

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
 Data File : BF118836.D
 Acq On : 6 Feb 2020 14:50
 Operator : CG/JU
 Sample : L1408-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SHORE-RD-PATH-BH-03-A

Manual Integrations
 APPROVED

mohammad
 2/10/2020 8:10:47 AM

Quant Time: Feb 06 17:33:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	231362	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	867044	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	512895	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	990545	20.00	ng	0.00
76) Chrysene-d12	13.97	240	712808	20.00	ng	-0.01
87) Perylene-d12	15.42	264	748979	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1263671	103.39	ng	0.00
7) Phenol-d6	6.45	99	1544755	101.81	ng	0.00
23) Nitrobenzene-d5	7.37	82	1020886	70.18	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	635277	103.52	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	2115954	73.75	ng	-0.01
79) Terphenyl-d14	12.92	244	2691092	77.55	ng	-0.01
Target Compounds						
10) Phenol	6.46	94	41940	2.486	ng	94
50) Dimethylphthalate	9.56	163	180718	5.175	ng	98
71) Phenanthrene	11.35	178	446135	9.154	ng	97
72) Anthracene	11.40	178	108409	2.236	ng	97
75) Fluoranthene	12.54	202	725351	13.632	ng	99
78) Pyrene	12.77	202	681072	13.928	ng	97
81) Benzo(a)anthracene	13.96	228	325193	7.667	ng	94
83) Chrysene	13.99	228	324347	7.619	ng	96
86) Indeno(1,2,3-cd)pyrene	16.84	276	204504	4.781	ng	94
88) Benzo(b)fluoranthene	14.99	252	399084m	8.587	ng	
89) Benzo(k)fluoranthene	15.02	252	145429m	3.593	ng	
90) Benzo(a)pyrene	15.35	252	295905	7.440	ng	98
92) Benzo(a,h,i)perylene	17.27	276	187724	5.528	ng	97

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

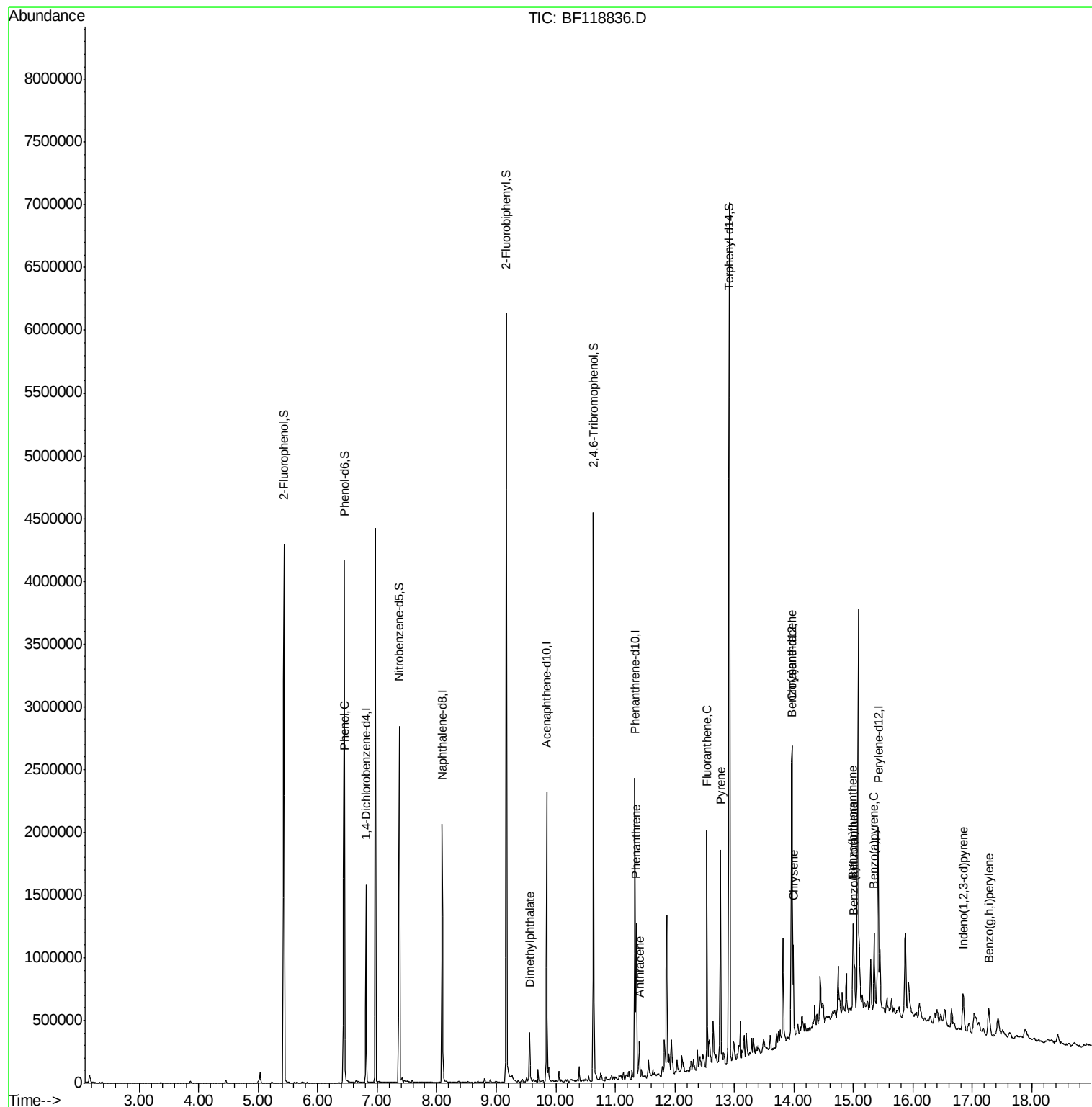
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118836.D
Acq On : 6 Feb 2020 14:50
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ALS Vial : 7 Sample Multiplier: 1

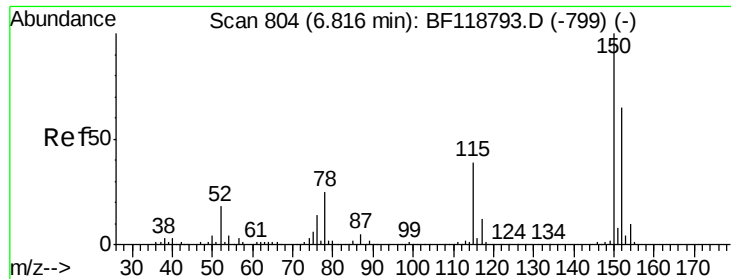
Instrument :
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SHORE-RD-PATH-BH-03-A

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Quant Time: Feb 06 17:33:40 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration





#1

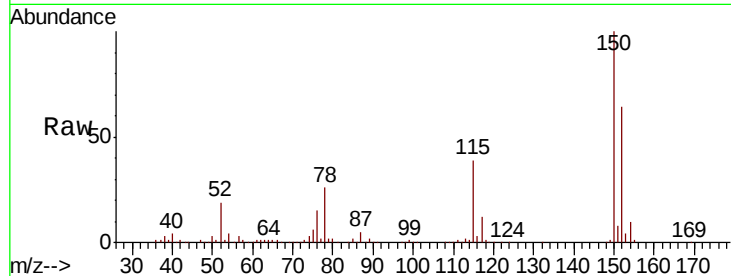
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-03-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	123.6	185.4
115	61.4	48.2	72.2

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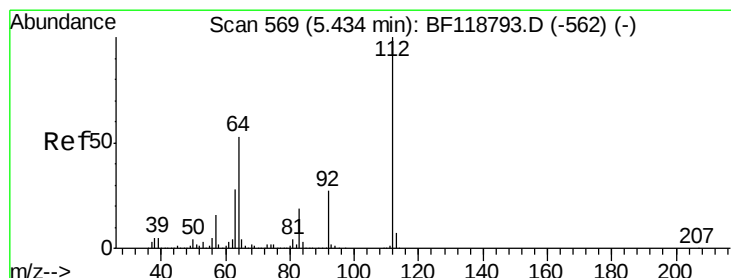
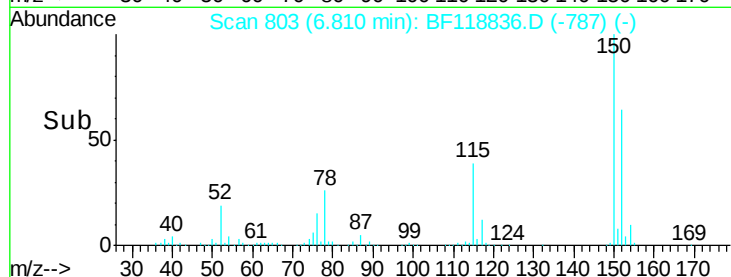
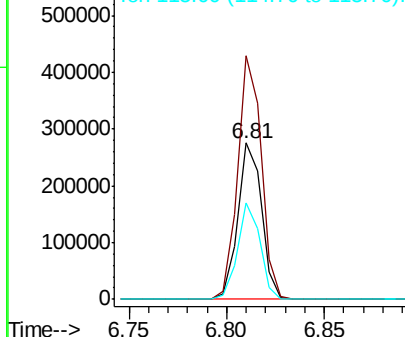


