

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
 Data File : BF116694.D
 Acq On : 31 Aug 2019 12:56
 Operator : HP/JU
 Sample : K4618-07 20X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4-20-22

Manual Integrations
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mohammad
 9/5/2019 9:23:20 AM

Quant Time: Aug 31 17:37:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	108036	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	443431	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	228032	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	382778	20.00	ng	0.00
76) Chrysene-d12	14.00	240	250955	20.00	ng	0.00
87) Perylene-d12	15.45	264	272860	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	30922	4.64	ng	-0.01
7) Phenol-d6	6.46	99	43138	4.93	ng	-0.02
23) Nitrobenzene-d5	7.40	82	25200	3.24	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	5440	3.57	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	40655	3.01	ng	-0.01
79) Terphenyl-d14	12.94	244	39603	2.92	ng	-0.01
Target Compounds						
75) Fluoranthene	12.57	202	41973	2.004	ng	95
78) Pyrene	12.80	202	167301	7.500	ng	98
81) Benzo(a)anthracene	13.99	228	364186	22.929	ng	96
83) Chrysene	14.02	228	486396	29.725	ng	# 94
86) Indeno(1,2,3-cd)pyrene	16.90	276	123571	9.402	ng	# 71
88) Benzo(b)fluoranthene	15.03	252	238750m	14.473	ng	
90) Benzo(a)pyrene	15.39	252	254596	17.739	ng	96
91) Dibenzo(a,h)anthracene	16.90	278	139230	11.083	ng	# 78
92) Benzo(g,h,i)perylene	17.33	276	232727	18.164	ng	# 92

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

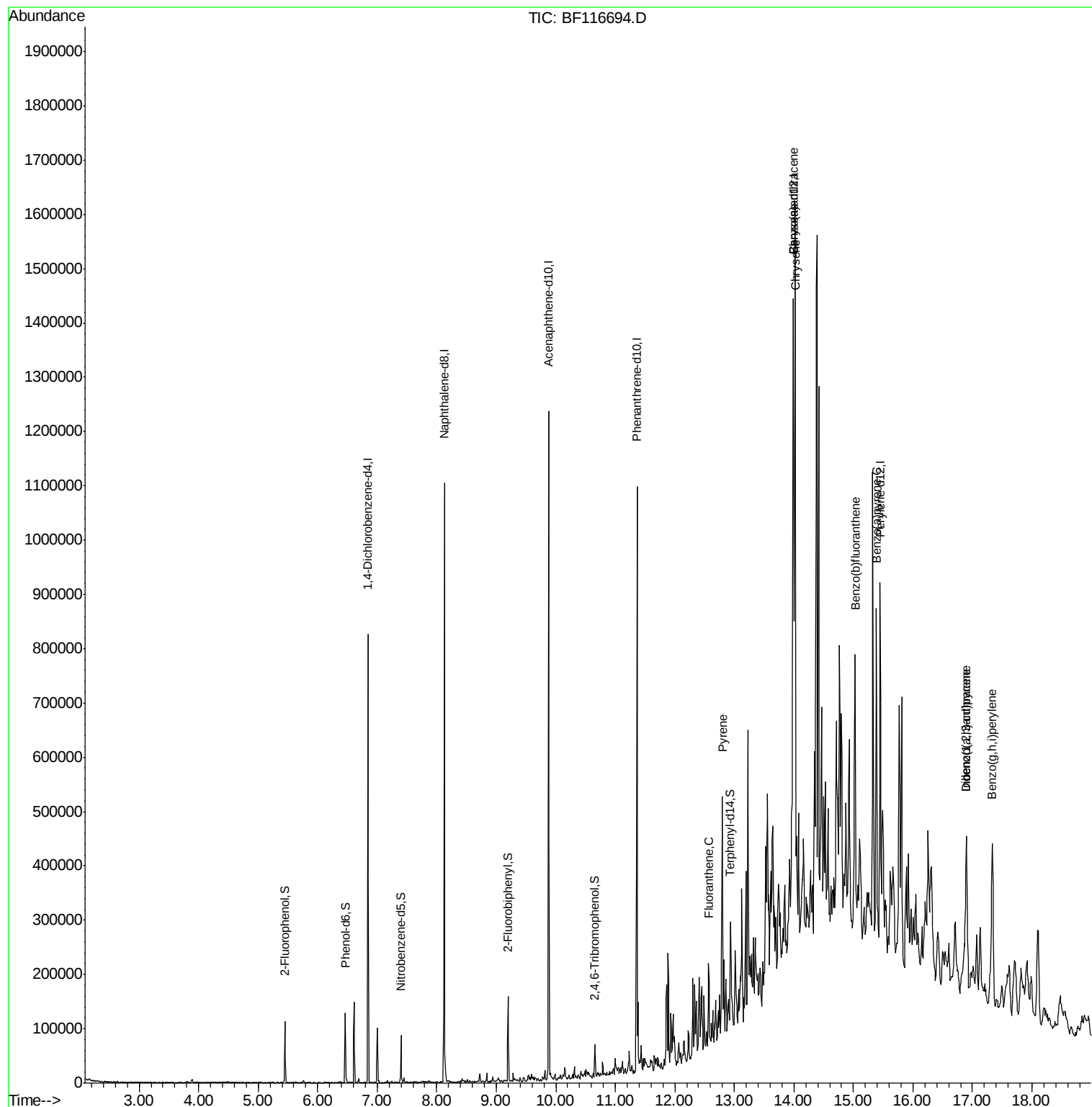
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
Data File : BF116694.D
Acq On : 31 Aug 2019 12:56
Operator : HP/JU
Sample : K4618-07 20X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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#1

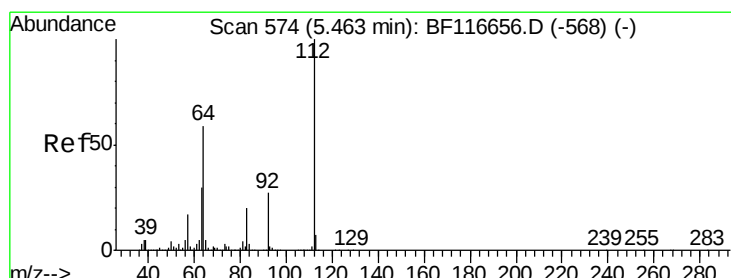
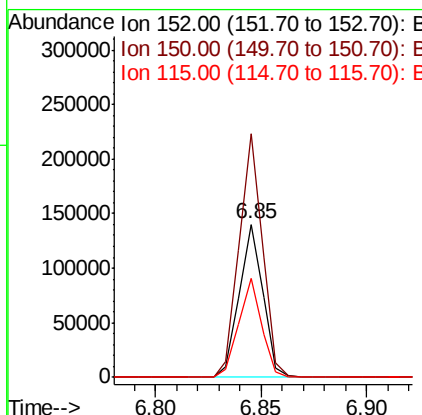
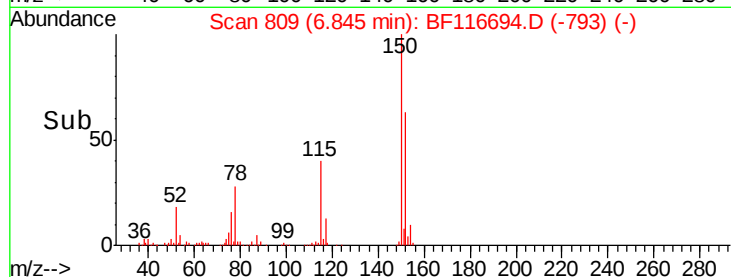
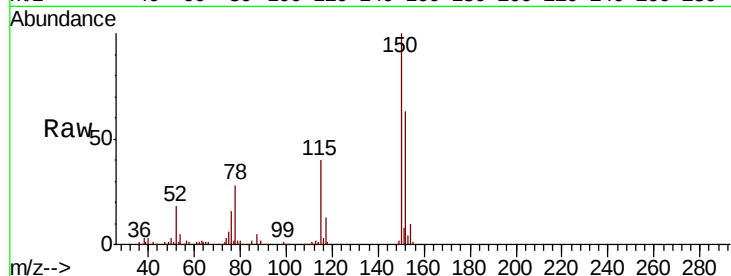
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Instrument :
BNA_F
ClientSampleId :
SB-4-20-22

