

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
 Data File : BF118838.D
 Acq On : 6 Feb 2020 15:46
 Operator : CG/JU
 Sample : L1408-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SHORE-RD-PATH-BH-02-A

Manual Integrations
 APPROVED

mohammad
 2/10/2020 8:10:53 AM

Quant Time: Feb 06 21:11:21 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	229075	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	807446	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	501262	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	955313	20.00	ng	0.00
76) Chrysene-d12	13.97	240	688008	20.00	ng	-0.01
87) Perylene-d12	15.42	264	727814	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1225062	101.23	ng	0.00
7) Phenol-d6	6.45	99	1483816	98.77	ng	0.00
23) Nitrobenzene-d5	7.37	82	986342	72.81	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	606763	101.17	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	2026738	72.28	ng	-0.01
79) Terphenyl-d14	12.92	244	2420018	72.25	ng	-0.01
Target Compounds						
10) Phenol	6.46	94	52942	3.169	ng	95
50) Dimethylphthalate	9.56	163	168939	4.950	ng	98
71) Phenanthrene	11.35	178	332045	7.064	ng	96
75) Fluoranthene	12.54	202	555296	10.821	ng	98
78) Pyrene	12.77	202	500937	10.613	ng	97
81) Benzo(a)anthracene	13.96	228	250671	6.123	ng	97
83) Chrysene	13.99	228	229086m	5.575	ng	
86) Indeno(1,2,3-cd)pyrene	16.84	276	147972	3.584	ng	93
88) Benzo(b)fluoranthene	14.99	252	281530m	6.234	ng	
89) Benzo(k)fluoranthene	15.02	252	98037m	2.493	ng	
90) Benzo(a)pyrene	15.35	252	218551	5.655	ng	98
92) Benzo(a,h,i)perylene	17.27	276	141543	4.290	ng	98

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

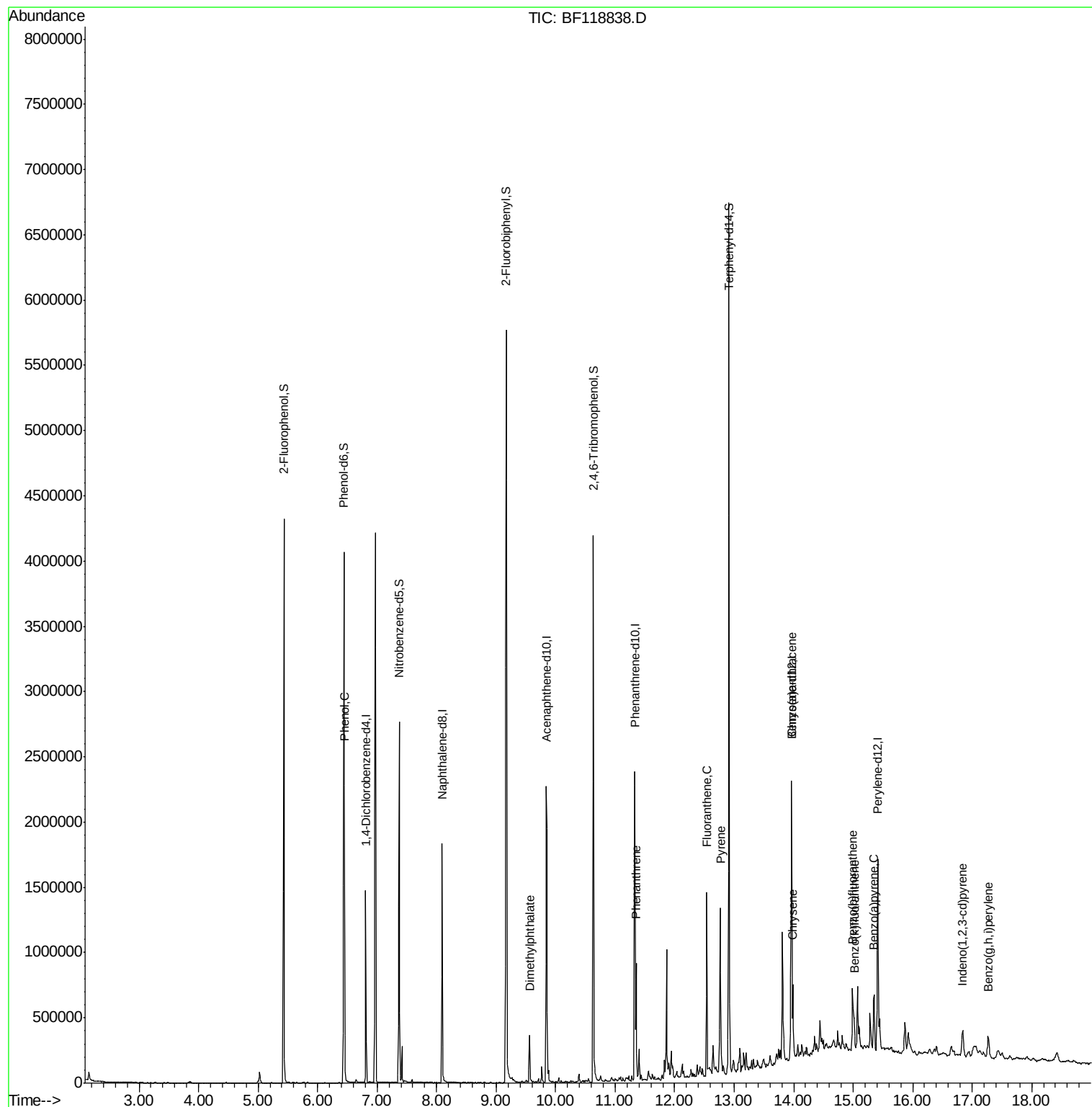
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118838.D
Acq On : 6 Feb 2020 15:46
Operator : CG/JU
Sample : L1408-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

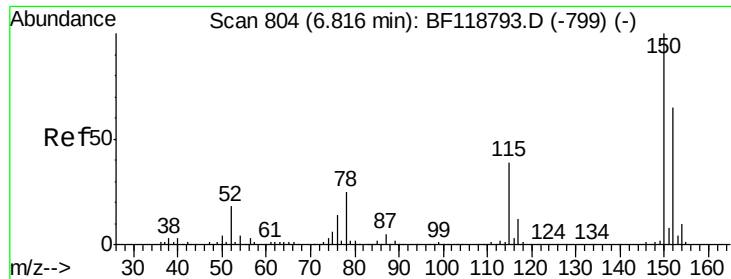
Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-02-A

Manual Integrations
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2/10/2020 8:10:53 AM

Quant Time: Feb 06 21:11:21 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

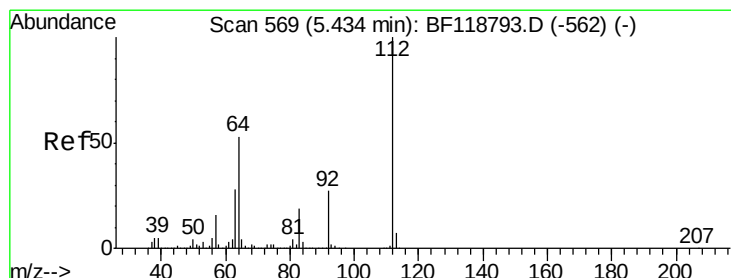
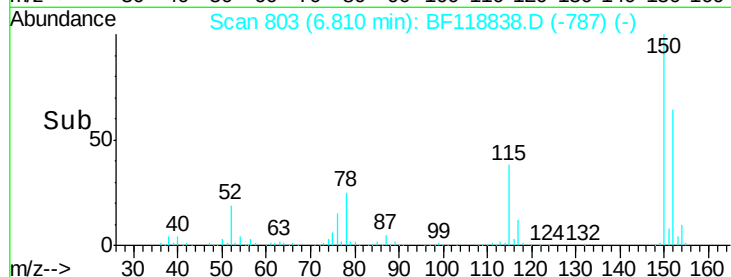
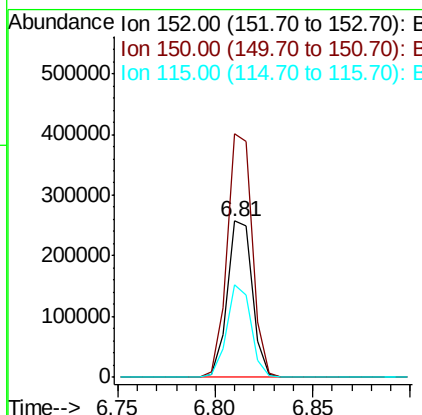
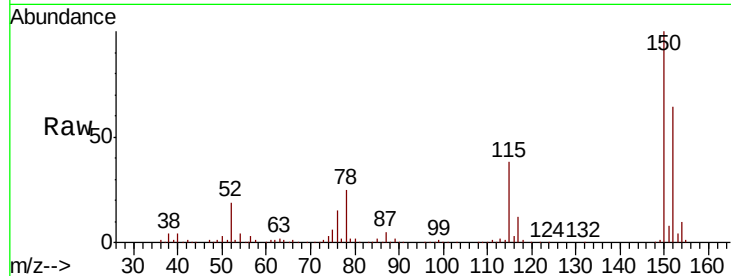
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF118838.D
Acq: 6 Feb 2020 15:46

