

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
 Data File : BF111171.D
 Acq On : 7 Dec 2018 7:16
 Operator : JU/SJ
 Sample : J6168-14
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S3

Manual Integrations
 APPROVED

mohammad
 12/10/2018 12:19:42 PM

Quant Time: Dec 07 09:42:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	402478	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1446816	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	549698	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	872303	20.00	ng	0.00
76) Chrysene-d12	13.96	240	666026	20.00	ng	0.01
87) Perylene-d12	15.40	264	476950	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	2267200	87.90	ng	0.01
7) Phenol-d6	6.44	99	2826743	85.08	ng	0.00
23) Nitrobenzene-d5	7.36	82	1667617	68.24	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	411051	94.07	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	2195934	71.70	ng	0.00
79) Terphenyl-d14	12.91	244	1681519	51.71	ng	0.00
Target Compounds						
10) Phenol	6.45	94	213821	5.902	ng	96
50) Dimethylphthalate	9.56	163	397972	10.403	ng	98
71) Phenanthrene	11.35	178	428430	10.211	ng	94
72) Anthracene	11.40	178	119343	2.822	ng	95
75) Fluoranthene	12.53	202	801086	19.511	ng	97
78) Pyrene	12.76	202	734547	14.156	ng	95
81) Benzo(a)anthracene	13.95	228	291522	7.471	ng	98
83) Chrysene	13.99	228	266817	6.888	ng	97
84) Bis(2-ethylhexyl)phthalate	13.95	149	80919	2.673	ng	97
86) Indeno(1,2,3-cd)pyrene	16.80	276	105578	3.394	ng	94
88) Benzo(b)fluoranthene	14.99	252	248749m	9.204	ng	
89) Benzo(k)fluoranthene	15.01	252	94352m	3.611	ng	
90) Benzo(a)pyrene	15.33	252	178281	7.192	ng	97
92) Benzo(a,h,i)perylene	17.23	276	96093	4.597	ng	97

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

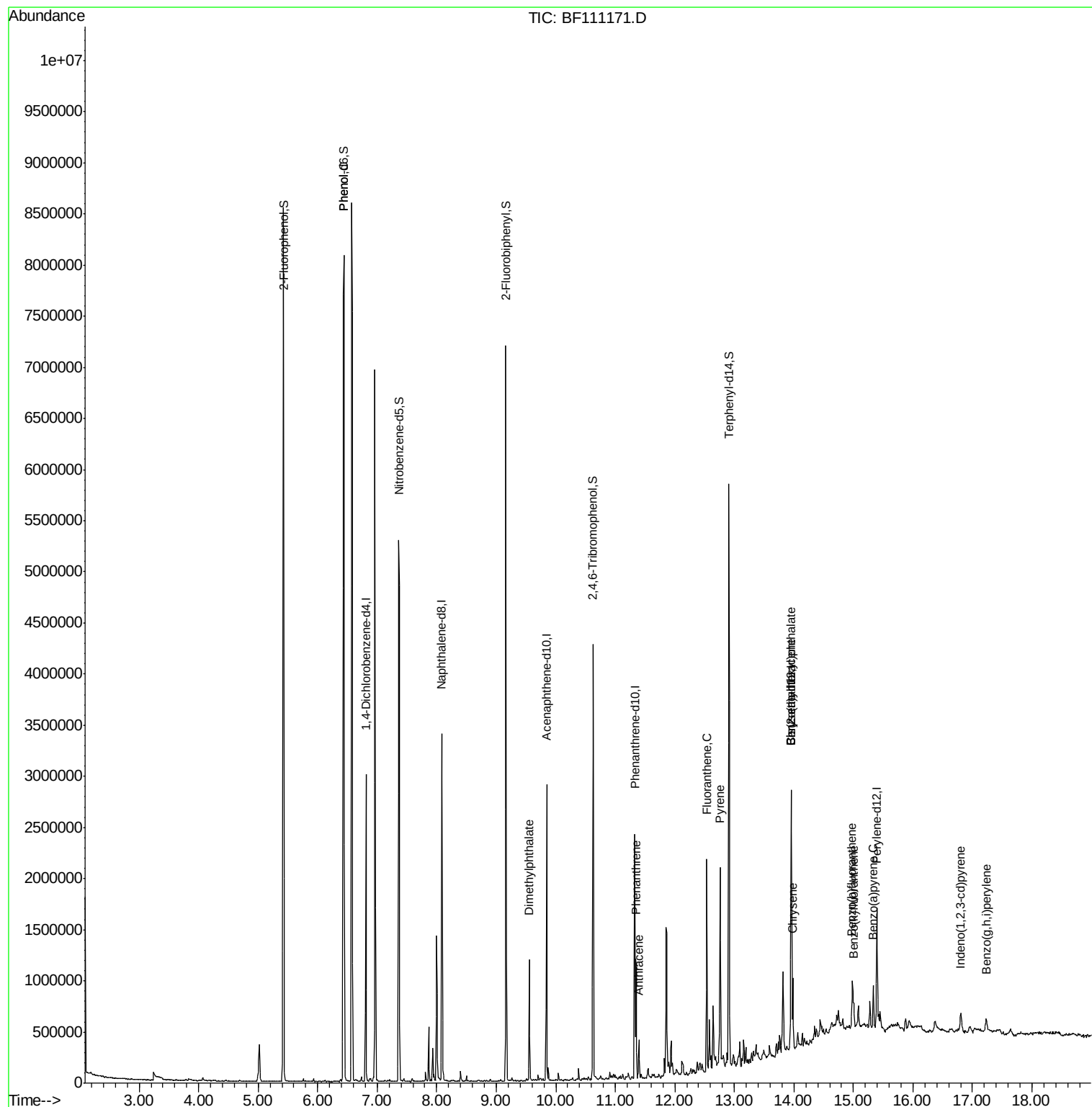
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
Data File : BF111171.D
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Operator : JU/SJ
Sample : J6168-14
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ALS Vial : 30 Sample Multiplier: 1

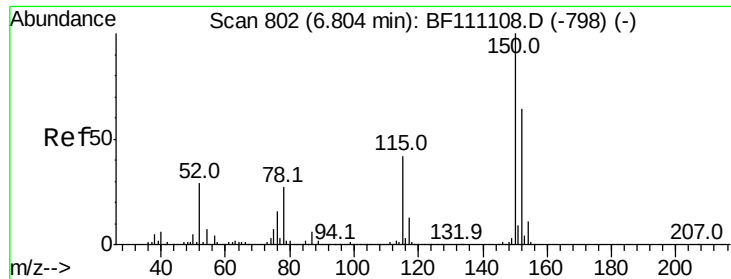
Instrument :
BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 05 17:30:55 2018
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#1

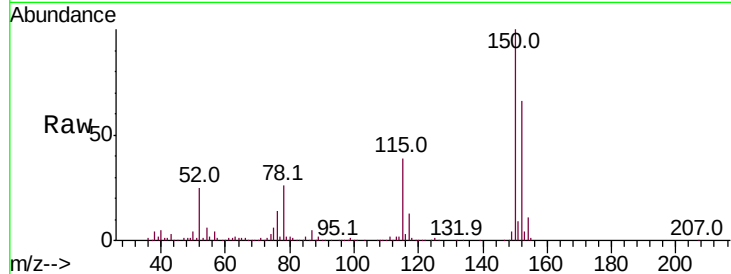
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Instrument :
BNA_F
ClientSampled :
S3

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.5	124.6	187.0
115	59.4	52.2	78.2

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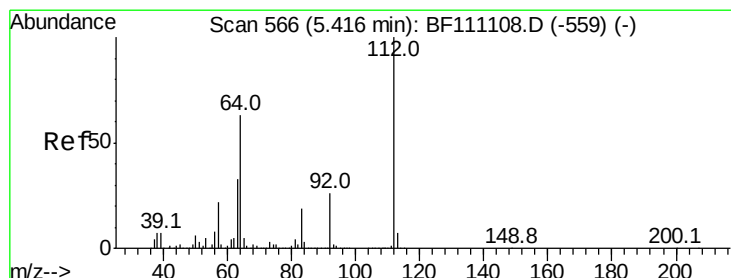
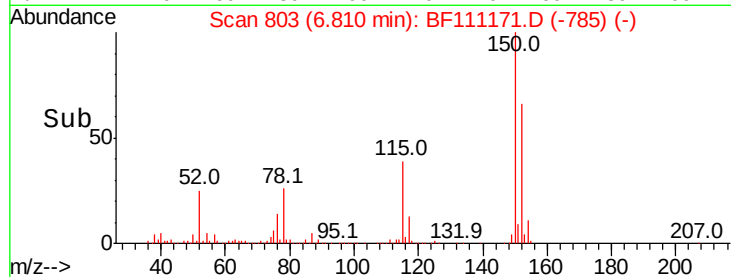
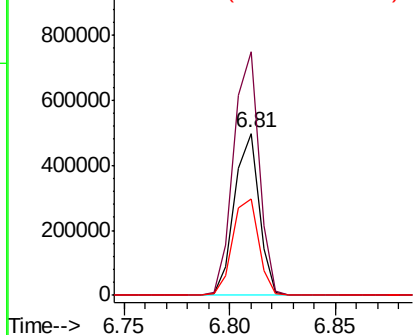


