

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
 Data File : BF116861.D
 Acq On : 6 Sep 2019 14:54
 Operator : HP/JU
 Sample : K4650-15 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Manual Integrations
 APPROVED

mohammad
 9/12/2019 9:11:40 AM

Quant Time: Sep 07 04:35:00 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	77970	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	319878	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	163479	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	251807	20.00	ng	0.00
76) Chrysene-d12	14.00	240	164599	20.00	ng	0.00
87) Perylene-d12	15.47	264	187657	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	210532	43.74	ng	0.00
7) Phenol-d6	6.47	99	287363	45.47	ng	0.00
23) Nitrobenzene-d5	7.40	82	175435	31.31	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	59137	54.11	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	310426	32.03	ng	-0.01
79) Terphenyl-d14	12.94	244	268595	30.19	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.74	152	87329	5.880	ng	98
50) Dimethylphthalate	9.59	163	133379	11.818	ng	98
58) Fluorene	10.43	166	21675	2.211	ng	94
71) Phenanthrene	11.39	178	457228	32.619	ng	99
72) Anthracene	11.44	178	117096	8.299	ng	99
73) Carbazole	11.59	167	35137	2.614	ng	98
75) Fluoranthene	12.58	202	943512	68.492	ng	98
78) Pyrene	12.81	202	818639	55.949	ng	98
81) Benzo(a)anthracene	14.00	228	460914m	44.245	ng	
83) Chrysene	14.03	228	431021	40.160	ng	98
86) Indeno(1,2,3-cd)pyrene	16.94	276	249144	28.901	ng	97
88) Benzo(b)fluoranthene	15.05	252	650899m	57.371	ng	
89) Benzo(k)fluoranthene	15.07	252	165641m	16.012	ng	
90) Benzo(a)pyrene	15.42	252	406645	41.197	ng	100
91) Dibenzo(a,h)anthracene	16.94	278	62887	7.279	ng	# 90
92) Benzo(g,h,i)perylene	17.38	276	216920	24.618	ng	96

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

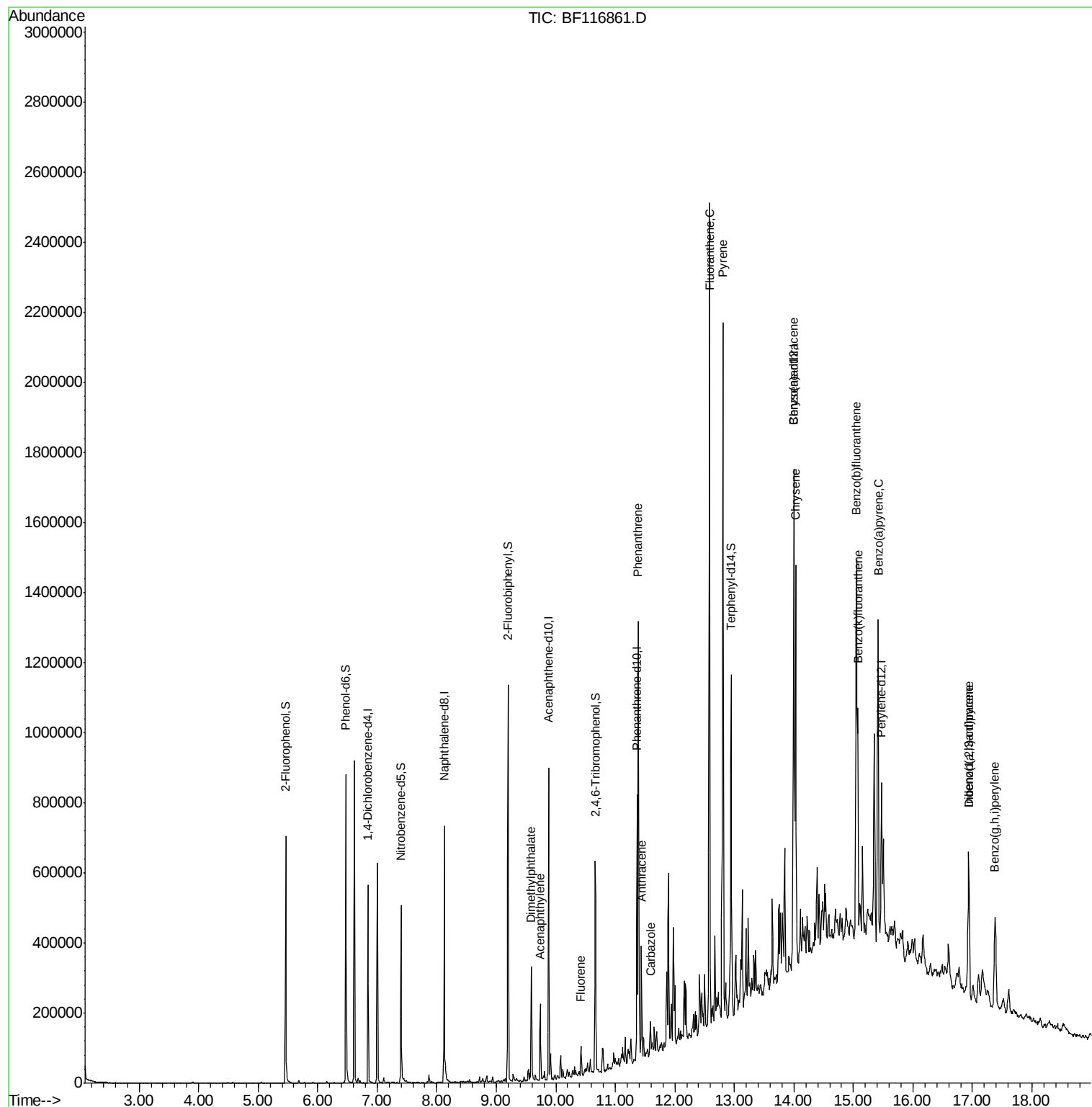
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
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ALS Vial : 10 Sample Multiplier: 1

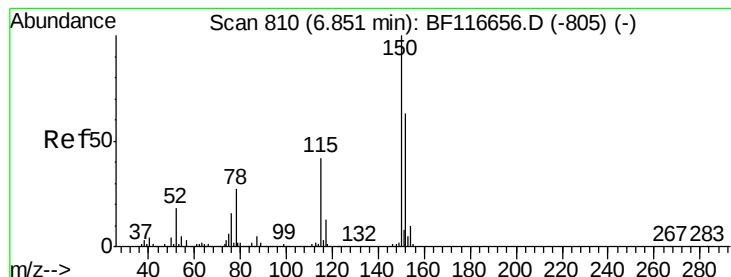
Instrument :
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#1

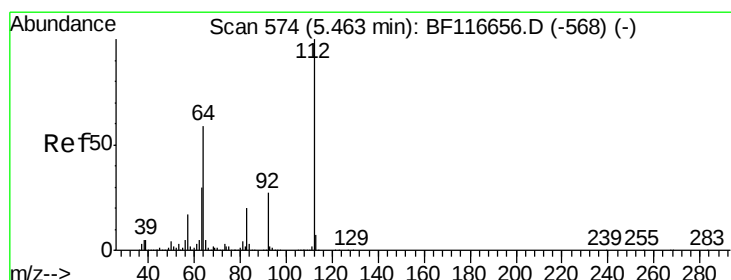
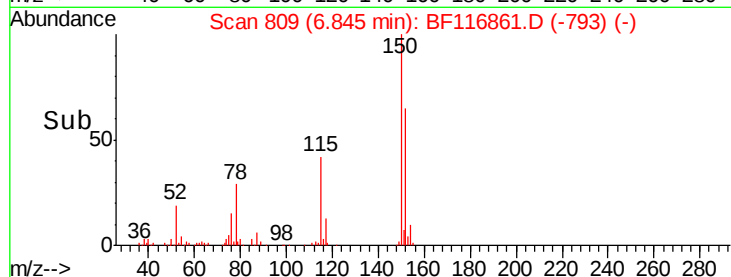
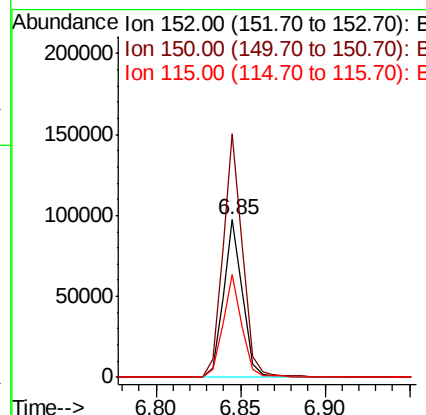
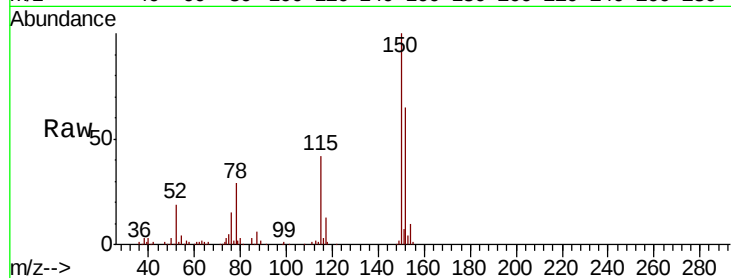
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116861.D
Acq: 6 Sep 2019 14:54