Tot Ion	Ratio	Resp	Lower	Upper
152	100	108036		
150	159.3	124.4	186.6	
115	64.5	49.9	74.9	

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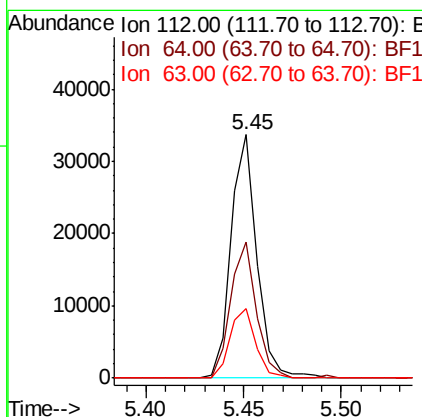
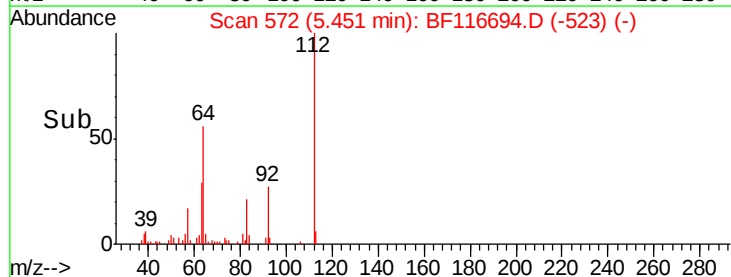
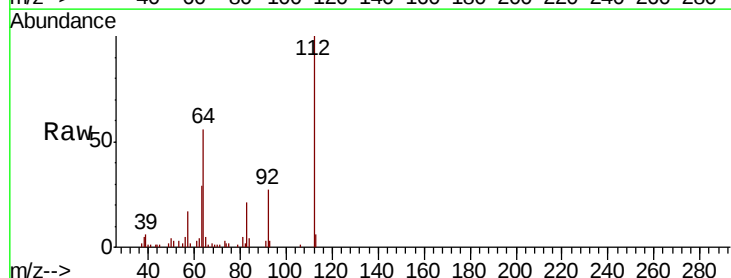
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#5

2-Fluorophenol
Concen: 4.637 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	30922		
64	56.0	47.1	70.7	
63	28.5	24.9	37.3	





#7

Phenol-d6

Concen: 4.926 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF116694.D

Acq: 31 Aug 2019 12:56

Instrument :

BNA_F

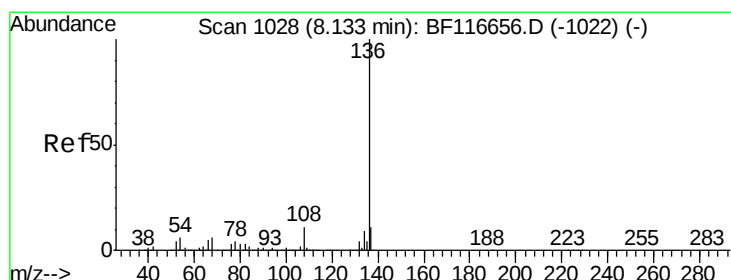
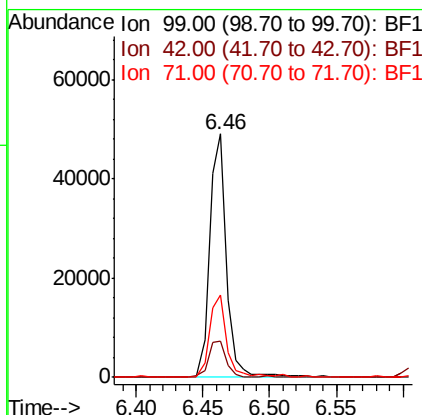
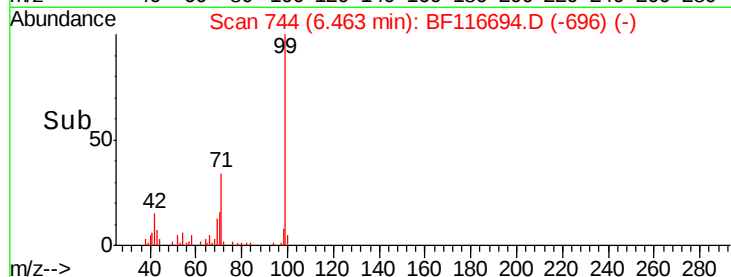
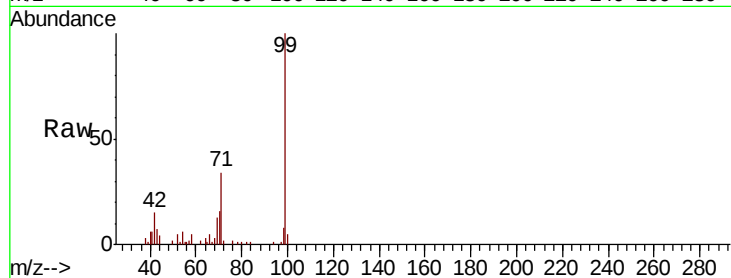
ClientSampleId :

SB-4-20-22

Tot Ion:	99	Resp:	43138
Ion Ratio	Lower	Upper	
99	100		
42	14.8	13.7	20.5
71	33.9	30.8	46.2

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#21

Naphthalene-d8

Concen: 20.000 ng

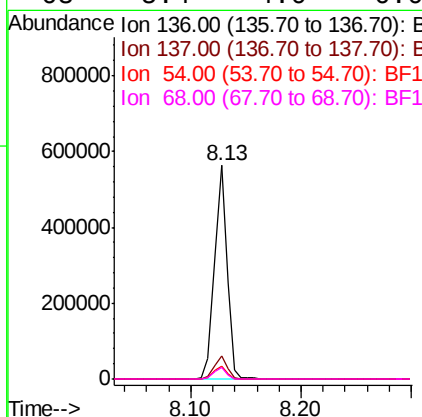
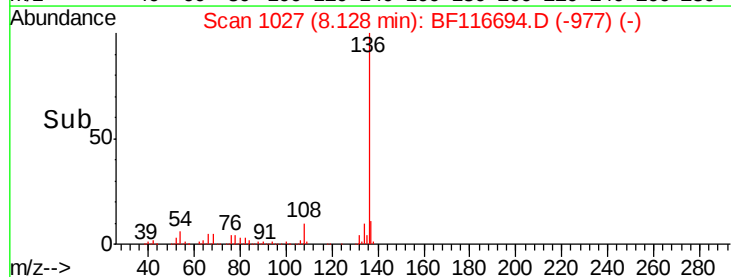
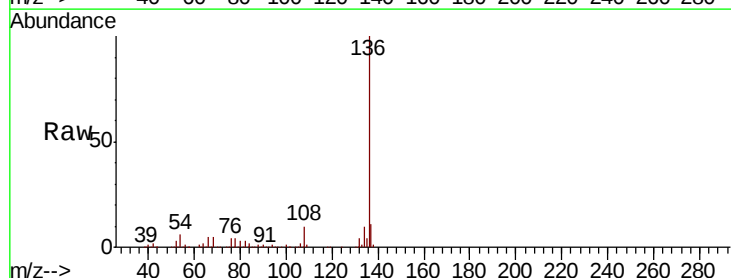
RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116694.D