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

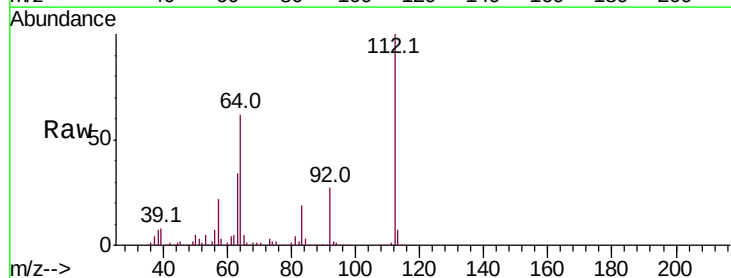
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 87.902 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	50.2	75.4
63	33.6	26.6	39.8

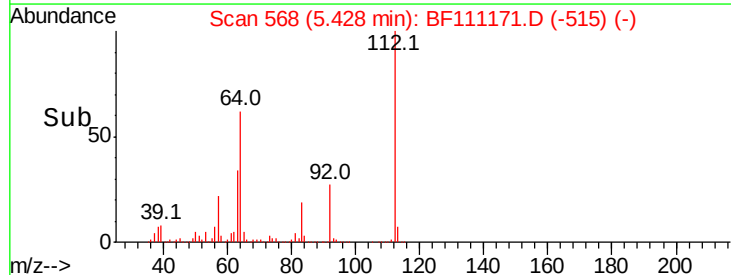
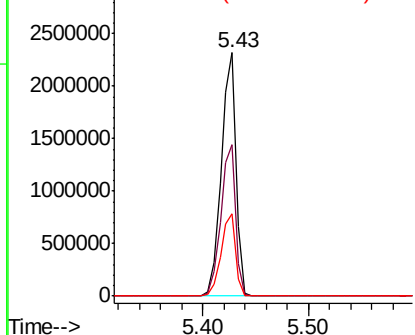


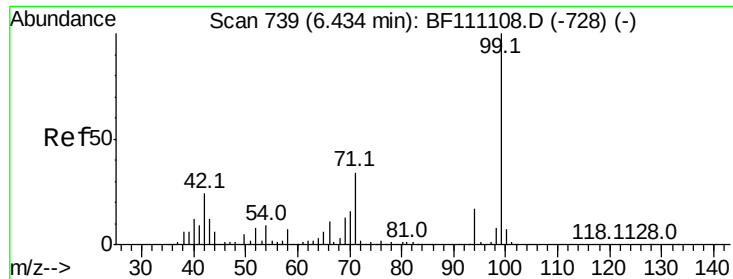
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 85.079 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF111171.D

Acq: 7 Dec 2018 7:16

Instrument :

BNA_F

ClientSampleId :

S3

Tot Ion: 99 Resp: 2826743

Ion Ratio Lower Upper

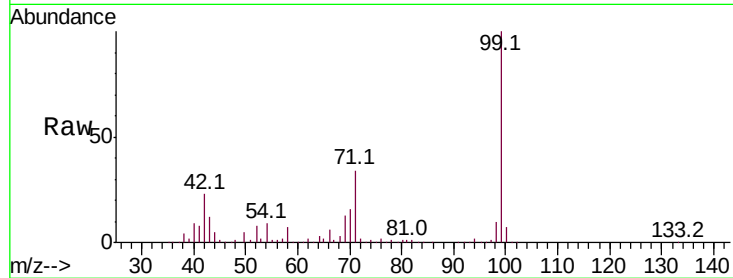
99 100

42 22.6 19.3 28.9

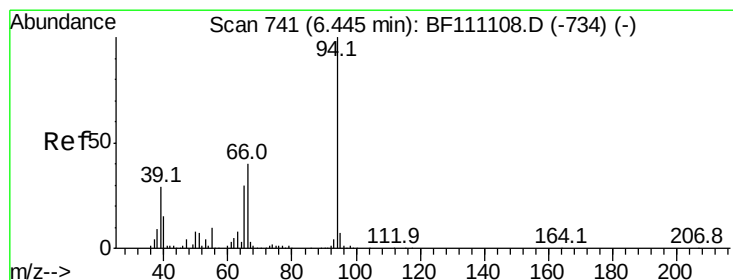
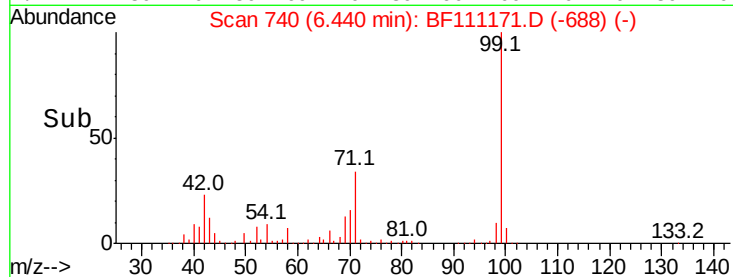
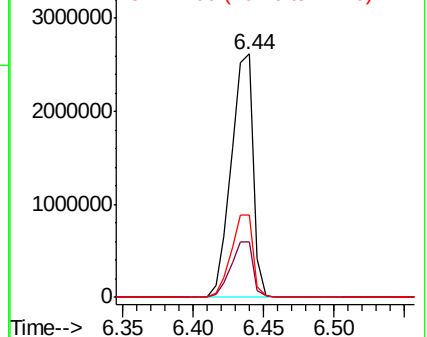
71 34.0 27.4 41.2

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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: 5.902 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF111171.D

Acq: 7 Dec 2018 7:16

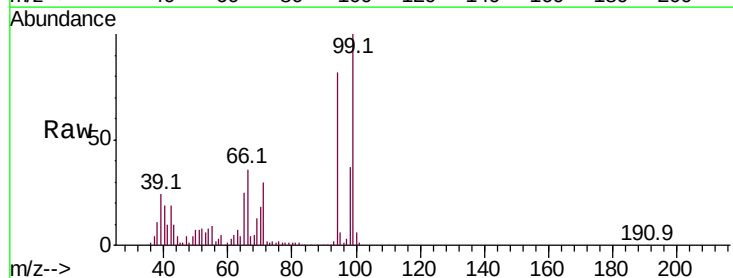
Tgt Ion: 94 Resp: 213821

Ion Ratio Lower Upper

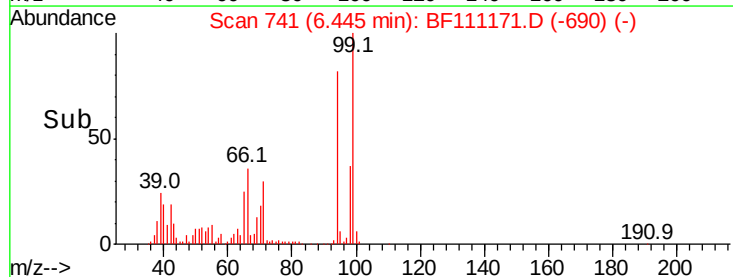
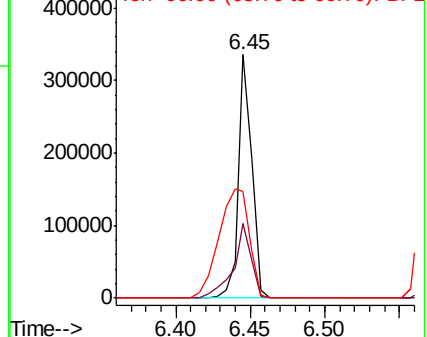
94 100

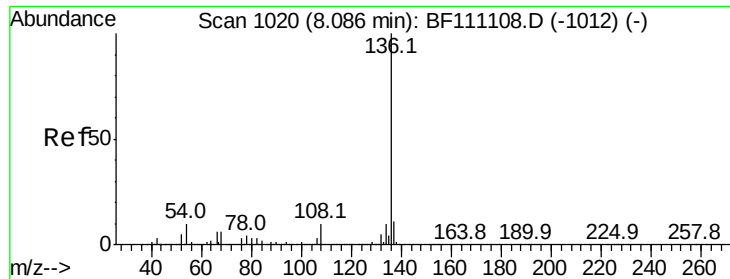
65 30.9 10.5 50.5

66 43.5 19.8 59.8



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





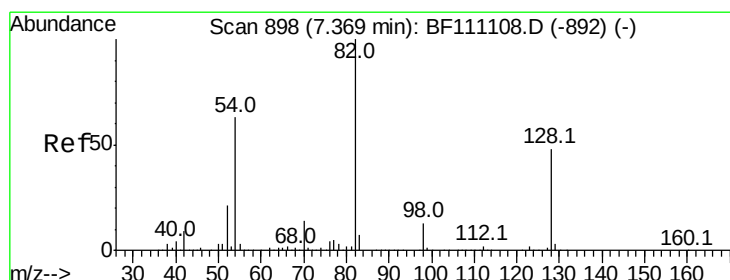
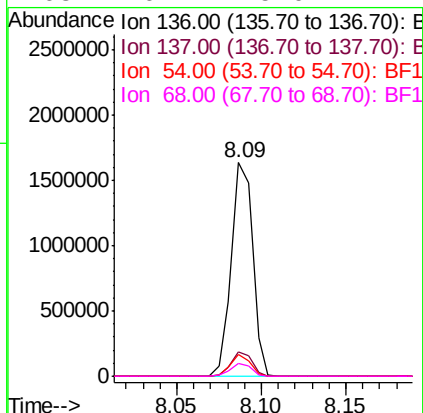
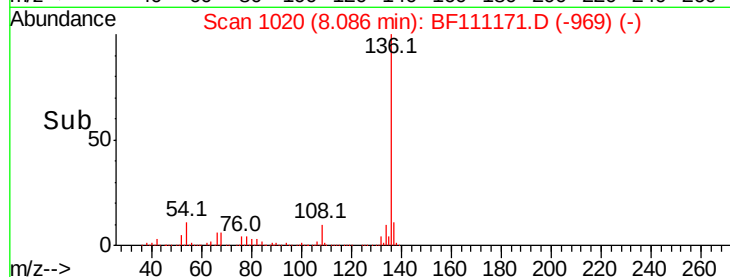
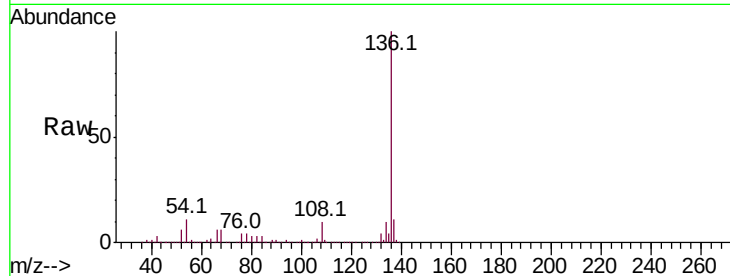
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Instrument :
BNA_F
ClientSampled :
S3