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.4	186.6
115	65.3	49.9	74.9

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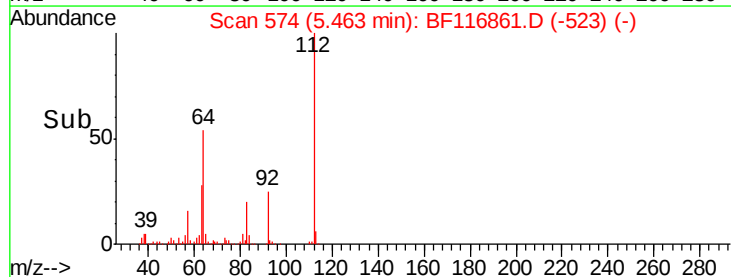
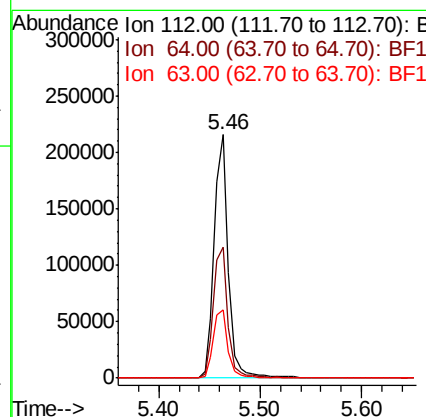
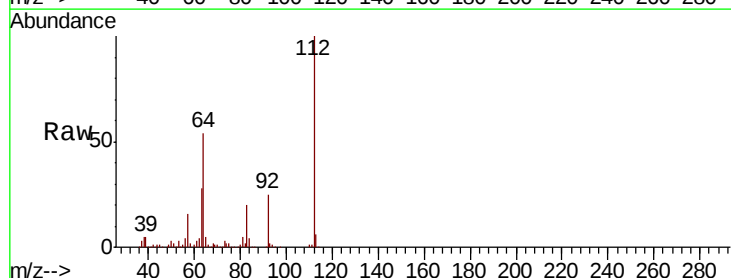
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#5

2-Fluorophenol
Concen: 43.744 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116861.D
Acq: 6 Sep 2019 14:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	47.1	70.7
63	28.0	24.9	37.3





#7

Phenol-d6

Concen: 45.471 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116861.D

Acq: 6 Sep 2019 14:54

Instrument :

BNA_F

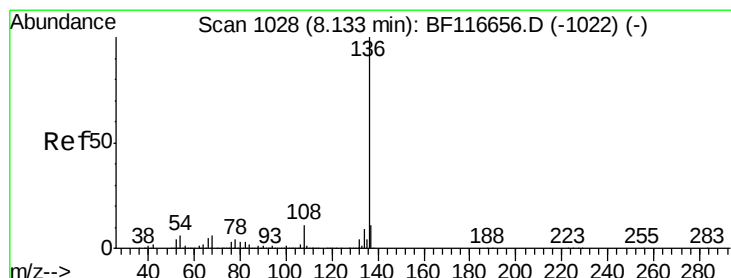
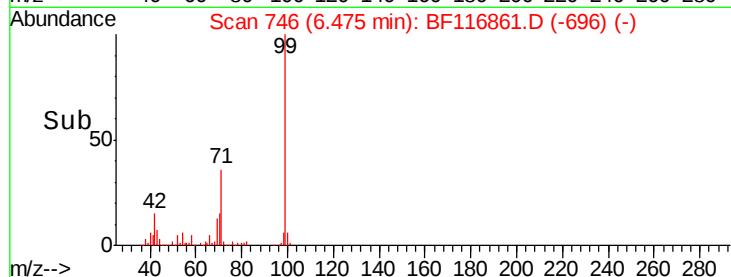
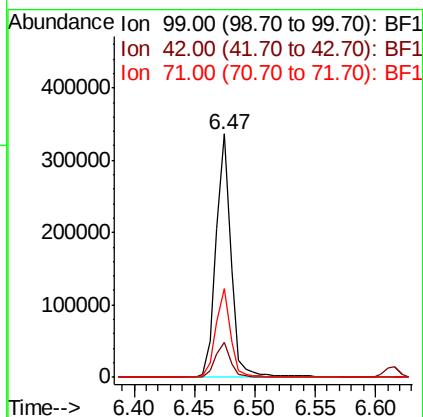
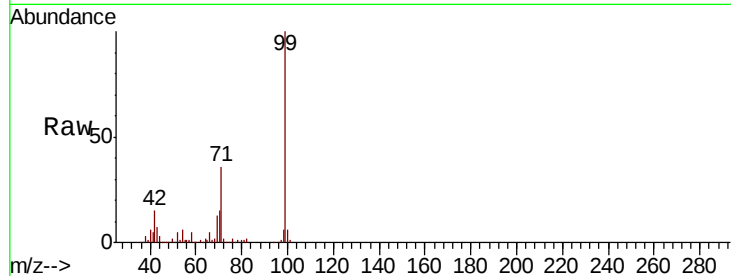
ClientSampled :

TP-8

Tot Ion:	99	Resp:	287363
Ion Ratio	Lower	Upper	
99	100		
42	14.6	13.7	20.5
71	36.2	30.8	46.2

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#21

Naphthalene-d8

Concen: 20.000 ng

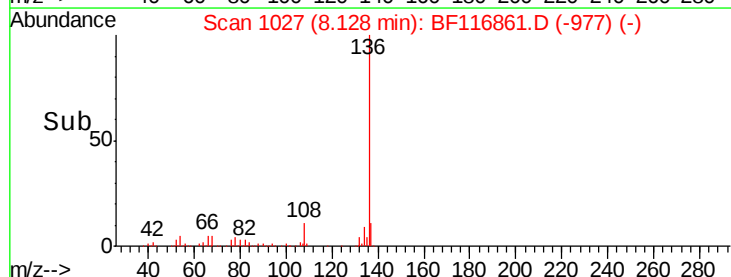
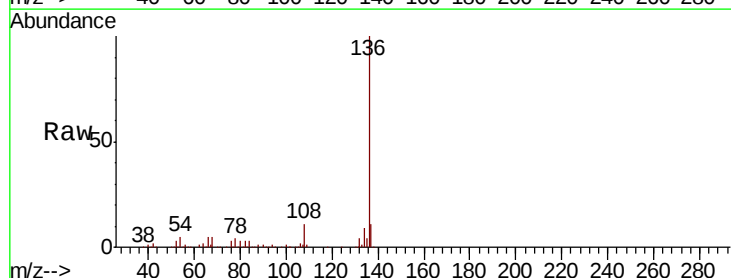
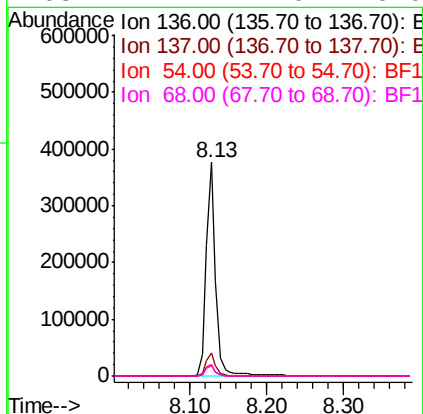
RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116861.D

Acq: 6 Sep 2019 14:54

Tgt Ion:	136	Resp:	319878
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	5.4	4.8	7.2
68	4.7	4.0	6.0





#23

Nitrobenzene-d5

Concen: 31.309 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF116861.D

Acq: 6 Sep 2019 14:54

Instrument :

BNA_F

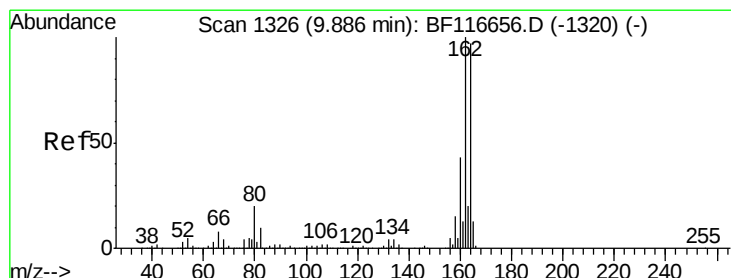
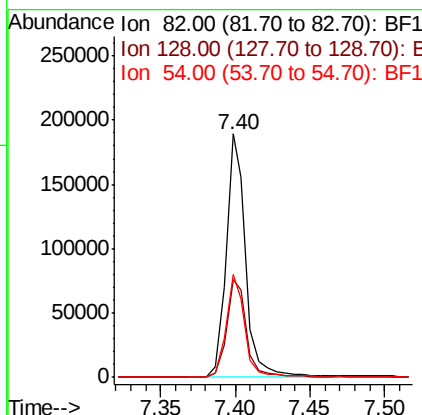
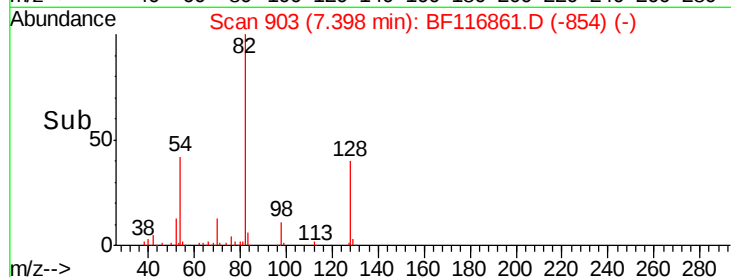
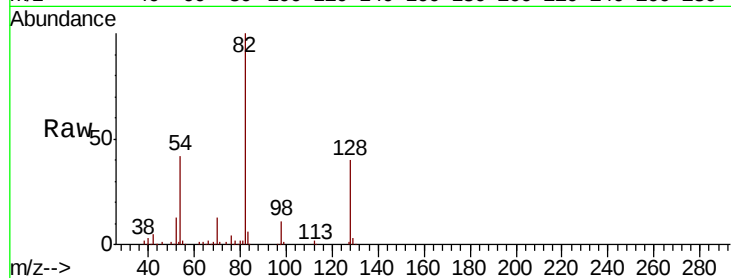
ClientSampled :

TP-8

Tot Ion:	82	Resp:	175435
Ion Ratio	Lower	Upper	
82	100		
128	40.3	32.8	49.2
54	42.1	36.9	55.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

