

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116542.D
 Acq On : 25 Aug 2019 19:51
 Operator : HP/JU
 Sample : K4403-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T1-I-(0-2.5)

Manual Integrations
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mohammad
 8/29/2019 7:53:33 AM

Quant Time: Aug 26 08:00:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	138440	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	532159	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	248765	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	368044	20.00	ng	0.00
76) Chrysene-d12	14.03	240	202246	20.00	ng	0.00
87) Perylene-d12	15.50	264	206710	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	631255	66.62	ng	0.02
7) Phenol-d6	6.52	99	860168	74.04	ng	0.01
23) Nitrobenzene-d5	7.44	82	519535	53.41	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	142245	66.59	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	739551	47.88	ng	0.00
79) Terphenyl-d14	12.98	244	563718	52.06	ng	0.00
Target Compounds						
10) Phenol	6.53	94	25951	2.057	ng	96
50) Dimethylphthalate	9.63	163	126626	7.296	ng	100
71) Phenanthrene	11.43	178	359967	17.954	ng	97
72) Anthracene	11.47	178	73094	3.628	ng	99
75) Fluoranthene	12.62	202	474035	22.869	ng	99
78) Pyrene	12.84	202	419456	25.934	ng	99
81) Benzo(a)anthracene	14.03	228	168013	12.827	ng	99
83) Chrysene	14.06	228	152406	11.479	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	70572	6.205	ng	# 93
88) Benzo(b)fluoranthene	15.07	252	165614m	12.969	ng	
89) Benzo(k)fluoranthene	15.10	252	54276m	4.692	ng	
90) Benzo(a)pyrene	15.44	252	119211	10.563	ng	# 96
92) Benzo(a,h,i)perylene	17.42	276	66133	7.480	ng	95

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

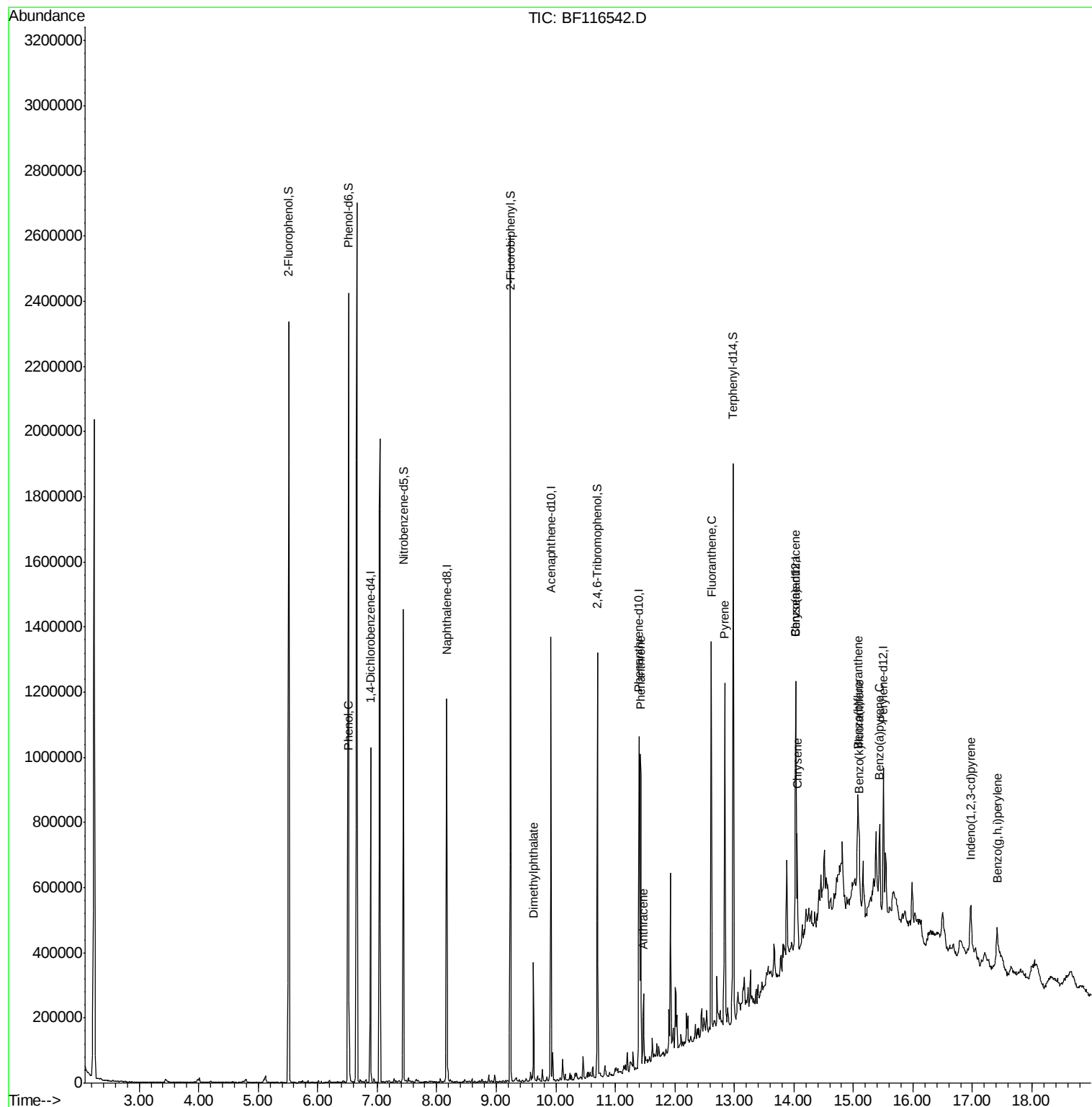
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
Data File : BF116542.D
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ALS Vial : 18 Sample Multiplier: 1

