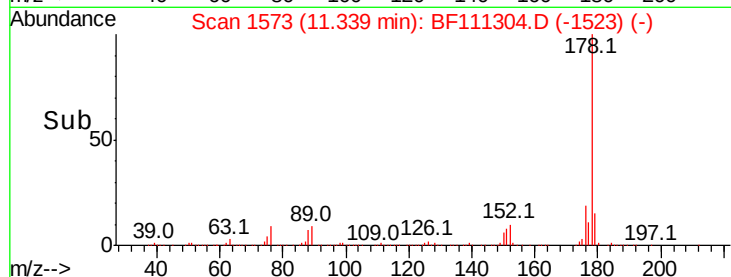
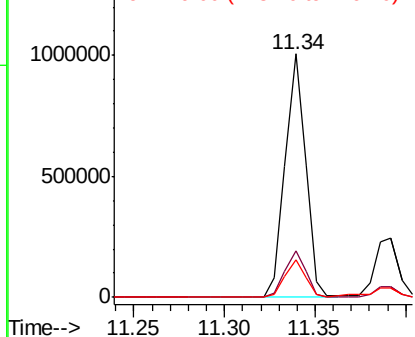
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	18.1	27.1
179	15.6	14.0	21.0

Manual Integrations
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Sohil
12/12/2018 5:30:24 PM



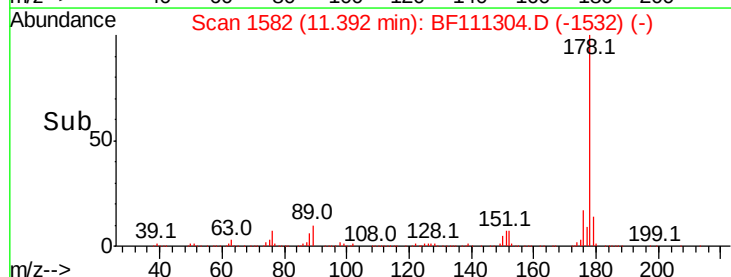
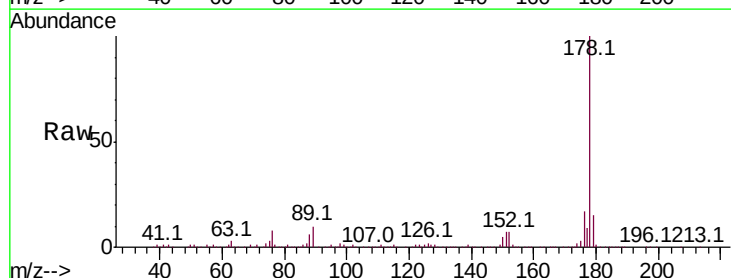
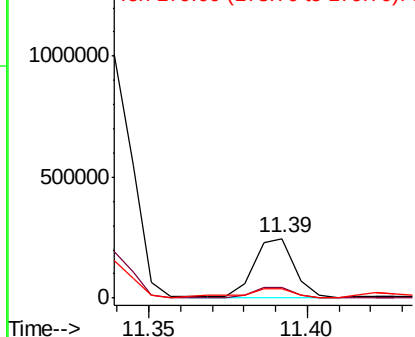
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

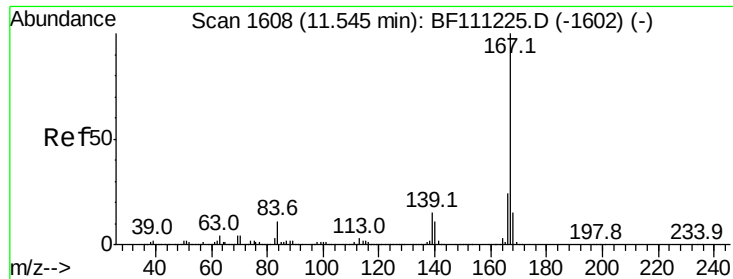


#72
Anthracene
Concen: 6.287 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF111304.D
Acq: 12 Dec 2018 4:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.3	17.2	25.8
179	14.9	13.8	20.8

