

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
 Data File : BF117254.D
 Acq On : 25 Sep 2019 21:31
 Operator : JU
 Sample : K4657-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-092419

Manual Integrations
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Quant Time: Sep 26 04:07:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	34702	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	126513	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	55102	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	79144	20.00	ng	0.00
76) Chrysene-d12	13.97	240	62865	20.00	ng	0.00
87) Perylene-d12	15.43	264	55352	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	203568	91.59	ng	0.00
7) Phenol-d6	6.46	99	269464	93.81	ng	0.00
23) Nitrobenzene-d5	7.37	82	170641	70.87	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	37740	81.95	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	276296	78.40	ng	0.00
79) Terphenyl-d14	12.92	244	215864	64.18	ng	0.00
Target Compounds						
10) Phenol	6.47	94	8263	2.609	ng	82
49) Acenaphthylene	9.71	152	10688	2.092	ng	# 93
50) Dimethylphthalate	9.56	163	26797	6.868	ng	97
71) Phenanthrene	11.36	178	58982	13.121	ng	98
75) Fluoranthene	12.55	202	57370	12.421	ng	95
78) Pyrene	12.77	202	87867	16.658	ng	97
81) Benzo(a)anthracene	13.96	228	31198	7.428	ng	98
83) Chrysene	14.00	228	34953	8.533	ng	98
86) Indeno(1,2,3-cd)pyrene	16.89	276	11774	3.940	ng	# 92
88) Benzo(b)fluoranthene	15.01	252	30184m	9.002	ng	
89) Benzo(k)fluoranthene	15.03	252	11811m	3.719	ng	
90) Benzo(a)pyrene	15.37	252	24200	8.225	ng	# 89
92) Benzo(a,h,i)perylene	17.33	276	12262	5.250	ng	97

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

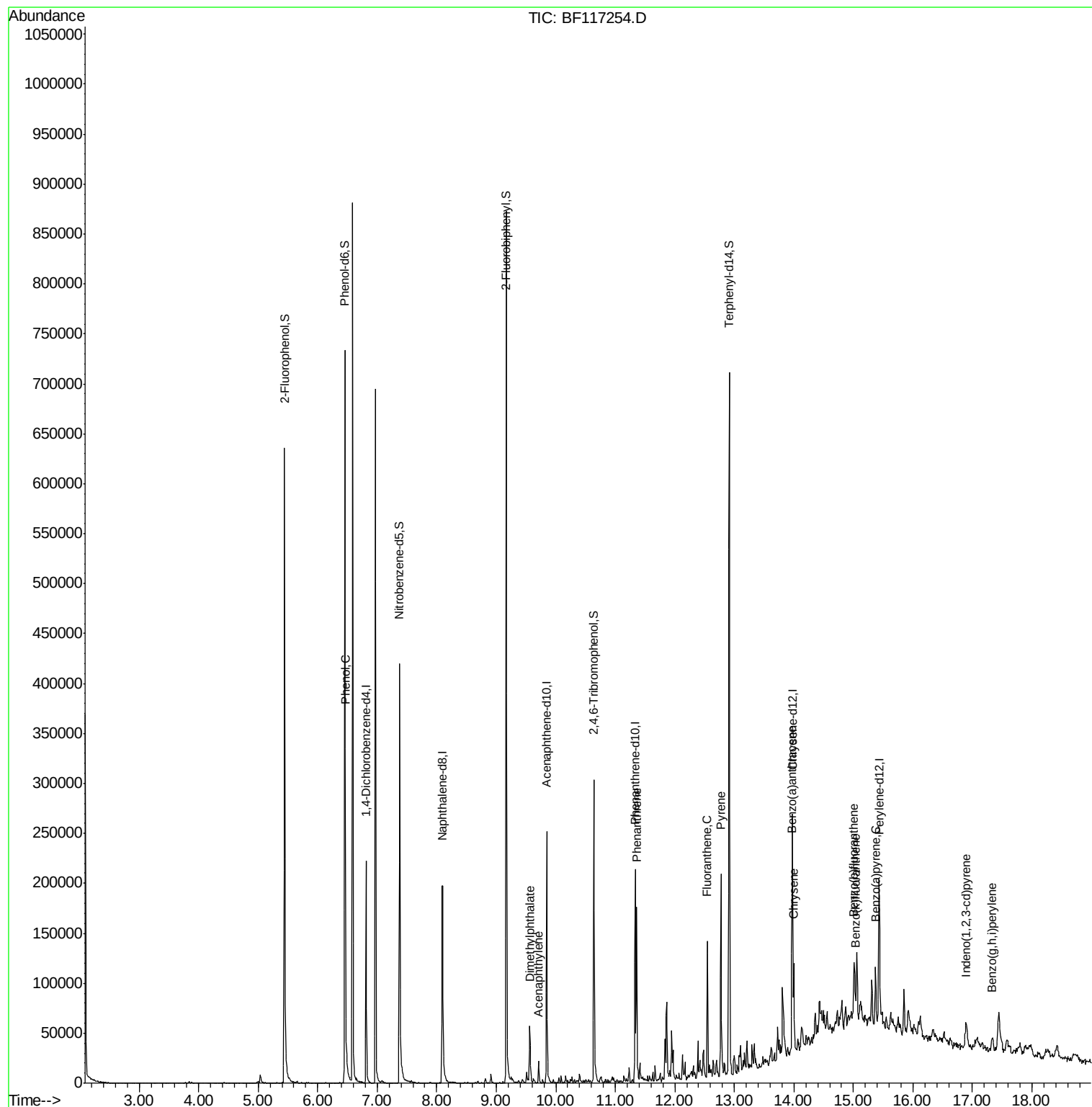
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
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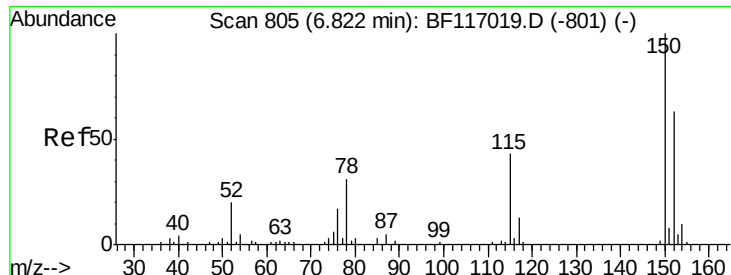
Instrument :
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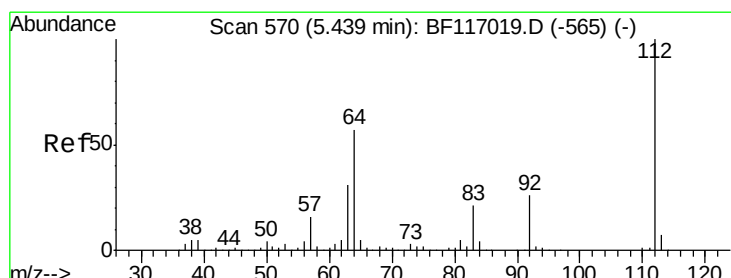
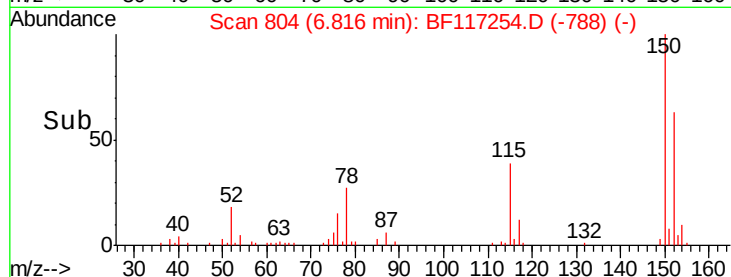
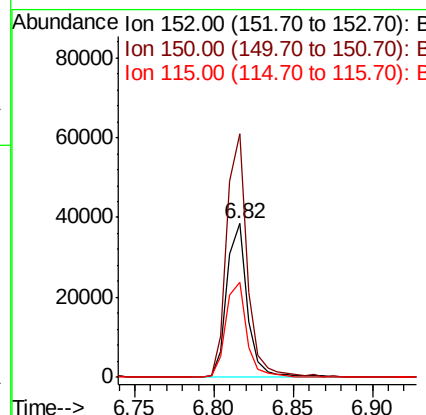
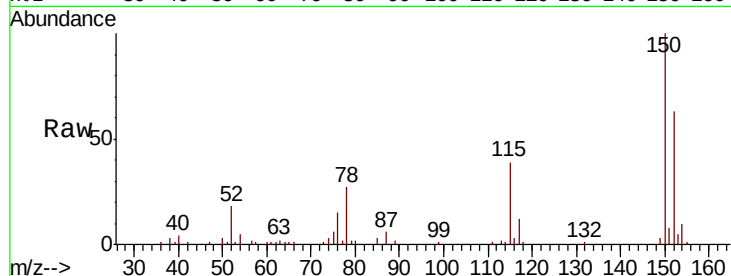
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF117254.D
 Acq: 25 Sep 2019 21:31

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-092419

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	127.5	191.3
115	61.6	55.0	82.4

