

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
 Data File : BF111305.D
 Acq On : 12 Dec 2018 4:43
 Operator : JU/SJ
 Sample : J6148-01 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-MH-F

Manual Integrations
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 12/12/2018 5:30:27 PM

Quant Time: Dec 12 06:48:34 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	270606	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1047252	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	429976	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	635392	20.00	ng	0.00
76) Chrysene-d12	13.96	240	558836	20.00	ng	0.00
87) Perylene-d12	15.40	264	405128	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	803152	46.87	ng	0.00
7) Phenol-d6	6.43	99	1016878	47.75	ng	0.00
23) Nitrobenzene-d5	7.35	82	585321	31.35	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	158444	41.60	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	956262	30.74	ng	-0.01
79) Terphenyl-d14	12.90	244	661919	28.41	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.44	94	72246	2.901	ng	90
49) Acenaphthylene	9.69	152	171622	4.202	ng	93
71) Phenanthrene	11.34	178	414249	12.926	ng	94
72) Anthracene	11.39	178	157209	4.689	ng	96
75) Fluoranthene	12.53	202	760882	25.990	ng	99
78) Pyrene	12.76	202	1042394	26.102	ng	96
80) Butylbenzylphthalate	13.39	149	1154626	55.355	ng	93
81) Benzo(a)anthracene	13.95	228	546594	17.532	ng	94
83) Chrysene	13.98	228	508625	15.825	ng	97
84) Bis(2-ethylhexyl)phthalate	13.95	149	58333	2.353	ng	96
86) Indeno(1,2,3-cd)pyrene	16.80	276	182508	7.034	ng	91
88) Benzo(b)fluoranthene	14.98	252	473938m	21.154	ng	
89) Benzo(k)fluoranthene	15.00	252	150545m	7.147	ng	
90) Benzo(a)pyrene	15.33	252	346254	16.783	ng	99
91) Dibenzo(a,h)anthracene	16.82	278	47142	2.909	ng	# 87
92) Benzo(g,h,i)perylene	17.23	276	202180	12.463	ng	96

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

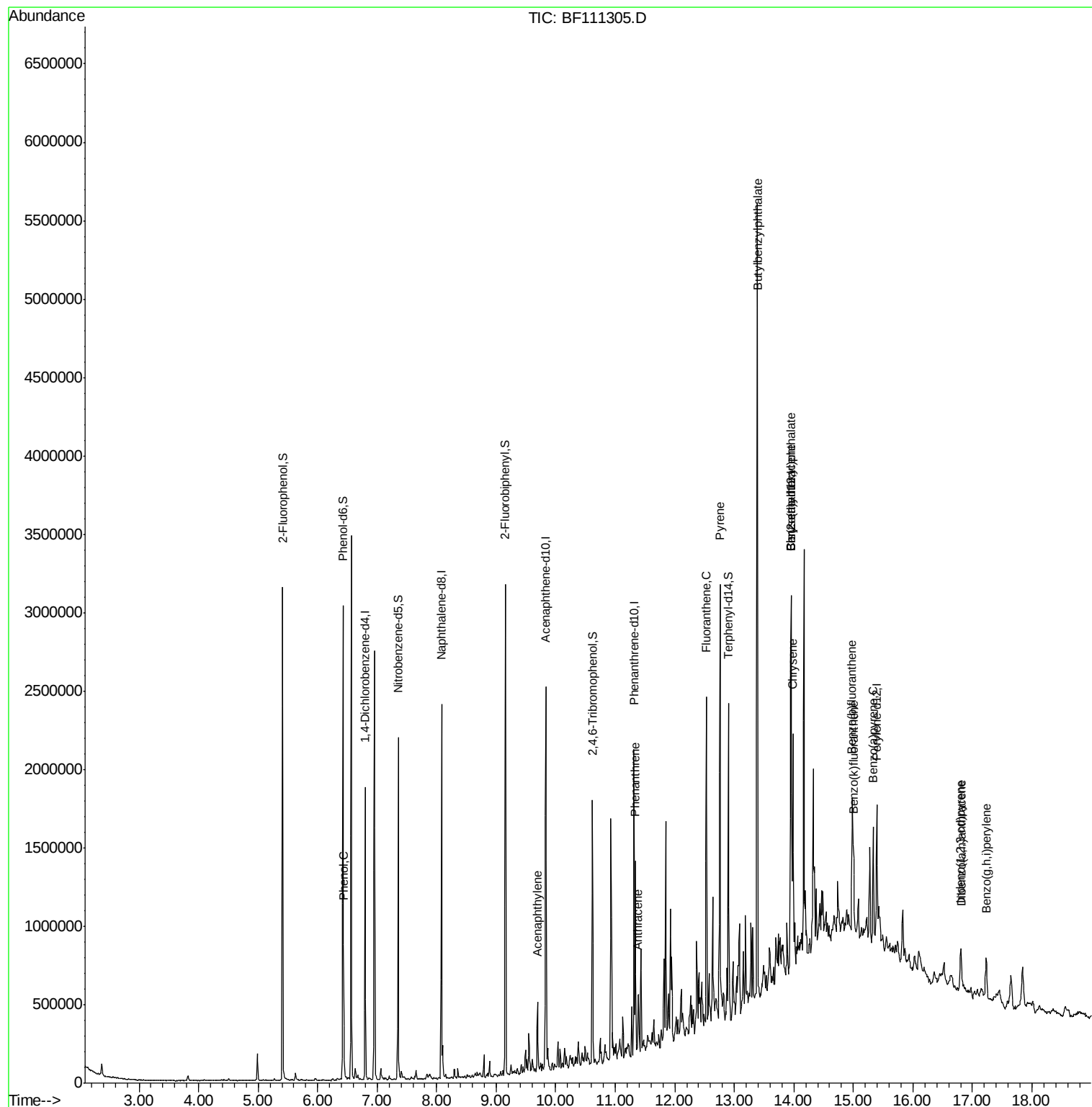
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
Data File : BF111305.D
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ALS Vial : 24 Sample Multiplier: 1

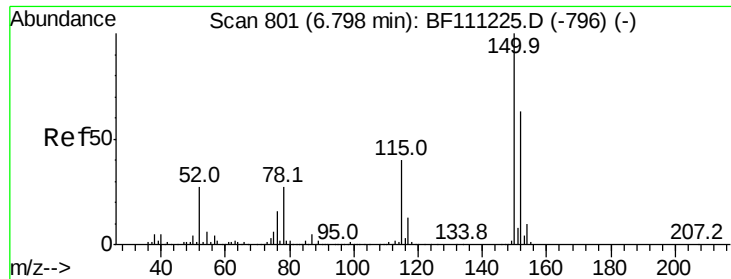
Instrument :
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ClientSampleId :
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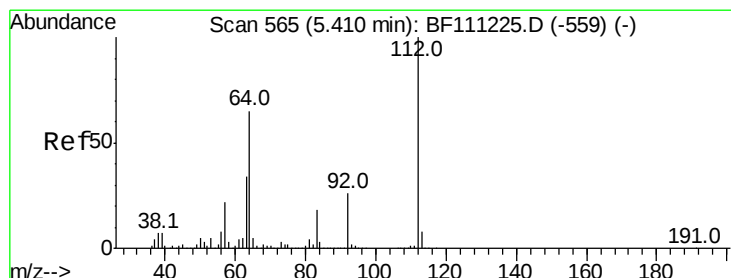
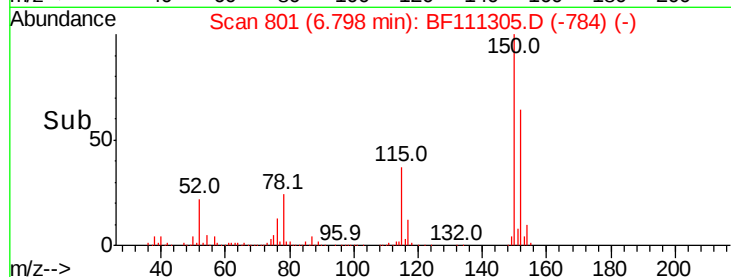
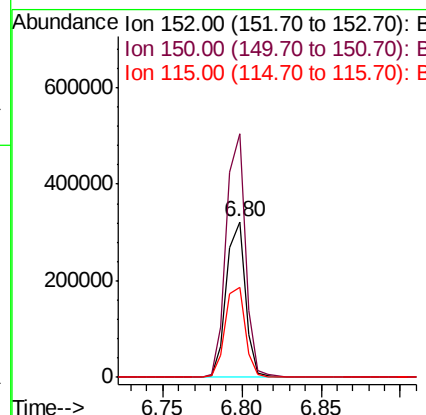
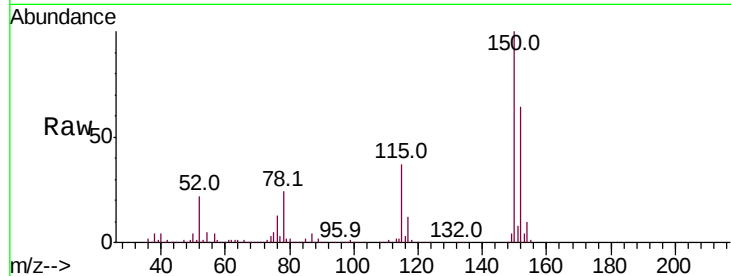
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Instrument :
BNA_F
ClientSampleId :
TP-MH-F

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	126.6	189.8
115	58.1	50.7	76.1