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





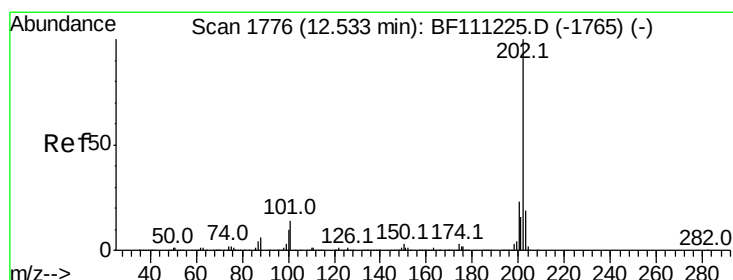
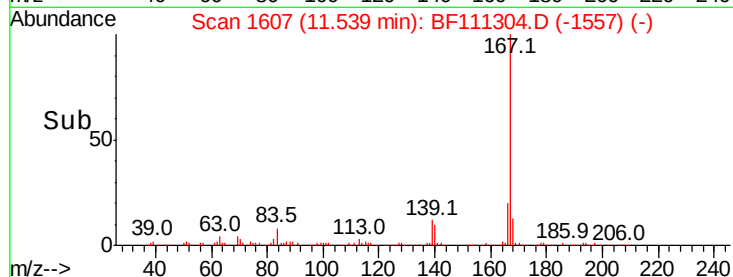
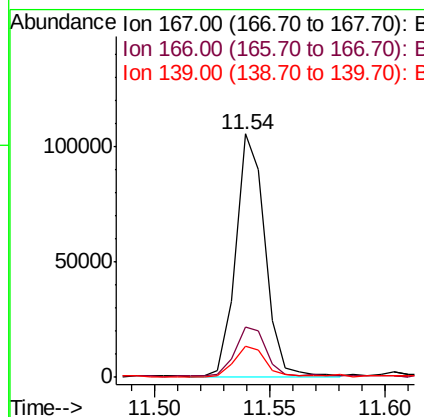
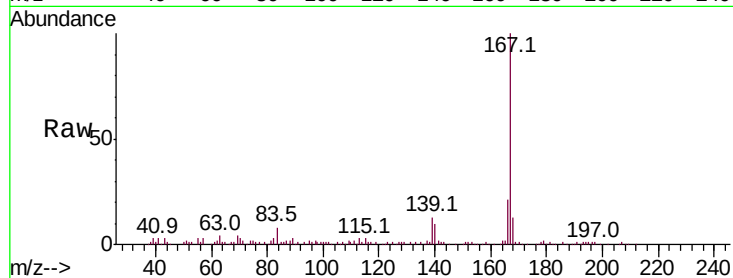
#73
 Carbazole
 Concen: 2.579 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BF111304.D
 Acq: 12 Dec 2018 4:16

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

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.7	19.3	28.9
139	12.9	11.9	17.9

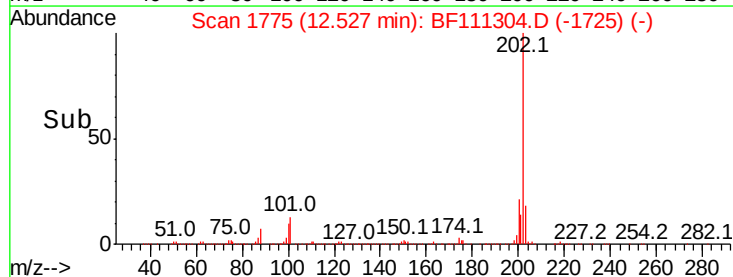
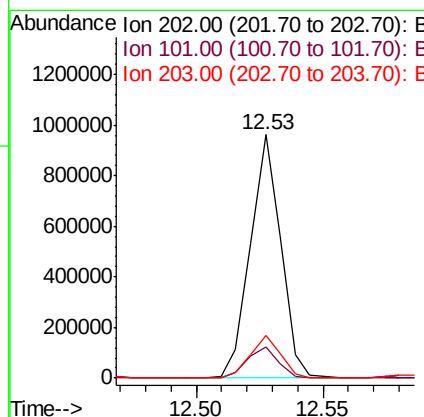
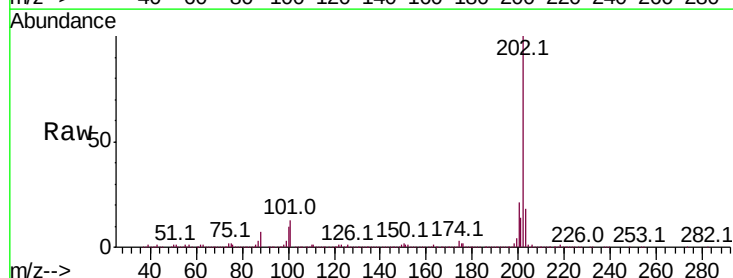
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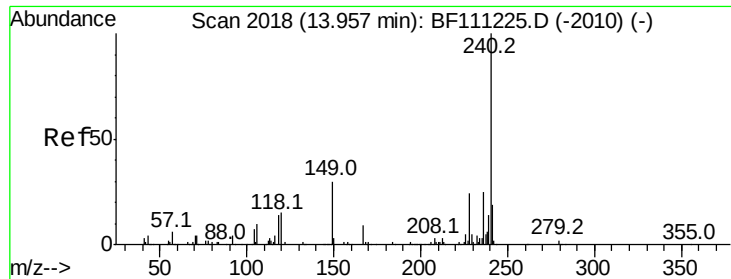
Sohil
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#75
 Fluoranthene
 Concen: 26.775 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. -0.01 min
 Lab File: BF111304.D
 Acq: 12 Dec 2018 4:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.8
203	17.7	0.0	38.6