Tot Ion	136	Resp	1446816
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.6
54	10.5	8.4	12.6
68	6.1	5.0	7.4

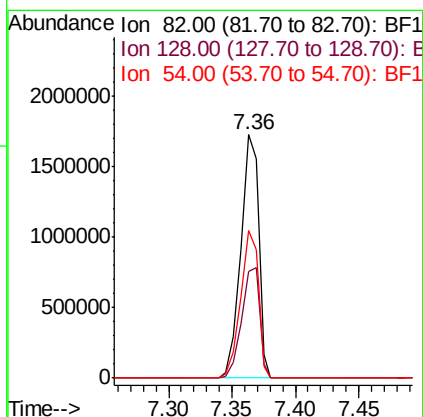
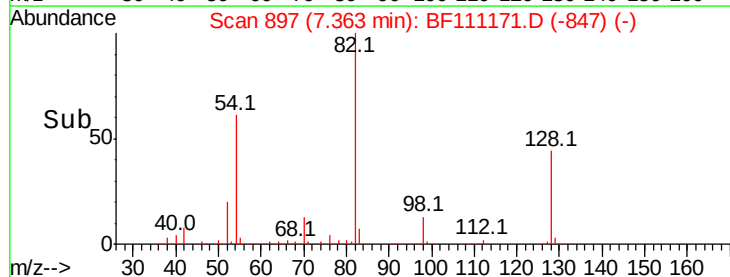
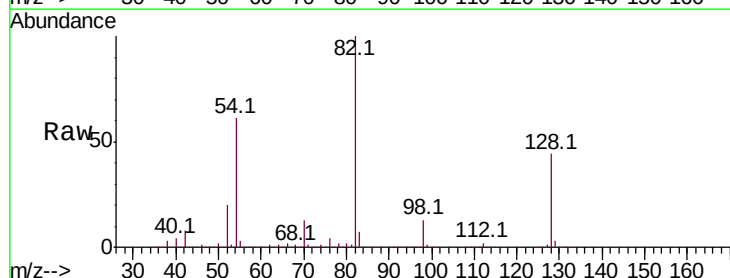
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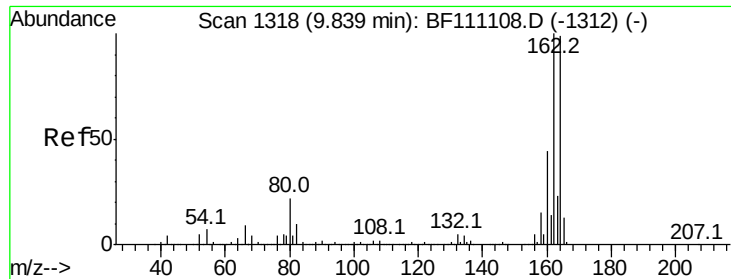
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#23
Nitrobenzene-d5
Concen: 68.239 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Tgt Ion	82	Resp	1667617
Ion	Ratio	Lower	Upper
82	100		
128	44.1	38.1	57.1
54	60.7	50.3	75.5





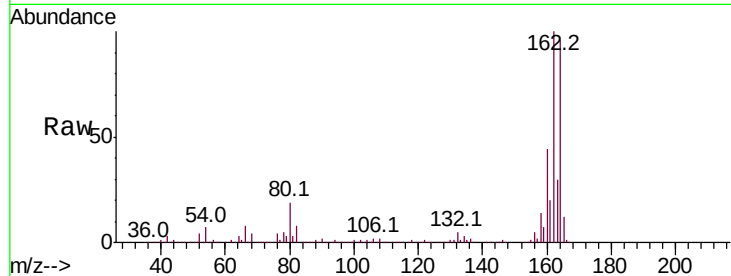
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Instrument :
BNA_F
ClientSampleId :
S3

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.1	80.6	120.8	
160	45.4	35.5	53.3	

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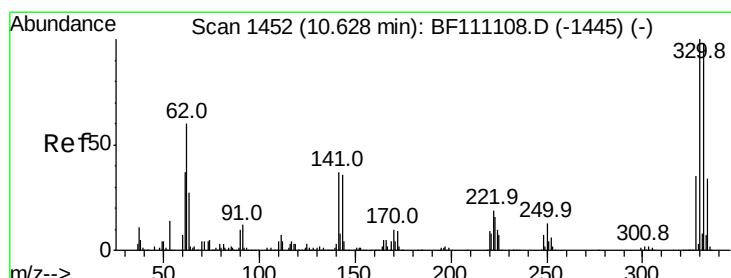
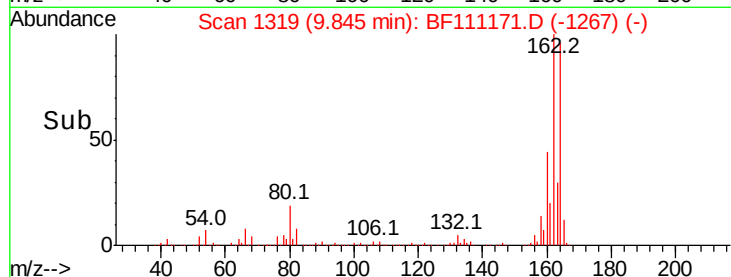
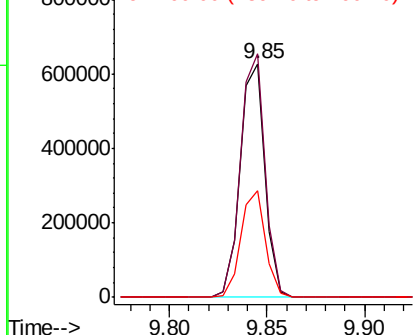


Abundance

Ion 164.00 (163.70 to 164.70): E

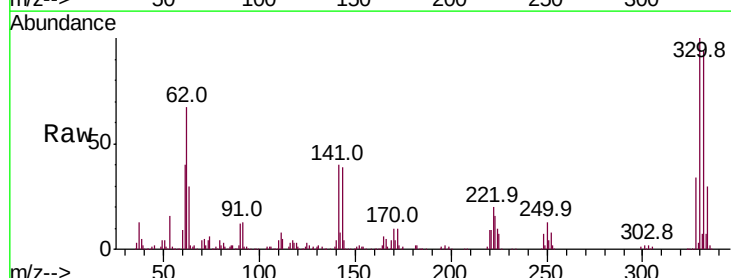
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 94.073 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	93.5	77.2	115.8	
141	41.4	36.1	54.1	

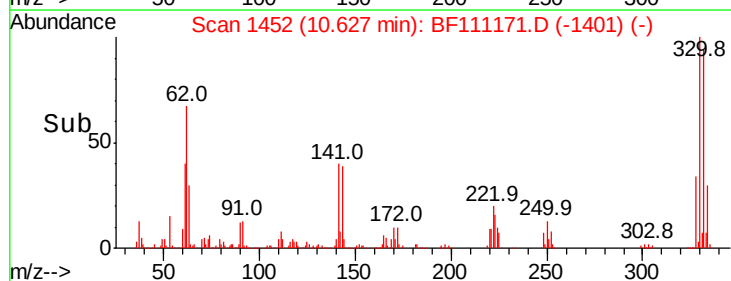
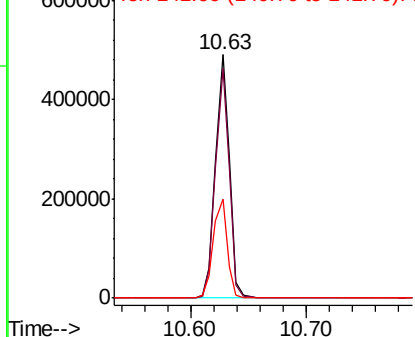


