

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
 Data File : BF116854.D
 Acq On : 6 Sep 2019 10:31
 Operator : HP/JU
 Sample : K4650-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

mohammad
 9/12/2019 9:11:22 AM

Quant Time: Sep 07 03:59:30 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	77304	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	307283	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	159080	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	265381	20.00	ng	0.00
76) Chrysene-d12	14.00	240	168654	20.00	ng	0.00
87) Perylene-d12	15.46	264	174504	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	621405	130.23	ng	0.01
7) Phenol-d6	6.49	99	856512	136.70	ng	0.00
23) Nitrobenzene-d5	7.40	82	546101	101.46	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	173250	162.91	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	830252	88.04	ng	0.00
79) Terphenyl-d14	12.95	244	758532	83.20	ng	0.00
Target Compounds						
10) Phenol	6.49	94	18270	2.633	ng	Qvalue # 66
49) Acenaphthylene	9.74	152	64970	4.495	ng	100
50) Dimethylphthalate	9.59	163	168051	15.301	ng	96
58) Fluorene	10.43	166	40190	4.213	ng	99
71) Phenanthrene	11.39	178	640839	43.380	ng	99
72) Anthracene	11.44	178	118056	7.939	ng	99
73) Carbazole	11.59	167	42363	2.991	ng	100
75) Fluoranthene	12.58	202	812324	55.953	ng	99
78) Pyrene	12.81	202	629112	41.963	ng	99
81) Benzo(a)anthracene	13.99	228	287052m	26.892	ng	
83) Chrysene	14.03	228	252648	22.974	ng	97
86) Indeno(1,2,3-cd)pyrene	16.92	276	134612	15.240	ng	98
88) Benzo(b)fluoranthene	15.04	252	303108m	28.730	ng	
89) Benzo(k)fluoranthene	15.06	252	102151m	10.619	ng	
90) Benzo(a)pyrene	15.40	252	202492	22.061	ng	99
91) Dibenzo(a,h)anthracene	16.93	278	35537	4.423	ng	# 87
92) Benzo(a,h,i)perylene	17.36	276	117438	14.332	ng	96

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

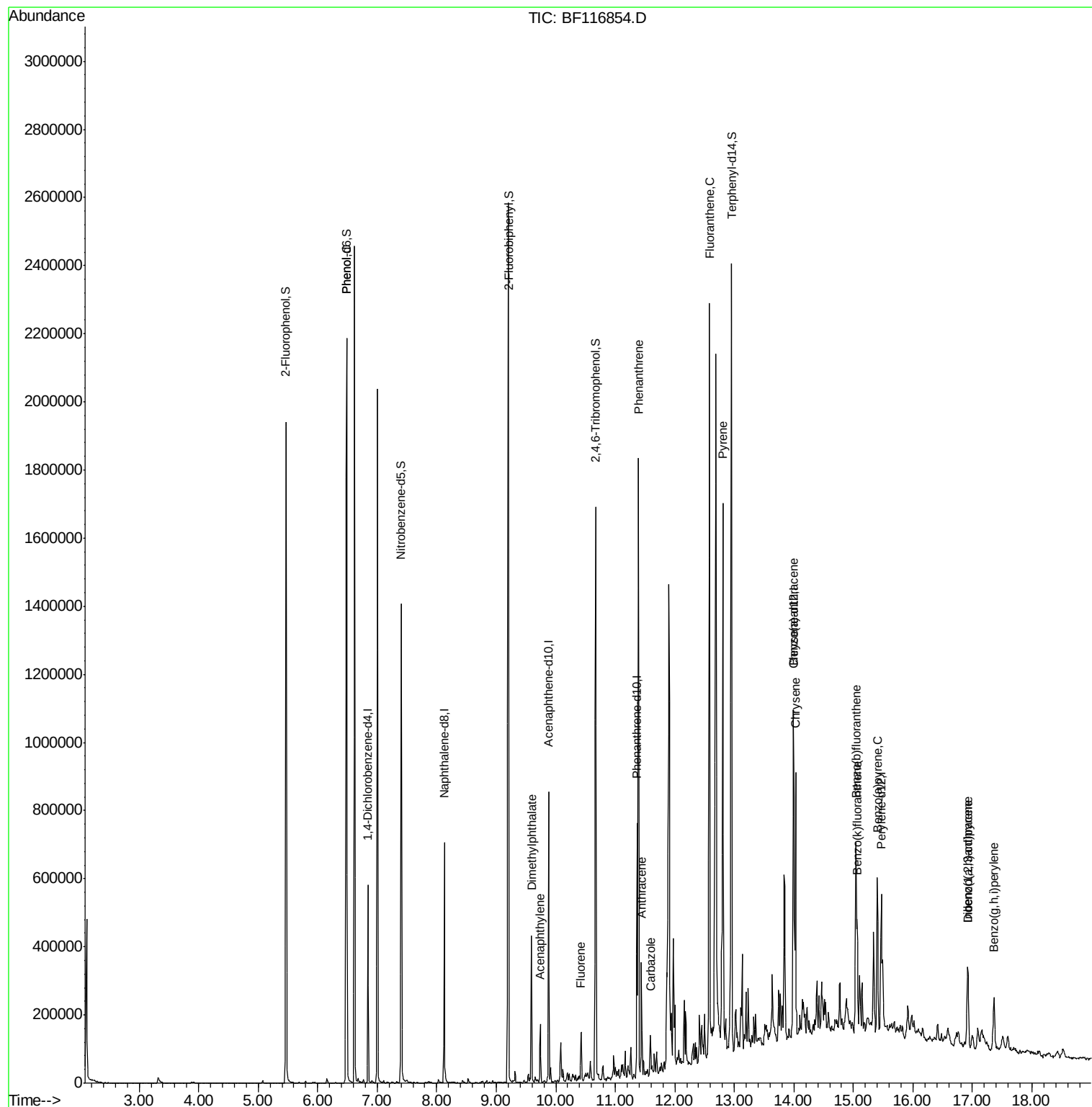
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
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ALS Vial : 3 Sample Multiplier: 1

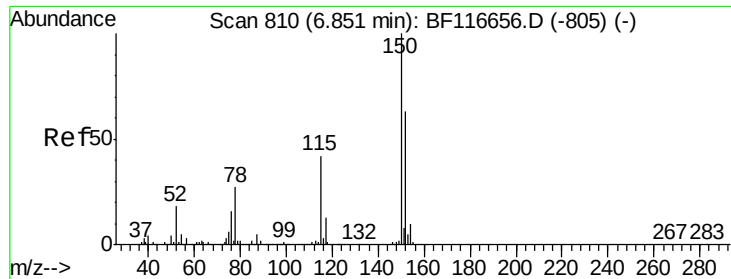
Instrument :
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#1

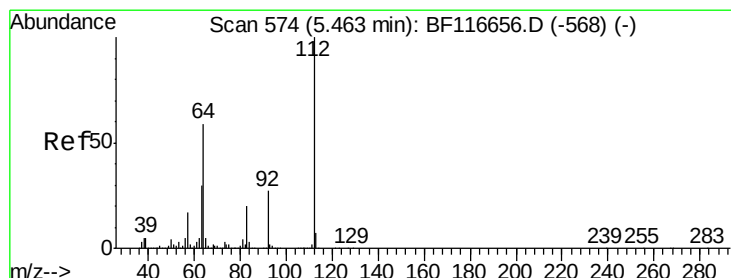
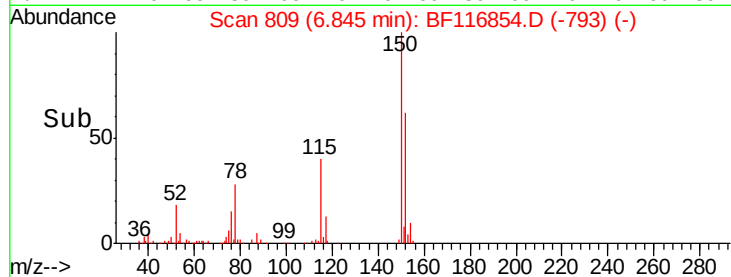
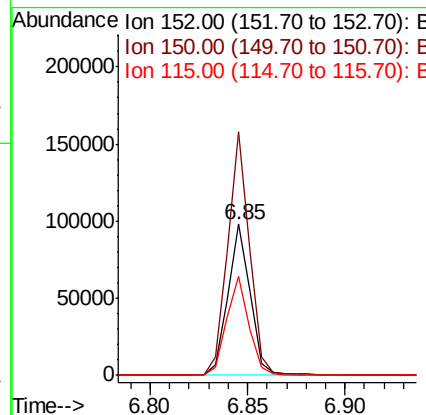
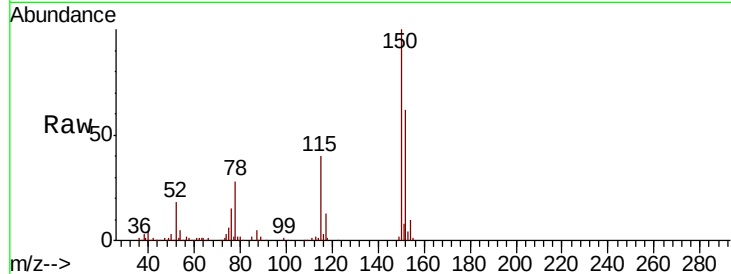
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116854.D
Acq: 6 Sep 2019 10:31

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	124.4	186.6
115	65.1	49.9	74.9