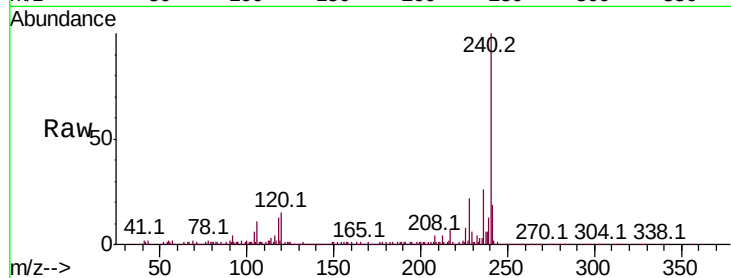
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF111304.D
Acq: 12 Dec 2018 4:16

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

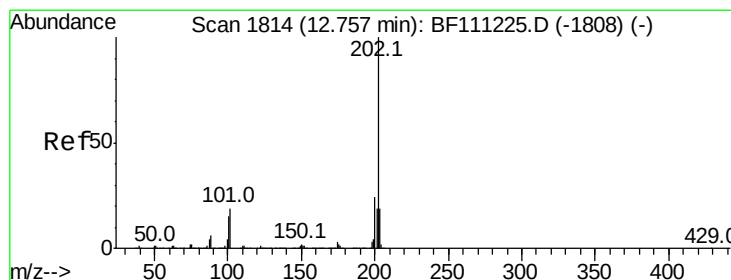
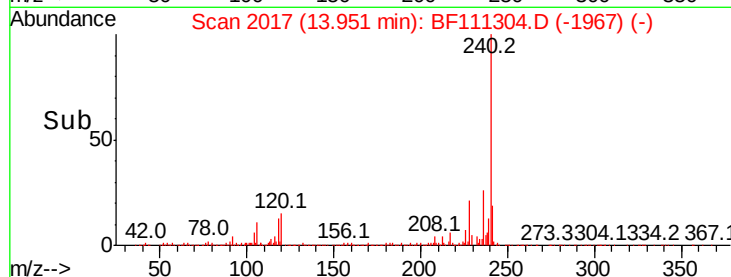
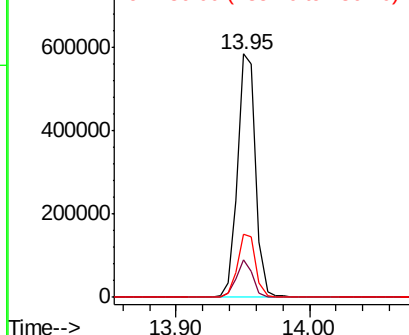
Tot Ion	Ratio	Lower	Upper
240	100		
120	15.3	12.2	18.2
236	26.0	20.2	30.2

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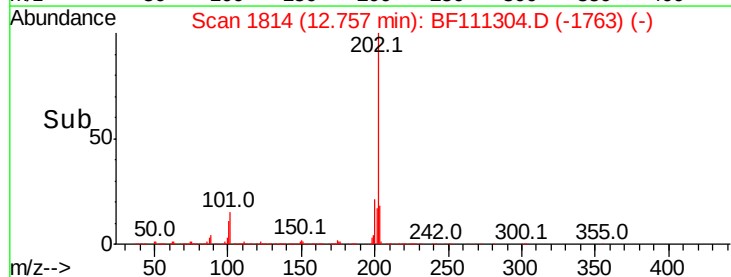
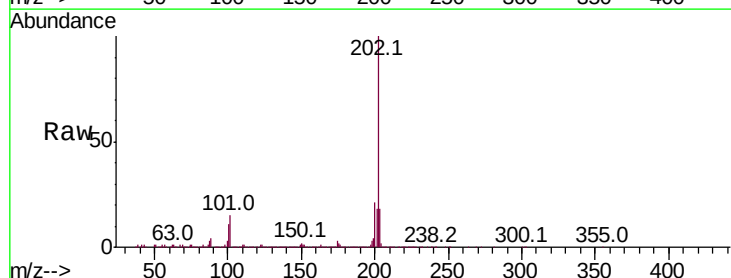
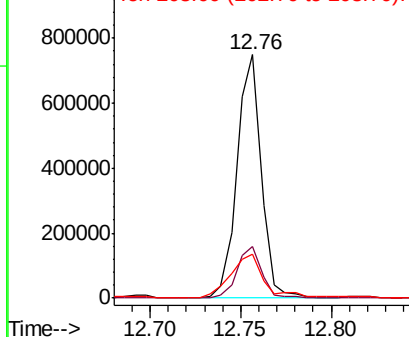
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

