

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
 Data File : BF111350.D
 Acq On : 13 Dec 2018 4:51
 Operator : JU/SJ
 Sample : J6148-03DL 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-MH-JDL

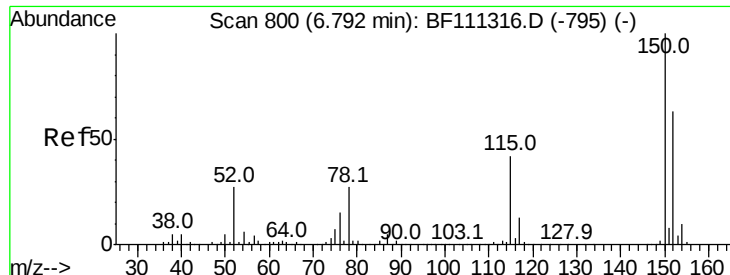
Manual Integrations
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 12/13/2018 6:07:19 PM

Quant Time: Dec 13 05:45:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	230562	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	847696	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	388790	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	625525	20.00	ng	0.00
76) Chrysene-d12	13.95	240	377604	20.00	ng	0.00
87) Perylene-d12	15.39	264	328224	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	670839	49.20	ng	0.00
7) Phenol-d6	6.42	99	842494	45.83	ng	-0.01
23) Nitrobenzene-d5	7.35	82	443011	29.46	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	131568	38.39	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	828057	34.19	ng	0.00
79) Terphenyl-d14	12.90	244	596167	34.75	ng	0.00
Target Compounds						
10) Phenol	6.43	94	67264	3.230	ng	98
49) Acenaphthylene	9.69	152	326656	8.801	ng	# 94
50) Dimethylphthalate	9.55	163	64544	2.309	ng	98
58) Fluorene	10.37	166	50818	2.102	ng	99
71) Phenanthrene	11.34	178	492626	15.237	ng	94
72) Anthracene	11.39	178	219683	6.673	ng	94
75) Fluoranthene	12.53	202	876301	27.763	ng	98
78) Pyrene	12.76	202	1026854	35.236	ng	96
80) Butylbenzylphthalate	13.38	149	942297	67.344	ng	95
81) Benzo(a)anthracene	13.94	228	419605m	19.861	ng	
83) Chrysene	13.98	228	460577	21.367	ng	97
84) Bis(2-ethylhexyl)phthalate	13.94	149	54875	3.208	ng	# 96
86) Indeno(1,2,3-cd)pyrene	16.80	276	183044	10.857	ng	93
88) Benzo(b)fluoranthene	14.98	252	517932m	27.750	ng	
89) Benzo(k)fluoranthene	15.00	252	137258m	7.368	ng	
90) Benzo(a)pyrene	15.33	252	312463	17.980	ng	98
91) Dibenzo(a,h)anthracene	16.81	278	55121	3.812	ng	# 89
92) Benzo(g,h,i)perylene	17.23	276	175668	12.153	ng	100

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



#1

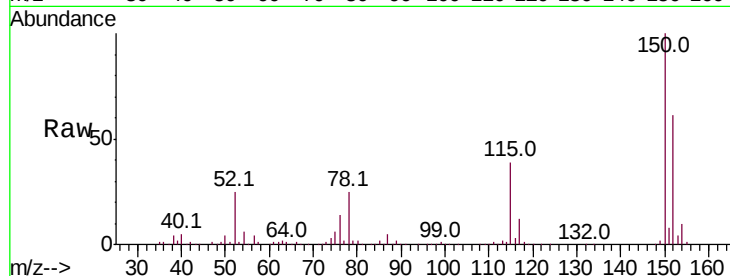
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF111350.D
Acq: 13 Dec 2018 4:51

Instrument :
BNA_F
ClientSampleId :
TP-MH-JDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.6	126.6	189.8
115	62.7	50.7	76.1

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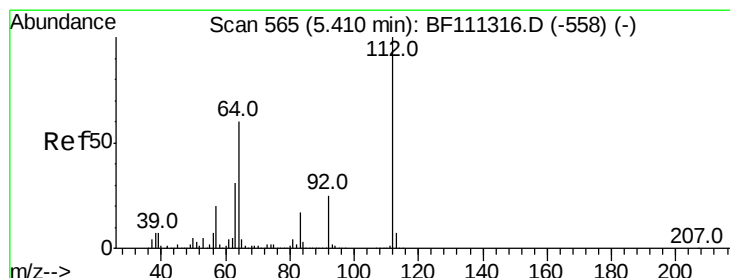
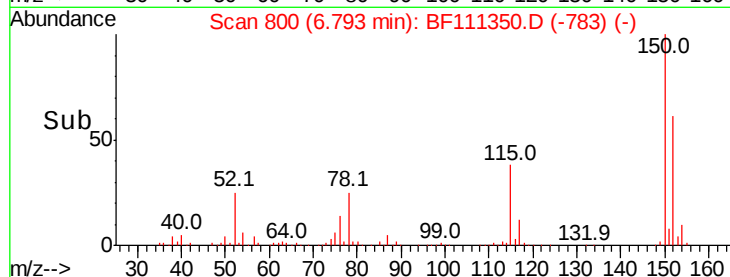
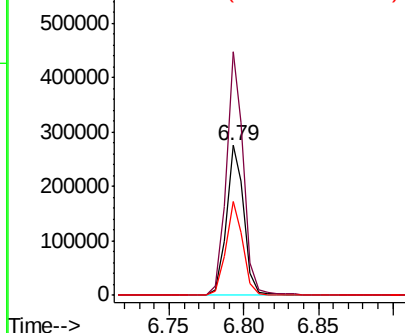


Abundance

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: 49.202 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: BF111350.D
Acq: 13 Dec 2018 4:51

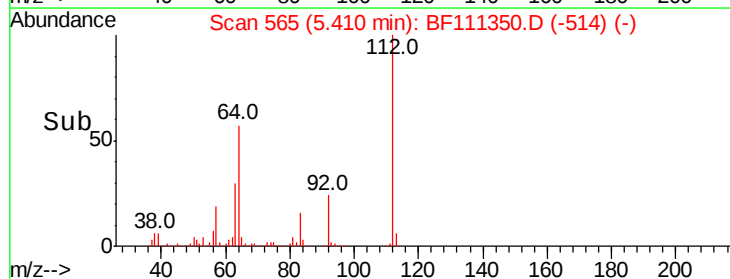
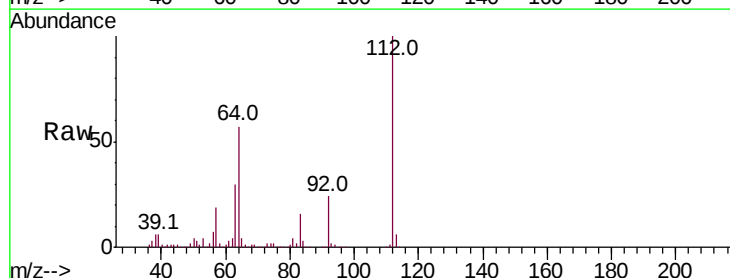
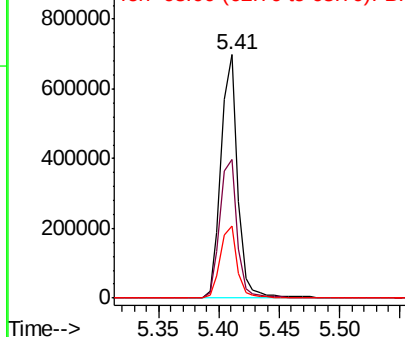
Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	51.8	77.6
63	29.6	26.8	40.2

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: 45.830 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF111350.D

Acq: 13 Dec 2018 4:51

Instrument :

BNA_F

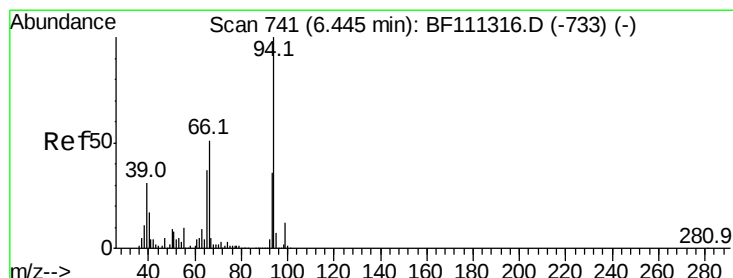
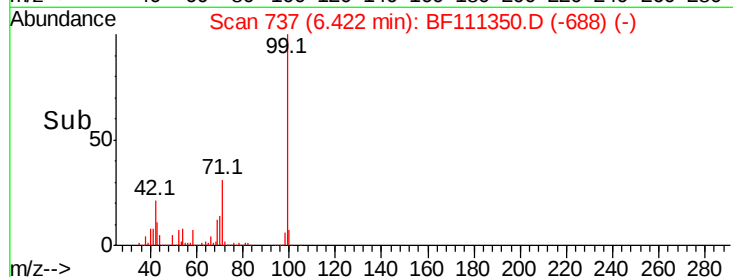
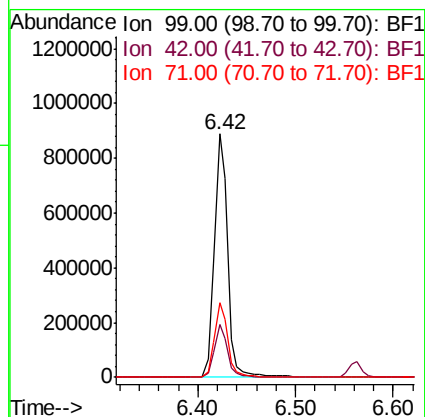
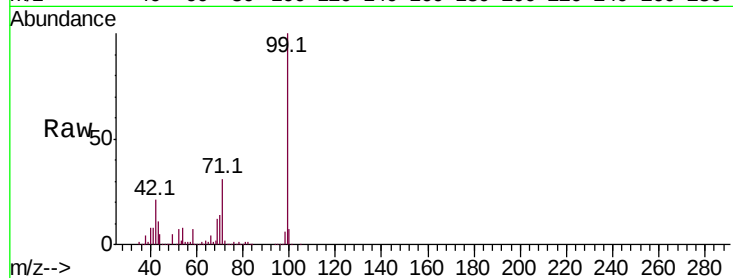
ClientSampled :

TP-MH-JDL

Tot Ion:	99	Resp:	842494
Ion Ratio	Lower	Upper	
99	100		
42	21.5	17.4	26.0
71	30.9	26.1	39.1