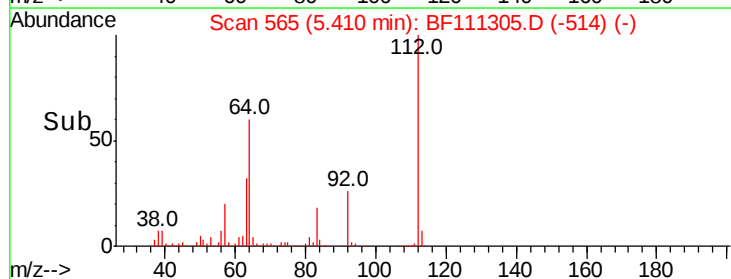
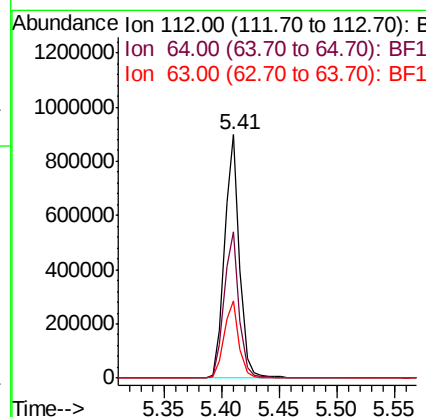
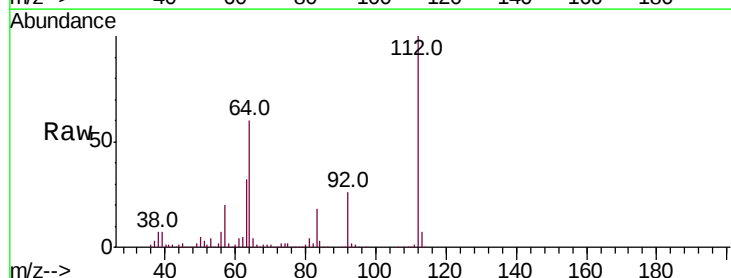
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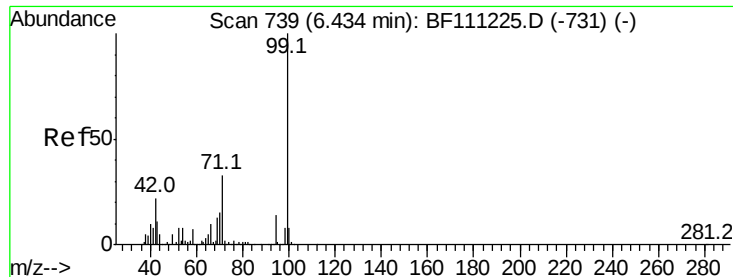
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#5
2-Fluorophenol
Concen: 46.866 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	51.8	77.6
63	31.6	26.8	40.2





#7

Phenol-d6

Concen: 47.747 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111305.D

Acq: 12 Dec 2018 4:43

Instrument :

BNA_F

ClientSampled :

TP-MH-F

Tot Ion: 99 Resp: 1016878

Ion Ratio Lower Upper

99 100

42 19.4 17.4 26.0

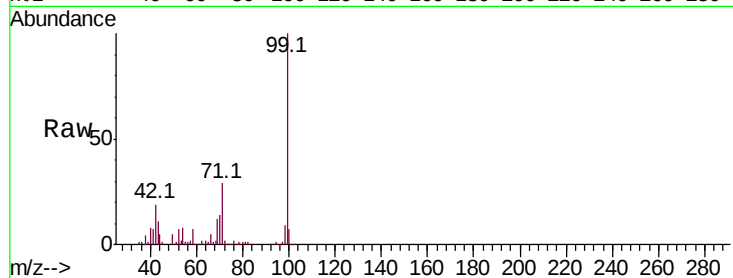
71 29.3 26.1 39.1

Manual Integrations

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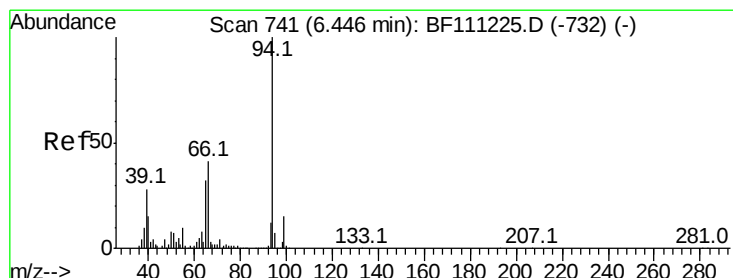
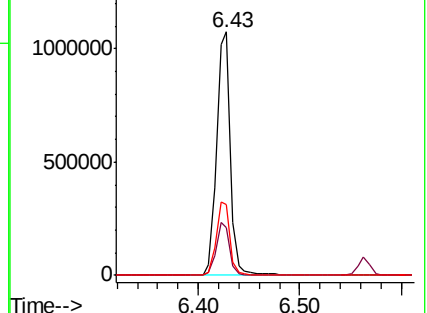
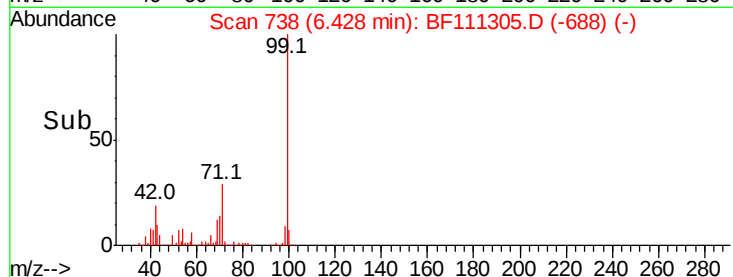
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.901 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111305.D

Acq: 12 Dec 2018 4:43

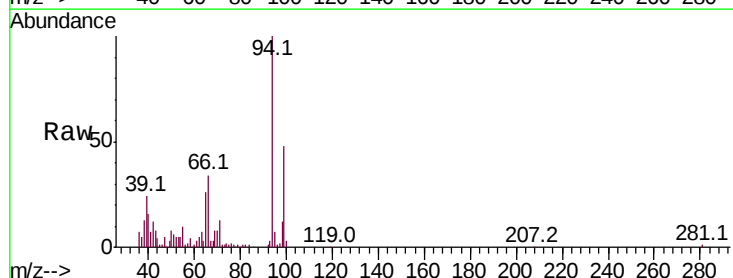
Tgt Ion: 94 Resp: 72246

Ion Ratio Lower Upper

94 100

65 26.4 11.7 51.7

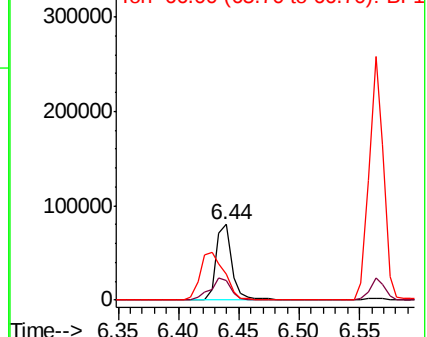
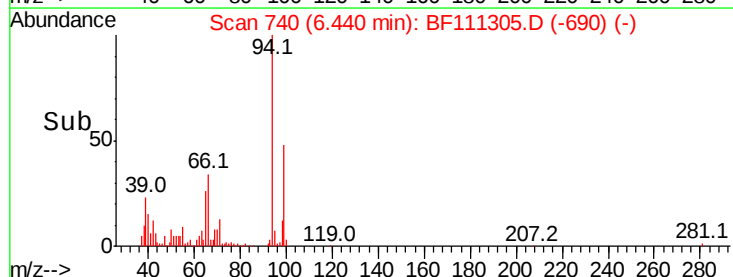
66 34.5 21.0 61.0

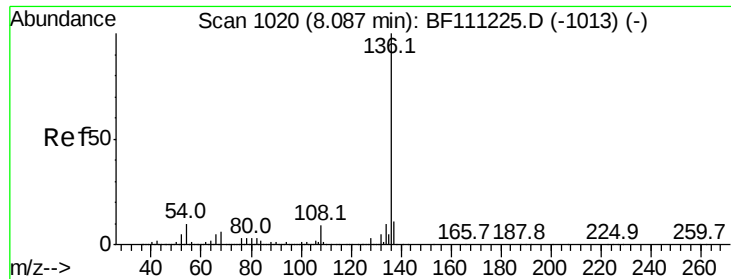


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





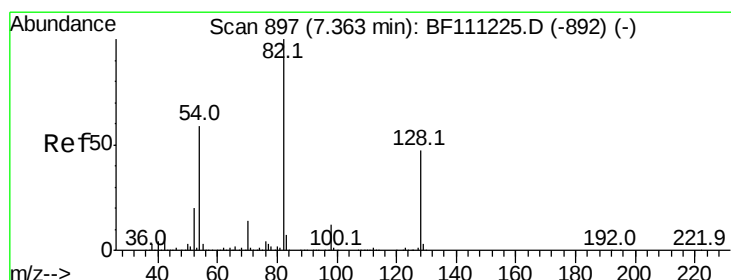
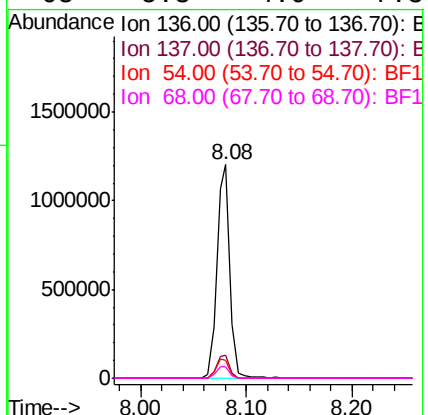
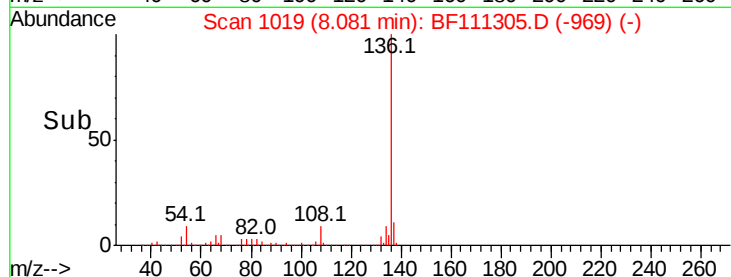
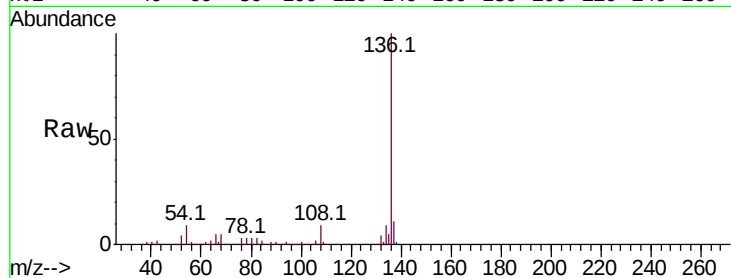
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Instrument :
BNA_F
ClientSampleId :
TP-MH-F

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	8.6	7.7	11.5
68	5.3	4.9	7.3

