

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020420\
 Data File : BF118818.D
 Acq On : 4 Feb 2020 23:02
 Operator : CG/JU
 Sample : L1363-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-020320

Manual Integrations
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Quant Time: Feb 05 07:17:40 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	6.82	152	271603	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	772093	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	484888	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	796025	20.00	ng	-0.01
76) Chrysene-d12	13.96	240	603308	20.00	ng	-0.02
87) Perylene-d12	15.42	264	740313	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	765905	53.38	ng	0.00
7) Phenol-d6	6.44	99	925210	51.95	ng	-0.01
23) Nitrobenzene-d5	7.37	82	607409	46.89	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	256017	44.13	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	1033437	38.10	ng	-0.01
79) Terphenyl-d14	12.91	244	990794	33.73	ng	-0.02
Target Compounds						
37) 2-Methylnaphthalene	8.81	142	105320	4.300	ng	96
38) 1-Methylnaphthalene	8.91	142	76016	3.299	ng	# 96
71) Phenanthrene	11.35	178	162785	4.156	ng	96
75) Fluoranthene	12.54	202	202639	4.739	ng	97
78) Pyrene	12.77	202	166003	4.011	ng	97
81) Benzo(a)anthracene	13.96	228	94874	2.643	ng	96
83) Chrysene	13.99	228	88348m	2.452	ng	
88) Benzo(b)fluoranthene	14.99	252	123825m	2.695	ng	
90) Benzo(a)pyrene	15.34	252	85687	2.180	ng	# 85

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

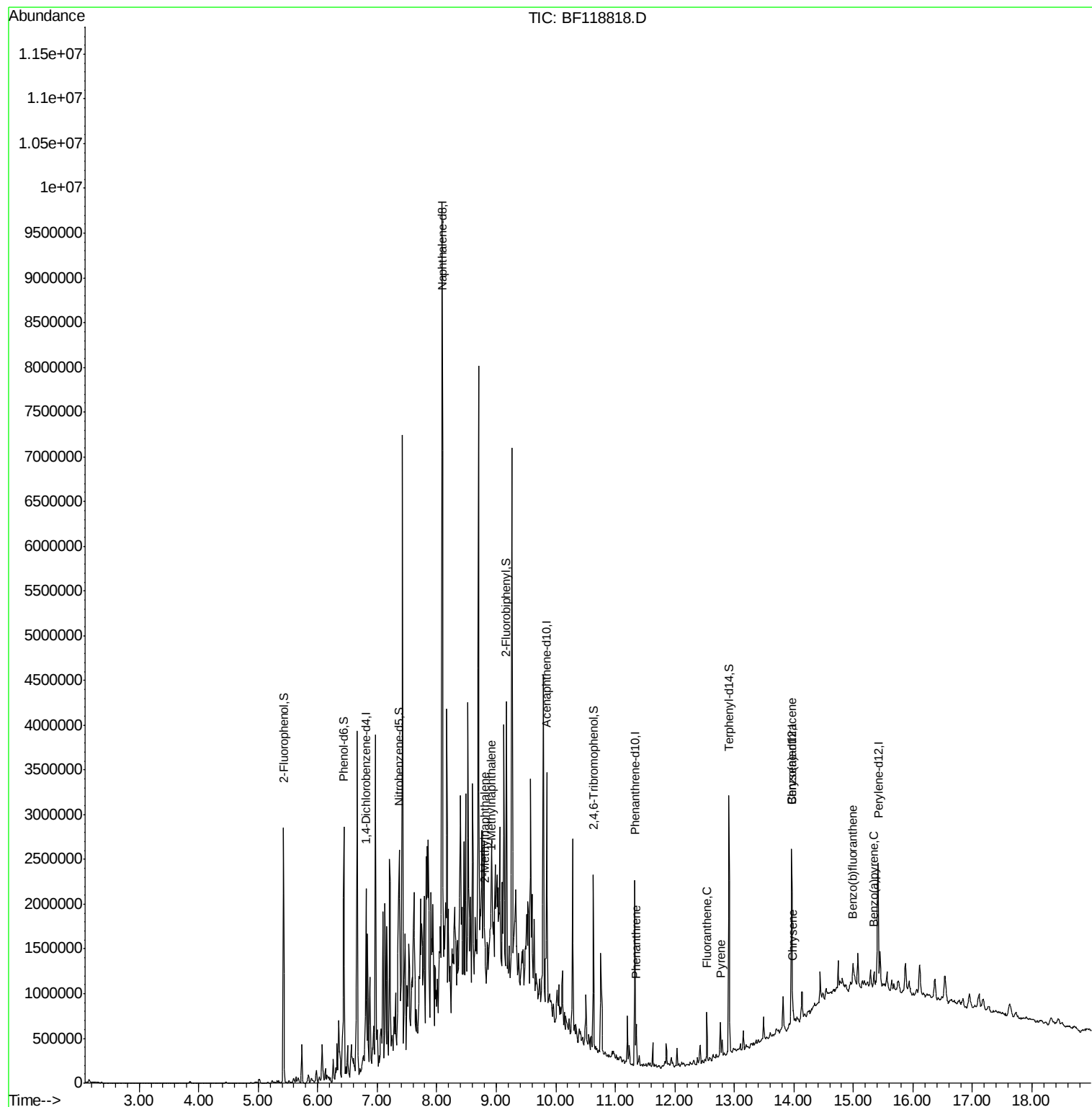
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020420\
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Misc :
ALS Vial : 20 Sample Multiplier: 1

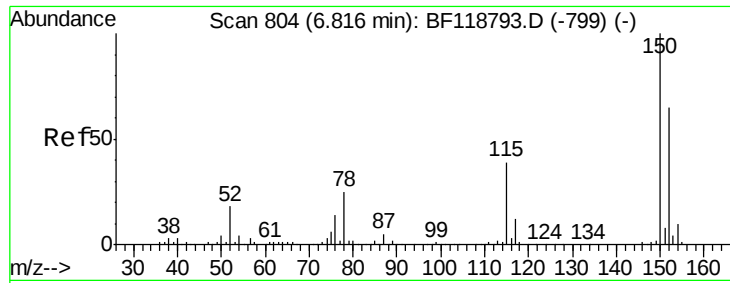
Instrument :
BNA_F
ClientSampleId :
HR-06-020320

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Quant Time: Feb 05 07:17:40 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
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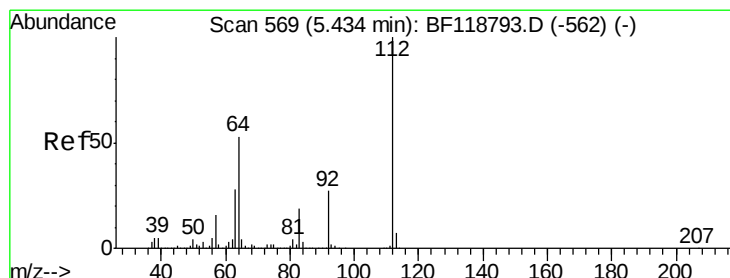
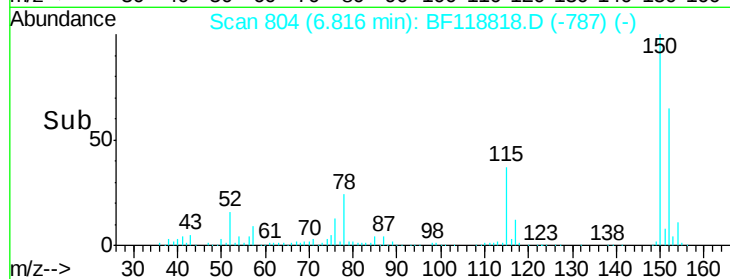
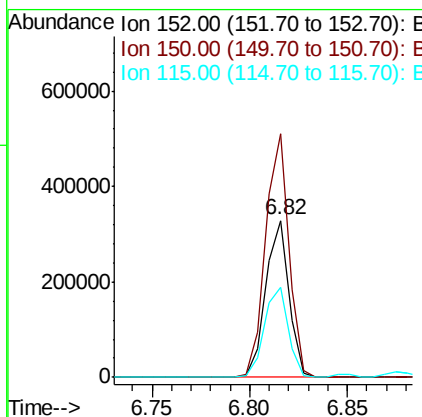
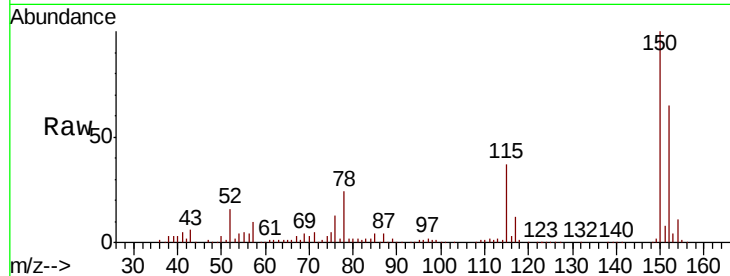
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: BF118818.D
 Acq: 4 Feb 2020 23:02