Acq: 31 Aug 2019 12:56

Tgt Ion:	136	Resp:	443431
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	5.9	4.8	7.2
68	5.4	4.0	6.0





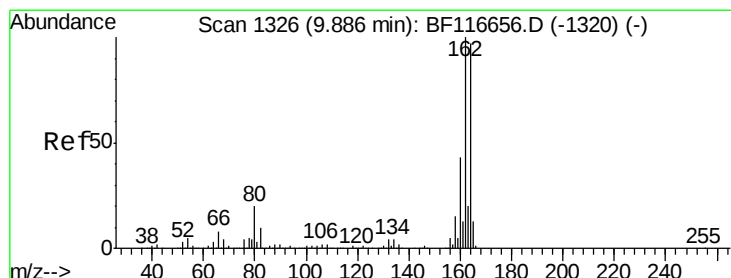
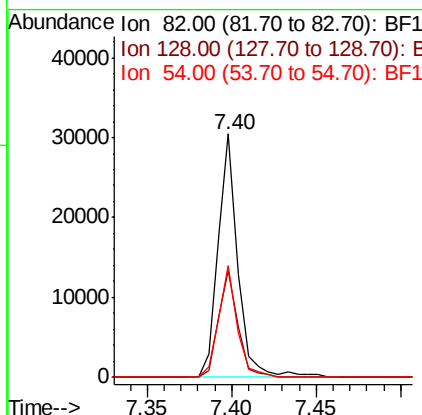
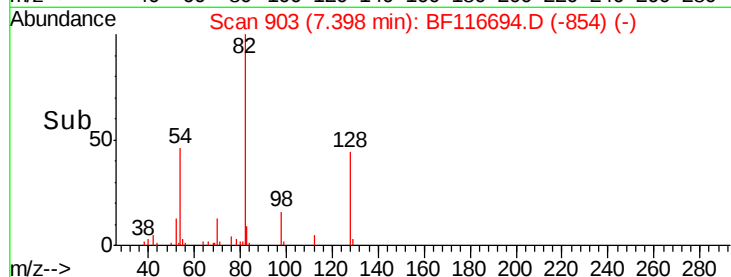
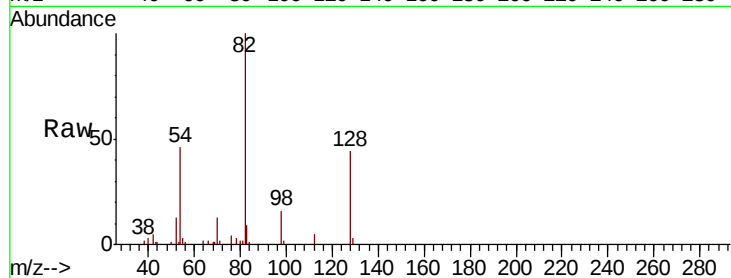
#23
Nitrobenzene-d5
Concen: 3.244 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Instrument :
BNA_F
ClientSampleId :
SB-4-20-22

Tot Ion:	82	Resp:	25200
Ion Ratio	Lower	Upper	
82	100		
128	43.6	32.8	49.2
54	45.8	36.9	55.3

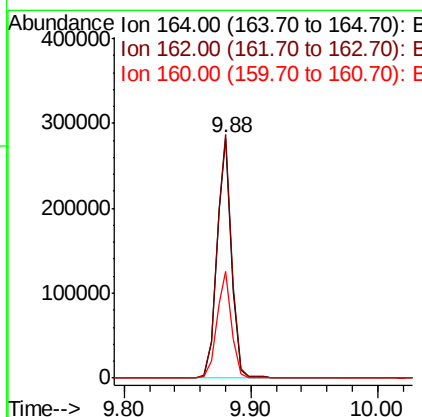
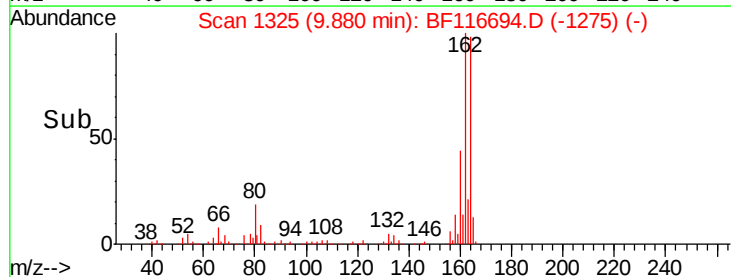
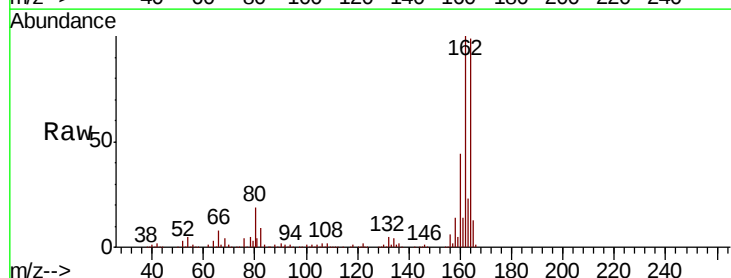
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Tgt Ion:	164	Resp:	228032
Ion Ratio	Lower	Upper	
164	100		
162	101.5	81.4	122.0
160	44.7	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 3.569 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116694.D

Acq: 31 Aug 2019 12:56

Instrument :

BNA_F

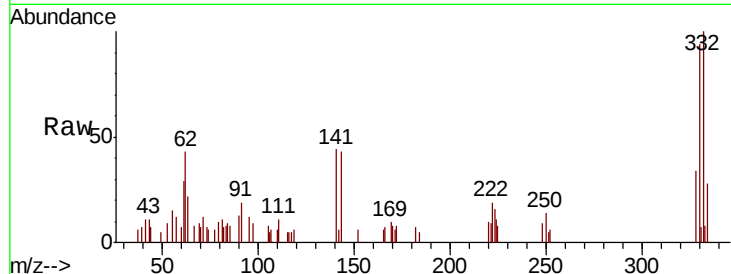
ClientSampleId :

SB-4-20-22

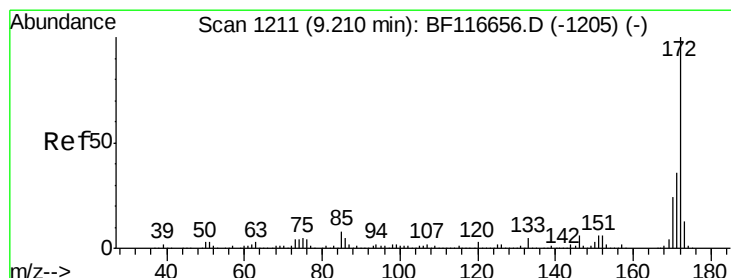
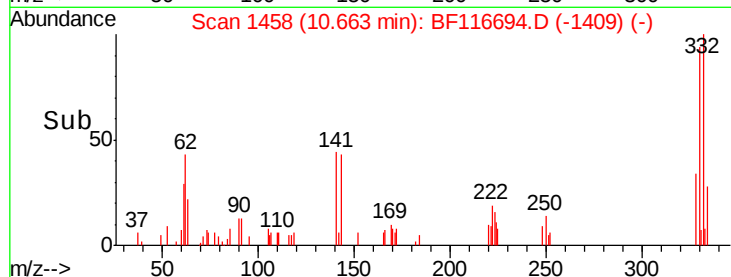
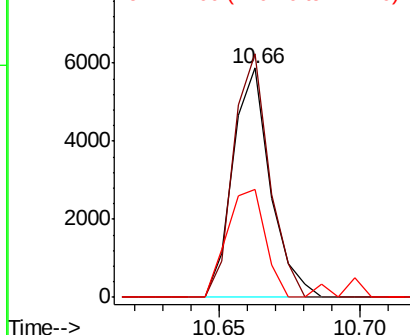
Tot Ion:	330	Resp:	5440
Ion Ratio	Lower	Upper	
330	100		
332	101.0	76.9	115.3
141	48.0	31.4	47.2#