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#10

Phenol

Concen: 3.230 ng

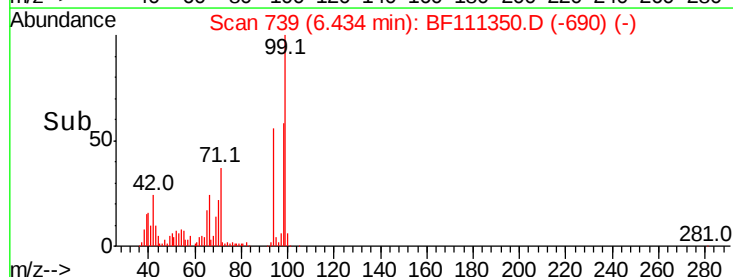
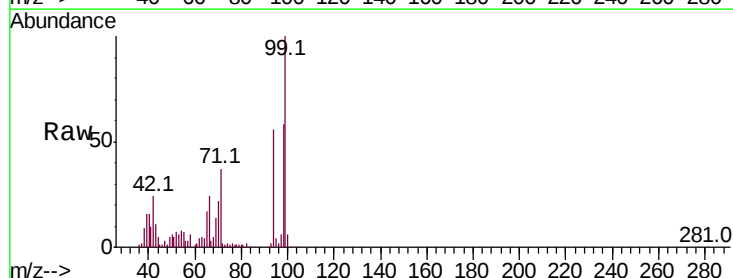
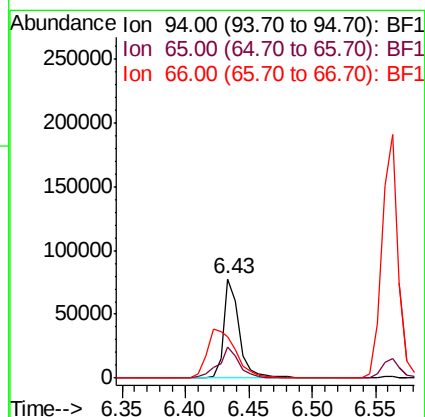
RT: 6.43 min Scan# 739

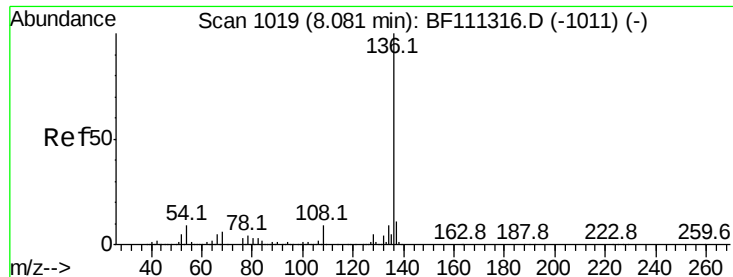
Delta R.T. -0.01 min

Lab File: BF111350.D

Acq: 13 Dec 2018 4:51

Tgt Ion:	94	Resp:	67264
Ion Ratio	Lower	Upper	
94	100		
65	30.9	11.7	51.7
66	42.2	21.0	61.0





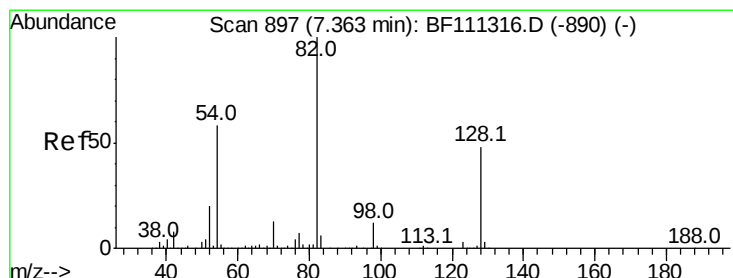
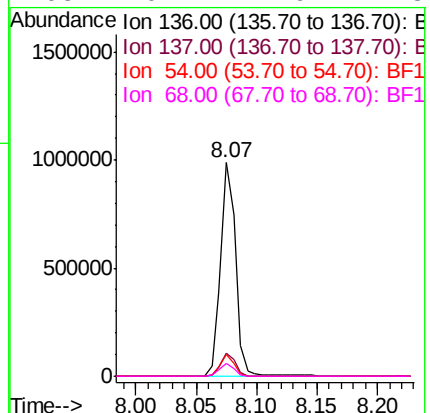
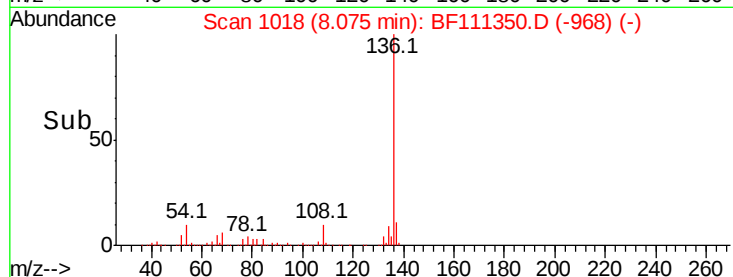
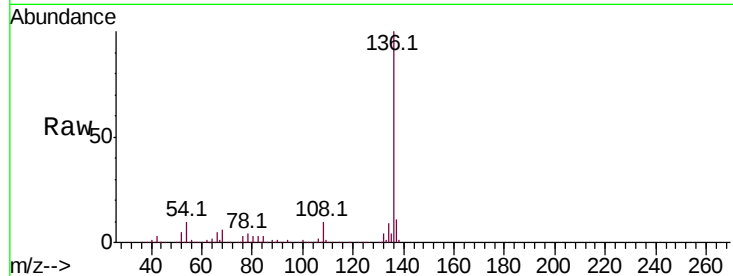
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111350.D
Acq: 13 Dec 2018 4:51

Instrument :
BNA_F
ClientSampleId :
TP-MH-JDL

Tot Ion	Ratio	Resp	Lower	Upper
136	100	847696		
137	11.0		9.1	13.7
54	9.9		7.7	11.5
68	6.2		4.9	7.3

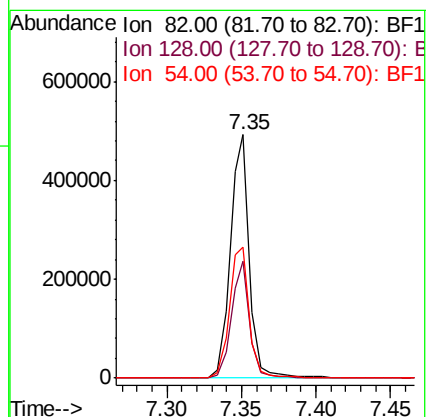
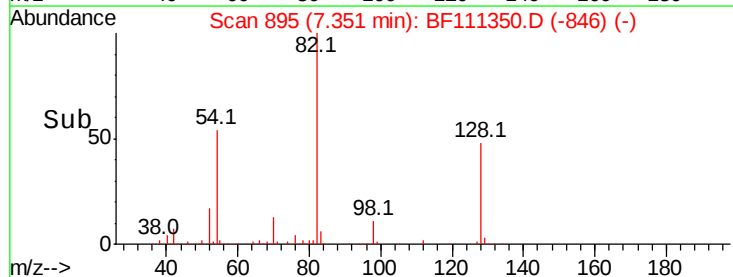
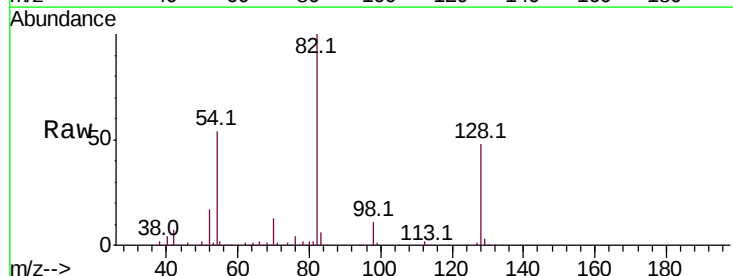
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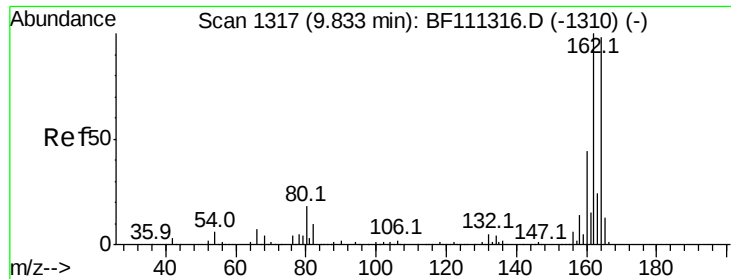
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#23
Nitrobenzene-d5
Concen: 29.456 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111350.D
Acq: 13 Dec 2018 4:51

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	443011		
128	47.8		37.4	56.2
54	53.9		47.6	71.4





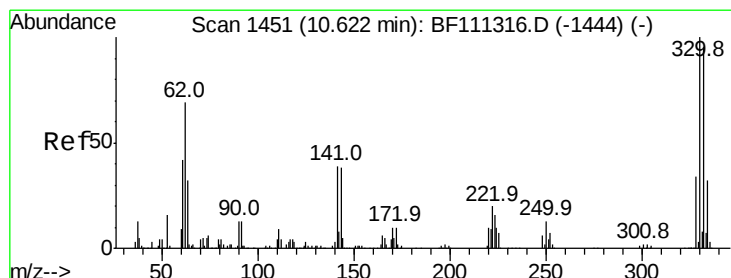
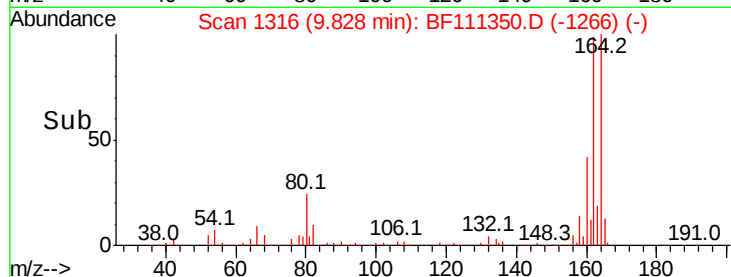
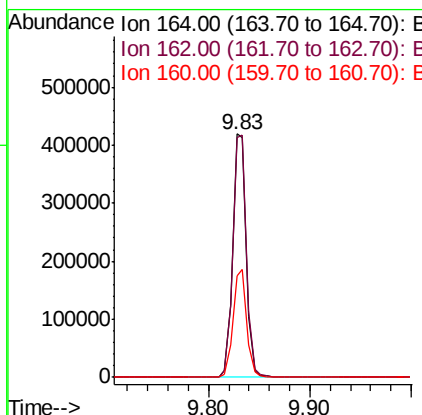
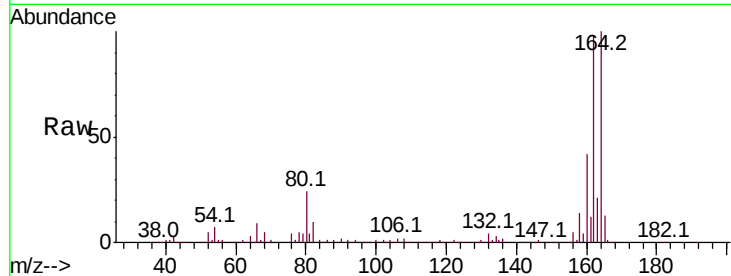
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111350.D
Acq: 13 Dec 2018 4:51