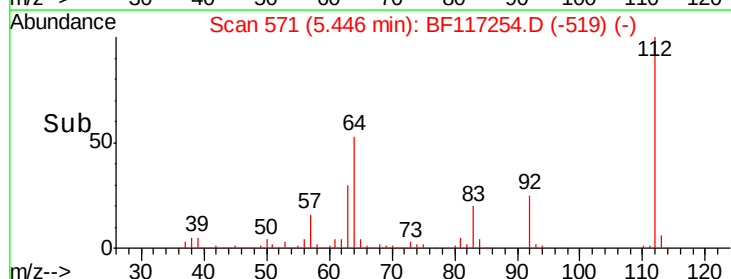
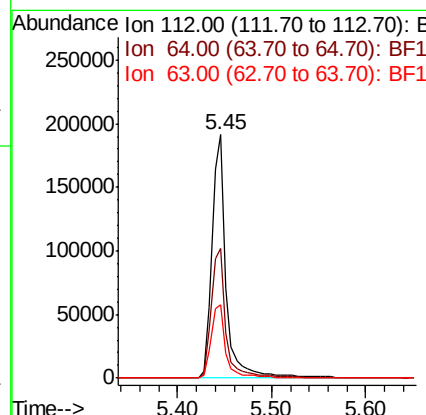
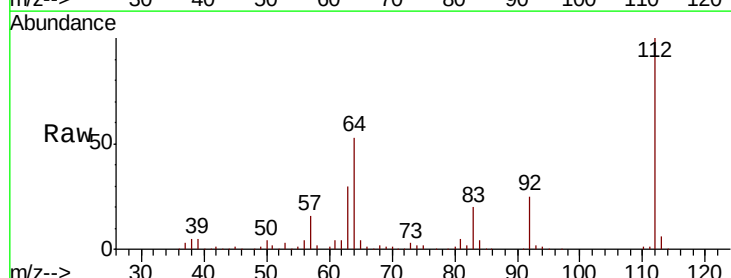
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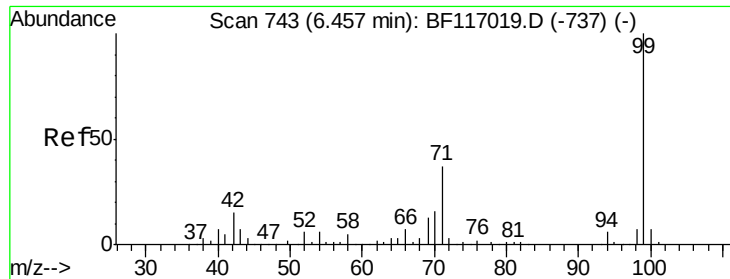
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#5
 2-Fluorophenol
 Concen: 91.586 ng
 RT: 5.45 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: BF117254.D
 Acq: 25 Sep 2019 21:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	45.7	68.5
63	30.2	24.9	37.3





#7

Phenol-d6

Concen: 93.807 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117254.D

Acq: 25 Sep 2019 21:31

Instrument :

BNA_F

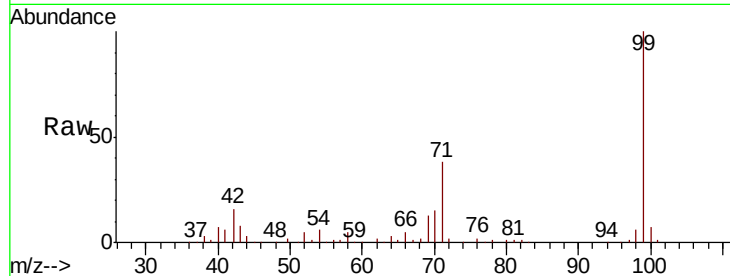
ClientSampleId :

BU-03-092419

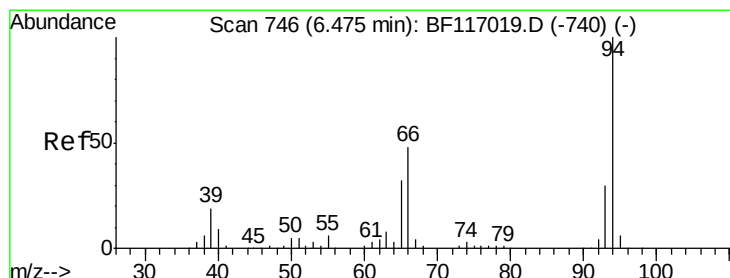
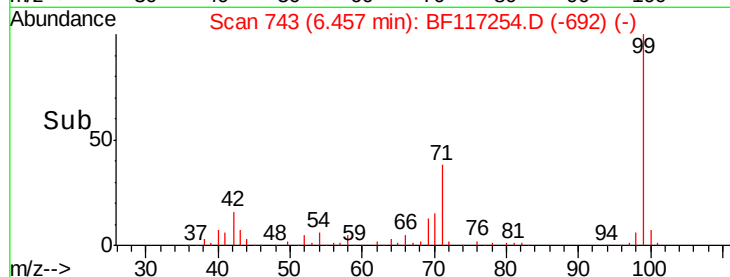
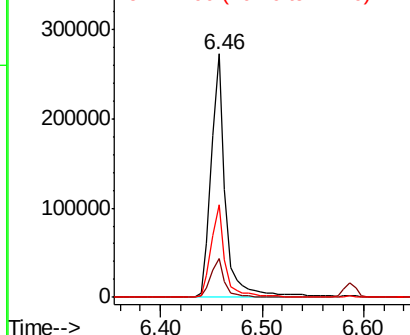
Tot Ion:	99	Resp:	269464
Ion	Ratio	Lower	Upper
99	100		
42	15.9	12.2	18.2
71	37.8	29.8	44.8

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.609 ng

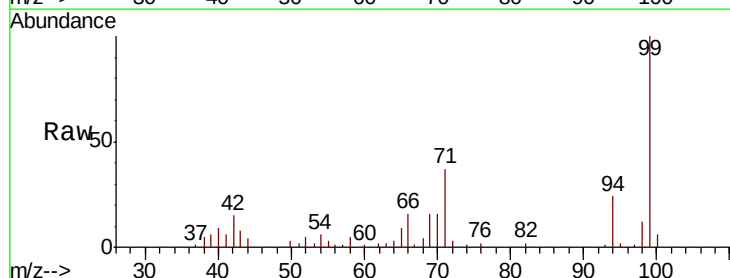
RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

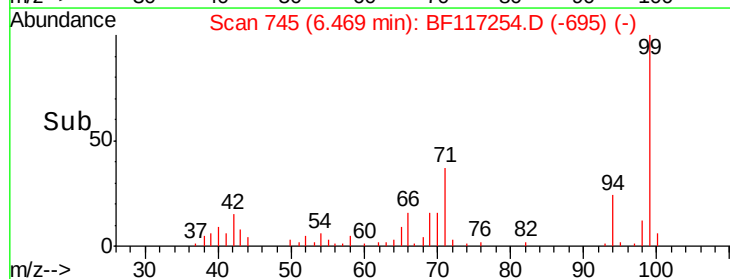
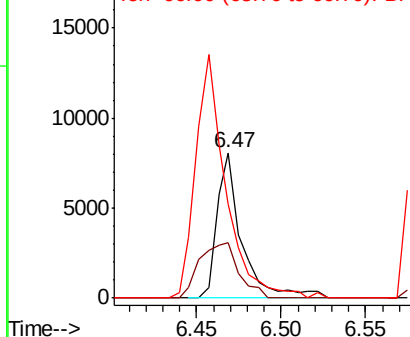
Lab File: BF117254.D

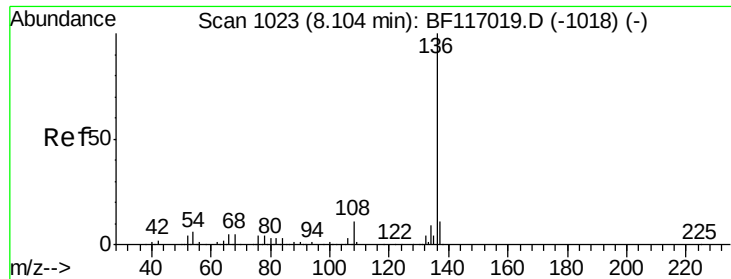
Acq: 25 Sep 2019 21:31

Tgt Ion:	94	Resp:	8263
Ion	Ratio	Lower	Upper
94	100		
65	38.3	12.5	52.5
66	64.9	28.9	68.9



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF117254.D

Acq: 25 Sep 2019 21:31

Instrument :