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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: 3.008 ng

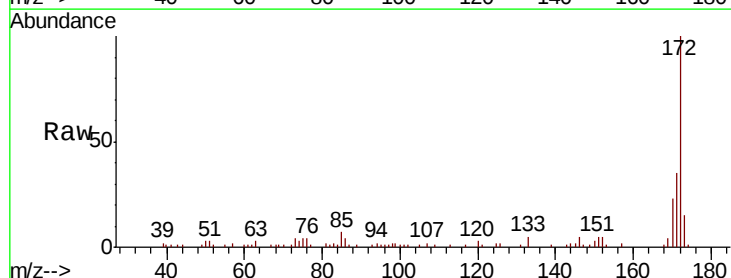
RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

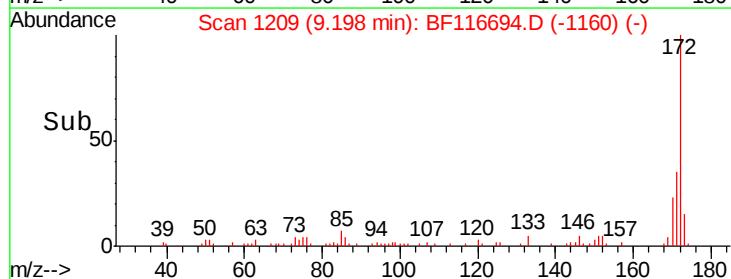
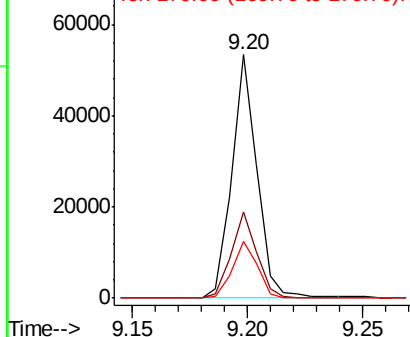
Lab File: BF116694.D

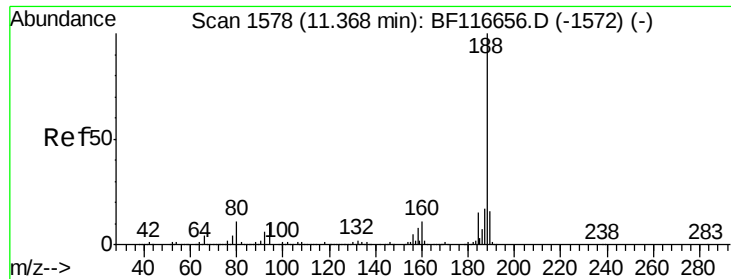
Acq: 31 Aug 2019 12:56

Tgt Ion:	172	Resp:	40655
Ion Ratio	Lower	Upper	
172	100		
171	35.4	27.8	41.6
170	23.2	18.9	28.3



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: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116694.D

Acq: 31 Aug 2019 12:56

Instrument :

BNA_F

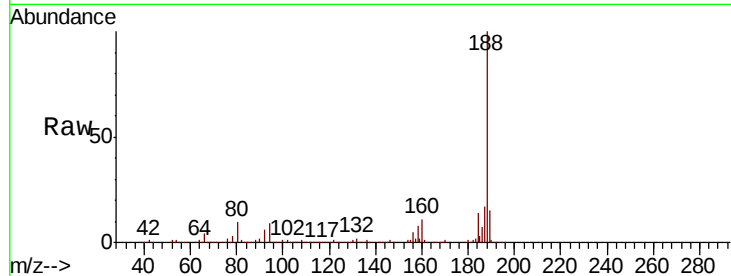
ClientSampled :

SB-4-20-22

Tot Ion:	188	Resp:	382778
Ion Ratio	Lower	Upper	
188	100		
94	9.3	7.3	10.9
80	10.3	8.4	12.6

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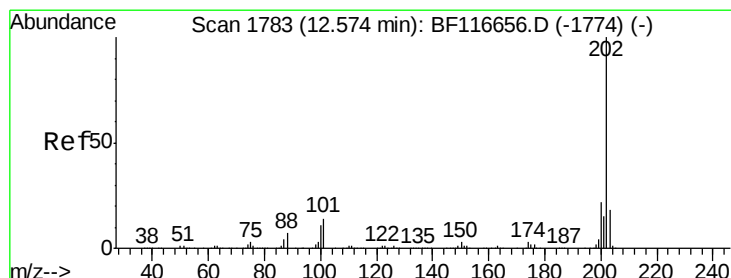
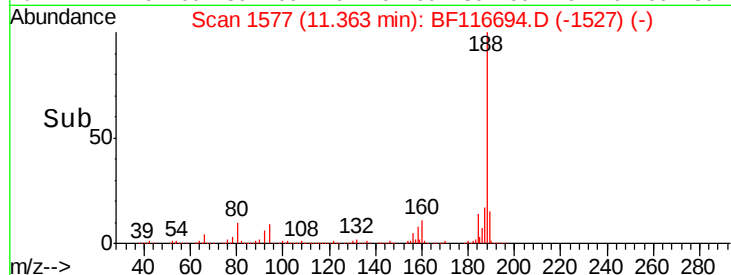
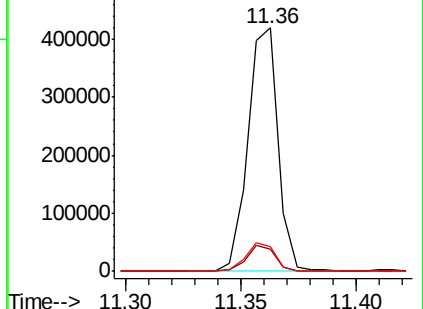
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#75

Fluoranthene

Concen: 2.004 ng

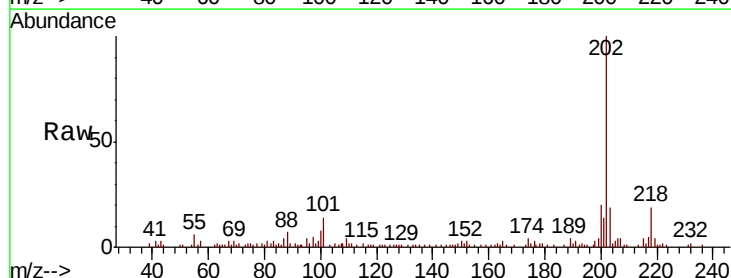
RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF116694.D

Acq: 31 Aug 2019 12:56

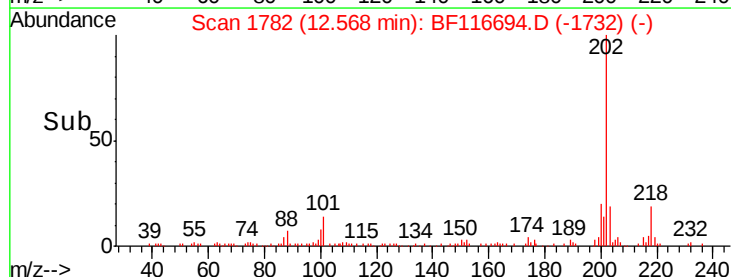
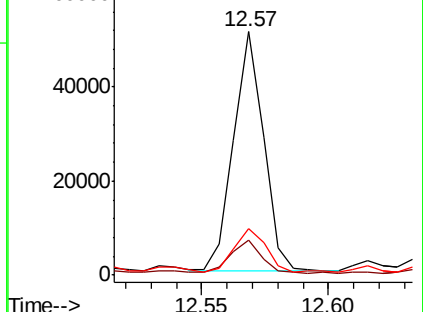
Tgt Ion:	202	Resp:	41973
Ion Ratio	Lower	Upper	
202	100		
101	14.3	0.0	31.3
203	19.2	0.0	37.6