Manual Integrations
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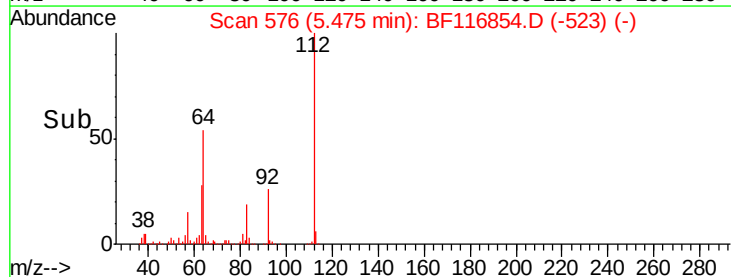
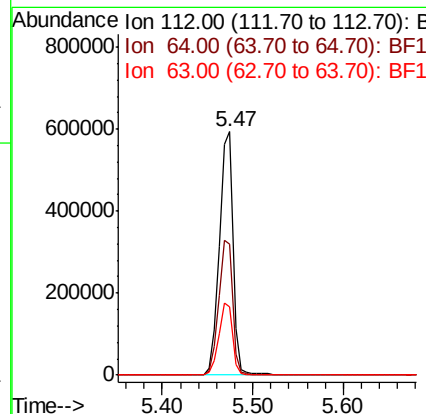
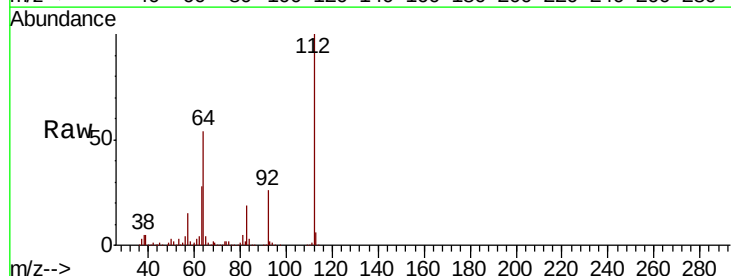
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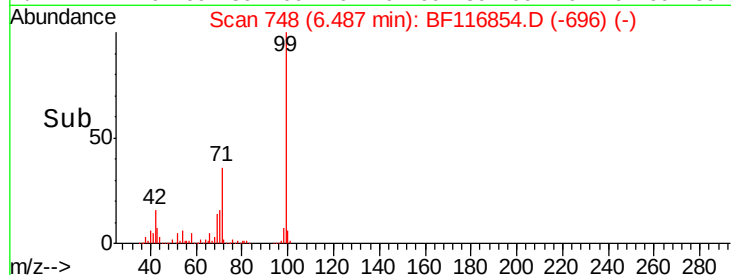
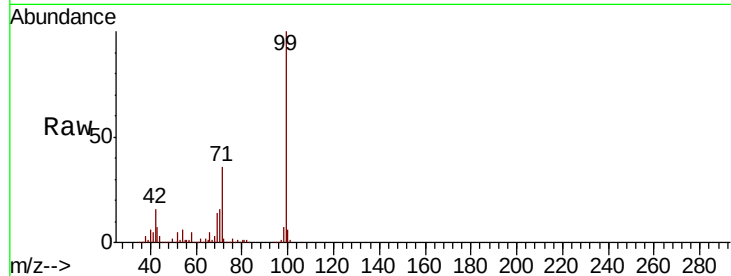
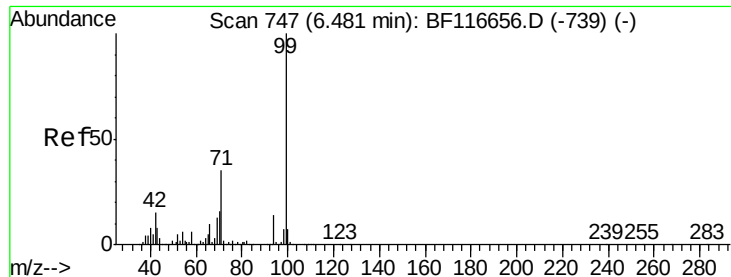


#5

2-Fluorophenol
Concen: 130.228 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116854.D
Acq: 6 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	47.1	70.7
63	28.2	24.9	37.3





#7

Phenol-d6

Concen: 136.697 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF116854.D

Acq: 6 Sep 2019 10:31

Tot Ion:	99	Resp:	856512
Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.7	20.5
71	36.5	30.8	46.2

Instrument :

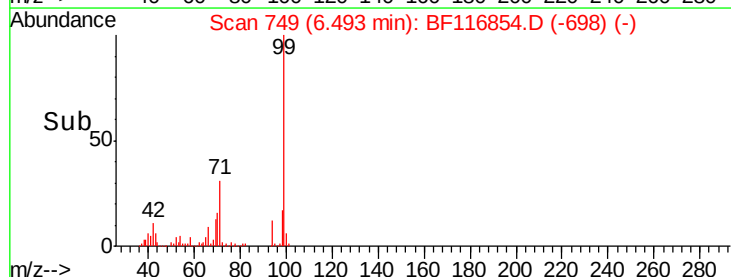
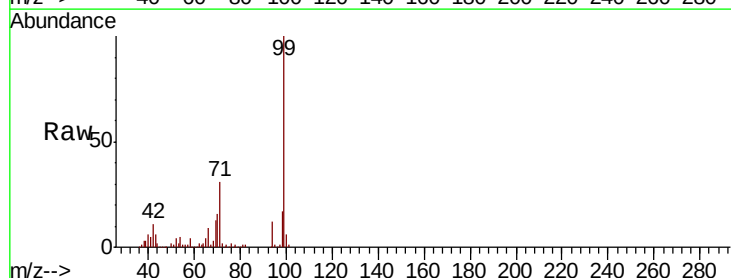
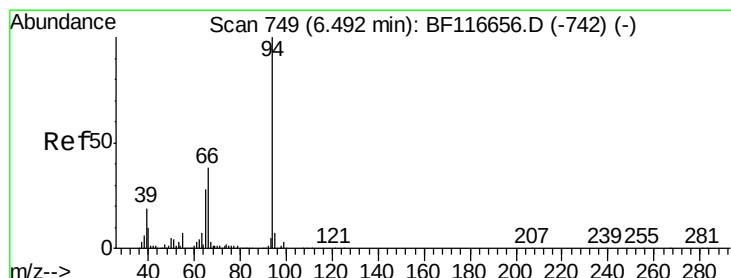
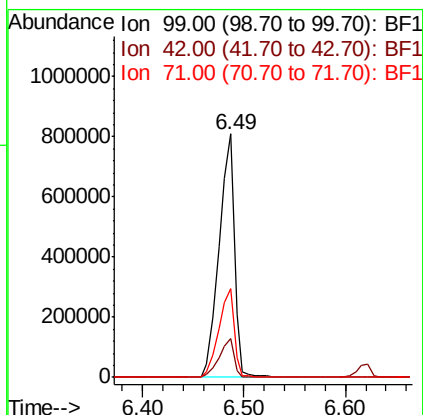
BNA_F

ClientSampleId :

TP-1

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#10

Phenol

Concen: 2.633 ng

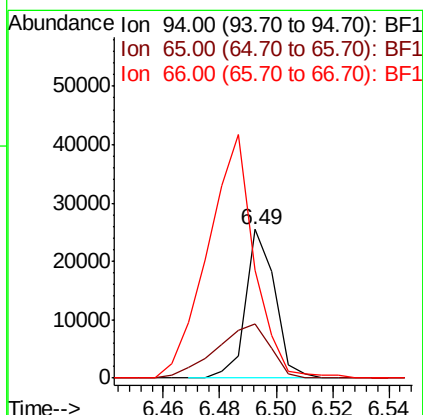
RT: 6.49 min Scan# 749

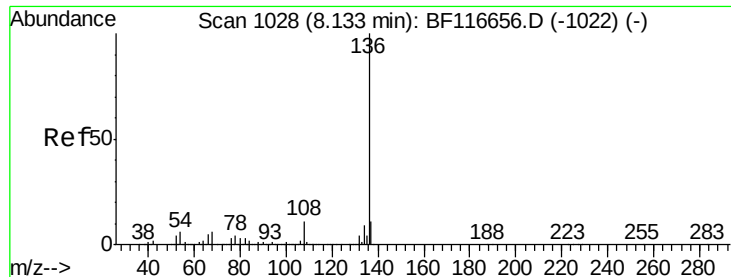
Delta R.T. 0.00 min

Lab File: BF116854.D

Acq: 6 Sep 2019 10:31

Tgt Ion:	94	Resp:	18270
Ion	Ratio	Lower	Upper
94	100		
65	36.8	10.8	50.8
66	72.8	21.1	61.1#





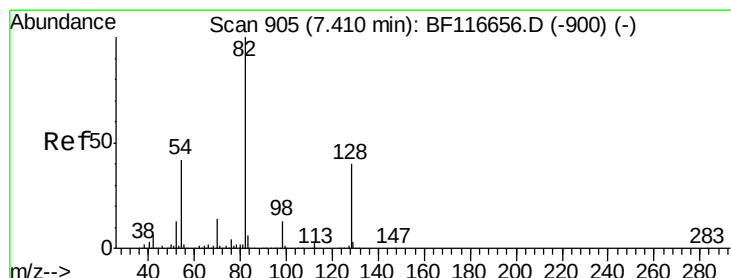
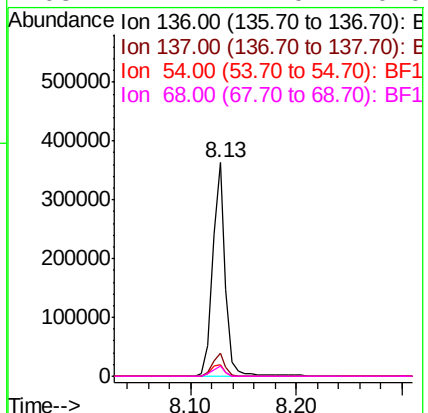
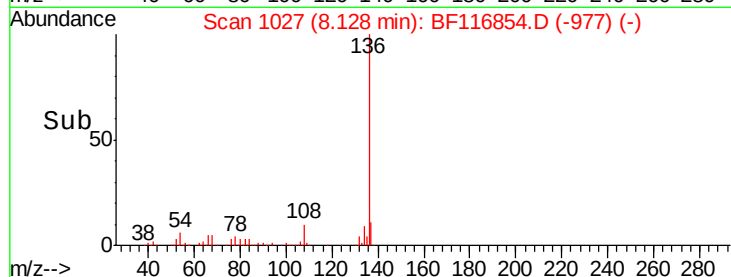
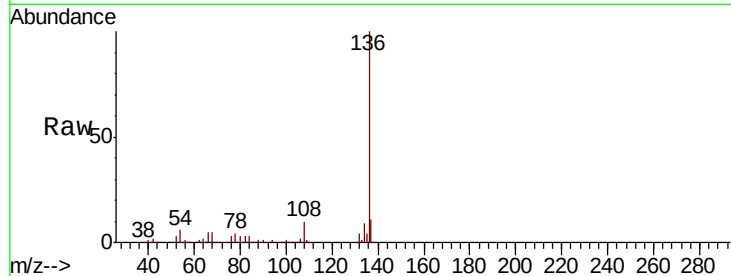
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116854.D
Acq: 6 Sep 2019 10:31

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		307283		
137	10.8		8.9	13.3	
54	5.6		4.8	7.2	
68	4.7		4.0	6.0	