BNA_F

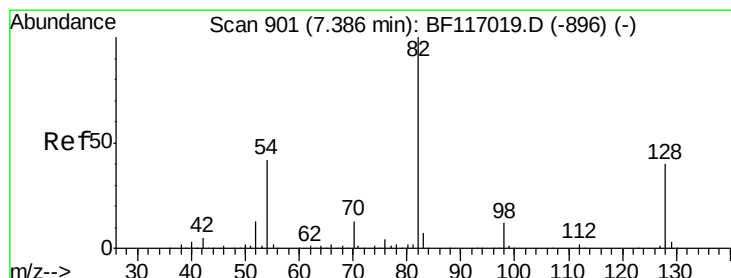
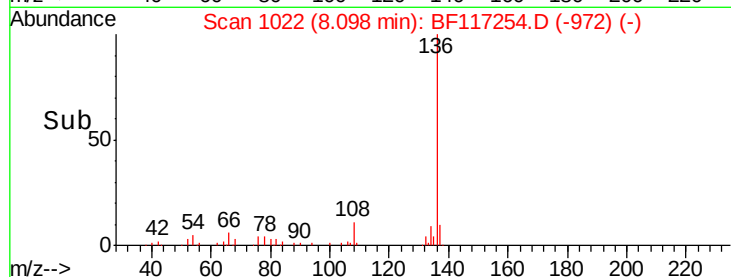
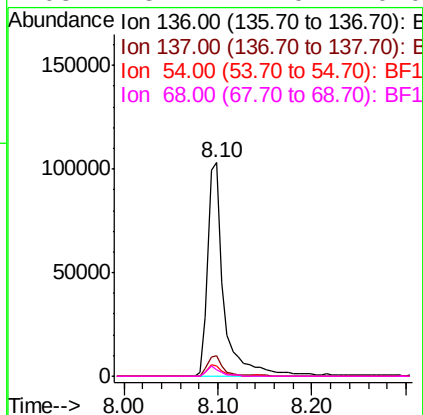
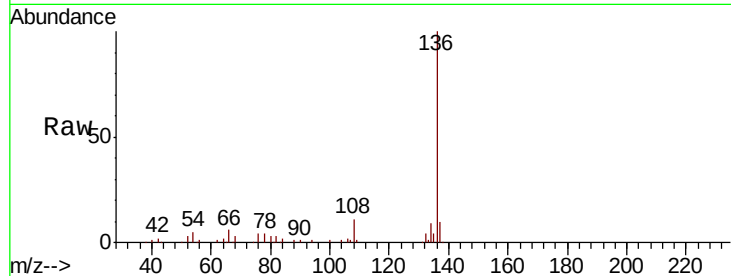
ClientSampleId :

BU-03-092419

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		126513		
137	9.7	9.0	13.4		
54	4.6	4.5	6.7		
68	3.2	4.0	6.0#		

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#23

Nitrobenzene-d5

Concen: 70.869 ng

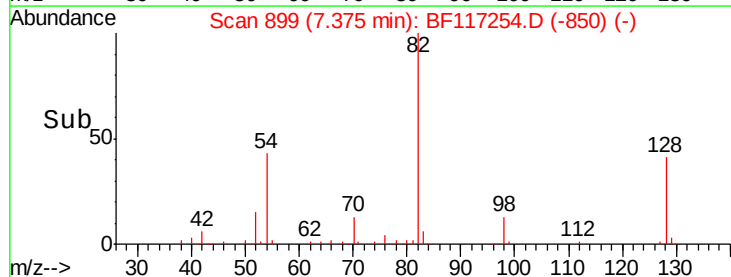
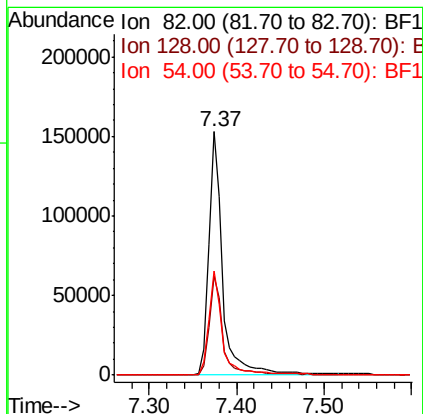
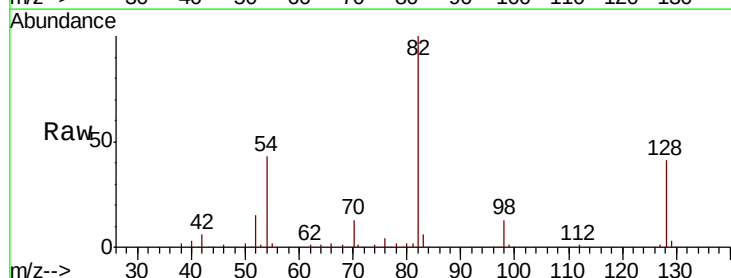
RT: 7.37 min Scan# 899

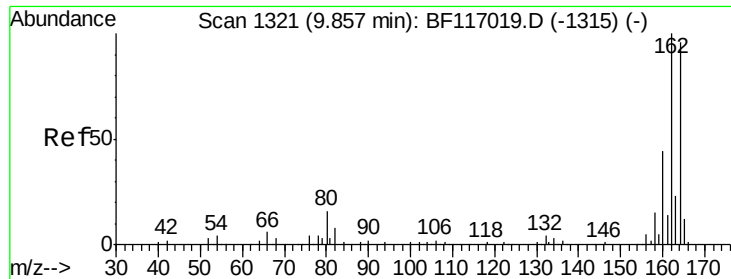
Delta R.T. -0.01 min

Lab File: BF117254.D

Acq: 25 Sep 2019 21:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		170641		
128	40.5	32.3	48.5		
54	42.9	33.3	49.9		





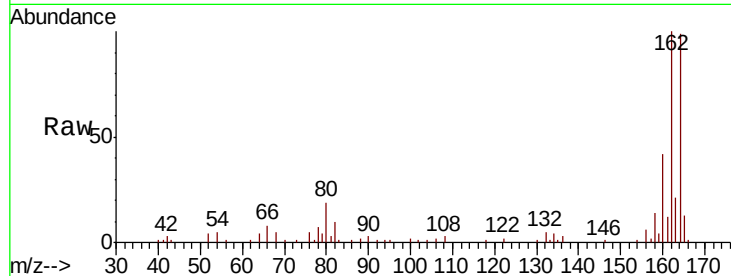
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117254.D
Acq: 25 Sep 2019 21:31

Instrument :
BNA_F
ClientSampleId :
BU-03-092419

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.2	83.4	125.2
160	42.6	36.4	54.6

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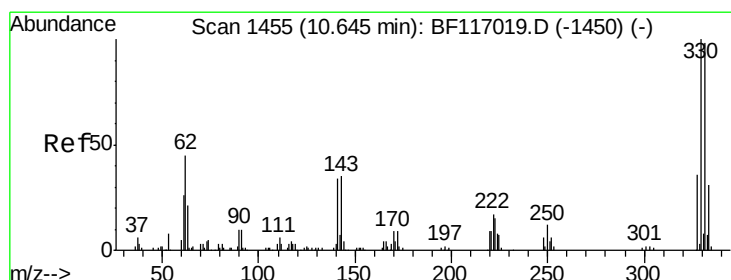
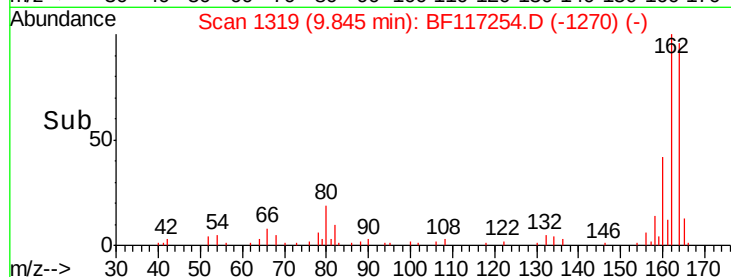
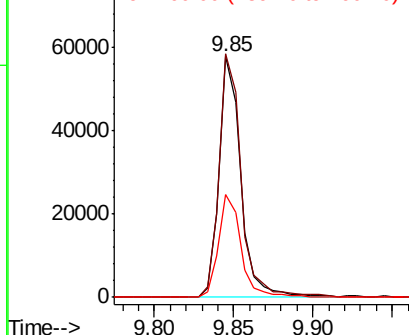


Abundance

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: 81.950 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117254.D
Acq: 25 Sep 2019 21:31

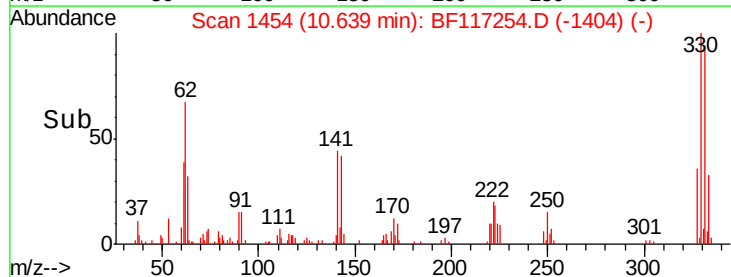
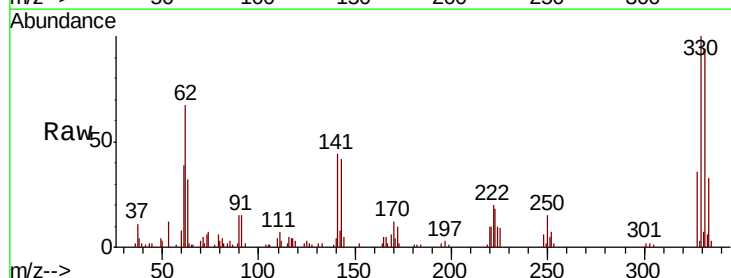
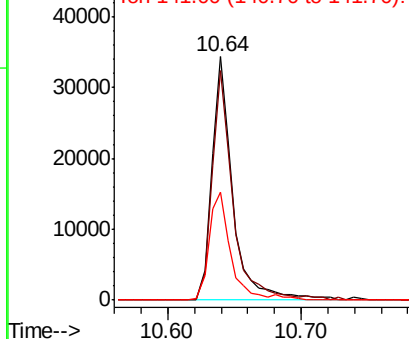
Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.3	78.0	117.0
141	46.5	35.8	53.6