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-02-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	123.6	185.4
115	59.7	48.2	72.2

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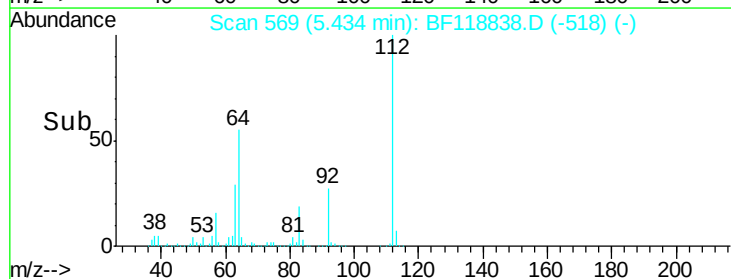
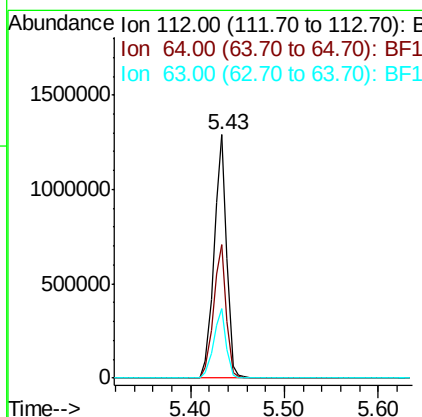
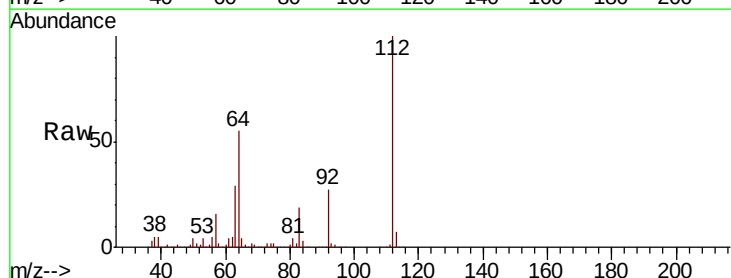
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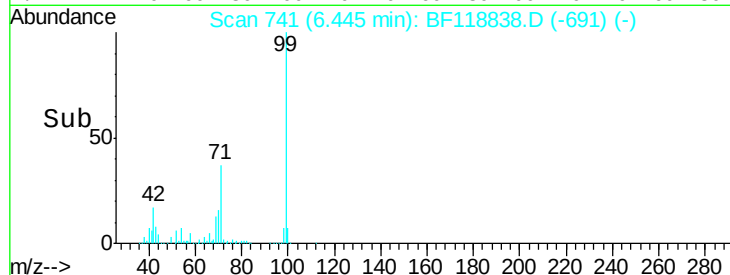
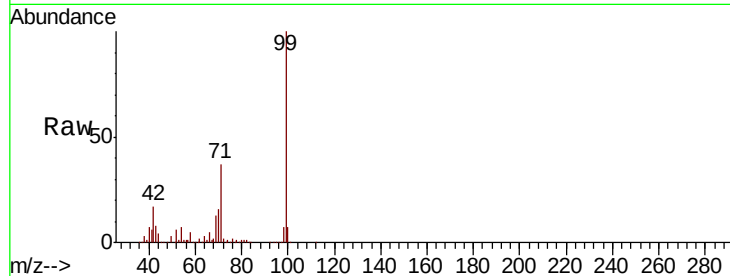
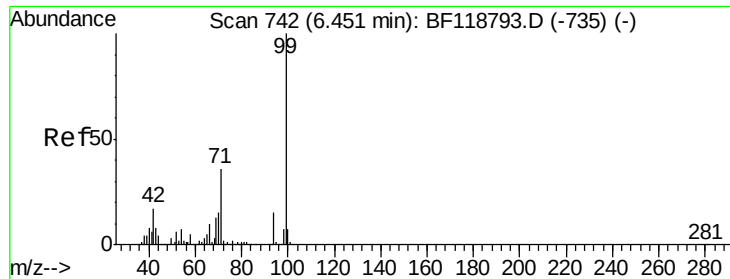


#5

2-Fluorophenol
Concen: 101.231 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF118838.D
Acq: 6 Feb 2020 15:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	42.6	63.8
63	28.6	22.2	33.4





#7

Phenol-d6

Concen: 98.774 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118838.D

Acq: 6 Feb 2020 15:46

Tot Ion:	99	Resp:	1483816
Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.4	20.0
71	36.6	29.0	43.6

Instrument :

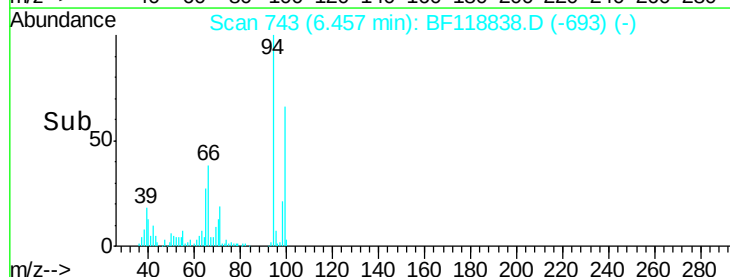
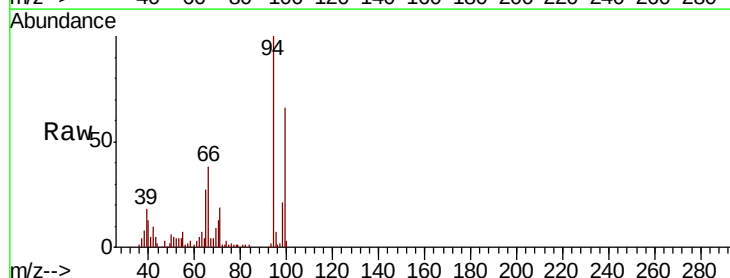
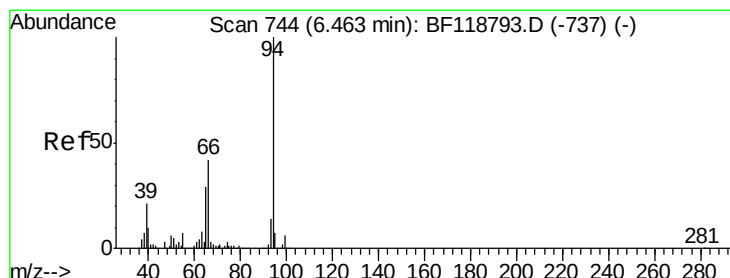
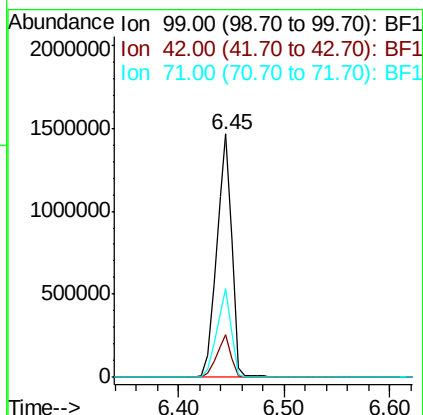
BNA_F

ClientSampleId :

SHORE-RD-PATH-BH-02-A

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#10

Phenol

Concen: 3.169 ng

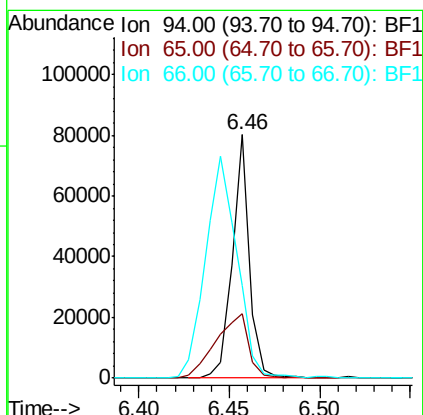
RT: 6.46 min Scan# 743

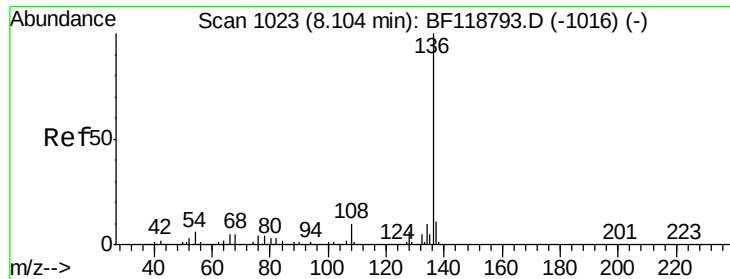
Delta R.T. -0.01 min

Lab File: BF118838.D

Acq: 6 Feb 2020 15:46

Tgt Ion:	94	Resp:	52942
Ion	Ratio	Lower	Upper
94	100		
65	26.6	9.1	49.1
66	37.9	21.7	61.7