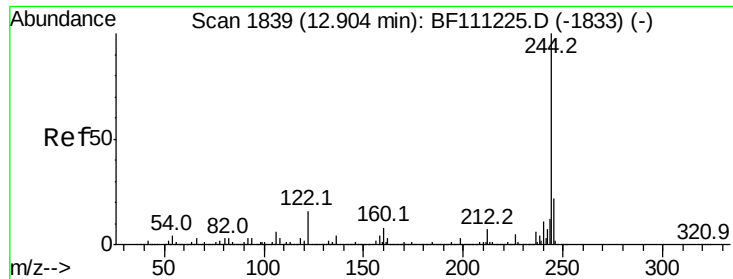


#78
Pyrene
Concen: 17.555 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.00 min
Lab File: BF111304.D
Acq: 12 Dec 2018 4:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	19.0	28.4
203	17.9	15.2	22.8

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





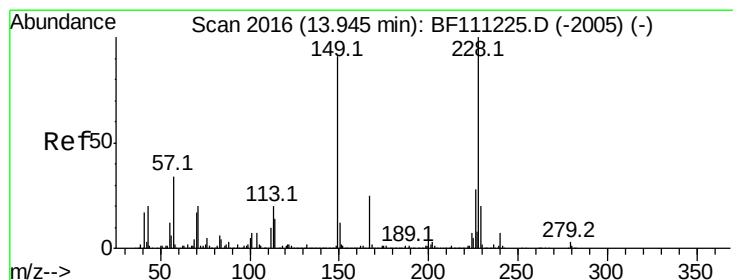
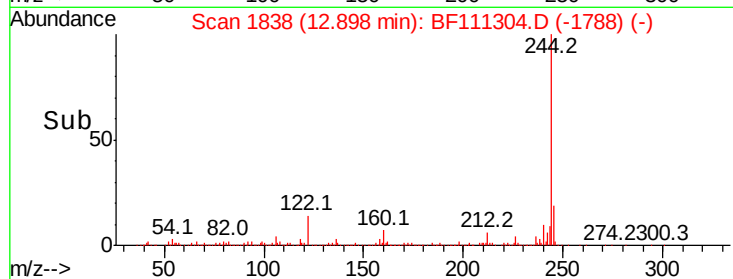
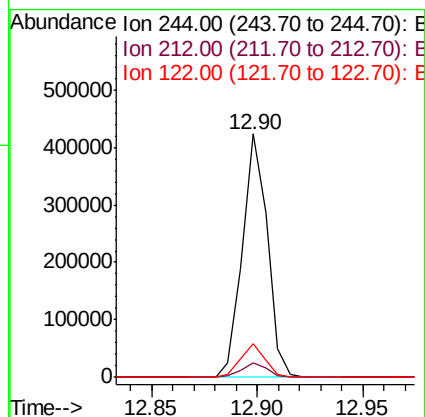
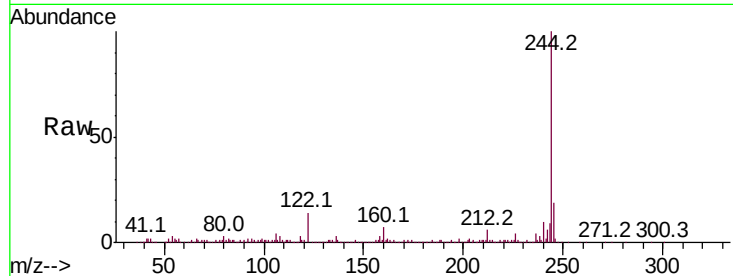
#79
 Terphenyl-d14
 Concen: 15.030 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BF111304.D
 Acq: 12 Dec 2018 4:16