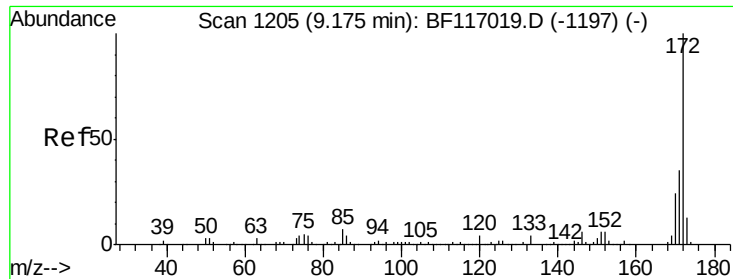
Abundance

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





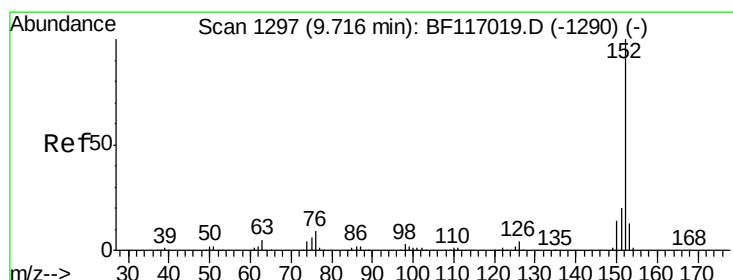
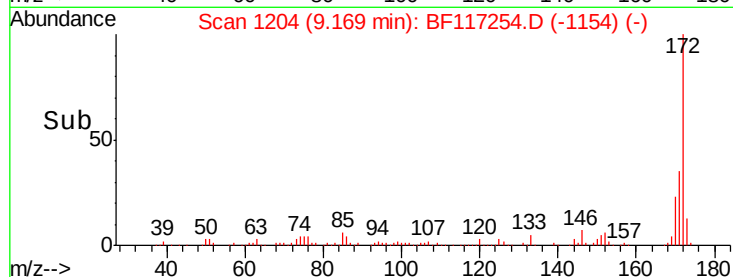
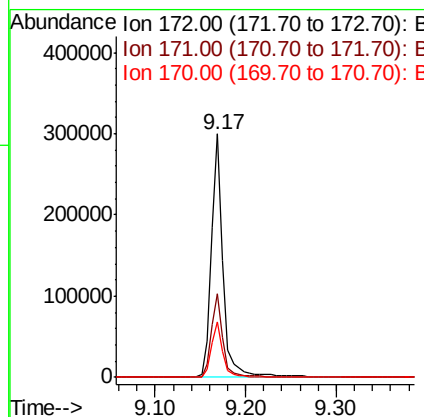
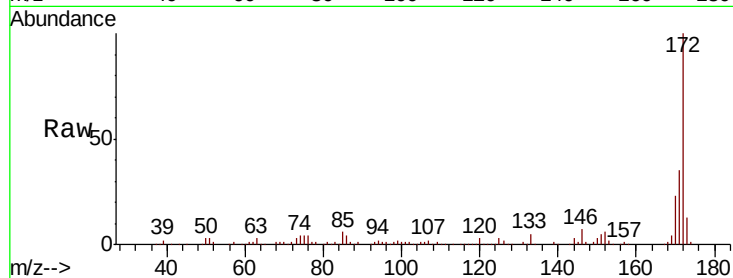
#45
2-Fluorobiphenyl
Concen: 78.402 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF117254.D
Acq: 25 Sep 2019 21:31

Instrument :
BNA_F
ClientSampleId :
BU-03-092419

Tot Ion	Ratio	Resp	Lower	Upper
172	100	276296		
171	34.6		28.2	42.2
170	22.7		18.9	28.3

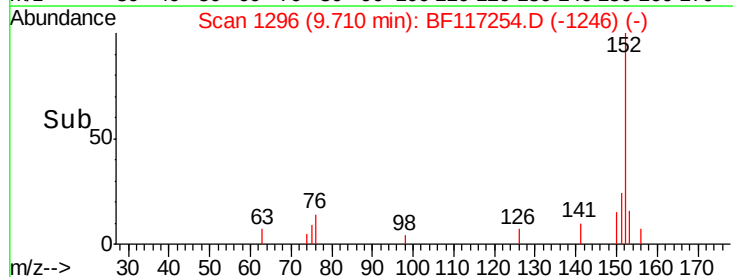
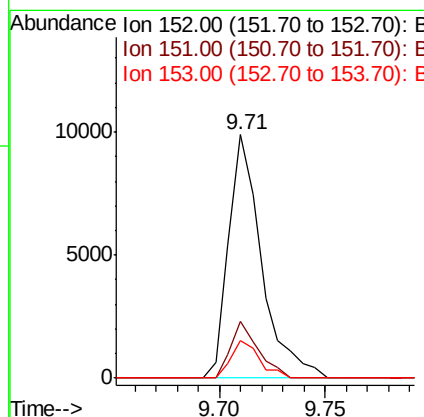
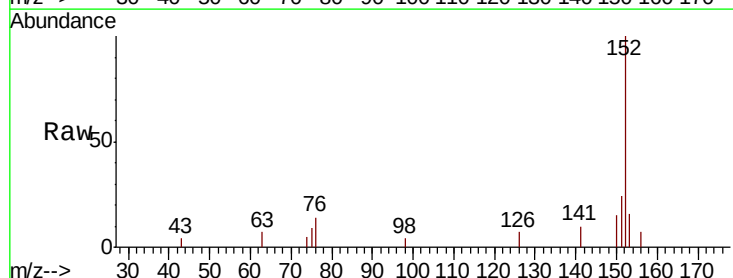
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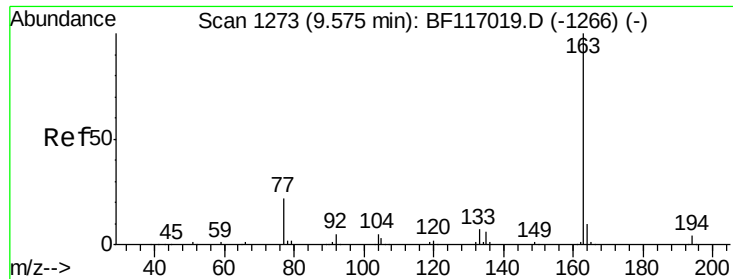
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#49
Acenaphthylene
Concen: 2.092 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF117254.D
Acq: 25 Sep 2019 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	10688		
151	23.5		16.2	24.2
153	15.6		10.2	15.4





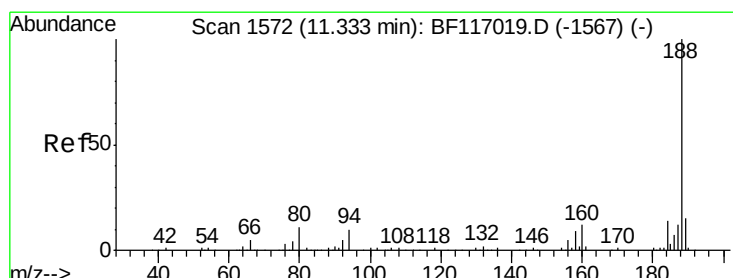
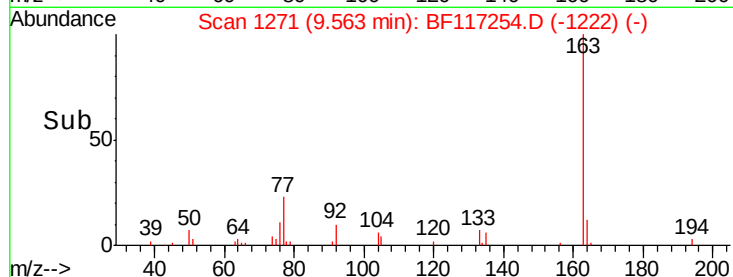
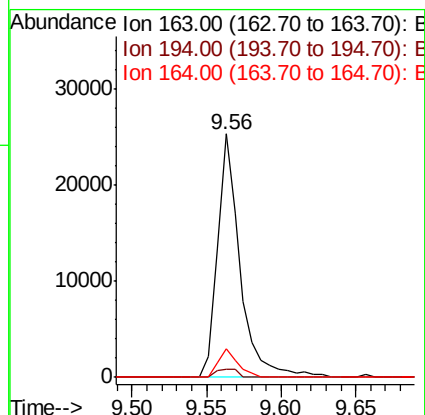
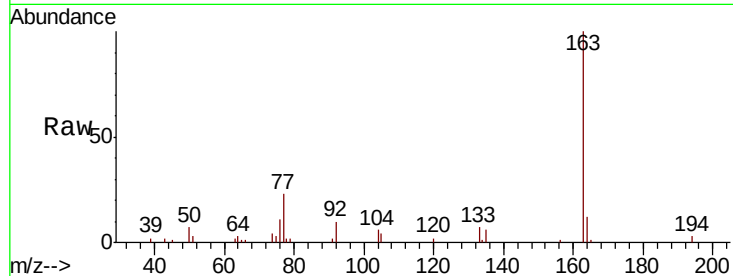
#50
Dimethylphthalate
Concen: 6.868 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117254.D
Acq: 25 Sep 2019 21:31

Instrument :
BNA_F
ClientSampleId :
BU-03-092419

Tot Ion:	163	Resp:	26797
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.9	4.3
164	11.8	8.2	12.4