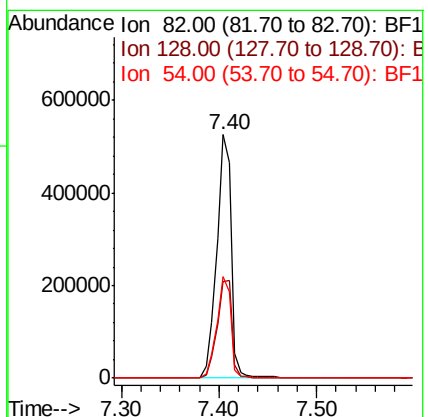
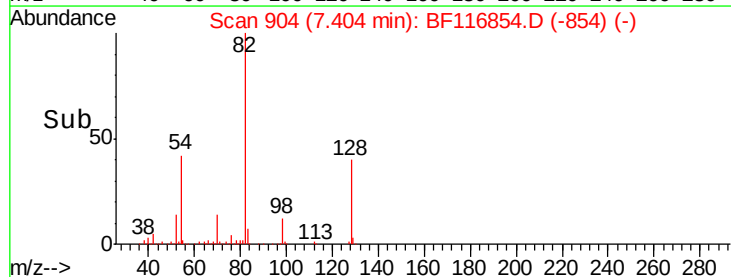
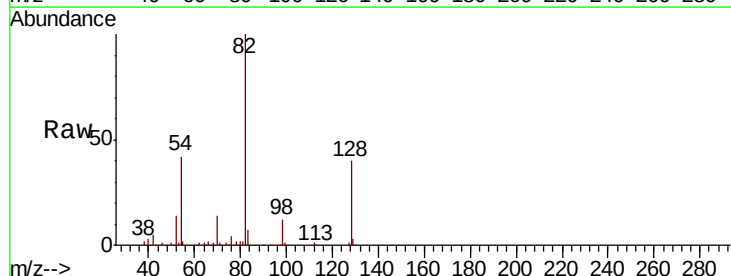
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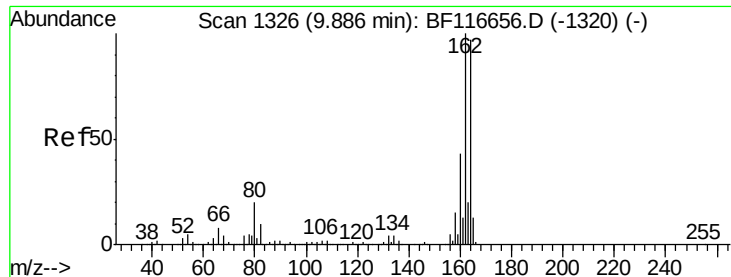
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#23
Nitrobenzene-d5
Concen: 101.455 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116854.D
Acq: 6 Sep 2019 10:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		546101		
128	39.6		32.8	49.2	
54	41.7		36.9	55.3	





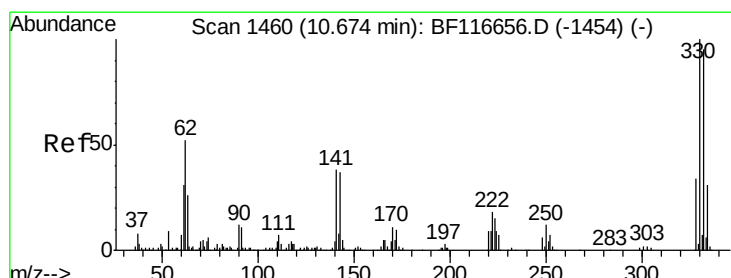
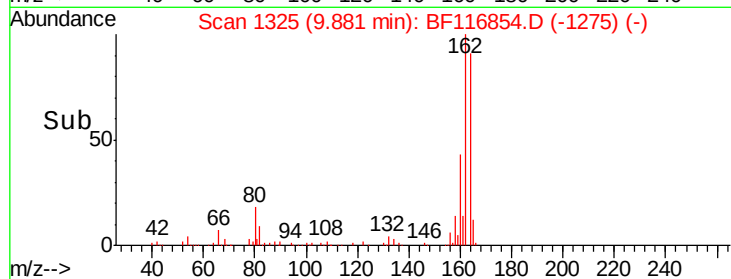
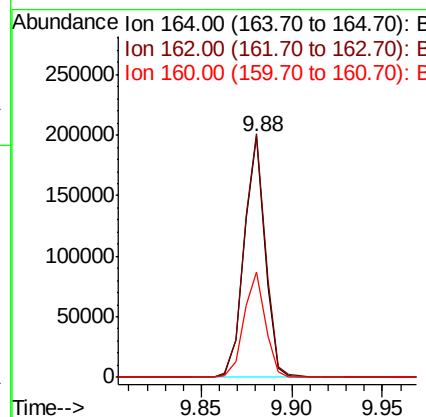
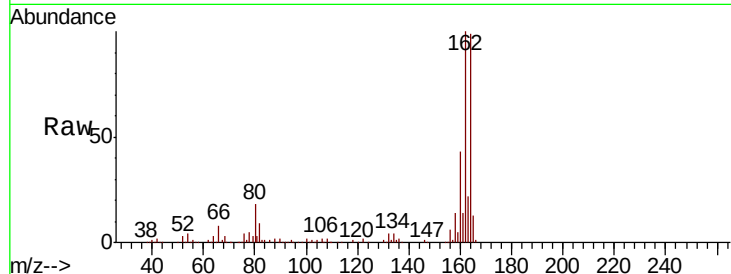
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116854.D
Acq: 6 Sep 2019 10:31

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Resp	Lower	Upper
164	100	159080		
162	101.2	81.4	122.0	
160	43.9	35.4	53.2	

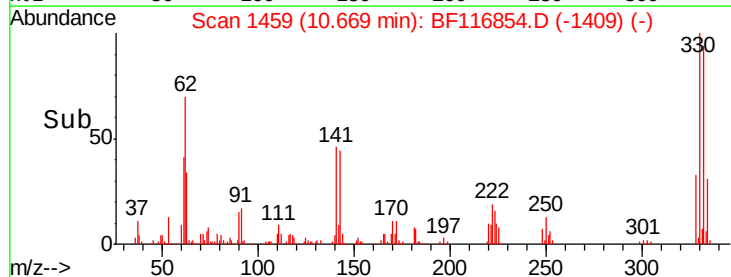
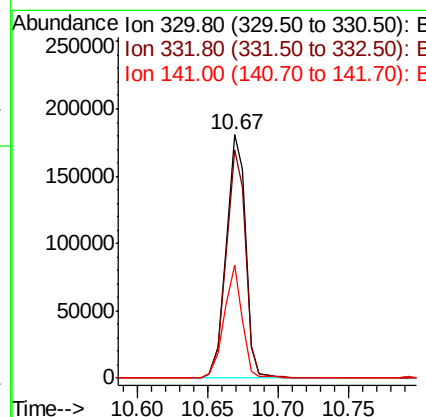
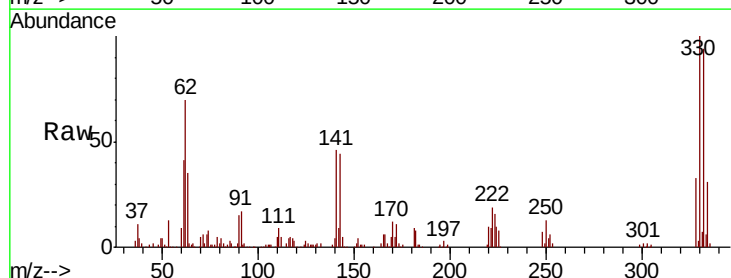
Manual Integrations
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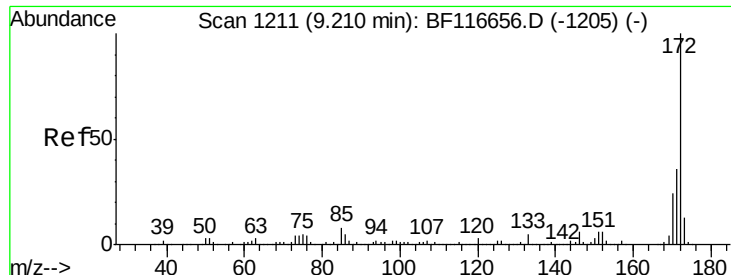
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#42
2,4,6-Tribromophenol
Concen: 162.908 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116854.D
Acq: 6 Sep 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	173250		
332	93.9	76.9	115.3	
141	43.4	31.4	47.2	





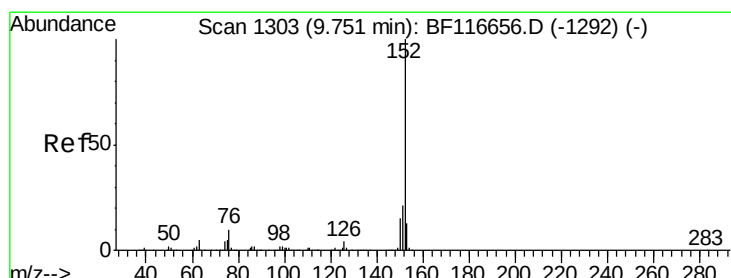
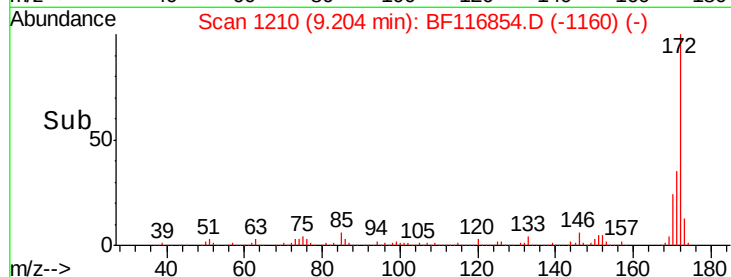
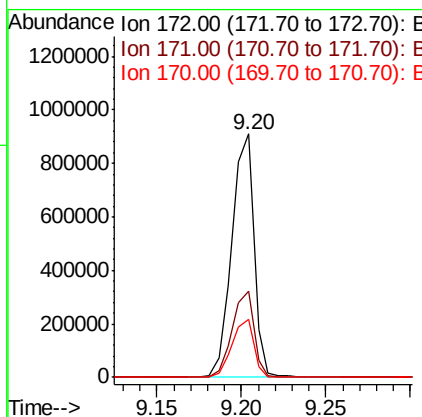
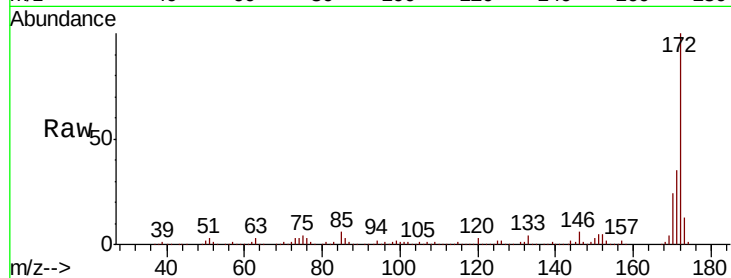
#45
2-Fluorobiphenyl
Concen: 88.040 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BF116854.D
Acq: 6 Sep 2019 10:31

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Resp	Lower	Upper
172	100	830252		
171	35.3		27.8	41.6
170	23.9		18.9	28.3