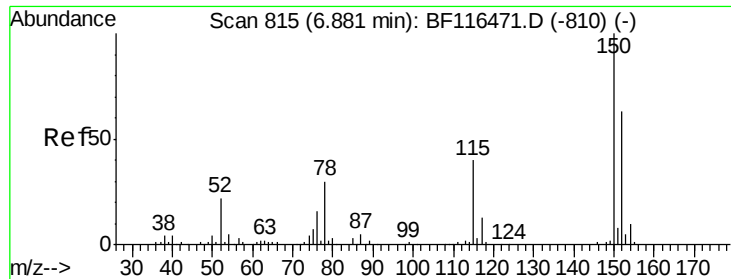
Instrument :
BNA_F
ClientSampleId :
T1-I-(0-2.5)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
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#1

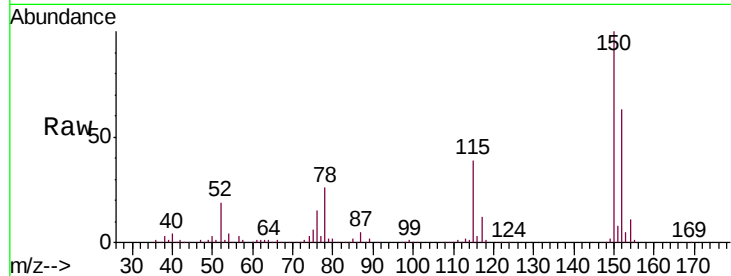
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116542.D
Acq: 25 Aug 2019 19:51

Instrument :
BNA_F
ClientSampleId :
T1-I-(0-2.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	126.7	190.1
115	61.2	50.9	76.3

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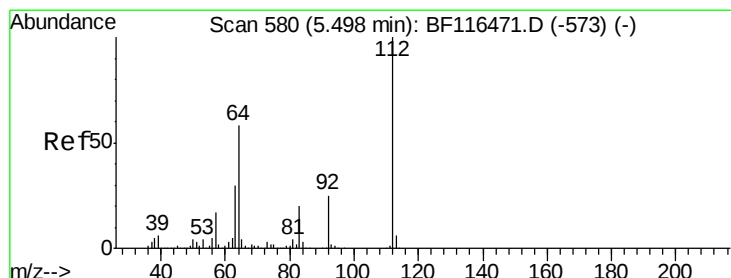
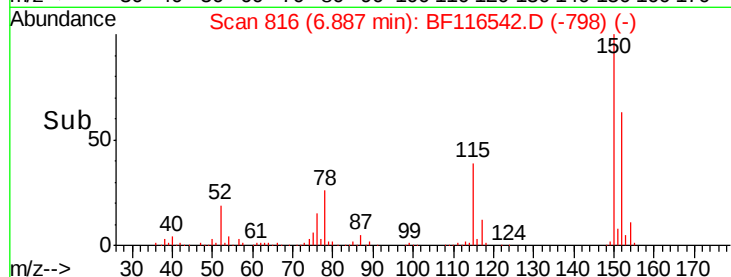
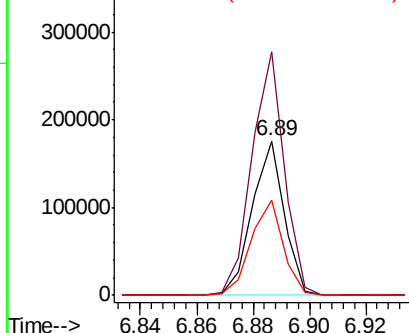


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

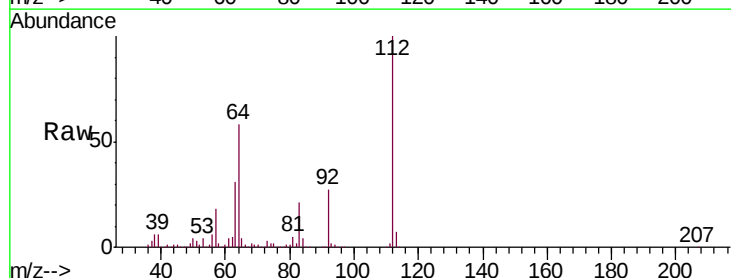
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 66.625 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.02 min
Lab File: BF116542.D
Acq: 25 Aug 2019 19:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	46.3	69.5
63	31.1	24.2	36.4

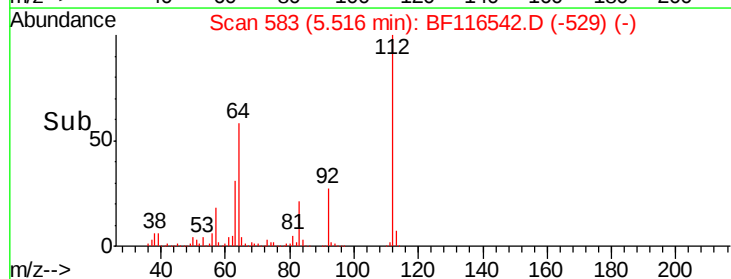
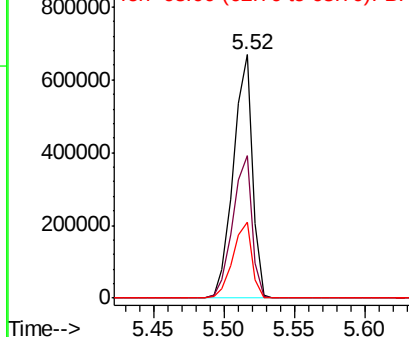