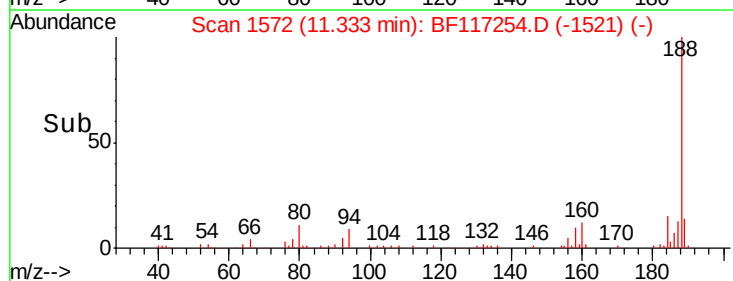
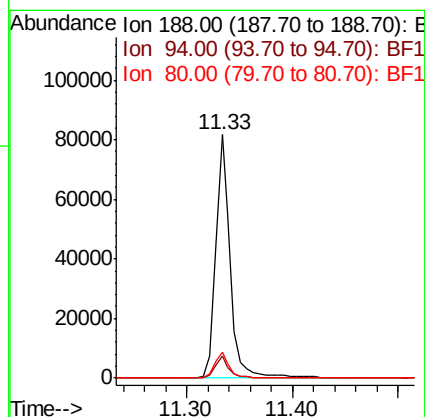
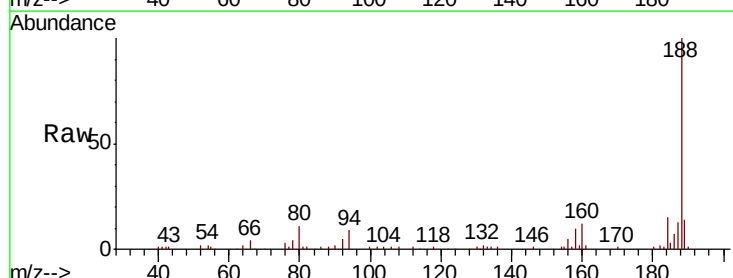
Manual Integrations
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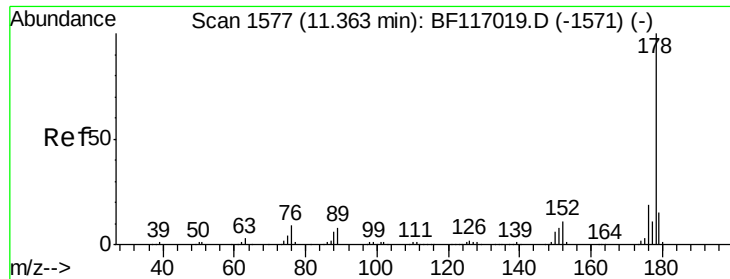
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117254.D
Acq: 25 Sep 2019 21:31

Tgt Ion:	188	Resp:	79144
Ion Ratio	Lower	Upper	
188	100		
94	9.1	8.2	12.2
80	10.6	9.0	13.6





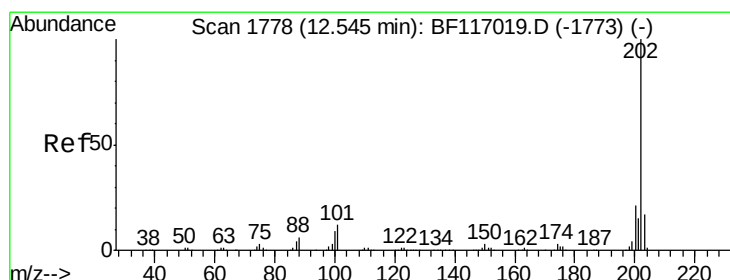
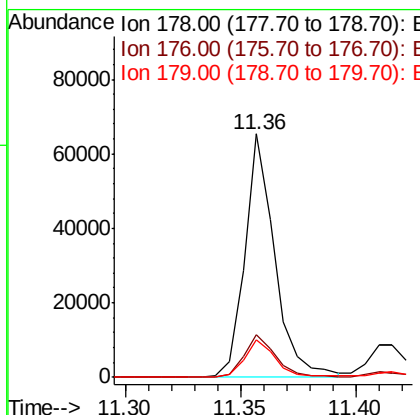
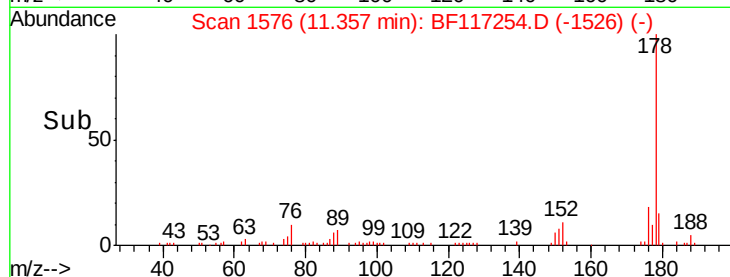
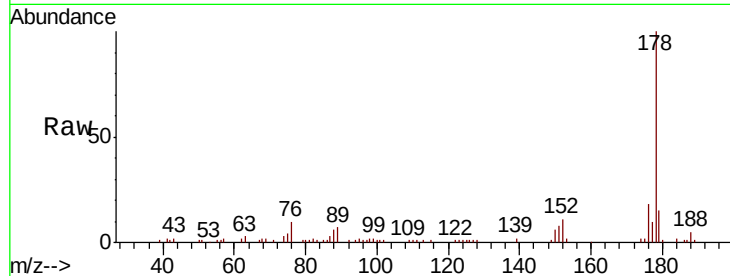
#71
Phenanthrene
Concen: 13.121 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117254.D
Acq: 25 Sep 2019 21:31

Instrument :
BNA_F
ClientSampleId :
BU-03-092419

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	15.3	12.4	18.6

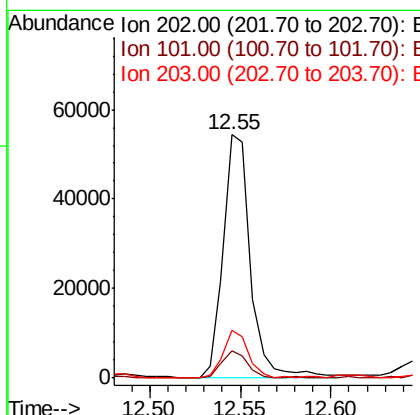
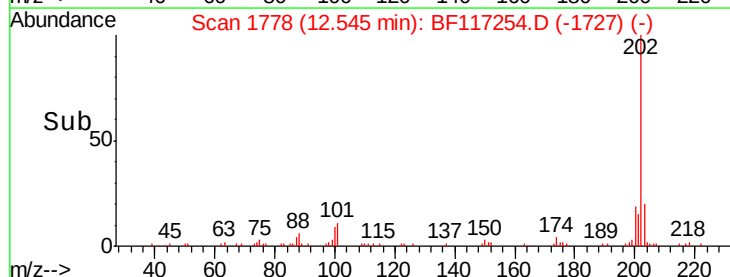
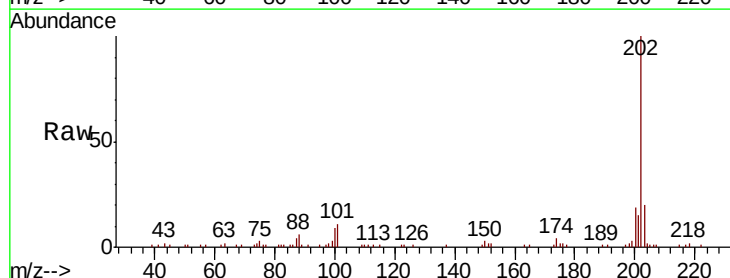
Manual Integrations
APPROVED

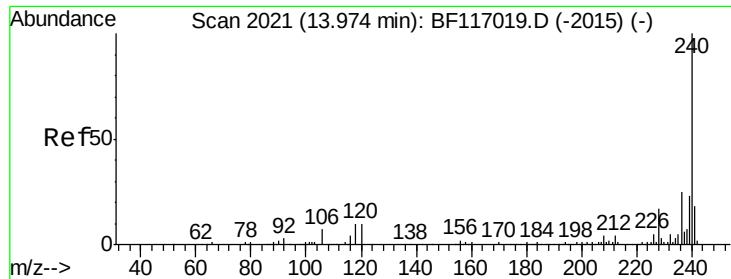
mohammad
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#75
Fluoranthene
Concen: 12.421 ng
RT: 12.55 min Scan# 1778
Delta R.T. 0.00 min
Lab File: BF117254.D
Acq: 25 Sep 2019 21:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	32.3
203	19.7	0.0	37.1