Instrument :
BNA_F
ClientSampleId :
TP-MH-JDL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	98.4	81.4	122.0	
160	41.5	35.7	53.5	

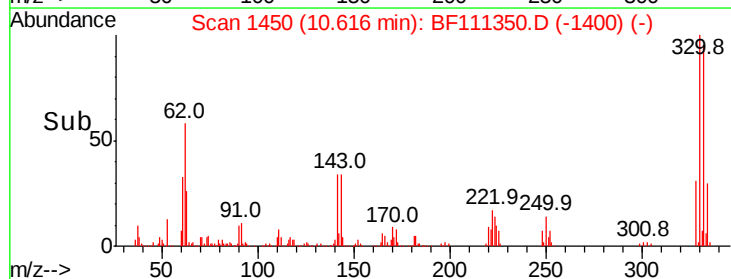
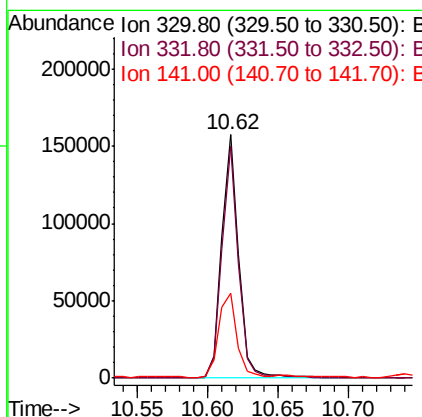
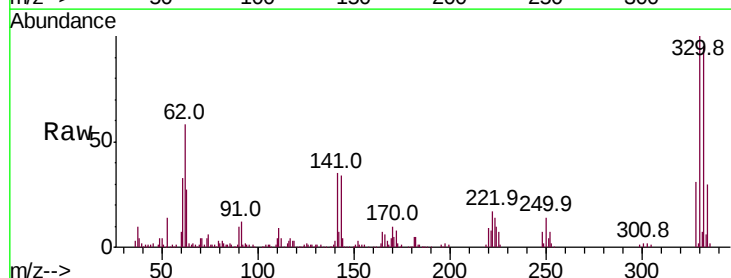
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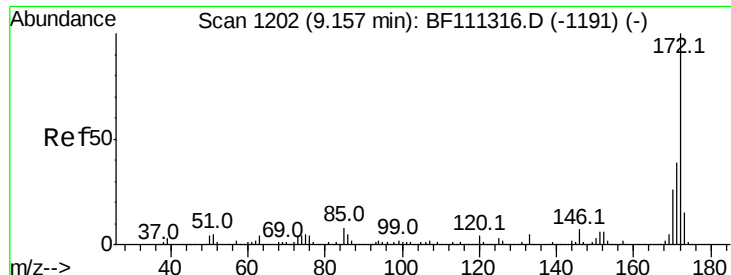
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#42
2,4,6-Tribromophenol
Concen: 38.389 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111350.D
Acq: 13 Dec 2018 4:51

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	93.6	76.0	114.0	
141	36.6	31.0	46.6	





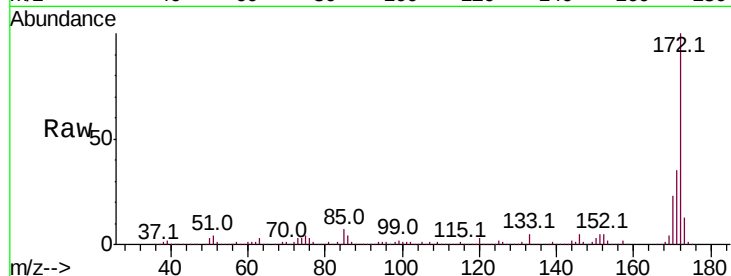
#45
2-Fluorobiphenyl
Concen: 34.194 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111350.D
Acq: 13 Dec 2018 4:51

Instrument :
BNA_F
ClientSampled :
TP-MH-JDL

Tot Ion	Ratio	Resp	Lower	Upper
172	100	828057		
171	35.2		33.0	49.4
170	23.4		22.3	33.5

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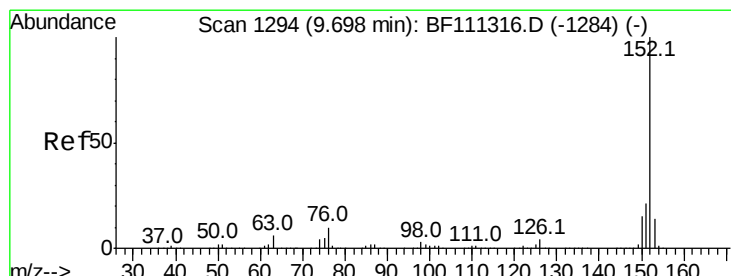
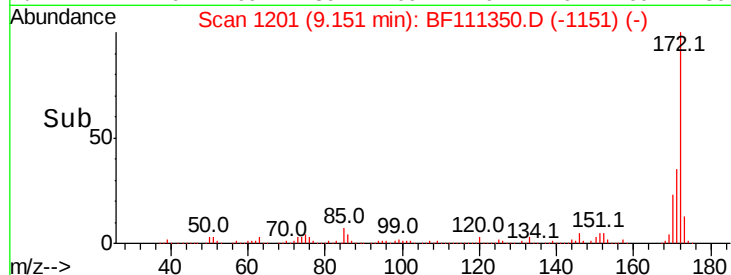
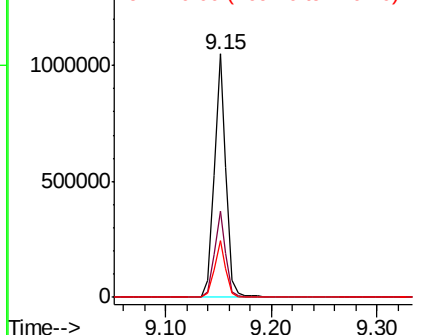


Abundance

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: 8.801 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF111350.D
Acq: 13 Dec 2018 4:51

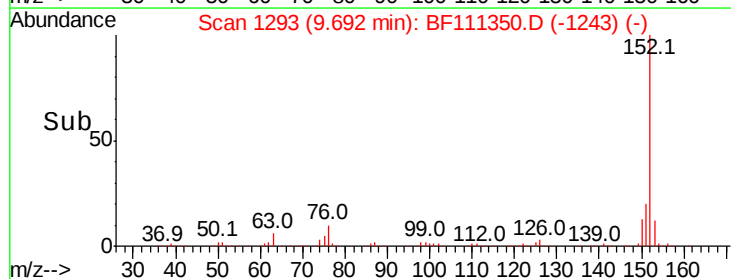
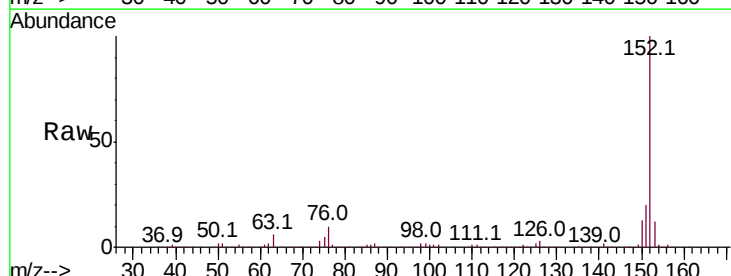
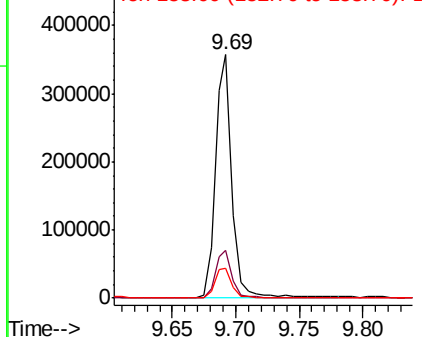
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	326656		
151	19.9		18.0	27.0
153	12.3		12.3	18.5

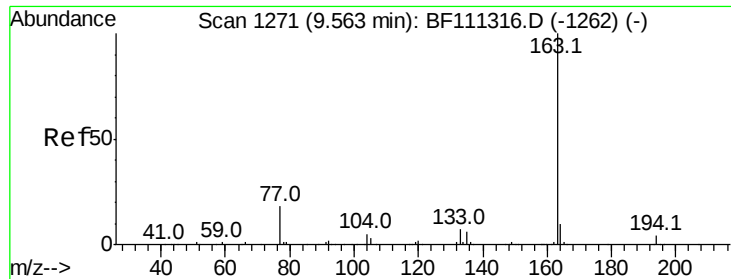
Abundance

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





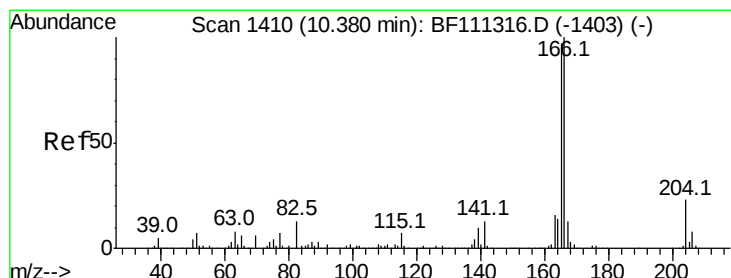
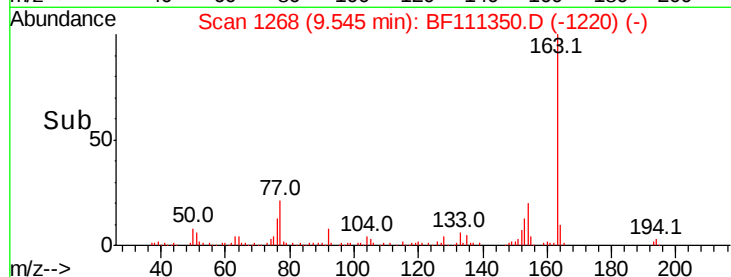
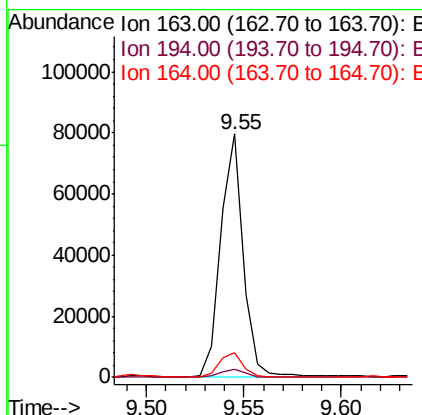
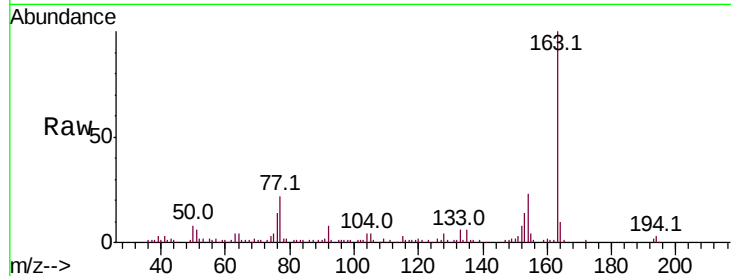
#50
Dimethylphthalate
Concen: 2.309 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF111350.D
Acq: 13 Dec 2018 4:51