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-020320

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	123.6	185.4
115	57.6	48.2	72.2

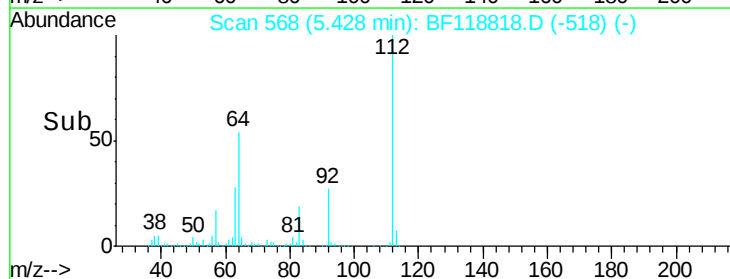
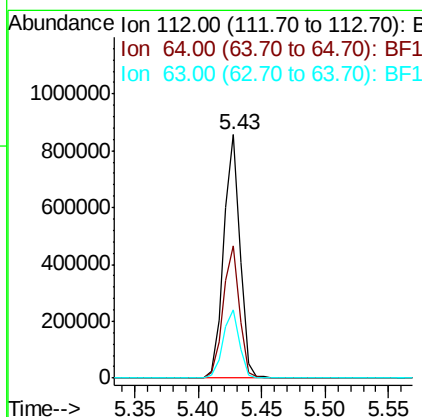
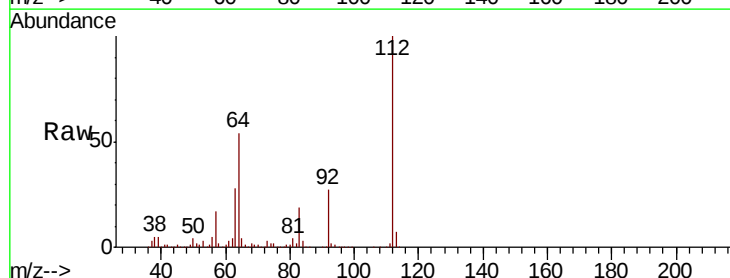
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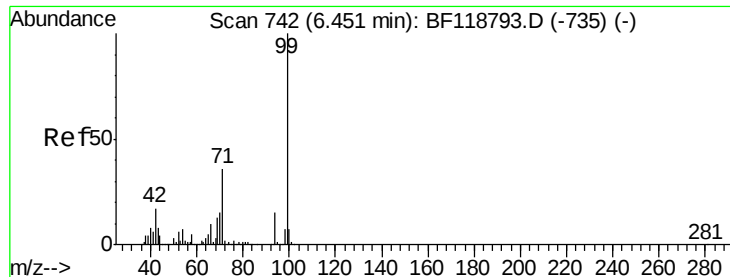
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#5
 2-Fluorophenol
 Concen: 53.379 ng
 RT: 5.43 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: BF118818.D
 Acq: 4 Feb 2020 23:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	42.6	63.8
63	27.8	22.2	33.4





#7

Phenol-d6

Concen: 51.945 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF118818.D

Acq: 4 Feb 2020 23:02

Instrument :

BNA_F

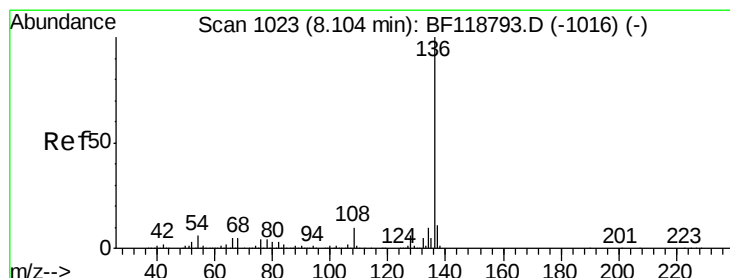
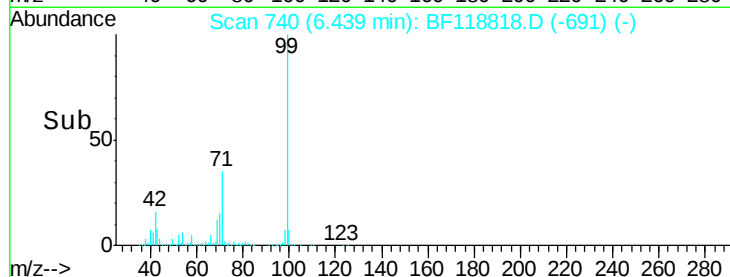
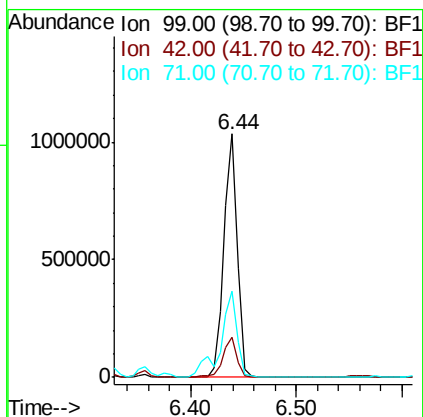
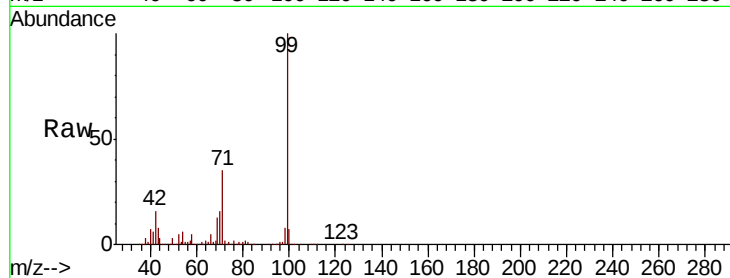
ClientSampleId :

HR-06-020320

Tot Ion	99	Resp	925210
Ion Ratio	Lower	Upper	
99	100		
42	16.3	13.4	20.0
71	35.4	29.0	43.6

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#21

Naphthalene-d8

Concen: 20.000 ng

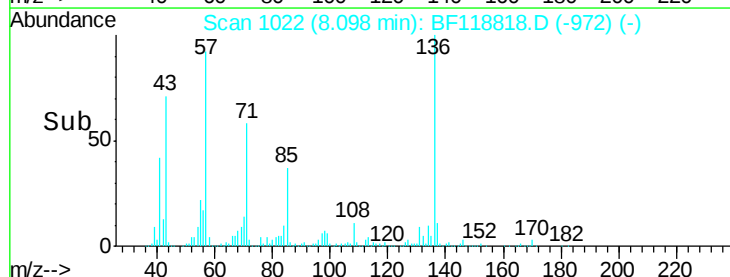
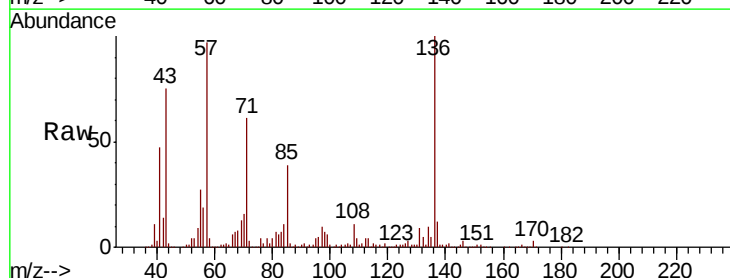
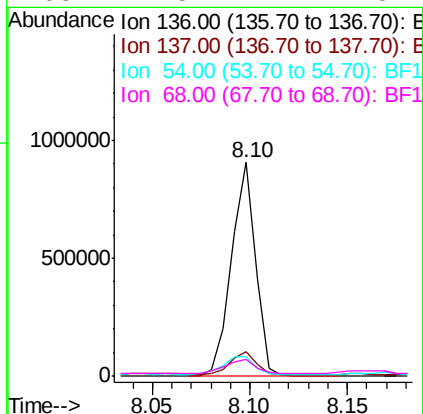
RT: 8.10 min Scan# 1022