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.7	8.5
122	13.9	13.1	19.7

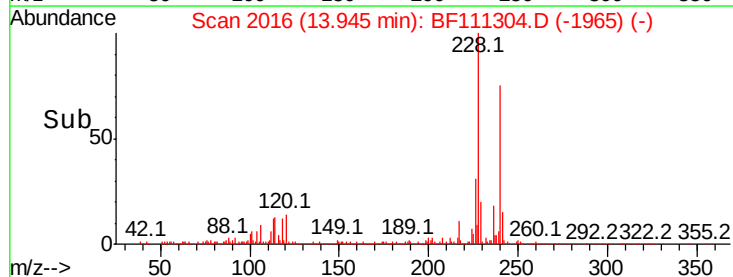
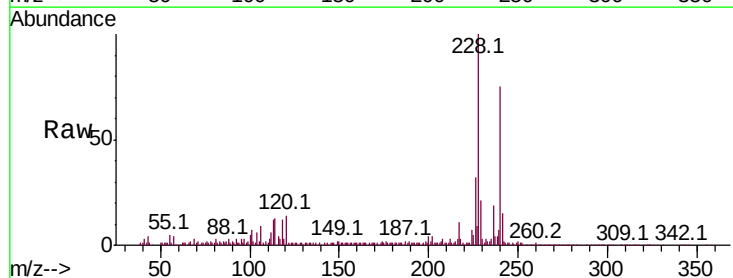
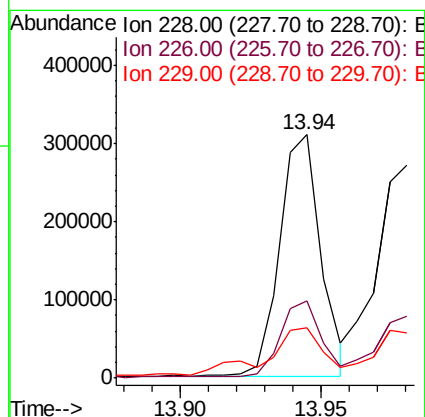
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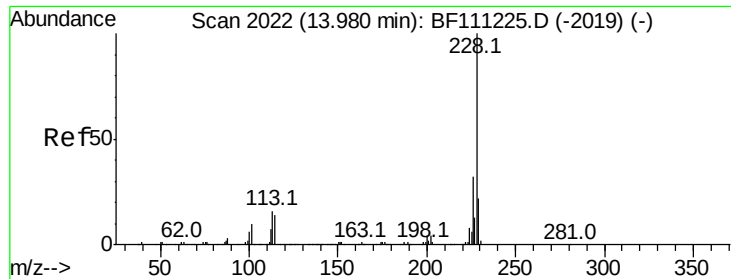
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#81
 Benzo(a)anthracene
 Concen: 10.124 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: BF111304.D
 Acq: 12 Dec 2018 4:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.6	34.0
229	20.7	16.3	24.5





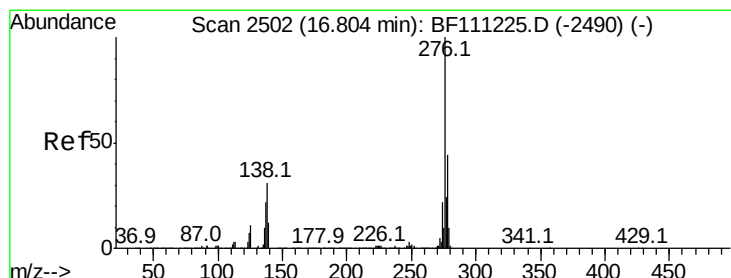
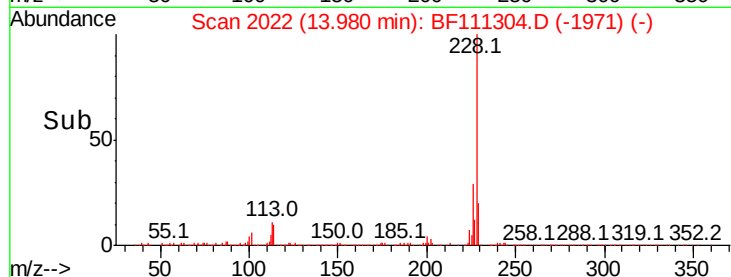
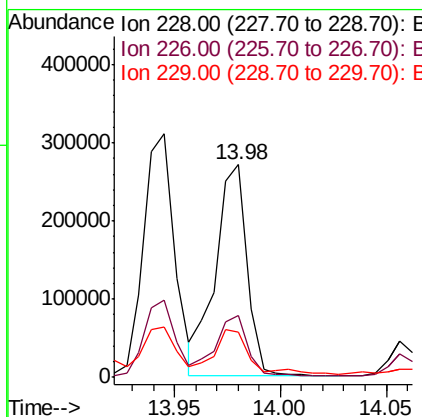
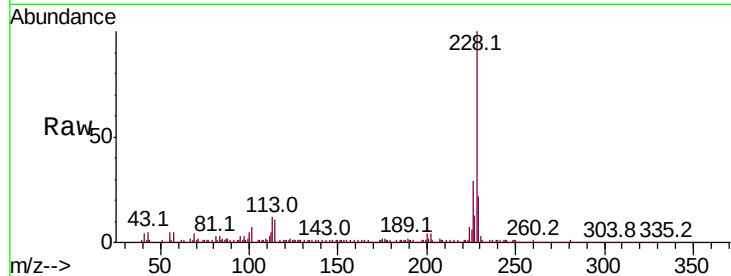
#83
Chrysene
Concen: 8.848 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BF111304.D
Acq: 12 Dec 2018 4:16

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

Tot Ion:	228	Resp:	281857
Ion Ratio	Lower	Upper	
228	100		
226	29.2	25.3	37.9
229	21.5	17.2	25.8