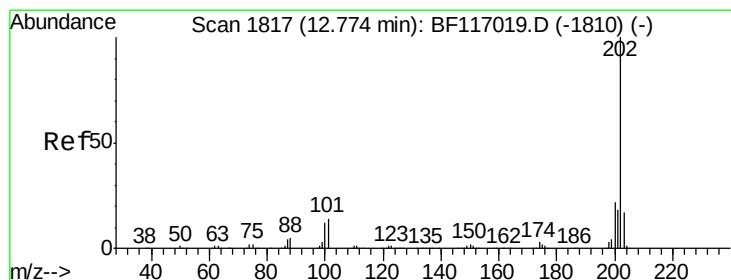
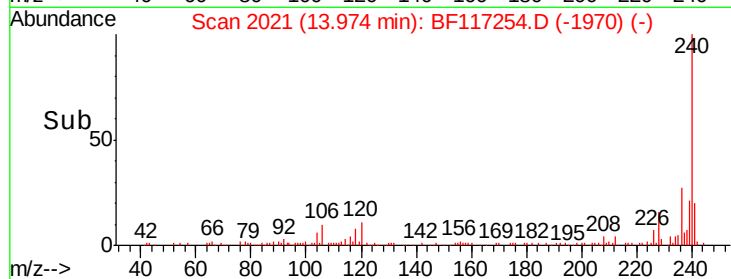
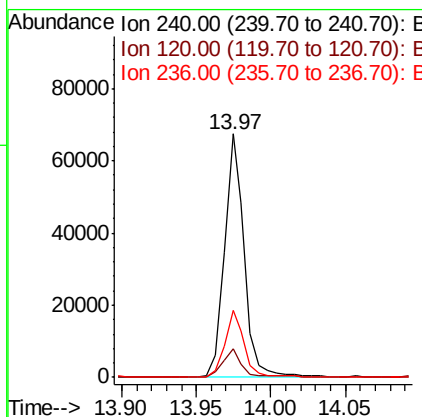
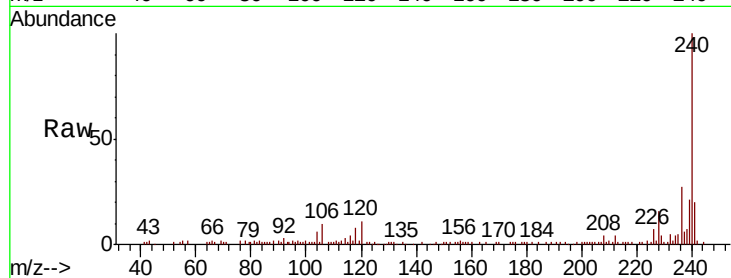
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117254.D
Acq: 25 Sep 2019 21:31

Instrument :
BNA_F
ClientSampleId :
BU-03-092419

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.3	12.5
236	27.3	20.3	30.5

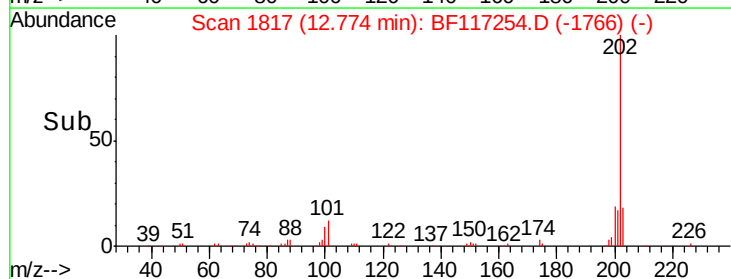
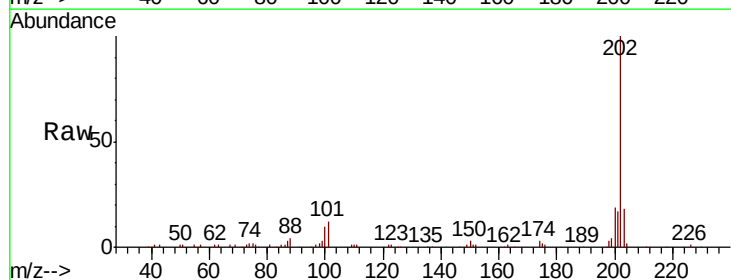
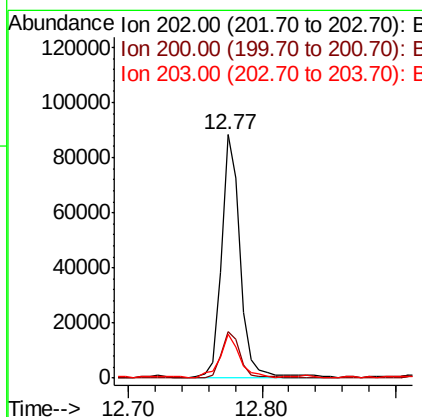
Manual Integrations
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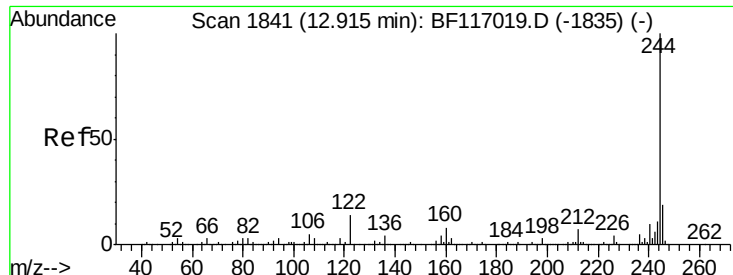
mohammad
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#78
Pyrene
Concen: 16.658 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF117254.D
Acq: 25 Sep 2019 21:31

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.1	17.2	25.8
203	18.0	14.0	21.0





#79

Terphenyl-d14

Concen: 64.185 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117254.D

Acq: 25 Sep 2019 21:31

Instrument :

BNA_F

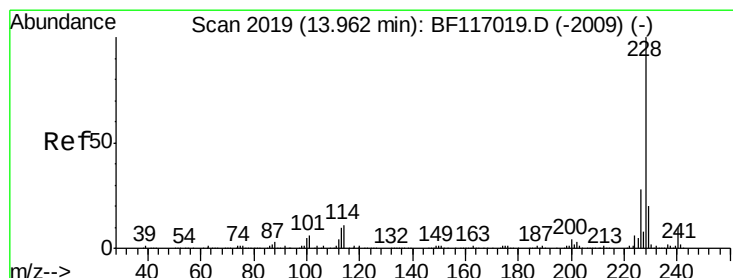
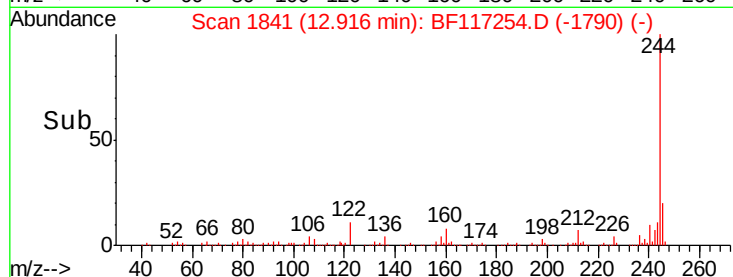
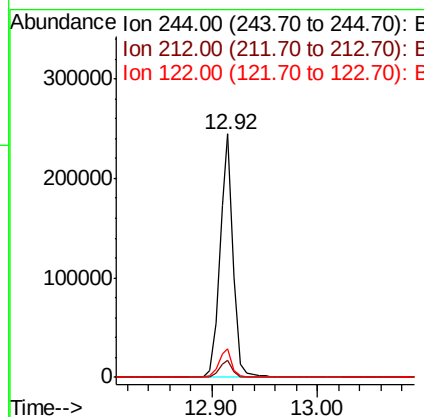
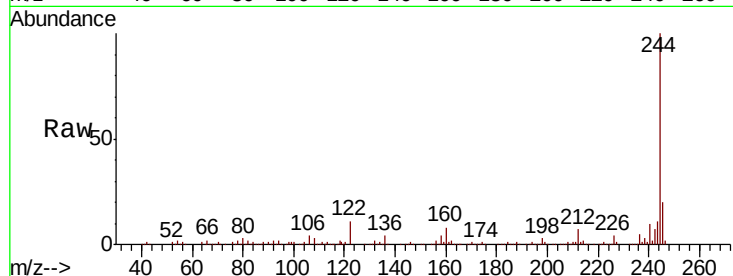
ClientSampleId :

BU-03-092419

Tot Ion:	244	Resp:	215864
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.8	8.8
122	11.5	11.3	16.9

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#81

Benzo(a)anthracene

Concen: 7.428 ng

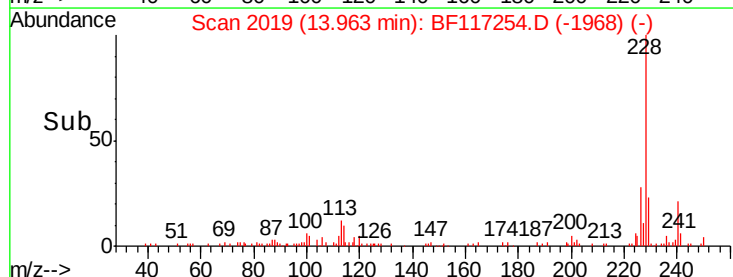
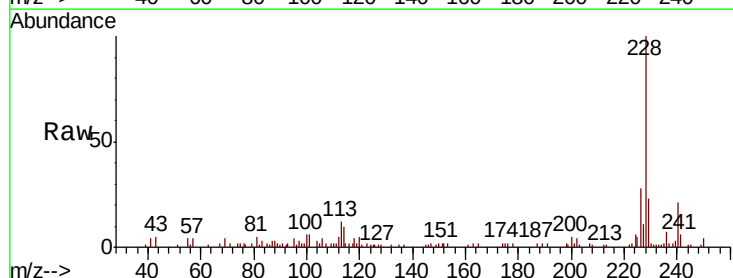
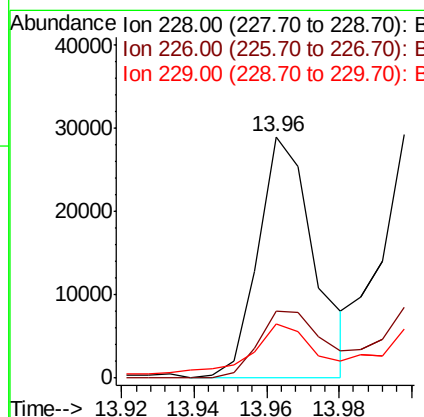
RT: 13.96 min Scan# 2019