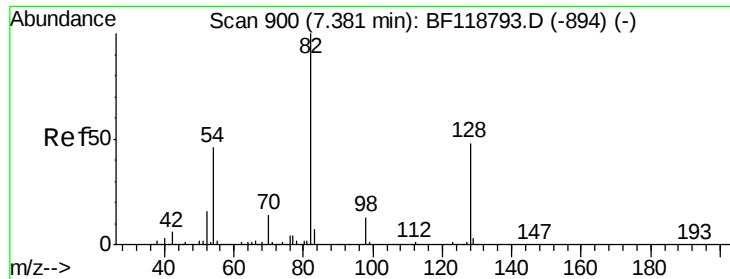
Delta R.T. -0.01 min

Lab File: BF118818.D

Acq: 4 Feb 2020 23:02

Tgt Ion	136	Resp	772093
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.7	13.1
54	9.2	5.0	7.6#
68	7.5	4.2	6.4#





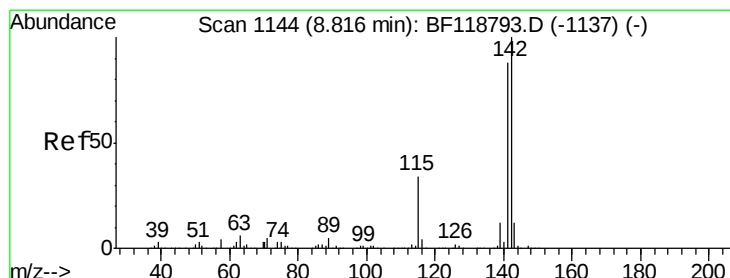
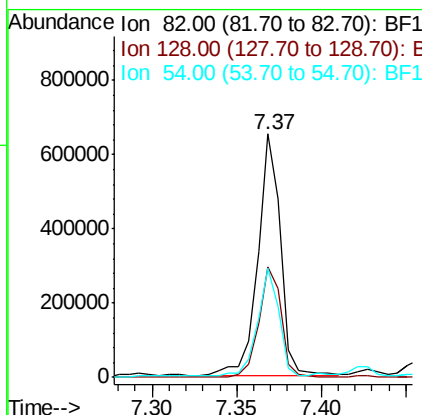
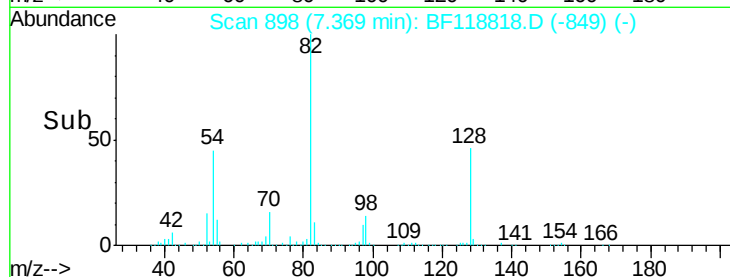
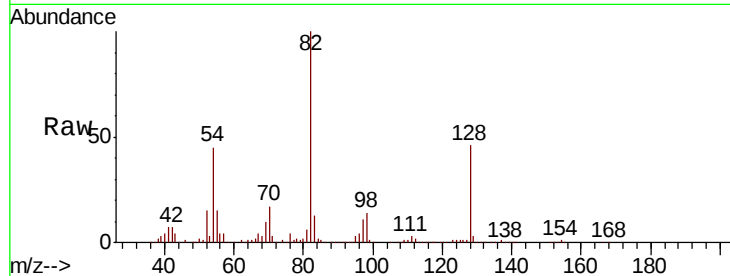
#23
Nitrobenzene-d5
Concen: 46.891 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF118818.D
Acq: 4 Feb 2020 23:02

Instrument :
BNA_F
ClientSampleId :
HR-06-020320

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.5	38.5	57.7
54	45.0	36.7	55.1

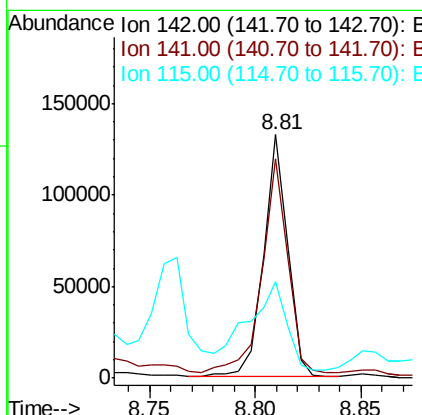
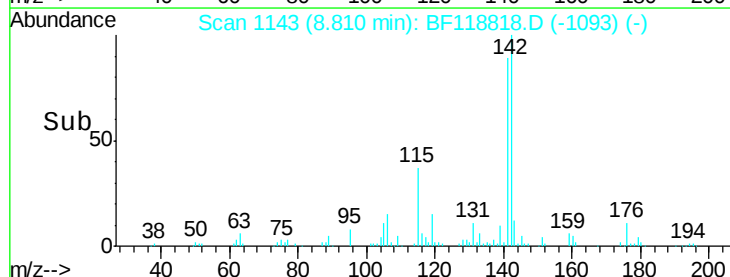
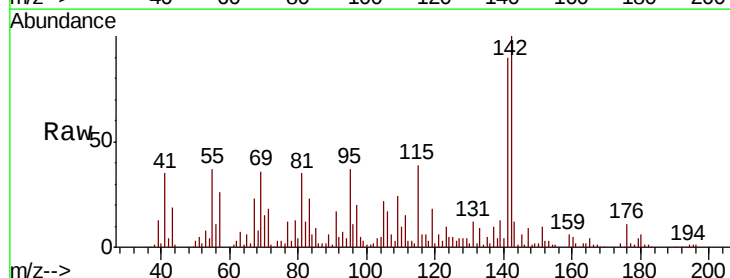
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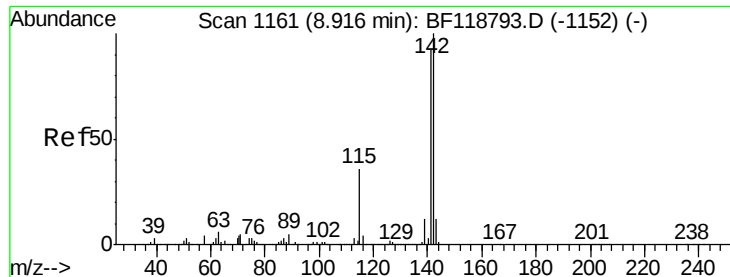
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#37
2-Methylnaphthalene
Concen: 4.300 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF118818.D
Acq: 4 Feb 2020 23:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.1	105.1
115	39.3	27.3	40.9