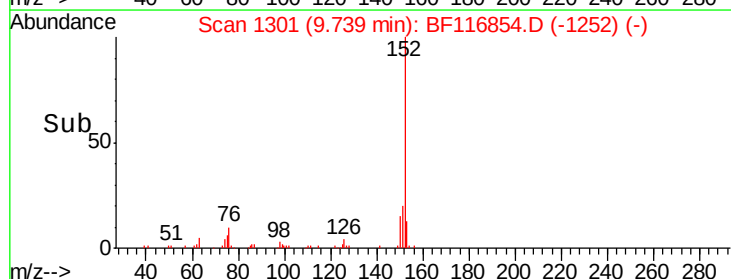
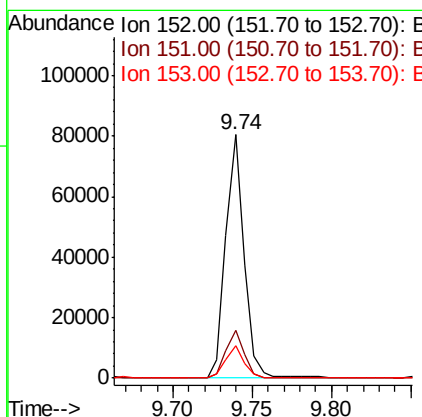
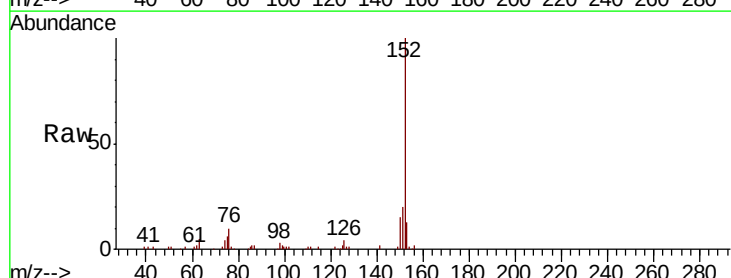
Manual Integrations
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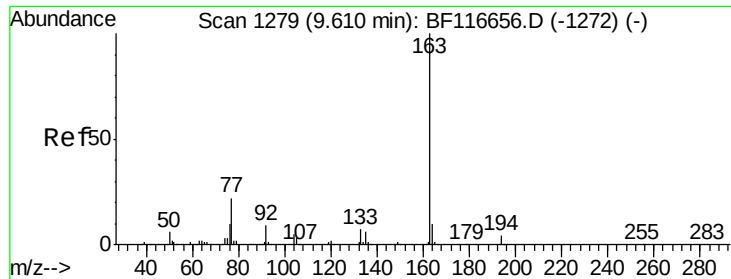
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#49
Acenaphthylene
Concen: 4.495 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF116854.D
Acq: 6 Sep 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	64970		
151	19.8		15.9	23.9
153	13.4		10.9	16.3





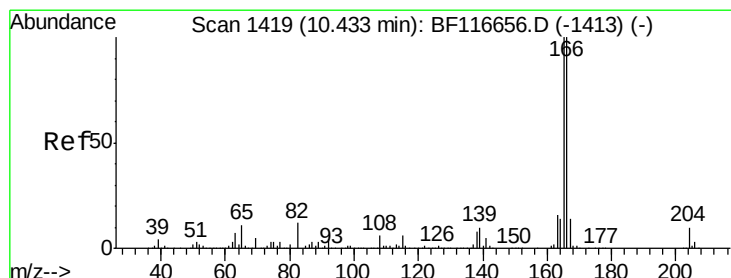
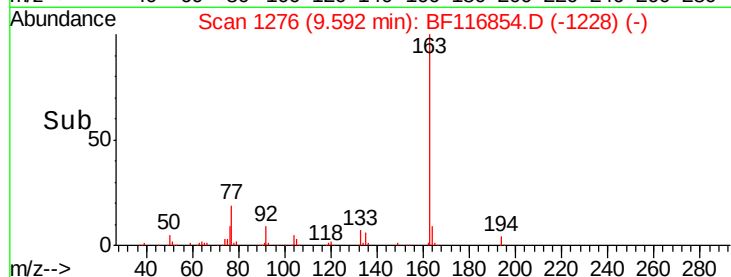
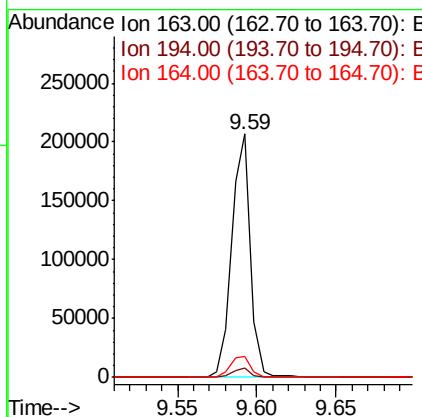
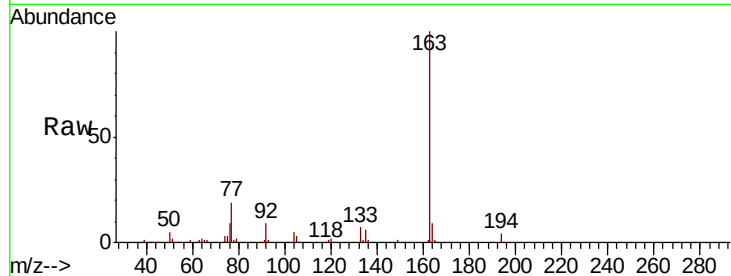
#50
Dimethylphthalate
Concen: 15.301 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116854.D
Acq: 6 Sep 2019 10:31

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	168051		
194	4.1	2.8	4.2	
164	8.8	8.6	12.8	

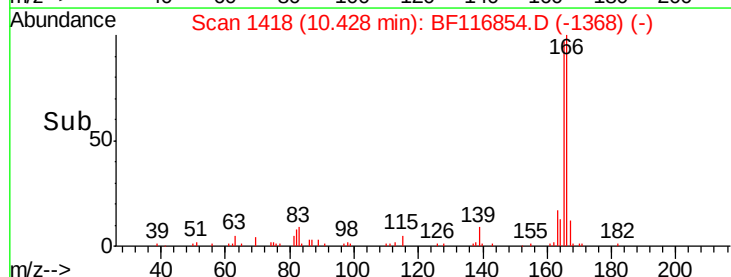
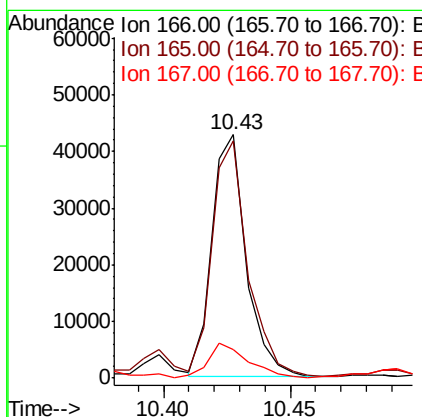
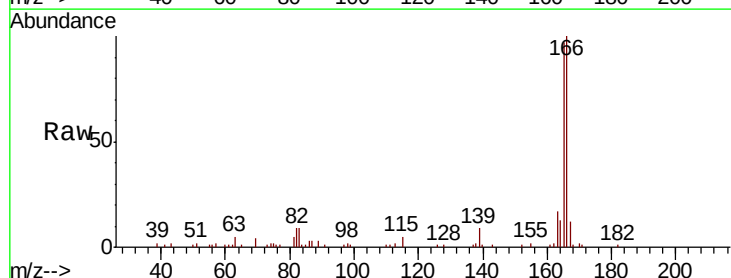
Manual Integrations
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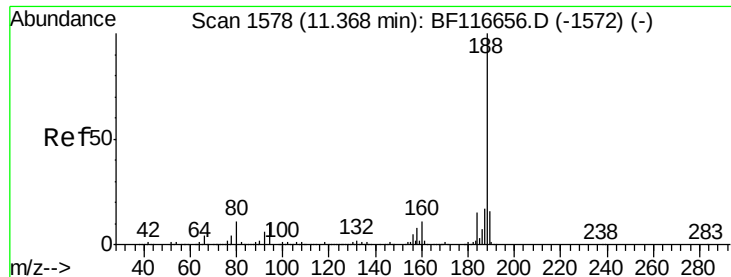
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#58
Fluorene
Concen: 4.213 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF116854.D
Acq: 6 Sep 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	40190		
165	97.2	78.8	118.2	
167	11.7	10.0	15.0	





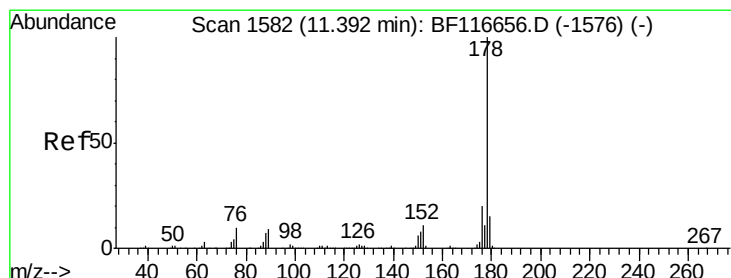
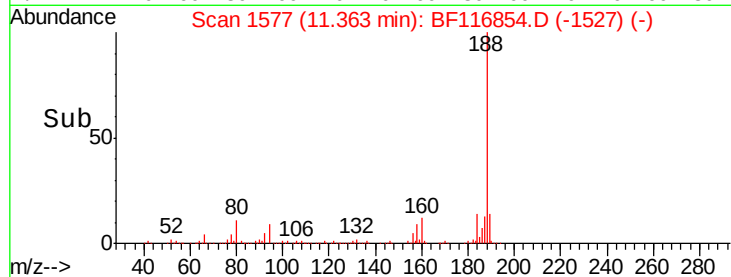
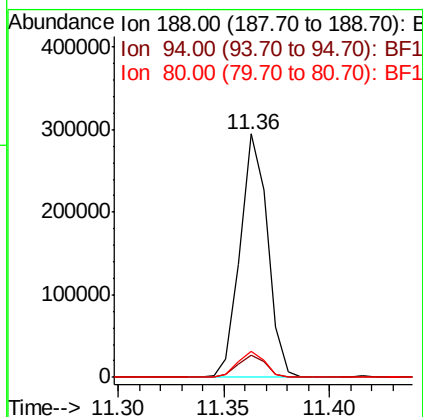
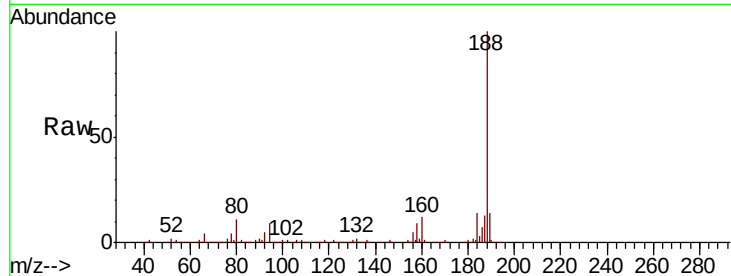
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116854.D
Acq: 6 Sep 2019 10:31