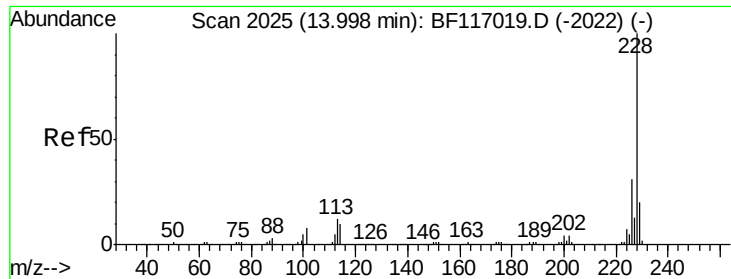
Delta R.T. 0.00 min

Lab File: BF117254.D

Acq: 25 Sep 2019 21:31

Tgt Ion:	228	Resp:	31198
Ion Ratio	Lower	Upper	
228	100		
226	27.9	22.3	33.5
229	22.6	15.9	23.9





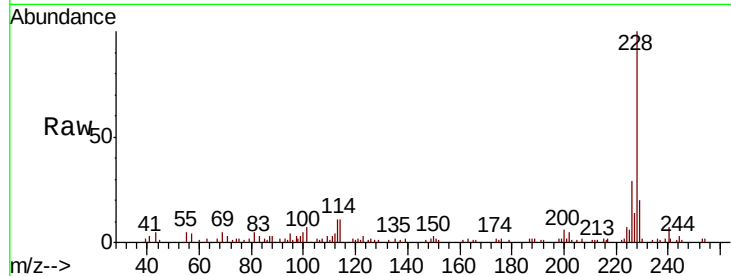
#83
Chrysene
Concen: 8.533 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF117254.D
Acq: 25 Sep 2019 21:31

Instrument :
BNA_F
ClientSampleId :
BU-03-092419

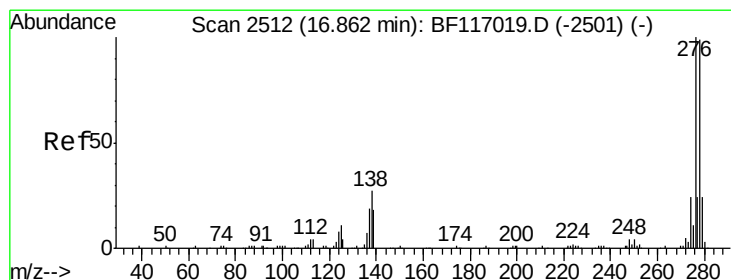
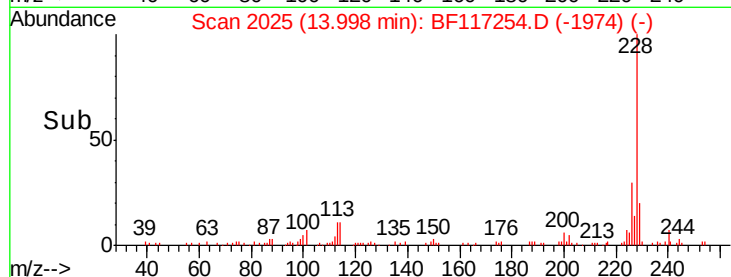
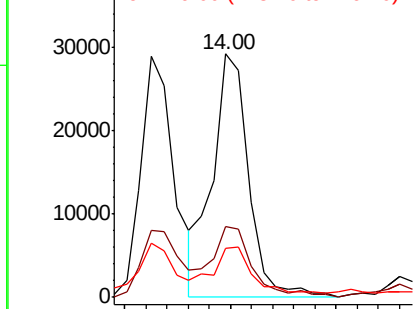
Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	29.3	24.8	37.2		
229	20.0	15.8	23.8		

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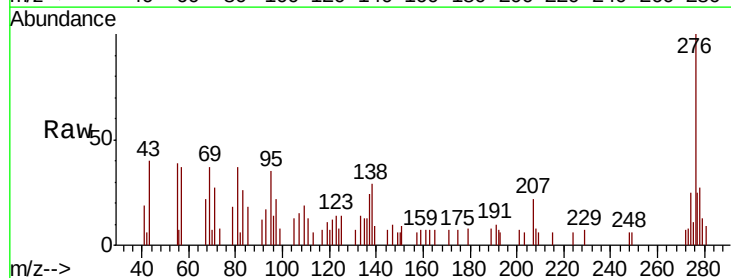


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

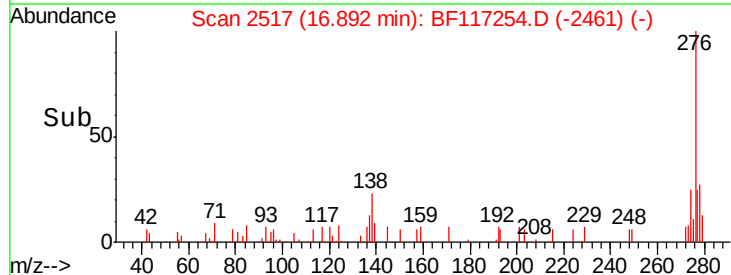
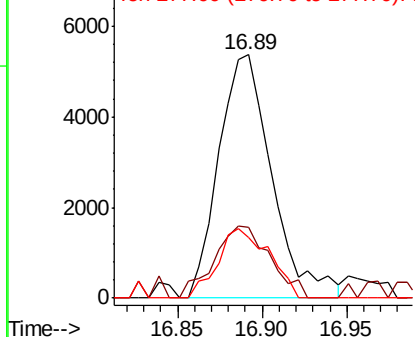


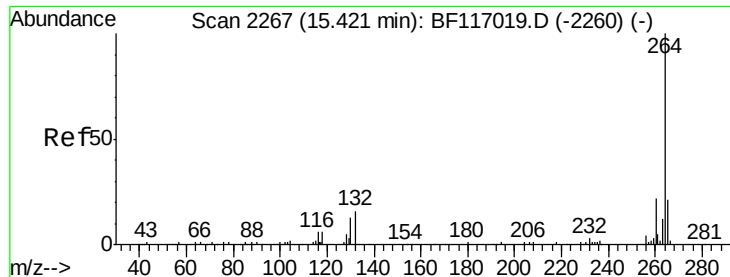
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.940 ng
RT: 16.89 min Scan# 2517
Delta R.T. 0.03 min
Lab File: BF117254.D
Acq: 25 Sep 2019 21:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	31.3	20.7	31.1#		
277	27.7	19.8	29.8		



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





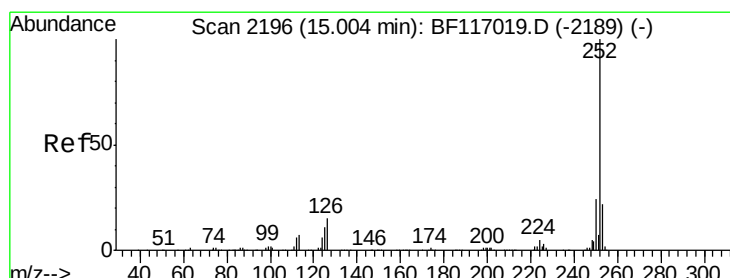
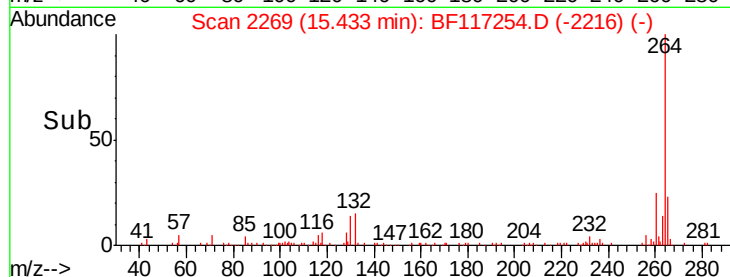
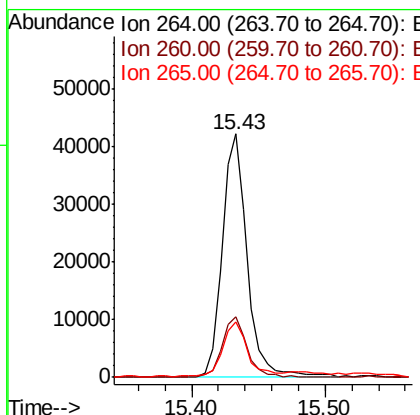
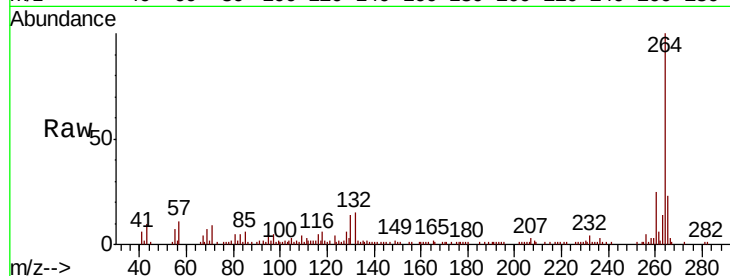
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF117254.D
Acq: 25 Sep 2019 21:31