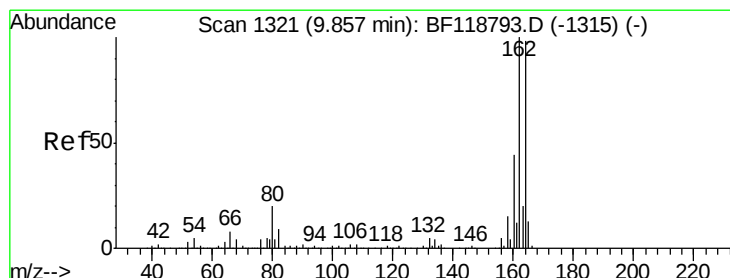
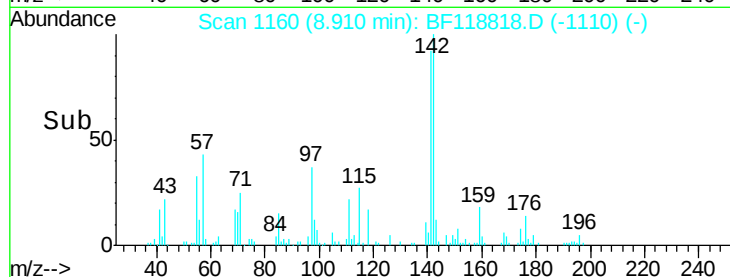
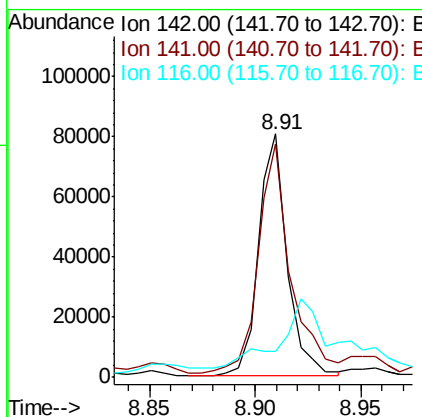
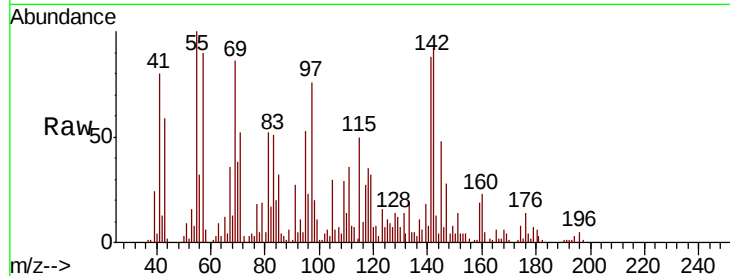
#38
1-Methylnaphthalene
Concen: 3.299 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF118818.D
Acq: 4 Feb 2020 23:02

Instrument :
BNA_F
ClientSampleId :
HR-06-020320

Tot Ion	Ratio	Lower	Upper
142	100		
141	95.6	73.8	110.6
116	10.4	3.0	4.4#

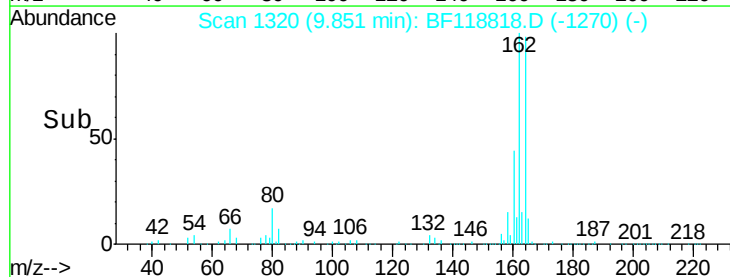
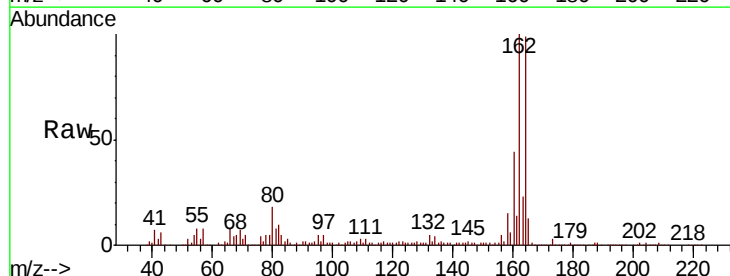
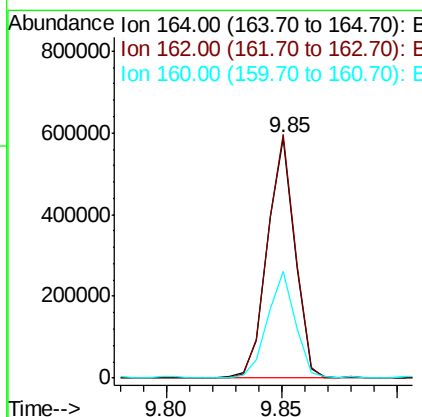
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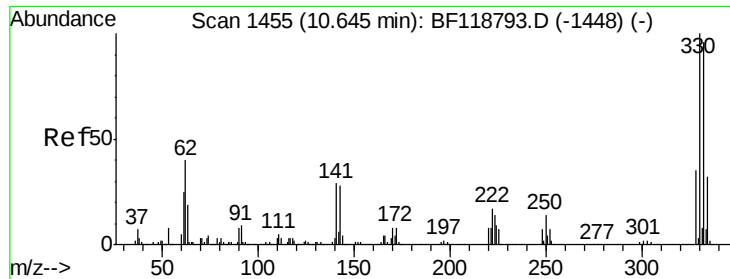
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF118818.D
Acq: 4 Feb 2020 23:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.4	122.2
160	44.5	35.6	53.4





#42

2,4,6-Tribromophenol

Concen: 44.127 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF118818.D

Acq: 4 Feb 2020 23:02

Instrument :

BNA_F

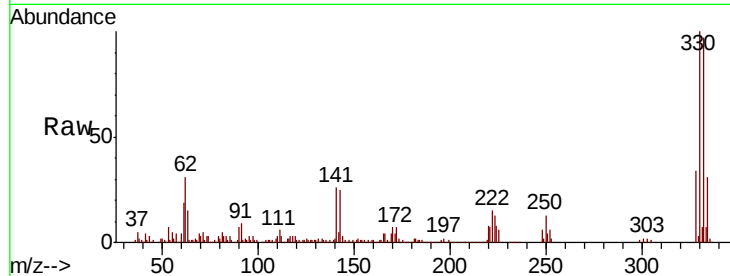
ClientSampleId :

HR-06-020320

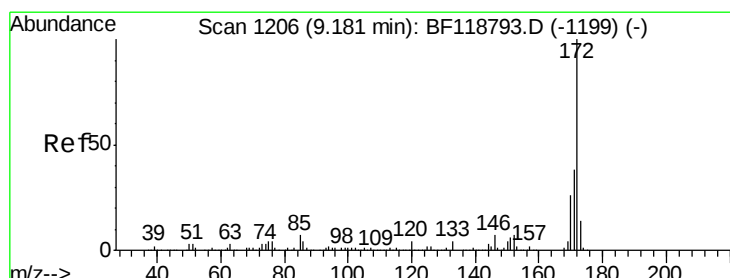
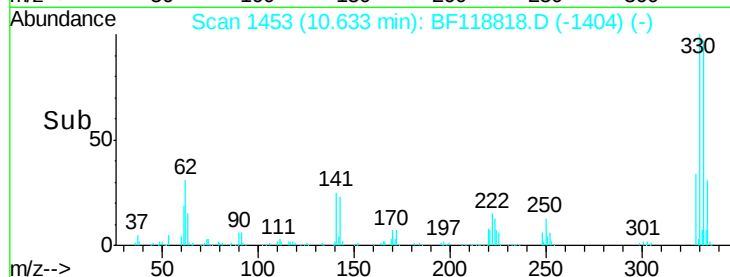
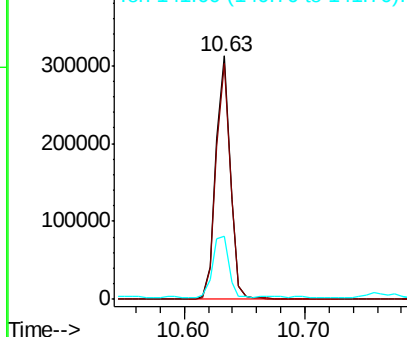
Tot Ion:	330	Resp:	256017
Ion Ratio		Lower	Upper
330	100		
332	97.0	77.3	115.9
141	27.5	22.4	33.6

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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: 38.101 ng