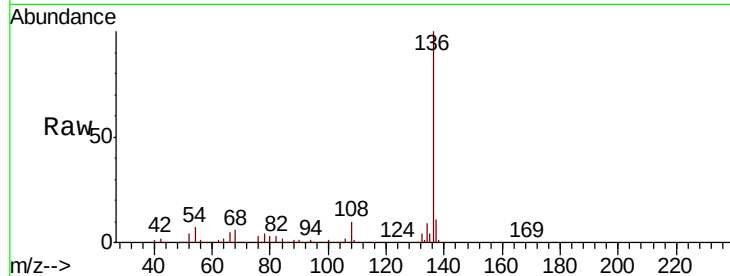
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF118838.D
Acq: 6 Feb 2020 15:46

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-02-A

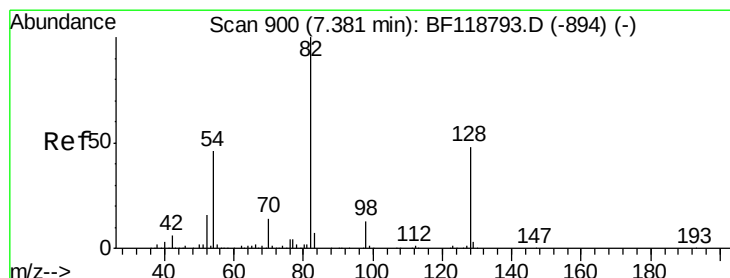
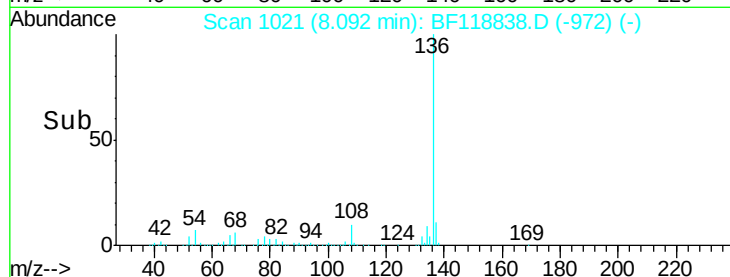
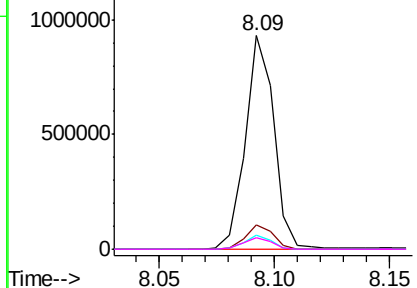
Tot Ion	Ratio	Resp	Lower	Upper
136	100	807446		
137	11.1		8.7	13.1
54	6.7		5.0	7.6
68	5.7		4.2	6.4

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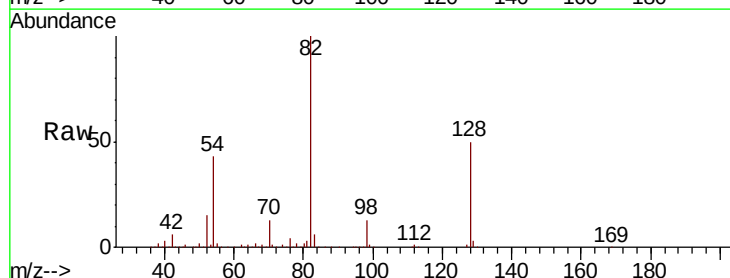


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

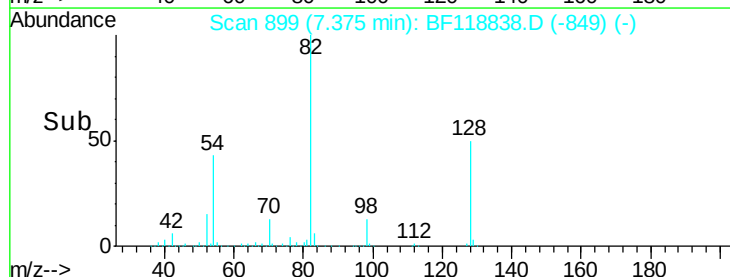
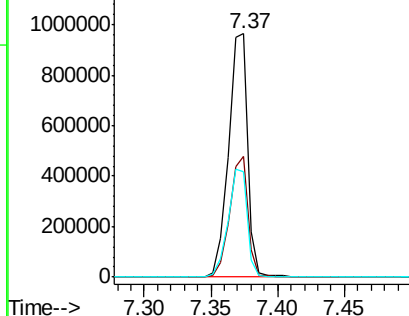


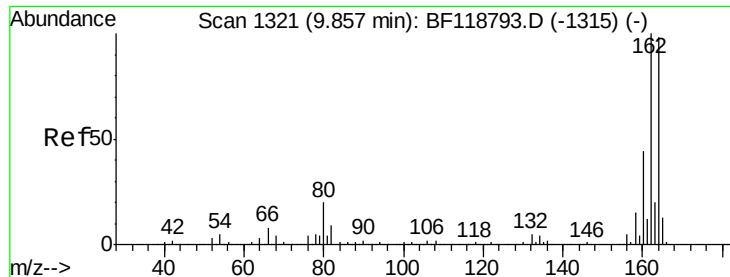
#23
Nitrobenzene-d5
Concen: 72.811 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF118838.D
Acq: 6 Feb 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	986342		
128	49.8		38.5	57.7
54	43.1		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





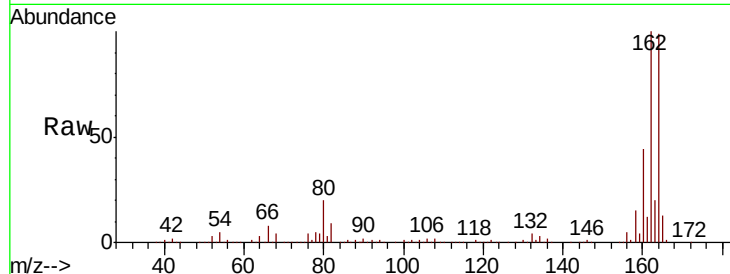
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF118838.D
Acq: 6 Feb 2020 15:46

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-02-A

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.7	81.4	122.2	
160	44.8	35.6	53.4	

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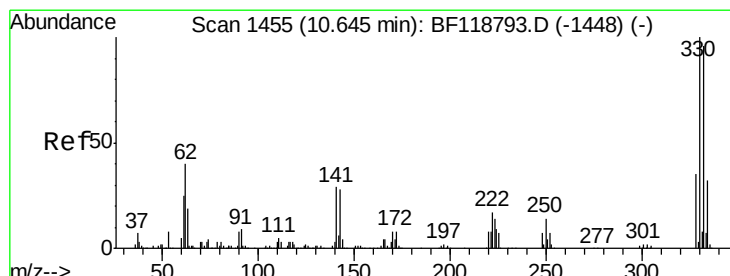
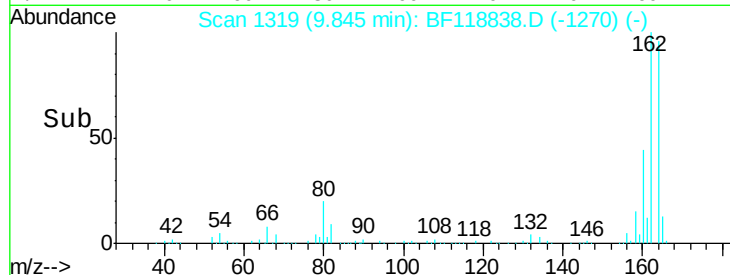
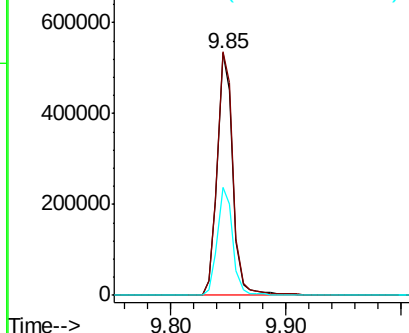


Abundance

Ion 164.00 (163.70 to 164.70): E

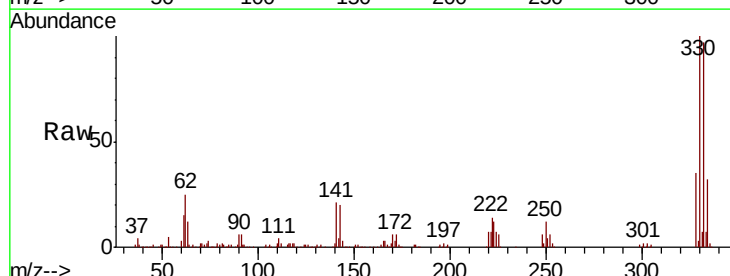
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 101.165 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF118838.D
Acq: 6 Feb 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.4	77.3	115.9	
141	28.2	22.4	33.6	