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion:	188	Resp:	265381
Ion Ratio	Lower	Upper	
188	100		
94	9.3	7.3	10.9
80	10.6	8.4	12.6

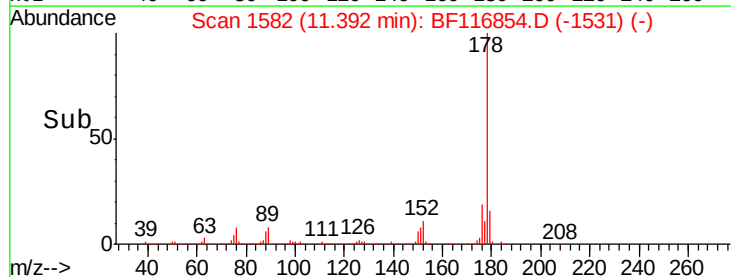
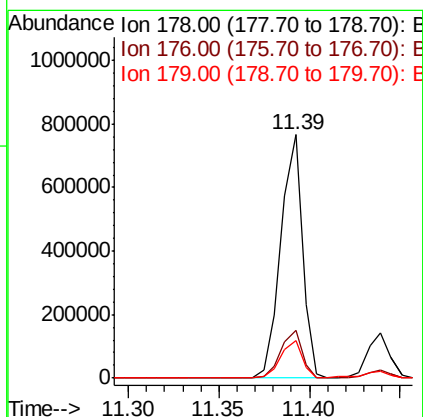
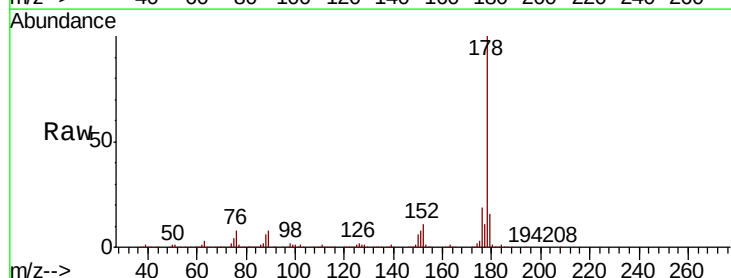
Manual Integrations
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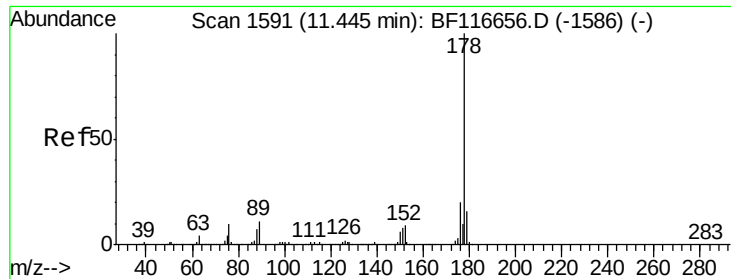
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#71
Phenanthrene
Concen: 43.380 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF116854.D
Acq: 6 Sep 2019 10:31

Tgt Ion:	178	Resp:	640839
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.4	23.0
179	15.6	12.2	18.2





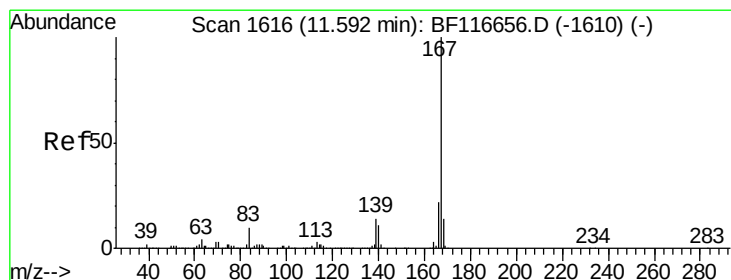
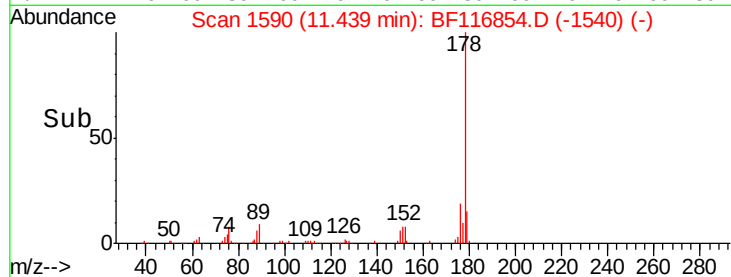
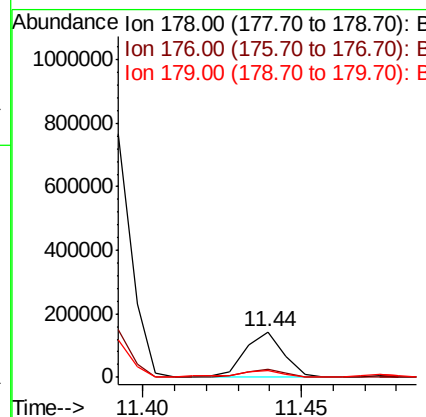
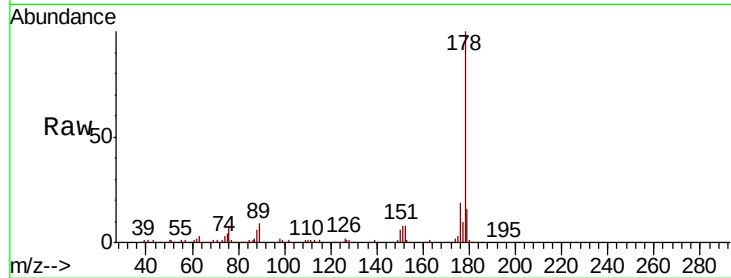
#72
 Anthracene
 Concen: 7.939 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: BF116854.D
 Acq: 6 Sep 2019 10:31

Instrument :
 BNA_F
 ClientSampled :
 TP-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.7	12.5	18.7

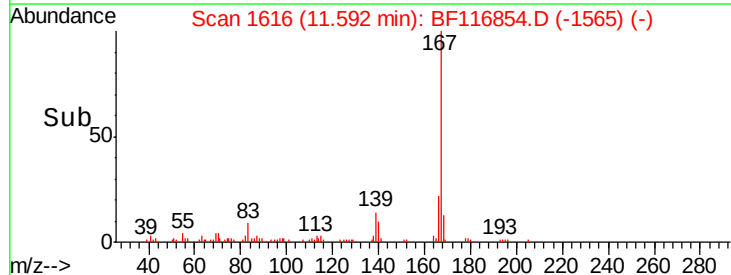
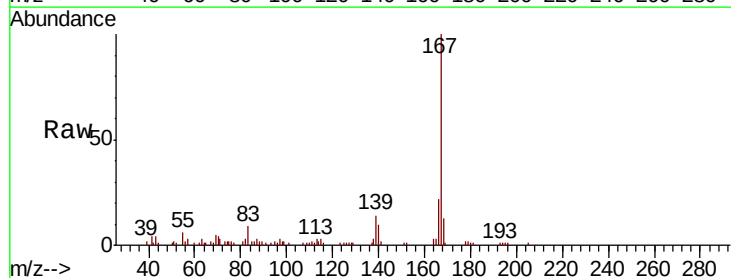
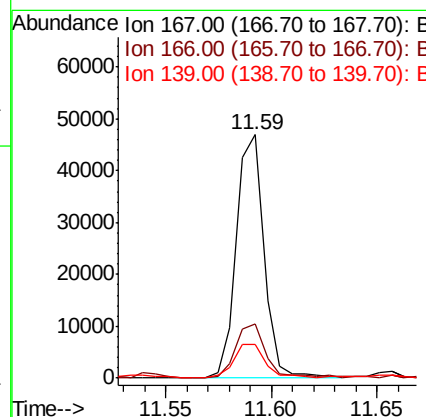
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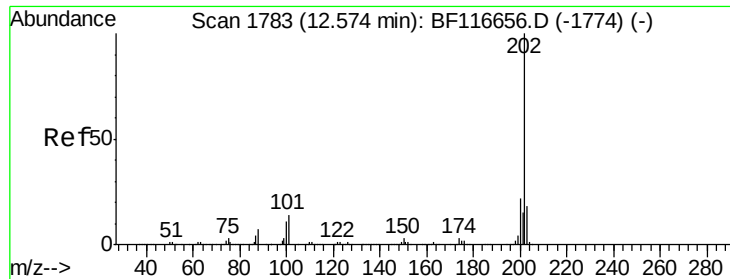
mohammad
 9/12/2019 9:11:22 AM



#73
 Carbazole
 Concen: 2.991 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: BF116854.D
 Acq: 6 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.8	26.6
139	13.7	11.1	16.7





#75

Fluoranthene

Concen: 55.953 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF116854.D

Acq: 6 Sep 2019 10:31

Instrument :

BNA_F

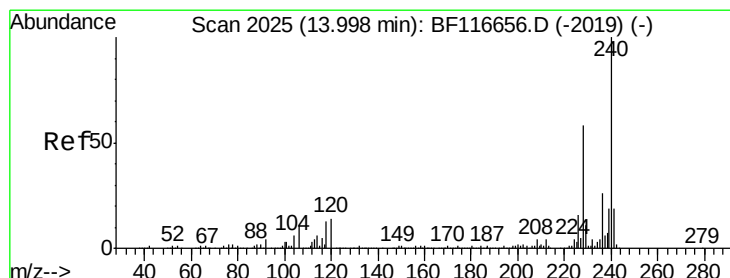
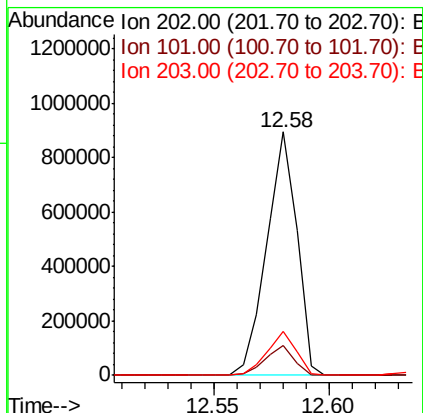
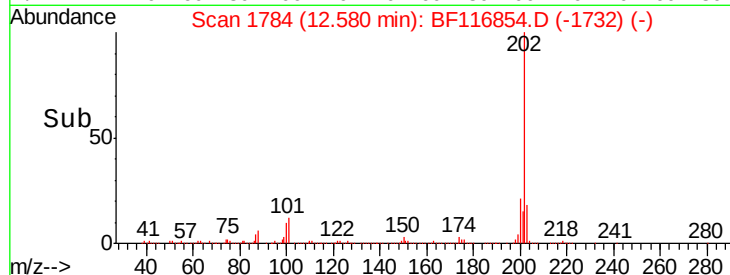
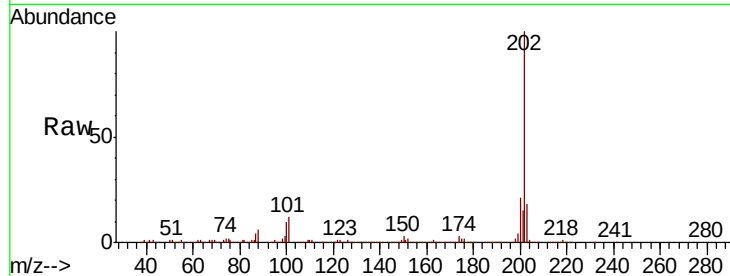
ClientSampleId :