Instrument :
BNA_F
ClientSampled :
TP-MH-JDL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	64544		
194	3.1		3.0	4.6
164	10.3		8.9	13.3

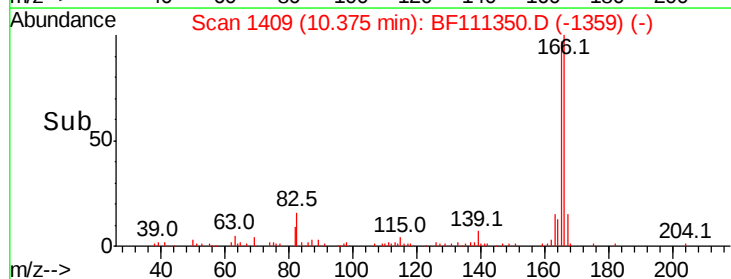
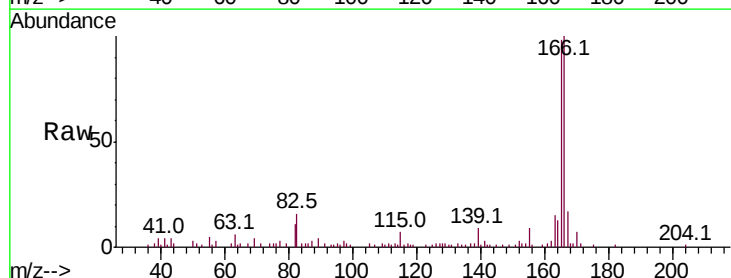
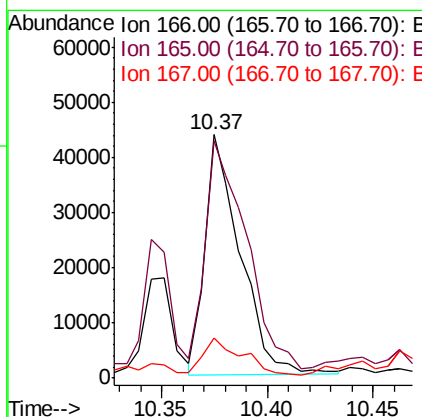
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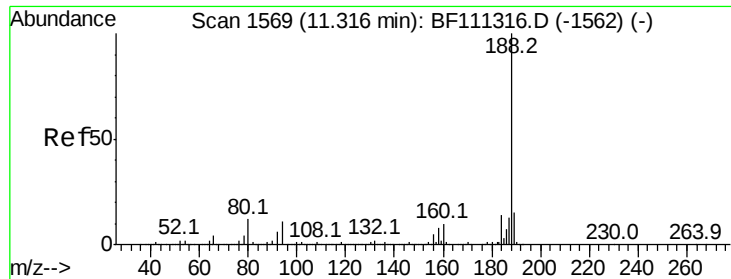
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#58
Fluorene
Concen: 2.102 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF111350.D
Acq: 13 Dec 2018 4:51

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	50818		
165	97.7		78.4	117.6
167	16.5		11.2	16.8





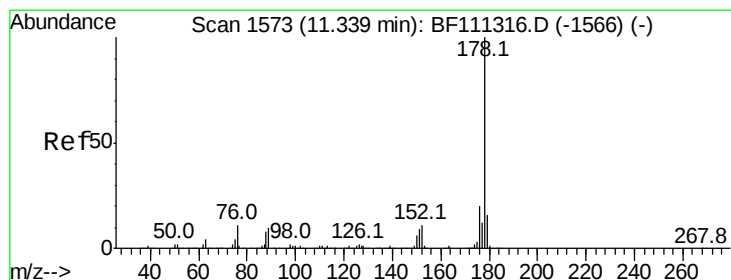
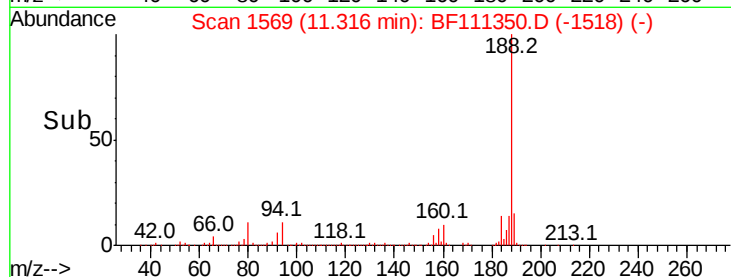
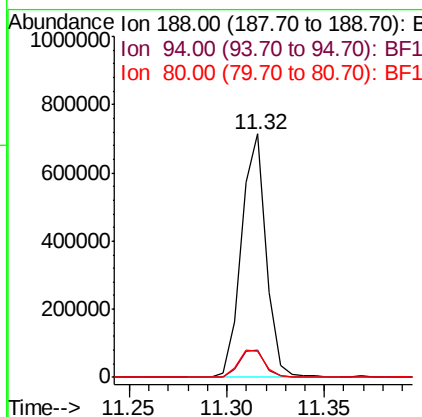
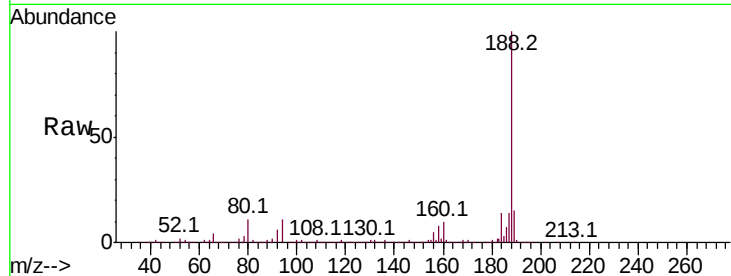
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF111350.D
Acq: 13 Dec 2018 4:51

Instrument :
BNA_F
ClientSampleId :
TP-MH-JDL

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.2	9.6	14.4
80	10.9	9.8	14.6

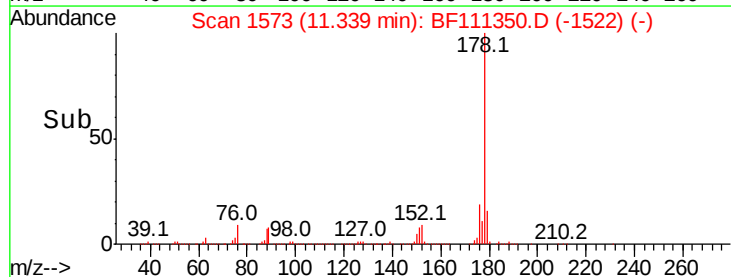
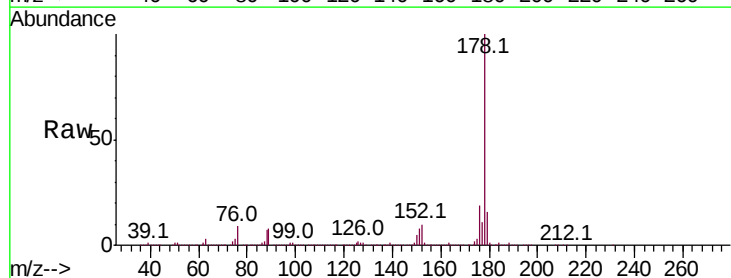
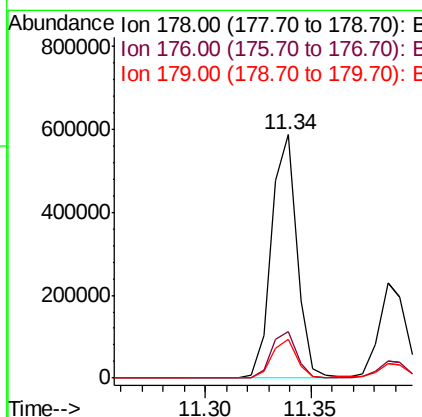
Manual Integrations
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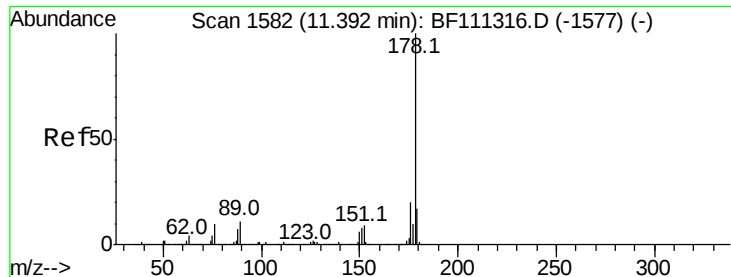
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#71
Phenanthrene
Concen: 15.237 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF111350.D
Acq: 13 Dec 2018 4:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.8	18.1	27.1
179	15.8	14.0	21.0





#72

Anthracene

Concen: 6.673 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF111350.D

Acq: 13 Dec 2018 4:51

Instrument :

BNA_F

ClientSampleId :