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

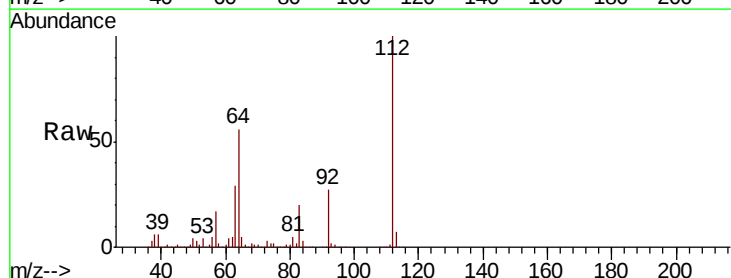
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 103.389 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	42.6	63.8
63	29.1	22.2	33.4

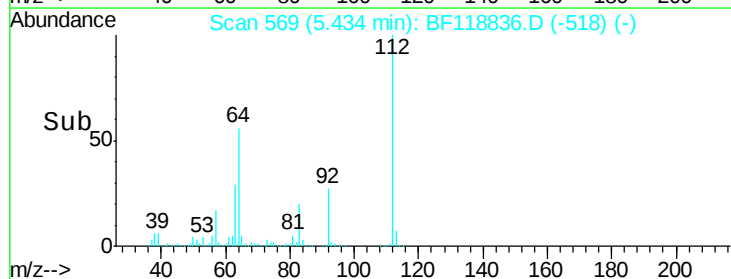
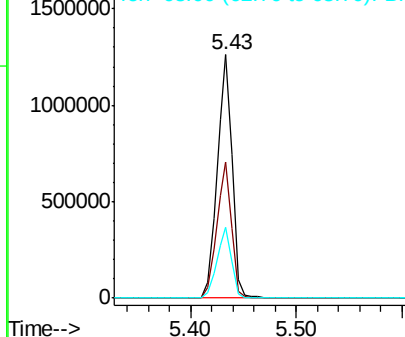


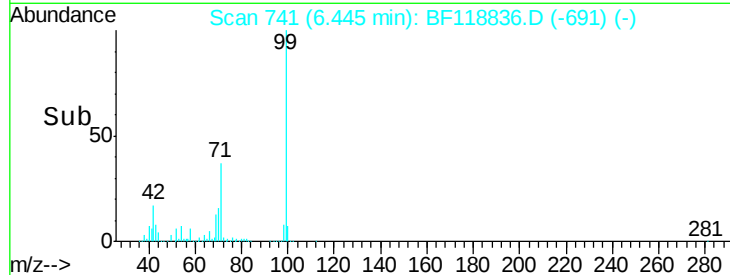
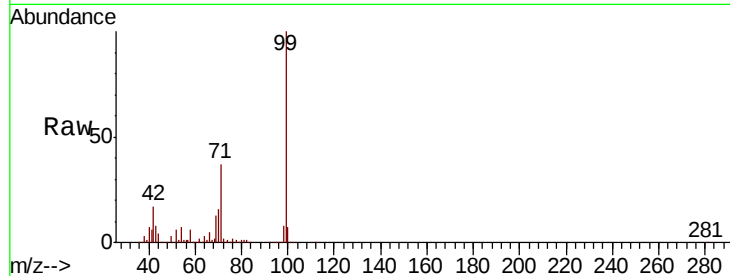
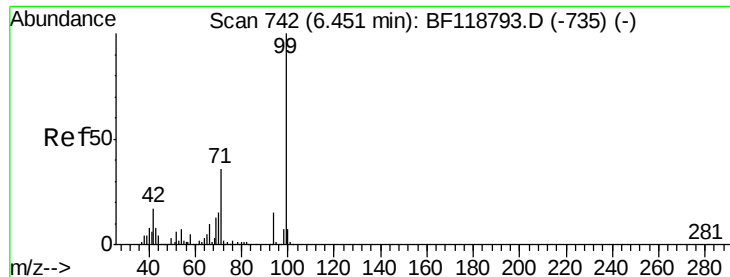
Abundance

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: 101.814 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118836.D

Acq: 6 Feb 2020 14:50

Tot Ion:	99	Resp:	1544755
Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.4	20.0
71	37.2	29.0	43.6

Instrument :

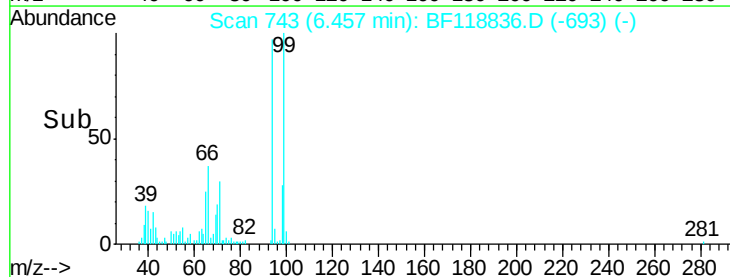
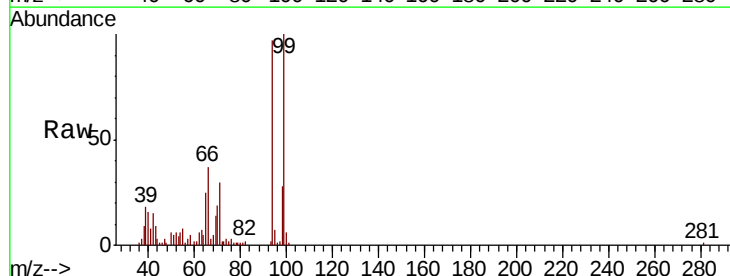
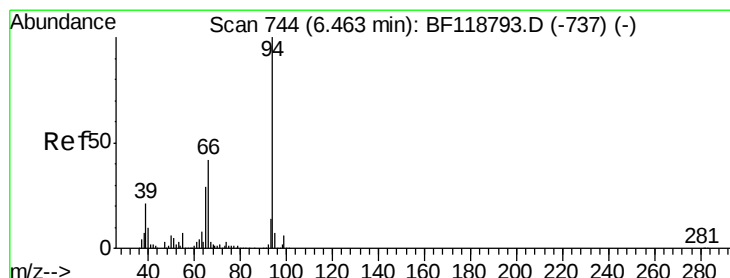
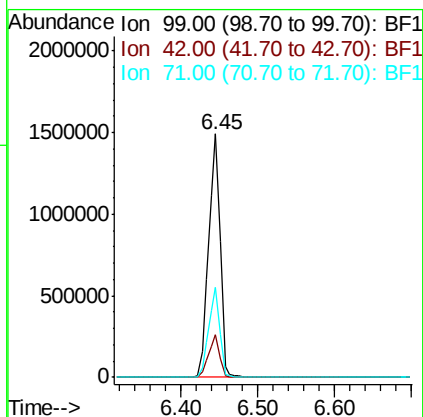
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#10

Phenol

Concen: 2.486 ng

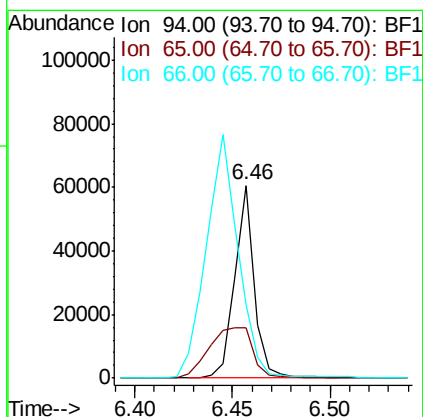
RT: 6.46 min Scan# 743

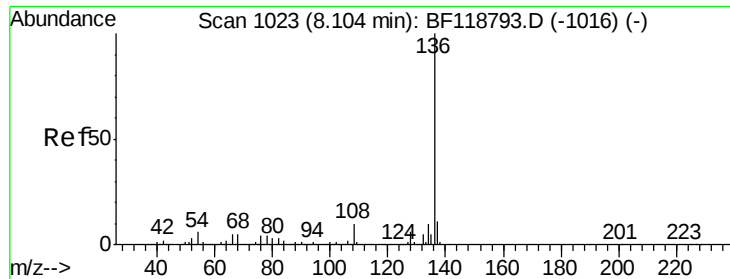
Delta R.T. -0.01 min

Lab File: BF118836.D

Acq: 6 Feb 2020 14:50

Tgt Ion:	94	Resp:	41940
Ion	Ratio	Lower	Upper
94	100		
65	26.0	9.1	49.1
66	37.9	21.7	61.7





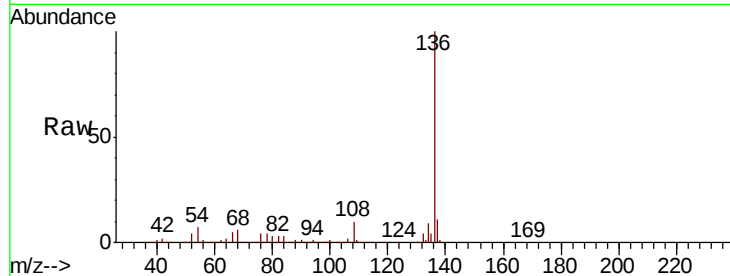
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-03-A