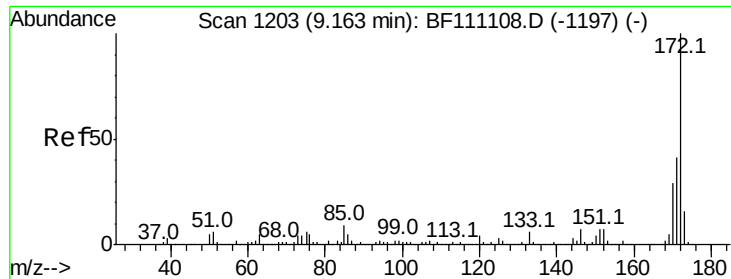
Abundance

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





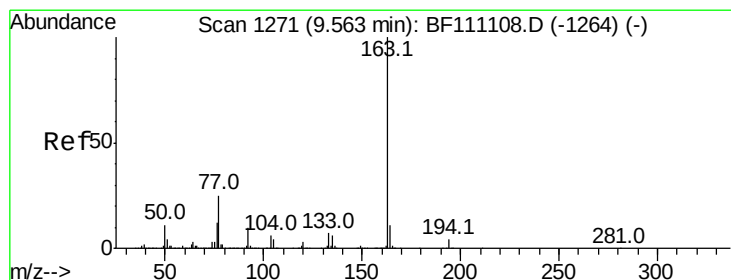
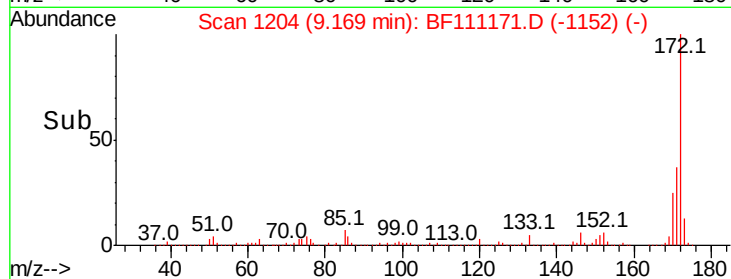
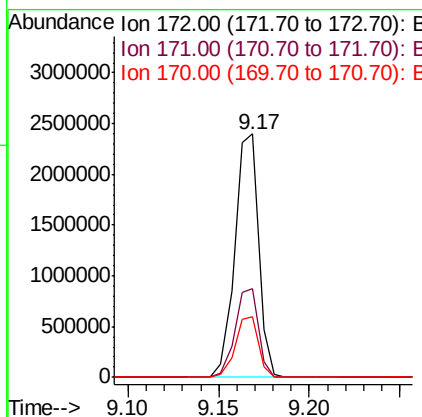
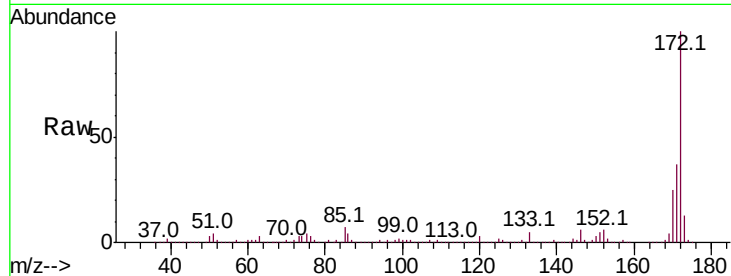
#45
2-Fluorobiphenyl
Concen: 71.697 ng
RT: 9.17 min Scan# 1204
Delta R.T. 0.01 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Instrument :
BNA_F
ClientSampled :
S3

Tot Ion:172 Resp: 2195934
Ion Ratio Lower Upper
172 100
171 36.5 33.2 49.8
170 24.8 22.9 34.3

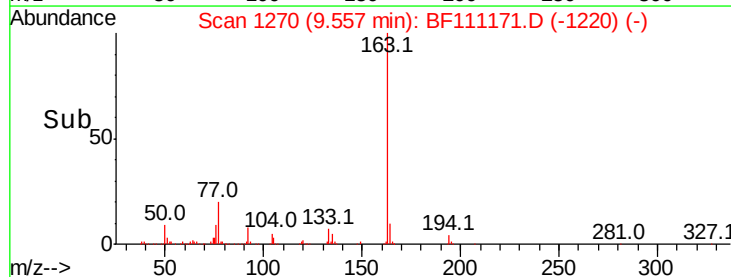
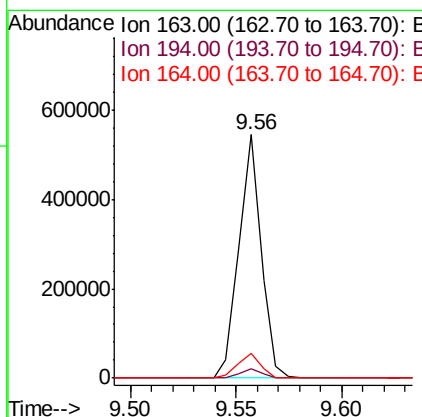
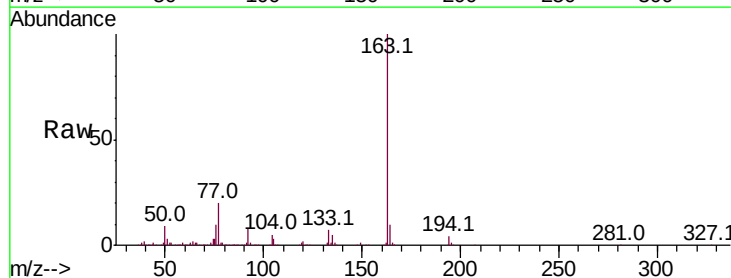
Manual Integrations
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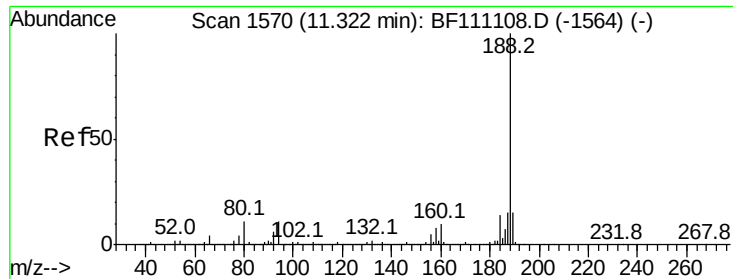
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#50
Dimethylphthalate
Concen: 10.403 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Tgt Ion:163 Resp: 397972
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 10.3 8.9 13.3





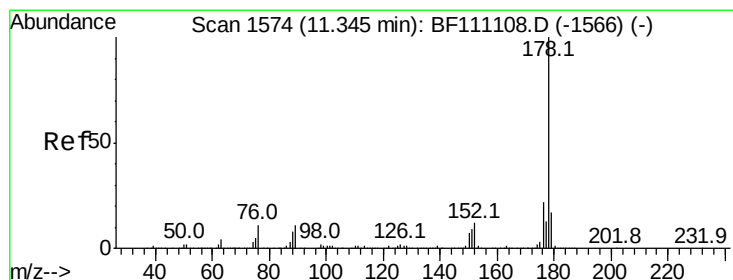
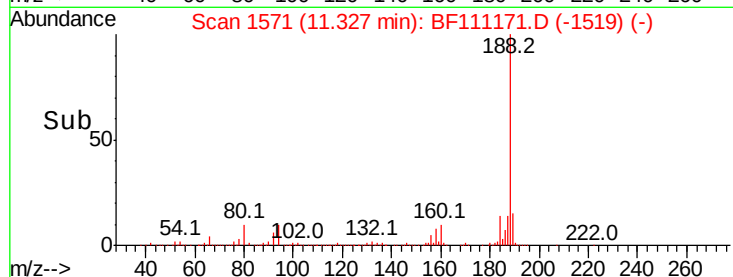
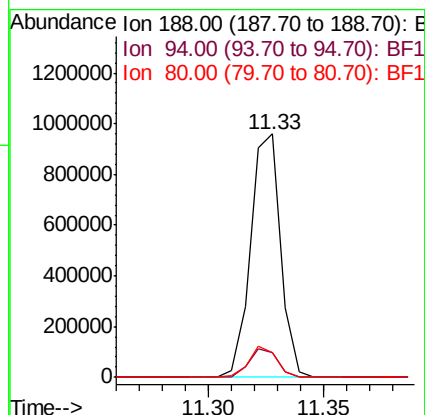
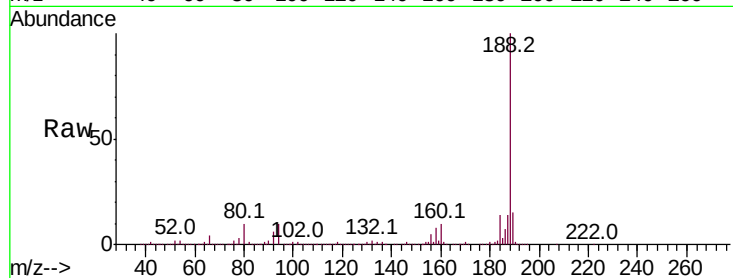
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Instrument :
BNA_F
ClientSampled :
S3

