

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\
 Data File : BF118229.D
 Acq On : 17 Dec 2019 16:34
 Operator : JU
 Sample : K6299-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SHORE-RD-BH-01

Manual Integrations
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 12/18/2019 2:41:11 PM

Quant Time: Dec 18 05:43:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	144839	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	592327	20.00	ng	-0.01
39) Acenaphthene-d10	9.90	164	314152	20.00	ng	-0.02
64) Phenanthrene-d10	11.40	188	547216	20.00	ng	-0.01
76) Chrysene-d12	14.05	240	312919	20.00	ng	-0.02
87) Perylene-d12	15.54	264	325632	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	877007	106.05	ng	0.00
7) Phenol-d6	6.49	99	1121436	112.12	ng	0.00
23) Nitrobenzene-d5	7.42	82	678870	64.48	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	369757	96.89	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1355315	65.65	ng	-0.01
79) Terphenyl-d14	12.99	244	1315463	72.29	ng	-0.01
Target Compounds						
10) Phenol	6.50	94	24621	2.158	ng	97
50) Dimethylphthalate	9.62	163	104900	4.521	ng	97
71) Phenanthrene	11.42	178	87288	3.001	ng	99
75) Fluoranthene	12.62	202	133062	4.474	ng	99
78) Pyrene	12.84	202	128141	5.196	ng	96
81) Benzo(a)anthracene	14.04	228	67915	3.139	ng	99
83) Chrysene	14.07	228	57157	2.765	ng	97
86) Indeno(1,2,3-cd)pyrene	17.04	276	37008	2.128	ng	97
88) Benzo(b)fluoranthene	15.10	252	67513m	3.135	ng	
90) Benzo(a)pyrene	15.48	252	56434	2.967	ng	99
92) Benzo(g,h,i)perylene	17.50	276	38312	2.444	ng	93

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

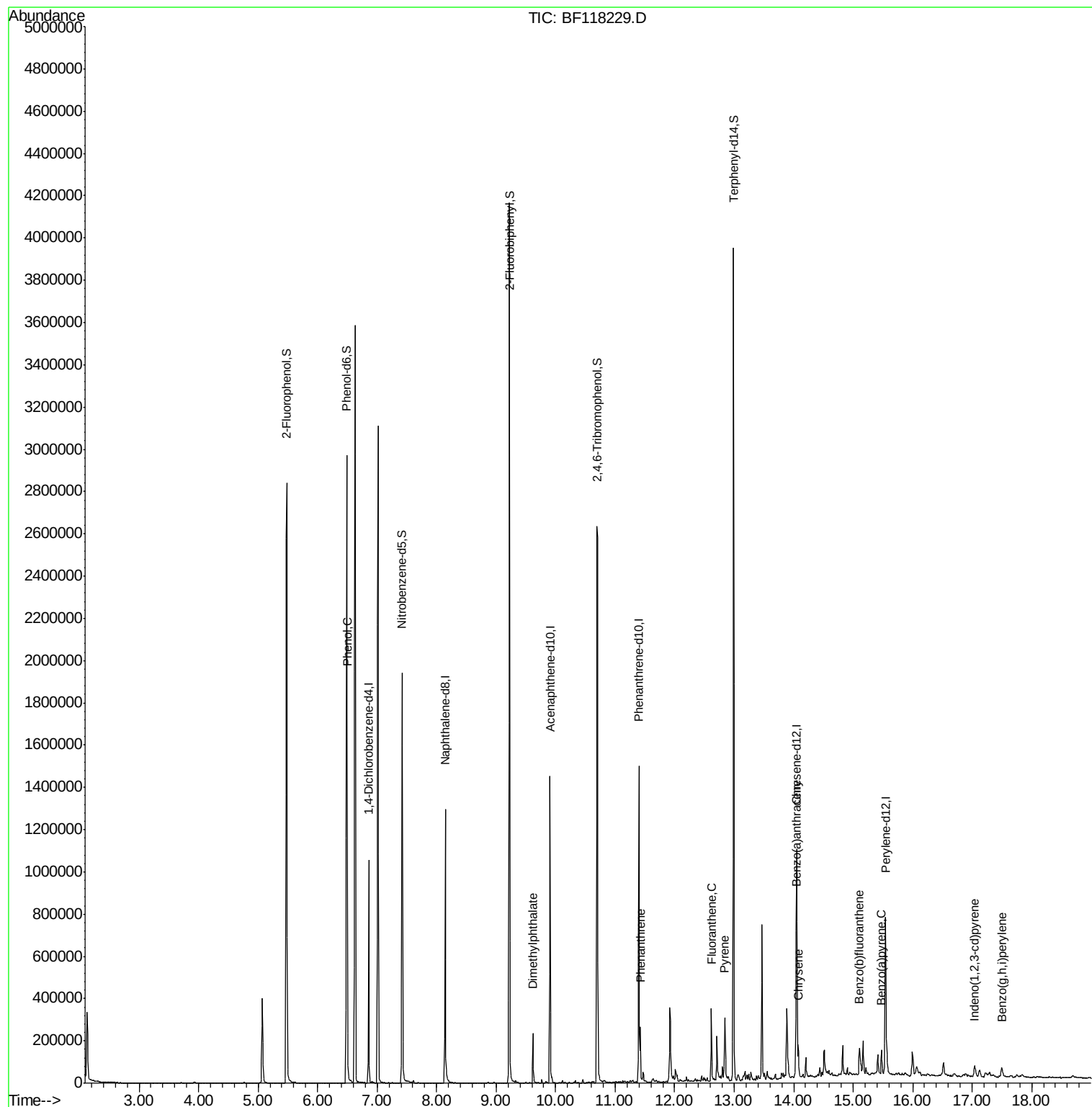
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\
Data File : BF118229.D
Acq On : 17 Dec 2019 16:34
Operator : JU
Sample : K6299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

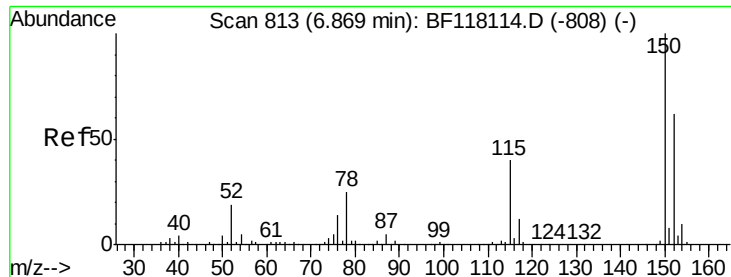
Instrument :
BNA_F
ClientSampleId :
SHORE-RD-BH-01

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Quant Time: Dec 18 05:43:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 06 17:34:43 2019
Response via : Initial Calibration





#1

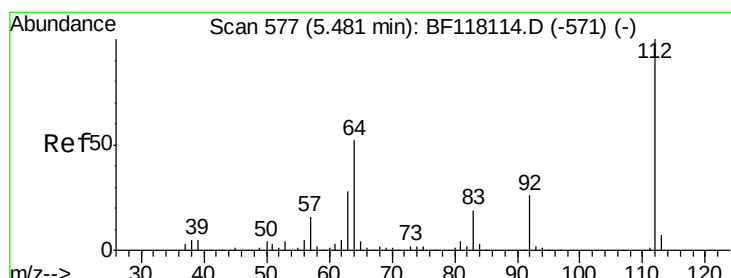
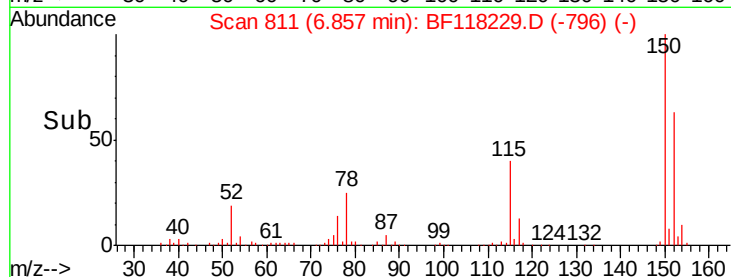
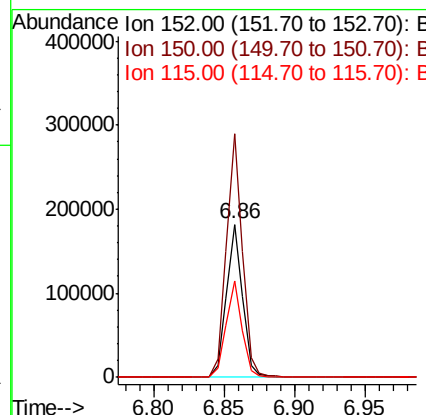
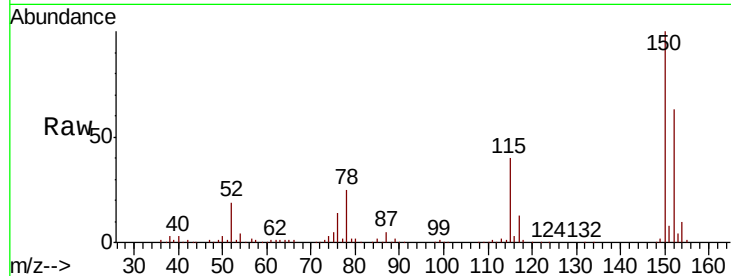
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF118229.D
Acq: 17 Dec 2019 16:34