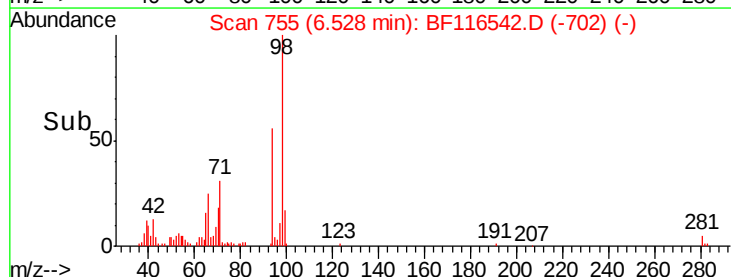
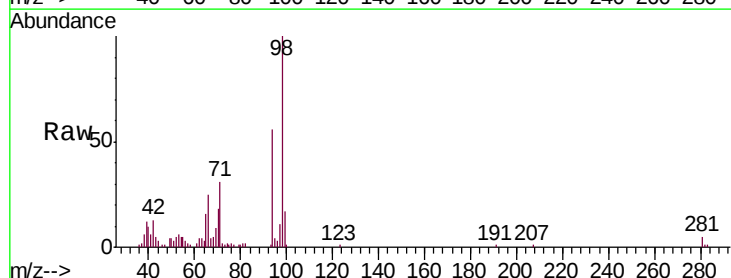
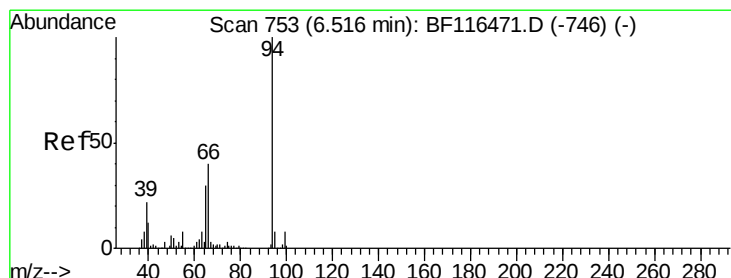
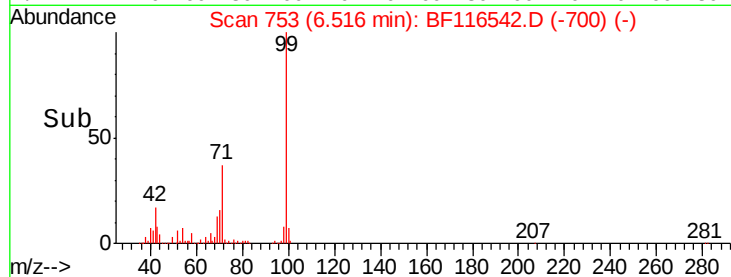
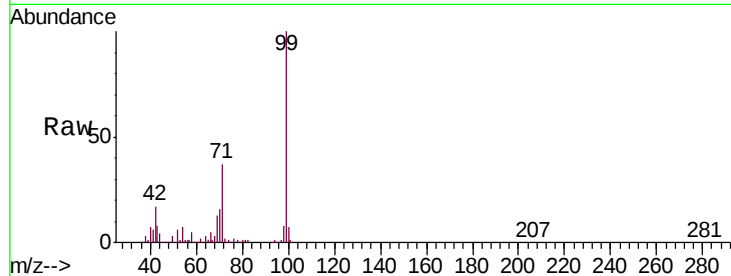
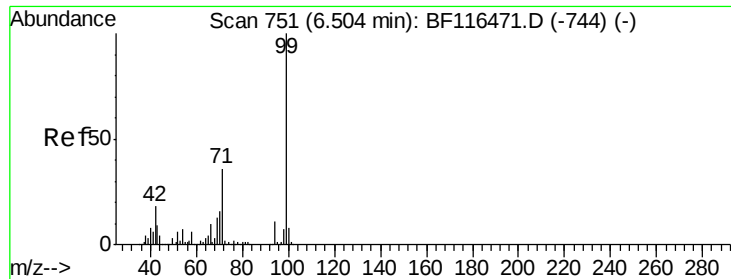
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 74.041 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF116542.D

Acq: 25 Aug 2019 19:51

Tot Ion	99	Resp	860168
Ion Ratio	Lower	Upper	
99	100		
42	17.2	14.6	21.8
71	36.7	28.5	42.7

Instrument :

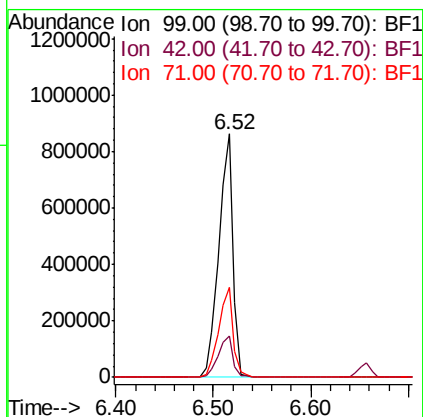
BNA_F

ClientSampled :

T1-I-(0-2.5)

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#10

Phenol

Concen: 2.057 ng

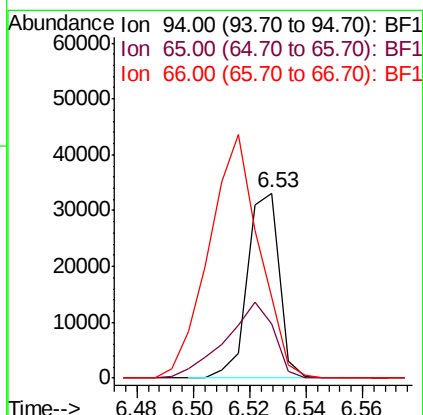
RT: 6.53 min Scan# 755

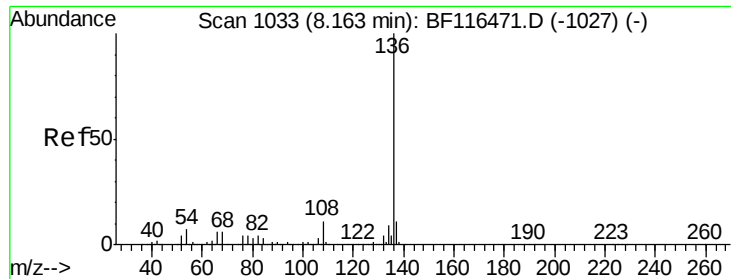
Delta R.T. 0.01 min

Lab File: BF116542.D

Acq: 25 Aug 2019 19:51

Tgt Ion	94	Resp	25951
Ion Ratio	Lower	Upper	
94	100		
65	29.1	10.0	50.0
66	43.6	19.8	59.8