TP-MH-JDL

Tot Ion:178 Resp: 219683

Ion Ratio Lower Upper

178 100

176 17.9 17.2 25.8

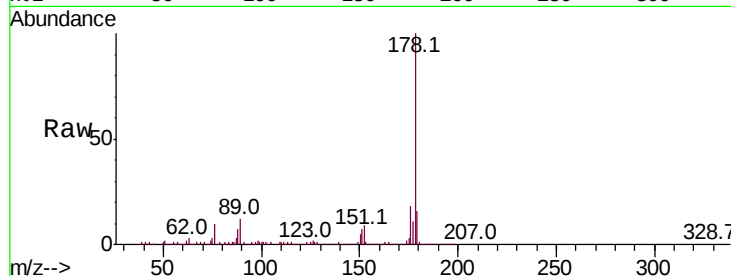
179 15.7 13.8 20.8

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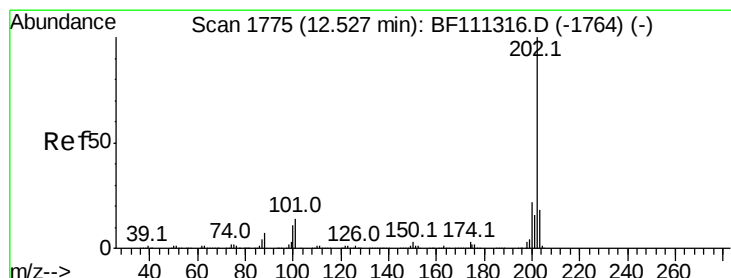
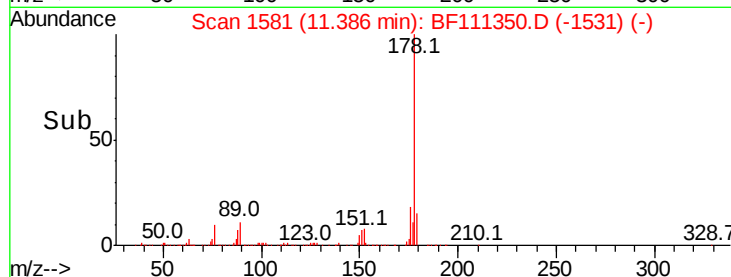
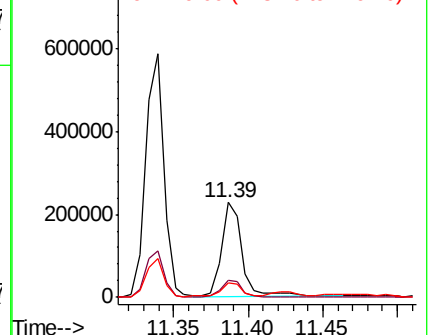
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 27.763 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF111350.D

Acq: 13 Dec 2018 4:51

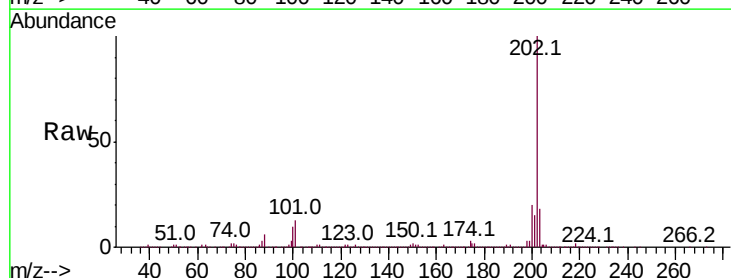
Tgt Ion:202 Resp: 876301

Ion Ratio Lower Upper

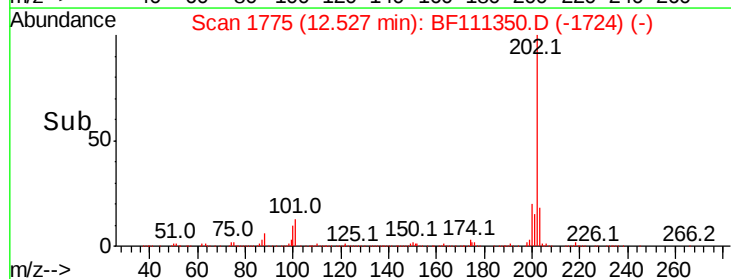
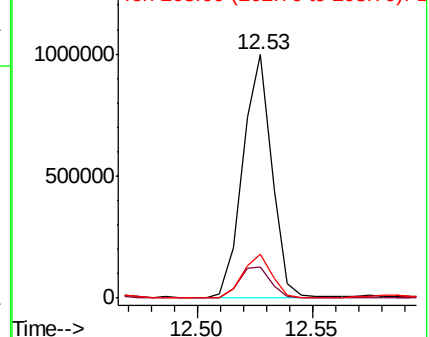
202 100

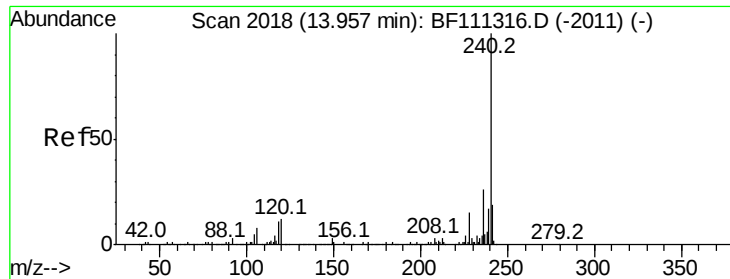
101 12.9 0.0 33.8

203 17.9 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF111350.D

Acq: 13 Dec 2018 4:51

Instrument :

BNA_F

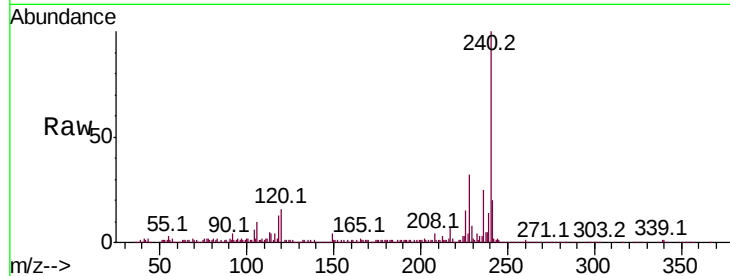
ClientSampled :

TP-MH-JDL

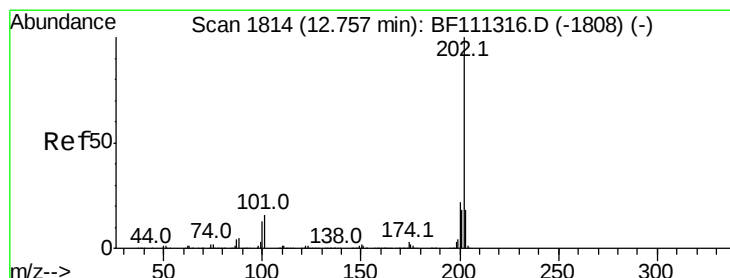
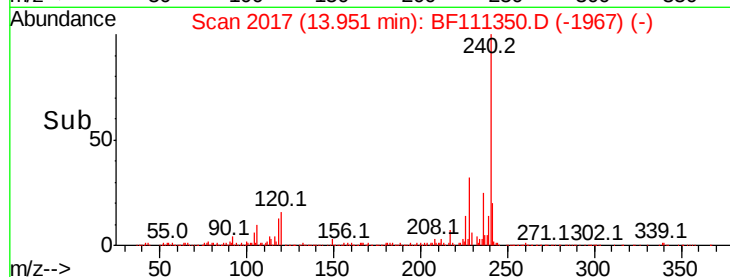
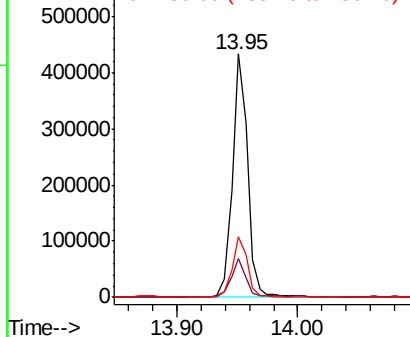
Tot Ion:	240	Resp:	377604
Ion Ratio	Lower	Upper	
240	100		
120	16.1	12.2	18.2
236	24.7	20.2	30.2

Manual Integrations
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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: 35.236 ng

RT: 12.76 min Scan# 1814

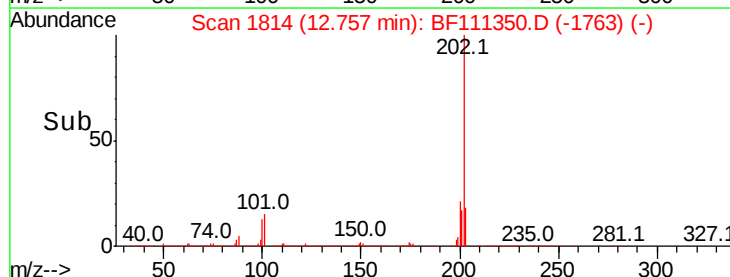
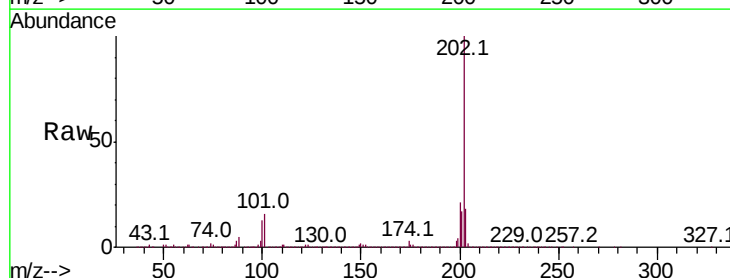
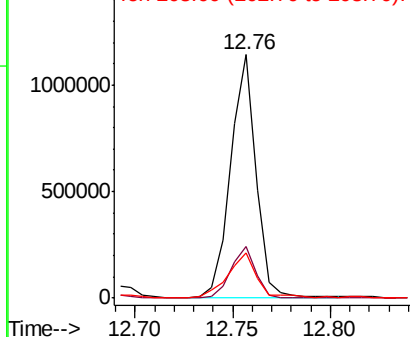
Delta R.T. 0.00 min

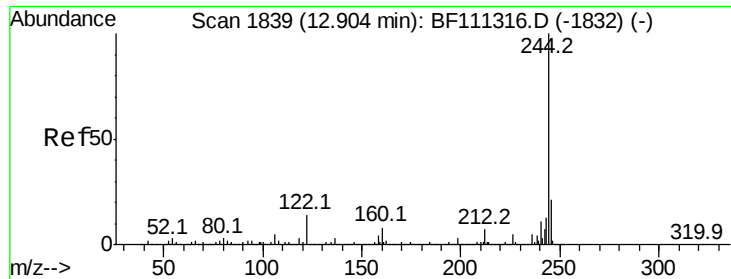
Lab File: BF111350.D

Acq: 13 Dec 2018 4:51

Tgt Ion:	202	Resp:	1026854
Ion Ratio	Lower	Upper	
202	100		
200	21.0	19.0	28.4
203	18.4	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