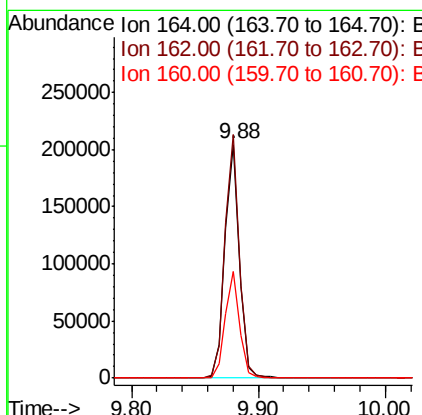
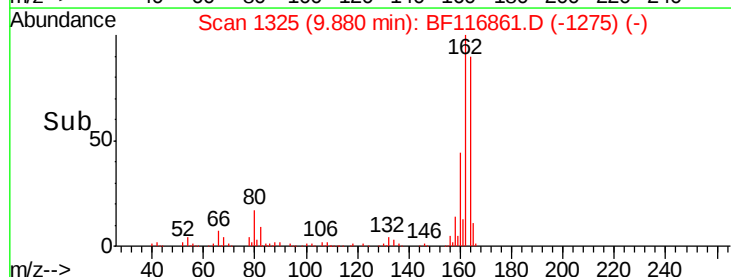
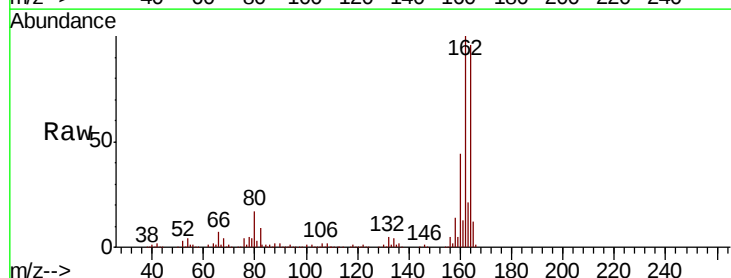
RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116861.D

Acq: 6 Sep 2019 14:54

Tgt Ion:	164	Resp:	163479
Ion Ratio	Lower	Upper	
164	100		
162	104.1	81.4	122.0
160	45.8	35.4	53.2





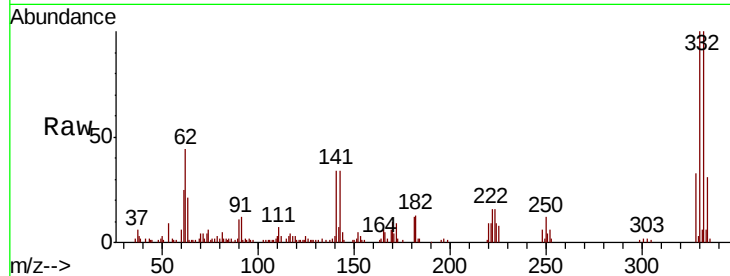
#42
 2,4,6-Tribromophenol
 Concen: 54.111 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116861.D
 Acq: 6 Sep 2019 14:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.9	115.3
141	45.1	31.4	47.2

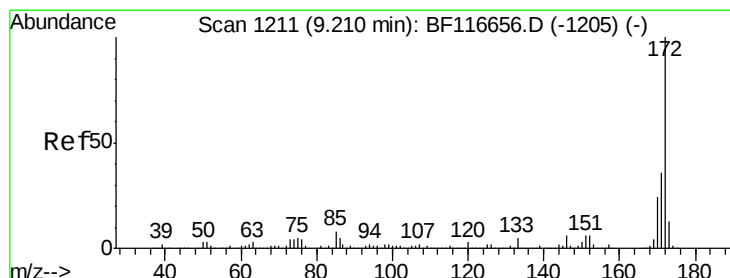
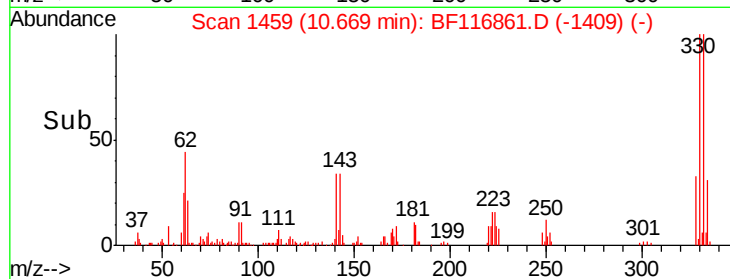
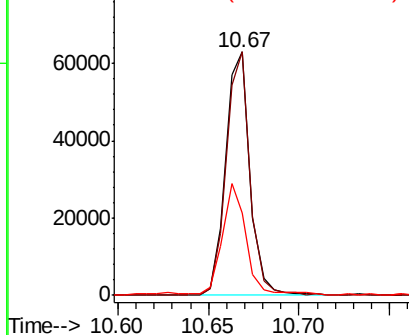
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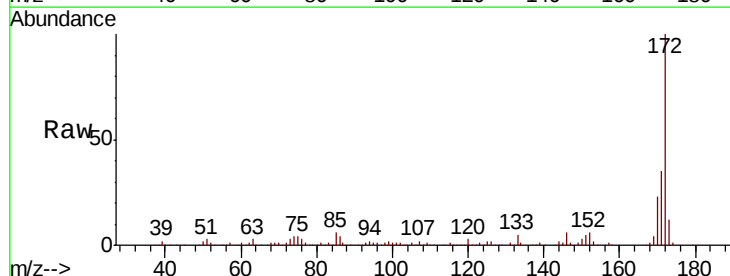
Abundance

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



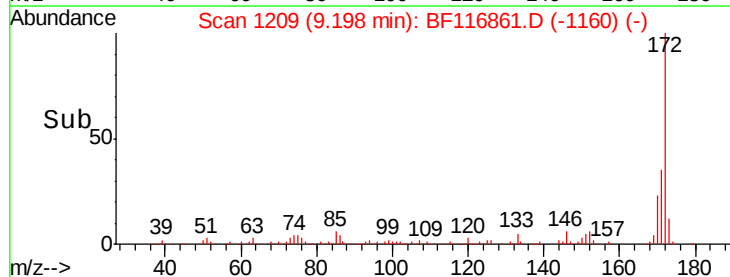
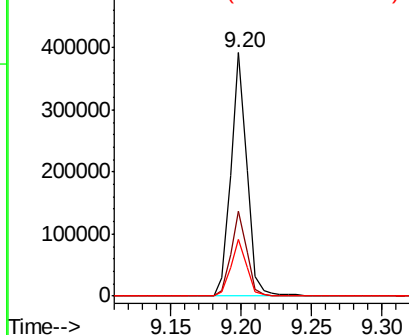
#45
 2-Fluorobiphenyl
 Concen: 32.032 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116861.D
 Acq: 6 Sep 2019 14:54

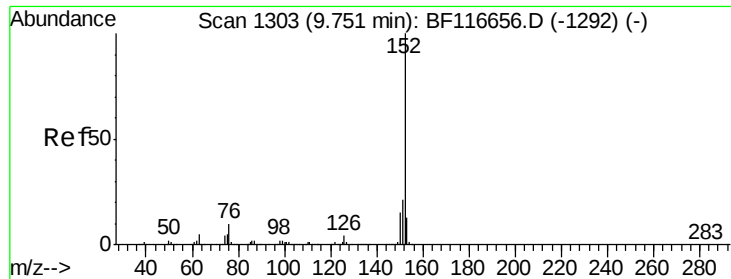
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.6
170	23.3	18.9	28.3



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





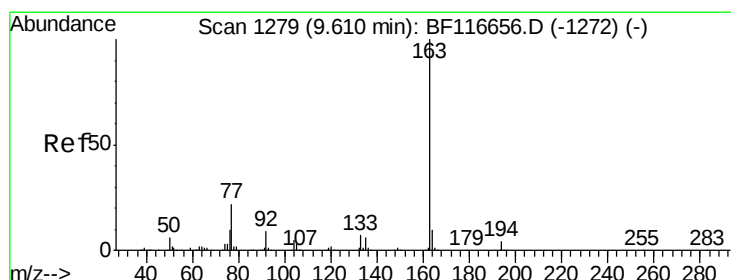
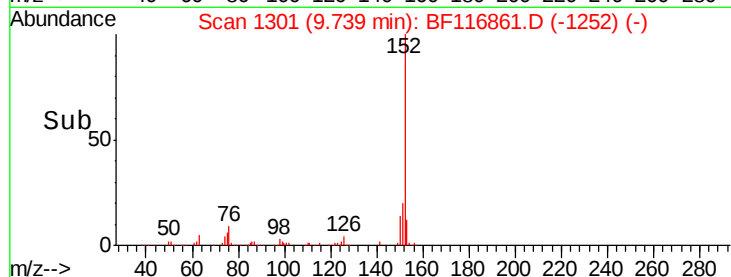
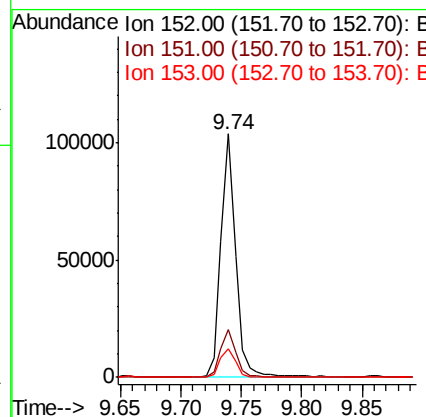
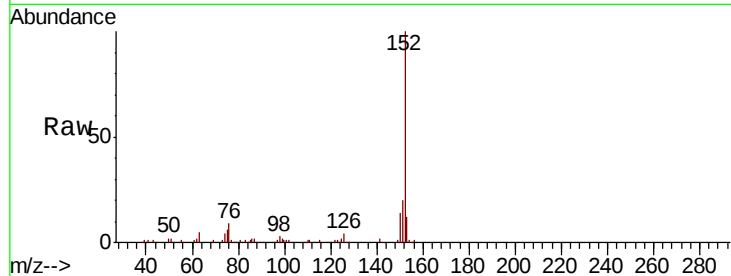
#49
Acenaphthylene
Concen: 5.880 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF116861.D
Acq: 6 Sep 2019 14:54