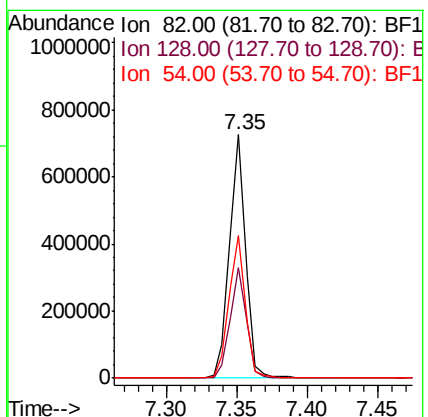
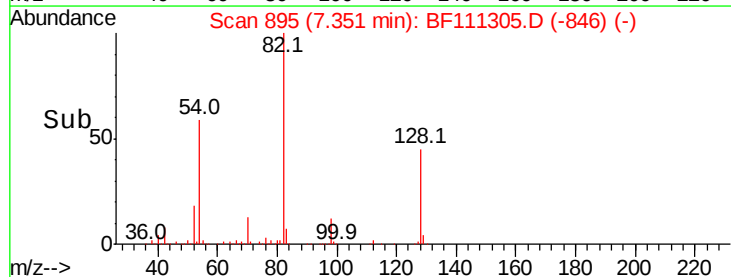
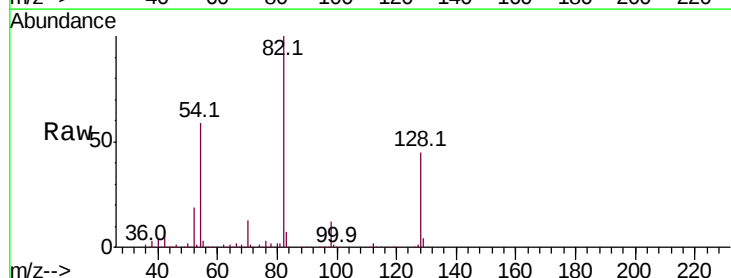
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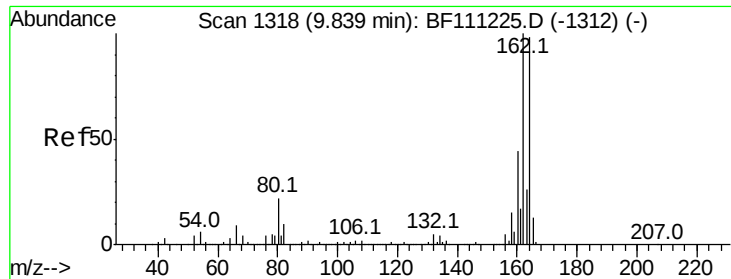
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#23
Nitrobenzene-d5
Concen: 31.349 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.3	37.4	56.2
54	58.6	47.6	71.4





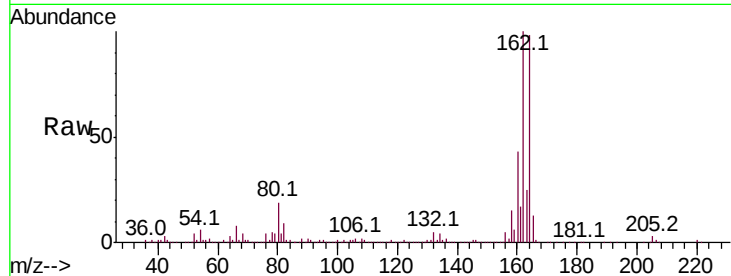
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Instrument :
BNA_F
ClientSampleId :
TP-MH-F

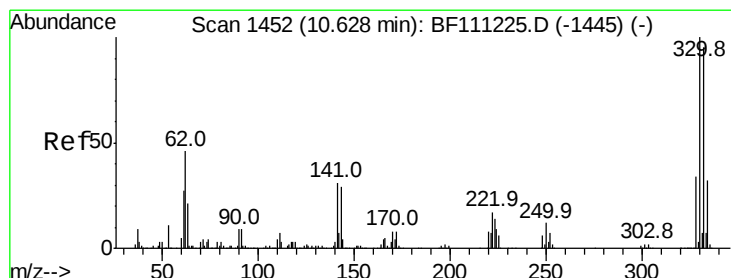
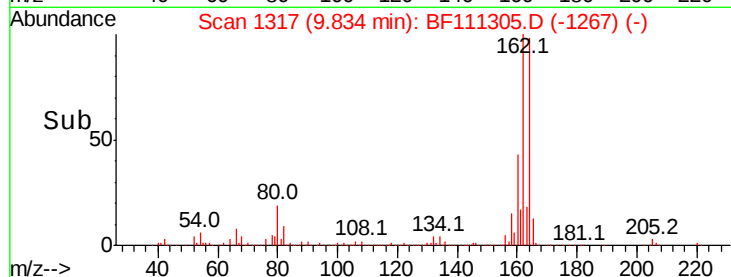
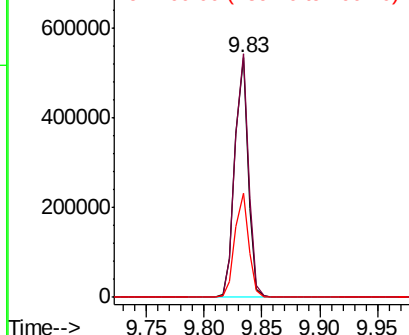
Tot Ion	Ratio	Resp	Lower	Upper
164	100	429976		
162	101.7	81.4	122.0	
160	43.7	35.7	53.5	

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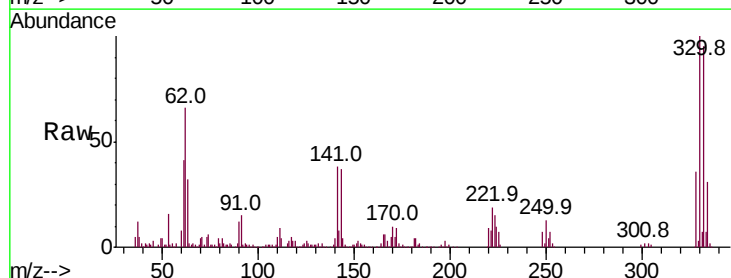


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

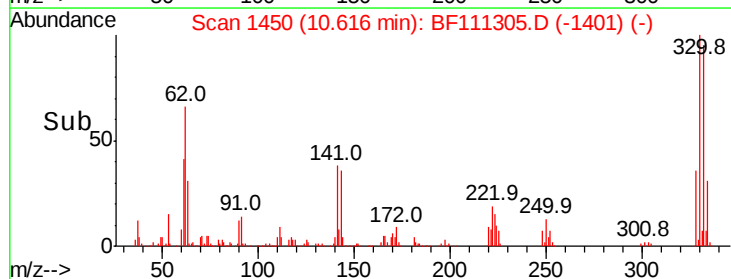
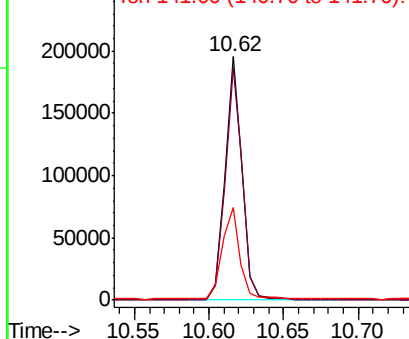


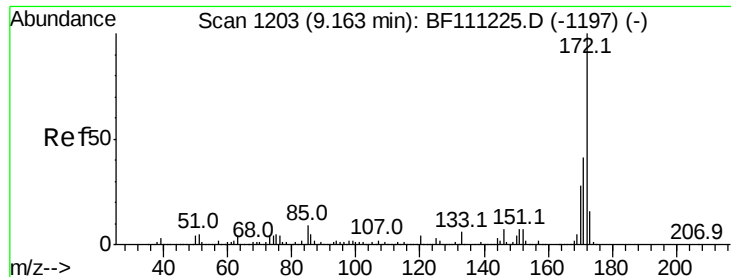
#42
2,4,6-Tribromophenol
Concen: 41.600 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	158444		
332	96.7	76.0	114.0	
141	38.1	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





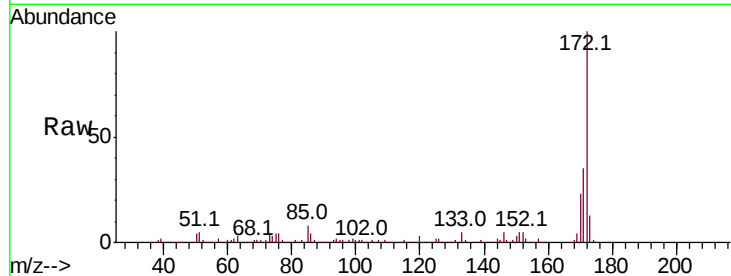
#45
2-Fluorobiphenyl
Concen: 30.744 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Instrument :
BNA_F
ClientSampleId :
TP-MH-F

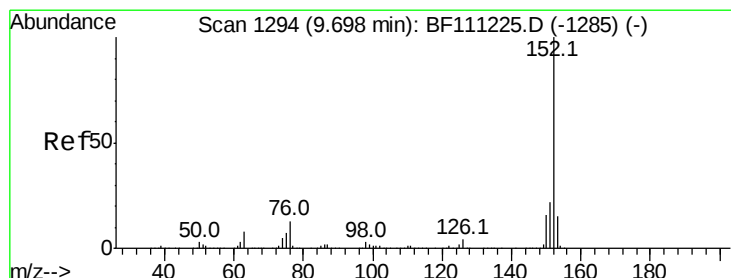
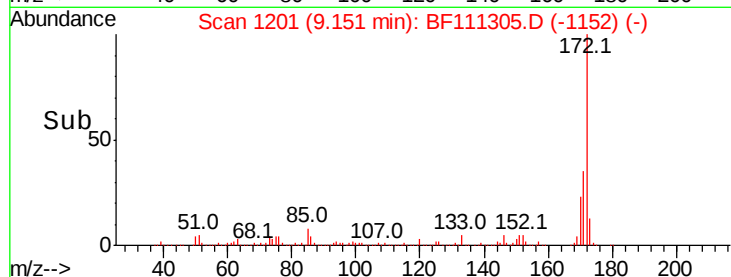
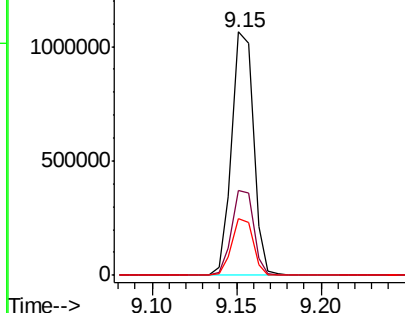
Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.7	33.0	49.4	
170	23.2	22.3	33.5	