RT: 9.17 min Scan# 1204

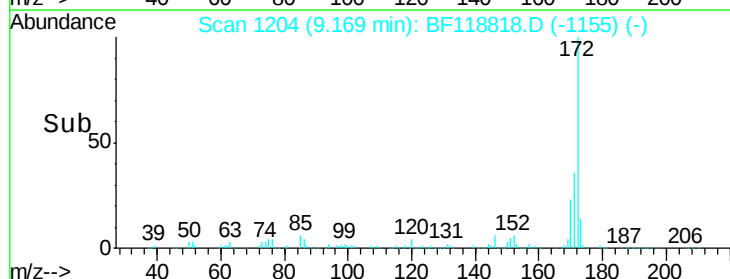
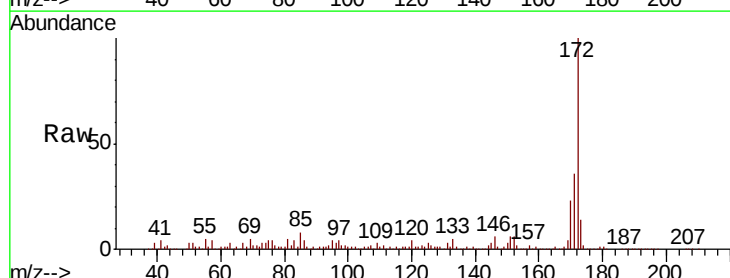
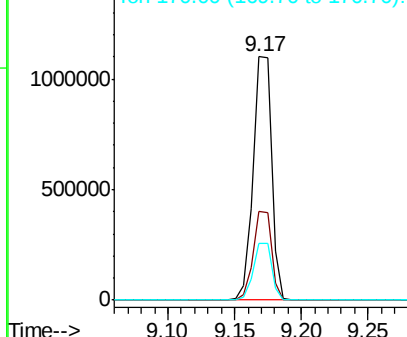
Delta R.T. -0.01 min

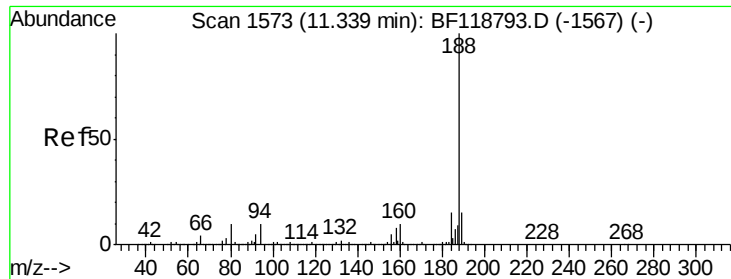
Lab File: BF118818.D

Acq: 4 Feb 2020 23:02

Tgt Ion:	172	Resp:	1033437
Ion Ratio		Lower	Upper
172	100		
171	36.3	30.8	46.2
170	23.2	20.5	30.7

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF118818.D

Acq: 4 Feb 2020 23:02

Instrument :

BNA_F

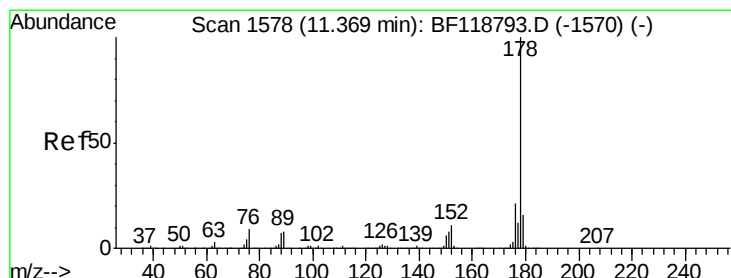
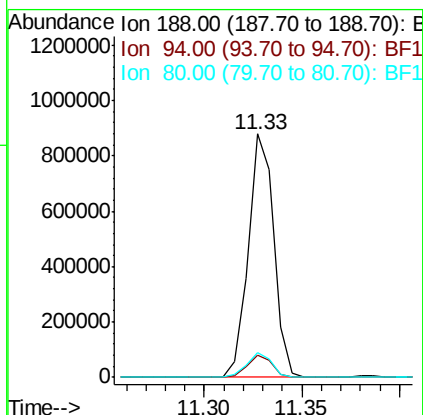
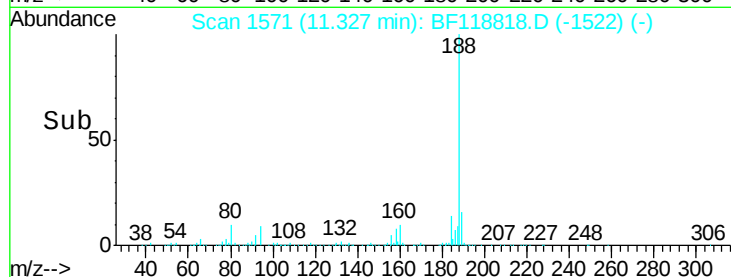
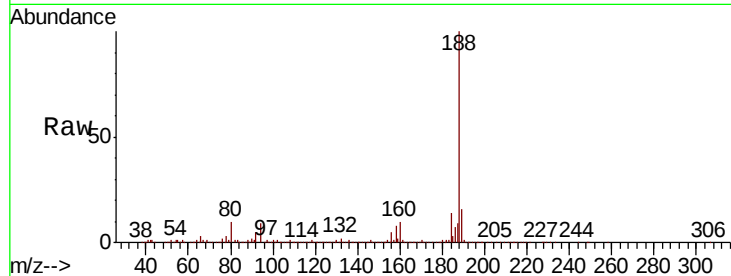
ClientSampleId :

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Tot Ion:	188	Resp:	796025
Ion Ratio	Lower	Upper	
188	100		
94	9.3	7.9	11.9
80	10.0	8.4	12.6

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#71

Phenanthrene

Concen: 4.156 ng

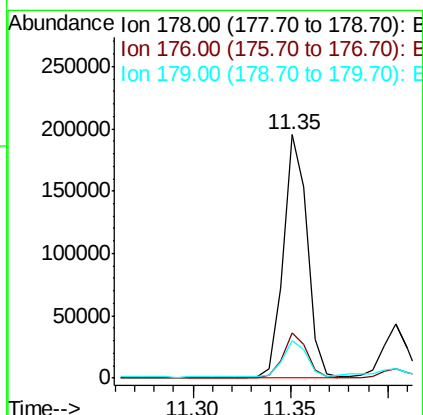
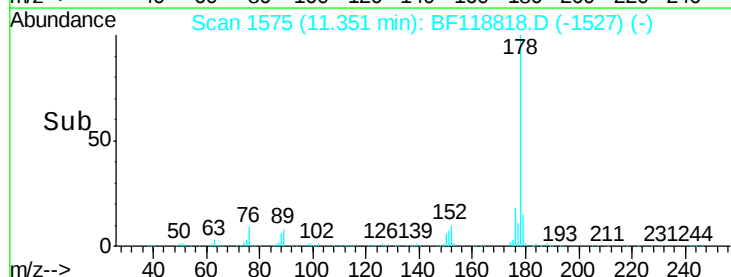
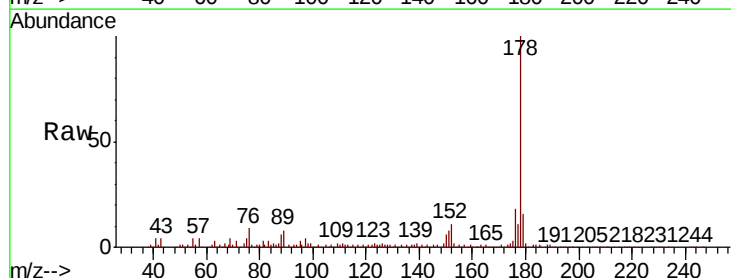
RT: 11.35 min Scan# 1575