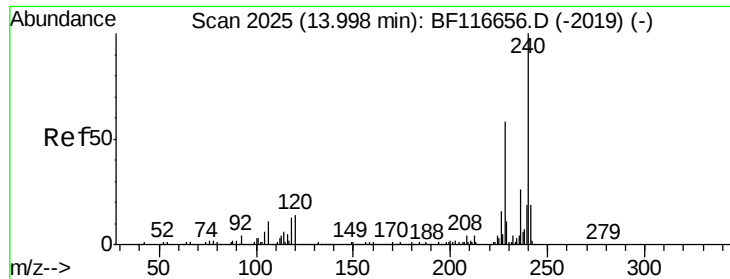


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





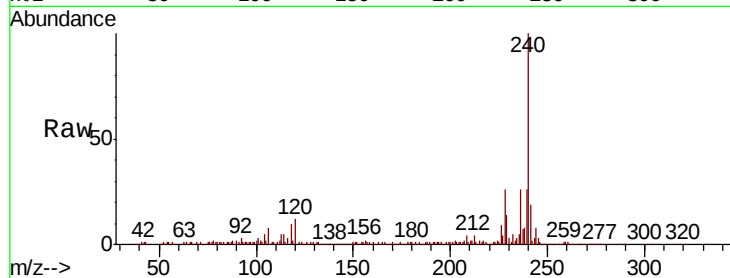
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Instrument :
BNA_F
ClientSampleId :
SB-4-20-22

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	11.6	9.1	13.7
236	25.9	21.1	31.7

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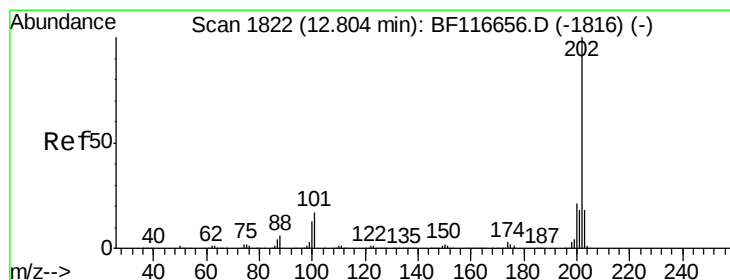
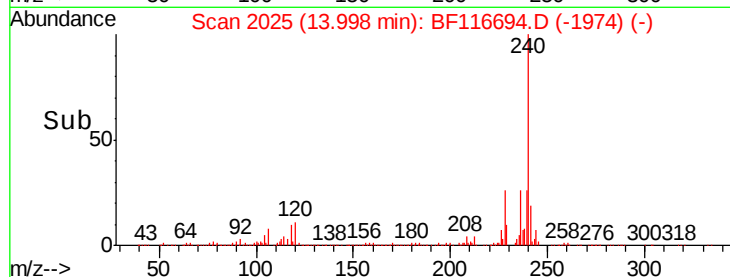
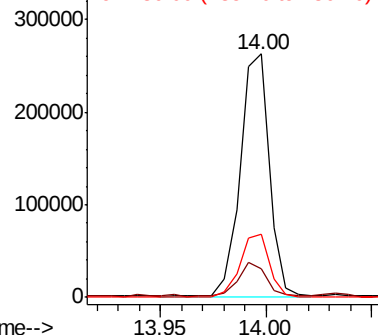


Abundance

Ion 240.00 (239.70 to 240.70): E

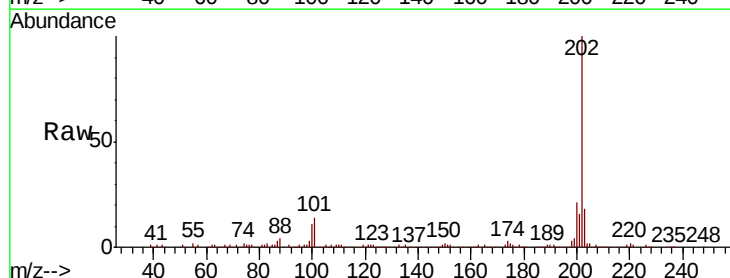
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 7.500 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	16.5	24.7
203	18.4	13.7	20.5

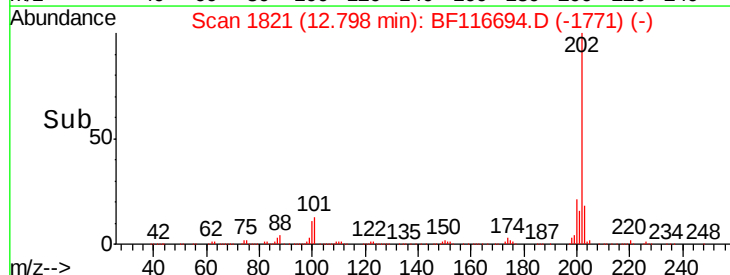
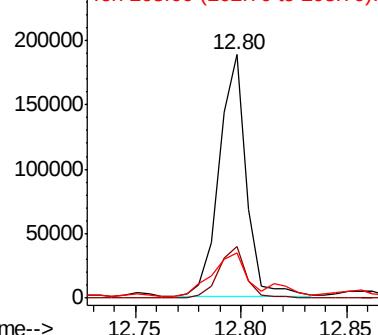


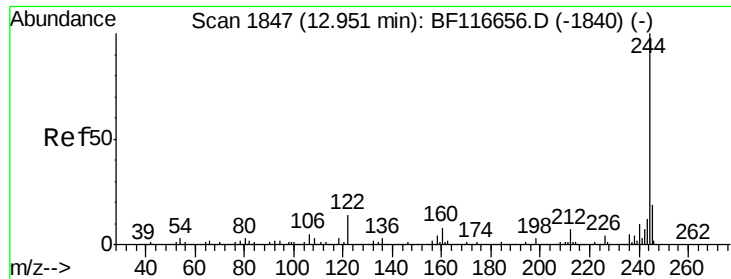
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