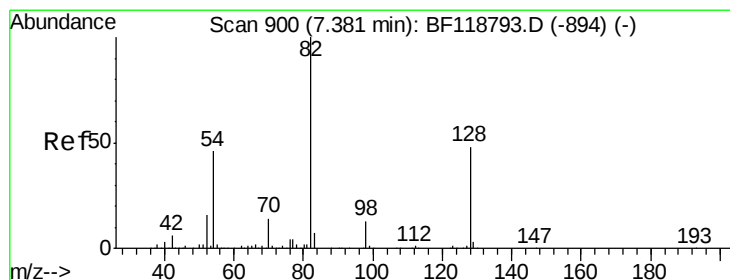
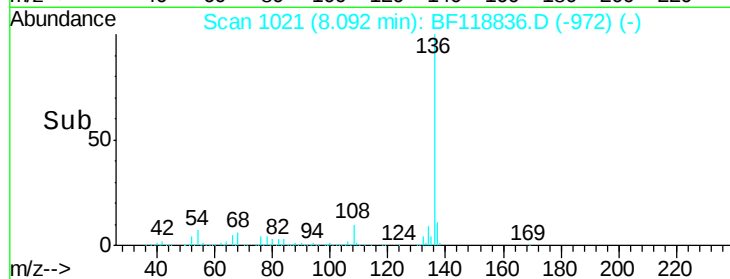
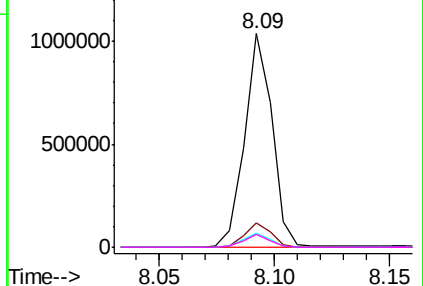
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		867044		
137	11.4	8.7	13.1		
54	6.7	5.0	7.6		
68	5.8	4.2	6.4		

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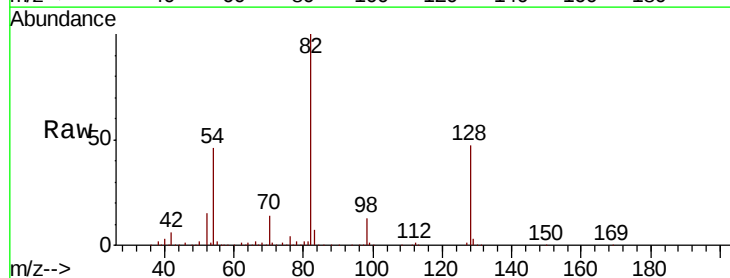


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

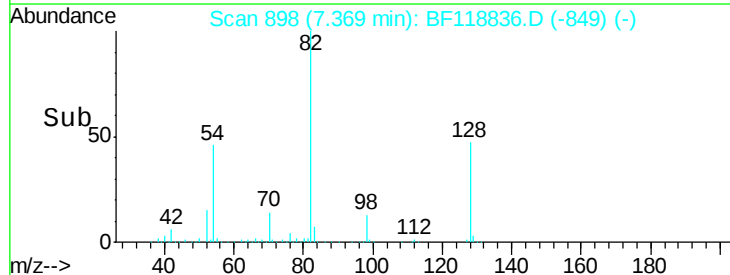
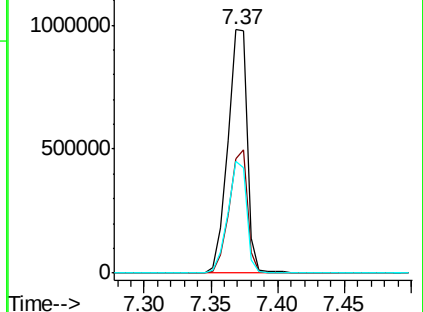


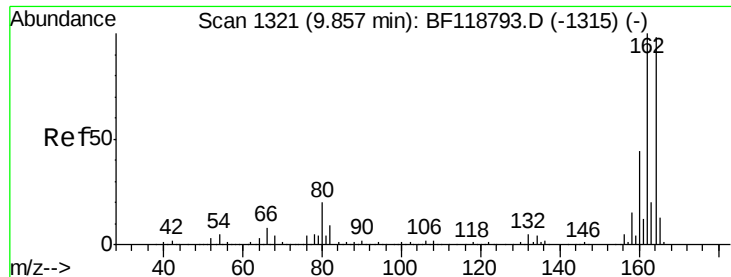
#23
Nitrobenzene-d5
Concen: 70.181 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		1020886		
128	47.1	38.5	57.7		
54	45.9	36.7	55.1		



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





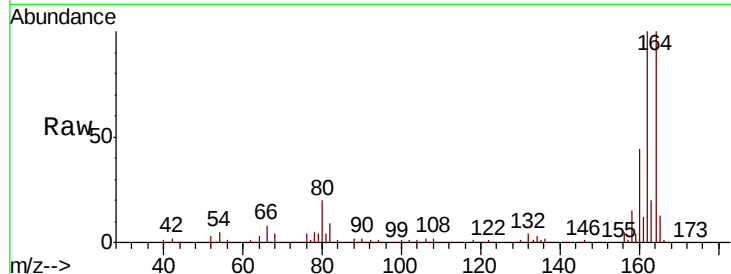
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-03-A

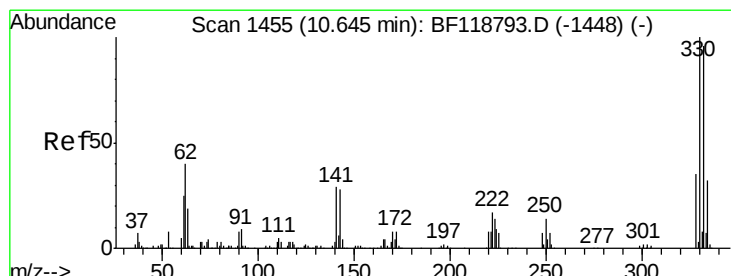
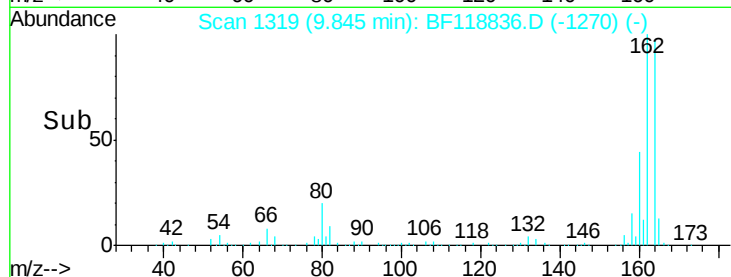
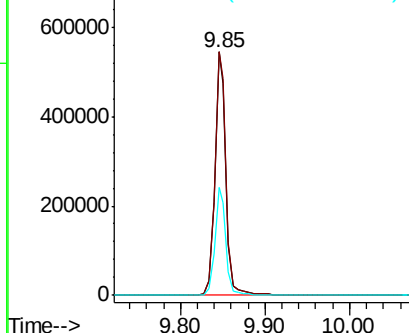
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.1	81.4	122.2	
160	44.3	35.6	53.4	

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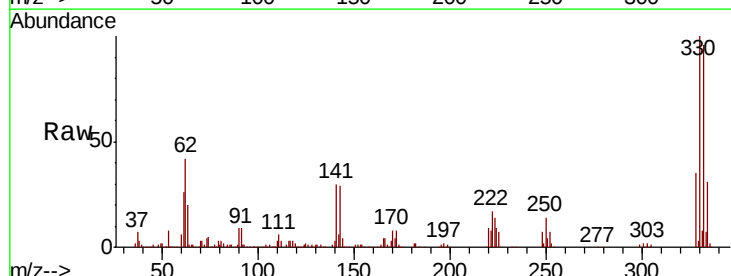


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

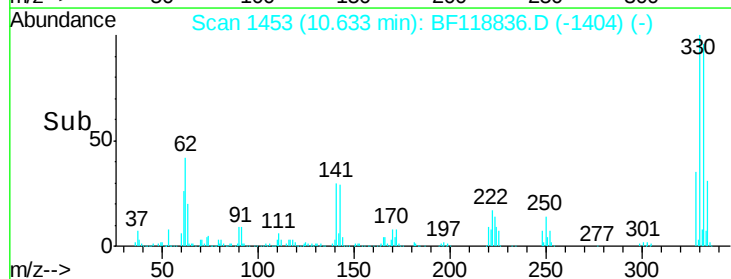
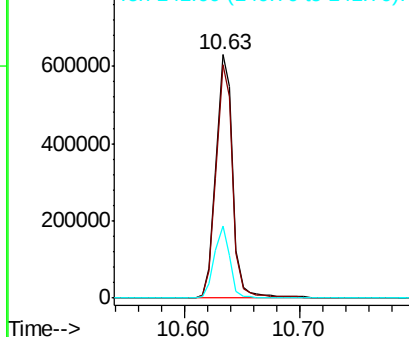


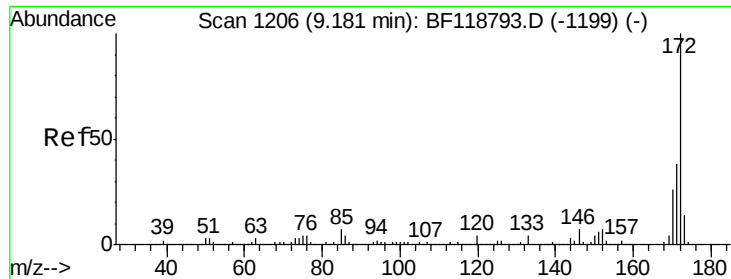
#42
2,4,6-Tribromophenol
Concen: 103.517 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.0	77.3	115.9	
141	28.3	22.4	33.6	