TP-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		812324		
101	12.4	0.0	31.3		
203	17.9	0.0	37.6		

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#76

Chrysene-d12

Concen: 20.000 ng

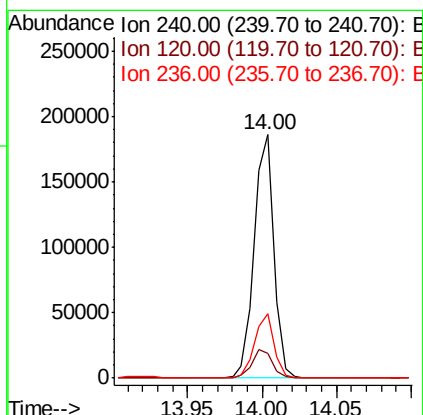
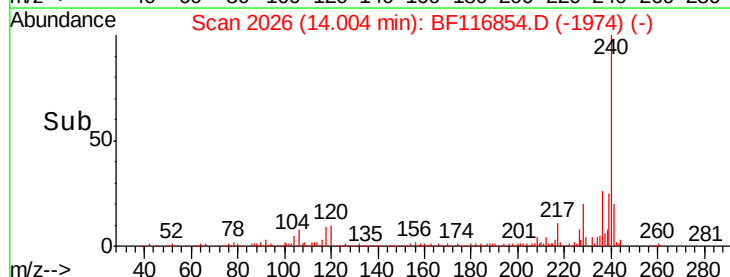
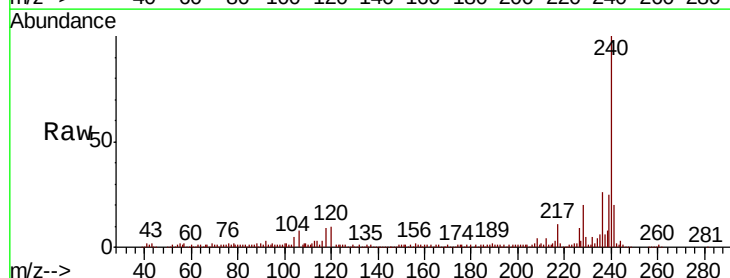
RT: 14.00 min Scan# 2026

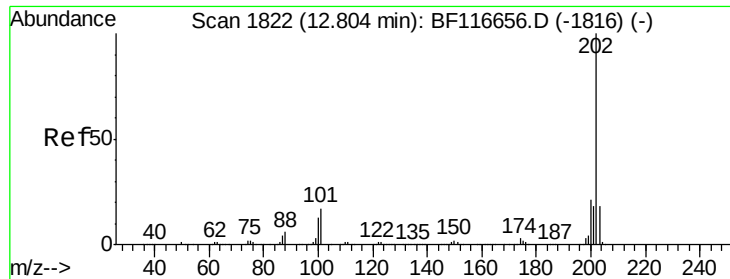
Delta R.T. 0.01 min

Lab File: BF116854.D

Acq: 6 Sep 2019 10:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		168654		
120	10.4	9.1	13.7		
236	26.3	21.1	31.7		





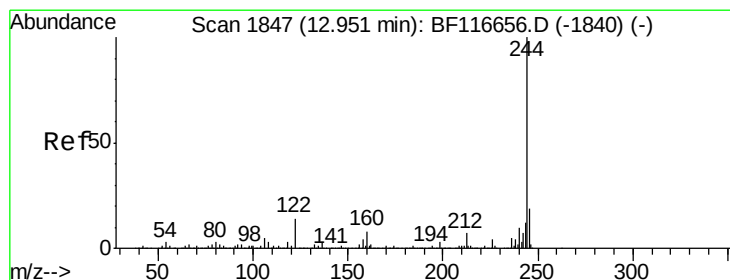
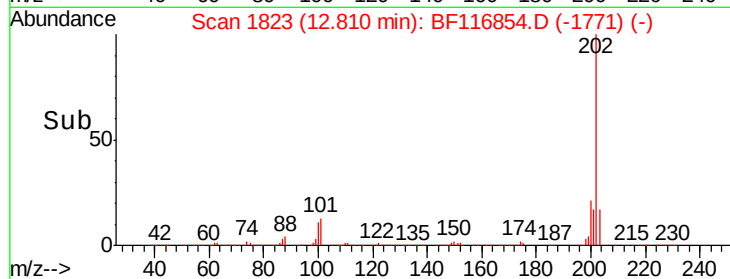
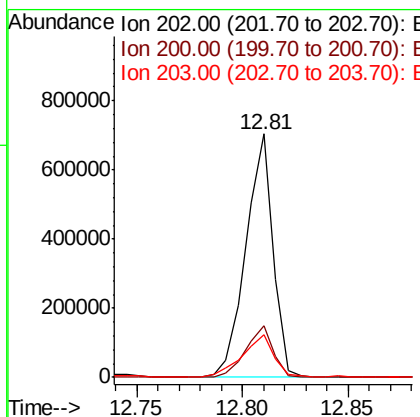
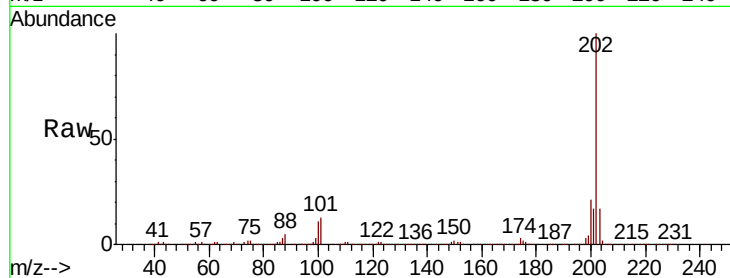
#78
Pvrene
Concen: 41.963 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF116854.D
Acq: 6 Sep 2019 10:31

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.5	24.7
203	17.4	13.7	20.5

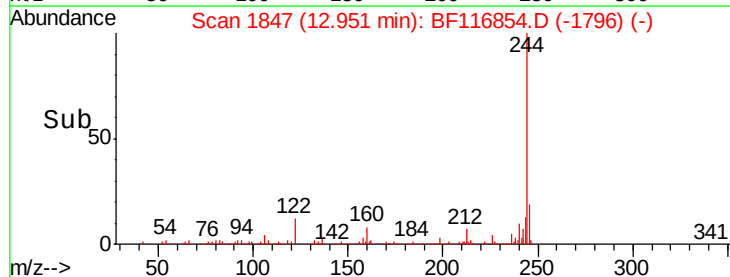
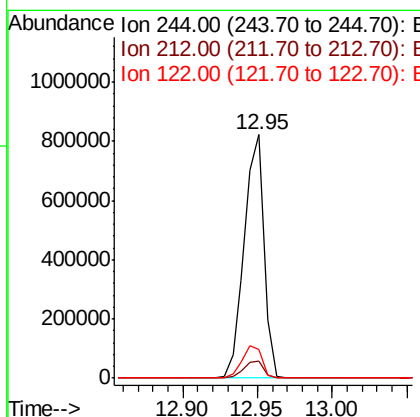
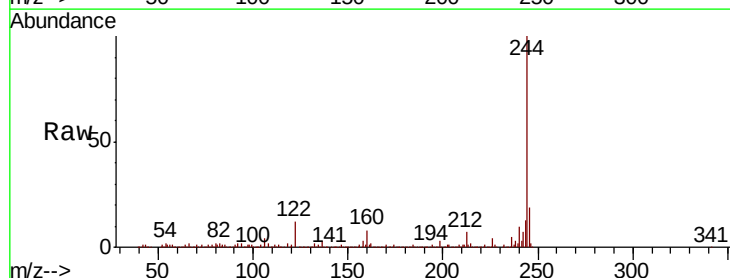
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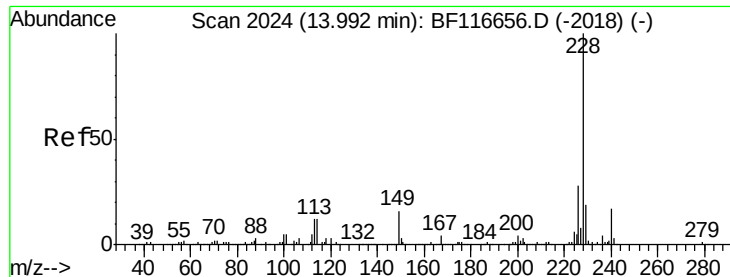
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#79
Terphenyl-d14
Concen: 83.202 ng
RT: 12.95 min Scan# 1847
Delta R.T. 0.00 min
Lab File: BF116854.D
Acq: 6 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	11.6	10.2	15.4