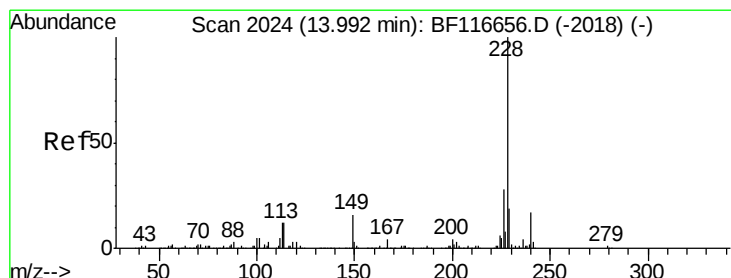
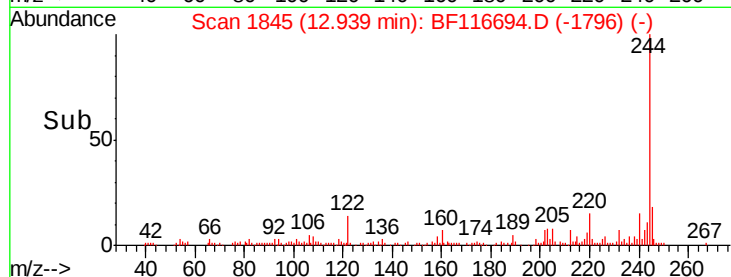
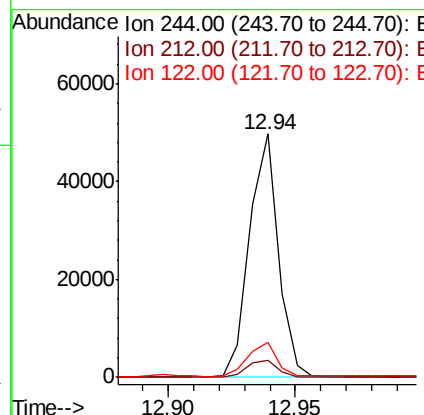
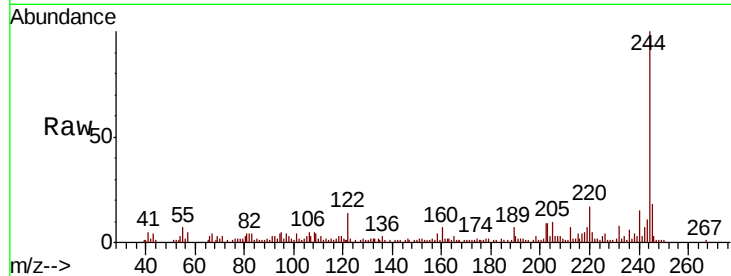
#79
 Terphenyl-d14
 Concen: 2.919 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116694.D
 Acq: 31 Aug 2019 12:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-4-20-22

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	14.5	10.2	15.4

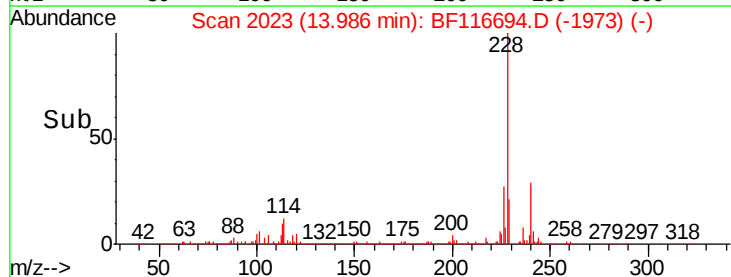
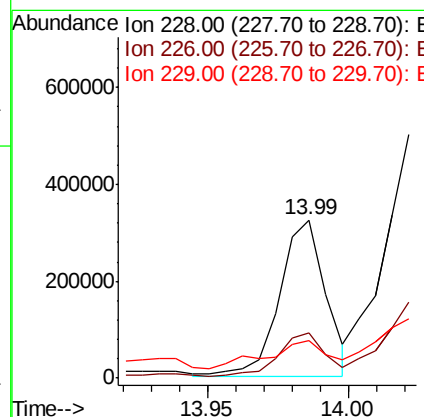
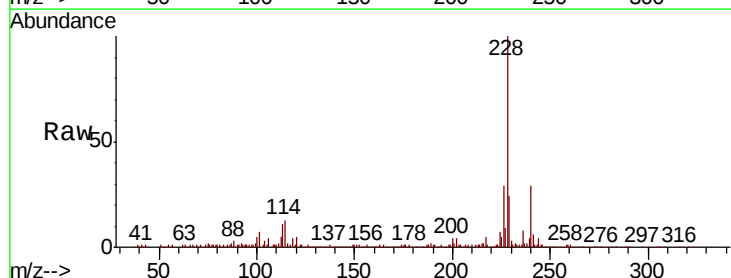
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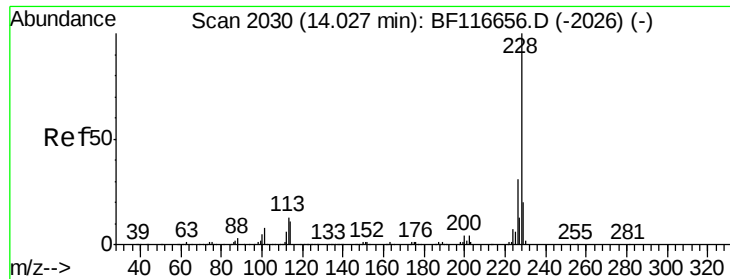
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#81
 Benzo(a)anthracene
 Concen: 22.929 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF116694.D
 Acq: 31 Aug 2019 12:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.0	33.0
229	23.6	16.4	24.6





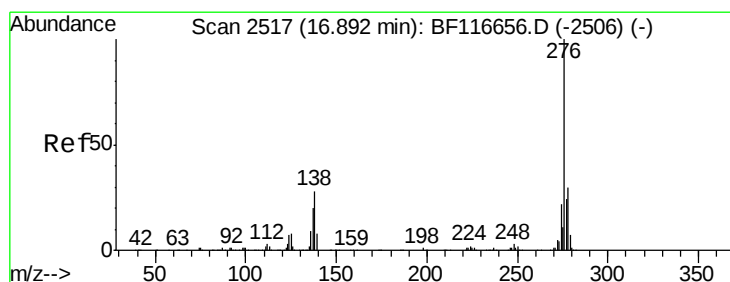
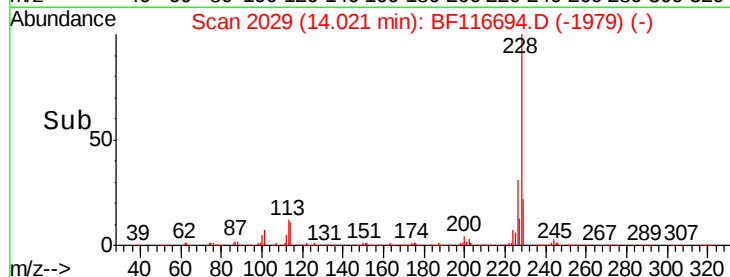
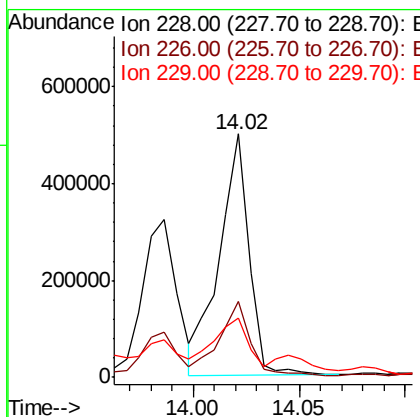
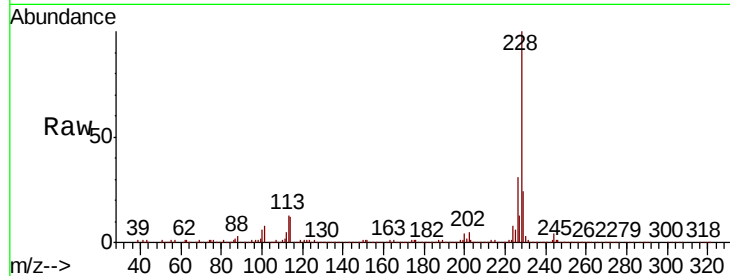
#83
Chrysene
Concen: 29.725 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Instrument :
BNA_F
ClientSampleId :
SB-4-20-22