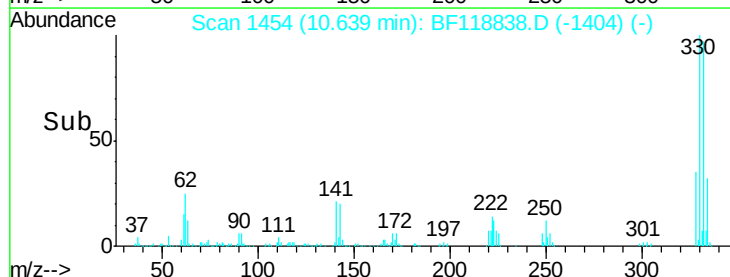
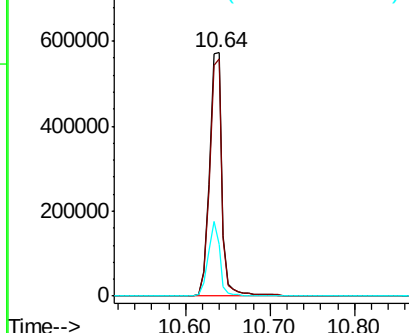


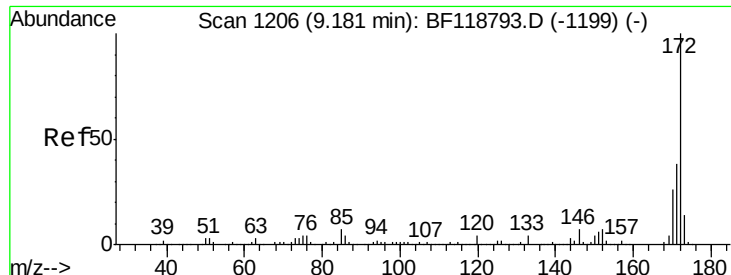
Abundance

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





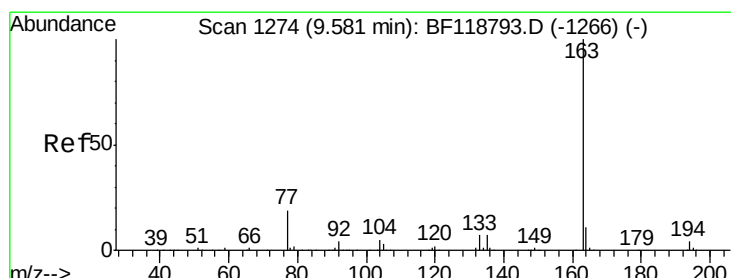
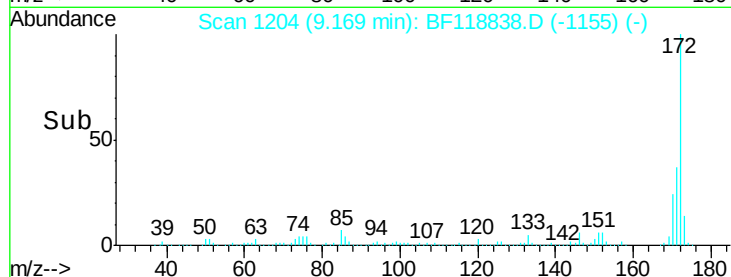
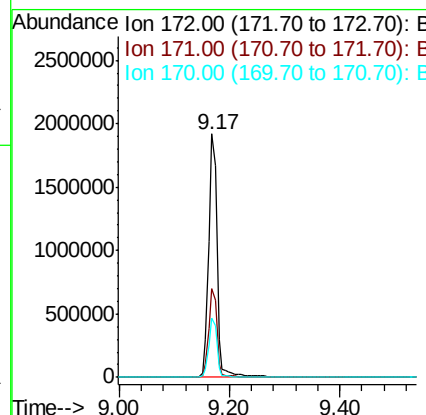
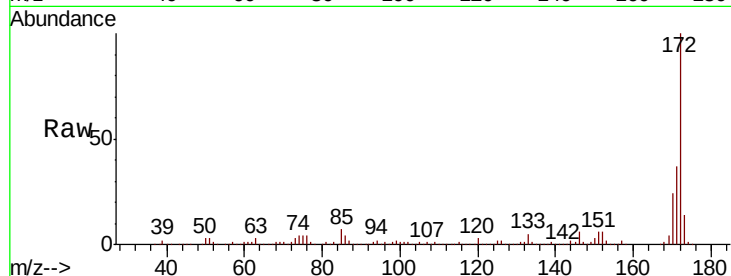
#45
2-Fluorobiphenyl
Concen: 72.281 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF118838.D
Acq: 6 Feb 2020 15:46

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-02-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.8	46.2
170	24.4	20.5	30.7

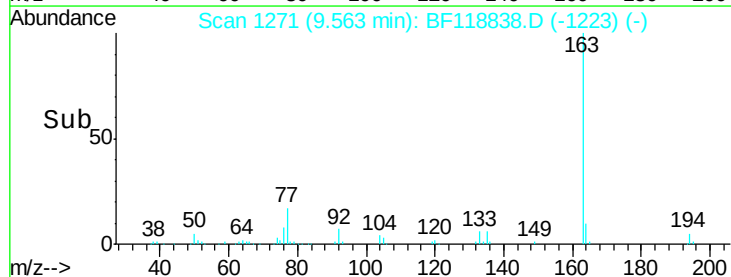
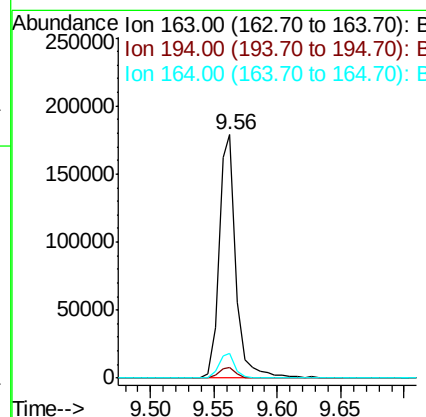
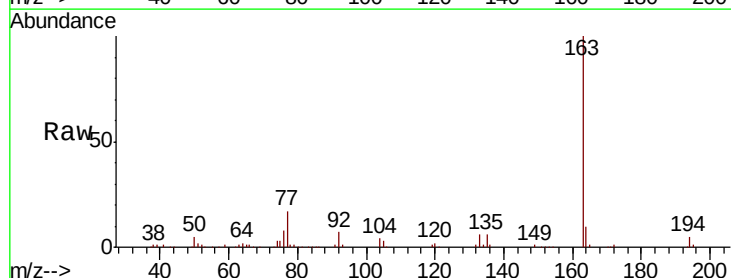
Manual Integrations
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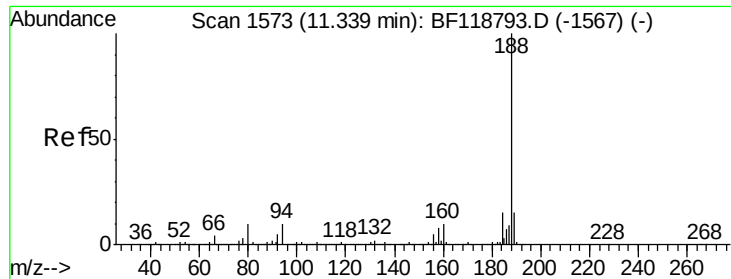
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#50
Dimethylphthalate
Concen: 4.950 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF118838.D
Acq: 6 Feb 2020 15:46

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.6	5.4
164	10.0	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: BF118838.D

Acq: 6 Feb 2020 15:46

Instrument :

BNA_F

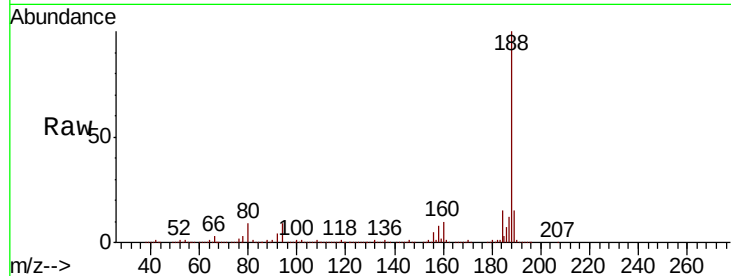
ClientSampleId :

SHORE-RD-PATH-BH-02-A

Tot Ion:188	Resp:	955313
Ion Ratio	Lower	Upper
188 100		
94 8.5	7.9	11.9
80 8.6	8.4	12.6