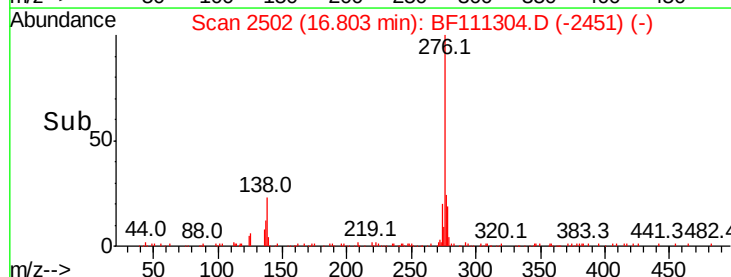
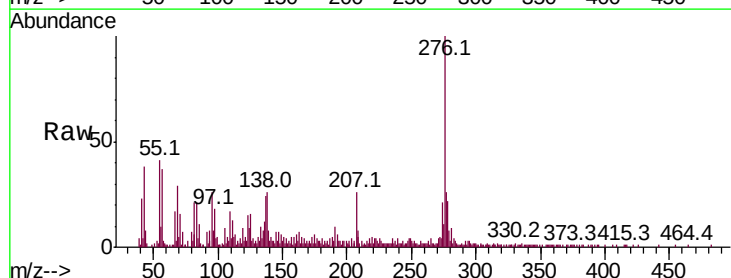
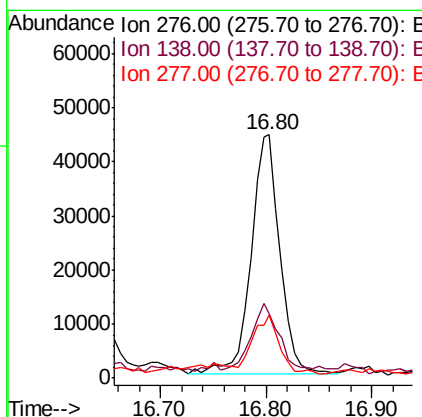
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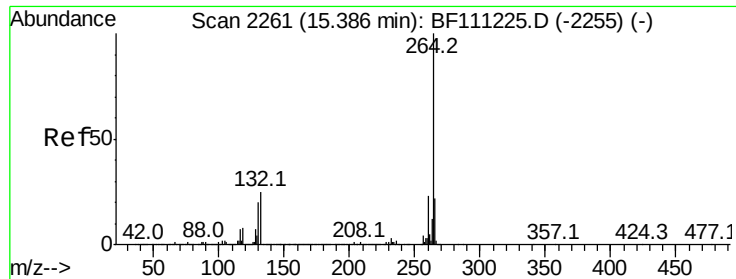
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.284 ng
RT: 16.80 min Scan# 2502
Delta R.T. -0.00 min
Lab File: BF111304.D
Acq: 12 Dec 2018 4:16

Tgt Ion:	276	Resp:	84448
Ion Ratio	Lower	Upper	
276	100		
138	27.2	27.8	41.6#
277	22.9	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111304.D

Acq: 12 Dec 2018 4:16

Instrument :

BNA_F

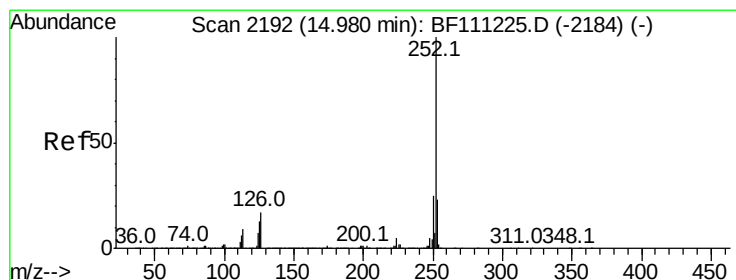
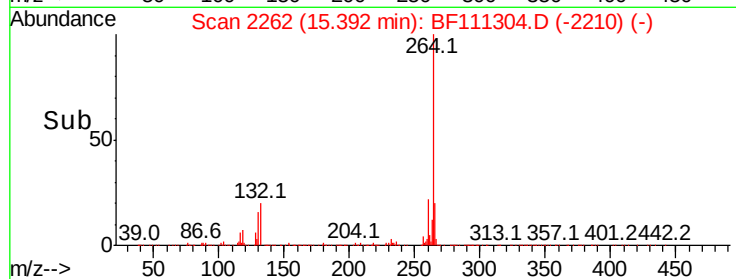
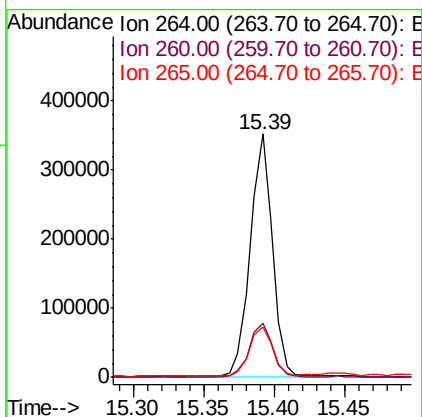
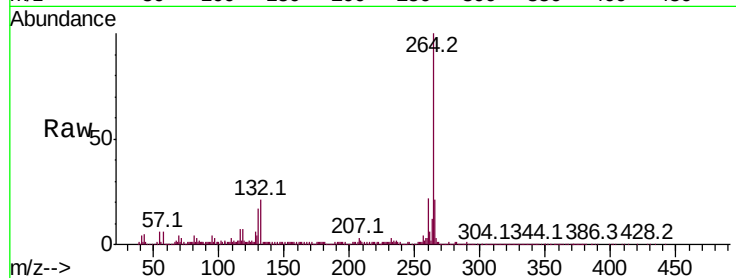
ClientSampleId :