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.0	9.0	13.6

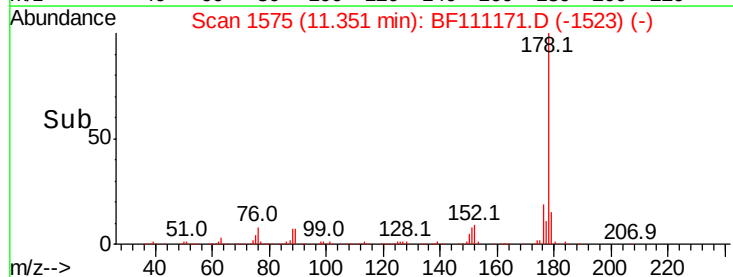
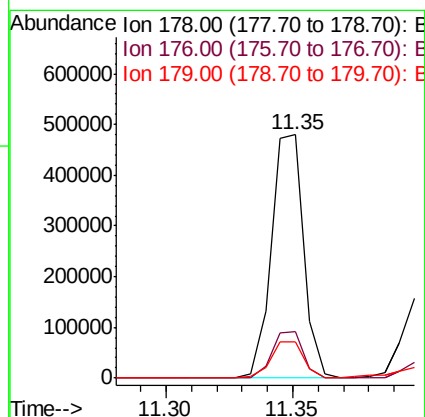
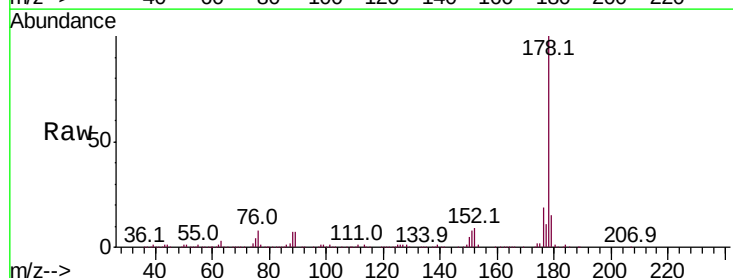
Manual Integrations
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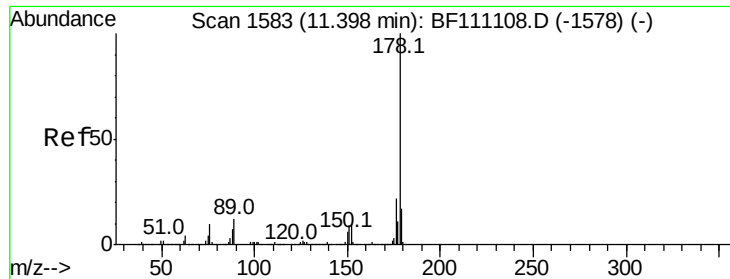
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#71
Phenanthrene
Concen: 10.211 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	17.7	26.5
179	15.2	14.0	21.0





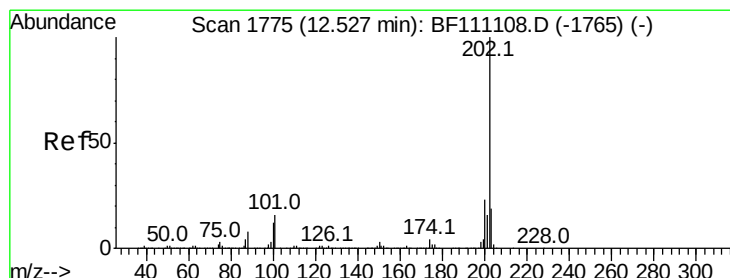
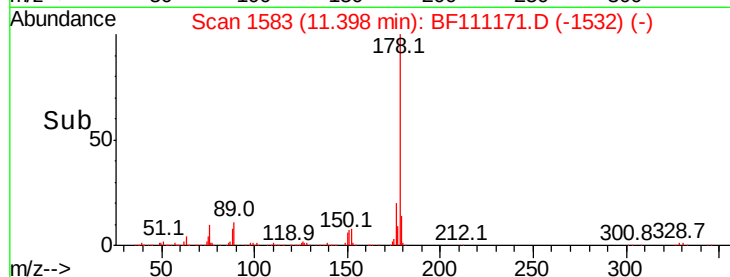
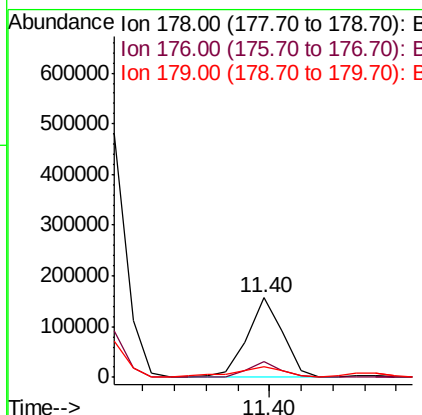
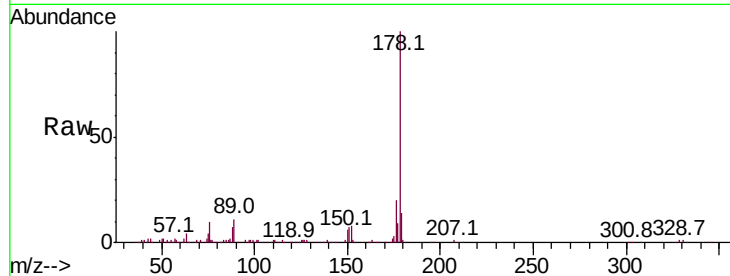
#72
 Anthracene
 Concen: 2.822 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: BF111171.D
 Acq: 7 Dec 2018 7:16

Instrument :
 BNA_F
 ClientSampleId :
 S3

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	17.3	25.9
179	14.1	13.8	20.8

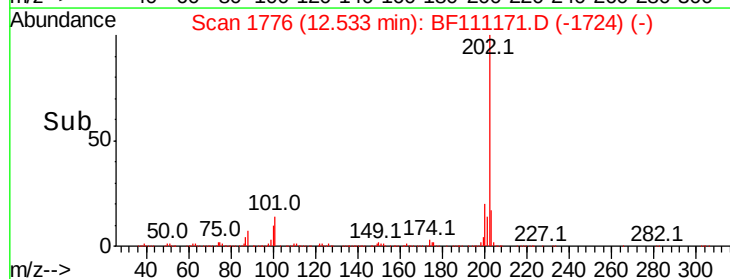
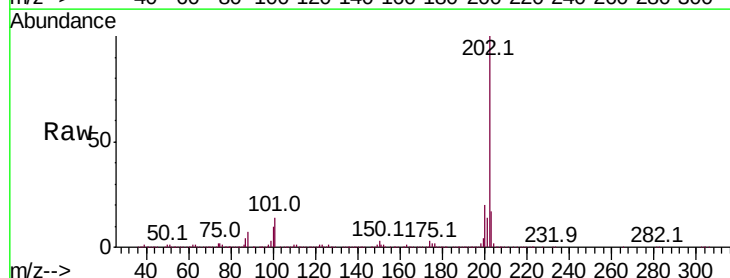
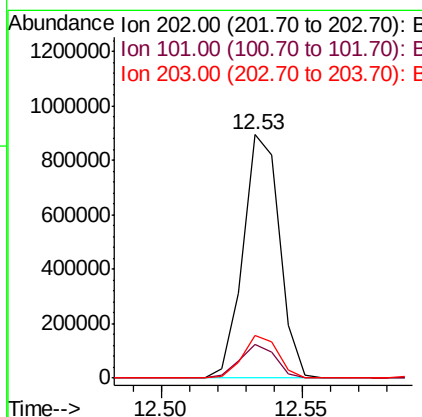
Manual Integrations
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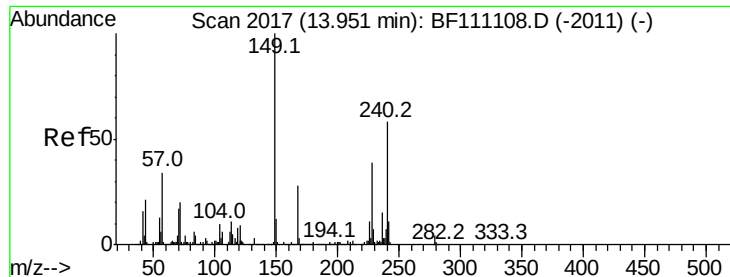
mohammad
 12/10/2018 12:19:42 PM



#75
 Fluoranthene
 Concen: 19.511 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. 0.01 min
 Lab File: BF111171.D
 Acq: 7 Dec 2018 7:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	35.8
203	17.4	0.0	38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF111171.D

Acq: 7 Dec 2018 7:16

Instrument :

BNA_F

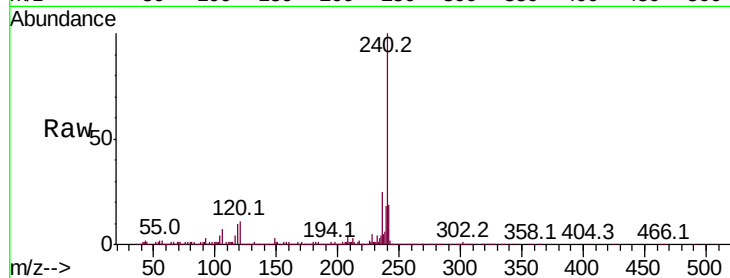
ClientSampleId :

S3

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.7	12.8	19.2#
236	25.0	21.1	31.7

Manual Integrations
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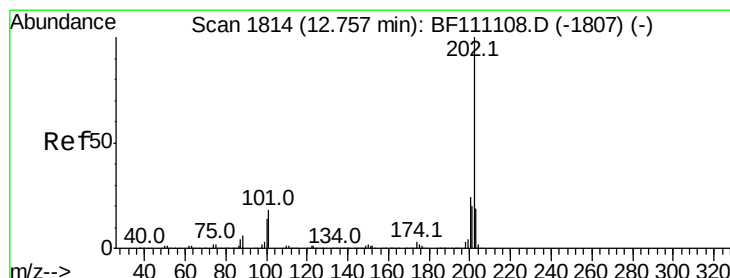
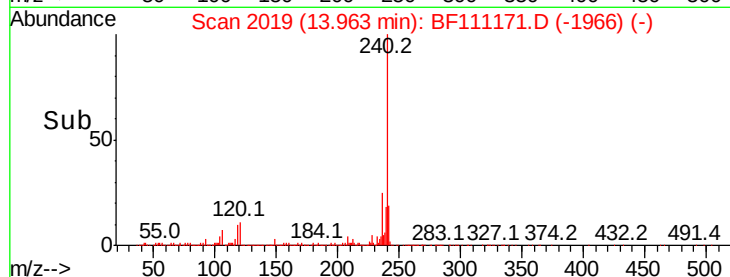
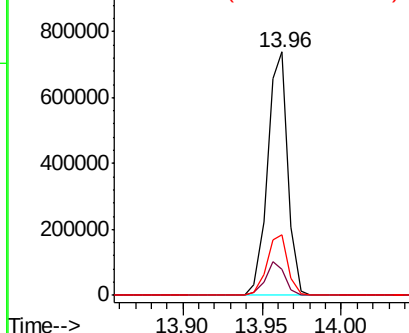