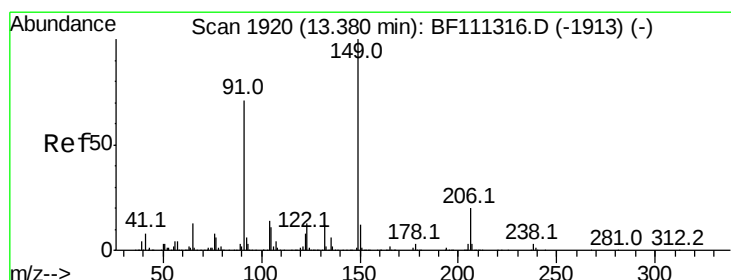
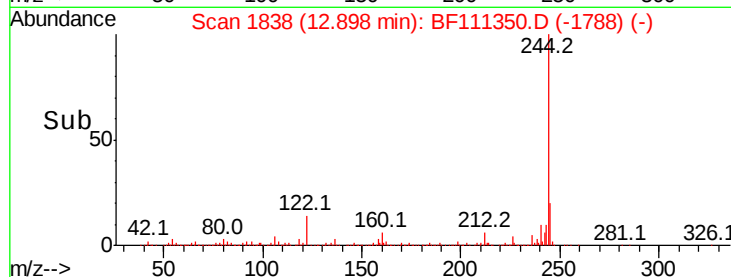
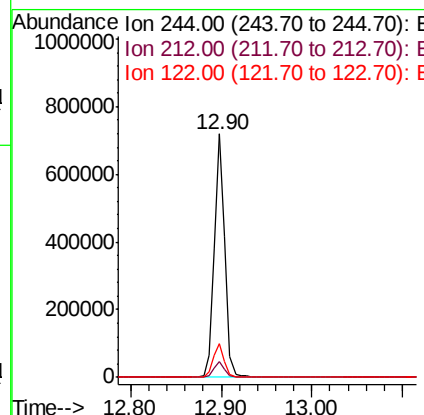
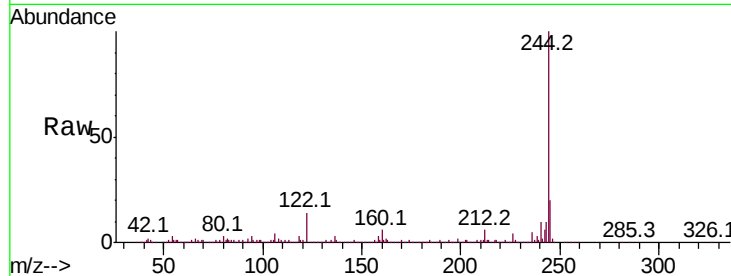
#79
Terphenyl-d14
Concen: 34.749 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BF111350.D
Acq: 13 Dec 2018 4:51

Instrument :
BNA_F
ClientSampled :
TP-MH-JDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.7	8.5
122	13.9	13.1	19.7

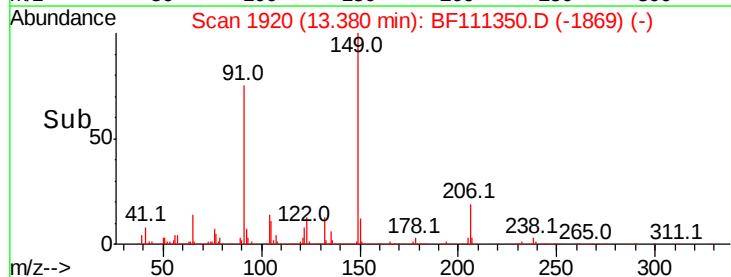
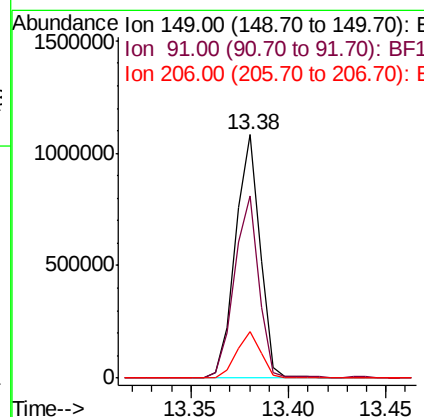
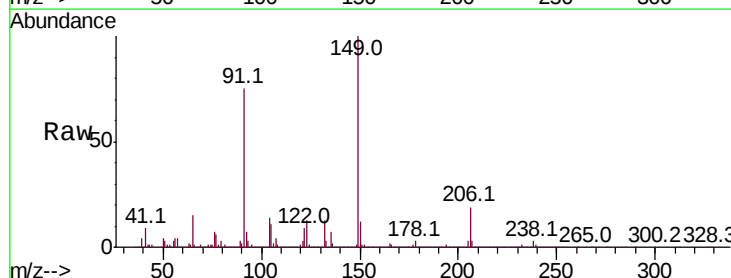
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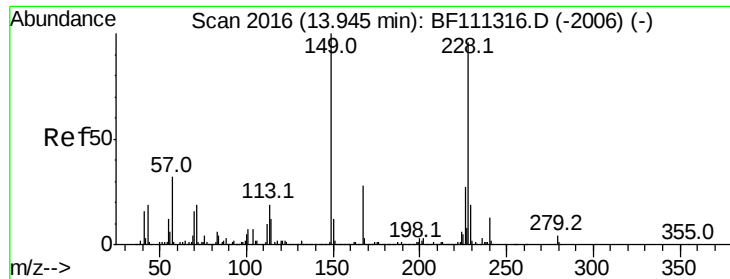
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#80
Butylbenzylphthalate
Concen: 67.344 ng
RT: 13.38 min Scan# 1920
Delta R.T. 0.00 min
Lab File: BF111350.D
Acq: 13 Dec 2018 4:51

Tgt Ion	Ratio	Lower	Upper
149	100		
91	74.8	63.8	95.6
206	19.2	15.1	22.7





#81

Benzo(a)anthracene

Concen: 19.861 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF111350.D

Acq: 13 Dec 2018 4:51

Instrument :

BNA_F

ClientSampleId :

TP-MH-JDL

Tot Ion:228 Resp: 419605

Ion Ratio Lower Upper

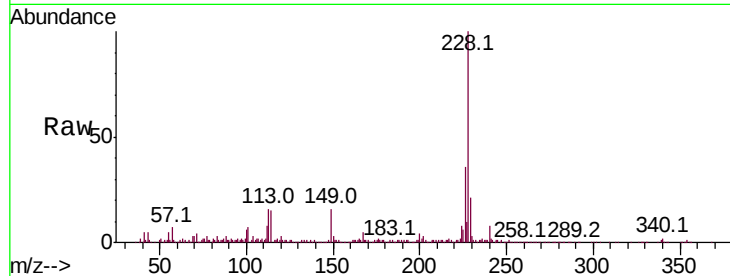
228 100

226 36.0 22.6 34.0#

229 21.3 16.3 24.5

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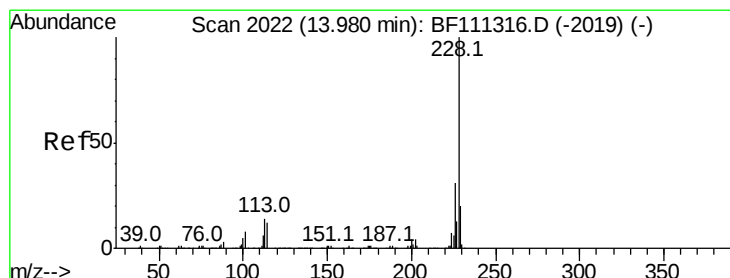
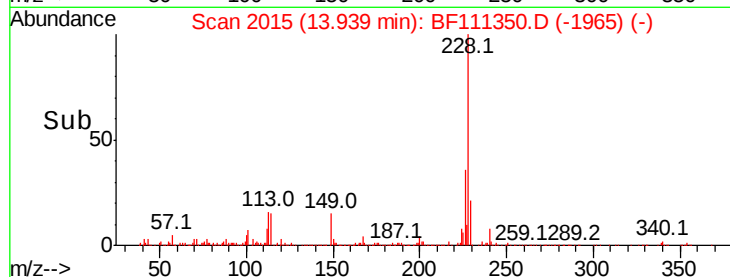
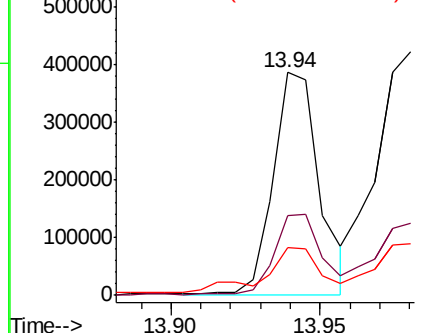
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 21.367 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF111350.D

Acq: 13 Dec 2018 4:51

Tgt Ion:228 Resp: 460577

Ion Ratio Lower Upper

228 100

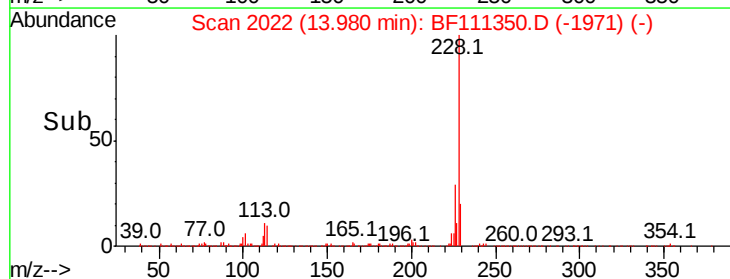
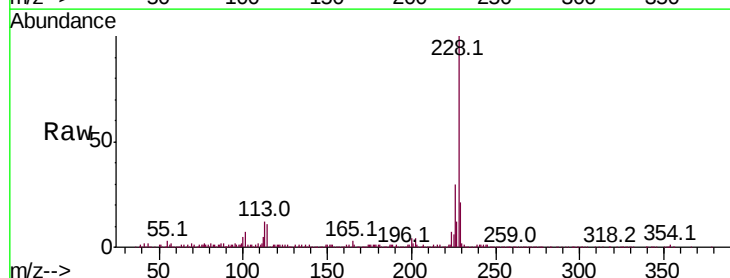
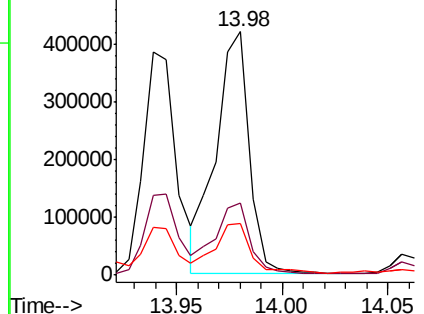
226 29.5 25.3 37.9