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-BH-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	128.3	192.5
115	63.0	51.1	76.7

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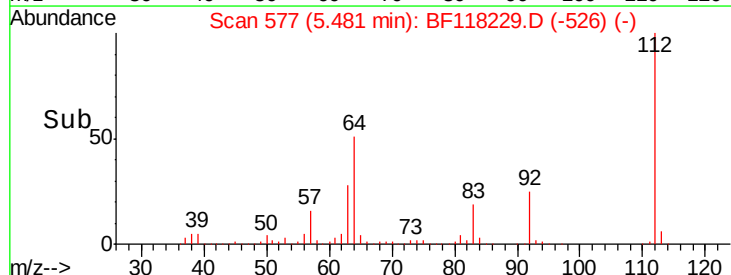
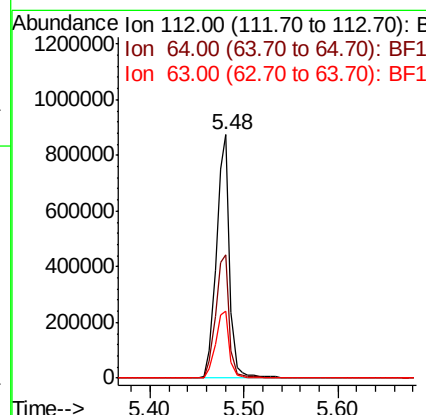
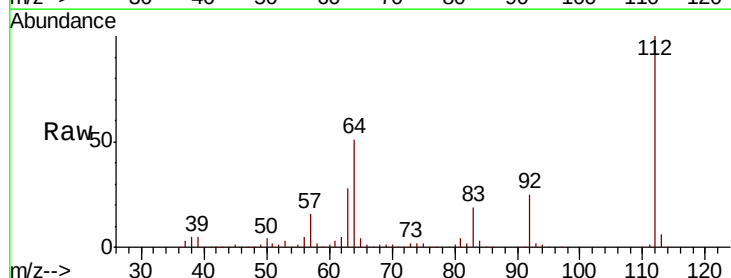
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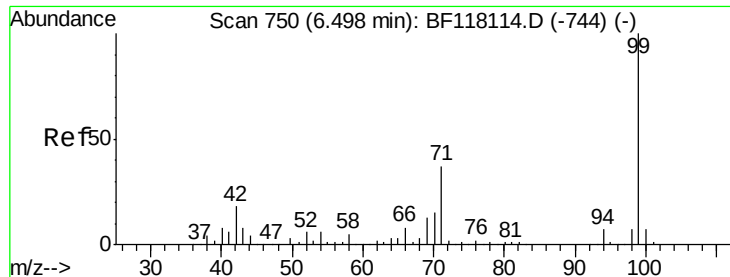


#5

2-Fluorophenol
Concen: 106.052 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF118229.D
Acq: 17 Dec 2019 16:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.6	41.3	61.9
63	27.6	22.4	33.6





#7

Phenol-d6

Concen: 112.118 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118229.D

Acq: 17 Dec 2019 16:34

Instrument :

BNA_F

ClientSampleId :

SHORE-RD-BH-01

Tot Ion: 99 Resp: 1121436

Ion Ratio Lower Upper

99 100

42 18.1 14.1 21.1

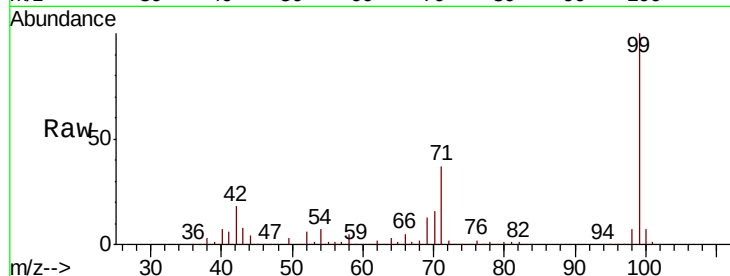
71 37.1 29.7 44.5

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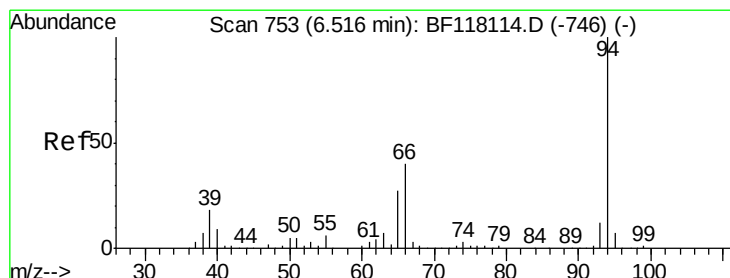
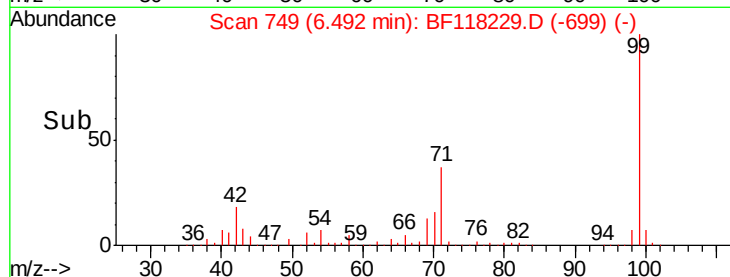
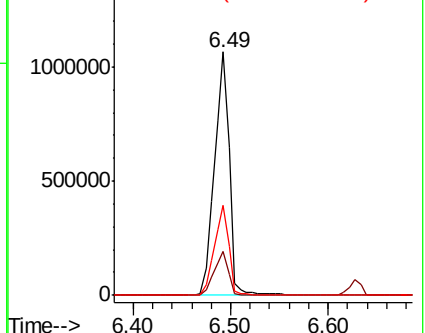
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.158 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118229.D

Acq: 17 Dec 2019 16:34

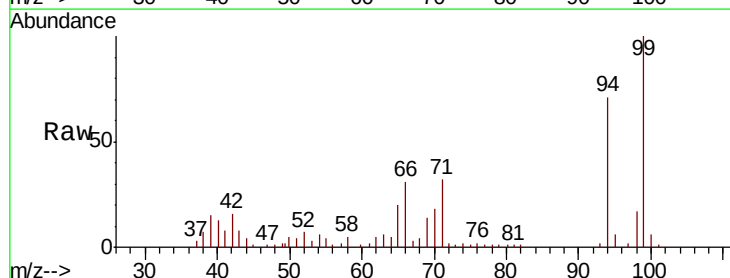
Tgt Ion: 94 Resp: 24621

Ion Ratio Lower Upper

94 100

65 27.9 7.3 47.3

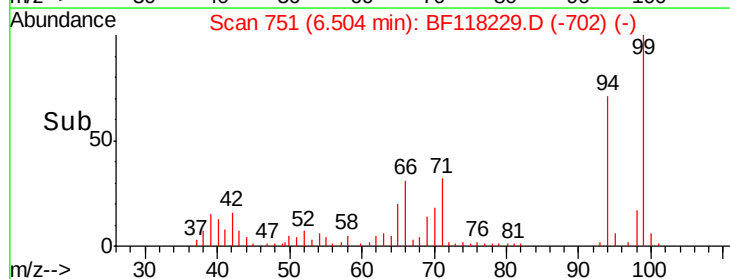
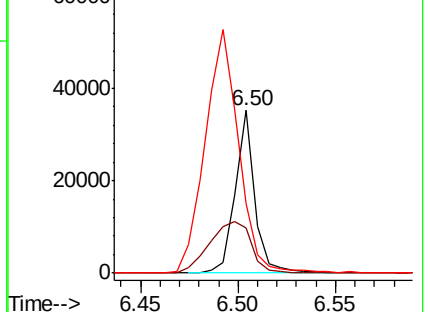
66 43.1 20.2 60.2