Abundance

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: 14.156 ng

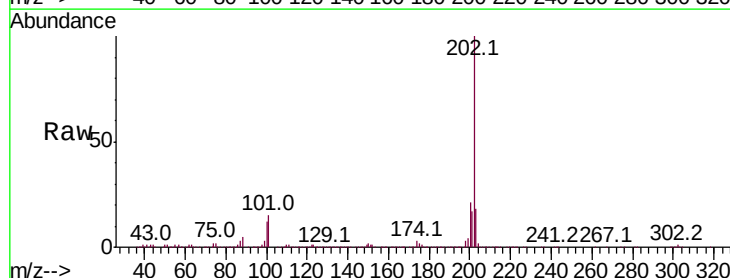
RT: 12.76 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BF111171.D

Acq: 7 Dec 2018 7:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	19.3	28.9
203	17.7	15.4	23.2

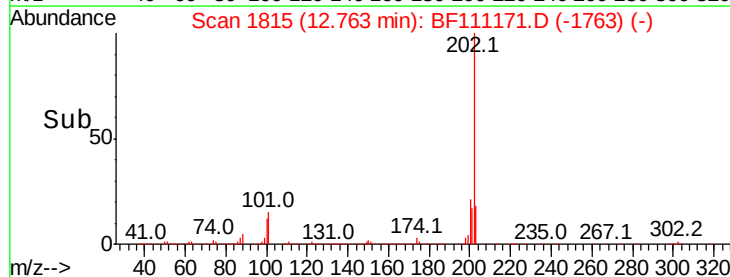
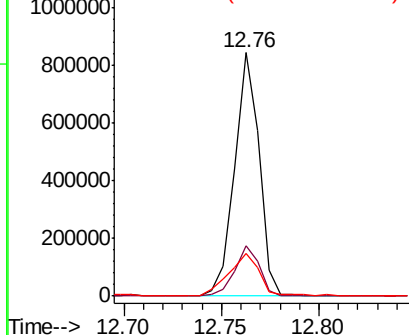


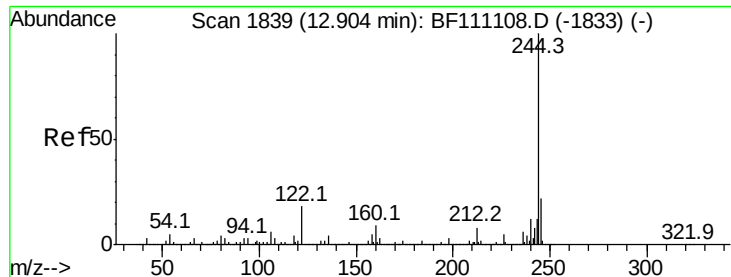
Abundance

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: 51.706 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF111171.D

Acq: 7 Dec 2018 7:16

Instrument :

BNA_F

ClientSampled :

S3

Tot Ion:244 Resp: 1681519

Ion Ratio Lower Upper

244 100

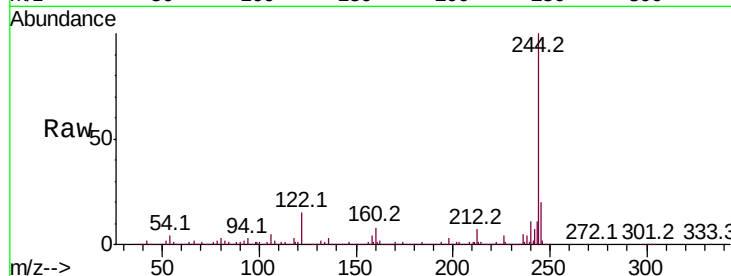
212 6.9 6.6 9.8

122 14.7 14.2 21.2

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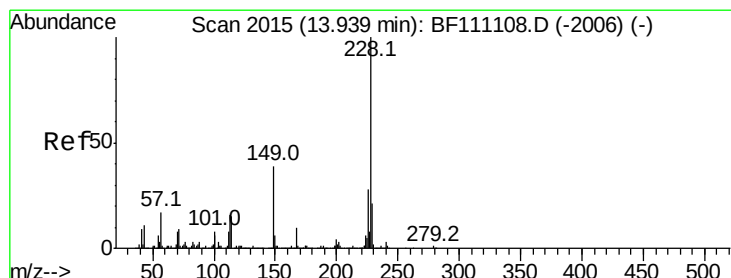
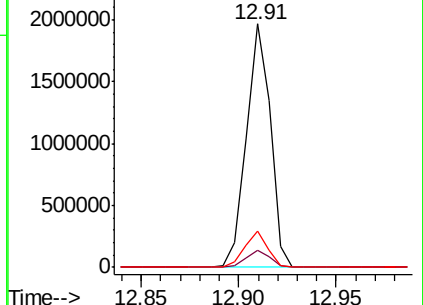
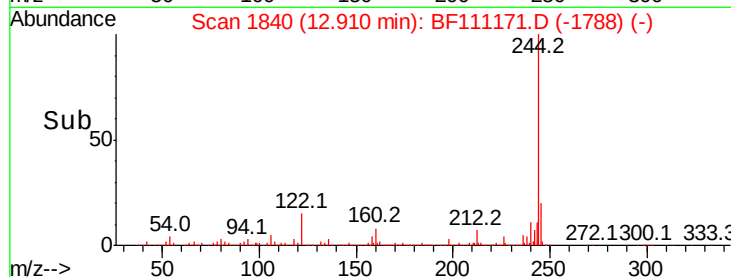
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 7.471 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BF111171.D

Acq: 7 Dec 2018 7:16

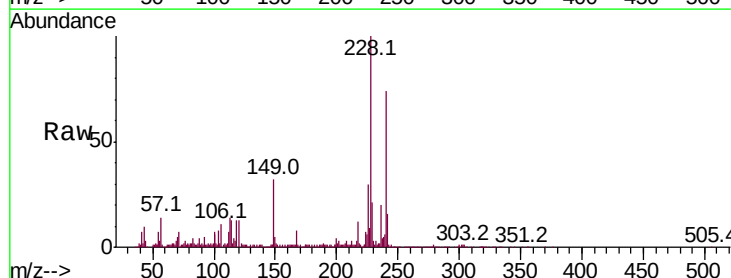
Tgt Ion:228 Resp: 291522

Ion Ratio Lower Upper

228 100

226 30.0 22.6 34.0

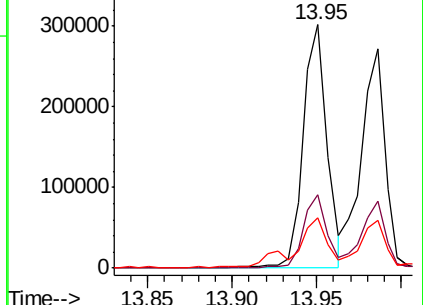
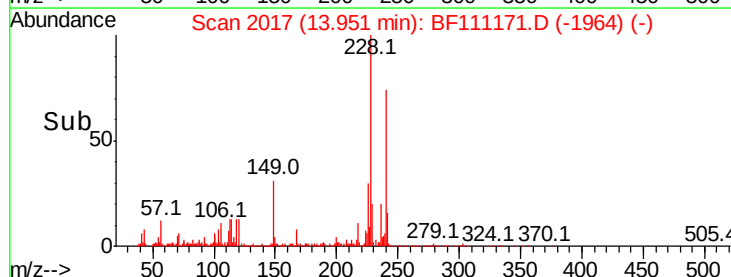
229 20.8 16.7 25.1