Manual Integrations
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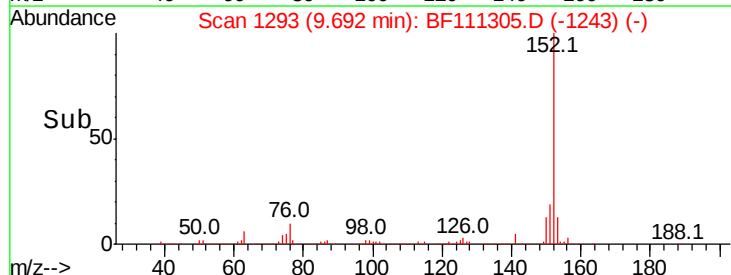
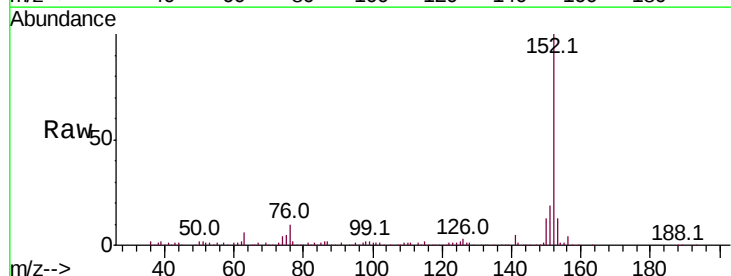
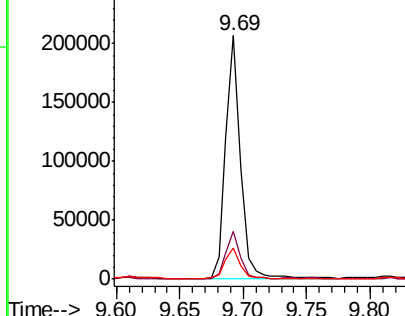
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

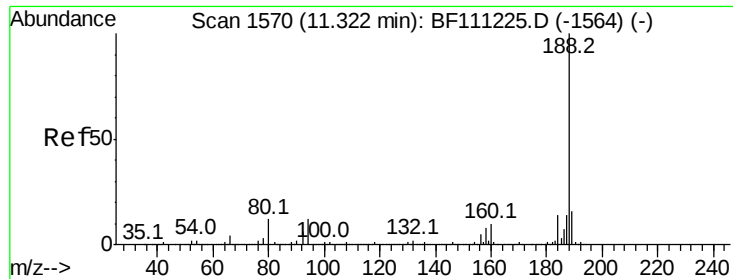


#49
Acenaphthylene
Concen: 4.202 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	19.4	18.0	27.0	
153	12.6	12.3	18.5	

Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





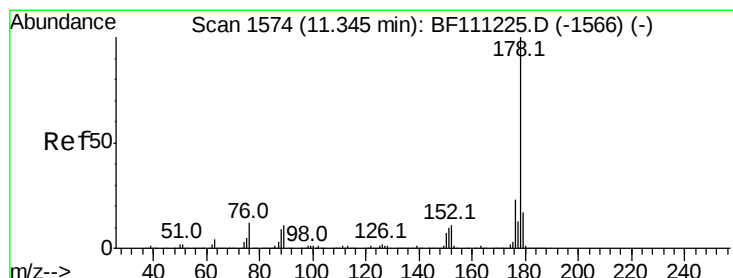
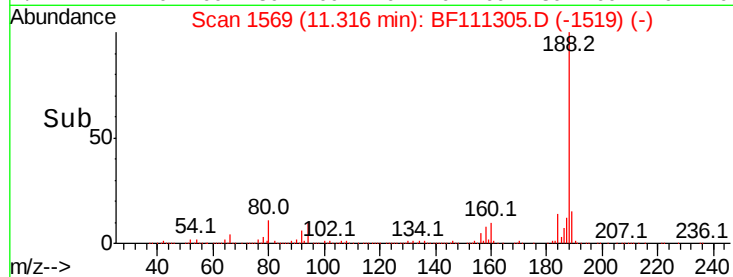
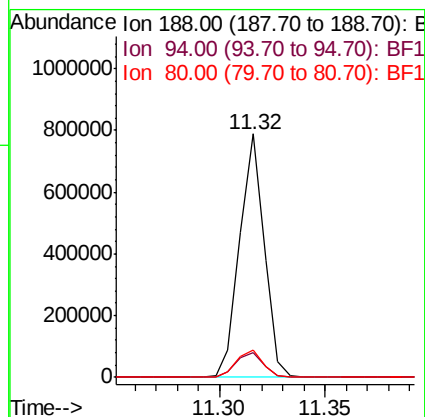
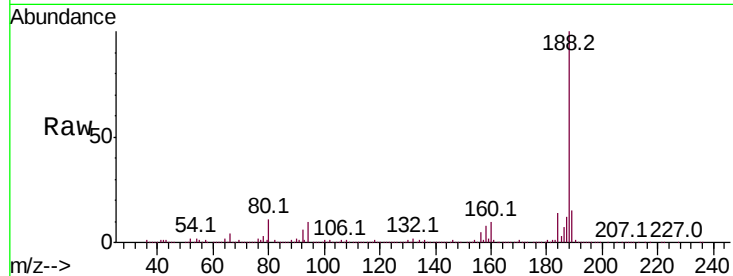
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Instrument :
BNA_F
ClientSampled :
TP-MH-F

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.2	9.6	14.4
80	11.2	9.8	14.6

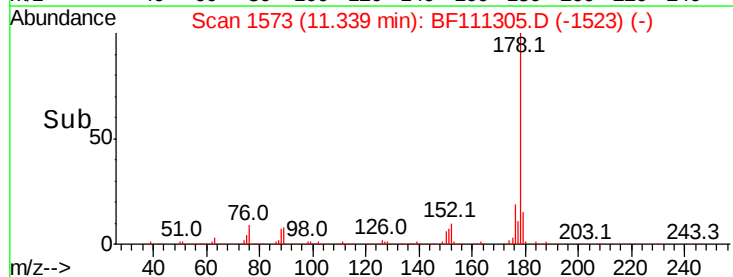
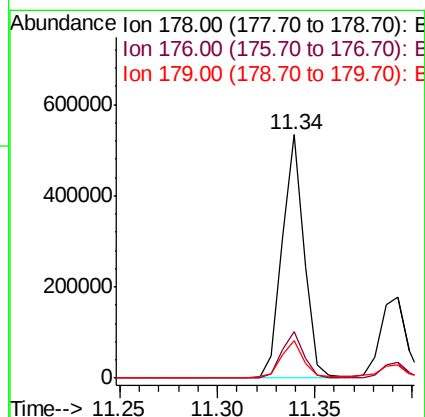
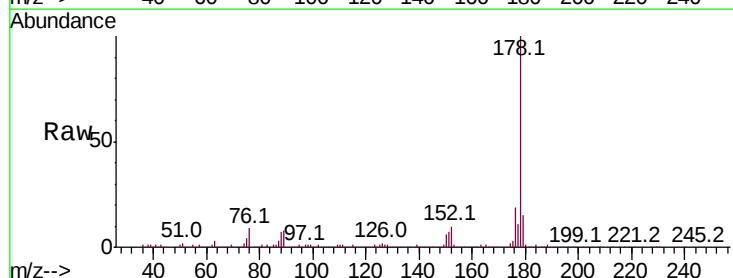
Manual Integrations
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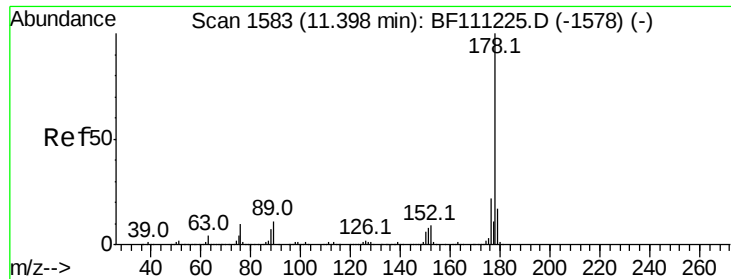
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#71
Phenanthrene
Concen: 12.926 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	18.1	27.1
179	15.2	14.0	21.0





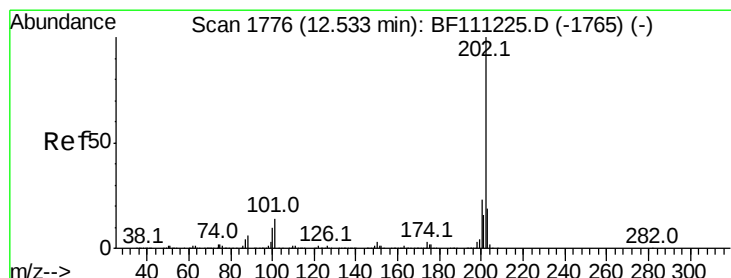
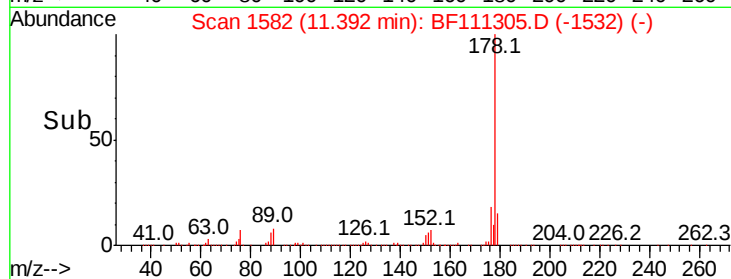
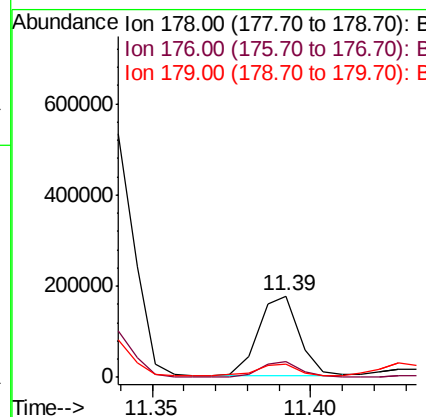
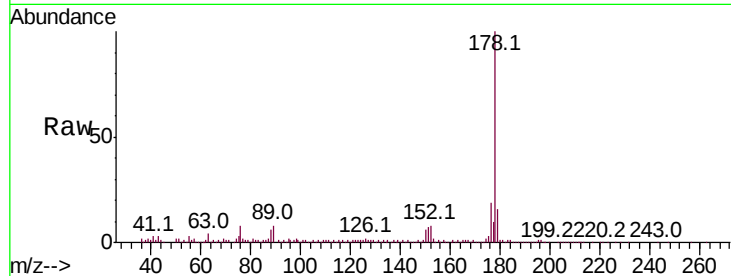
#72
 Anthracene
 Concen: 4.689 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF111305.D
 Acq: 12 Dec 2018 4:43