Manual Integrations
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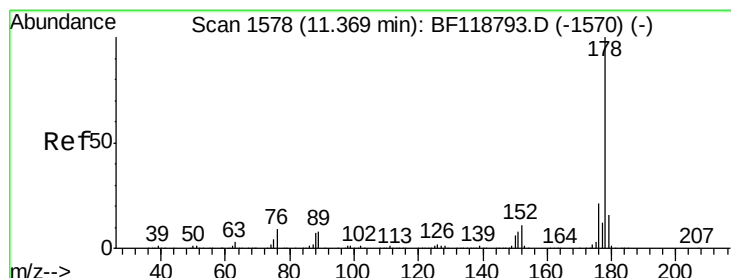
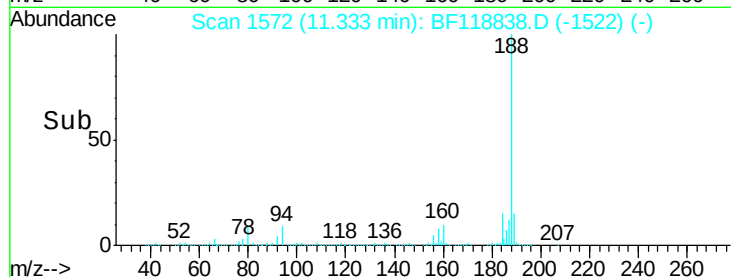
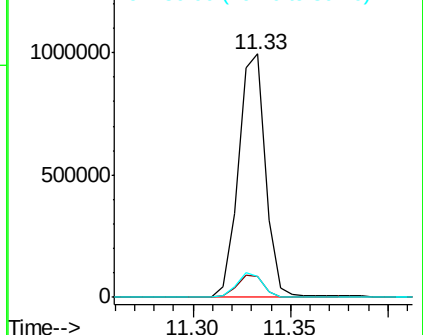
mohammad
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 7.064 ng

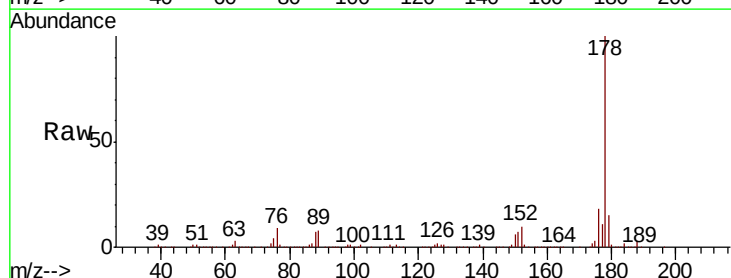
RT: 11.35 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF118838.D

Acq: 6 Feb 2020 15:46

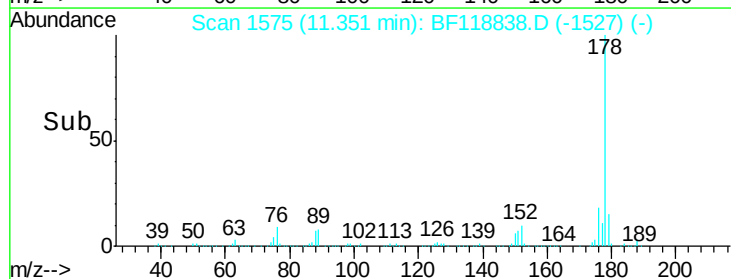
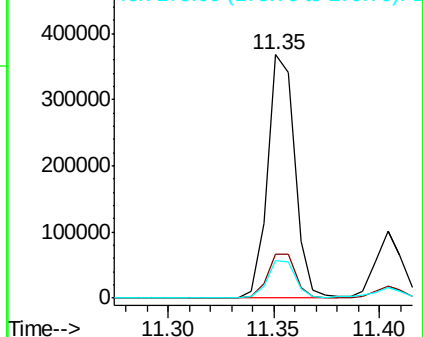
Tgt Ion:178	Resp:	332045
Ion Ratio	Lower	Upper
178 100		
176 18.2	16.6	24.8
179 15.3	13.2	19.8

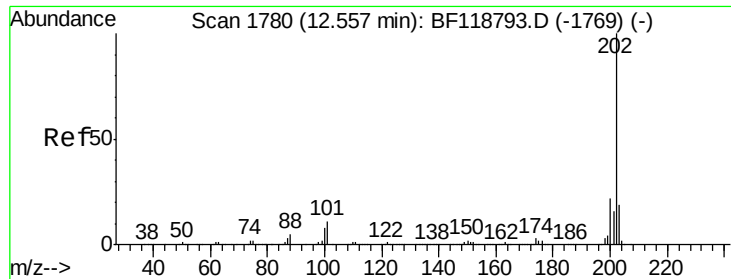


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 10.821 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.02 min

Lab File: BF118838.D

Acq: 6 Feb 2020 15:46

Instrument :

BNA_F

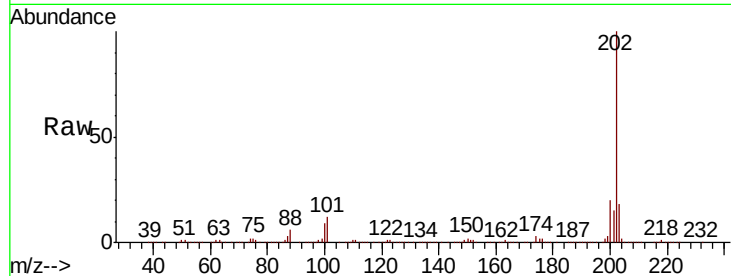
ClientSampleId :

SHORE-RD-PATH-BH-02-A

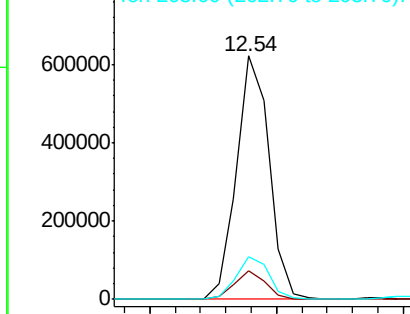
Tot Ion	Ratio	Resp	Lower	Upper
202	100	555296		
101	11.9	0.0	31.0	
203	17.7	0.0	38.7	

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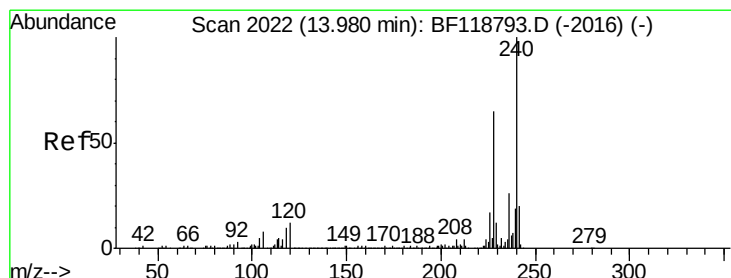
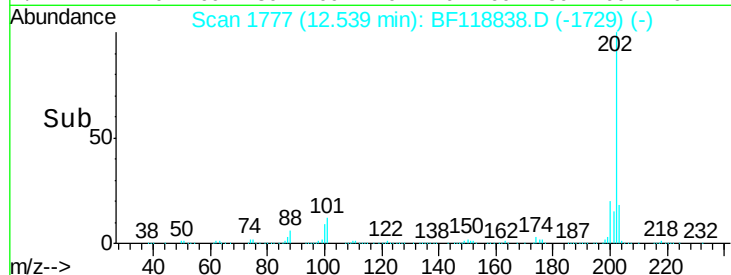
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

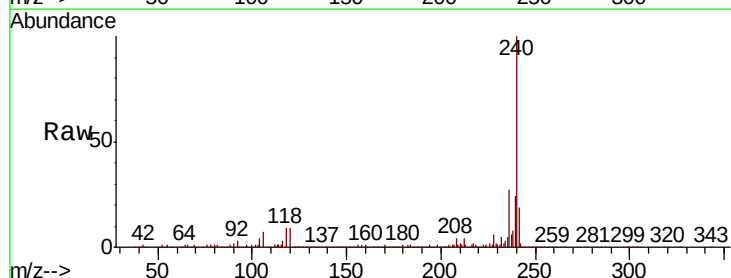
RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

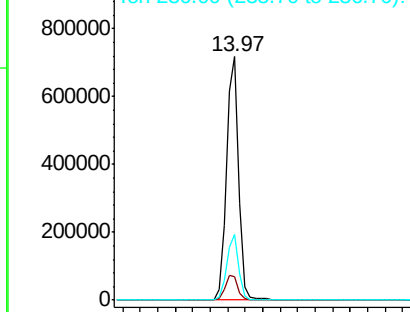
Lab File: BF118838.D

Acq: 6 Feb 2020 15:46

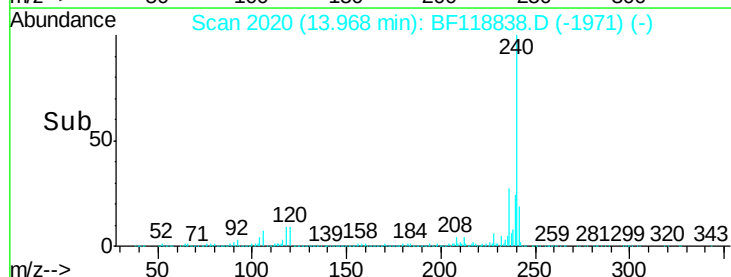
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	688008		
120	9.4	9.4	14.0	
236	26.8	21.0	31.6	