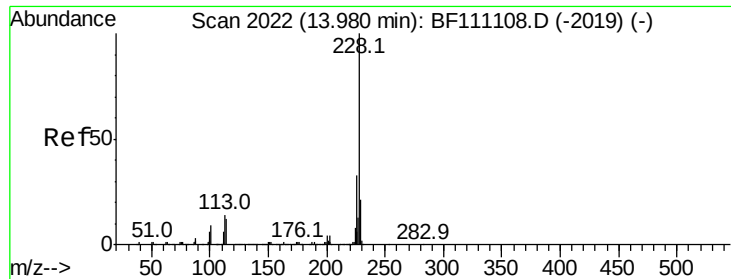


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





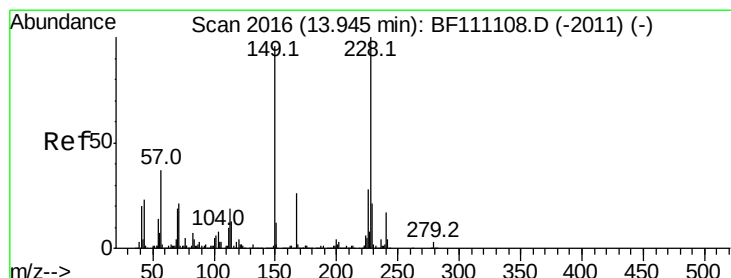
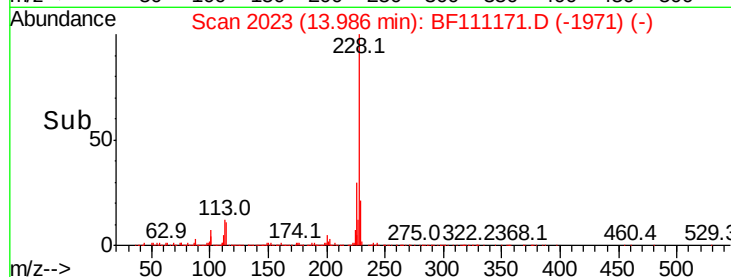
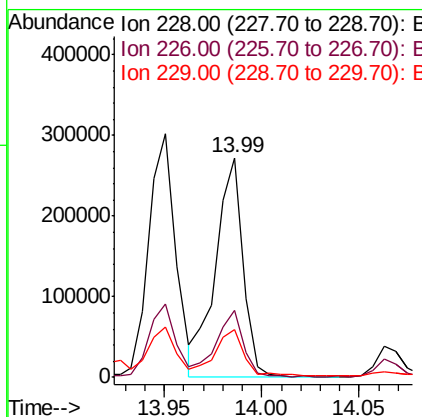
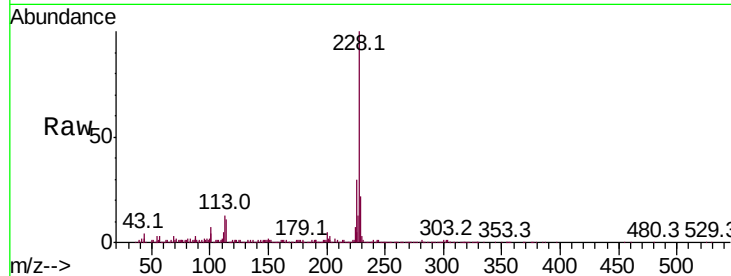
#83
Chrysene
Concen: 6.888 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Instrument :
BNA_F
ClientSampleId :
S3

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	26.2	39.2
229	21.6	16.9	25.3

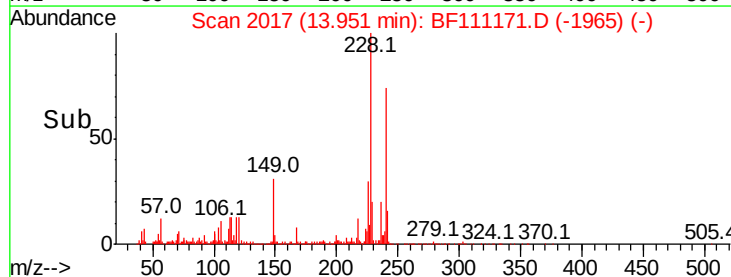
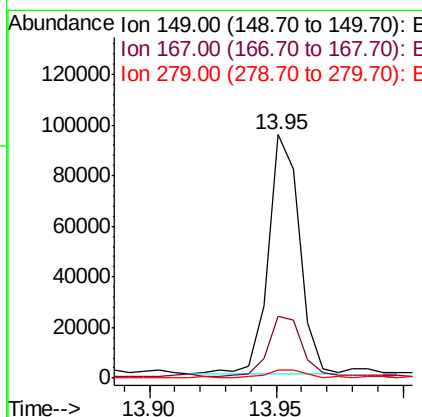
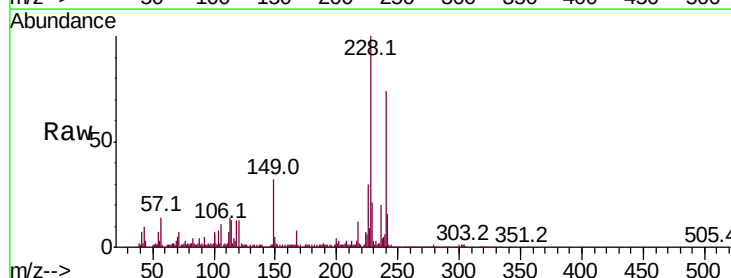
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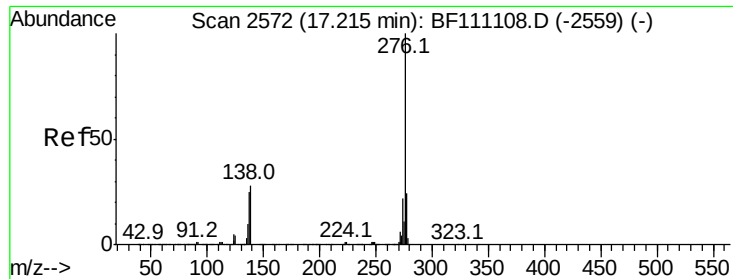
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.673 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.4	21.6	32.4
279	3.4	2.3	3.5





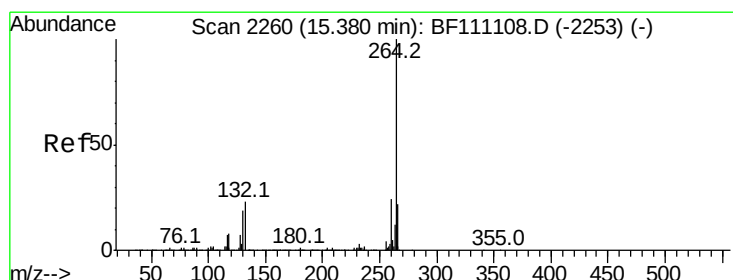
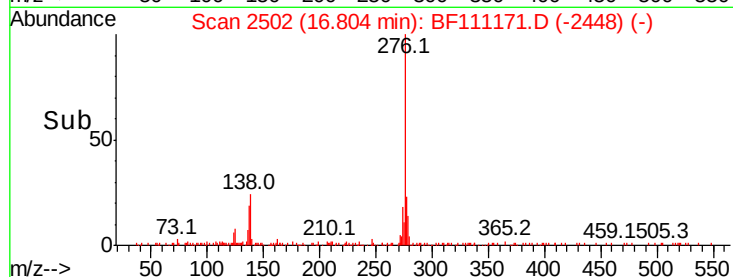
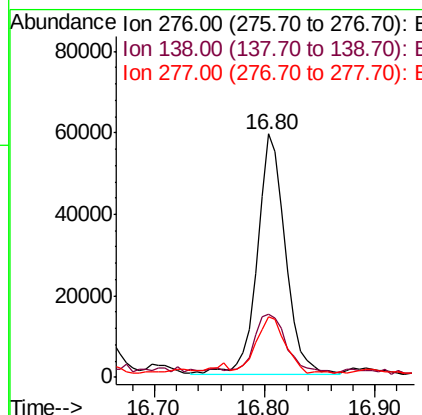
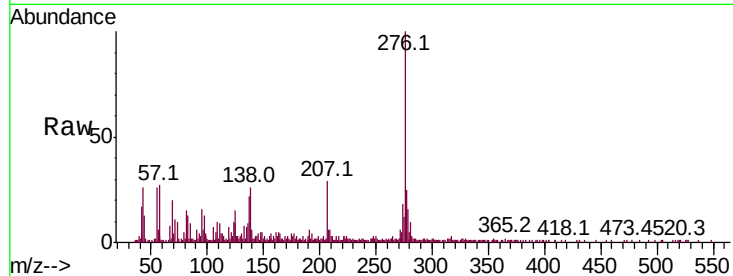
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.394 ng
RT: 16.80 min Scan# 2502
Delta R.T. 0.02 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Instrument :
BNA_F
ClientSampleId :
S3

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.6	20.2	30.4
277	23.4	15.8	23.6

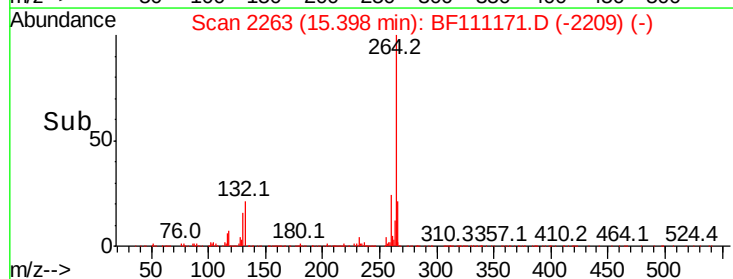
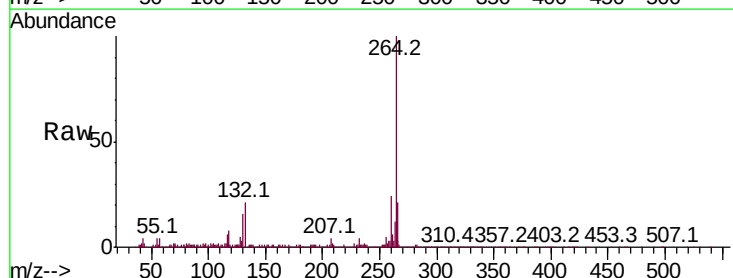
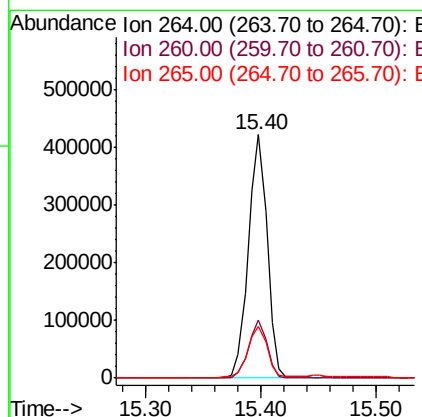
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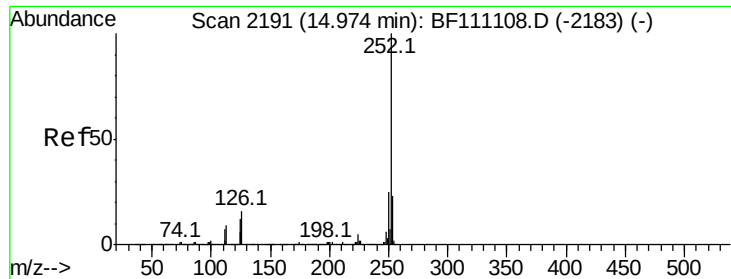
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.02 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.0
265	21.1	17.4	26.0