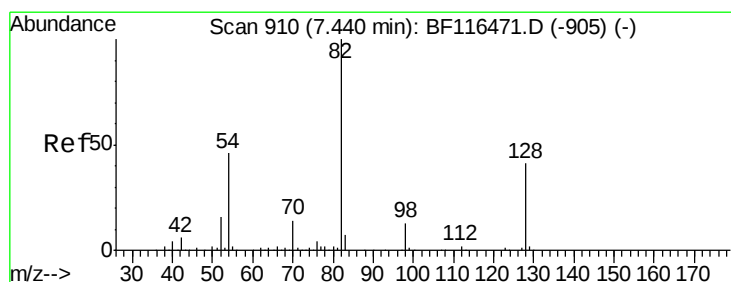
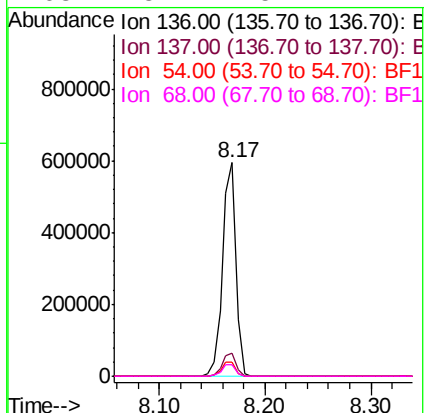
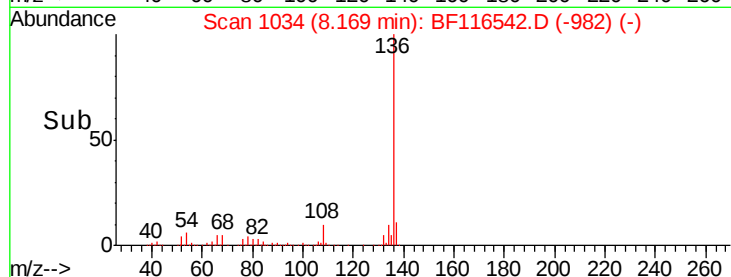
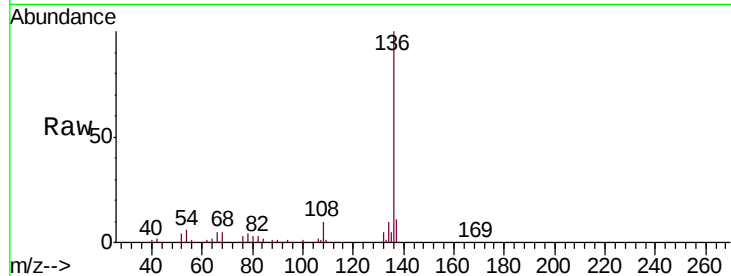
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.01 min
Lab File: BF116542.D
Acq: 25 Aug 2019 19:51

Instrument :
BNA_F
ClientSampleId :
T1-I-(0-2.5)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	9.0	13.4	
54	6.4	5.8	8.6	
68	5.1	5.1	7.7	

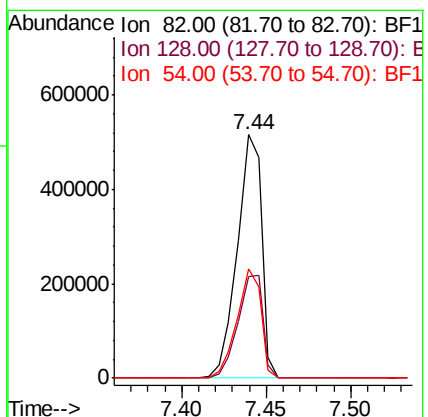
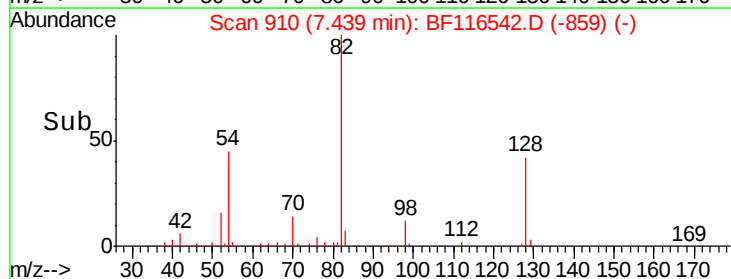
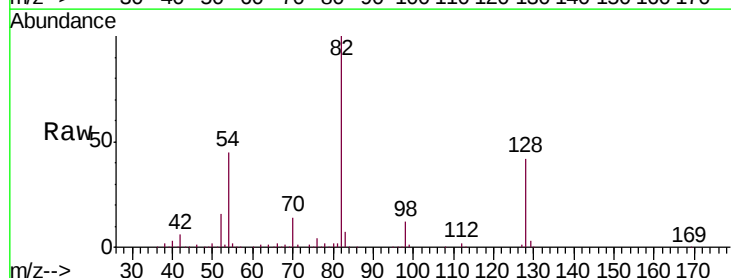
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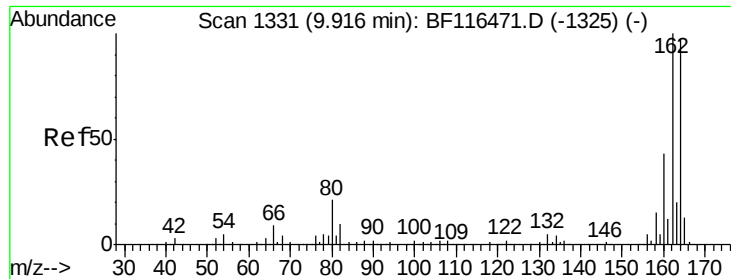
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#23
Nitrobenzene-d5
Concen: 53.412 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF116542.D
Acq: 25 Aug 2019 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.8	32.2	48.4	
54	44.6	36.5	54.7	