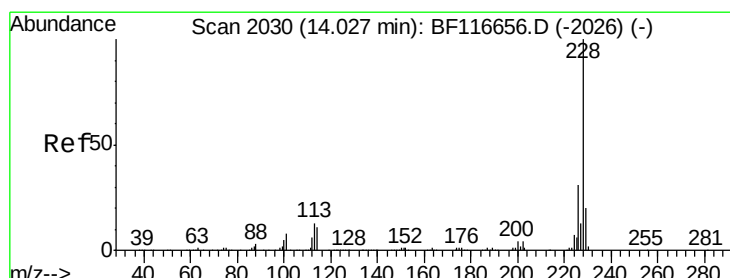
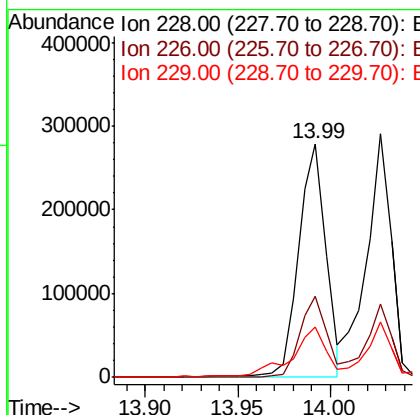
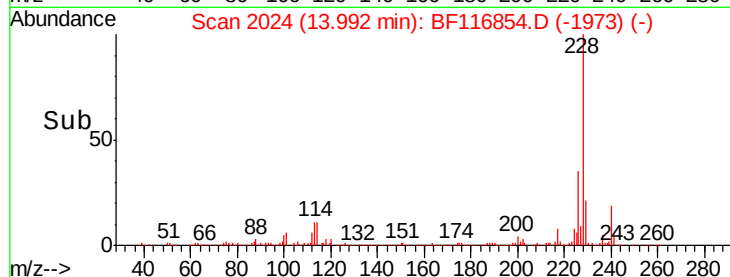
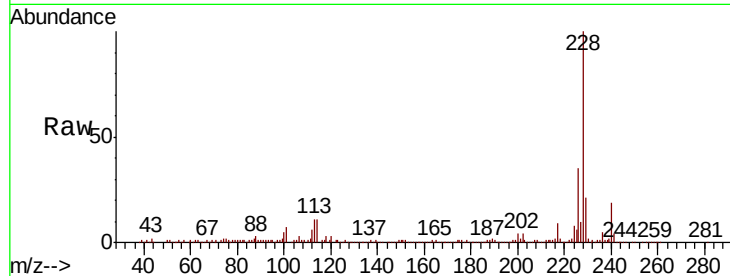
#81
Benzo(a)anthracene
Concen: 26.892 ng m
RT: 13.99 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF116854.D
Acq: 6 Sep 2019 10:31

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Resp	Lower	Upper
228	100	287052		
226	34.8	22.0	33.0#	
229	21.3	16.4	24.6	

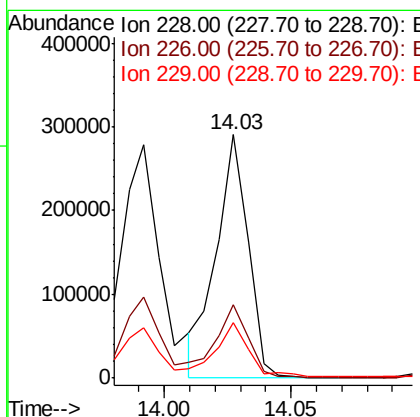
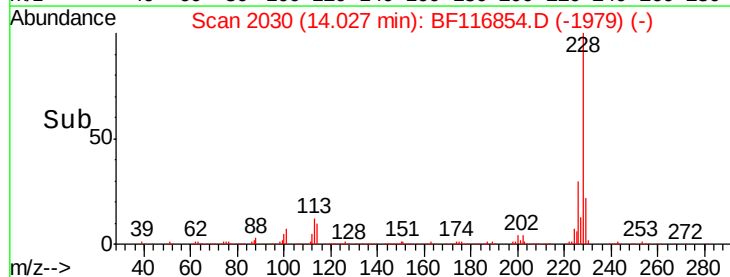
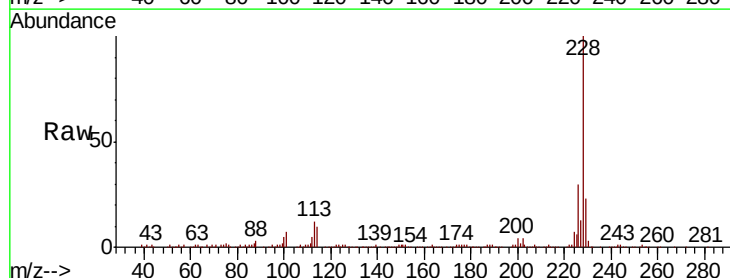
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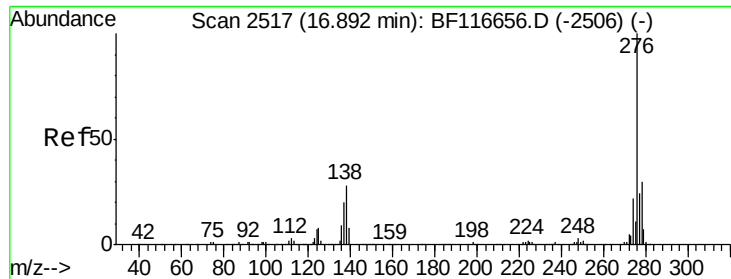
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#83
Chrysene
Concen: 22.974 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF116854.D
Acq: 6 Sep 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	252648		
226	29.9	24.0	36.0	
229	22.8	15.4	23.0	





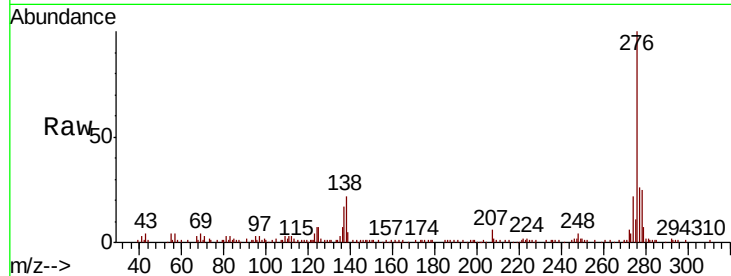
#86
Indeno(1,2,3-cd)pyrene
Concen: 15.240 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.03 min
Lab File: BF116854.D
Acq: 6 Sep 2019 10:31

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.8	19.4	29.2
277	25.0	20.5	30.7

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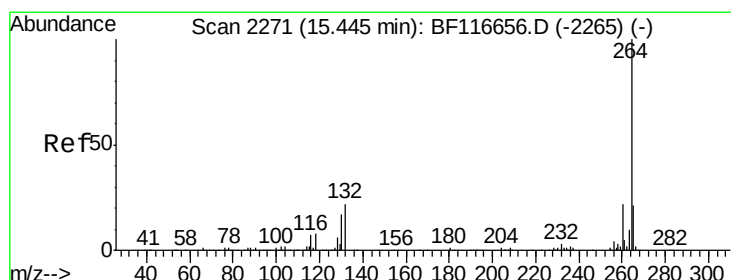
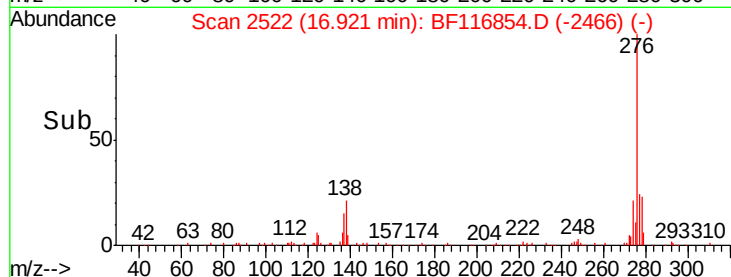
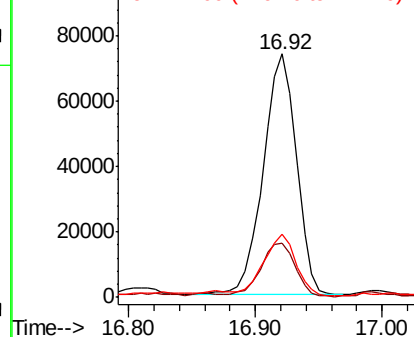


Abundance

Ion 276.00 (275.70 to 276.70): E

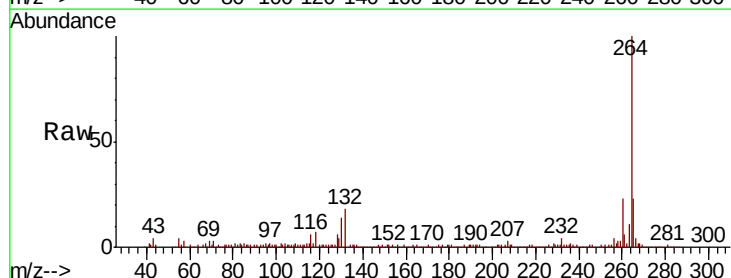
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.02 min
Lab File: BF116854.D
Acq: 6 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.3	27.5
265	22.7	16.5	24.7

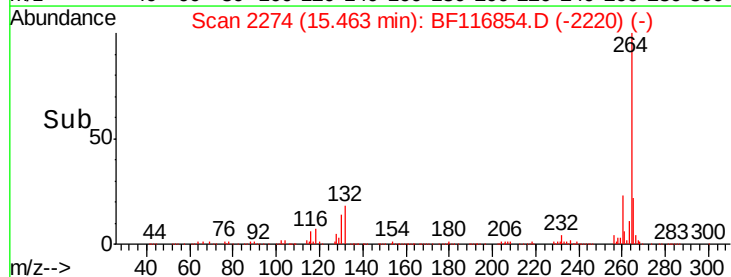
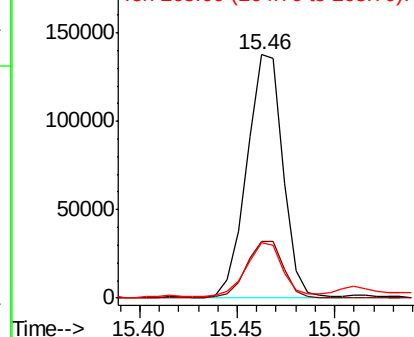