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





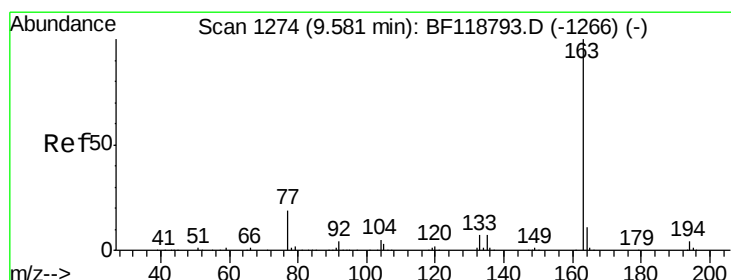
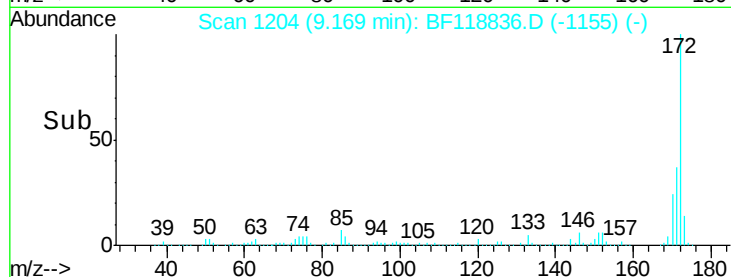
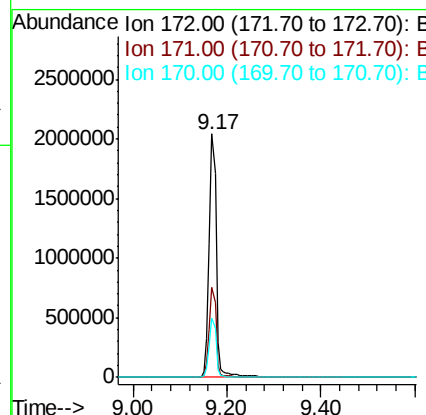
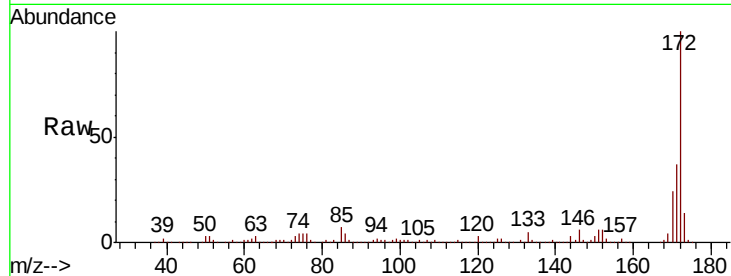
#45
2-Fluorobiphenyl
Concen: 73.752 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-03-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.8	46.2
170	24.3	20.5	30.7

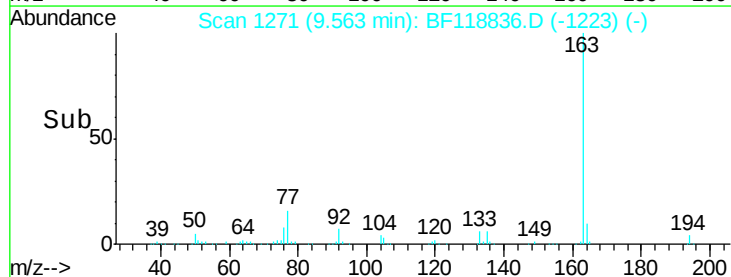
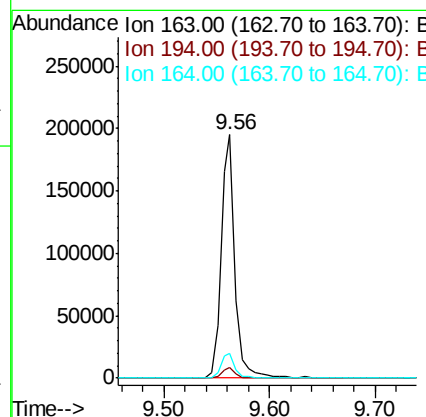
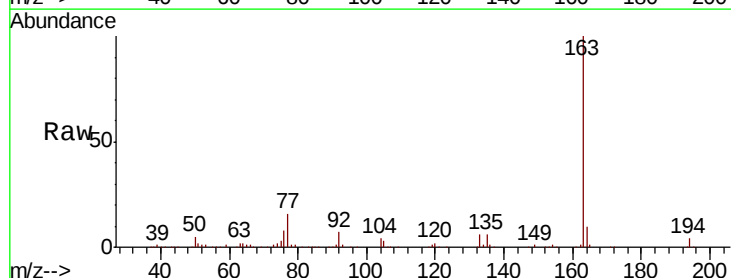
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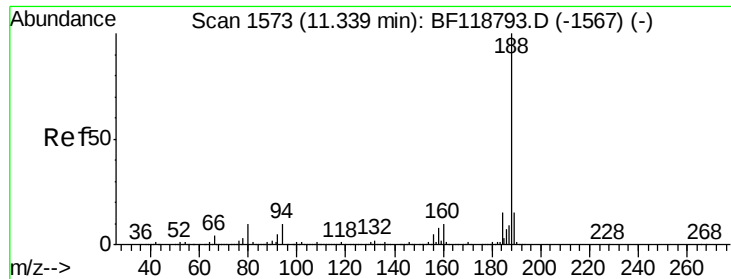
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#50
Dimethylphthalate
Concen: 5.175 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.6	5.4
164	10.1	8.7	13.1





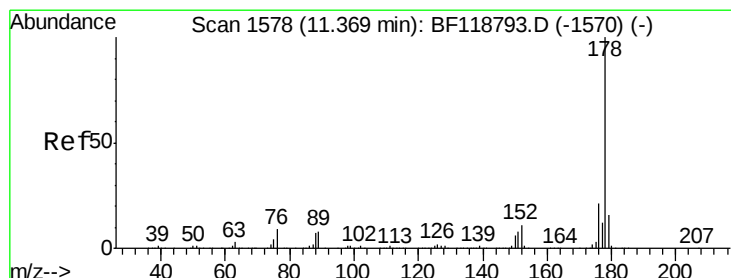
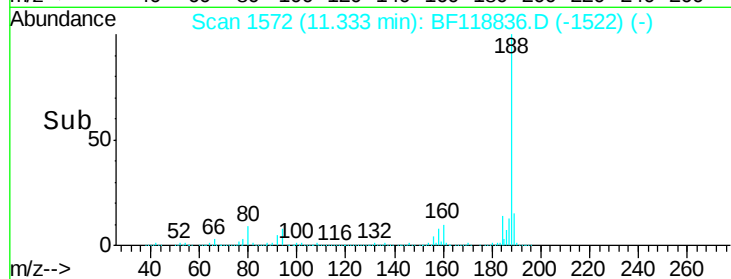
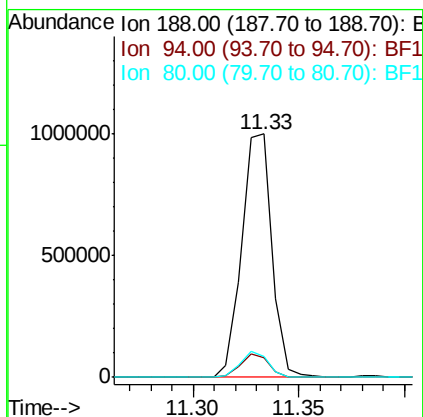
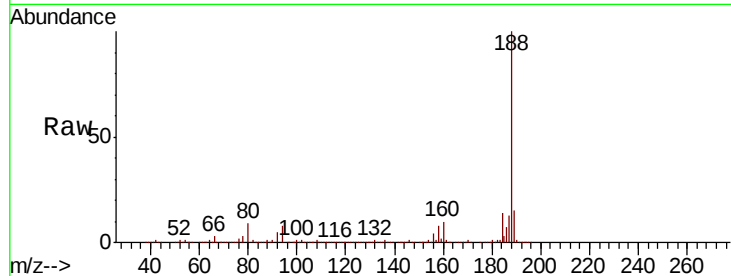
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
188	100	990545		
94	8.3		7.9	11.9
80	8.8		8.4	12.6