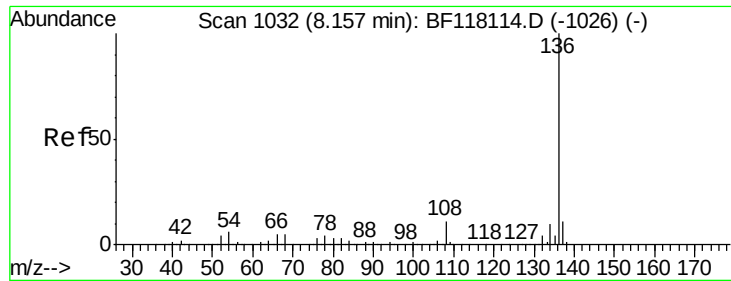


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





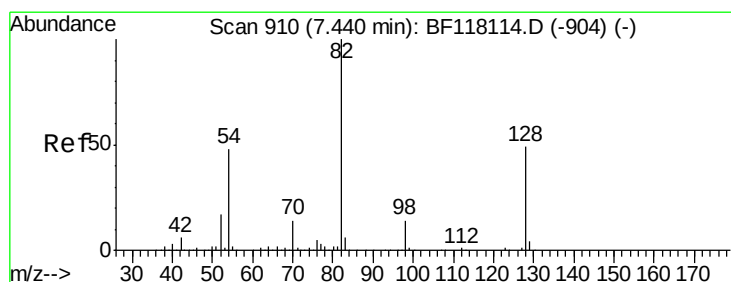
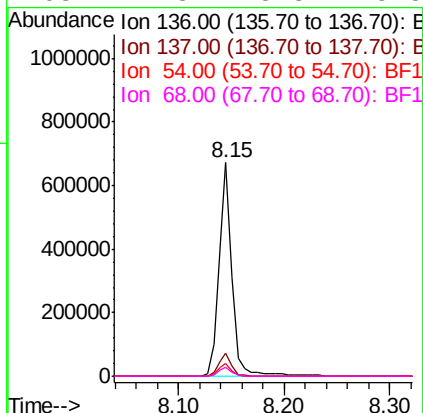
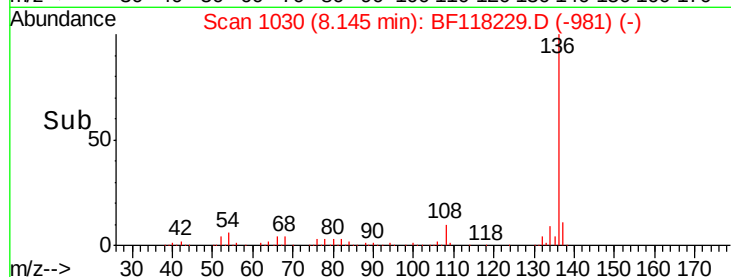
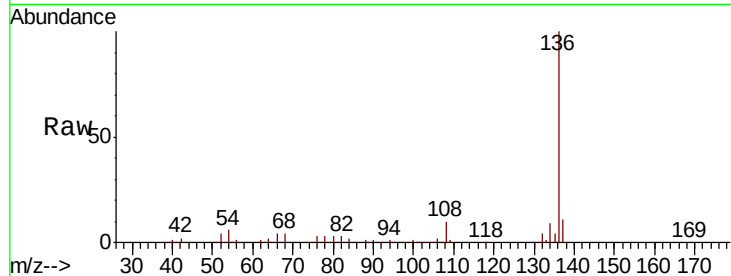
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF118229.D
Acq: 17 Dec 2019 16:34

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-BH-01

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	9.0	13.6	
54	5.9	5.0	7.6	
68	4.3	3.8	5.8	

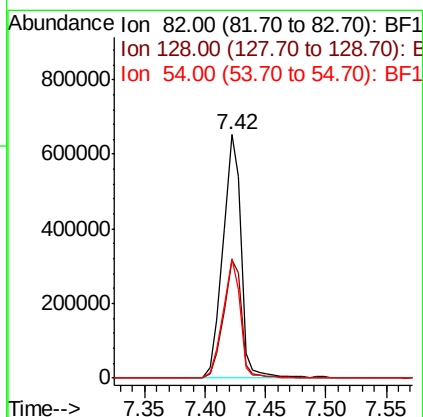
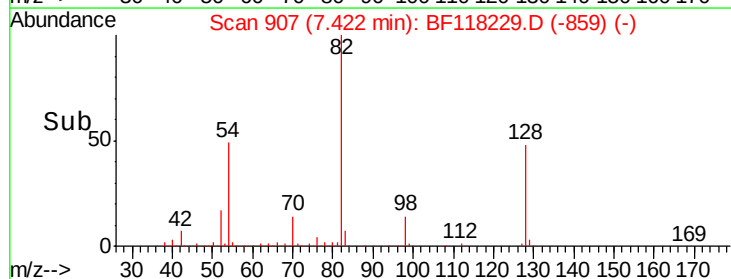
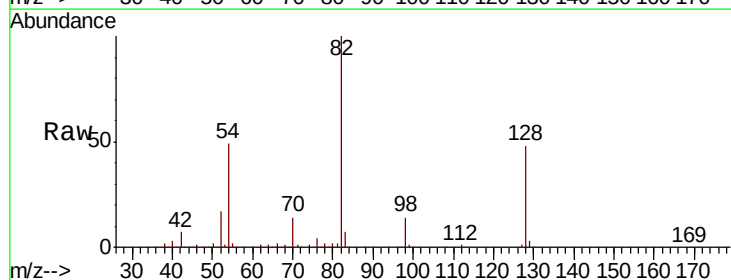
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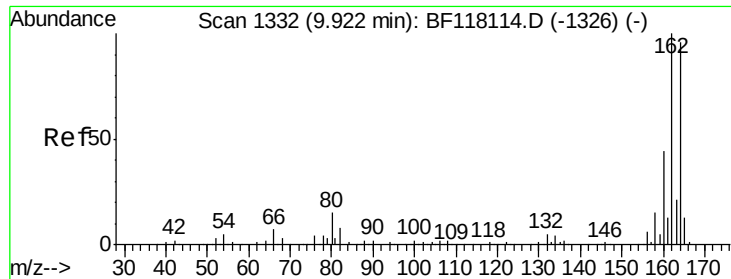
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#23
Nitrobenzene-d5
Concen: 64.477 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF118229.D
Acq: 17 Dec 2019 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.3	39.1	58.7	
54	49.1	38.2	57.2	





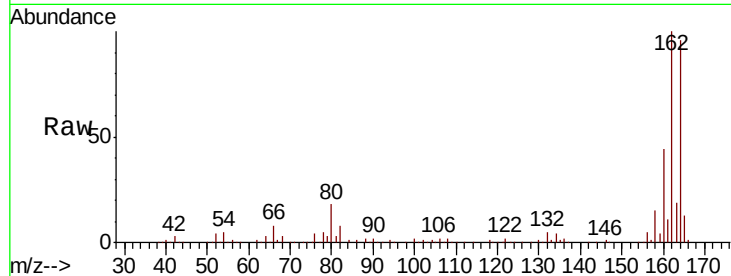
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF118229.D
Acq: 17 Dec 2019 16:34

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-BH-01

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.8	83.4	125.0
160	45.9	36.6	54.8

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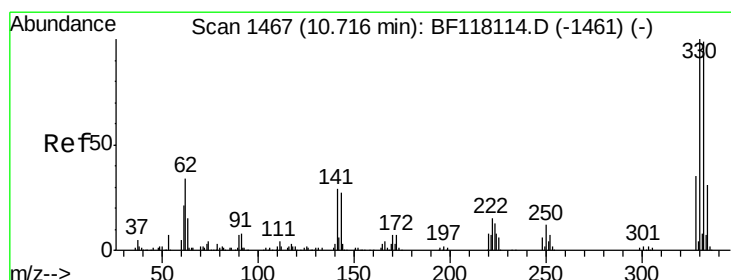
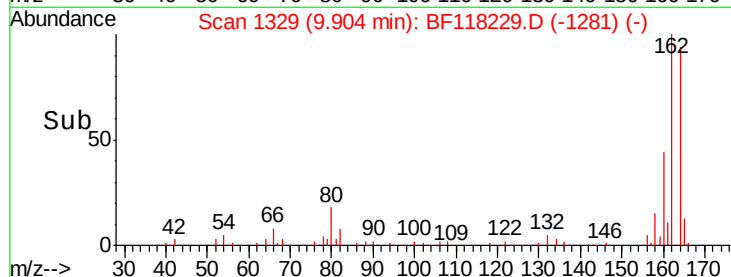
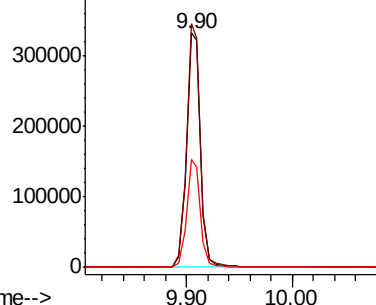