#88

Benzo(b)fluoranthene

Concen: 9.204 ng m

RT: 14.99 min Scan# 2193

Delta R.T. 0.01 min

Lab File: BF111171.D

Acq: 7 Dec 2018 7:16

Instrument :

BNA_F

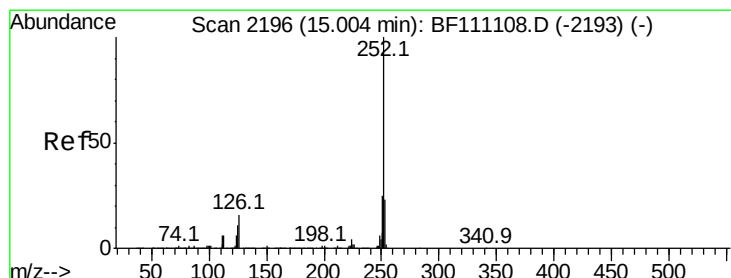
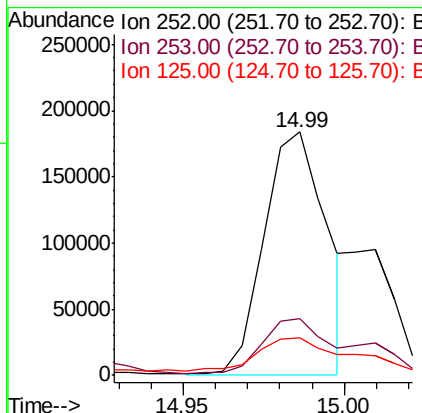
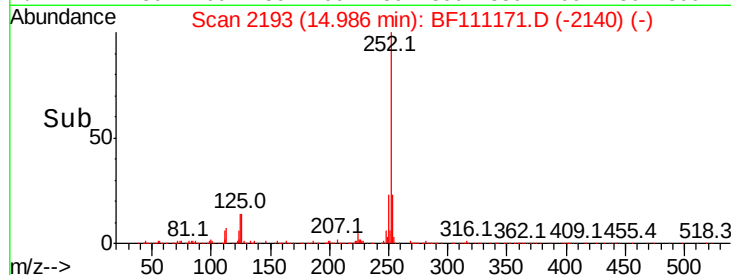
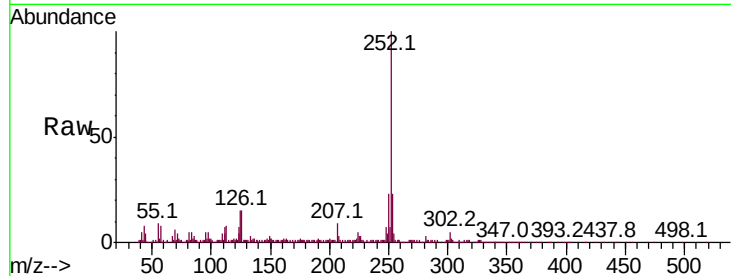
ClientSampled :

S3

Tot Ion:	252	Resp:	248749
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.5	27.7
125	15.3	9.9	14.9#

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 3.611 ng m

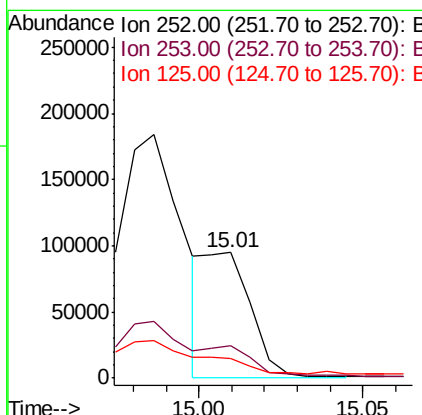
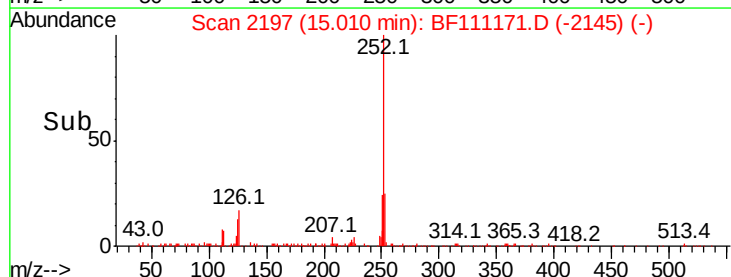
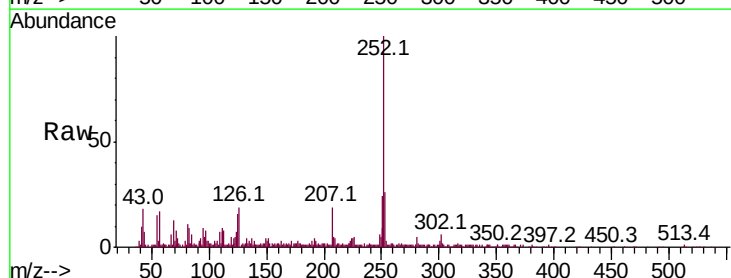
RT: 15.01 min Scan# 2197

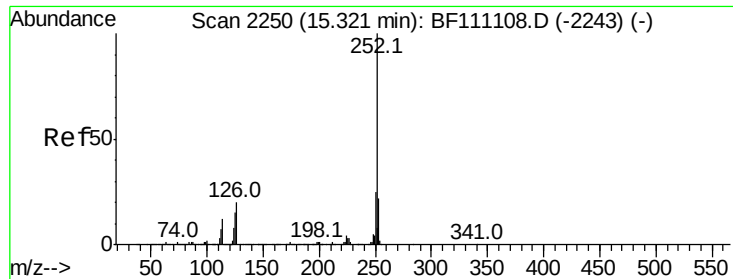
Delta R.T. 0.01 min

Lab File: BF111171.D

Acq: 7 Dec 2018 7:16

Tgt Ion:	252	Resp:	94352
Ion Ratio	Lower	Upper	
252	100		
253	25.7	18.2	27.4
125	15.8	9.9	14.9#





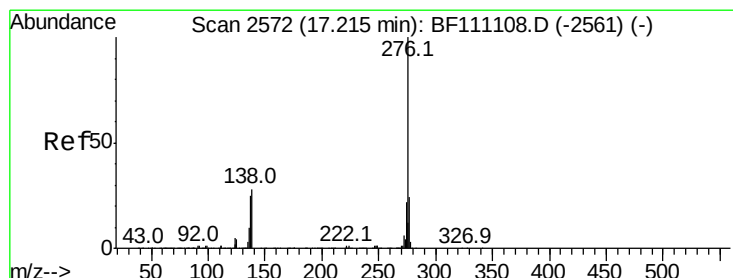
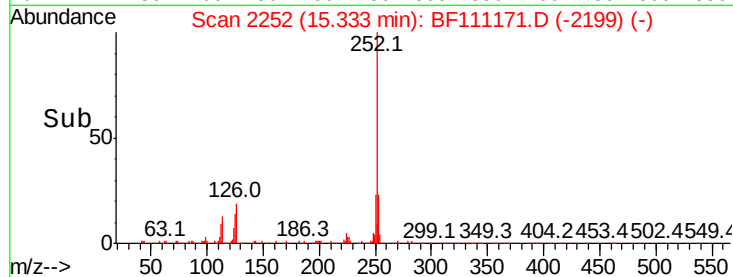
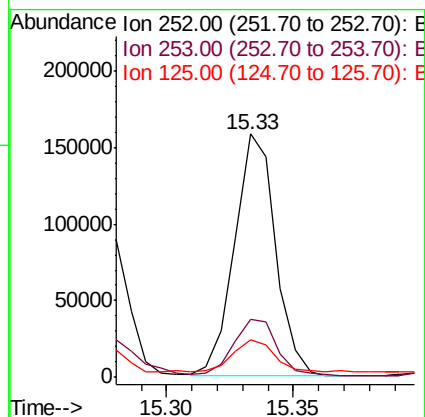
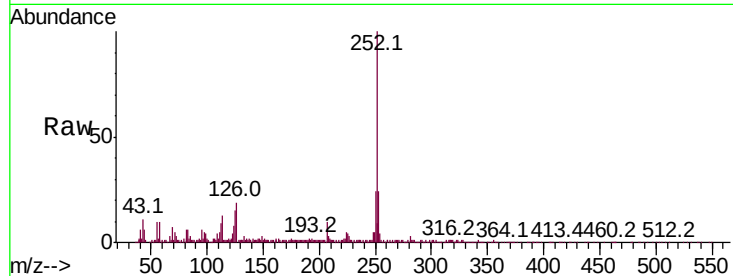
#90
Benzo(a)pyrene
Concen: 7.192 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Instrument :
BNA_F
ClientSampleId :
S3

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	15.5	12.4	18.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 4.597 ng
RT: 17.23 min Scan# 2574
Delta R.T. 0.01 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.3	28.9
138	29.7	22.3	33.5