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.9	23.9
153	12.0	10.9	16.3

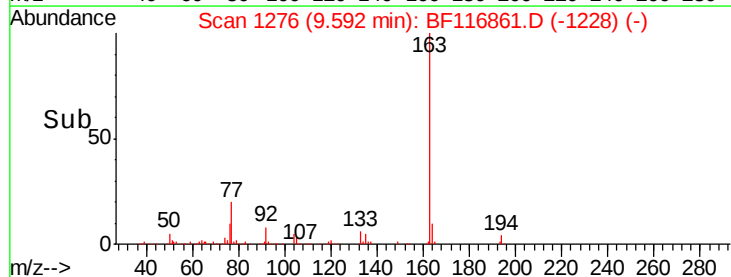
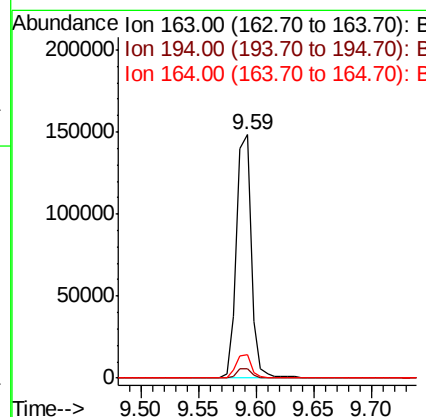
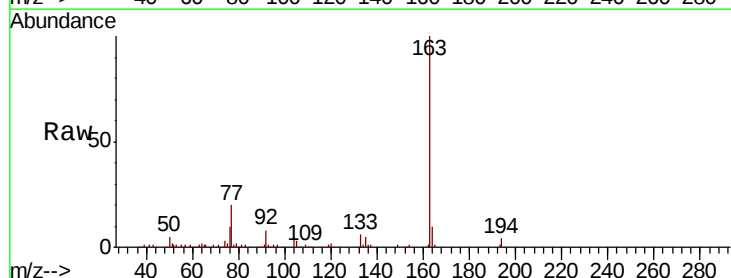
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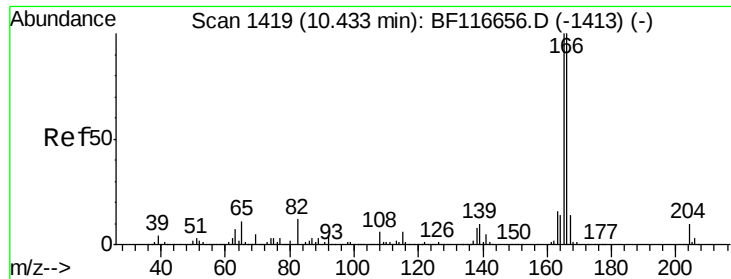
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#50
Dimethylphthalate
Concen: 11.818 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116861.D
Acq: 6 Sep 2019 14:54

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.8	4.2
164	9.7	8.6	12.8





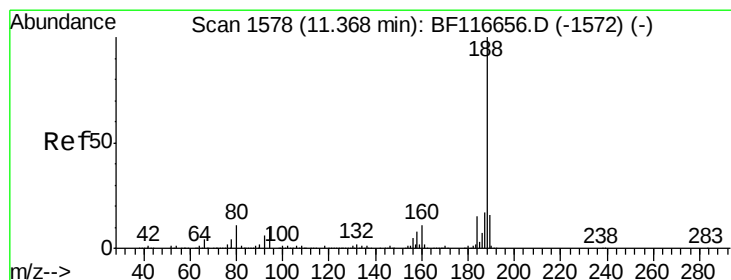
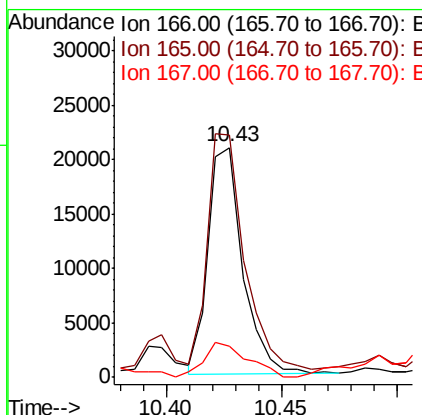
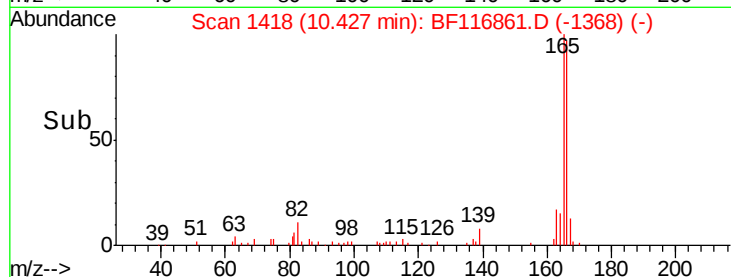
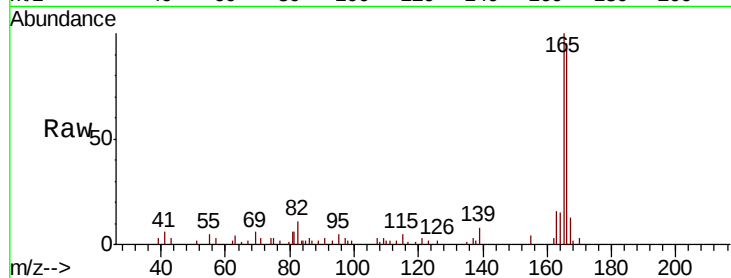
#58
 Fluorene
 Concen: 2.211 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: BF116861.D
 Acq: 6 Sep 2019 14:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	105.3	78.8	21675	118.2	
167	13.7	10.0		15.0	

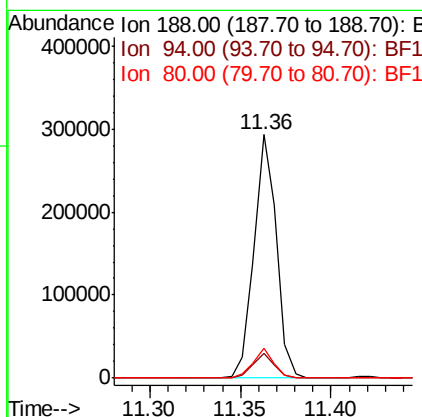
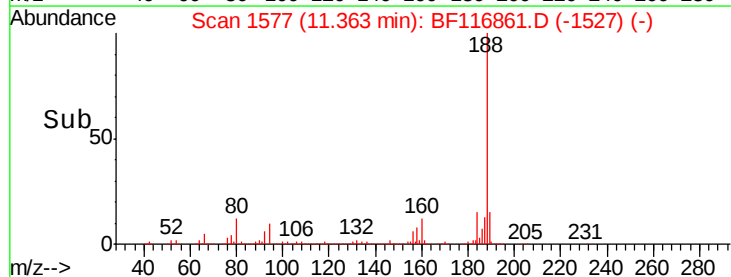
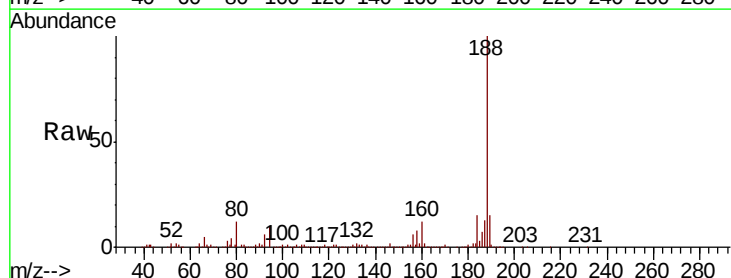
Manual Integrations
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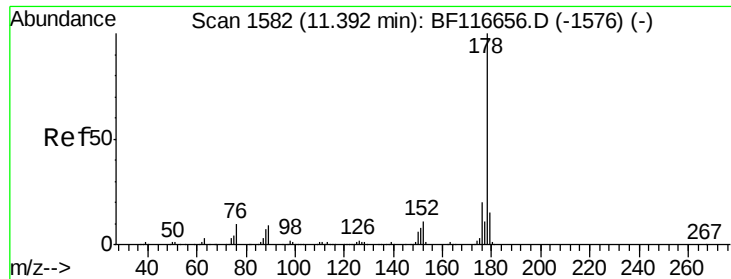
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF116861.D
 Acq: 6 Sep 2019 14:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		251807		
94	10.2	7.3		10.9	
80	12.2	8.4		12.6	





#71

Phenanthrene

Concen: 32.619 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116861.D

Acq: 6 Sep 2019 14:54

Instrument :

BNA_F

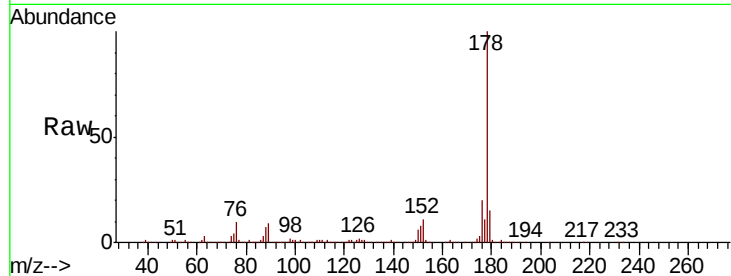
ClientSampleId :

TP-8

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	19.7	15.4	23.0	
179	15.1	12.2	18.2	

Manual Integrations
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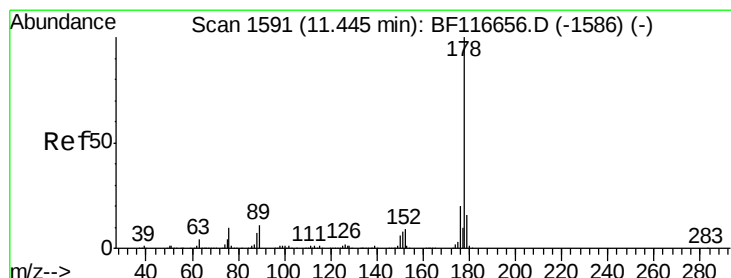
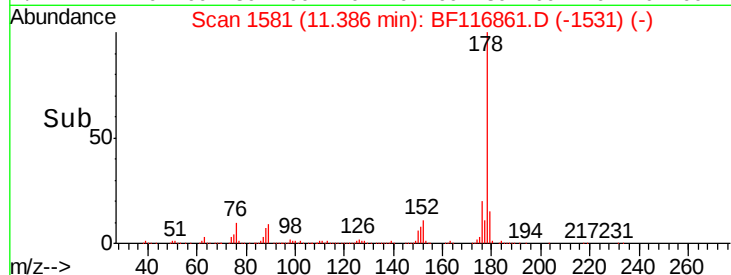
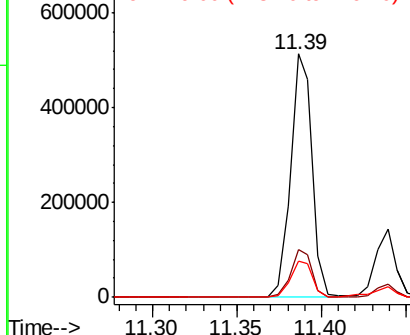