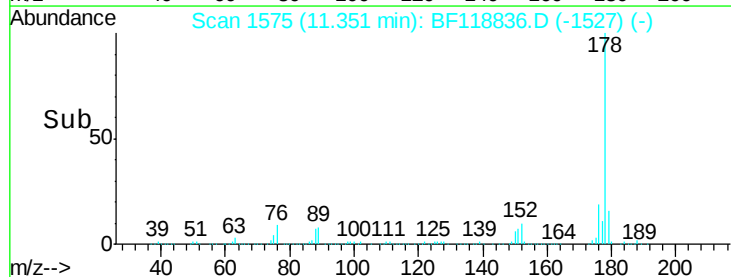
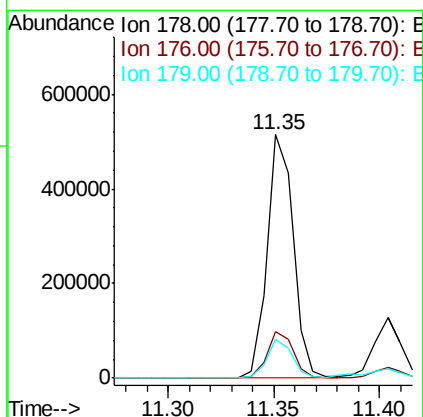
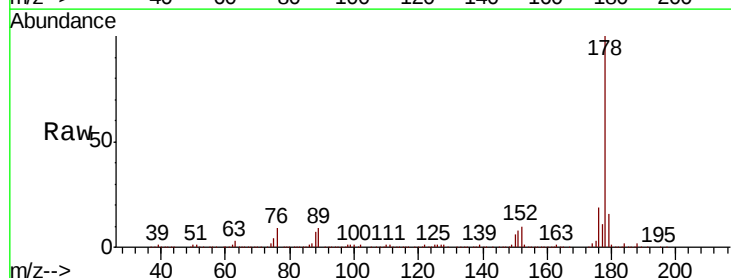
Manual Integrations
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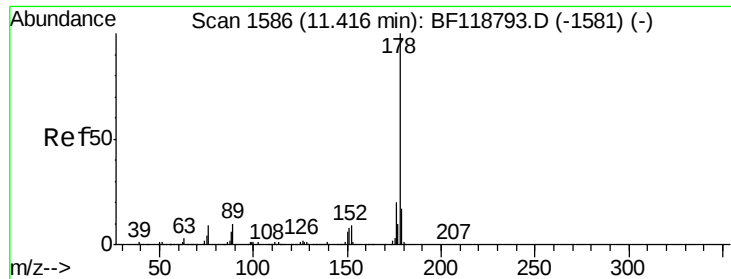
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#71
Phenanthrene
Concen: 9.154 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	446135		
176	18.9		16.6	24.8
179	15.7		13.2	19.8





#72

Anthracene

Concen: 2.236 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF118836.D

Acq: 6 Feb 2020 14:50

Instrument :

BNA_F

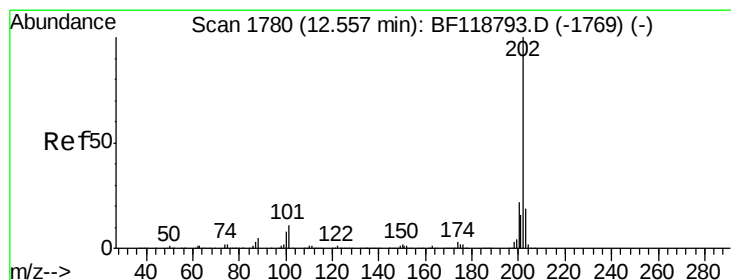
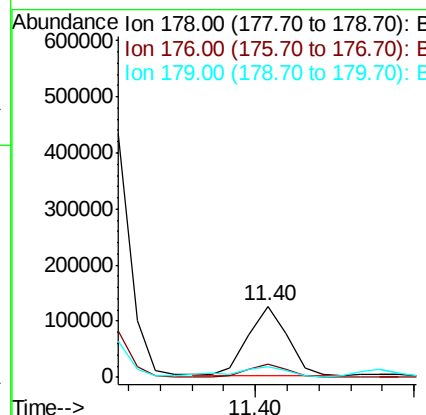
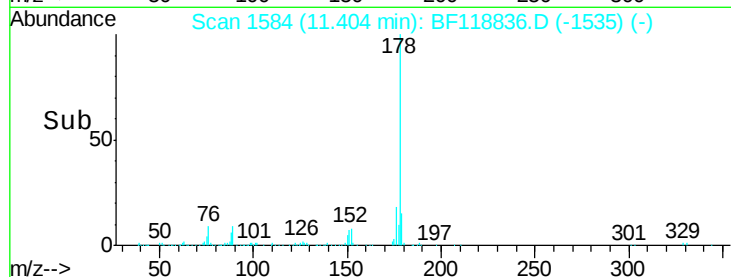
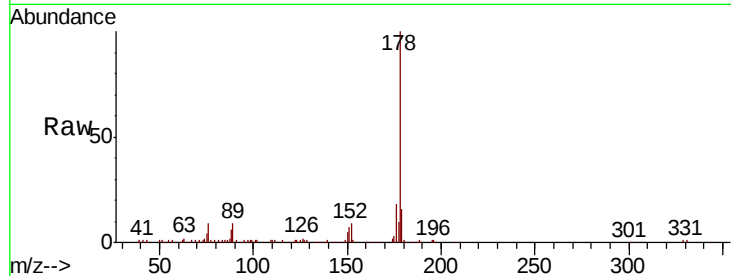
ClientSampleId :

SHORE-RD-PATH-BH-03-A

Tot Ion:	178	Resp:	108409
Ion Ratio	Lower	Upper	
178	100		
176	18.3	16.2	24.2
179	15.6	13.4	20.2

Manual Integrations
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#75

Fluoranthene

Concen: 13.632 ng

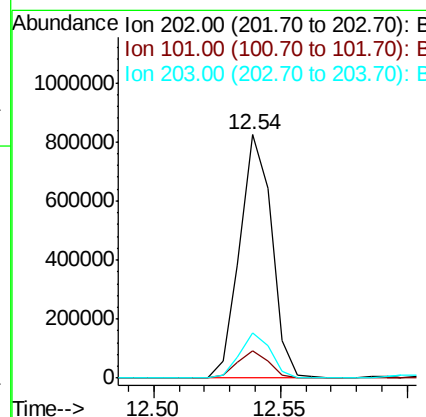
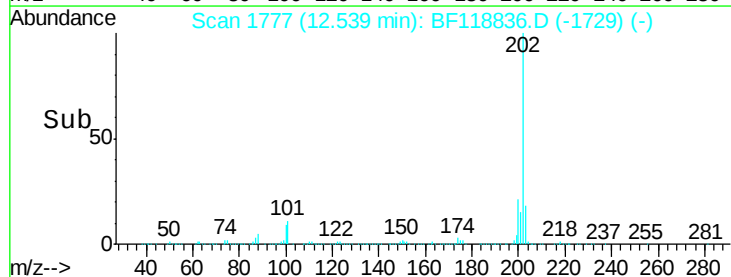
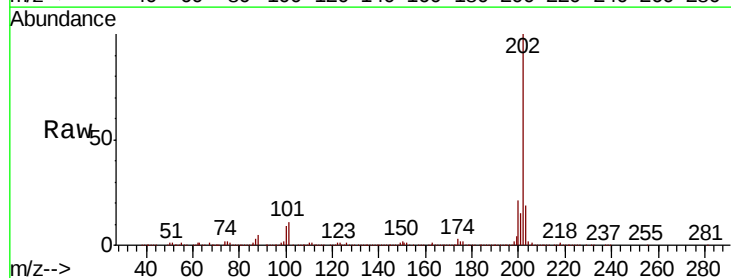
RT: 12.54 min Scan# 1777

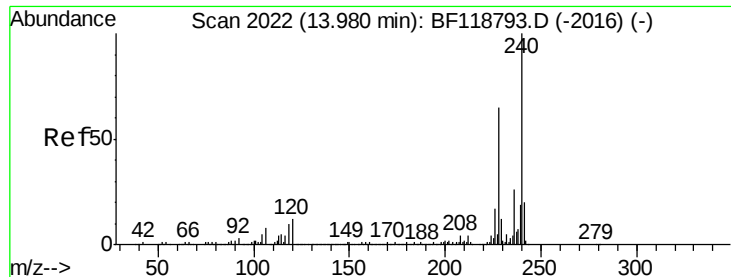
Delta R.T. -0.02 min

Lab File: BF118836.D

Acq: 6 Feb 2020 14:50

Tgt Ion:	202	Resp:	725351
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	31.0
203	18.5	0.0	38.7





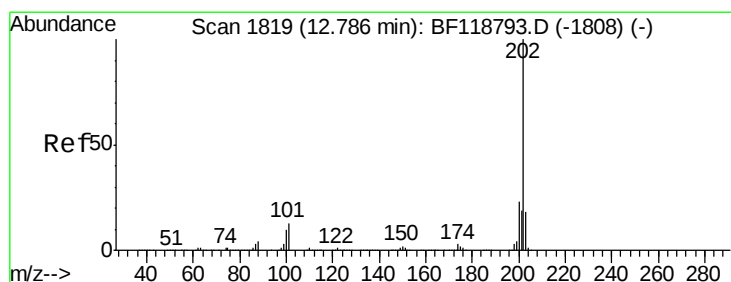
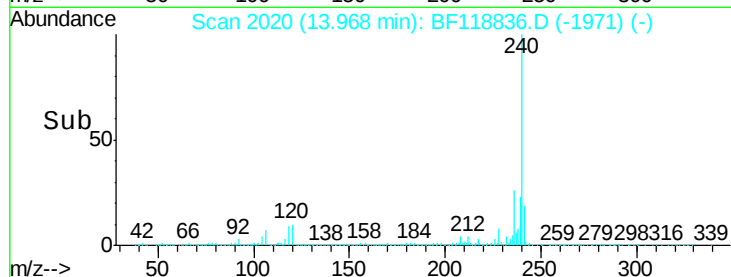
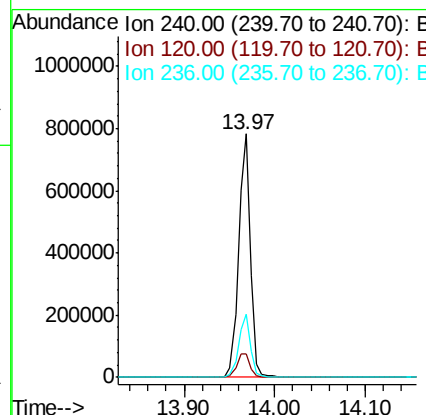
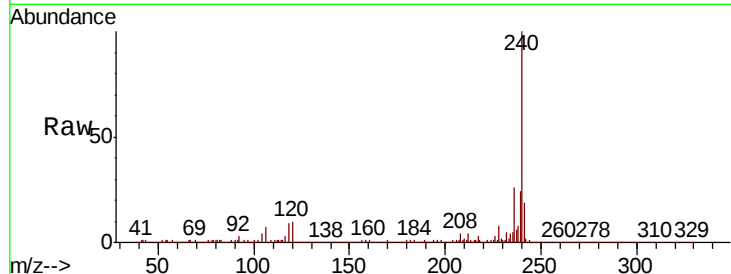
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-03-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.4	14.0
236	26.2	21.0	31.6