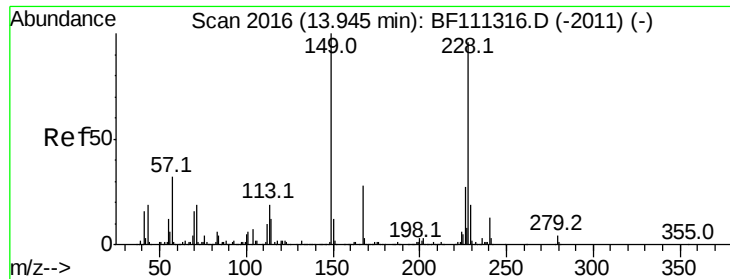
229 21.2 17.2 25.8

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.208 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF111350.D

Acq: 13 Dec 2018 4:51

Instrument :

BNA_F

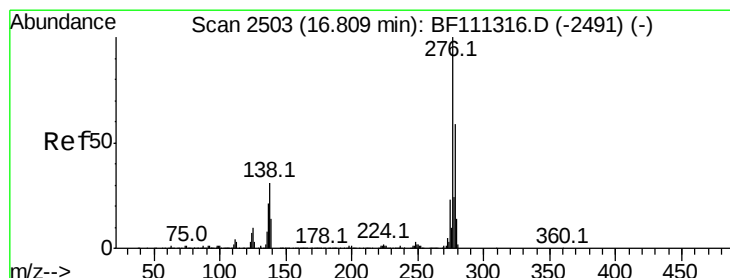
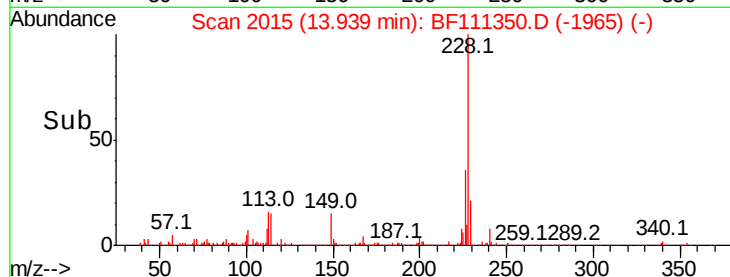
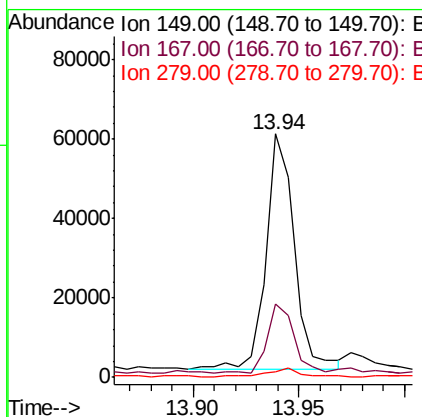
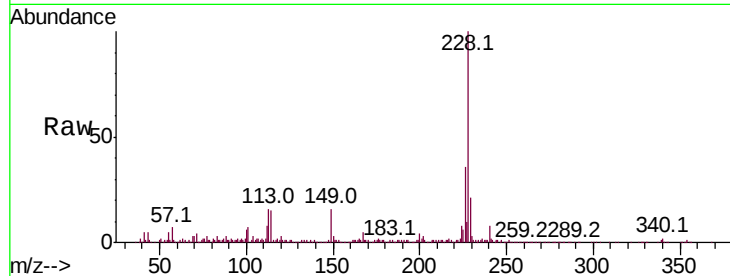
ClientSampled :

TP-MH-JDL

Tot Ion:	149	Resp:	54875
Ion Ratio	Lower	Upper	
149	100		
167	30.1	22.5	33.7
279	2.4	2.6	4.0#

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#86

Indeno(1,2,3-cd)pyrene

Concen: 10.857 ng

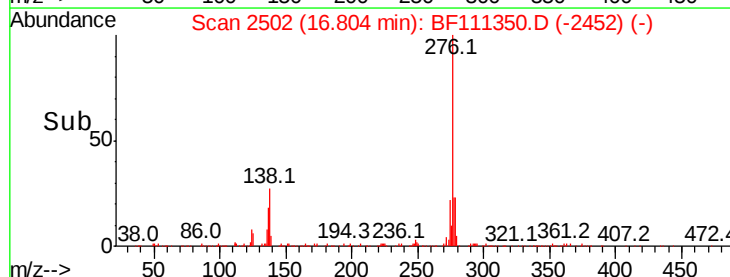
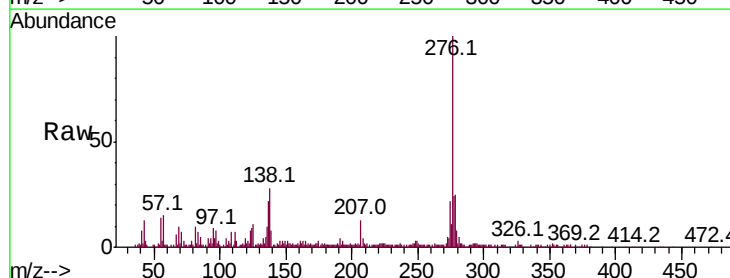
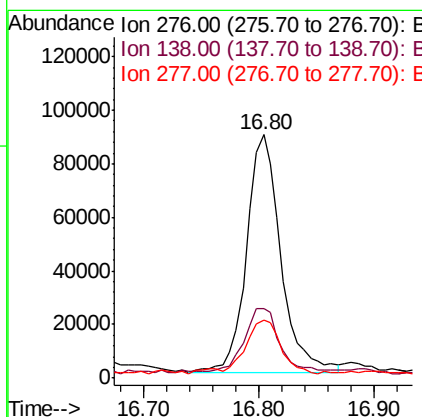
RT: 16.80 min Scan# 2502

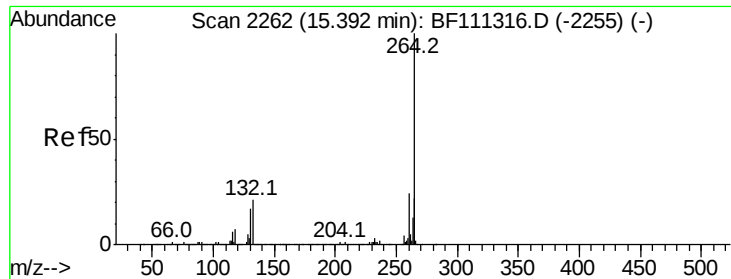
Delta R.T. -0.01 min

Lab File: BF111350.D

Acq: 13 Dec 2018 4:51

Tgt Ion:	276	Resp:	183044
Ion Ratio	Lower	Upper	
276	100		
138	28.6	27.8	41.6
277	24.5	20.1	30.1





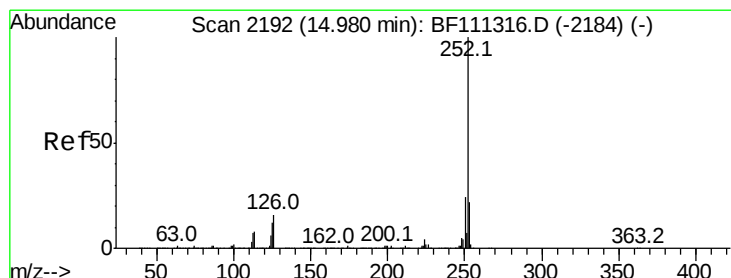
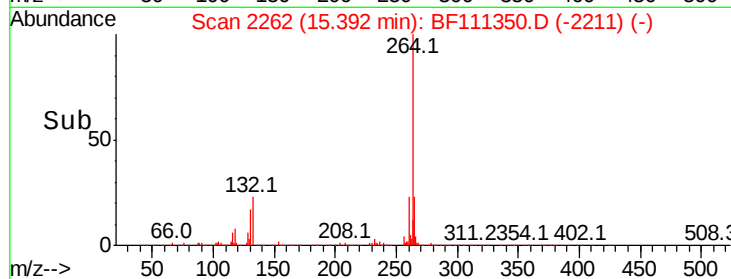
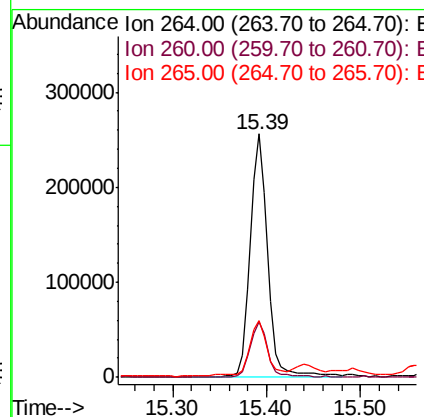
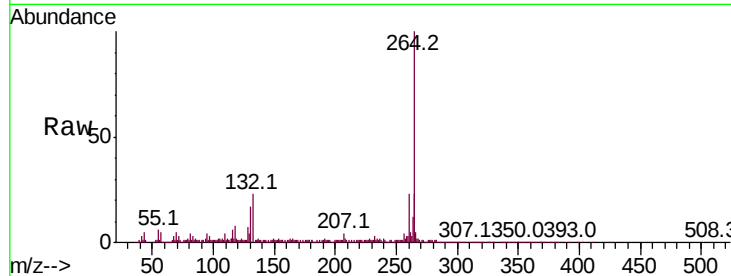
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.00 min
Lab File: BF111350.D
Acq: 13 Dec 2018 4:51

Instrument :
BNA_F
ClientSampleId :
TP-MH-JDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.3	27.5
265	23.1	17.7	26.5