Instrument :
 BNA_F
 ClientSampled :
 TP-MH-F

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	17.2	25.8
179	16.0	13.8	20.8

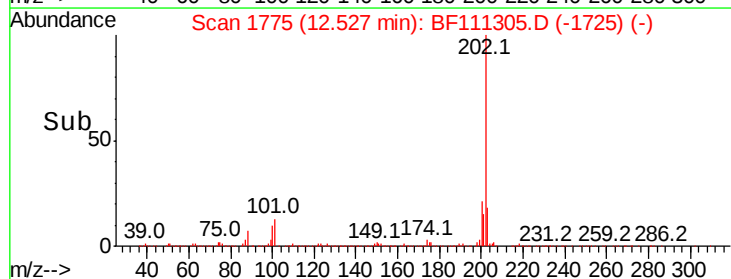
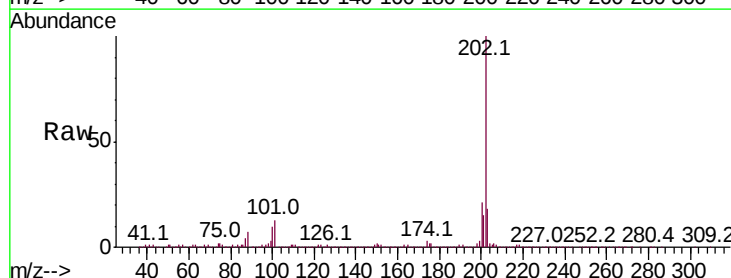
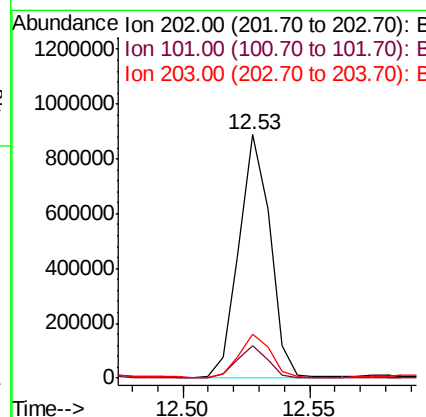
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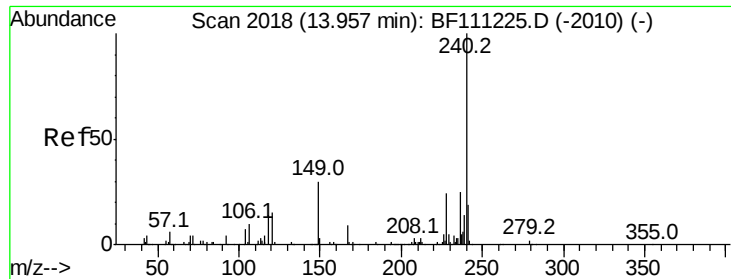
Sohil
 12/12/2018 5:30:27 PM



#75
 Fluoranthene
 Concen: 25.990 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. -0.01 min
 Lab File: BF111305.D
 Acq: 12 Dec 2018 4:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.8
203	18.2	0.0	38.6





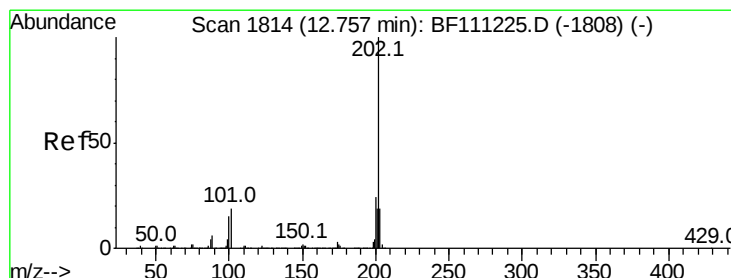
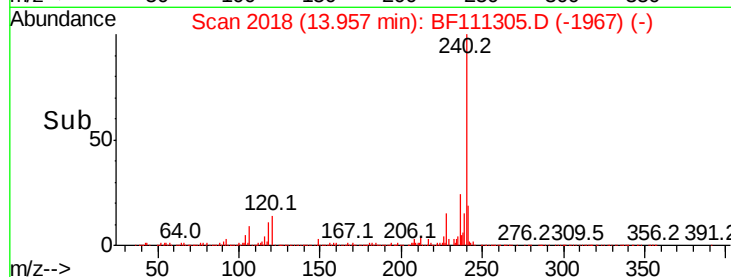
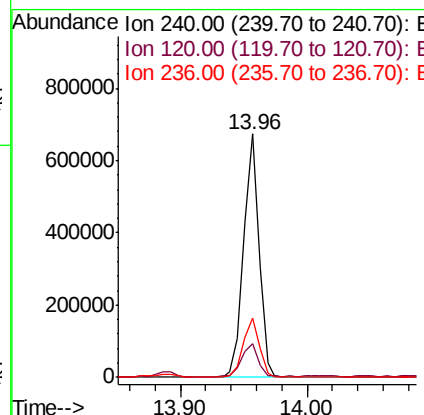
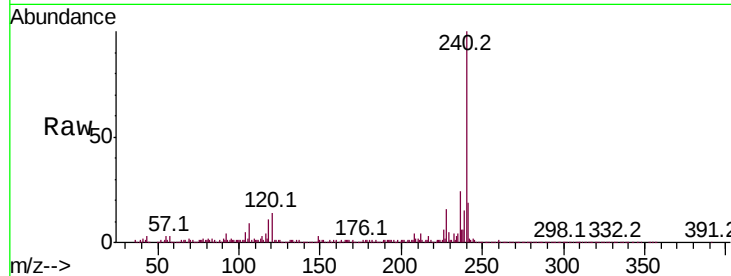
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Instrument :
BNA_F
ClientSampleId :
TP-MH-F

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.8	12.2	18.2
236	24.1	20.2	30.2

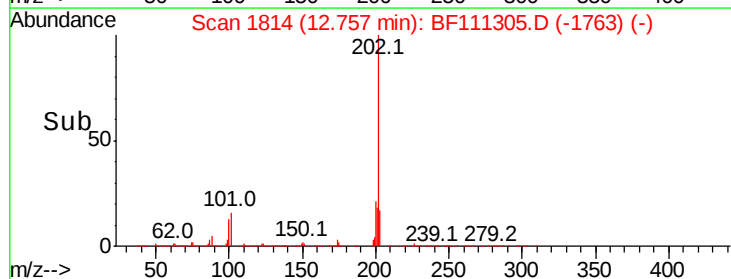
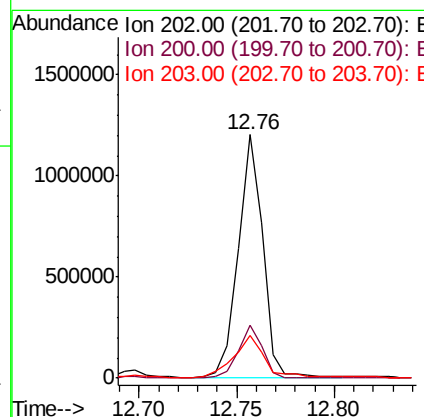
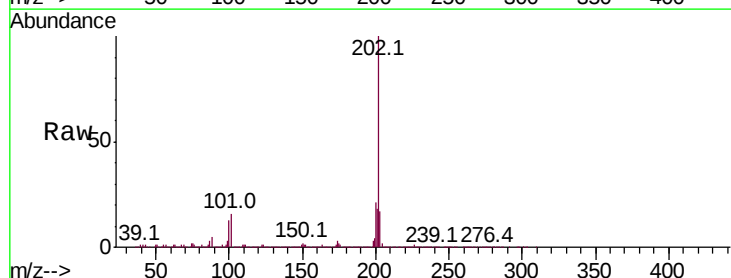
Manual Integrations
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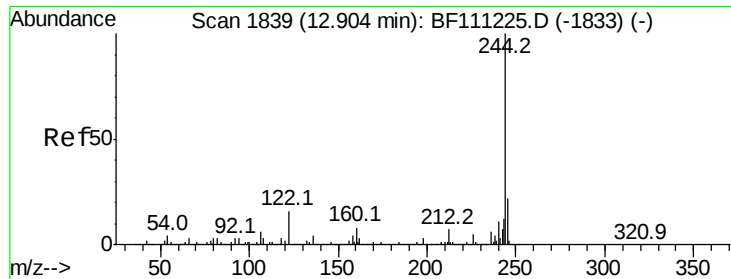
Sohil
12/12/2018 5:30:27 PM



#78
Pyrene
Concen: 26.102 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.00 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	19.0	28.4
203	17.5	15.2	22.8





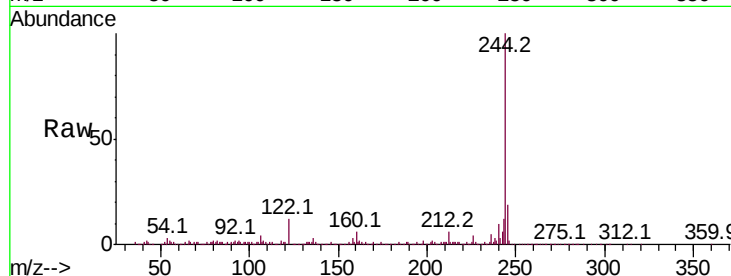
#79
Terphenyl-d14
Concen: 28.411 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.00 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Instrument :
BNA_F
ClientSampleId :
TP-MH-F