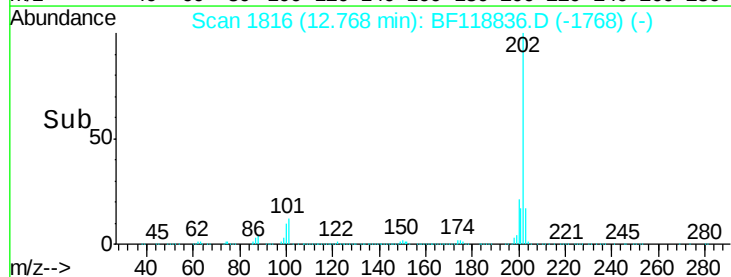
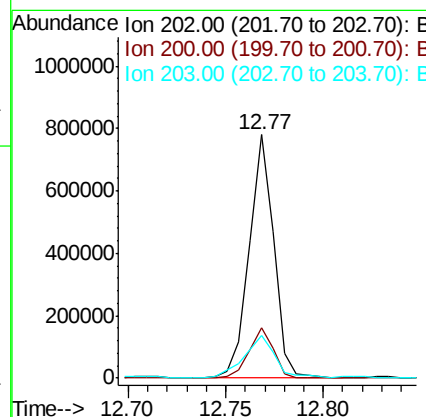
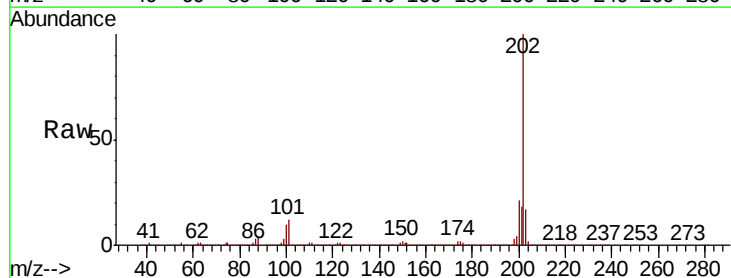
Manual Integrations
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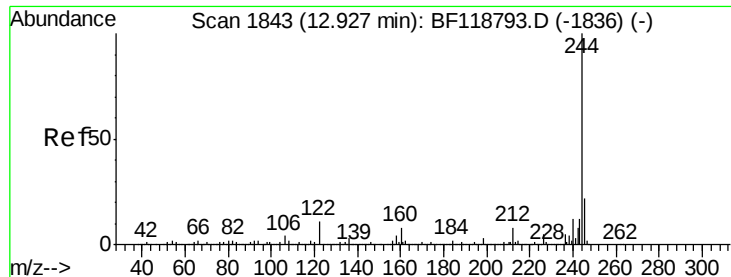
mohammad
2/10/2020 8:10:47 AM



#78
Pyrene
Concen: 13.928 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	18.2	27.2
203	17.5	14.8	22.2





#79

Terphenyl-d14

Concen: 77.547 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF118836.D

Acq: 6 Feb 2020 14:50

Instrument :

BNA_F

ClientSampleId :

SHORE-RD-PATH-BH-03-A

Tot Ion:244 Resp: 2691092

Ion Ratio Lower Upper

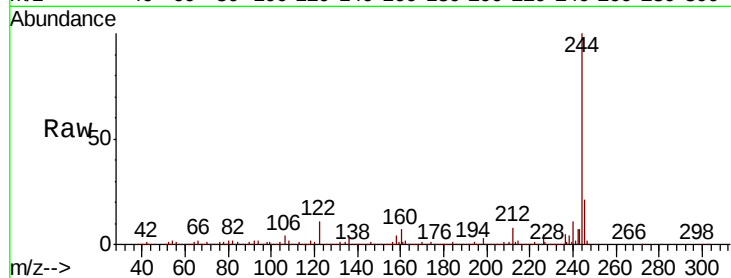
244 100

212 7.6 6.5 9.7

122 10.7 8.9 13.3

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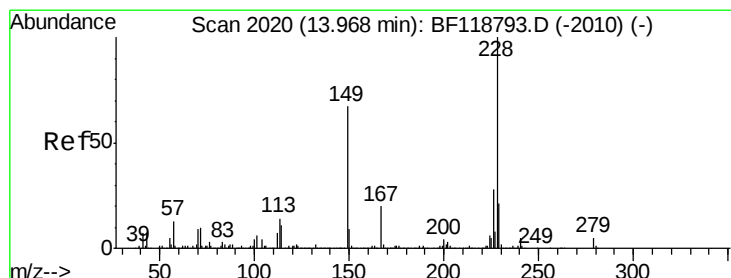
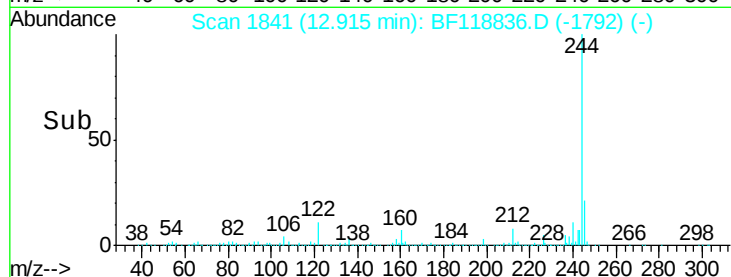
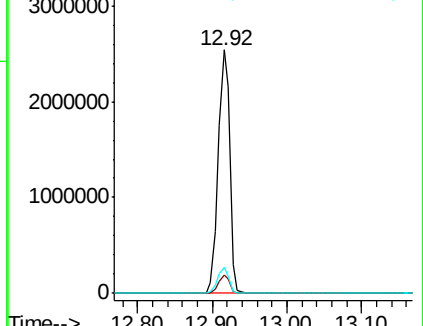
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 7.667 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF118836.D

Acq: 6 Feb 2020 14:50

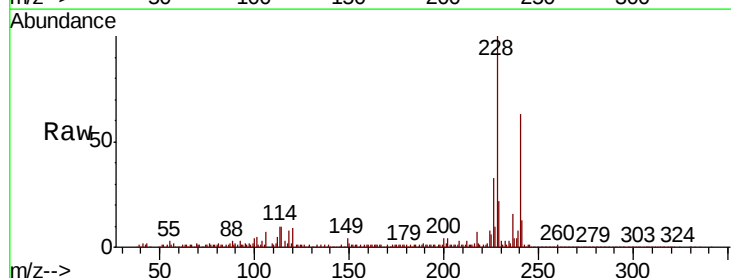
Tgt Ion:228 Resp: 325193

Ion Ratio Lower Upper

228 100

226 33.1 22.7 34.1

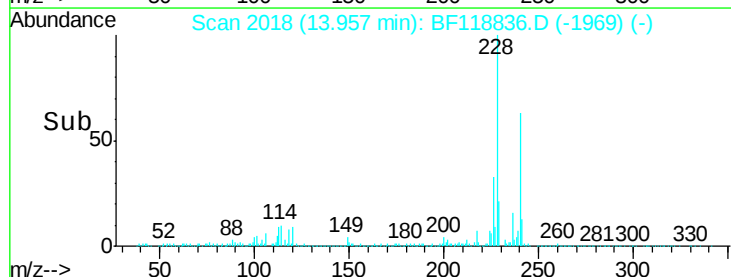
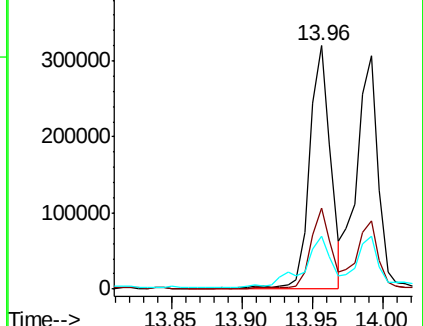
229 21.7 16.6 25.0