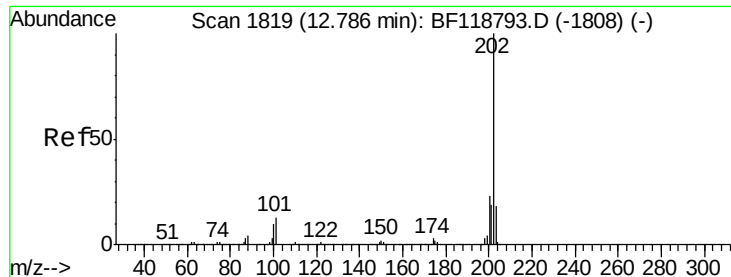


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





#78

Pvrene

Concen: 10.613 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF118838.D

Acq: 6 Feb 2020 15:46

Instrument :

BNA_F

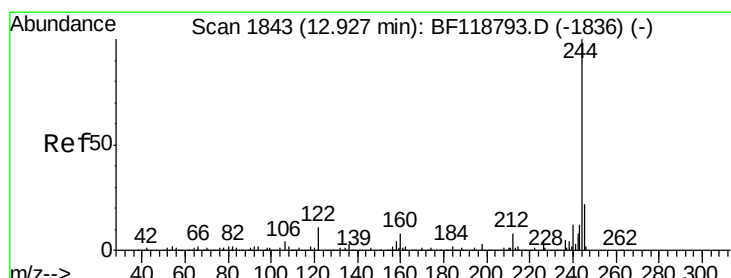
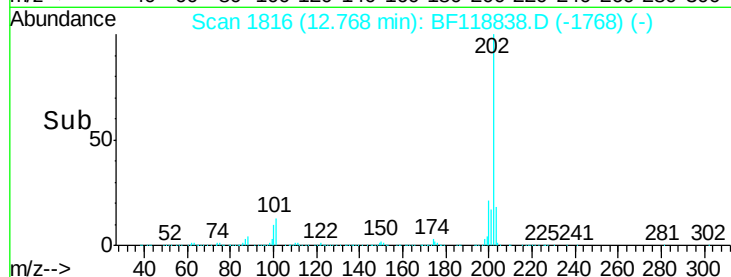
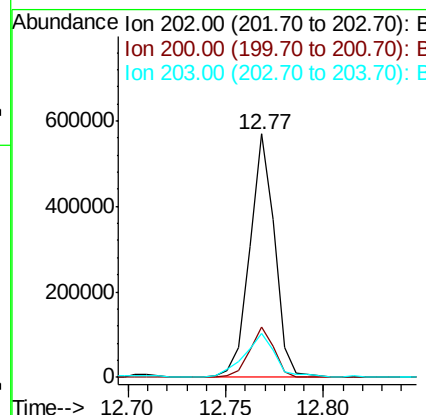
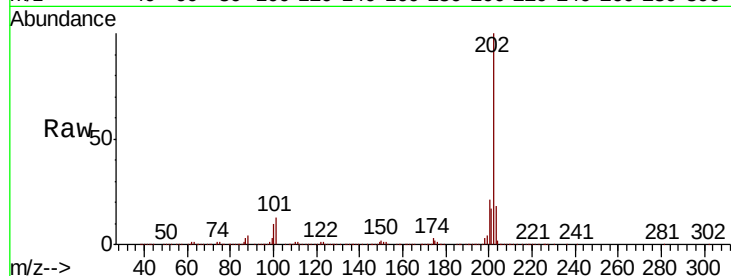
ClientSampleId :

SHORE-RD-PATH-BH-02-A

Tot Ion:	202	Resp:	500937
Ion Ratio	Lower	Upper	
202	100		
200	20.7	18.2	27.2
203	17.9	14.8	22.2

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#79

Terphenyl-d14

Concen: 72.249 ng

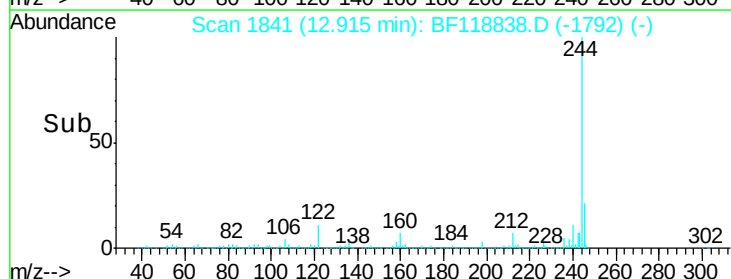
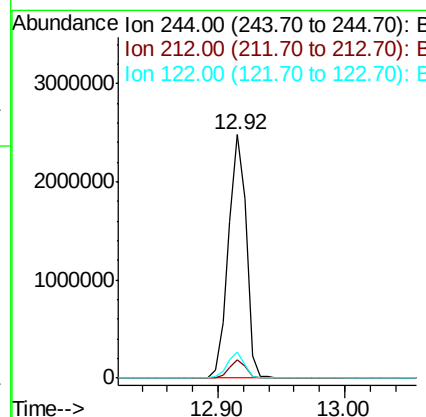
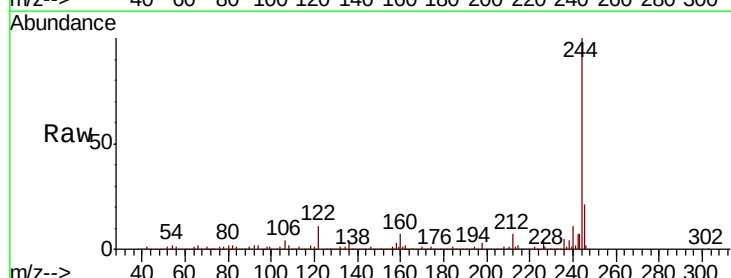
RT: 12.92 min Scan# 1841

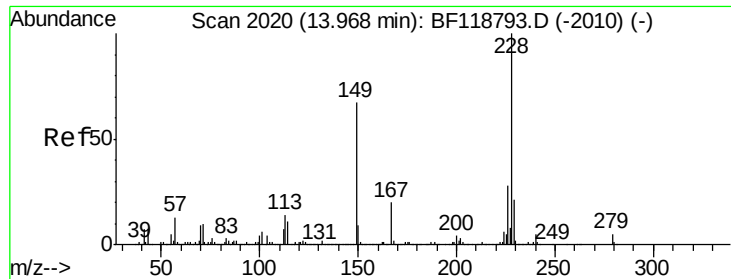
Delta R.T. -0.01 min

Lab File: BF118838.D

Acq: 6 Feb 2020 15:46

Tgt Ion:	244	Resp:	2420018
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.5	9.7
122	10.9	8.9	13.3





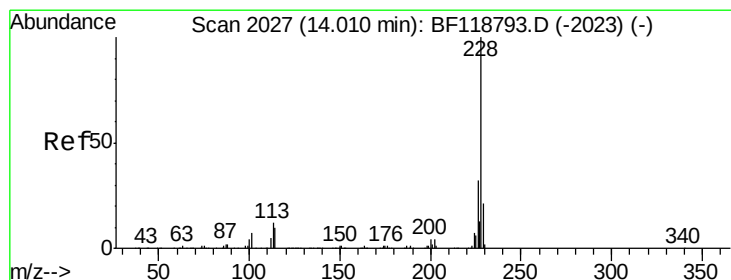
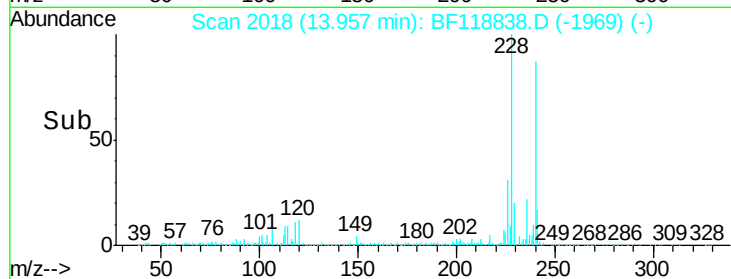
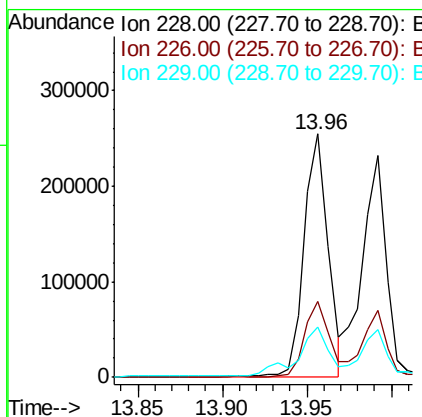
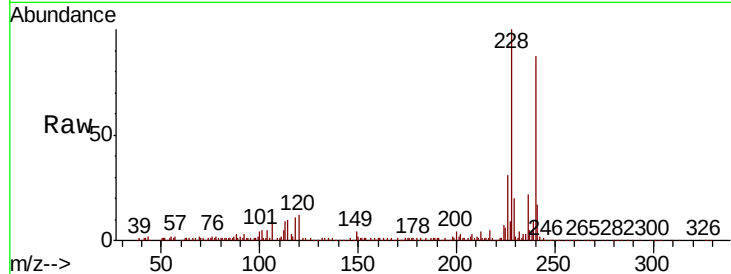
#81
Benzo(a)anthracene
Concen: 6.123 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF118838.D
Acq: 6 Feb 2020 15:46