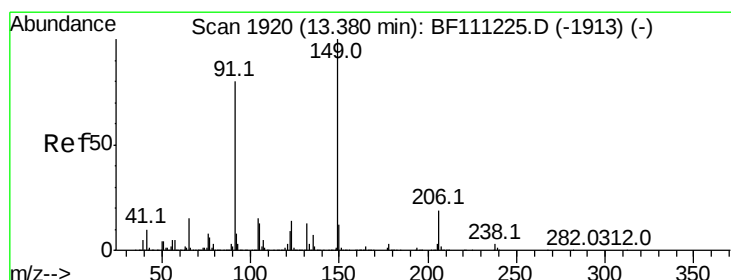
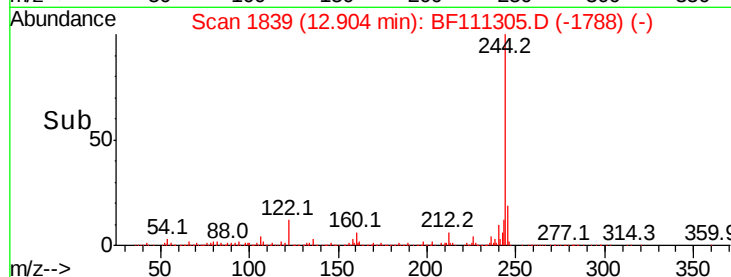
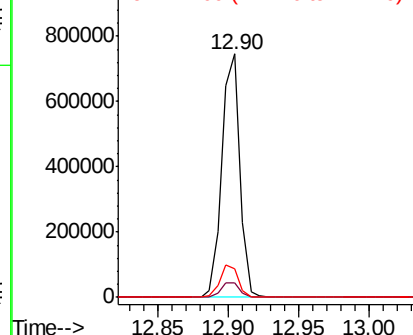
Tot Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.7	8.5
122	11.9	13.1	19.7

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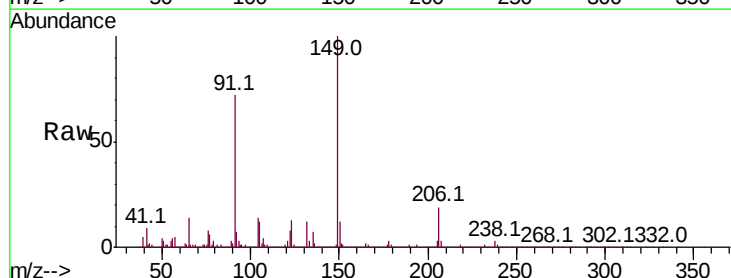


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

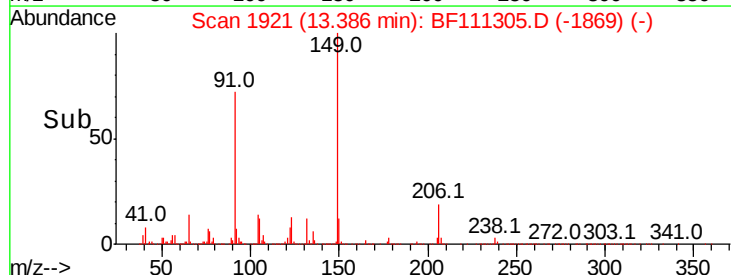
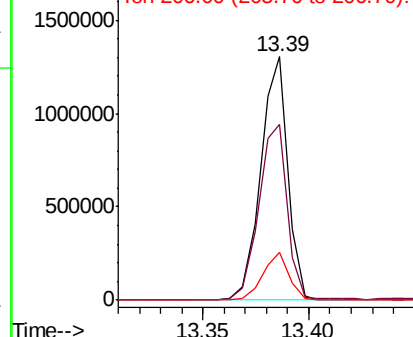


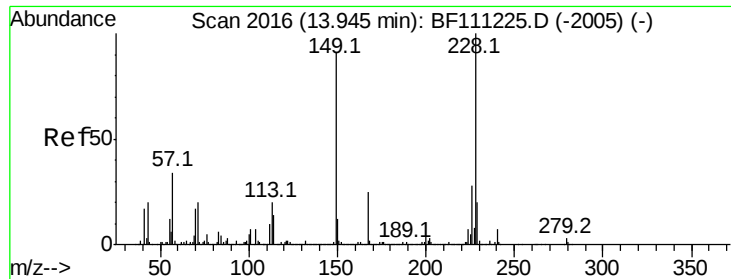
#80
Butylbenzylphthalate
Concen: 55.355 ng
RT: 13.39 min Scan# 1921
Delta R.T. 0.01 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Tgt Ion	Ratio	Lower	Upper
149	100		
91	72.4	63.8	95.6
206	19.4	15.1	22.7



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E





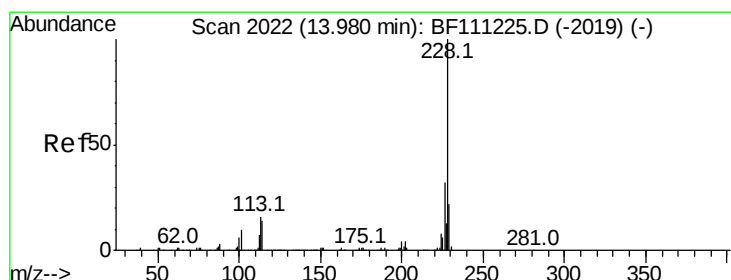
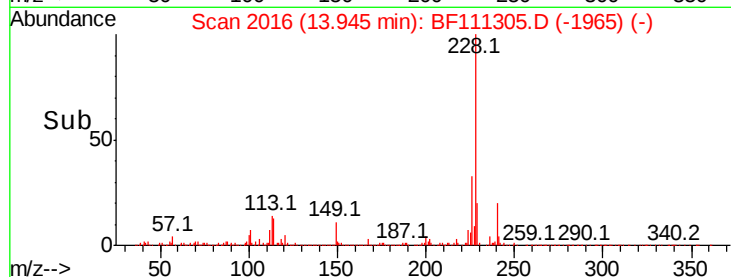
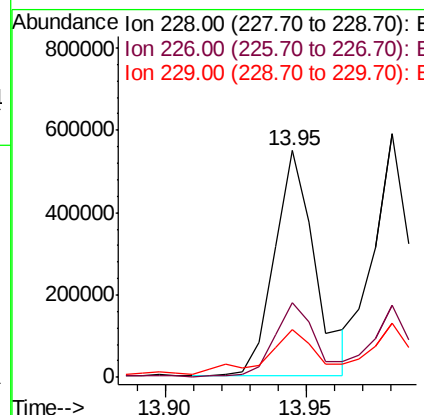
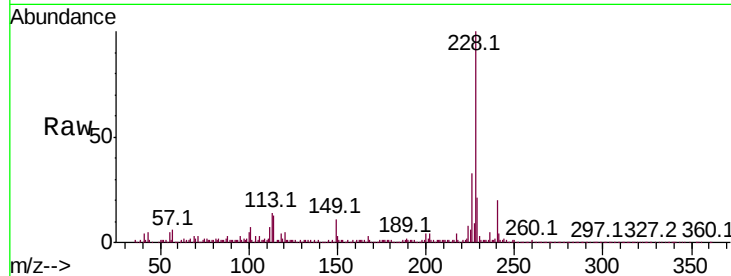
#81
Benzo(a)anthracene
Concen: 17.532 ng
RT: 13.95 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Instrument :
BNA_F
ClientSampleId :
TP-MH-F

Tot Ion	Ratio	Resp	Lower	Upper
228	100	546594		
226	33.0		22.6	34.0
229	21.2		16.3	24.5

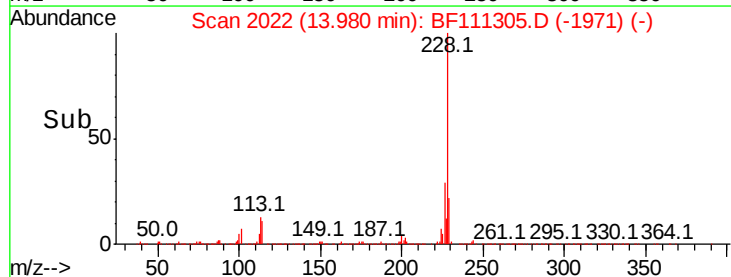
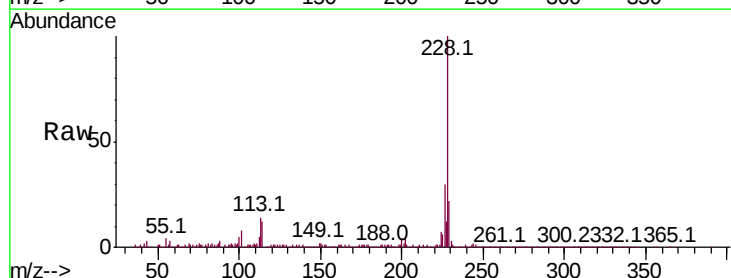
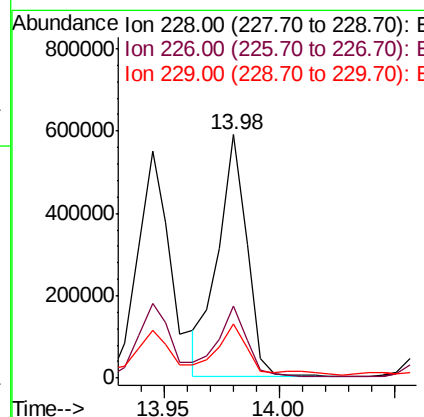
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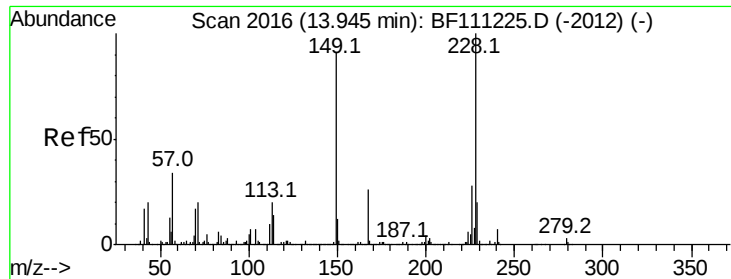
Sohil
12/12/2018 5:30:27 PM