Abundance

Ion 164.00 (163.70 to 164.70): E

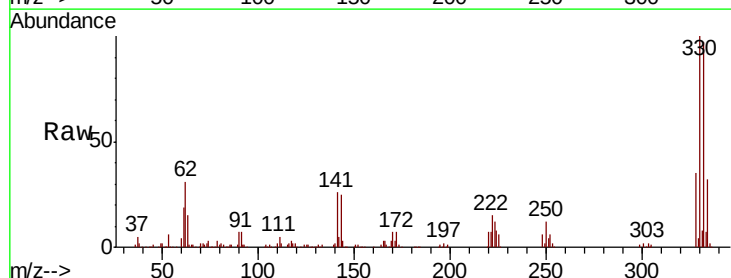
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 96.887 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF118229.D
Acq: 17 Dec 2019 16:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	78.1	117.1
141	32.9	26.9	40.3

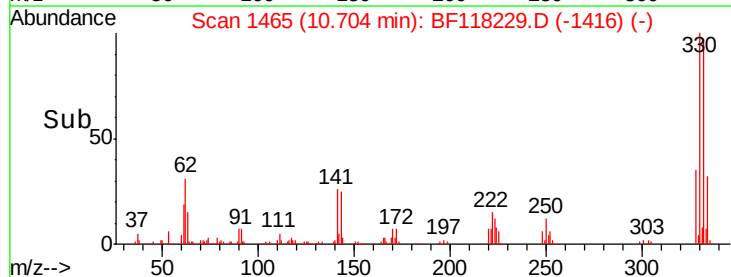
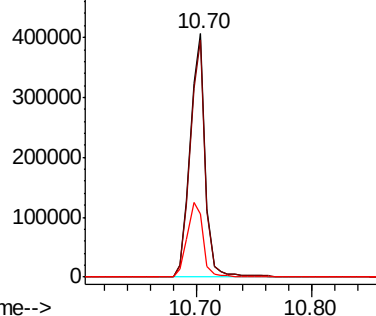


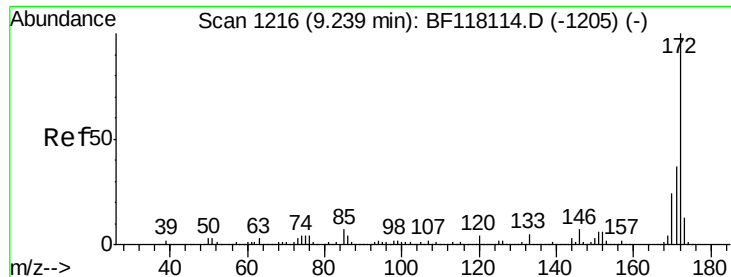
Abundance

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: 65.647 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF118229.D

Acq: 17 Dec 2019 16:34

Instrument :

BNA_F

ClientSampleId :

SHORE-RD-BH-01

Tot Ion:172 Resp: 1355315

Ion Ratio Lower Upper

172 100

171 35.8 29.2 43.8

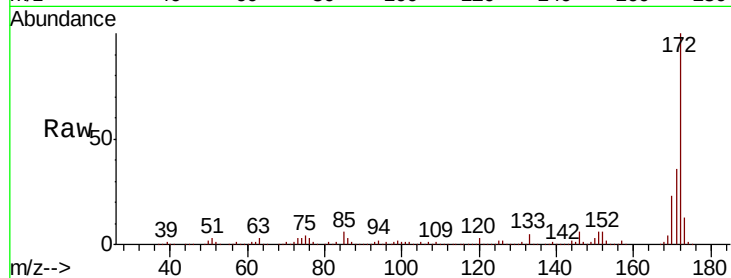
170 23.4 19.4 29.2

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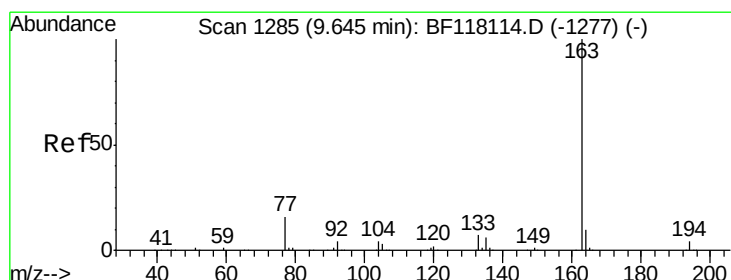
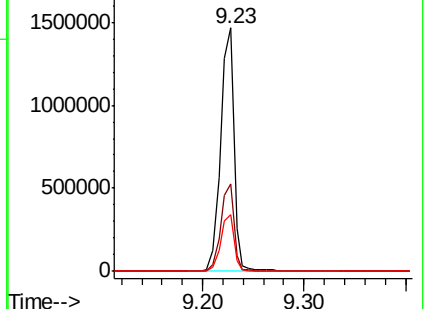
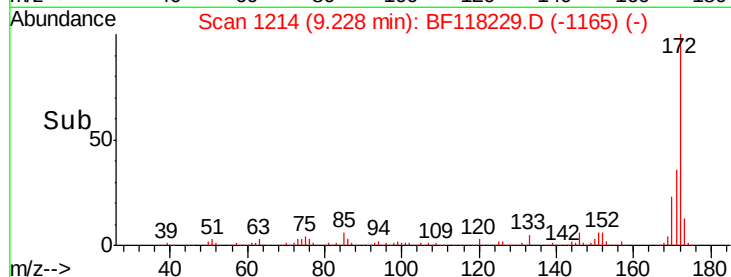
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50

Dimethylphthalate

Concen: 4.521 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.03 min

Lab File: BF118229.D

Acq: 17 Dec 2019 16:34

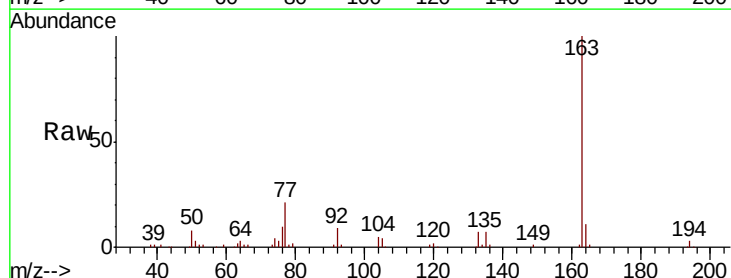
Tgt Ion:163 Resp: 104900

Ion Ratio Lower Upper

163 100

194 3.3 3.1 4.7

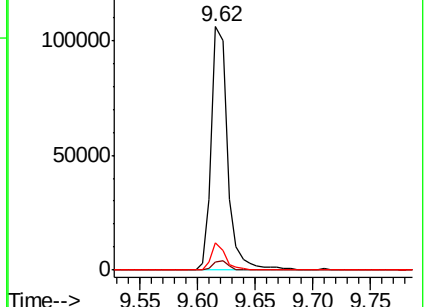
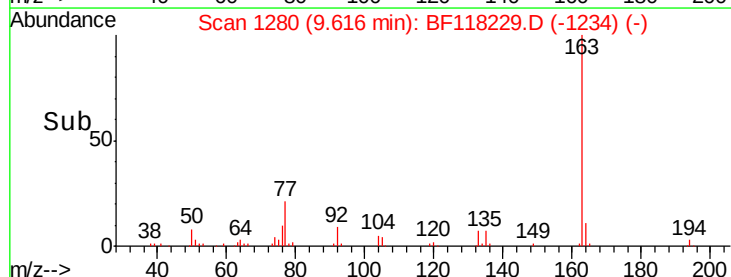
164 11.0 7.7 11.5