OR-02-121018-B

Tot Ion:	264	Resp:	391997
Ion Ratio	Lower	Upper	
264	100		
260	22.1	18.3	27.5
265	20.9	17.7	26.5

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#88

Benzo(b)fluoranthene

Concen: 11.105 ng m

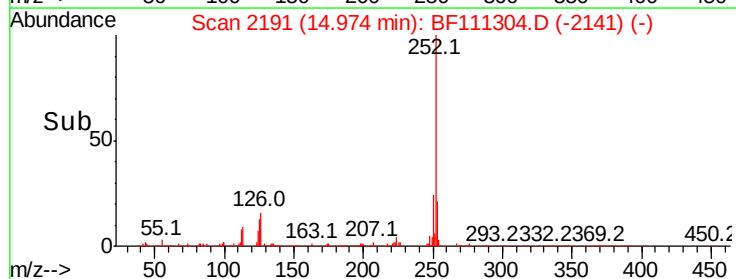
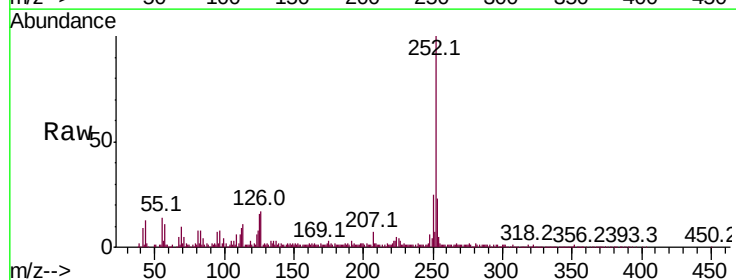
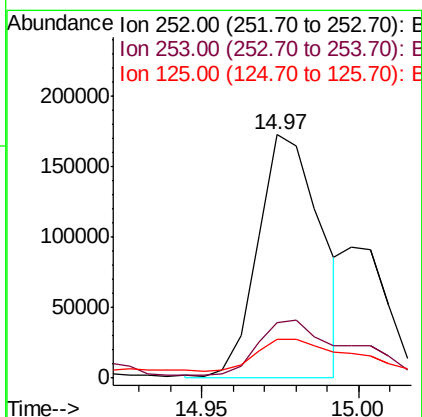
RT: 14.97 min Scan# 2191

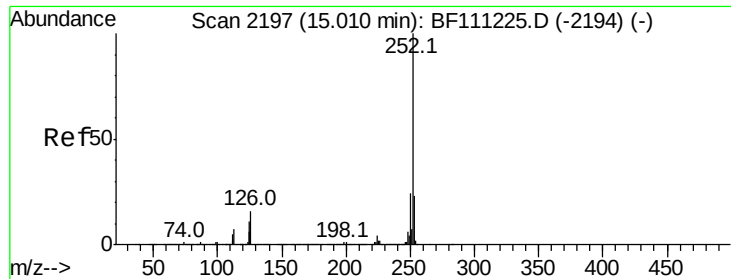
Delta R.T. -0.01 min

Lab File: BF111304.D

Acq: 12 Dec 2018 4:16

Tgt Ion:	252	Resp:	240740
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.2	27.2
125	16.1	10.4	15.6#