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 8.299 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.00 min

Lab File: BF116861.D

Acq: 6 Sep 2019 14:54

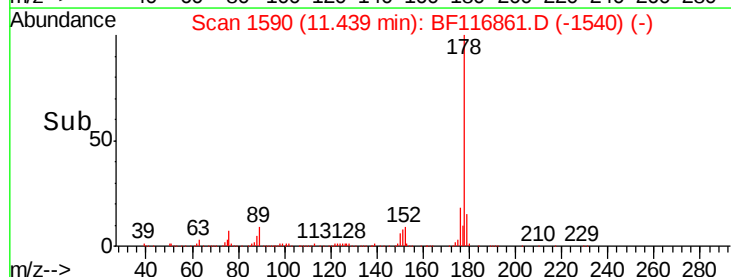
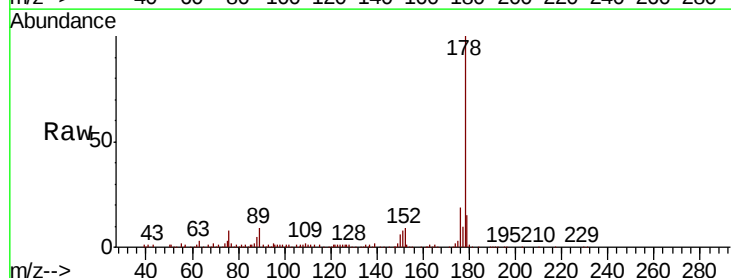
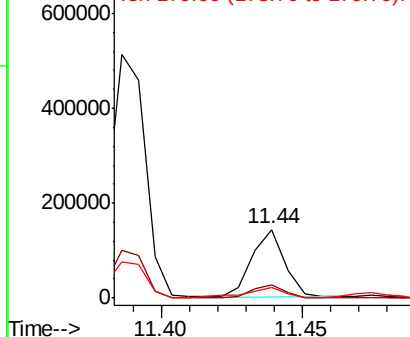
Tgt Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.6	15.4	23.0	
179	15.2	12.5	18.7	

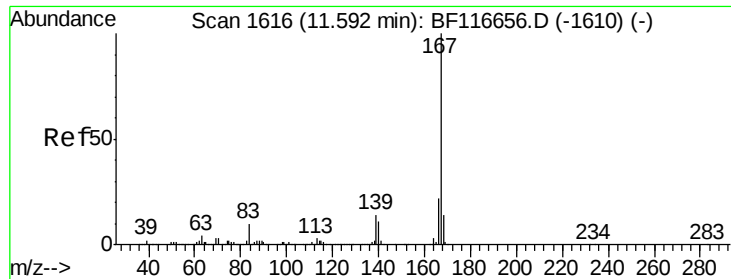
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





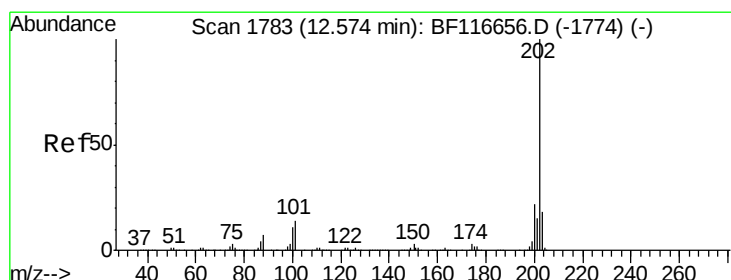
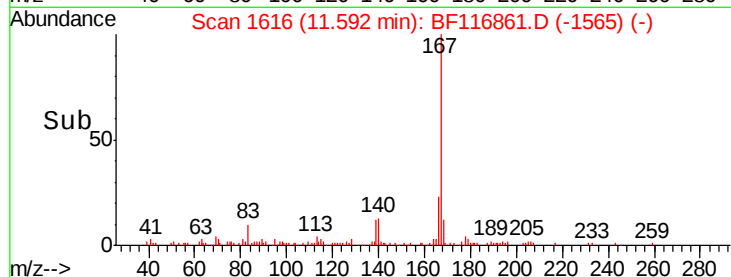
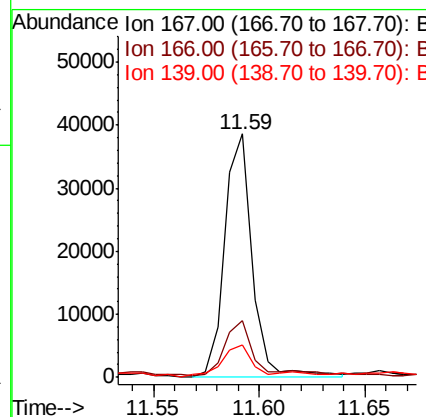
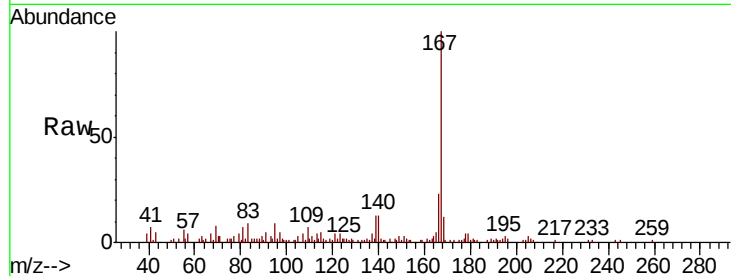
#73
 Carbazole
 Concen: 2.614 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: BF116861.D
 Acq: 6 Sep 2019 14:54

Instrument :
 BNA_F
 ClientSampled :
 TP-8

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.5	17.8	26.6
139	13.3	11.1	16.7

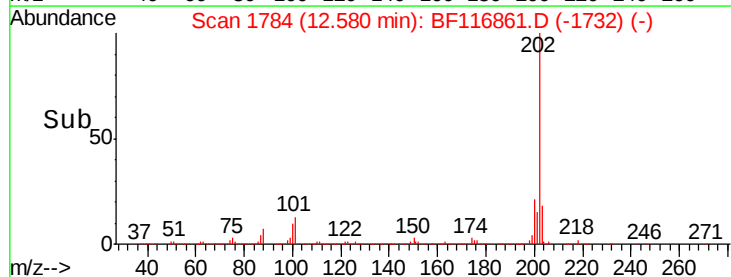
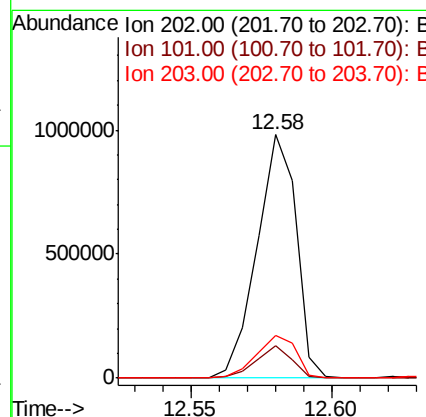
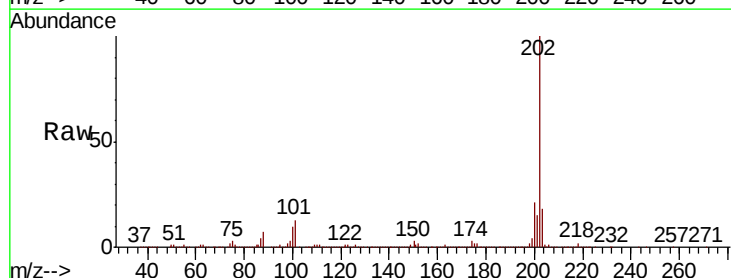
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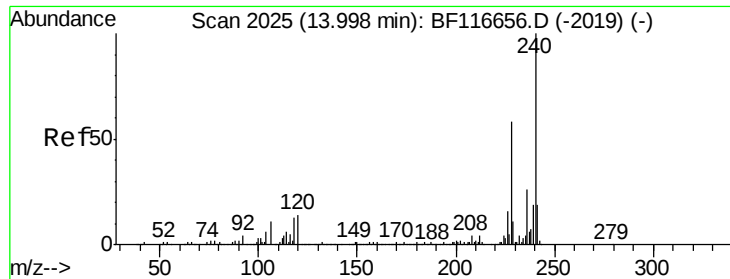
mohammad
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#75
 Fluoranthene
 Concen: 68.492 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BF116861.D
 Acq: 6 Sep 2019 14:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	31.3
203	17.7	0.0	37.6





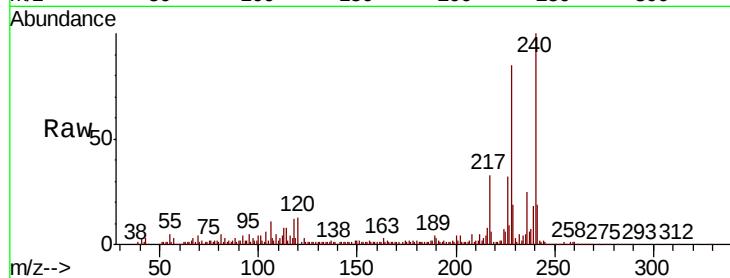
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF116861.D
Acq: 6 Sep 2019 14:54

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	Ratio	Resp	Lower	Upper
240	100	164599		
120	12.9		9.1	13.7
236	25.3		21.1	31.7