Instrument :
BNA_F
ClientSampleId :
BU-03-092419

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	17.6	26.4
265	22.8	16.6	24.8

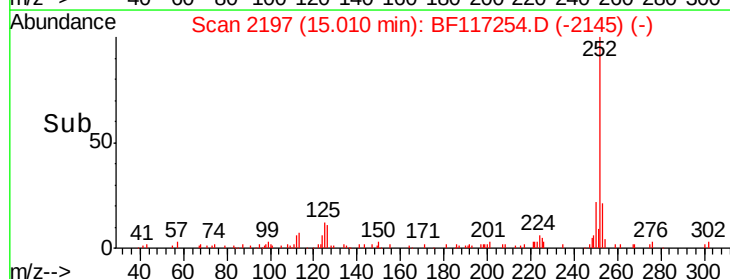
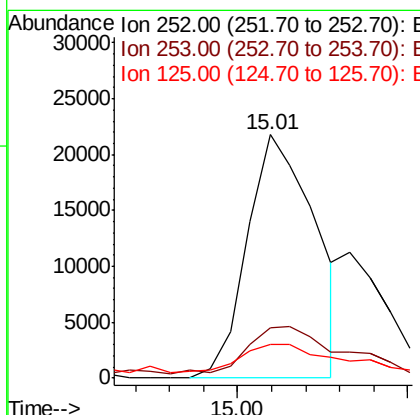
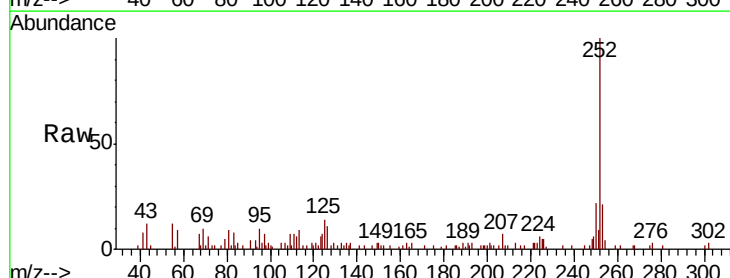
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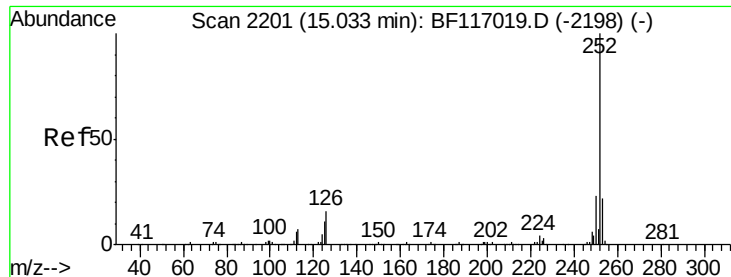
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#88
Benzo(b)fluoranthene
Concen: 9.002 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF117254.D
Acq: 25 Sep 2019 21:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.6	26.4
125	14.0	8.6	12.8#





#89

Benzo(k)fluoranthene

Concen: 3.719 ng/mL

RT: 15.03 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BF117254.D

Acq: 25 Sep 2019 21:31

Instrument :

BNA_F

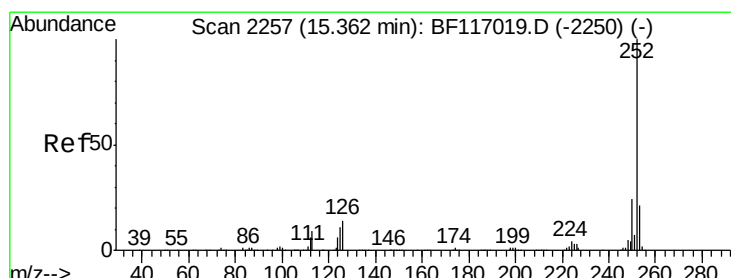
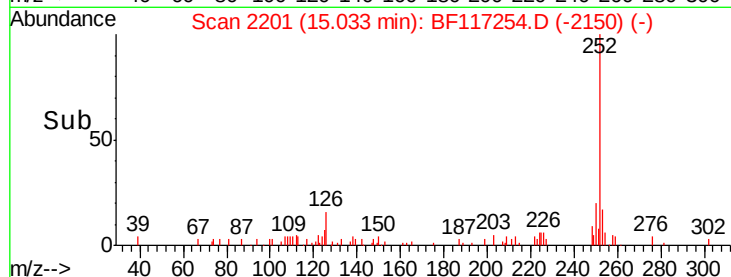
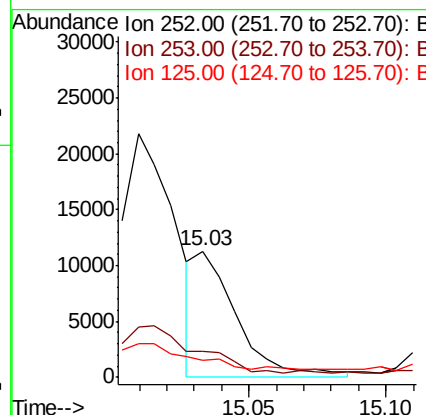
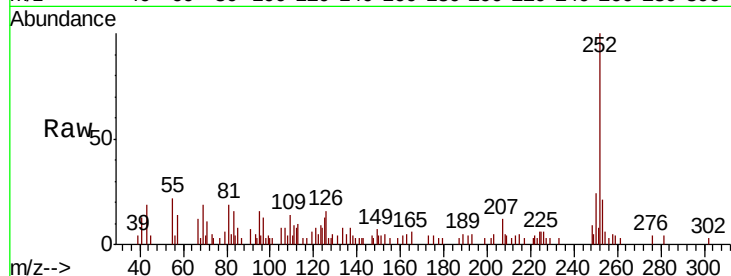
ClientSampleId :

BU-03-092419

Tot Ion:	252	Resp:	11811
Ion Ratio	Lower	Upper	
252	100		
253	20.5	17.4	26.2
125	13.0	8.8	13.2

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#90

Benzo(a)pyrene

Concen: 8.225 ng/mL

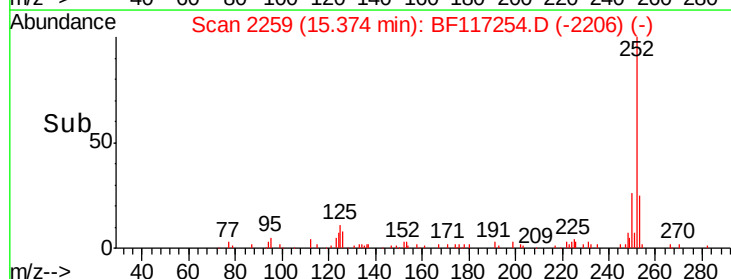
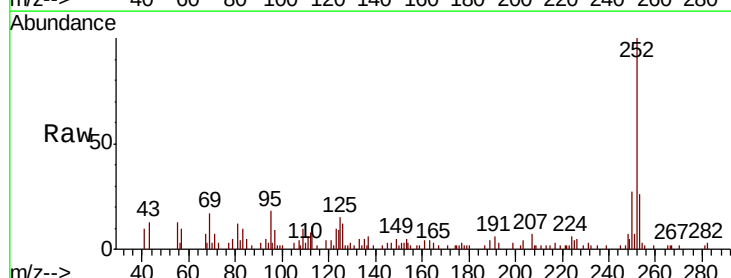
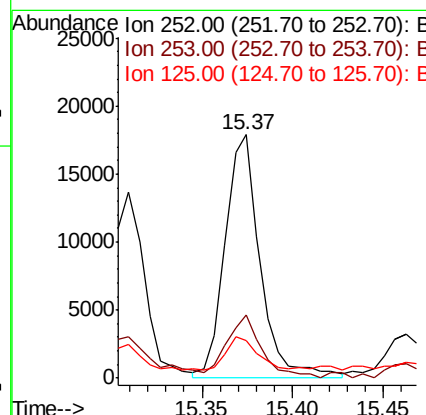
RT: 15.37 min Scan# 2259

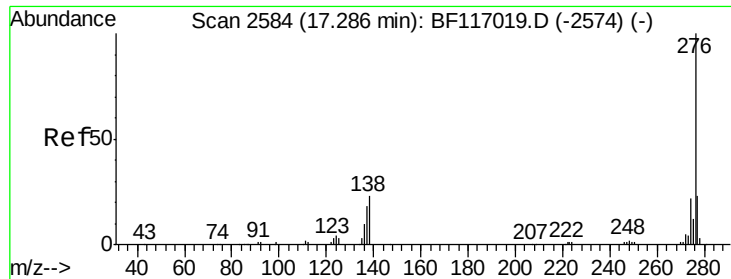
Delta R.T. 0.01 min

Lab File: BF117254.D

Acq: 25 Sep 2019 21:31

Tgt Ion:	252	Resp:	24200
Ion Ratio	Lower	Upper	
252	100		
253	25.9	16.6	25.0#
125	15.2	8.9	13.3#





#92
 Benzo(a,h,i)perylene
 Concen: 5.250 ng
 RT: 17.33 min Scan# 2592
 Delta R.T. 0.05 min
 Lab File: BF117254.D
 Acq: 25 Sep 2019 21:31

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-092419

Tot Ion:	276	Resp:	12262
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.6	27.8
138	24.6	18.0	27.0

Manual Integrations
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