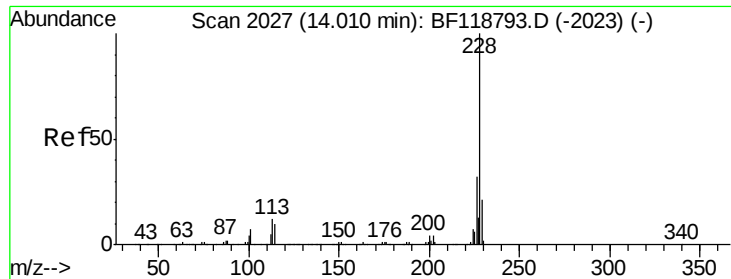


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





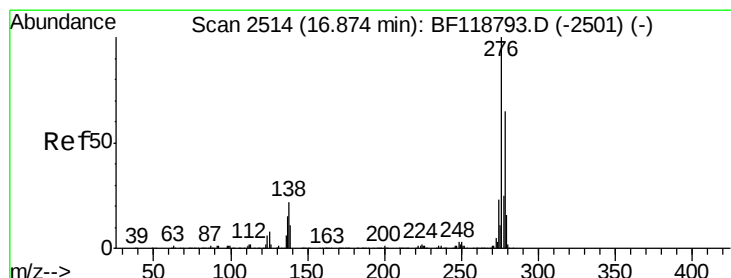
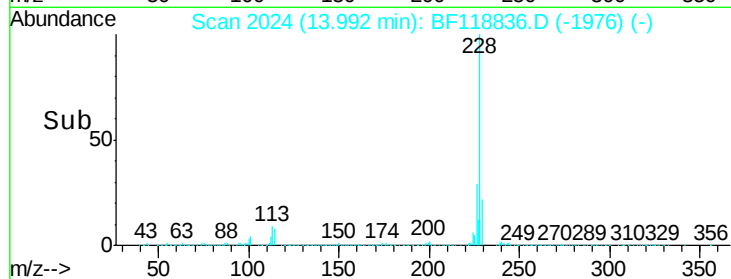
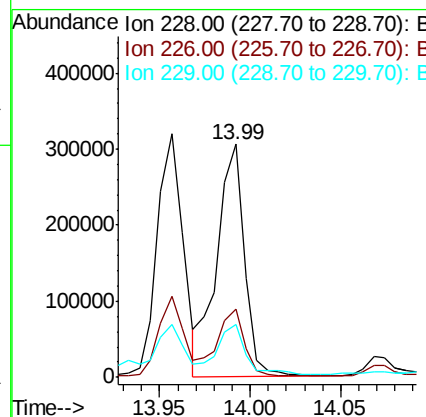
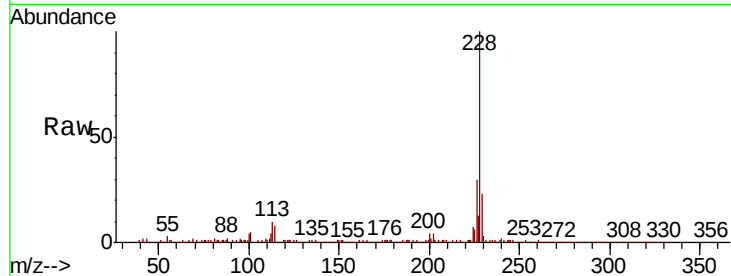
#83
Chrysene
Concen: 7.619 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-03-A

Tot Ion:228	Resp:	324347
Ion Ratio	Lower	Upper
228 100		
226 29.6	25.4	38.0
229 22.7	16.9	25.3

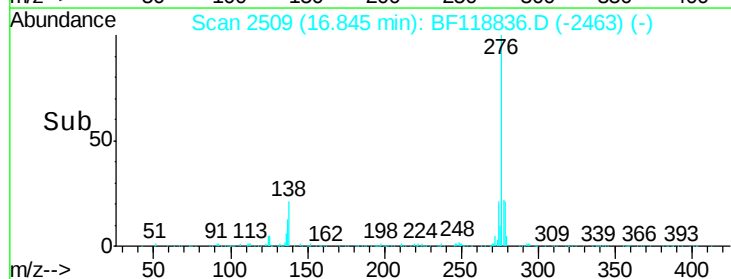
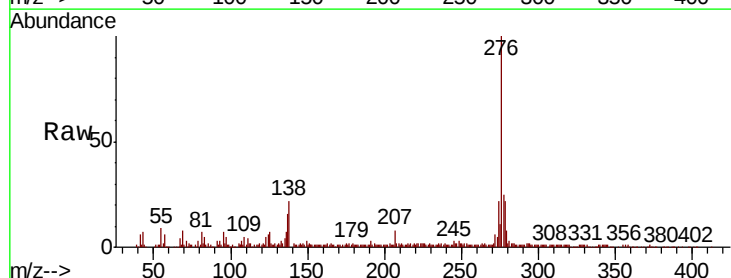
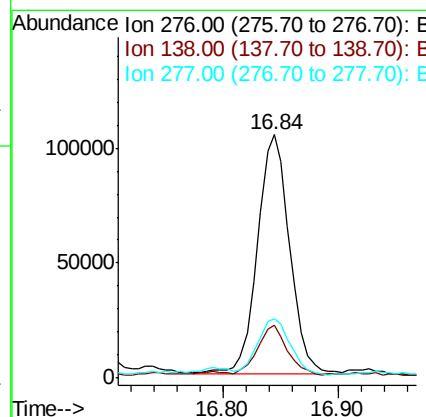
Manual Integrations
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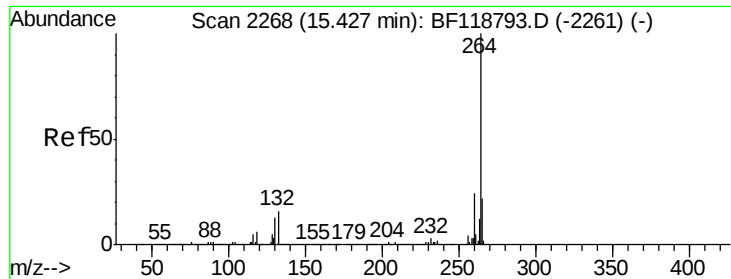
mohammad
2/10/2020 8:10:47 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.781 ng
RT: 16.84 min Scan# 2509
Delta R.T. -0.03 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Tgt Ion:276	Resp:	204504
Ion Ratio	Lower	Upper
276 100		
138 18.9	18.3	27.5
277 23.7	20.2	30.4





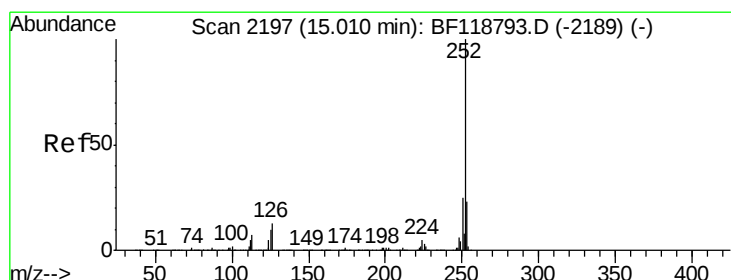
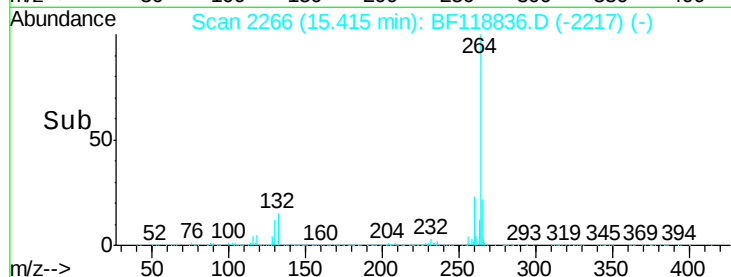
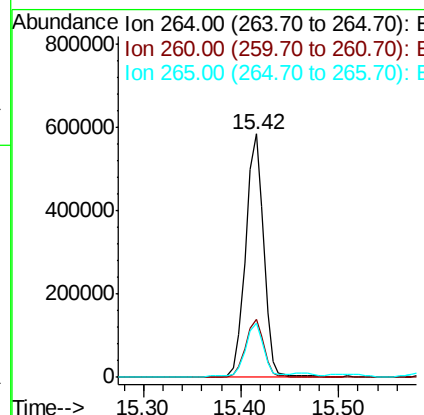
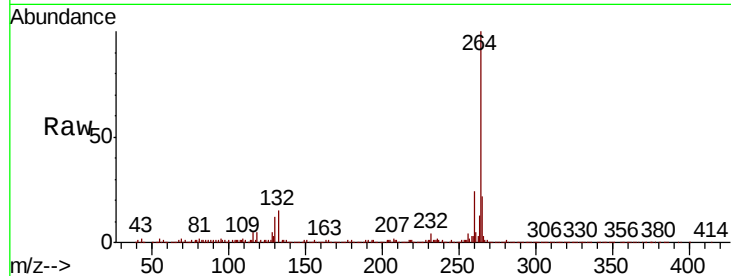
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-03-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	22.0	17.2	25.8