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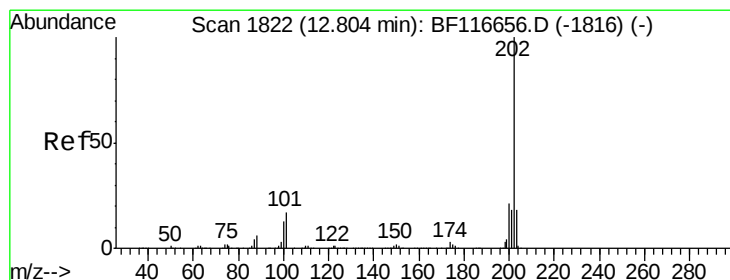
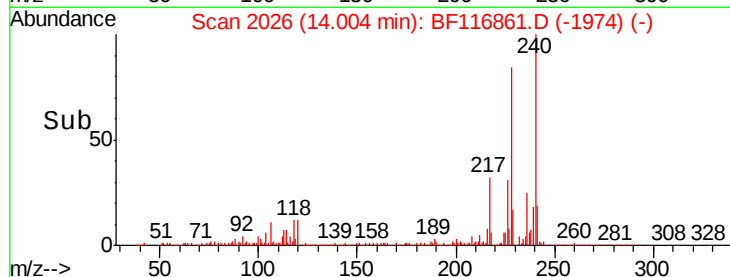
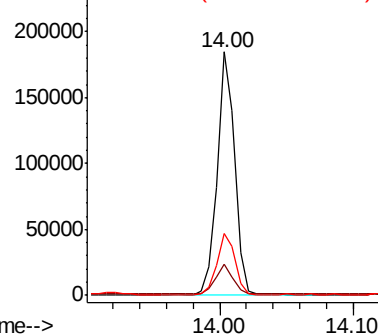


Abundance

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: 55.949 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF116861.D
Acq: 6 Sep 2019 14:54

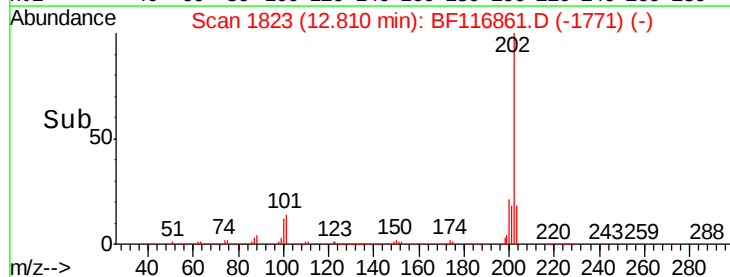
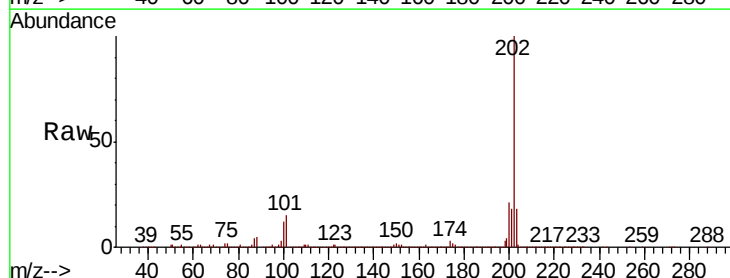
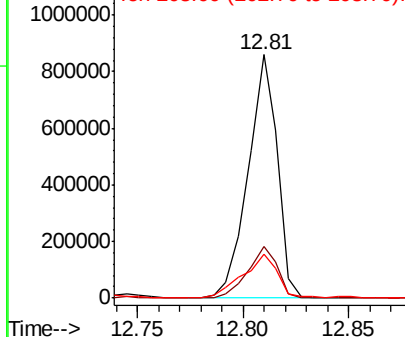
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	818639		
200	21.1		16.5	24.7
203	18.2		13.7	20.5

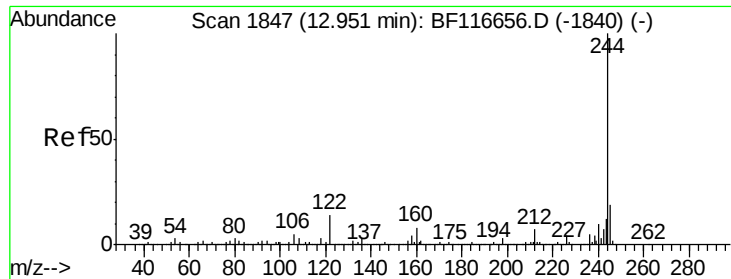
Abundance

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: 30.188 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116861.D

Acq: 6 Sep 2019 14:54

Instrument :

BNA_F

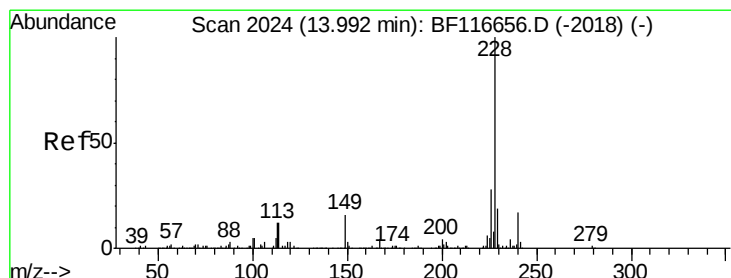
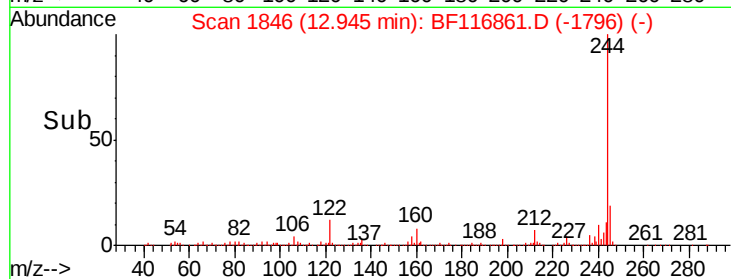
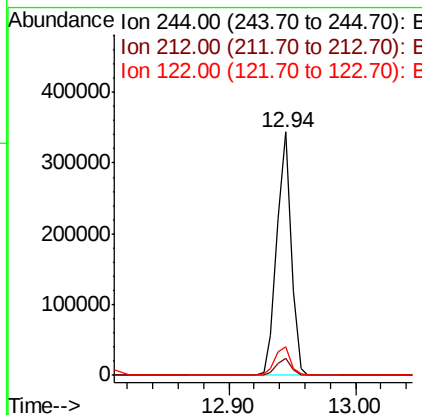
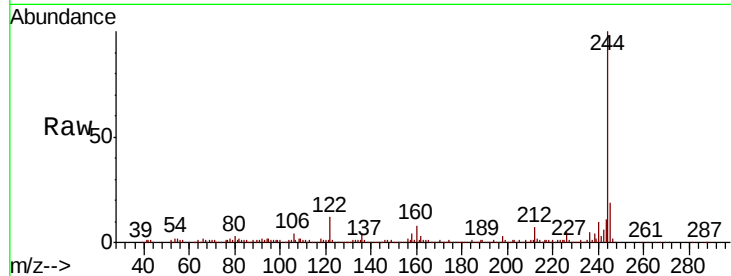
ClientSampled :

TP-8

Tot Ion:	244	Resp:	268595
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.1	9.1
122	11.9	10.2	15.4

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#81

Benzo(a)anthracene

Concen: 44.245 ng m

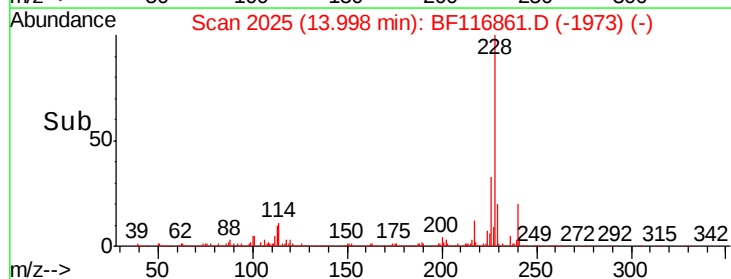
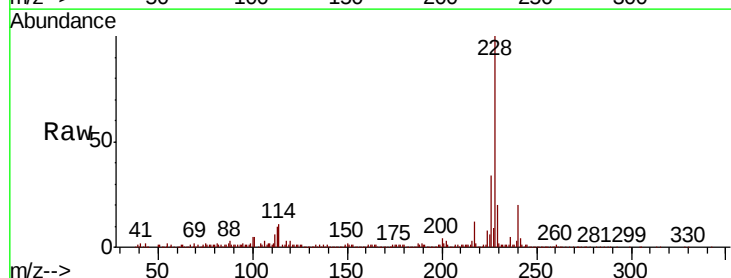
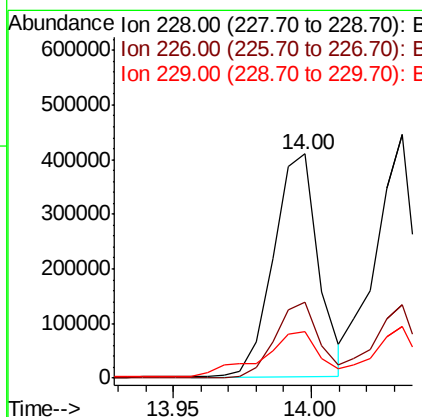
RT: 14.00 min Scan# 2025

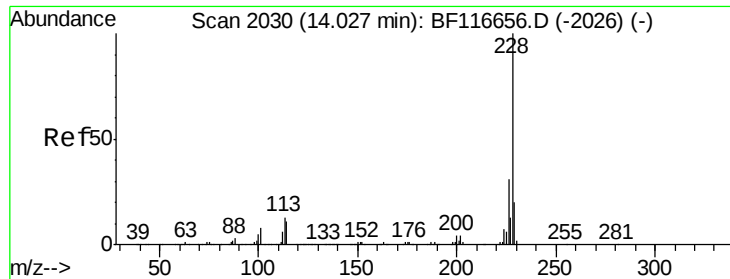
Delta R.T. 0.01 min

Lab File: BF116861.D

Acq: 6 Sep 2019 14:54

Tgt Ion:	228	Resp:	460914
Ion Ratio	Lower	Upper	
228	100		
226	33.6	22.0	33.0#
229	20.5	16.4	24.6