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.0	36.0
229	24.1	15.4	23.0

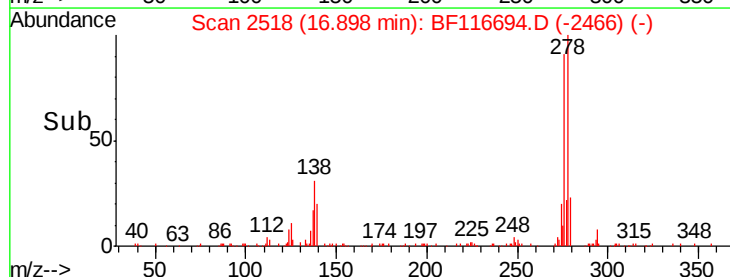
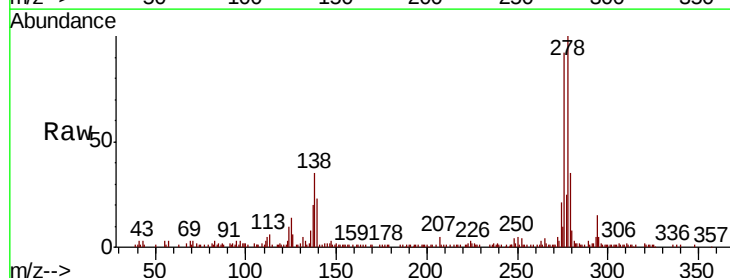
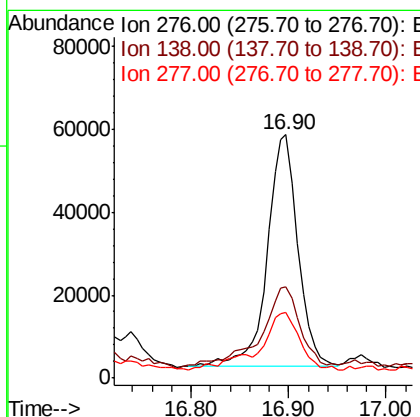
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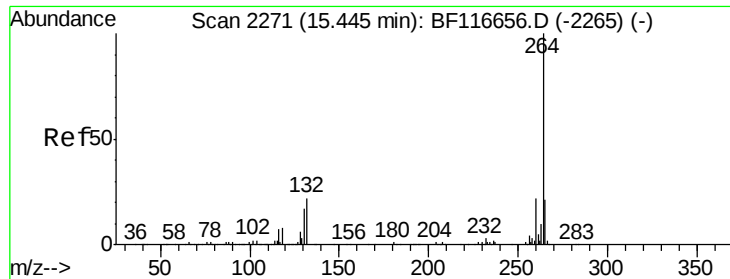
mohammad
9/5/2019 9:23:20 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 9.402 ng
RT: 16.90 min Scan# 2518
Delta R.T. 0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	47.3	19.4	29.2
277	32.2	20.5	30.7





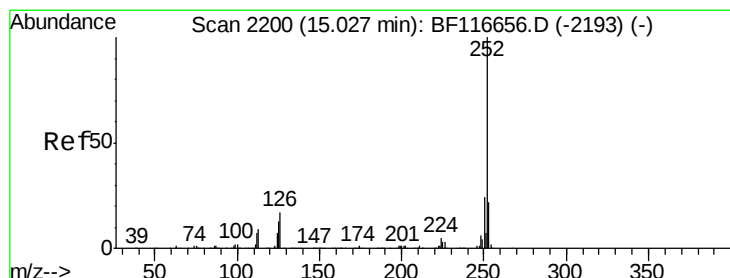
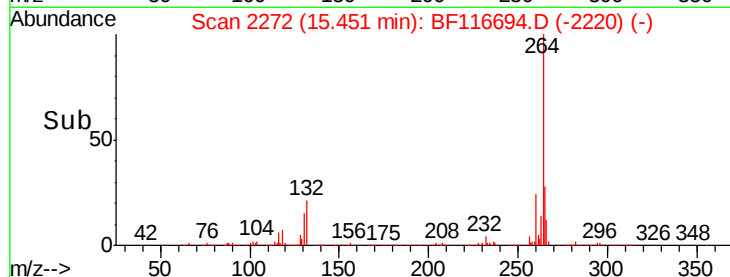
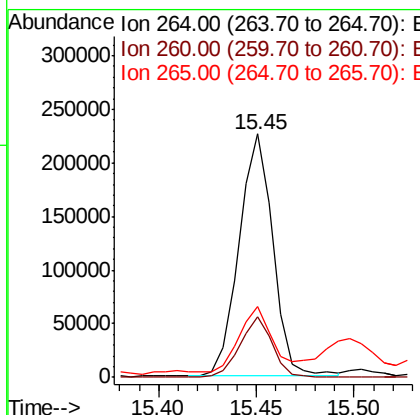
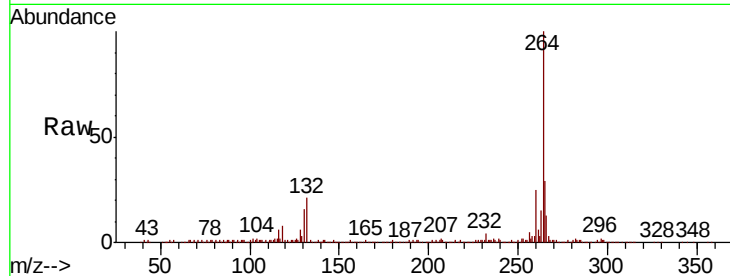
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Instrument :
BNA_F
ClientSampleId :
SB-4-20-22

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.3	27.5
265	29.3	16.5	24.7

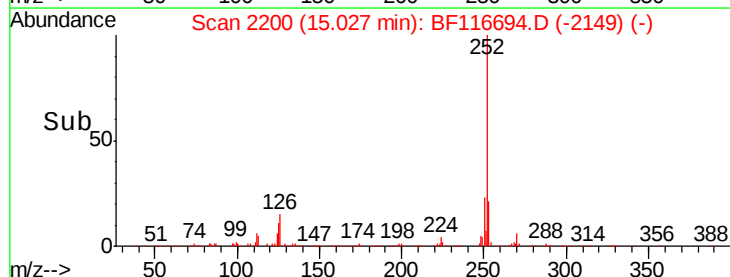
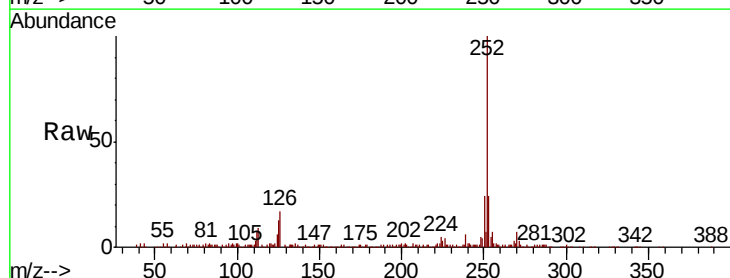
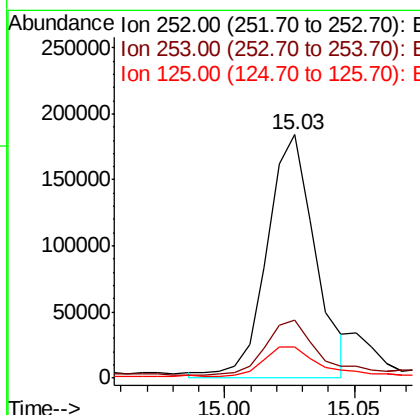
Manual Integrations
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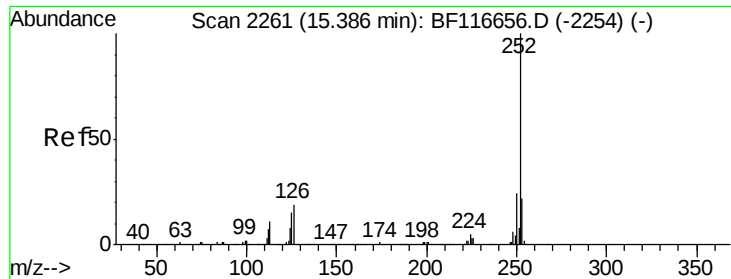
mohammad
9/5/2019 9:23:20 AM