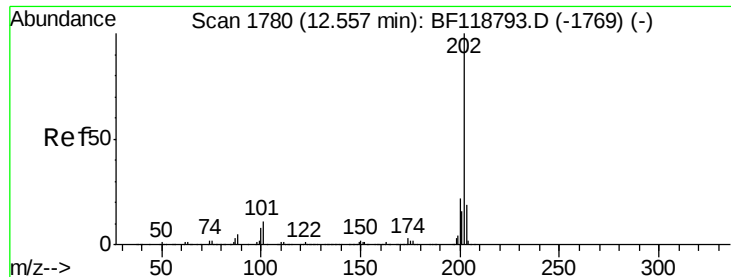
Delta R.T. -0.02 min

Lab File: BF118818.D

Acq: 4 Feb 2020 23:02

Tgt Ion:	178	Resp:	162785
Ion Ratio	Lower	Upper	
178	100		
176	18.4	16.6	24.8
179	15.6	13.2	19.8





#75

Fluoranthene

Concen: 4.739 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.02 min

Lab File: BF118818.D

Acq: 4 Feb 2020 23:02

Instrument :

BNA_F

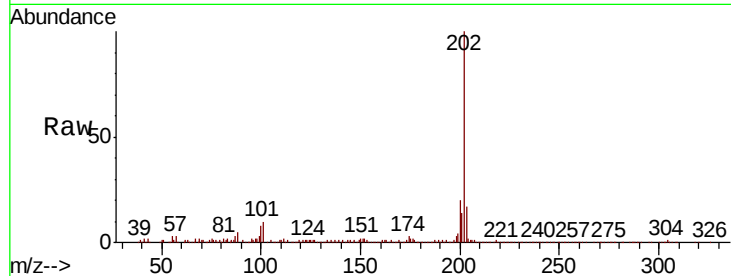
ClientSampleId :

HR-06-020320

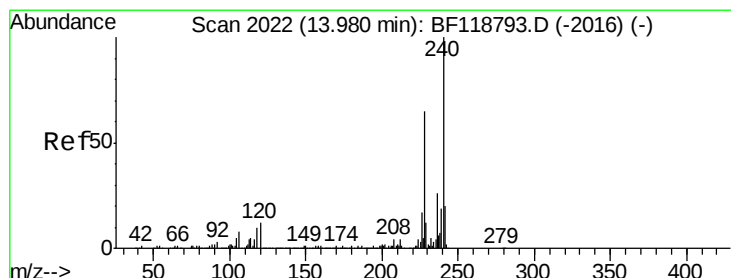
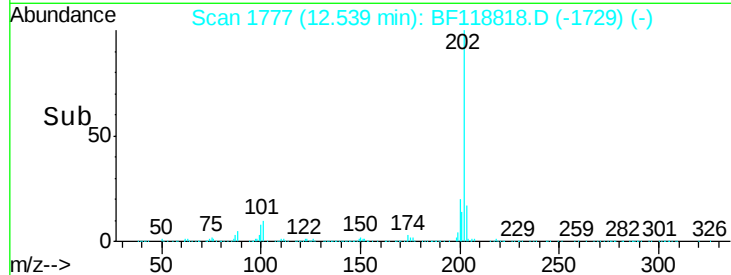
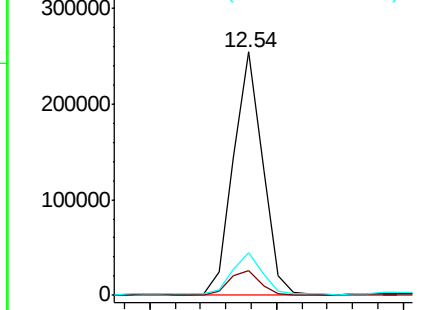
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.2	0.0	31.0
203	17.4	0.0	38.7

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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



#76

Chrysene-d12

Concen: 20.000 ng

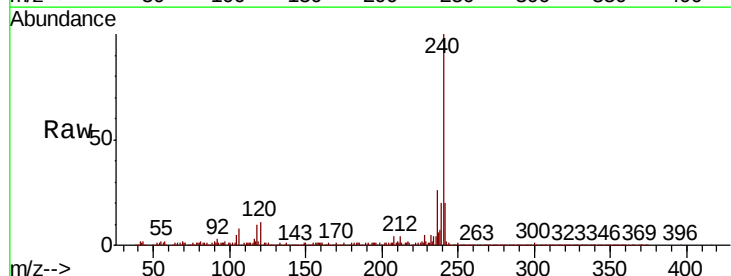
RT: 13.96 min Scan# 2019

Delta R.T. -0.02 min

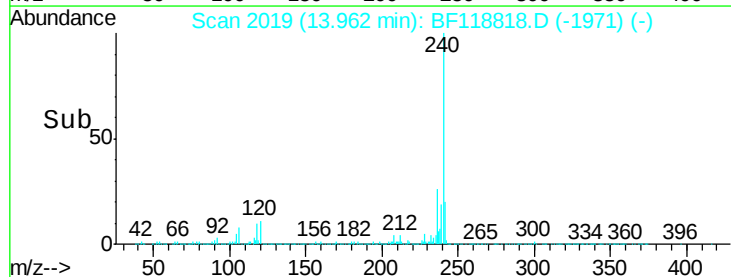
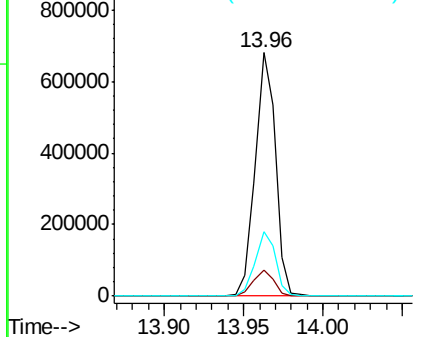
Lab File: BF118818.D

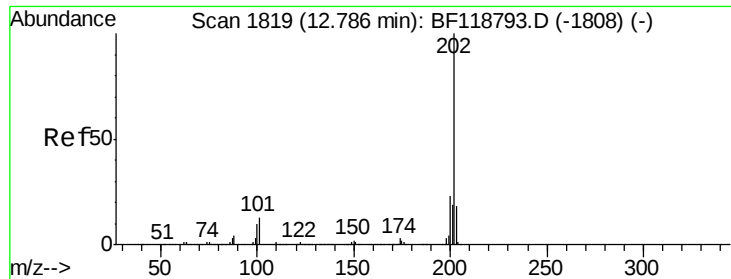
Acq: 4 Feb 2020 23:02

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.8	9.4	14.0
236	26.2	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





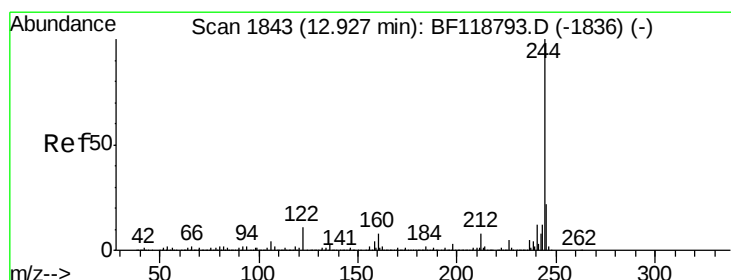
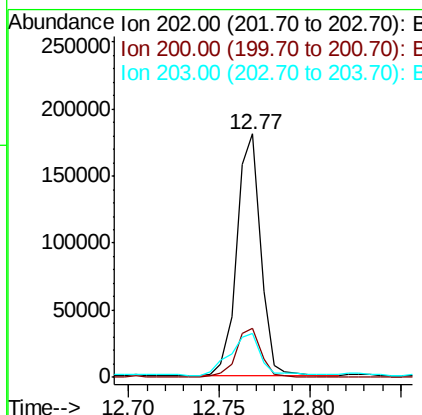
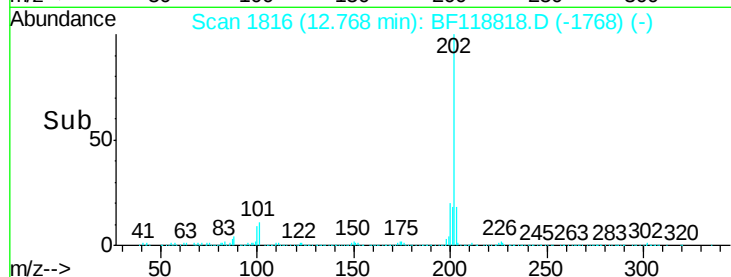
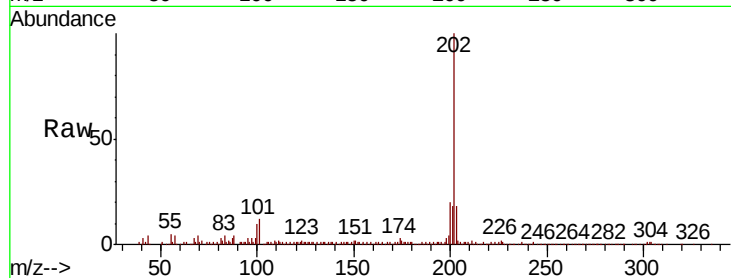
#78
Pvrene
Concen: 4.011 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF118818.D
Acq: 4 Feb 2020 23:02