#83
Chrysene
Concen: 15.825 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	508625		
226	29.8		25.3	37.9
229	22.2		17.2	25.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.353 ng

RT: 13.95 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BF111305.D

Acq: 12 Dec 2018 4:43

Instrument :

BNA_F

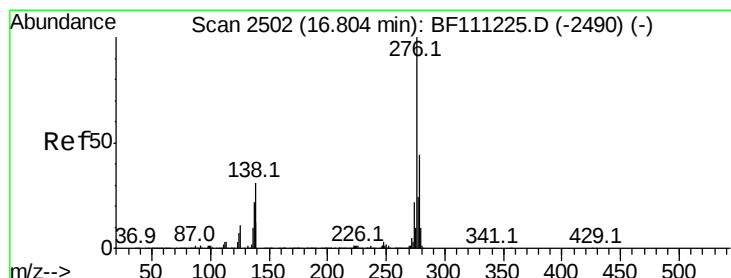
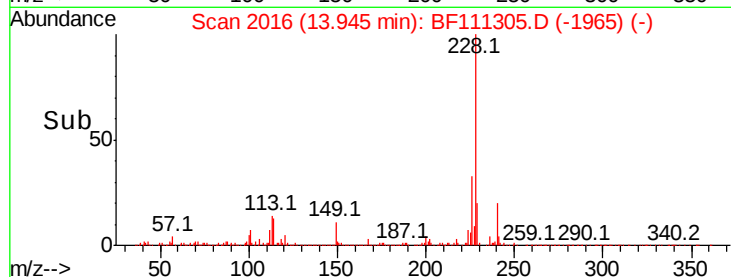
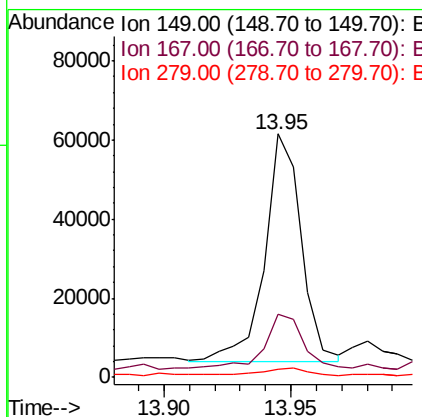
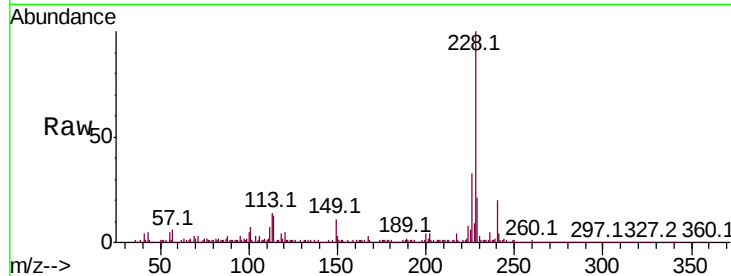
ClientSampleId :

TP-MH-F

Tot Ion:	149	Resp:	58333
Ion Ratio	Lower	Upper	
149	100		
167	25.8	22.5	33.7
279	3.2	2.6	4.0

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#86

Indeno(1,2,3-cd)pyrene

Concen: 7.034 ng

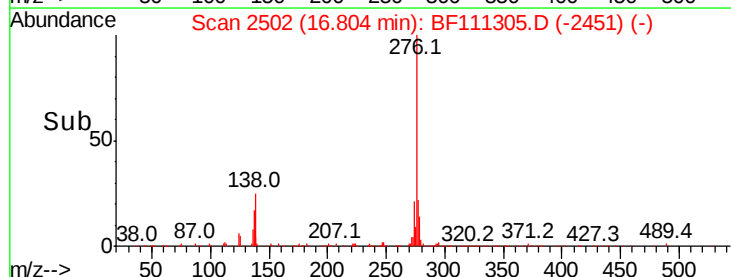
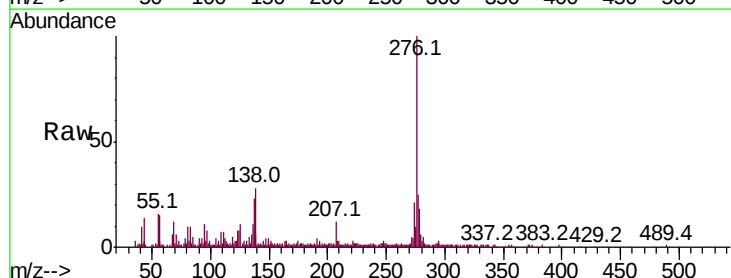
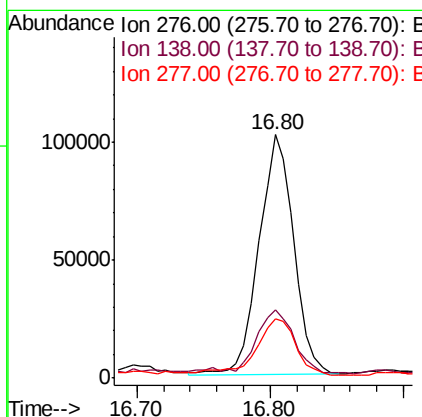
RT: 16.80 min Scan# 2502

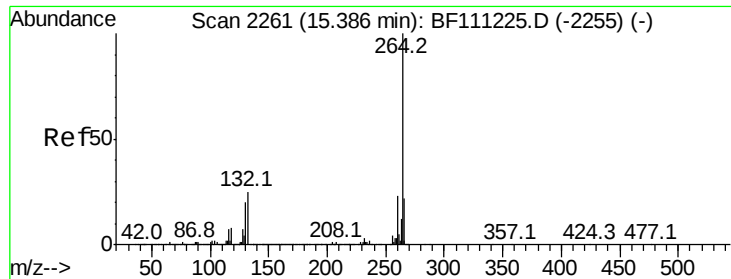
Delta R.T. -0.00 min

Lab File: BF111305.D

Acq: 12 Dec 2018 4:43

Tgt Ion:	276	Resp:	182508
Ion Ratio	Lower	Upper	
276	100		
138	28.8	27.8	41.6
277	28.3	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2263

Delta R.T. 0.01 min

Lab File: BF111305.D

Acq: 12 Dec 2018 4:43

Instrument :

BNA_F

ClientSampleId :

TP-MH-F

Tot Ion:264 Resp: 405128

Ion Ratio Lower Upper

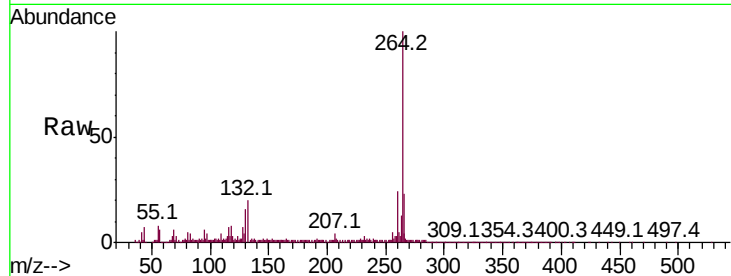
264 100

260 24.0 18.3 27.5

265 22.7 17.7 26.5

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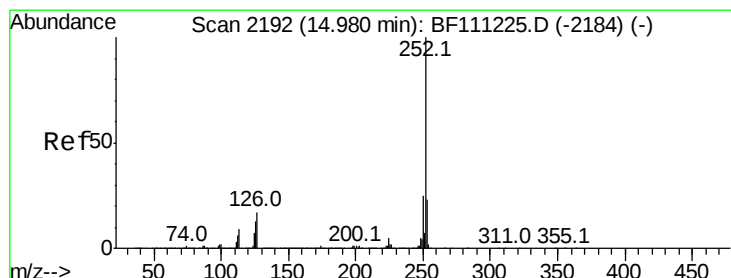
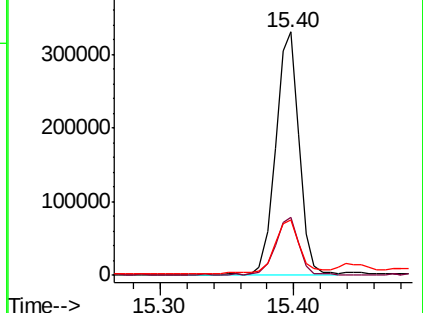
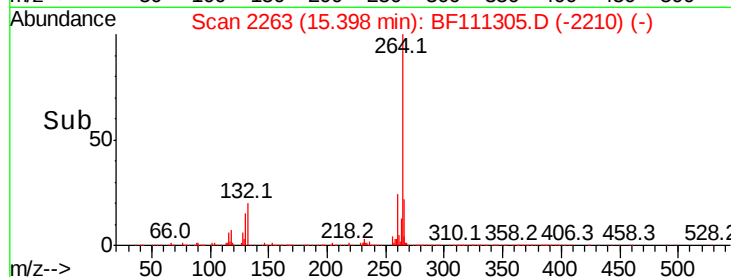
Sohil
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Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 21.154 ng m

RT: 14.98 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BF111305.D

Acq: 12 Dec 2018 4:43

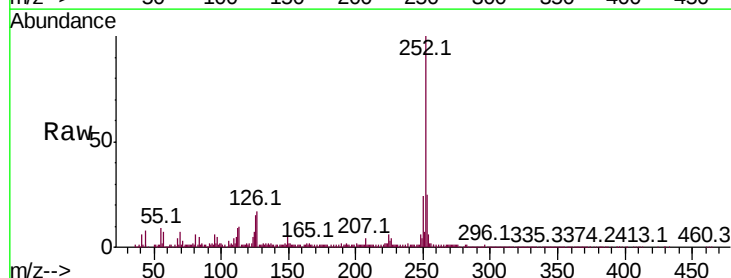
Tgt Ion:252 Resp: 473938

Ion Ratio Lower Upper

252 100

253 24.7 18.2 27.2

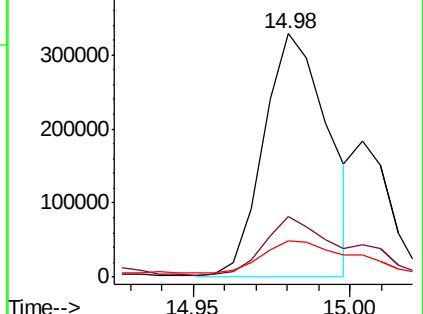
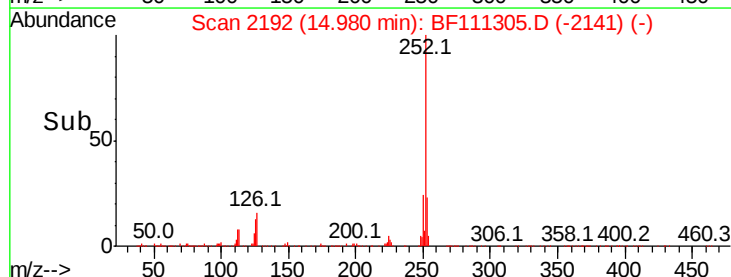
125 14.8 10.4 15.6