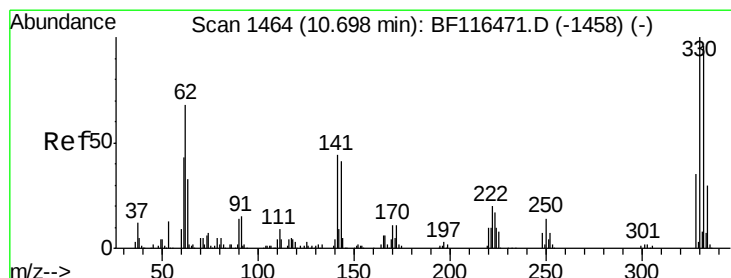
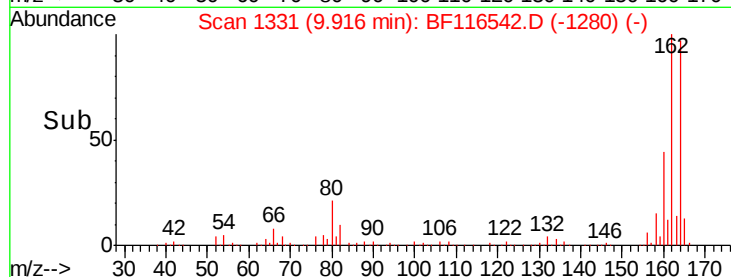
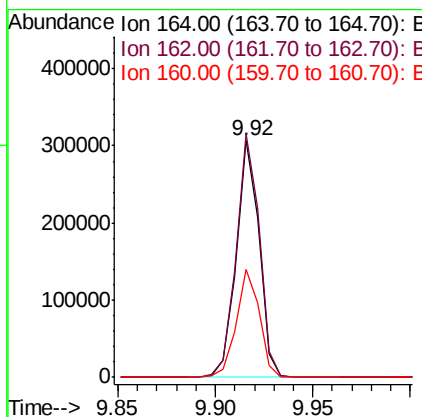
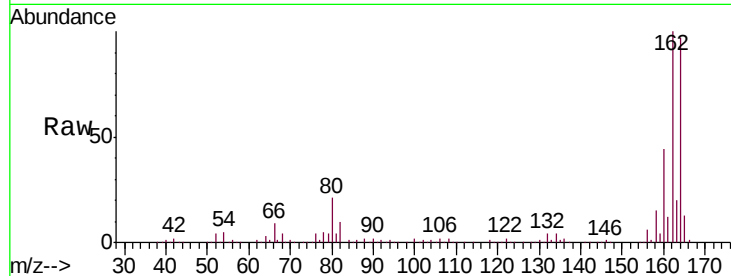
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.00 min
Lab File: BF116542.D
Acq: 25 Aug 2019 19:51

Instrument :
BNA_F
ClientSampleId :
T1-I-(0-2.5)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.8	82.6	123.8	
160	45.4	35.8	53.8	

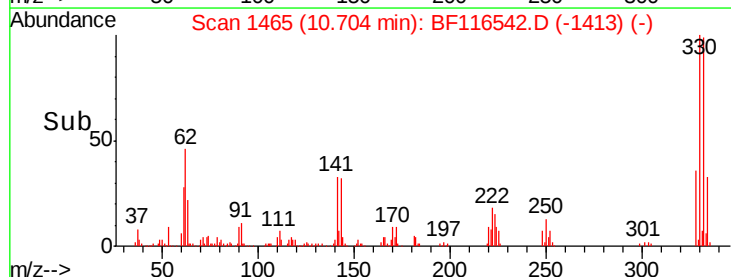
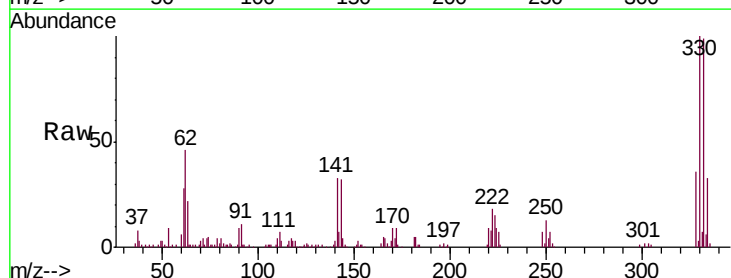
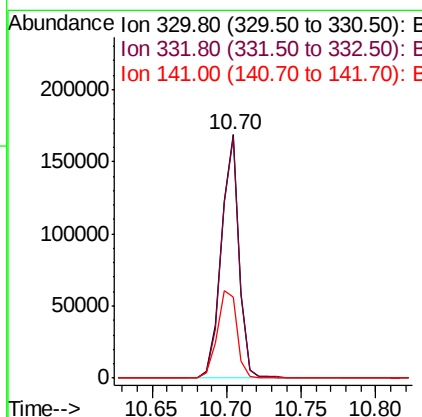
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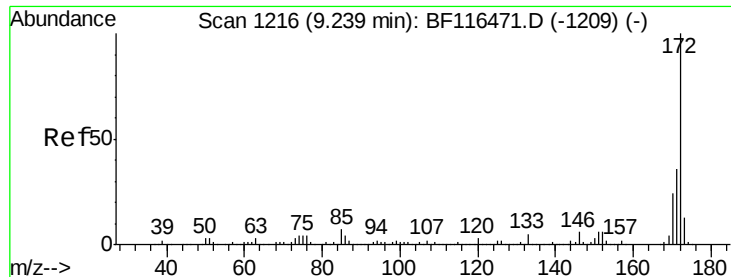
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#42
2,4,6-Tribromophenol
Concen: 66.592 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.01 min
Lab File: BF116542.D
Acq: 25 Aug 2019 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.4	77.2	115.8	
141	40.4	33.3	49.9	