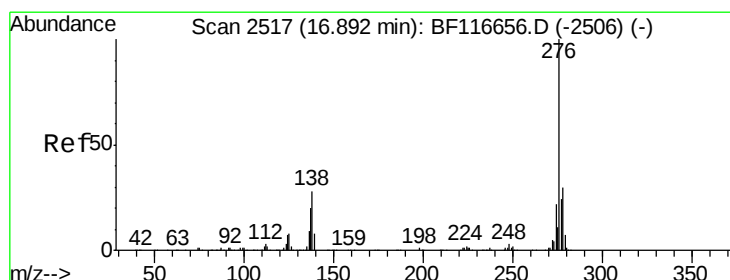
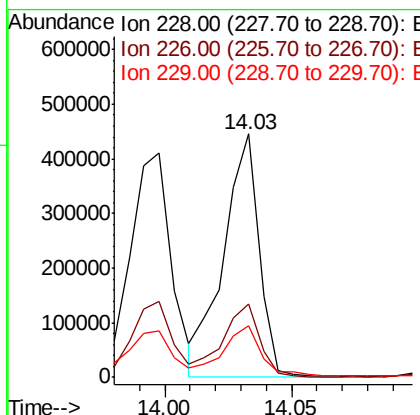
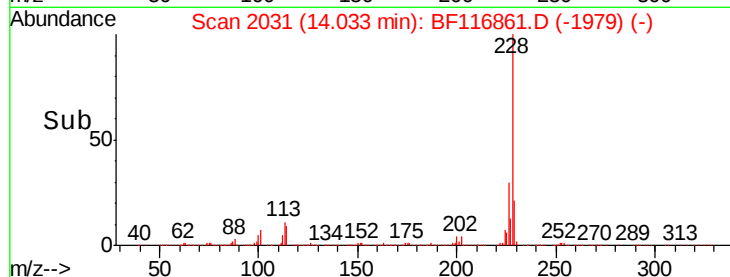
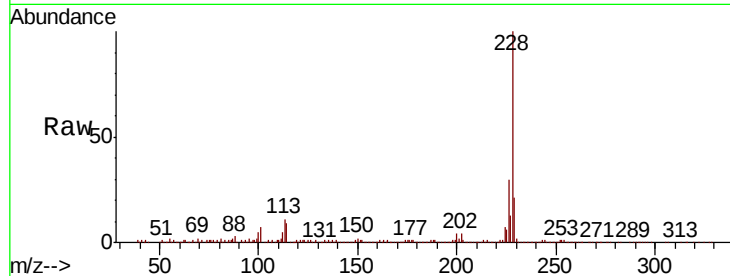
#83
Chrysene
Concen: 40.160 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BF116861.D
Acq: 6 Sep 2019 14:54

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.0	36.0
229	21.1	15.4	23.0

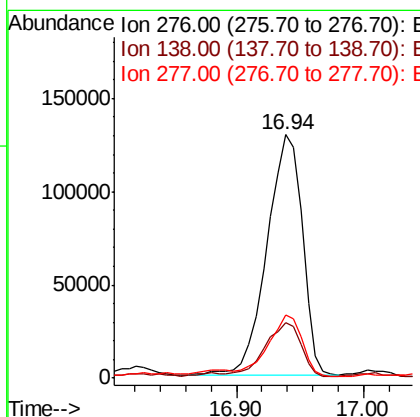
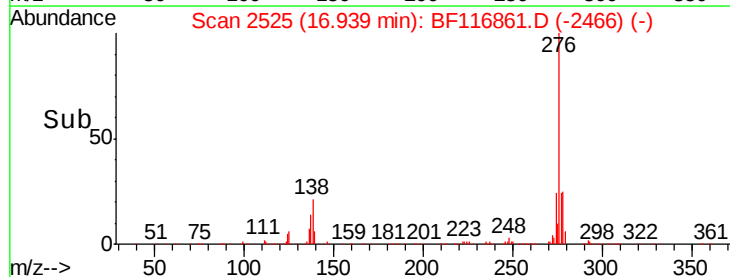
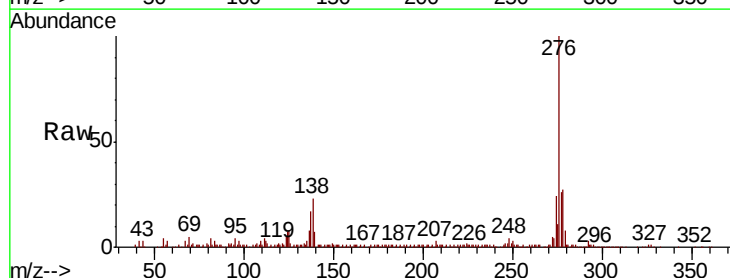
Manual Integrations
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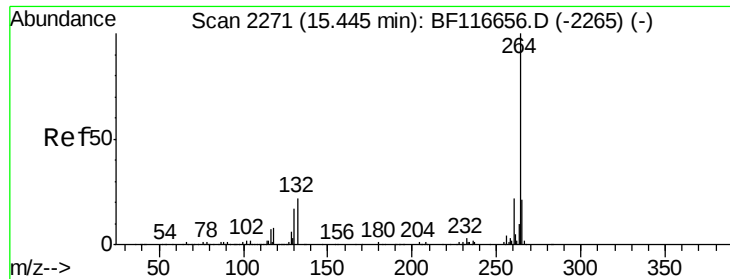
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 28.901 ng
RT: 16.94 min Scan# 2525
Delta R.T. 0.05 min
Lab File: BF116861.D
Acq: 6 Sep 2019 14:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	19.4	29.2
277	24.5	20.5	30.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. 0.03 min

Lab File: BF116861.D

Acq: 6 Sep 2019 14:54

Instrument :

BNA_F

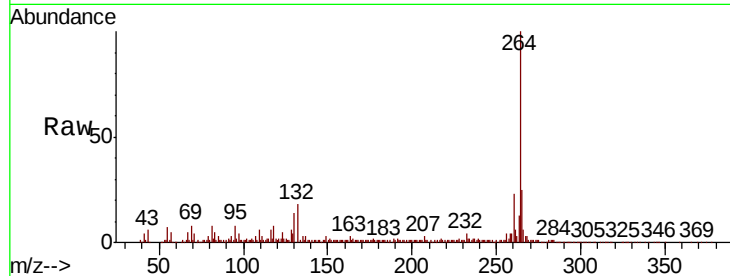
ClientSampleId :

TP-8

Tot Ion:	264	Resp:	187657
Ion Ratio	Lower	Upper	
264	100		
260	22.8	18.3	27.5
265	24.6	16.5	24.7

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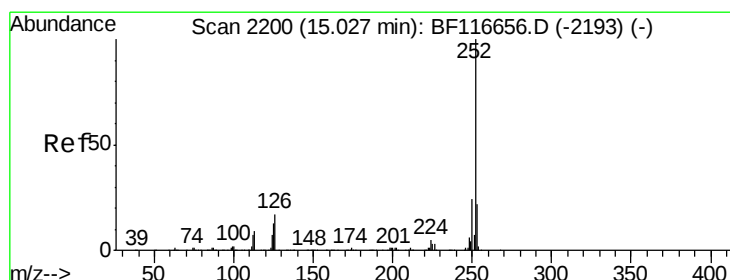
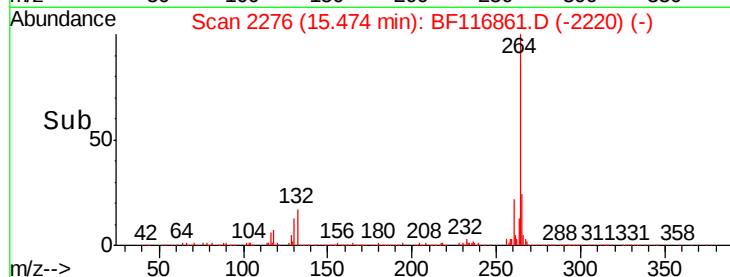
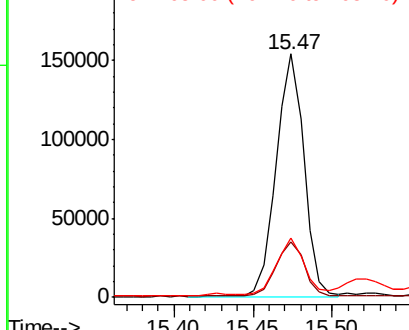


Abundance

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: 57.371 ng m

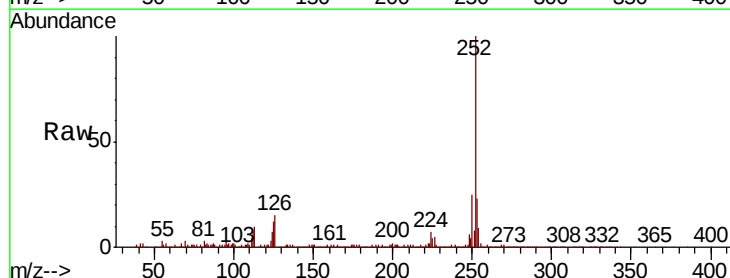
RT: 15.05 min Scan# 2204

Delta R.T. 0.02 min

Lab File: BF116861.D

Acq: 6 Sep 2019 14:54

Tgt Ion:	252	Resp:	650899
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.7	26.5
125	12.4	8.2	12.2#

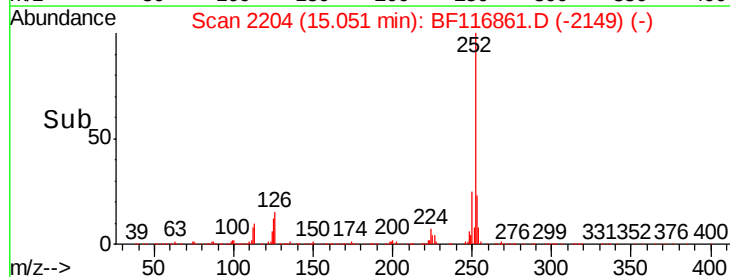
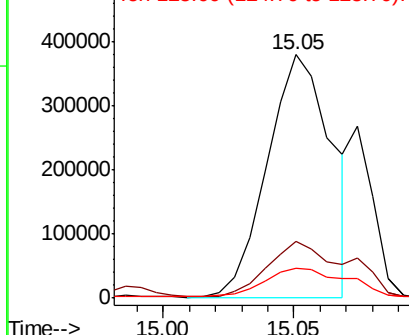