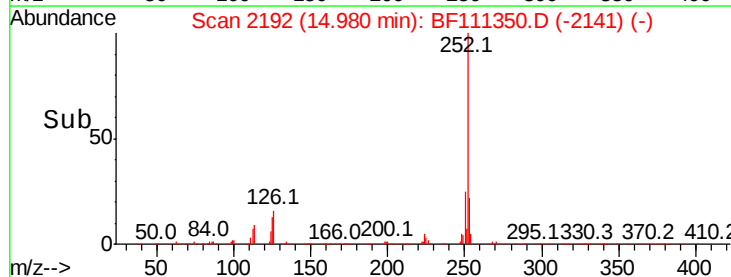
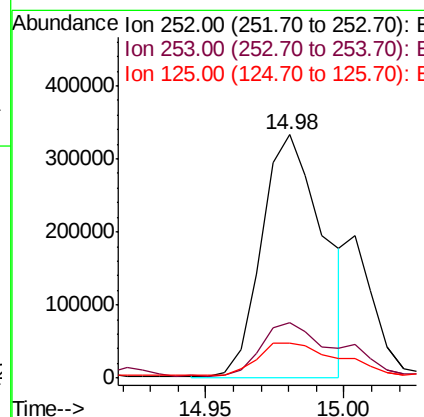
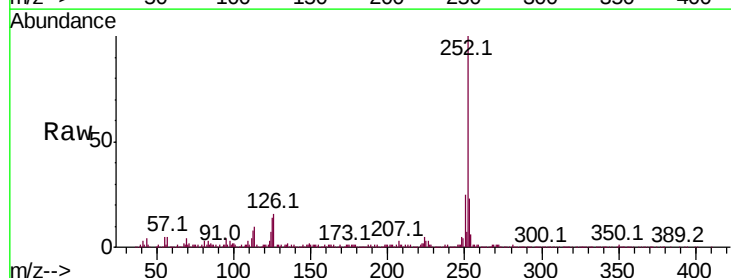
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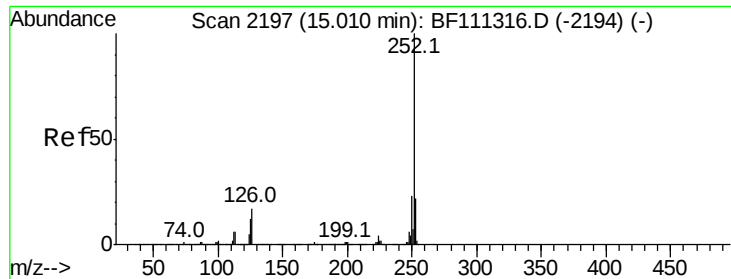
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#88
Benzo(b)fluoranthene
Concen: 27.750 ng m
RT: 14.98 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF111350.D
Acq: 13 Dec 2018 4:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	14.2	10.4	15.6





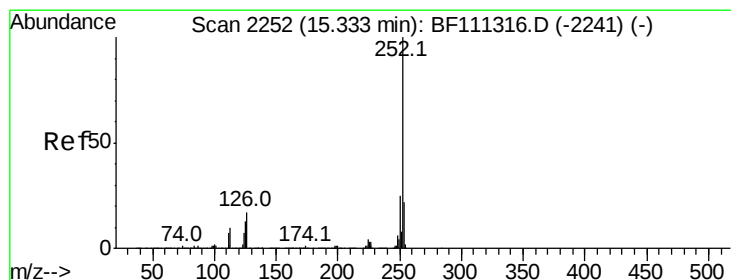
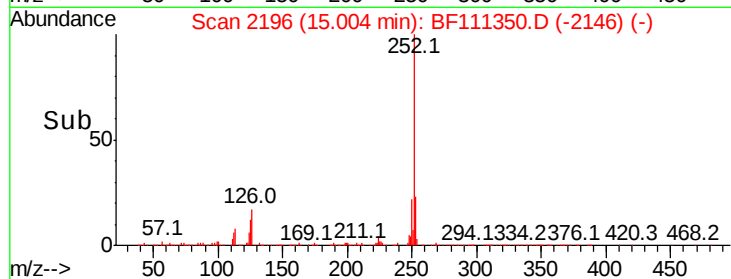
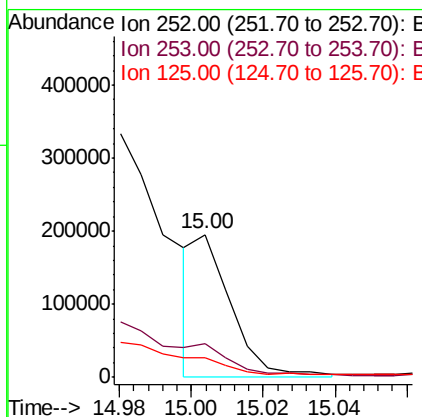
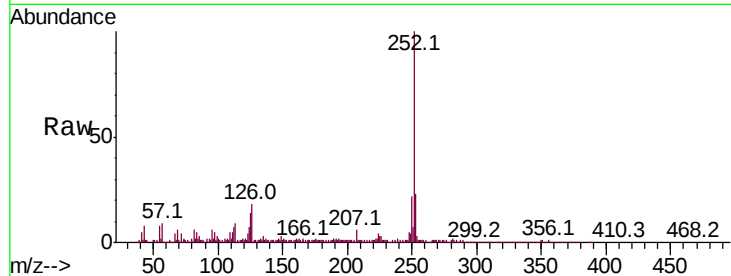
#89
Benzo(k)fluoranthene
Concen: 7.368 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF111350.D
Acq: 13 Dec 2018 4:51

Instrument :
BNA_F
ClientSampleId :
TP-MH-JDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	13.6	9.8	14.8

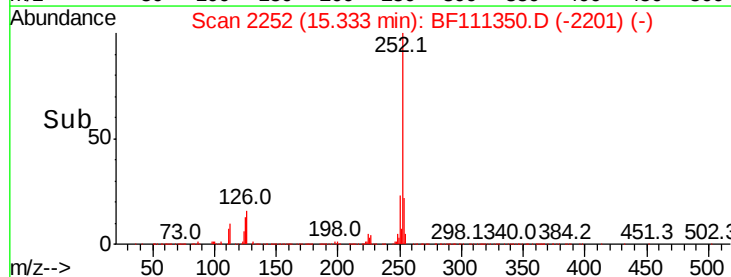
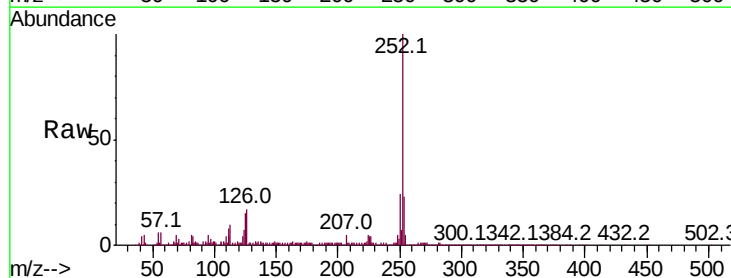
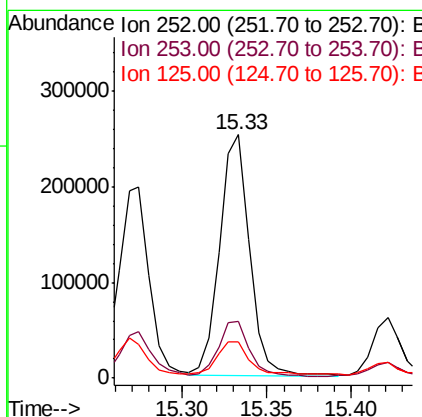
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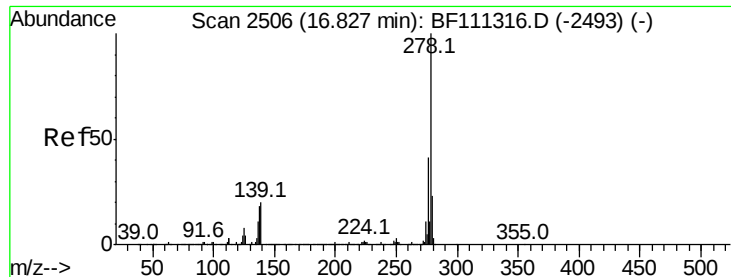
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#90
Benzo(a)pyrene
Concen: 17.980 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.00 min
Lab File: BF111350.D
Acq: 13 Dec 2018 4:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	14.6	12.3	18.5





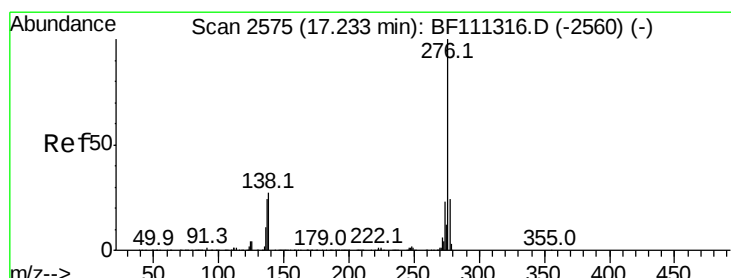
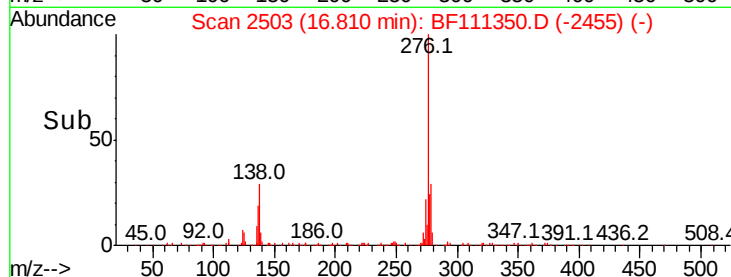
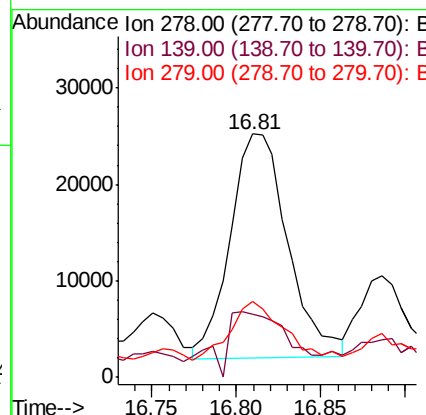
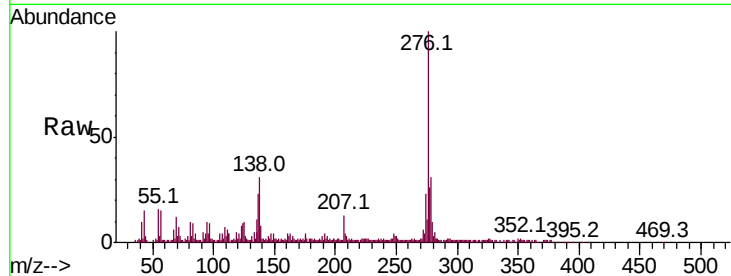
#91
Dibenzo(a,h)anthracene
Concen: 3.812 ng
RT: 16.81 min Scan# 2503
Delta R.T. -0.02 min
Lab File: BF111350.D
Acq: 13 Dec 2018 4:51

Instrument :
BNA_F
ClientSampled :
TP-MH-JDL

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.9	18.2	27.4
279	31.4	19.0	28.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 12.153 ng
RT: 17.23 min Scan# 2574
Delta R.T. -0.01 min
Lab File: BF111350.D
Acq: 13 Dec 2018 4:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	31.1	24.9	37.3