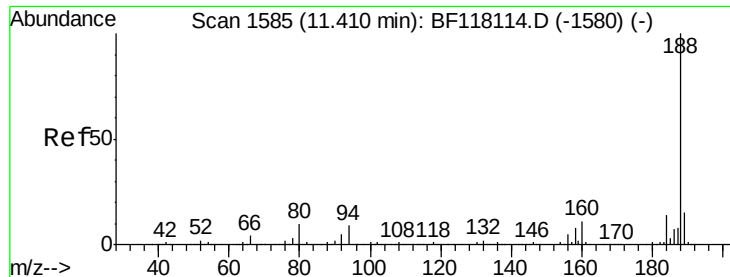


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





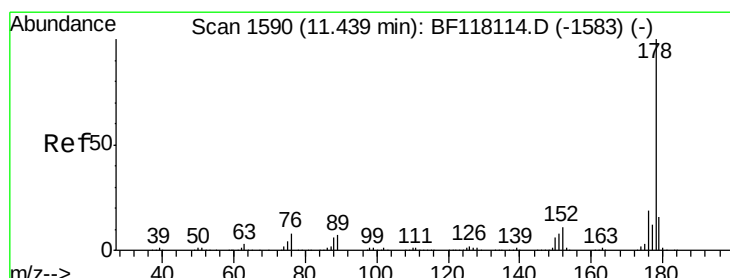
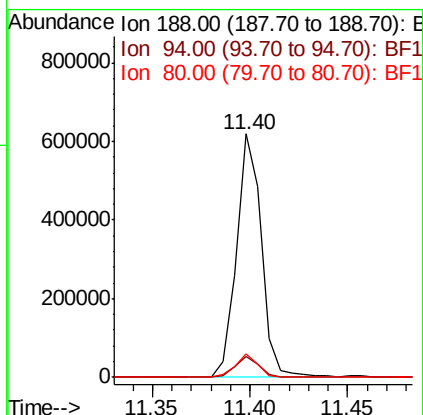
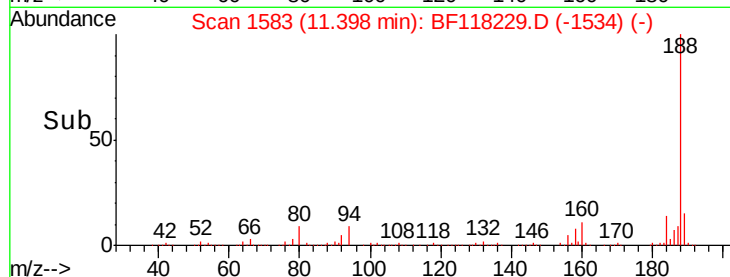
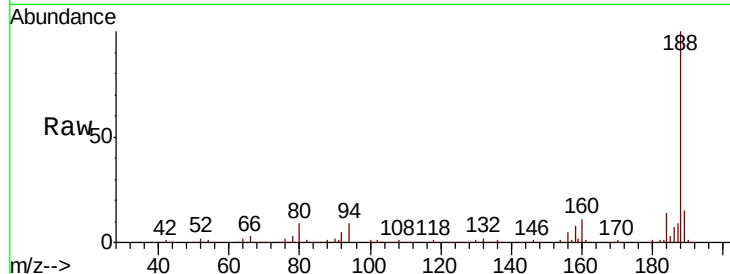
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF118229.D
Acq: 17 Dec 2019 16:34

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-BH-01

Tot Ion	Ratio	Resp	Lower	Upper
188	100	547216		
94	8.8		7.1	10.7
80	9.5		7.9	11.9

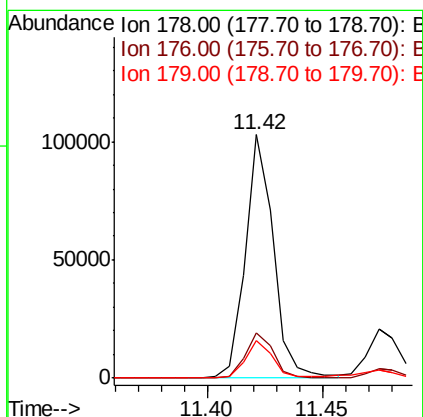
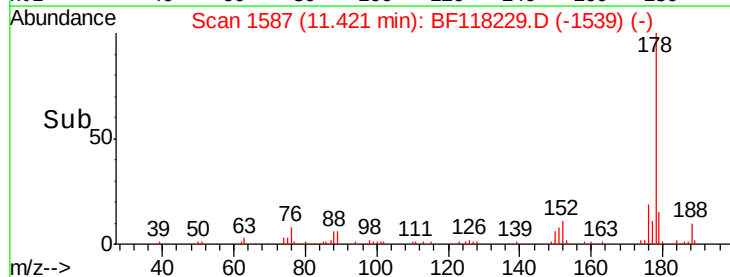
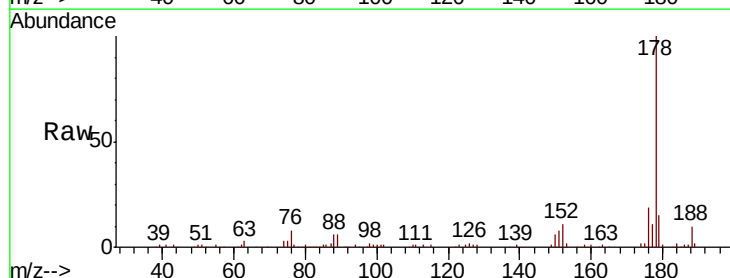
Manual Integrations
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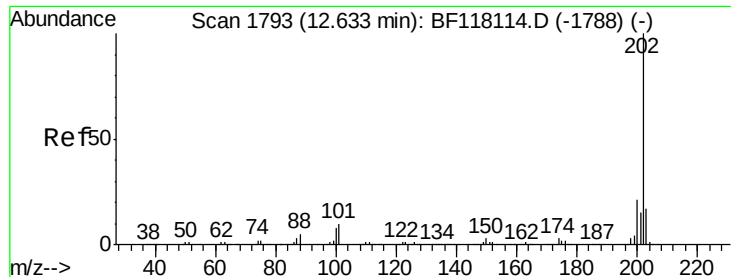
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#71
Phenanthrene
Concen: 3.001 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.02 min
Lab File: BF118229.D
Acq: 17 Dec 2019 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	87288		
176	18.6		15.5	23.3
179	15.2		12.6	18.8





#75

Fluoranthene

Concen: 4.474 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF118229.D

Acq: 17 Dec 2019 16:34

Instrument :

BNA_F

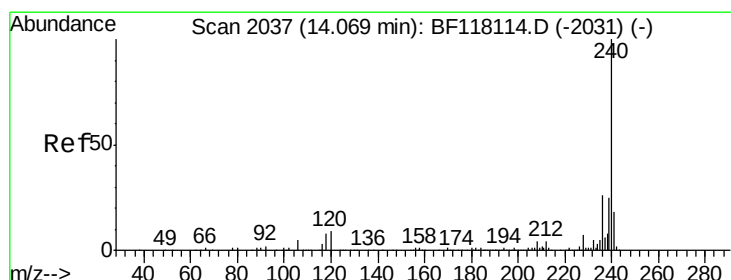
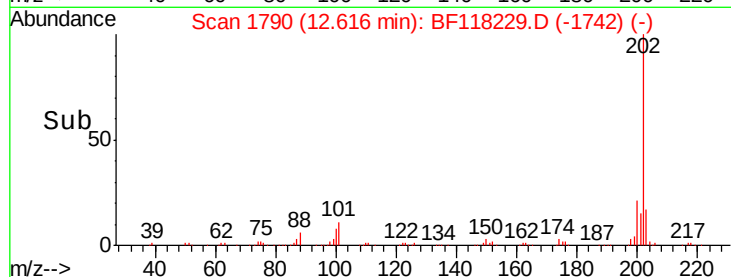
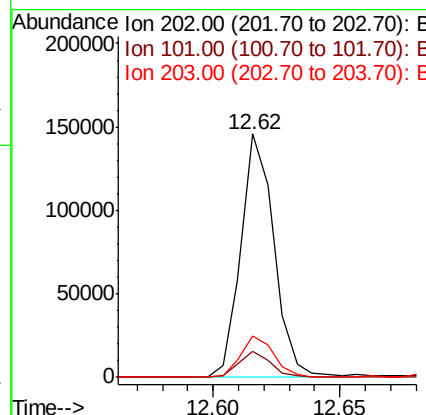
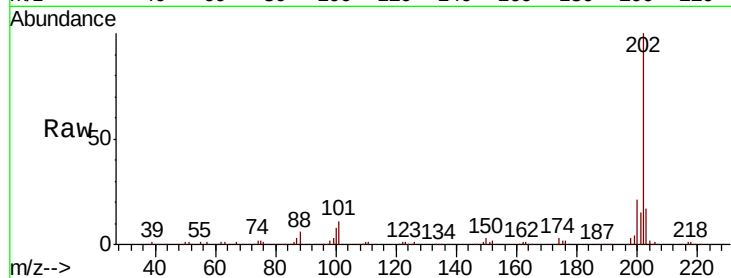
ClientSampleId :

SHORE-RD-BH-01

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.7	0.0	30.4
203	16.8	0.0	37.2