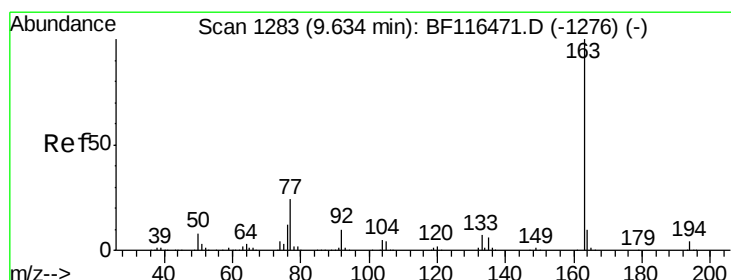
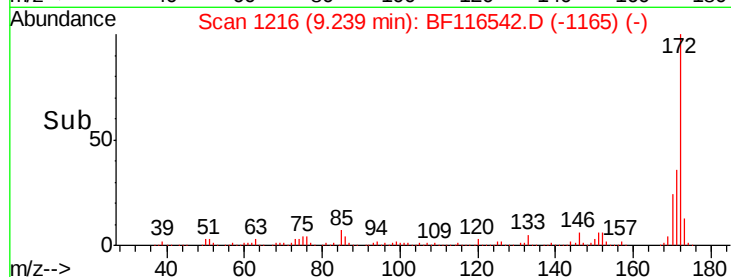
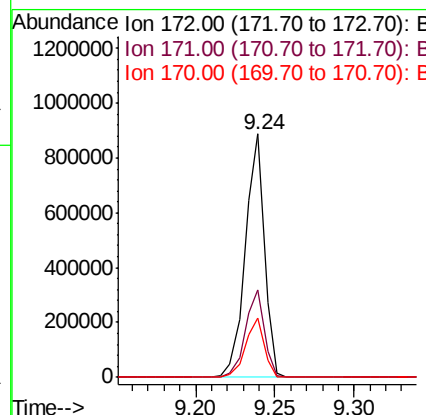
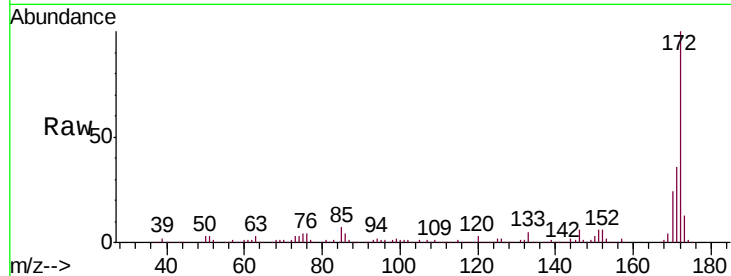
#45
2-Fluorobiphenyl
Concen: 47.876 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.00 min
Lab File: BF116542.D
Acq: 25 Aug 2019 19:51

Instrument :
BNA_F
ClientSampleId :
T1-I-(0-2.5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
172	100				
171	36.1	28.9	43.3		
170	24.3	19.4	29.0		

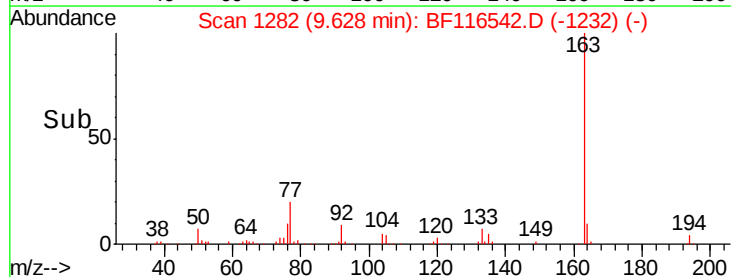
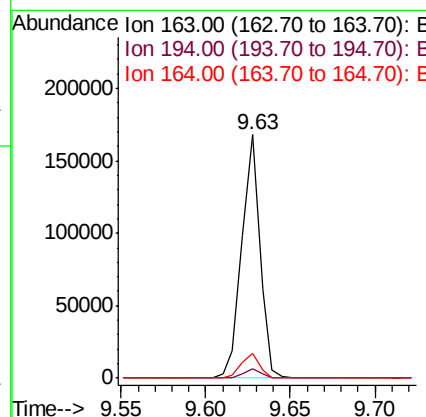
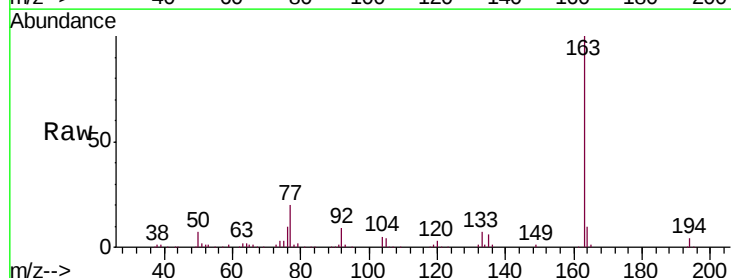
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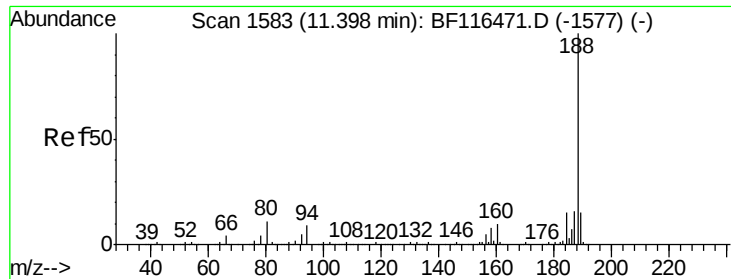
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#50
Dimethylphthalate
Concen: 7.296 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF116542.D
Acq: 25 Aug 2019 19:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100				
194	3.8	2.9	4.3		
164	10.2	8.2	12.2		