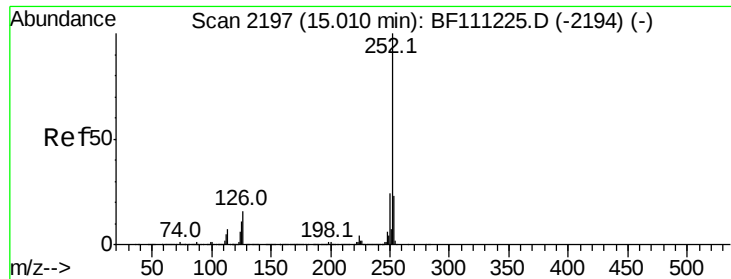


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





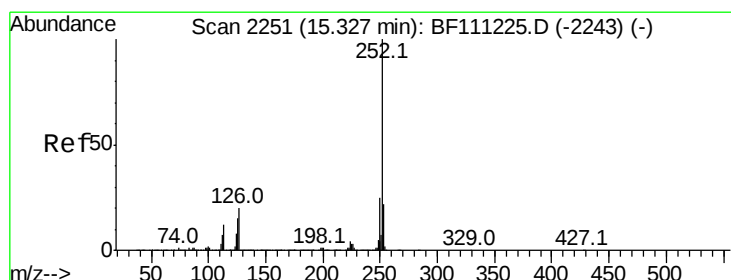
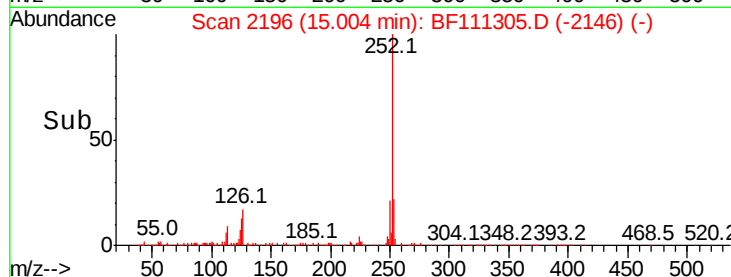
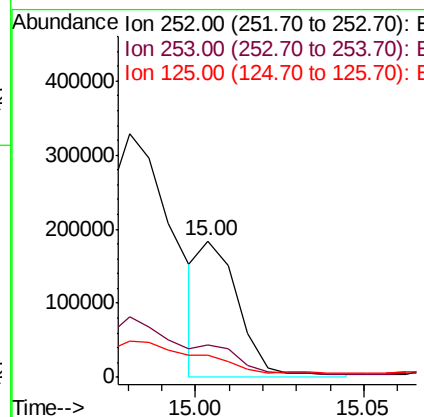
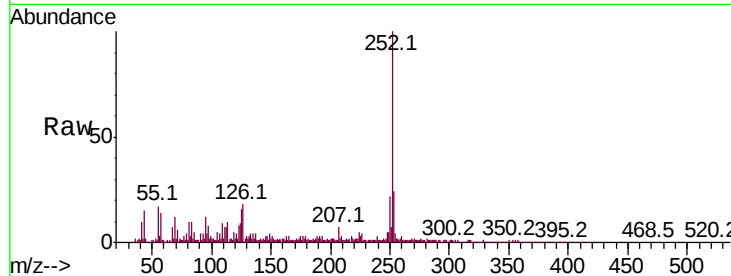
#89
Benzo(k)fluoranthene
Concen: 7.147 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Instrument :
BNA_F
ClientSampleId :
TP-MH-F

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	16.3	9.8	14.8

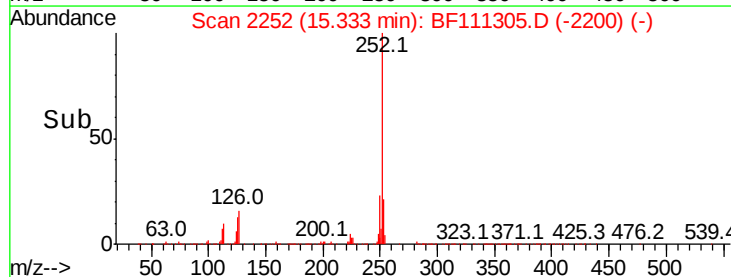
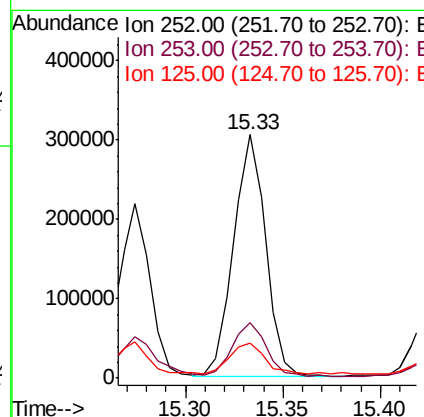
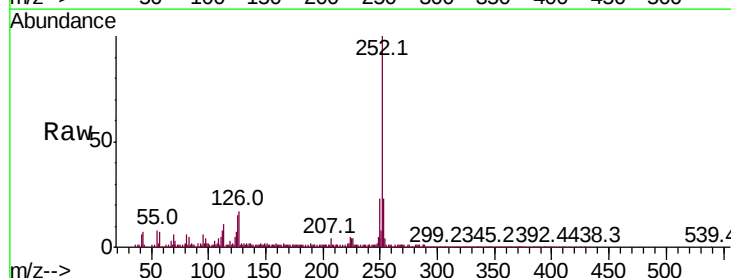
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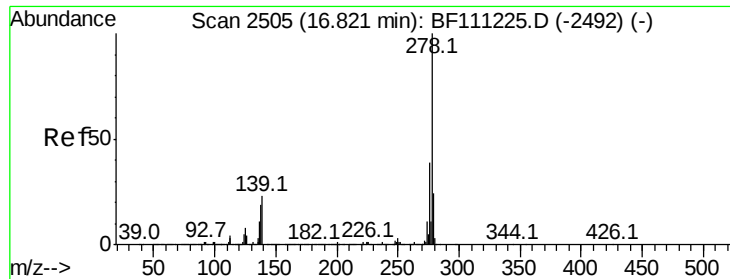
Sohil
12/12/2018 5:30:27 PM



#90
Benzo(a)pyrene
Concen: 16.783 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	14.6	12.3	18.5





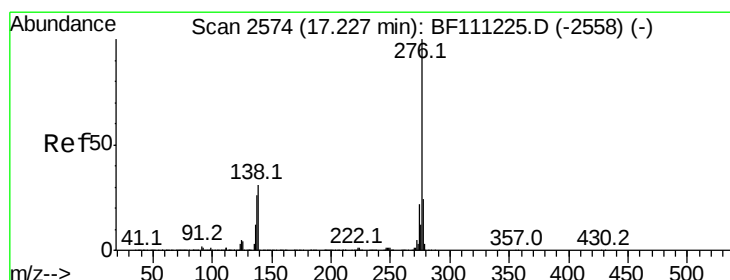
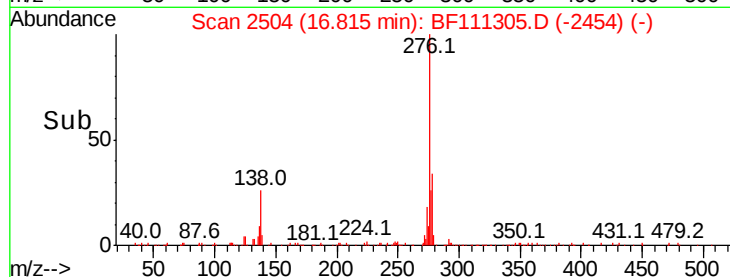
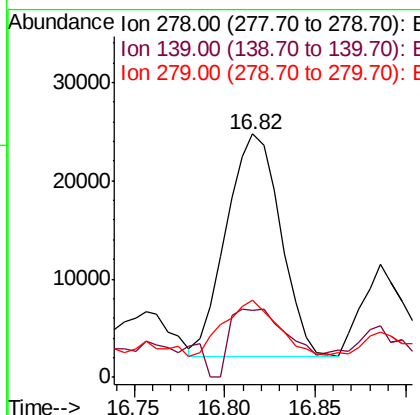
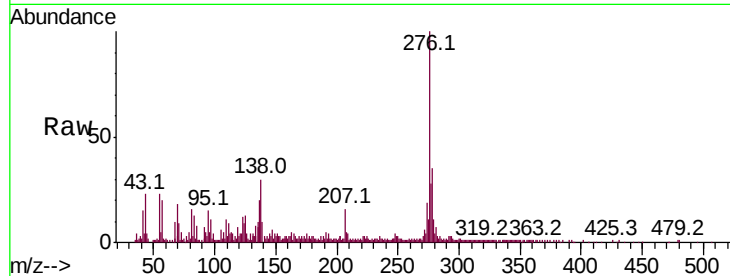
#91
Dibenzo(a,h)anthracene
Concen: 2.909 ng
RT: 16.82 min Scan# 2504
Delta R.T. -0.01 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Instrument :
BNA_F
ClientSampleId :
TP-MH-F

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.7	18.2	27.4#
279	31.6	19.0	28.6#

Manual Integrations
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12/12/2018 5:30:27 PM



#92
Benzo(g,h,i)perylene
Concen: 12.463 ng
RT: 17.23 min Scan# 2575
Delta R.T. 0.01 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.1	19.2	28.8
138	28.6	24.9	37.3