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

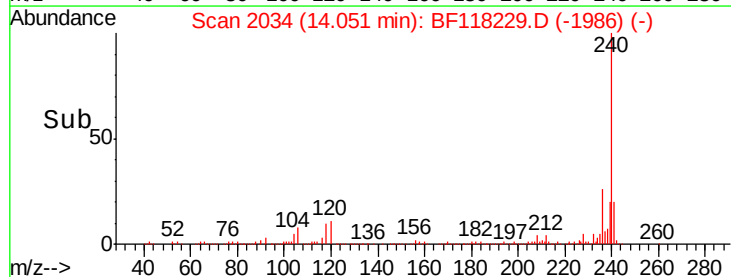
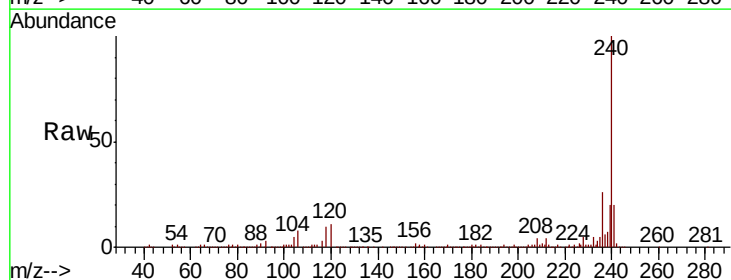
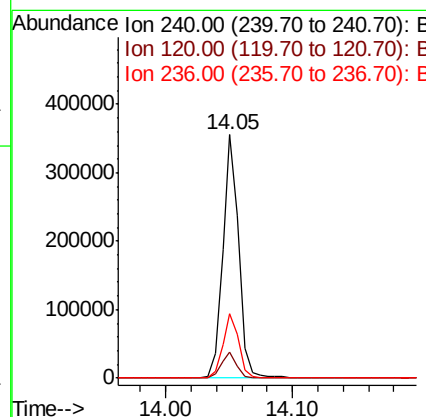
RT: 14.05 min Scan# 2034

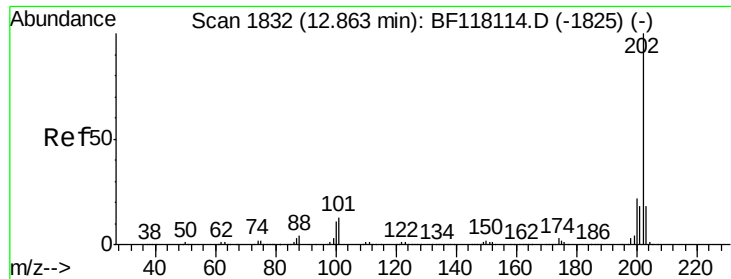
Delta R.T. -0.02 min

Lab File: BF118229.D

Acq: 17 Dec 2019 16:34

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.7	7.1	10.7#
236	26.3	21.0	31.6





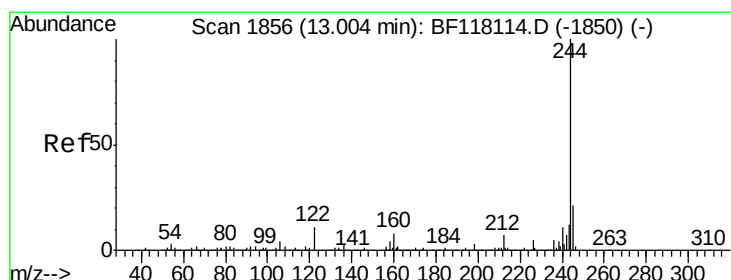
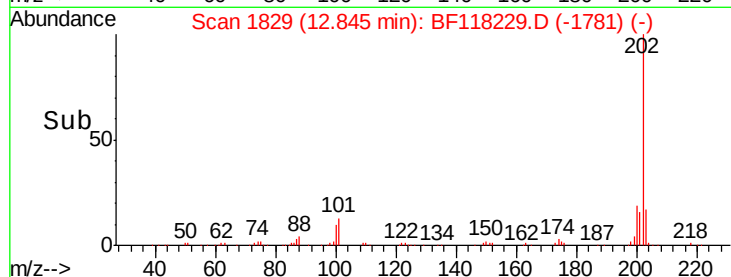
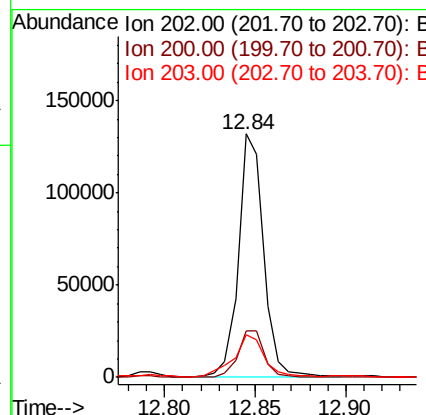
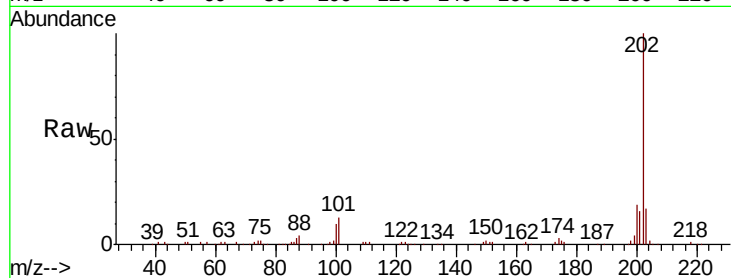
#78
Pvrene
Concen: 5.196 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.02 min
Lab File: BF118229.D
Acq: 17 Dec 2019 16:34

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-BH-01

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.3	17.5	26.3
203	17.3	14.6	21.8

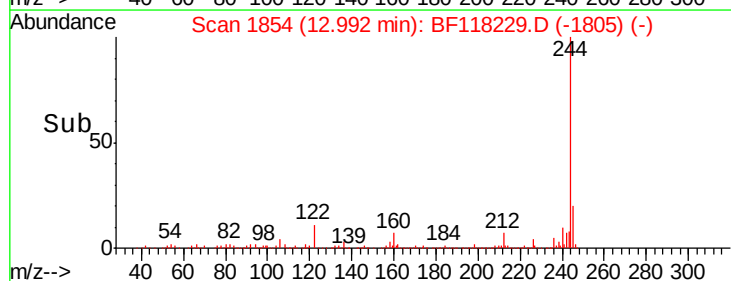
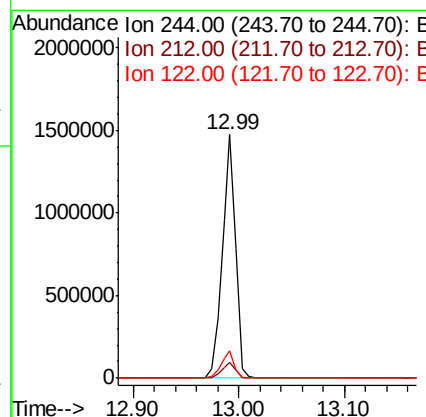
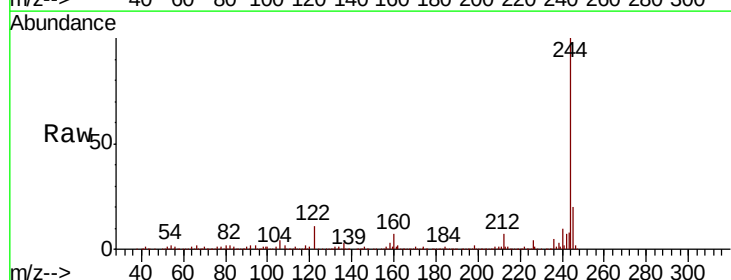
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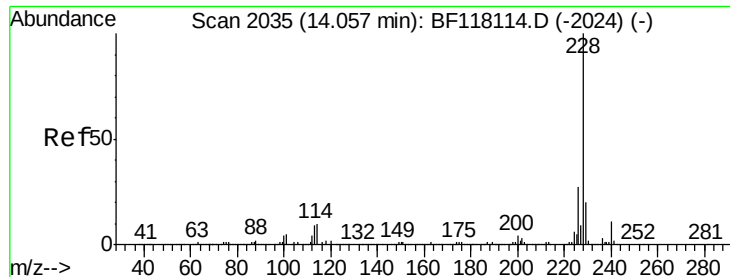
mohammad
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#79
Terphenyl-d14
Concen: 72.290 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF118229.D
Acq: 17 Dec 2019 16:34