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-02-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.7	34.1
229	20.4	16.6	25.0

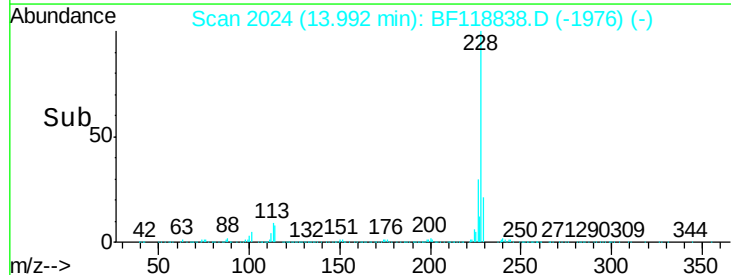
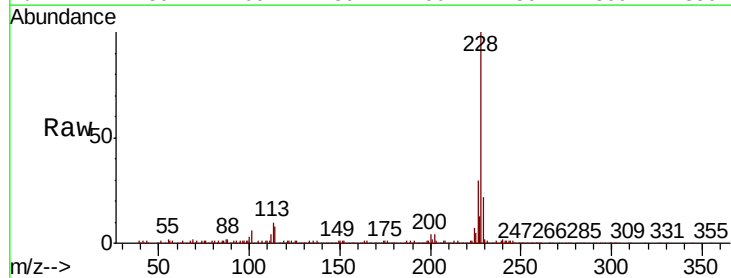
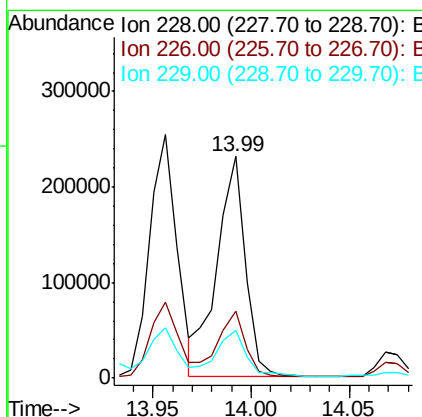
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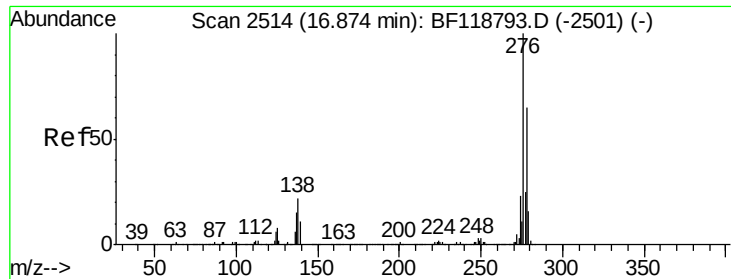
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#83
Chrysene
Concen: 5.575 ng m
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF118838.D
Acq: 6 Feb 2020 15:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.4	38.0
229	21.8	16.9	25.3





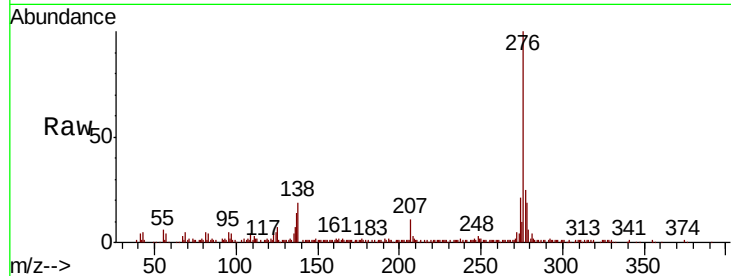
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.584 ng
RT: 16.84 min Scan# 2508
Delta R.T. -0.04 min
Lab File: BF118838.D
Acq: 6 Feb 2020 15:46

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-02-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.7	18.3	27.5
277	22.3	20.2	30.4

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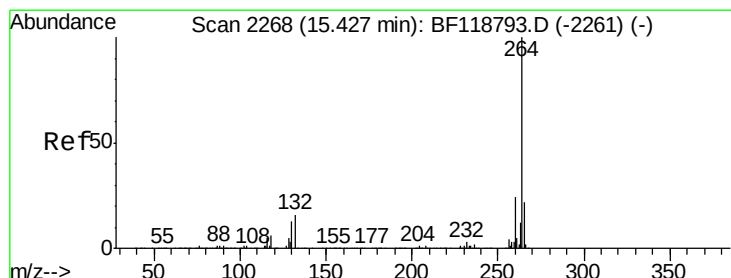
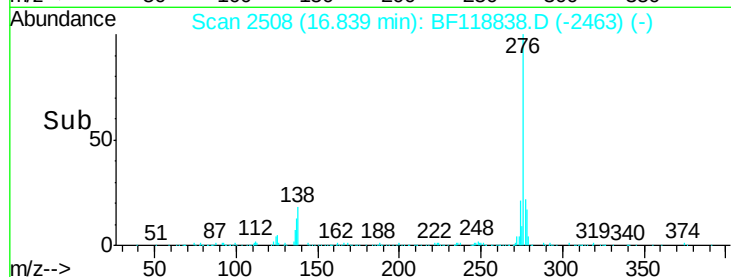
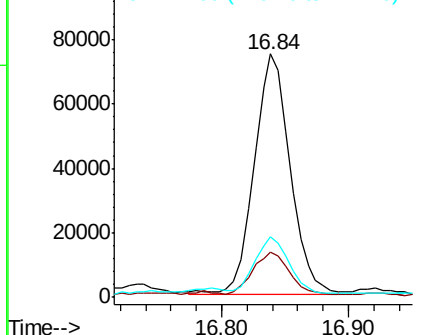


Abundance

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: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF118838.D
Acq: 6 Feb 2020 15:46

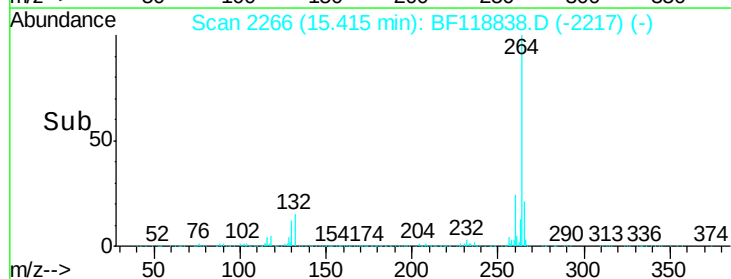
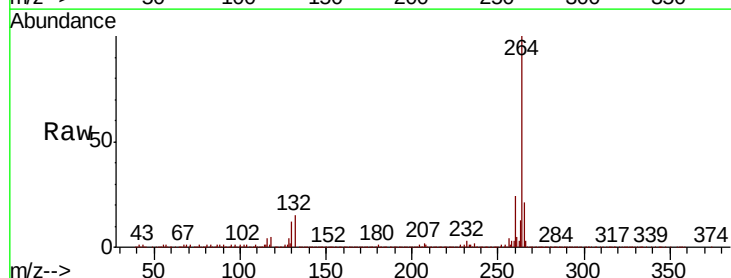
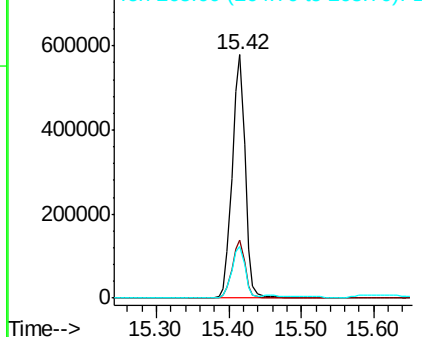
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	21.3	17.2	25.8