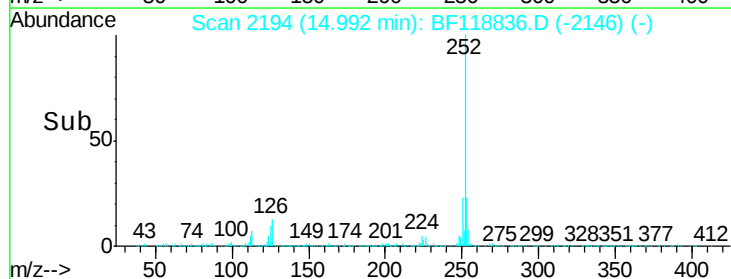
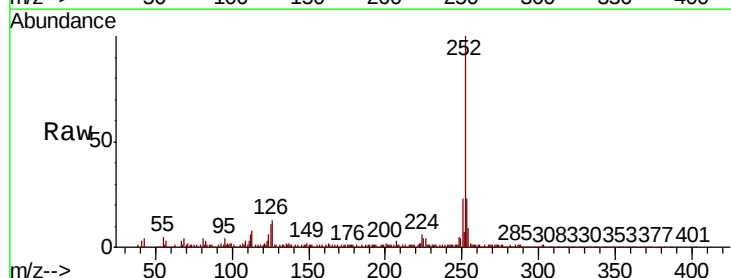
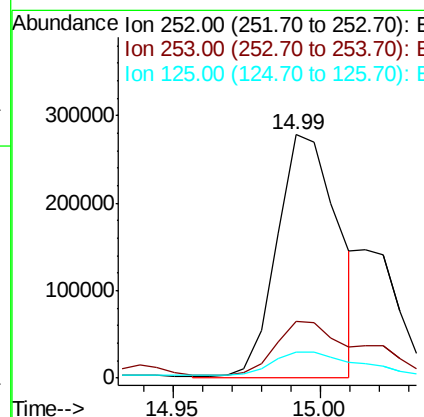
Manual Integrations
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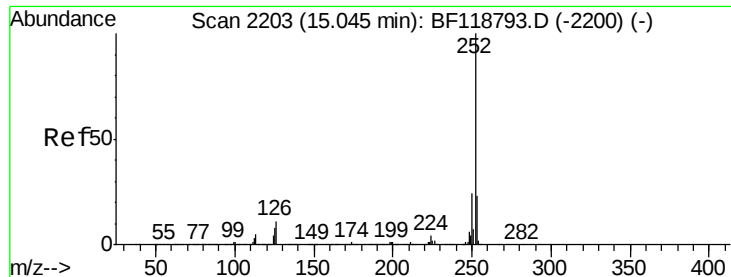
mohammad
2/10/2020 8:10:47 AM



#88
Benzo(b)fluoranthene
Concen: 8.587 ng m
RT: 14.99 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	10.8	8.1	12.1





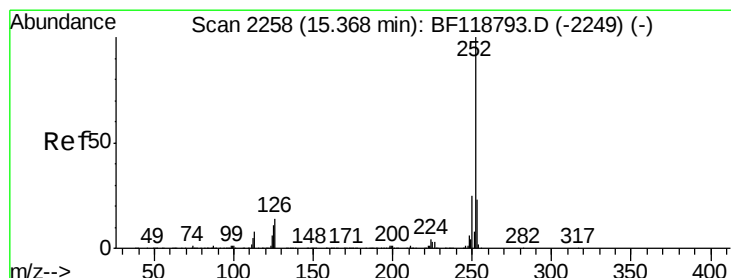
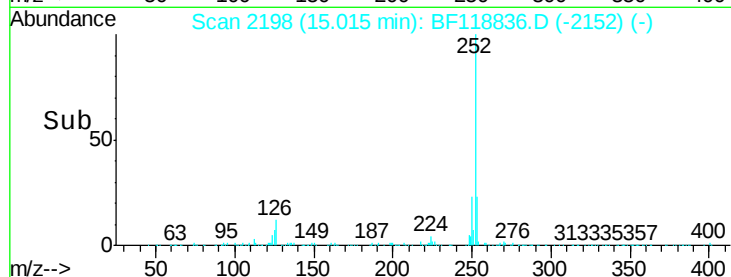
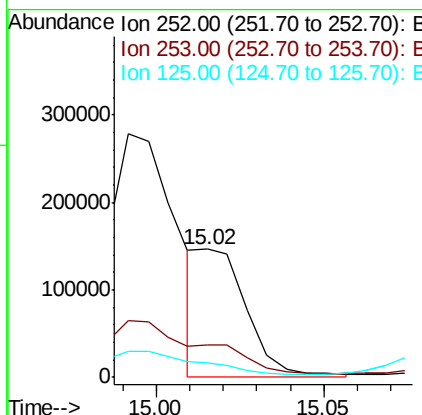
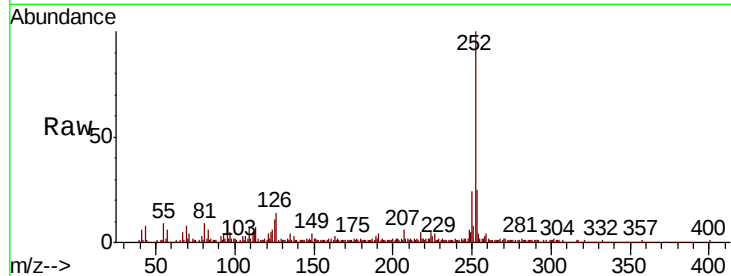
#89
Benzo(k)fluoranthene
Concen: 3.593 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.03 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-03-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.2	27.4
125	11.3	7.0	10.6

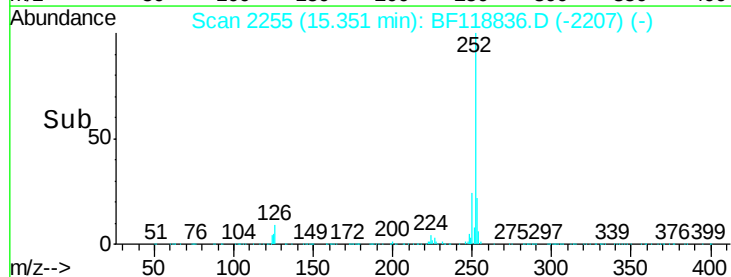
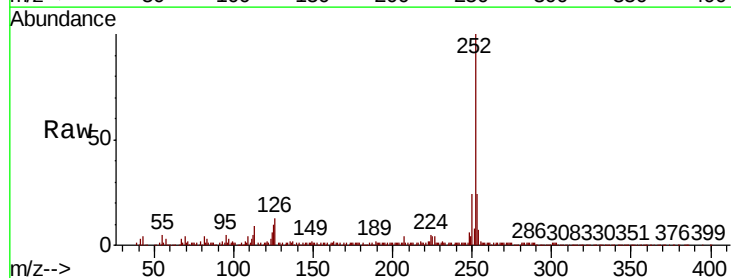
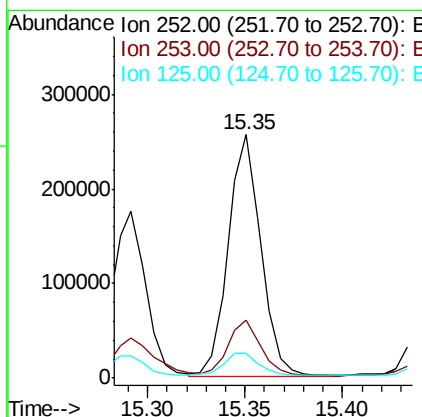
Manual Integrations
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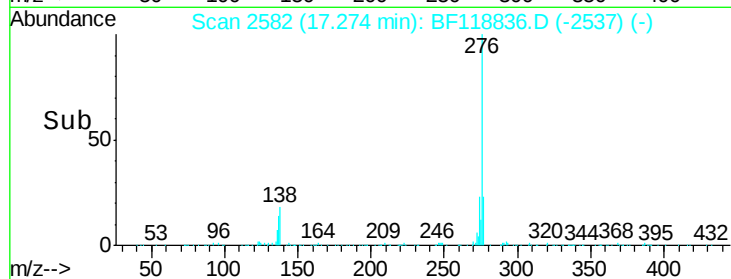
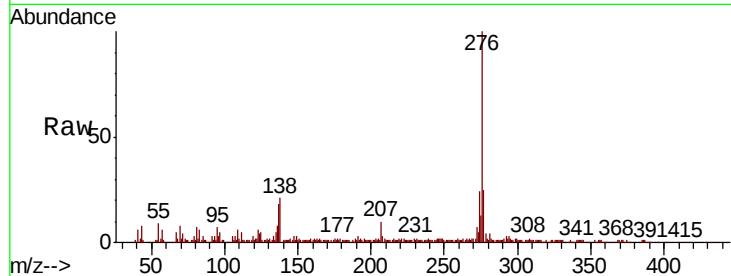
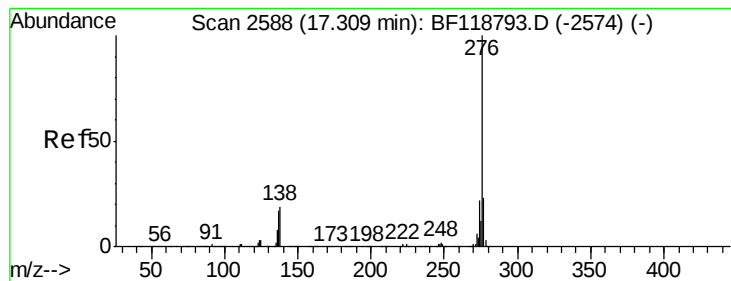
mohammad
2/10/2020 8:10:47 AM



#90
Benzo(a)pyrene
Concen: 7.440 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.02 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	10.1	8.7	13.1





#92

Benzo(a,h,i)perylene

Concen: 5.528 ng

RT: 17.27 min Scan# 2582

Delta R.T. -0.04 min

Lab File: BF118836.D

Acq: 6 Feb 2020 14:50

Instrument :

BNA_F

ClientSampleId :

SHORE-RD-PATH-BH-03-A

Tot Ion:	276	Resp:	187724
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.7	28.1
138	20.9	15.4	23.2

Manual Integrations
APPROVED

mohammad
2/10/2020 8:10:47 AM