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	5.9	8.9
122	11.1	9.0	13.6





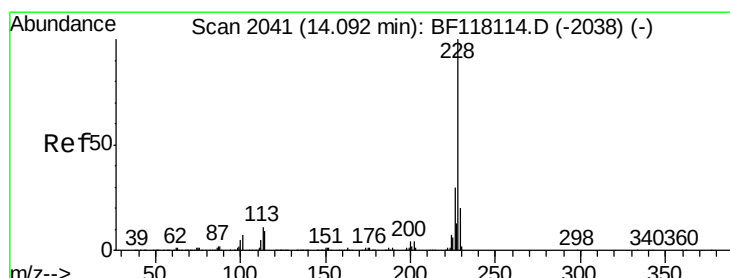
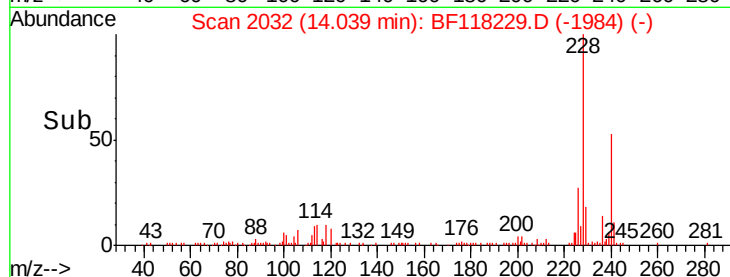
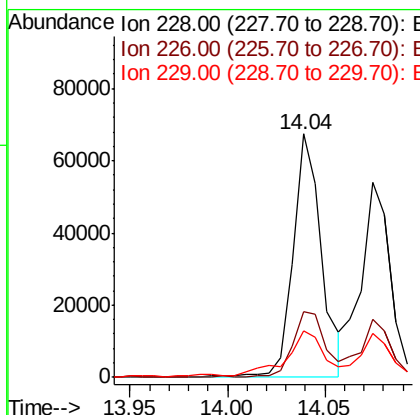
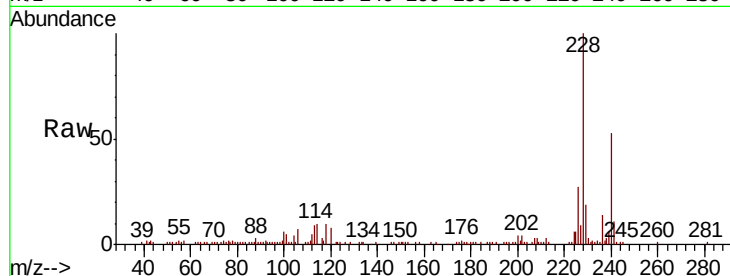
#81
Benzo(a)anthracene
Concen: 3.139 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.02 min
Lab File: BF118229.D
Acq: 17 Dec 2019 16:34

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-BH-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.8	32.8
229	18.9	15.8	23.8

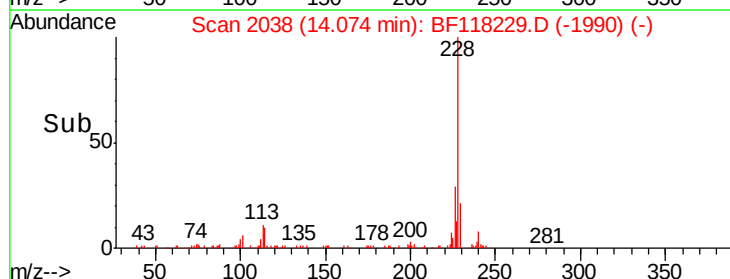
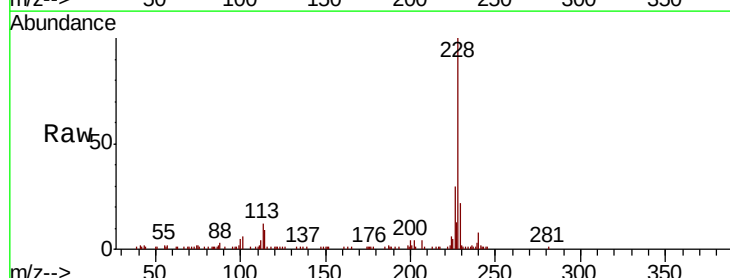
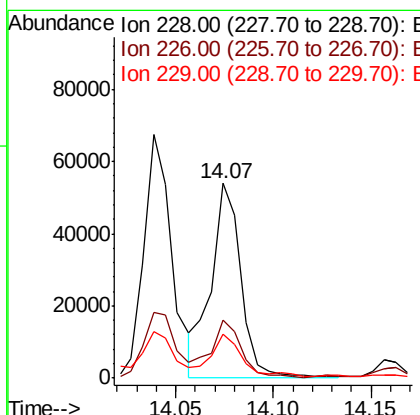
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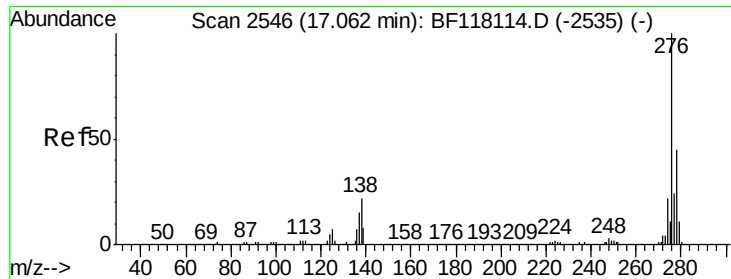
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#83
Chrysene
Concen: 2.765 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.02 min
Lab File: BF118229.D
Acq: 17 Dec 2019 16:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.8
229	22.4	15.7	23.5





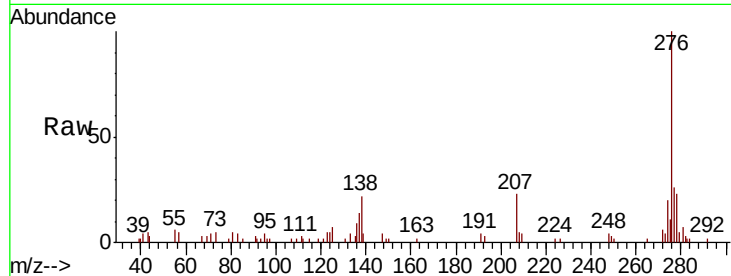
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.128 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.02 min
Lab File: BF118229.D
Acq: 17 Dec 2019 16:34

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-BH-01

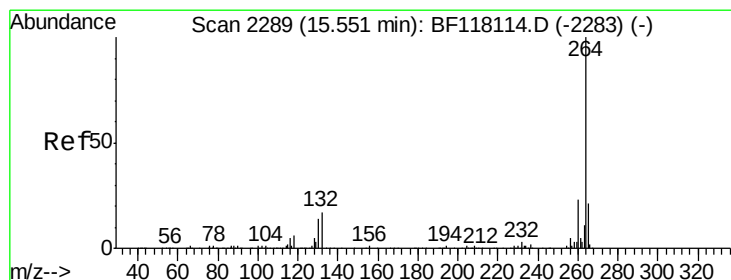
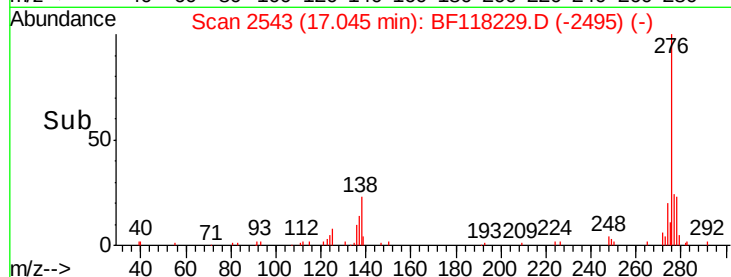
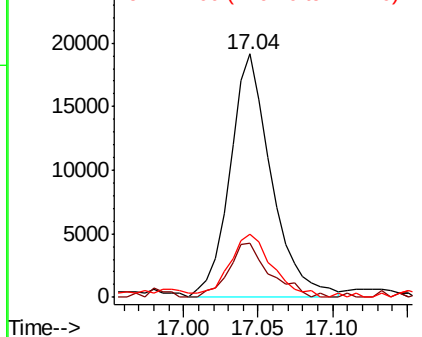
Tot Ion:	276	Resp:	37008
Ion Ratio	Lower	Upper	
276	100		
138	22.3	18.9	28.3
277	26.9	20.4	30.6