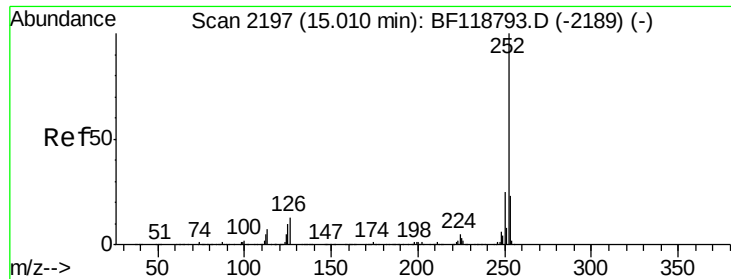
Abundance

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





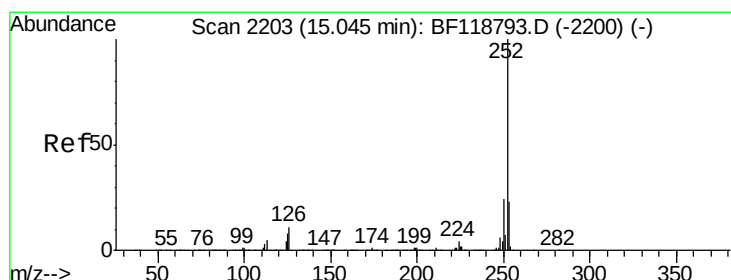
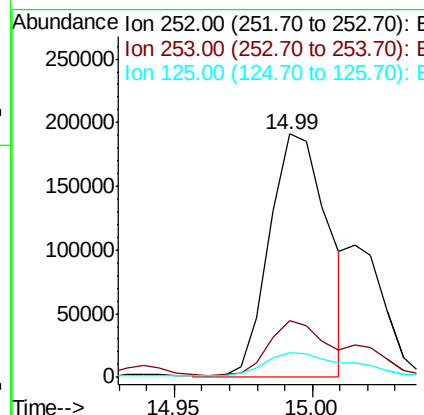
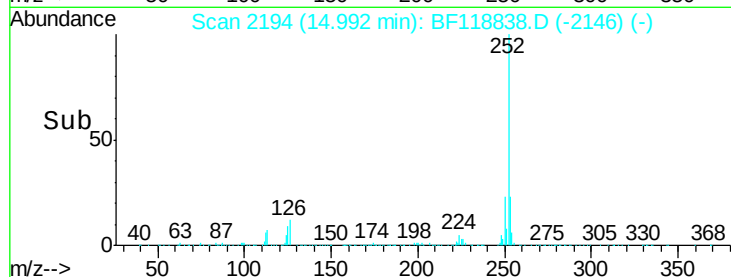
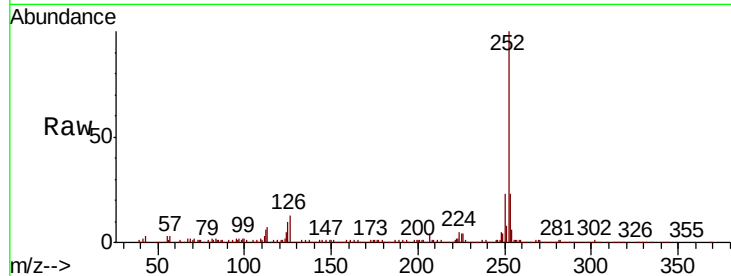
#88
Benzo(b)fluoranthene
Concen: 6.234 ng m
RT: 14.99 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF118838.D
Acq: 6 Feb 2020 15:46

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-02-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.4	27.6
125	10.3	8.1	12.1

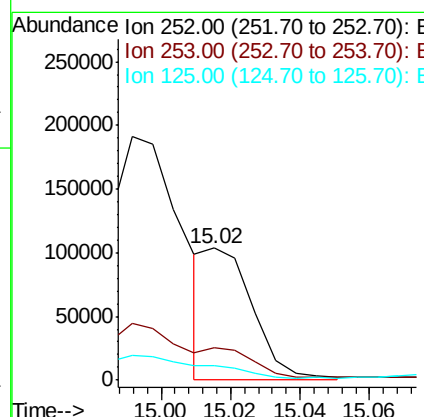
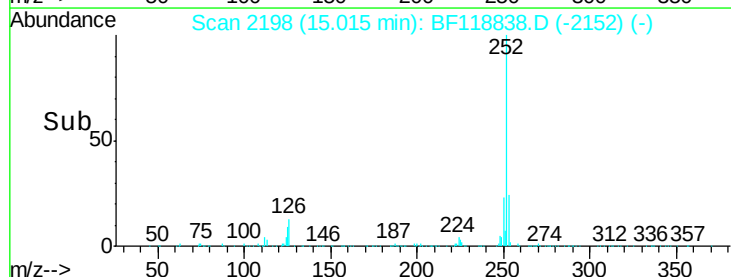
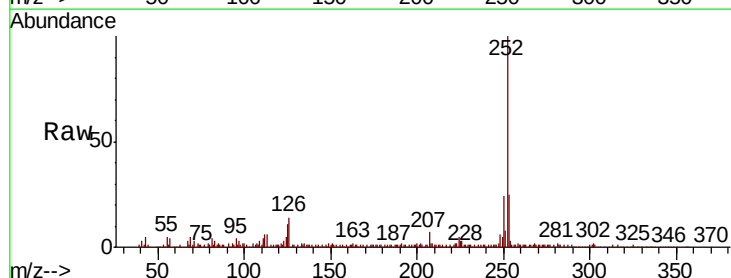
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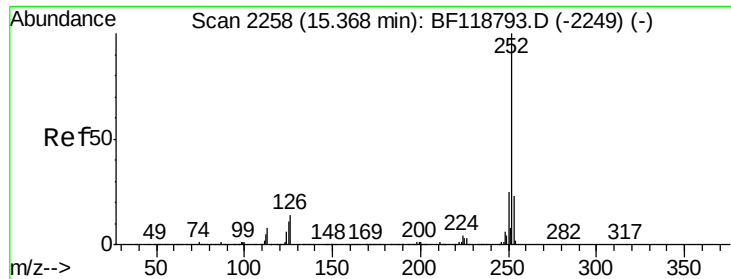
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#89
Benzo(k)fluoranthene
Concen: 2.493 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.03 min
Lab File: BF118838.D
Acq: 6 Feb 2020 15:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.2	27.4
125	11.0	7.0	10.6





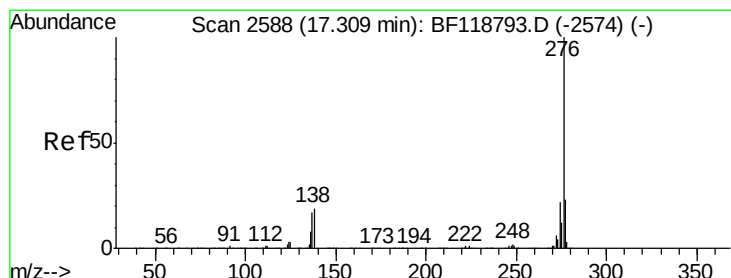
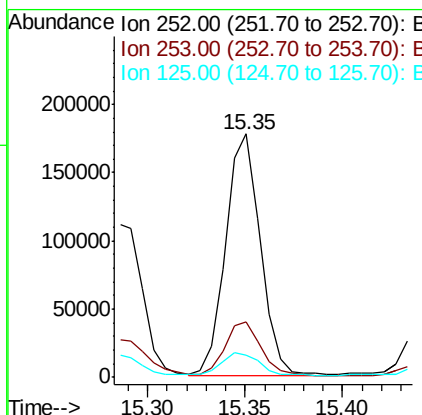
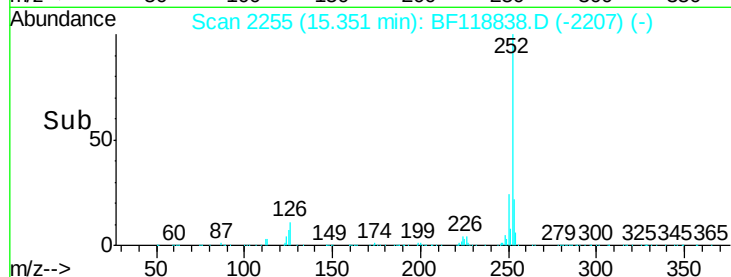
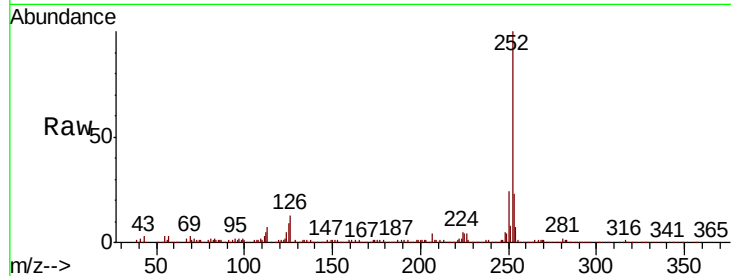
#90
Benzo(a)pyrene
Concen: 5.655 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.02 min
Lab File: BF118838.D
Acq: 6 Feb 2020 15:46

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-02-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	9.3	8.7	13.1

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 4.290 ng
RT: 17.27 min Scan# 2582
Delta R.T. -0.04 min
Lab File: BF118838.D
Acq: 6 Feb 2020 15:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.7	28.1
138	20.8	15.4	23.2