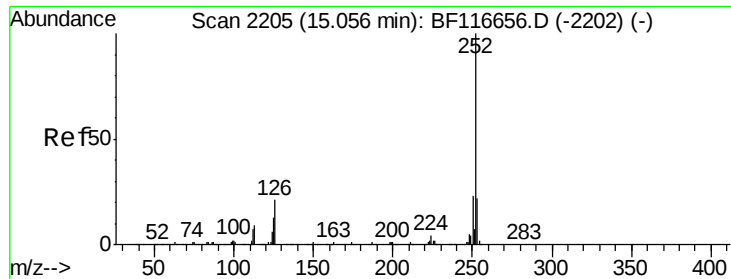
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 16.012 ng/mL

RT: 15.07 min Scan# 2208

Delta R.T. 0.02 min

Lab File: BF116861.D

Acq: 6 Sep 2019 14:54

Instrument :

BNA_F

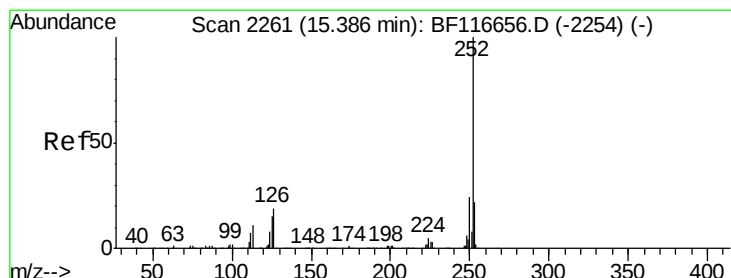
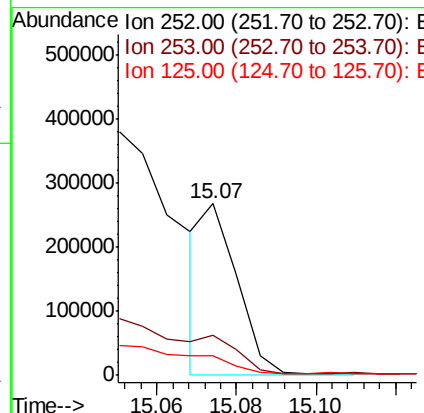
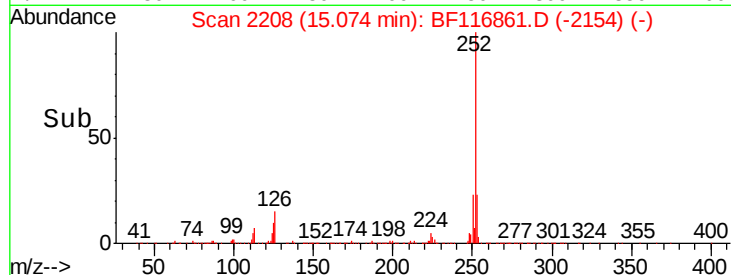
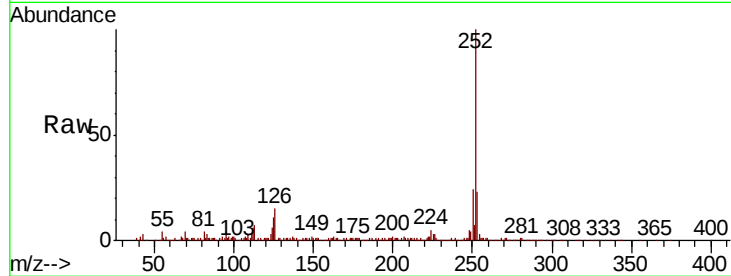
ClientSampleID :

TP-8

Tot Ion:	252	Resp:	165641
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.7	26.5
125	11.1	8.6	13.0

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#90

Benzo(a)pyrene

Concen: 41.197 ng/mL

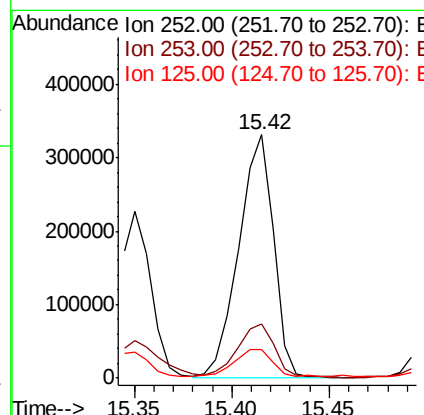
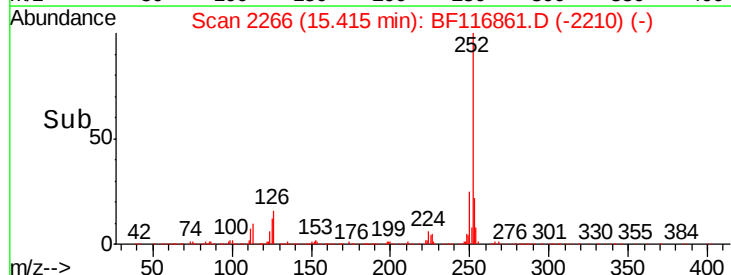
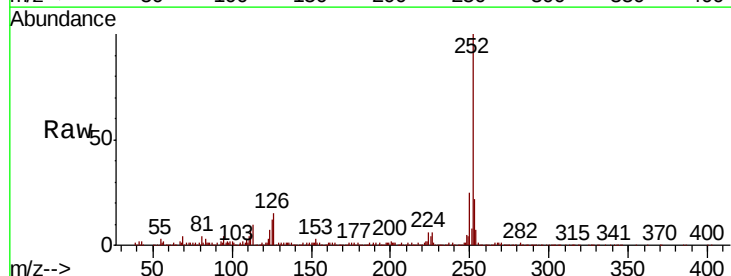
RT: 15.42 min Scan# 2266

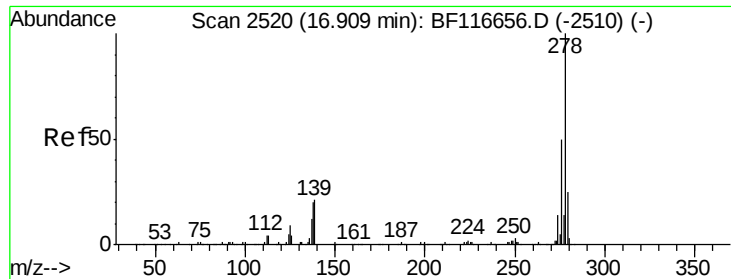
Delta R.T. 0.03 min

Lab File: BF116861.D

Acq: 6 Sep 2019 14:54

Tgt Ion:	252	Resp:	406645
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.1	27.1
125	12.0	9.8	14.8





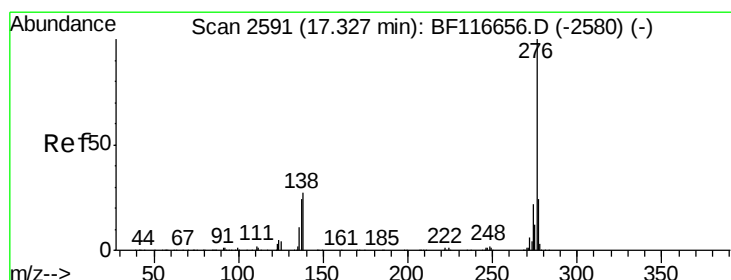
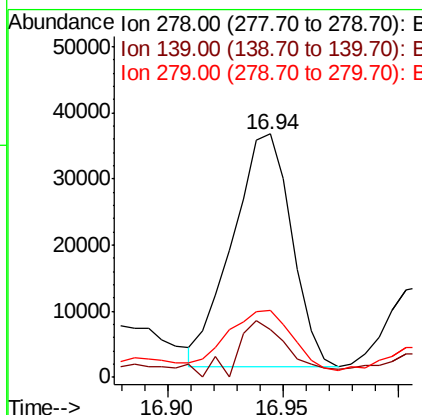
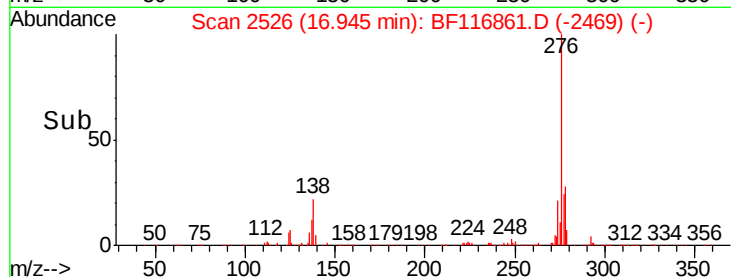
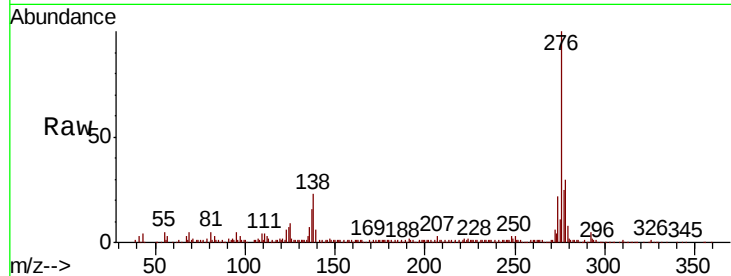
#91
Dibenzo(a,h)anthracene
Concen: 7.279 ng
RT: 16.94 min Scan# 2526
Delta R.T. 0.04 min
Lab File: BF116861.D
Acq: 6 Sep 2019 14:54

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.6	12.4	18.6#
279	27.6	18.2	27.4#

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#92
Benzo(g,h,i)perylene
Concen: 24.618 ng
RT: 17.38 min Scan# 2600
Delta R.T. 0.05 min
Lab File: BF116861.D
Acq: 6 Sep 2019 14:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.5	27.7
138	23.4	16.2	24.2