#88
Benzo(b)fluoranthene
Concen: 14.473 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.7	26.5
125	12.6	8.2	12.2





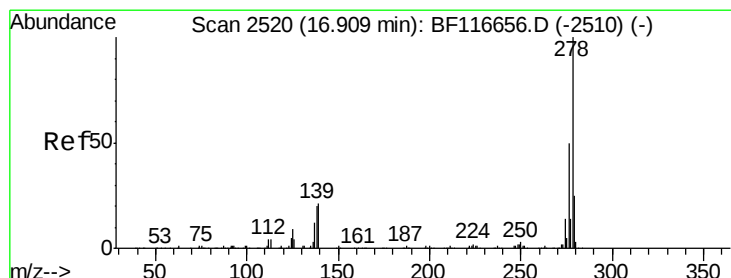
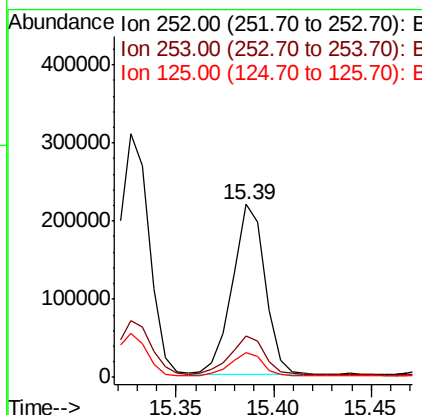
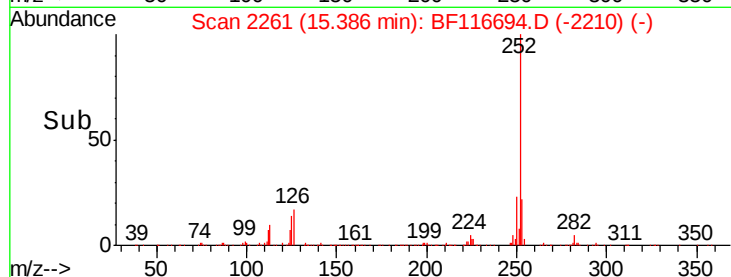
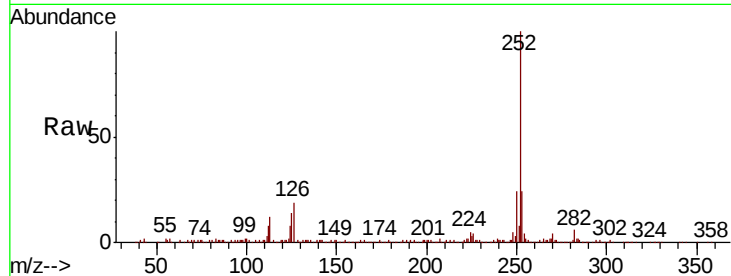
#90
Benzo(a)pyrene
Concen: 17.739 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Instrument :
BNA_F
ClientSampleId :
SB-4-20-22

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	14.3	9.8	14.8

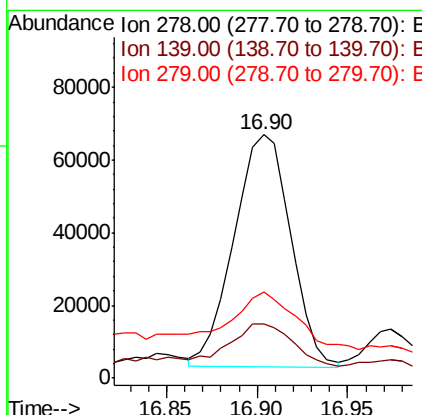
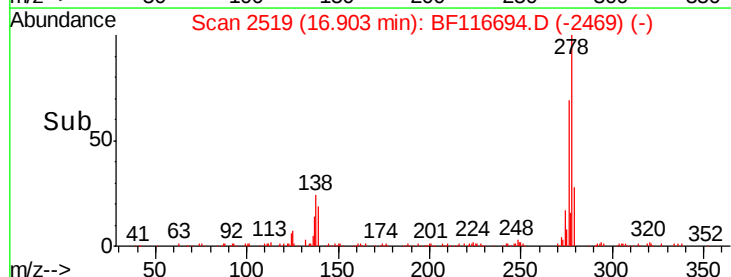
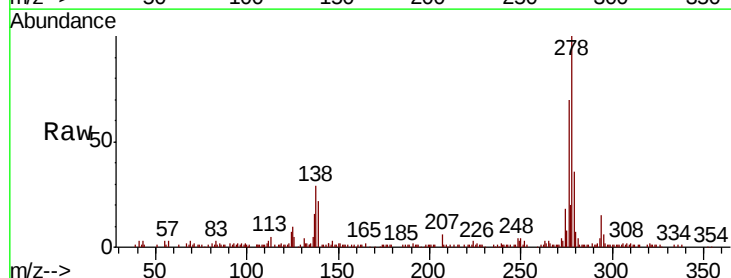
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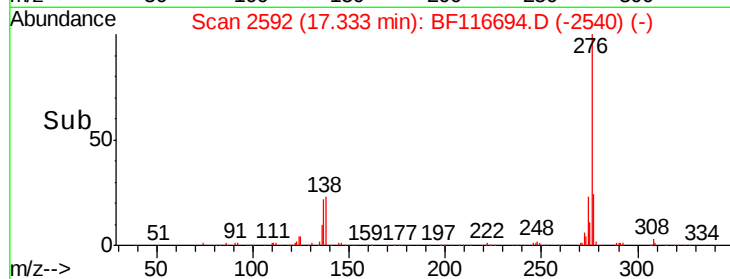
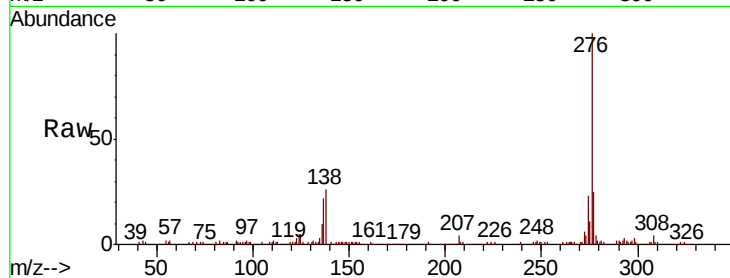
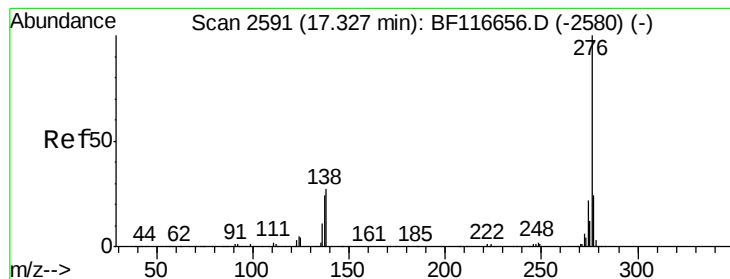
mohammad
9/5/2019 9:23:20 AM



#91
Dibenzo(a,h)anthracene
Concen: 11.083 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BF116694.D
Acq: 31 Aug 2019 12:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.2	12.4	18.6#
279	35.6	18.2	27.4#





#92

Benzo(a,h,i)perylene

Concen: 18.164 ng

RT: 17.33 min Scan# 2592

Delta R.T. 0.01 min

Lab File: BF116694.D

Acq: 31 Aug 2019 12:56

Instrument :

BNA_F

ClientSampleId :

SB-4-20-22

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.5	27.7
138	25.9	16.2	24.2

Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:20 AM