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BF116542.D

Acq: 25 Aug 2019 19:51

Instrument :

BNA_F

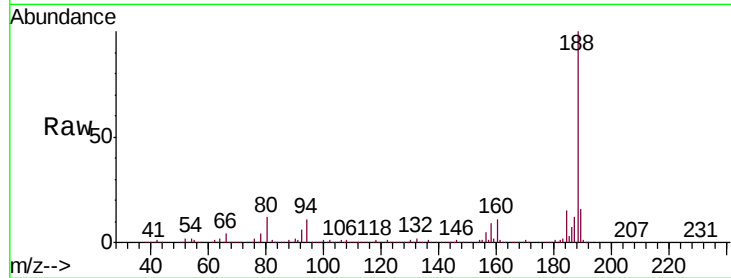
ClientSampleId :

T1-I-(0-2.5)

Tot Ion:188	Resp:	368044
Ion Ratio	Lower	Upper
188 100		
94 10.5	7.4	11.2
80 12.1	8.6	12.8

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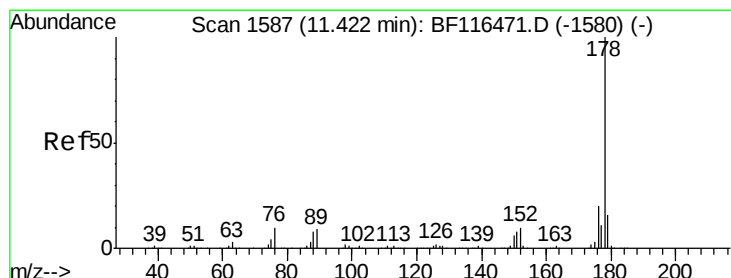
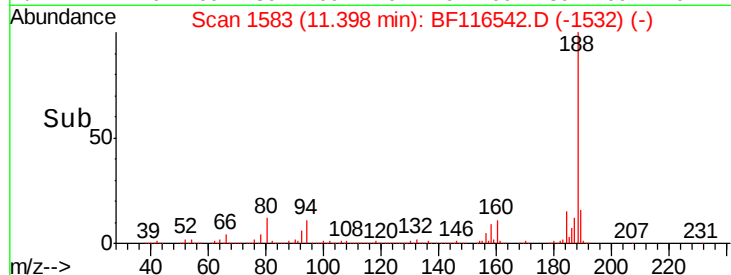
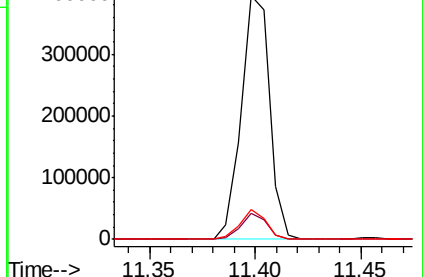
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 17.954 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.01 min

Lab File: BF116542.D

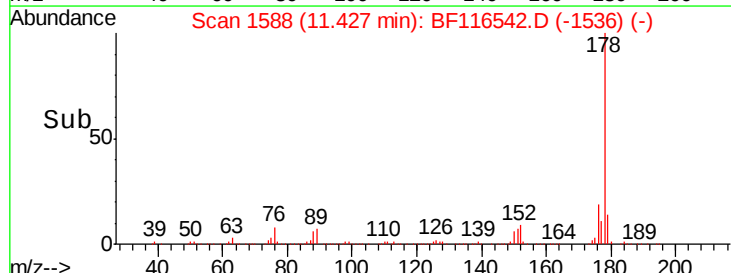
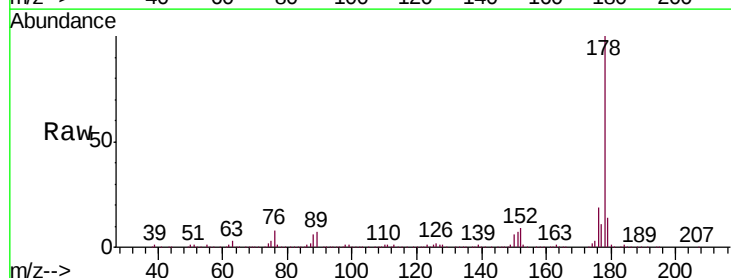
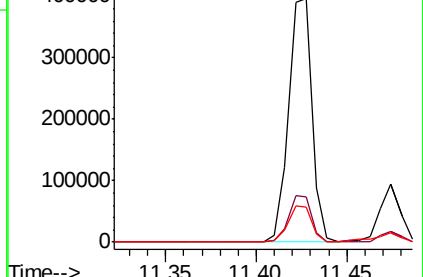
Acq: 25 Aug 2019 19:51

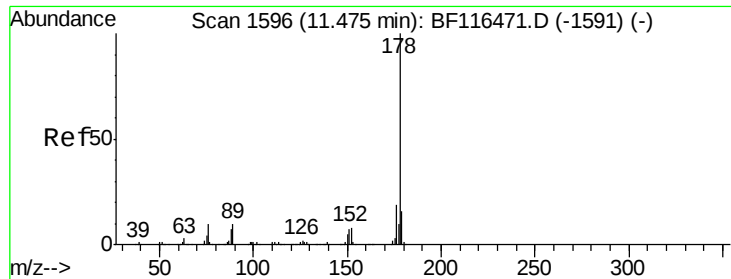
Tgt Ion:178	Resp:	359967
Ion Ratio	Lower	Upper
178 100		
176 18.5	15.8	23.6
179 14.5	12.8	19.2