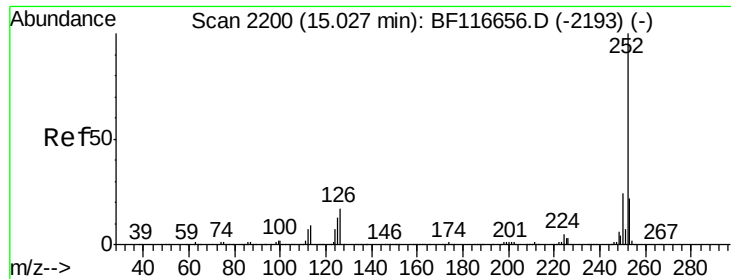
Abundance

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





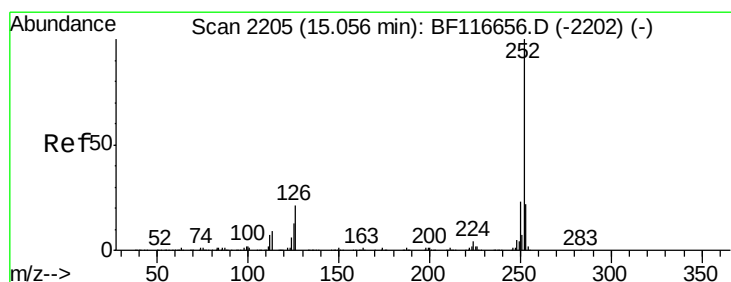
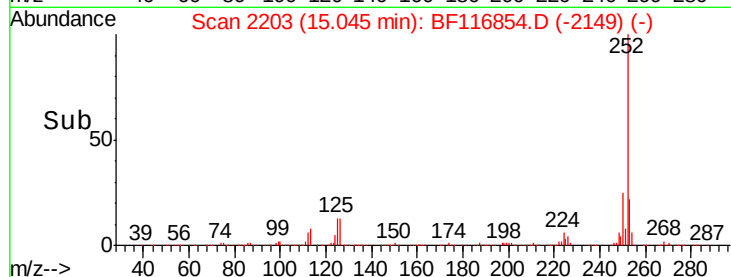
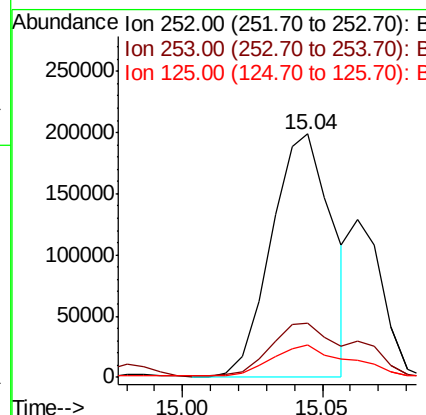
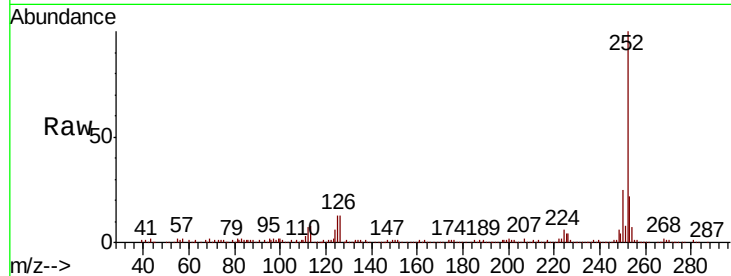
#88
Benzo(b)fluoranthene
Concen: 28.730 ng m
RT: 15.04 min Scan# 2203
Delta R.T. 0.02 min
Lab File: BF116854.D
Acq: 6 Sep 2019 10:31

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	13.1	8.2	12.2

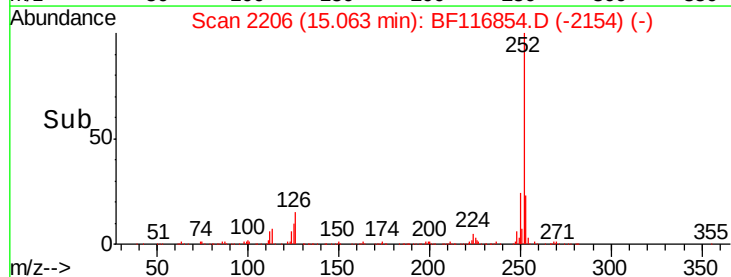
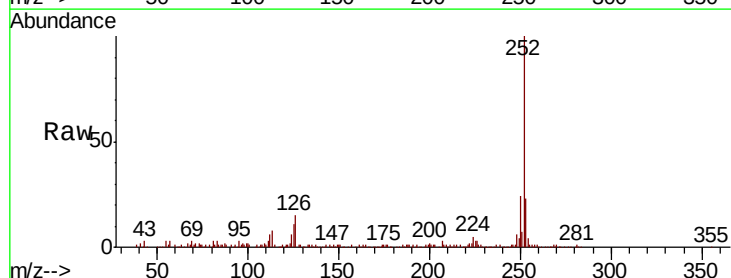
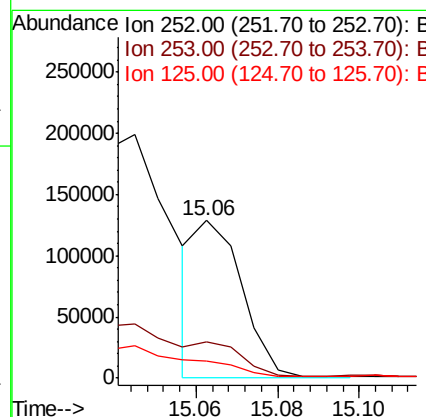
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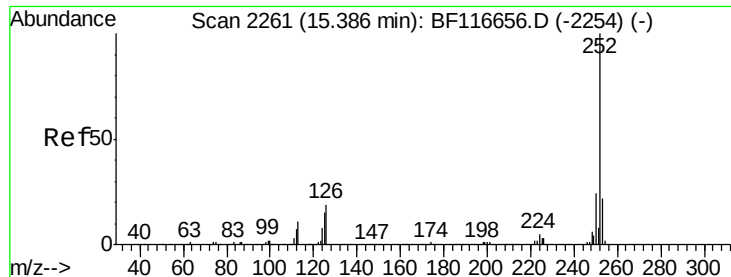
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#89
Benzo(k)fluoranthene
Concen: 10.619 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF116854.D
Acq: 6 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	10.7	8.6	13.0





#90

Benzo(a)pyrene

Concen: 22.061 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.02 min

Lab File: BF116854.D

Acq: 6 Sep 2019 10:31

Instrument :

BNA_F

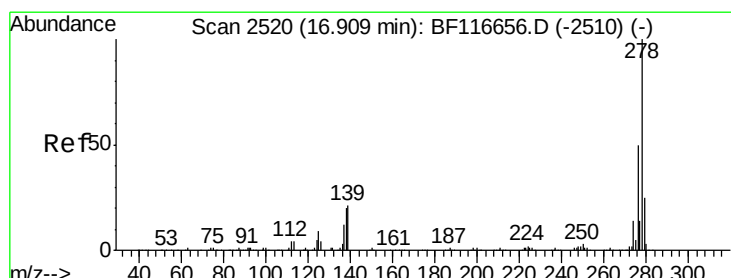
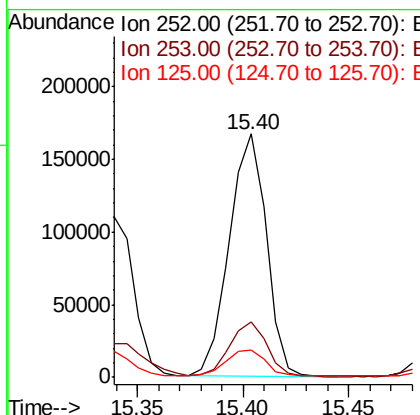
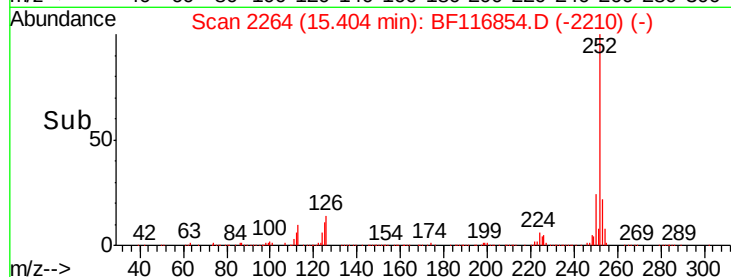
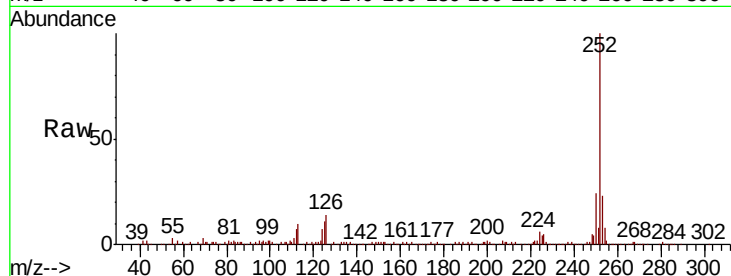
ClientSampled :

TP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	11.4	9.8	14.8

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#91

Dibenzo(a,h)anthracene

Concen: 4.423 ng

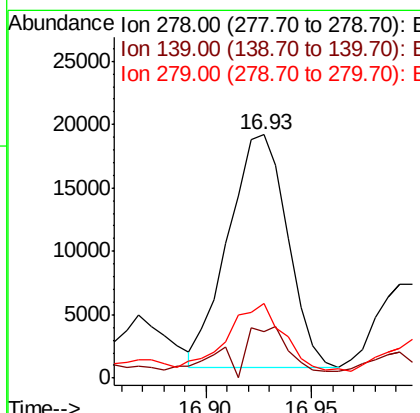
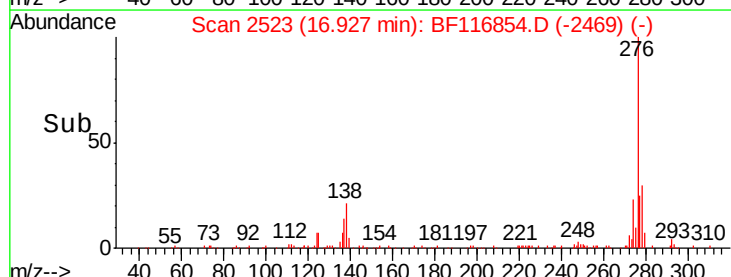
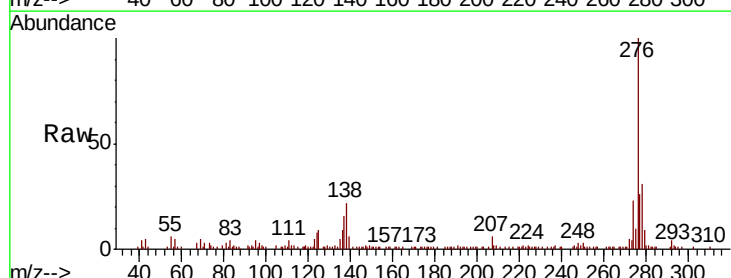
RT: 16.93 min Scan# 2523

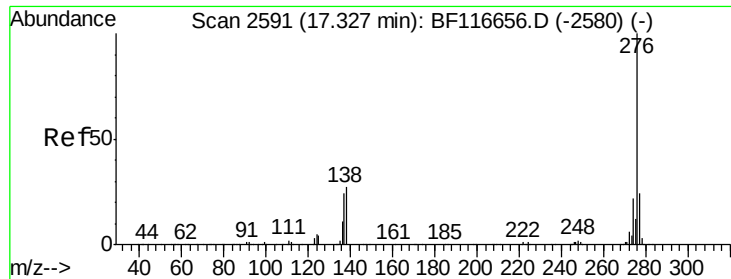
Delta R.T. 0.02 min

Lab File: BF116854.D

Acq: 6 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.9	12.4	18.6#
279	30.4	18.2	27.4#





#92
 Benzo(a,h,i)perylene
 Concen: 14.332 ng
 RT: 17.36 min Scan# 2597
 Delta R.T. 0.04 min
 Lab File: BF116854.D
 Acq: 6 Sep 2019 10:31

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tot Ion:	276	Resp:	117438
Ion Ratio	Lower	Upper	
276	100		
277	23.7	18.5	27.7
138	23.5	16.2	24.2

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