Instrument :
BNA_F
ClientSampleId :
HR-06-020320

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	18.2	27.2
203	18.1	14.8	22.2

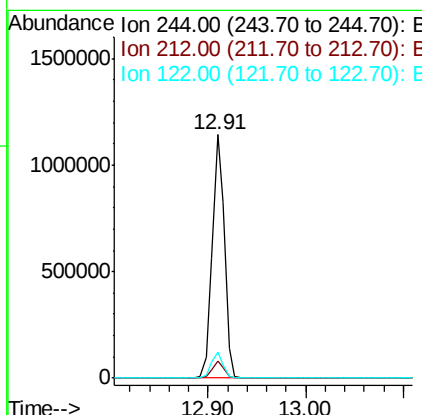
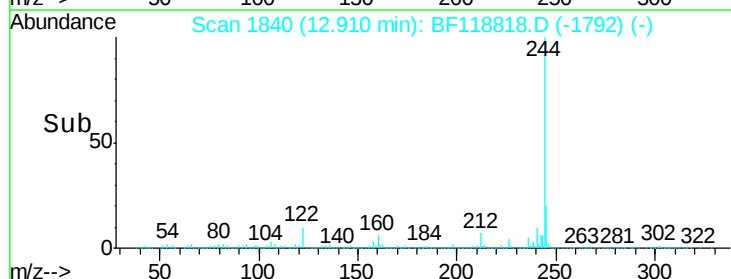
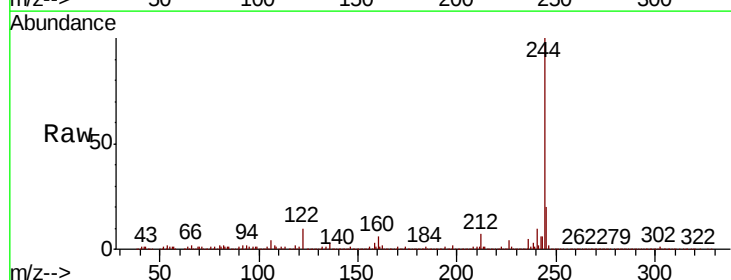
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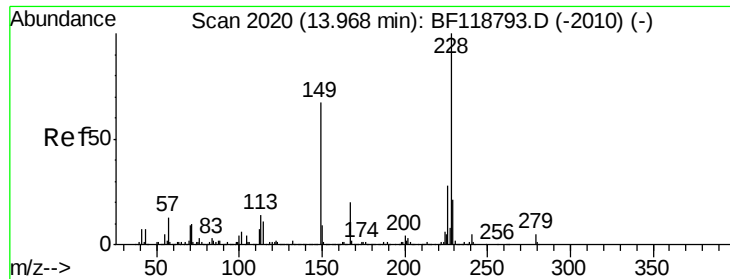
mohammad
2/6/2020 2:17:25 PM



#79
Terphenyl-d14
Concen: 33.733 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.02 min
Lab File: BF118818.D
Acq: 4 Feb 2020 23:02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.5	9.7
122	10.5	8.9	13.3





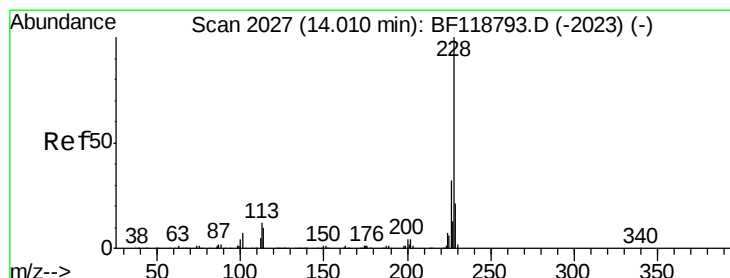
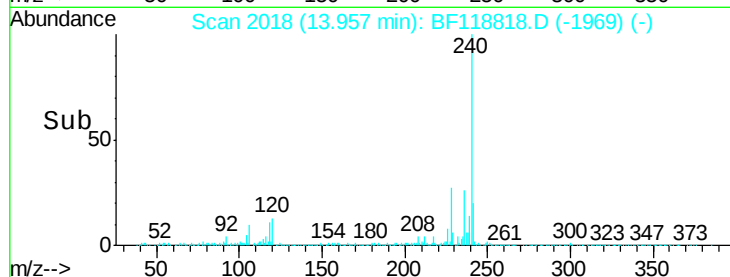
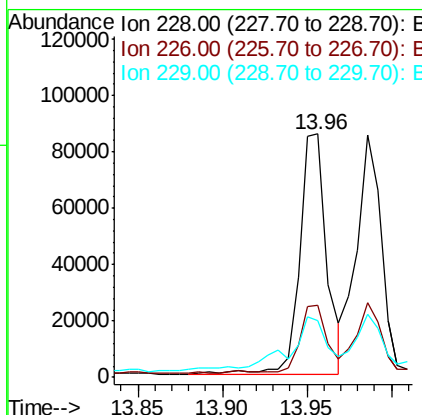
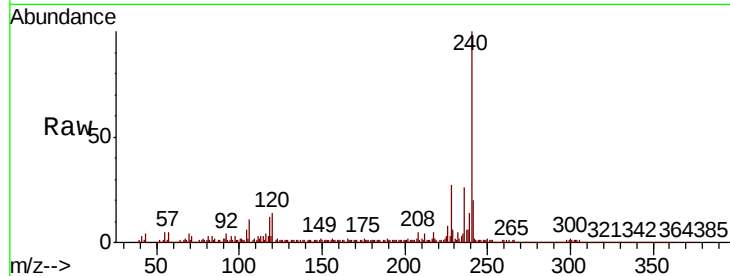
#81
Benzo(a)anthracene
Concen: 2.643 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF118818.D
Acq: 4 Feb 2020 23:02