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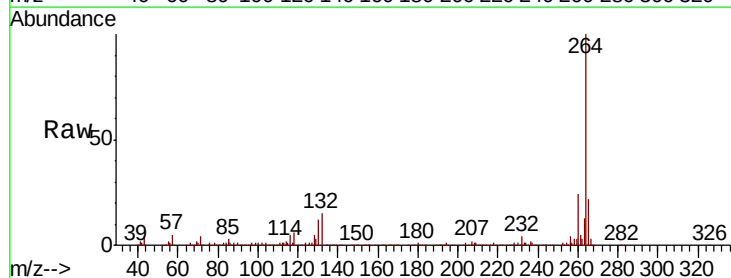


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

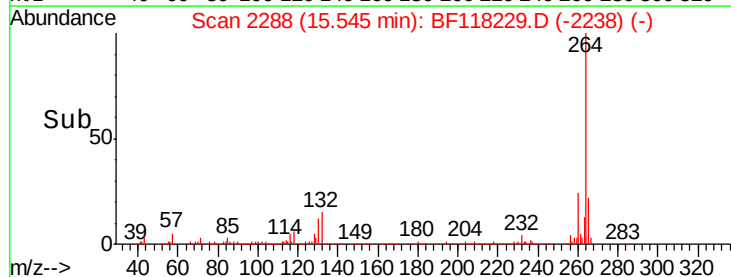
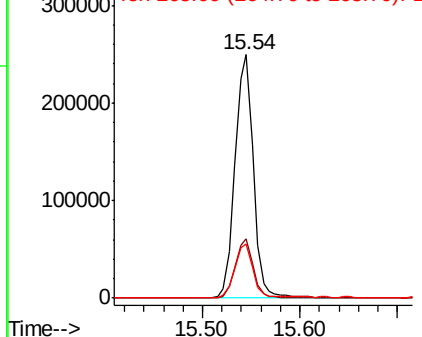


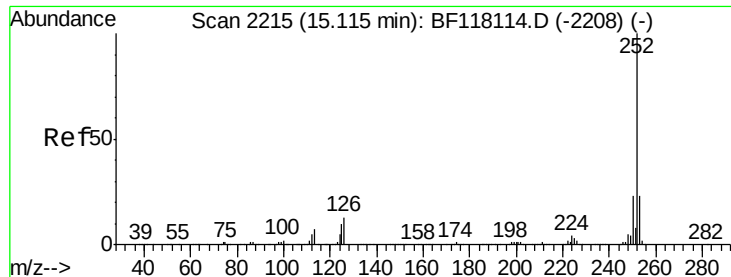
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BF118229.D
Acq: 17 Dec 2019 16:34

Tgt Ion:	264	Resp:	325632
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.6	28.0
265	22.0	16.8	25.2



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





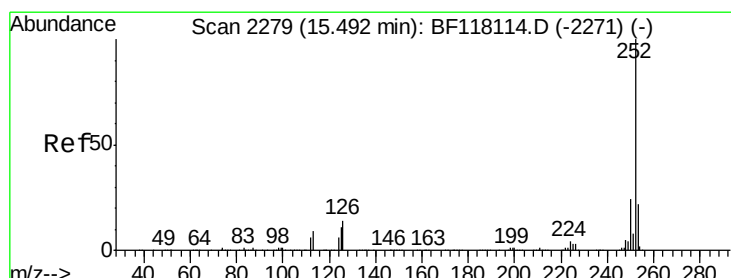
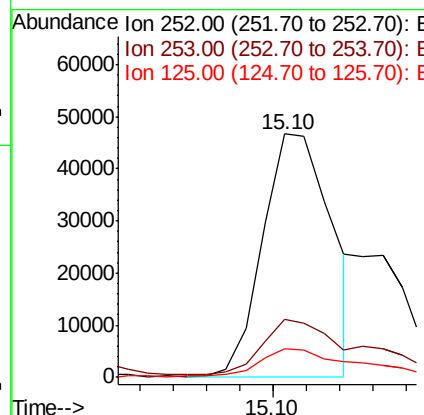
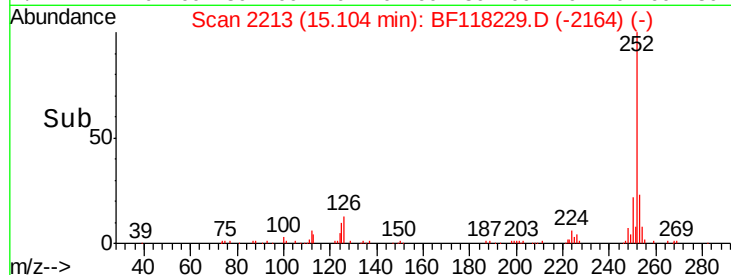
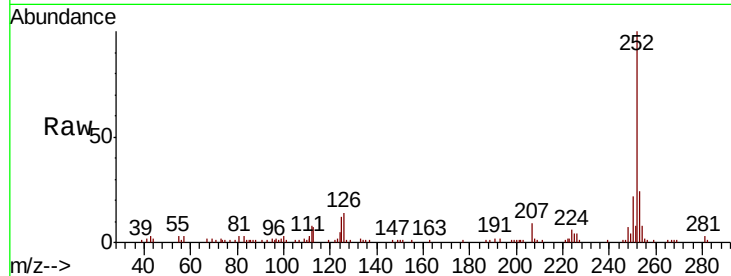
#88
Benzo(b)fluoranthene
Concen: 3.135 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF118229.D
Acq: 17 Dec 2019 16:34

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-BH-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.2	27.4
125	11.5	8.3	12.5

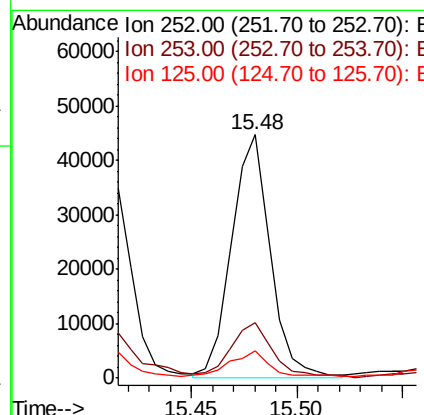
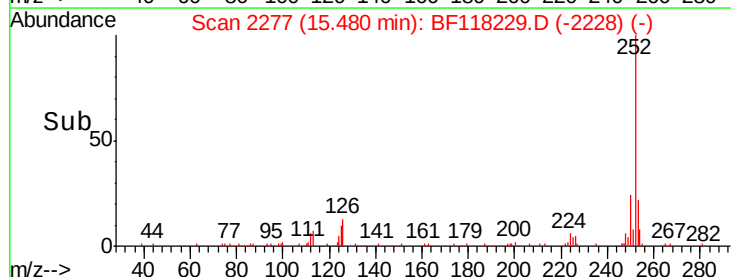
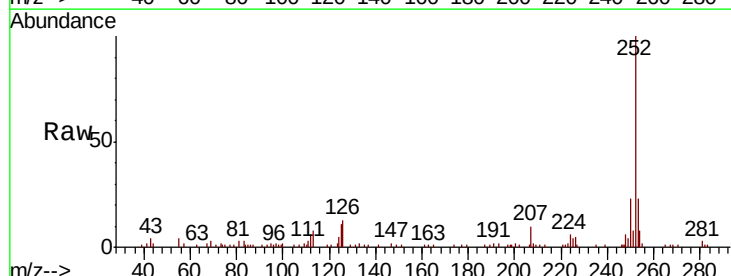
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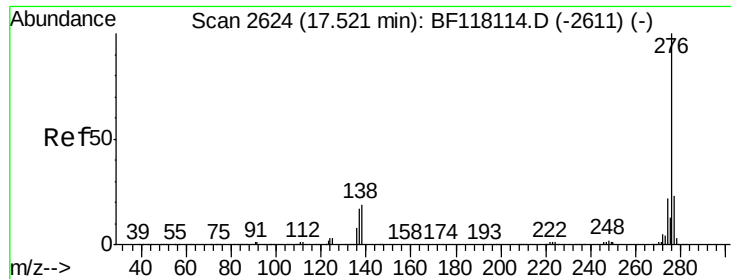
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#90
Benzo(a)pyrene
Concen: 2.967 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.01 min
Lab File: BF118229.D
Acq: 17 Dec 2019 16:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	11.0	9.1	13.7





#92
 Benzo(a,h,i)perylene
 Concen: 2.444 ng
 RT: 17.50 min Scan# 2620
 Delta R.T. -0.02 min
 Lab File: BF118229.D
 Acq: 17 Dec 2019 16:34

Instrument :
 BNA_F
 ClientSampleId :
 SHORE-RD-BH-01

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.2	27.4
138	22.1	15.5	23.3

Manual Integrations
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