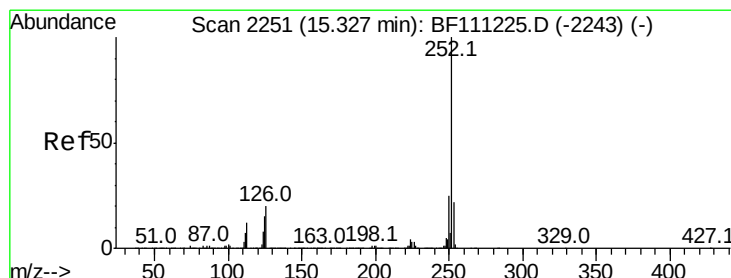
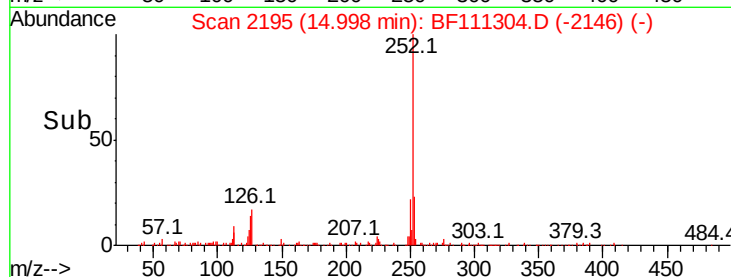
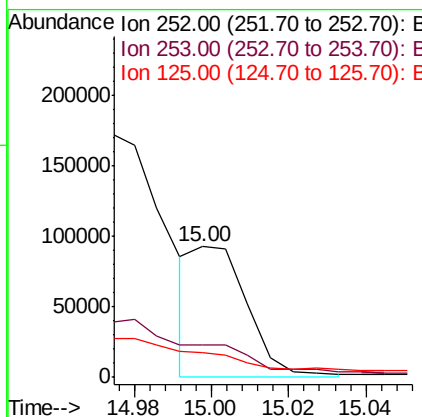
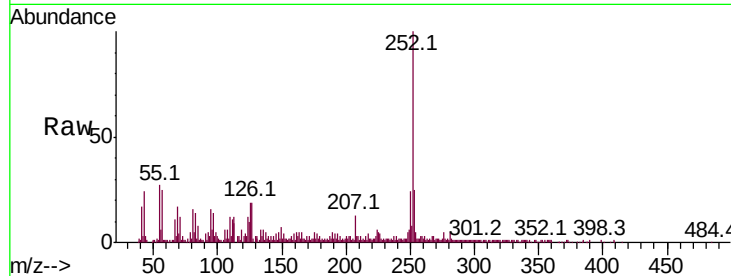
#89
Benzo(k)fluoranthene
Concen: 4.477 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF111304.D
Acq: 12 Dec 2018 4:16

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.1	27.1
125	19.2	9.8	14.8

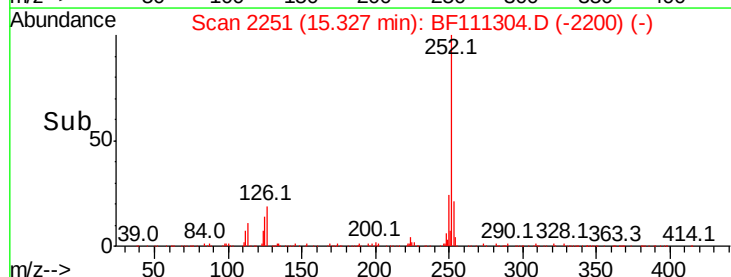
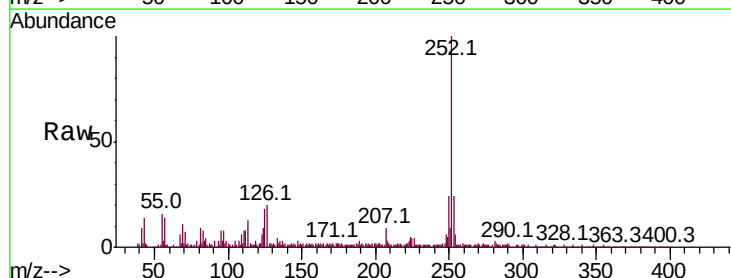
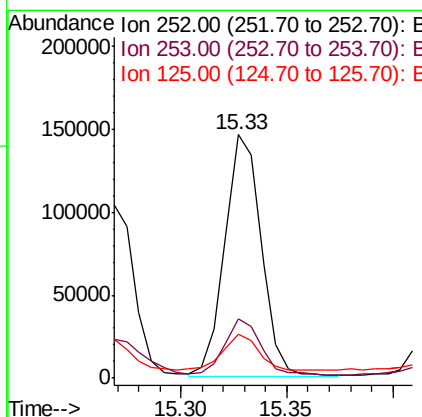
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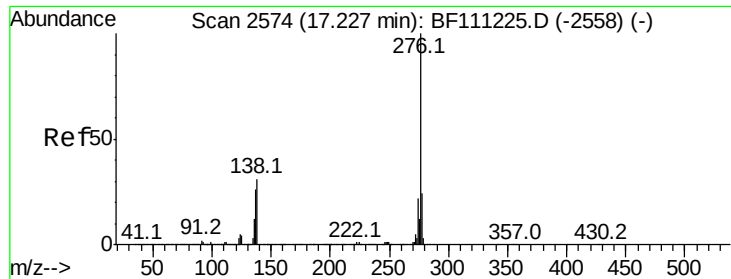
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#90
Benzo(a)pyrene
Concen: 8.672 ng
RT: 15.33 min Scan# 2251
Delta R.T. -0.00 min
Lab File: BF111304.D
Acq: 12 Dec 2018 4:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.8
125	18.2	12.3	18.5





#92
 Benzo(a,h,i)perylene
 Concen: 5.052 ng
 RT: 17.23 min Scan# 2574
 Delta R.T. -0.00 min
 Lab File: BF111304.D
 Acq: 12 Dec 2018 4:16

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

Tot Ion:	276	Resp:	79300
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.2	28.8
138	27.2	24.9	37.3

Manual Integrations
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