Instrument :
BNA_F
ClientSampleId :
HR-06-020320

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.7	34.1
229	23.6	16.6	25.0

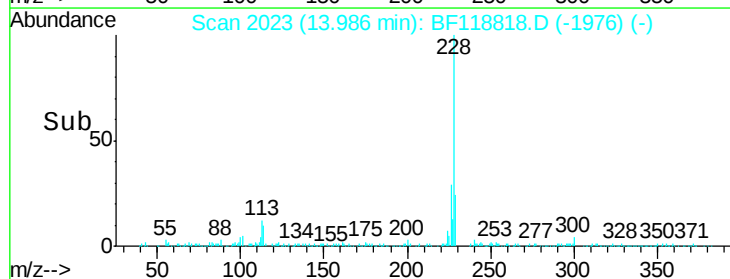
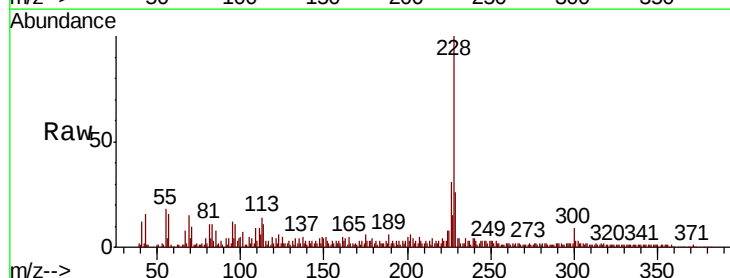
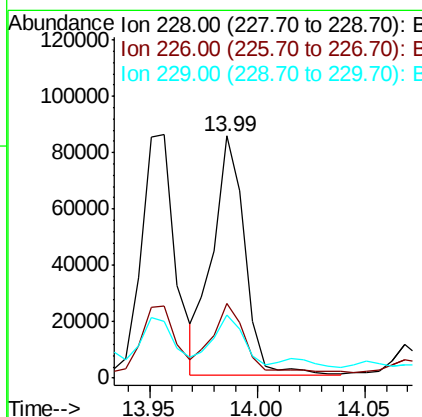
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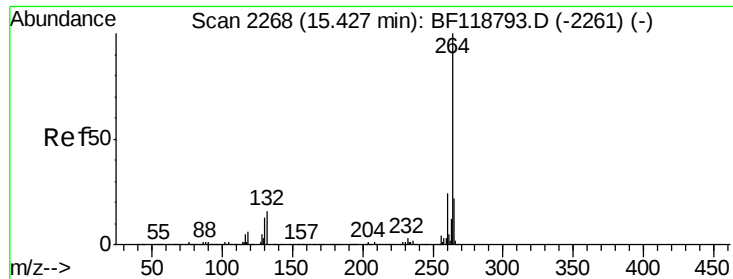
mohammad
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#83
Chrysene
Concen: 2.452 ng m
RT: 13.99 min Scan# 2023
Delta R.T. -0.02 min
Lab File: BF118818.D
Acq: 4 Feb 2020 23:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.4	38.0
229	26.0	16.9	25.3





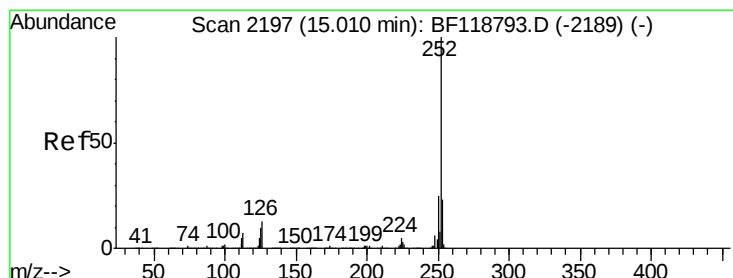
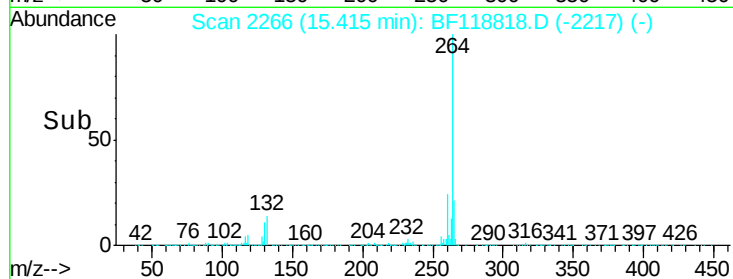
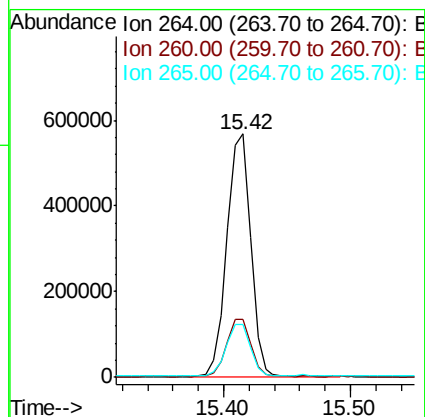
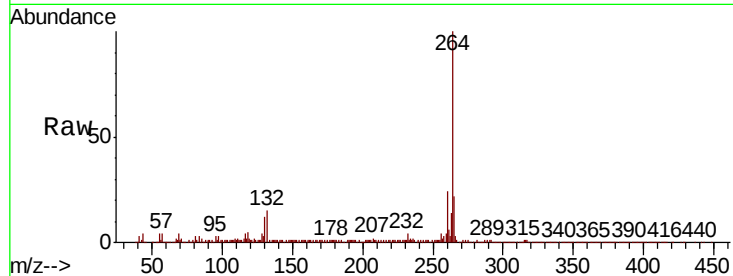
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF118818.D
Acq: 4 Feb 2020 23:02

Instrument :
BNA_F
ClientSampleId :
HR-06-020320

Tot Ion:	264	Resp:	740313
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.1	28.7
265	21.8	17.2	25.8

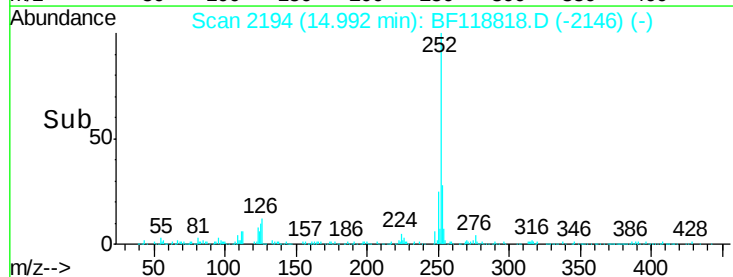
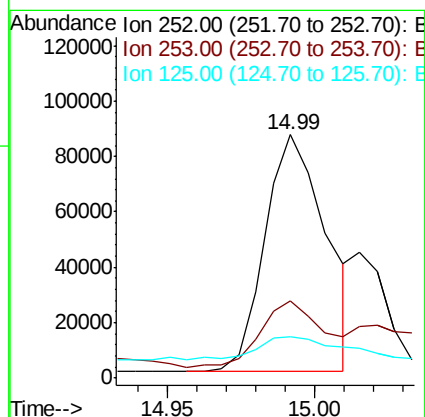
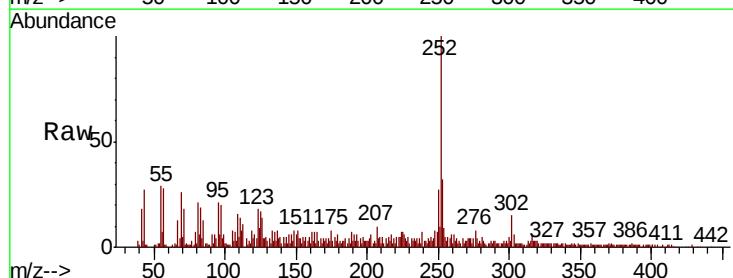
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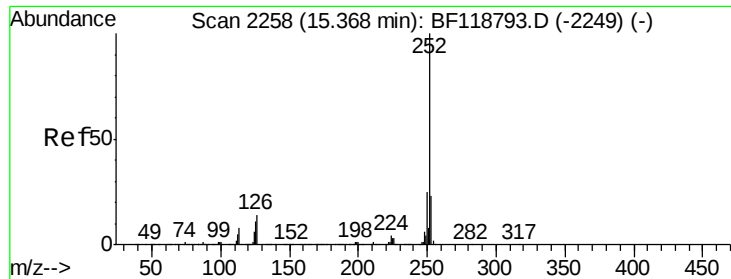
mohammad
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#88
Benzo(b)fluoranthene
Concen: 2.695 ng m
RT: 14.99 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF118818.D
Acq: 4 Feb 2020 23:02

Tgt Ion:	252	Resp:	123825
Ion Ratio	Lower	Upper	
252	100		
253	31.6	18.4	27.6#
125	16.8	8.1	12.1#





#90

Benzo(a)pyrene

Concen: 2.180 ng

RT: 15.34 min Scan# 2254

Delta R.T. -0.02 min

Lab File: BF118818.D

Acq: 4 Feb 2020 23:02

Instrument :

BNA_F

ClientSampleId :

HR-06-020320

Tot Ion:	252	Resp:	85687
Ion Ratio	Lower	Upper	
252	100		
253	28.4	18.1	27.1#
125	18.4	8.7	13.1#

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:25 PM