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: 3.628 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.00 min

Lab File: BF116542.D

Acq: 25 Aug 2019 19:51

Instrument :

BNA_F

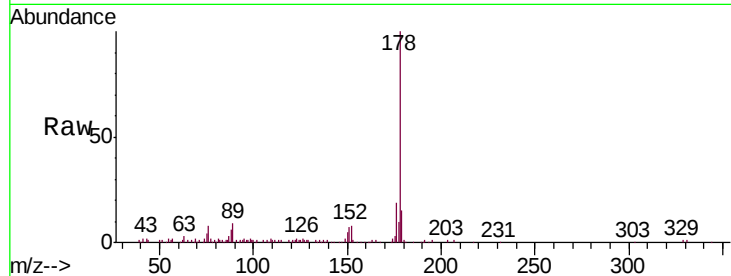
ClientSampled :

T1-I-(0-2.5)

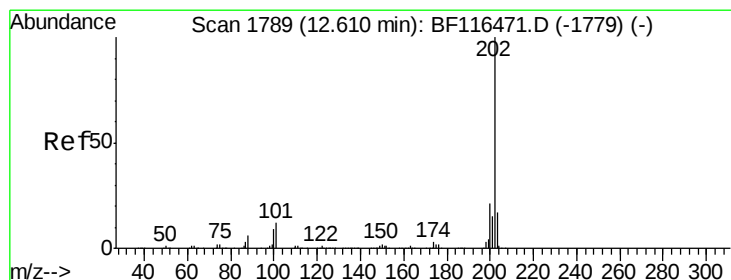
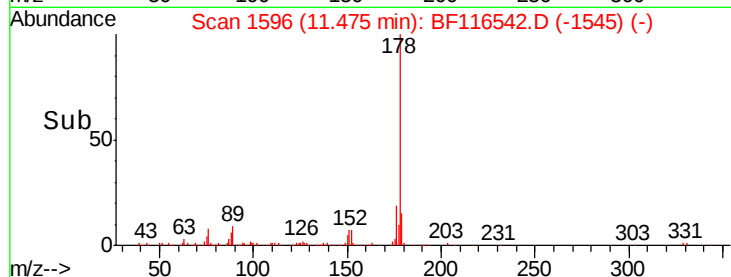
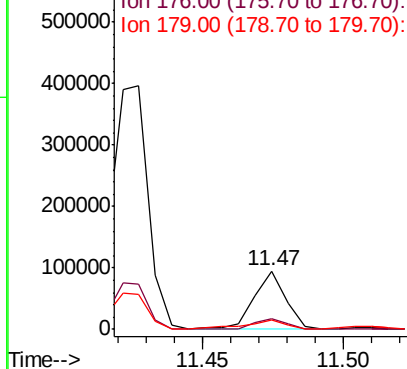
Tot Ion:	178	Resp:	73094
Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	15.1	12.5	18.7

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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



#75

Fluoranthene

Concen: 22.869 ng

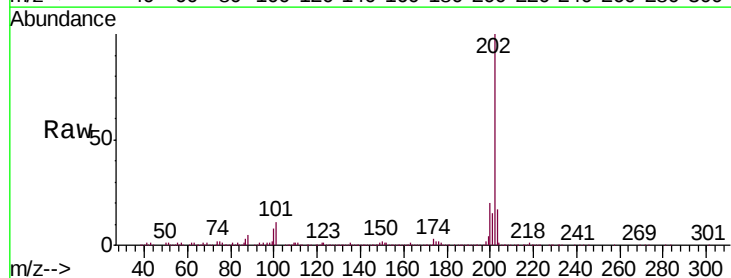
RT: 12.62 min Scan# 1790

Delta R.T. 0.01 min

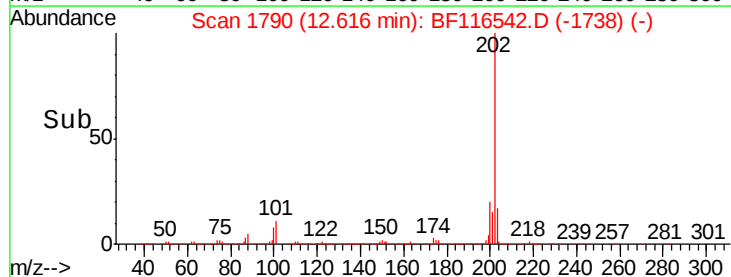
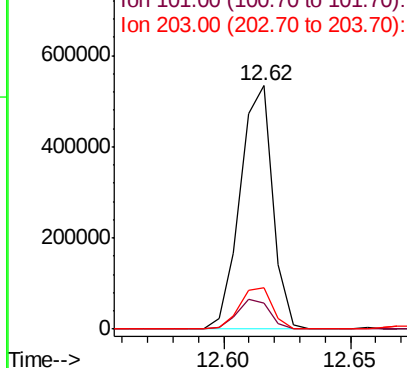
Lab File: BF116542.D

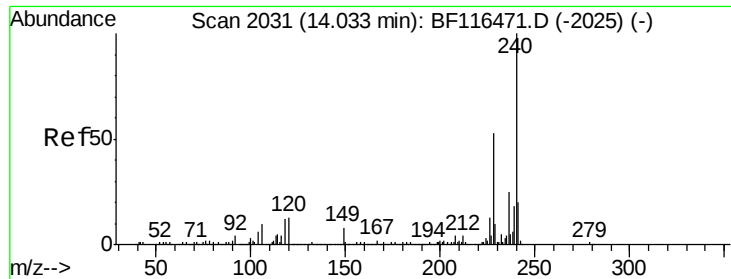
Acq: 25 Aug 2019 19:51

Tgt Ion:	202	Resp:	474035
Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.5
203	17.2	0.0	37.5



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





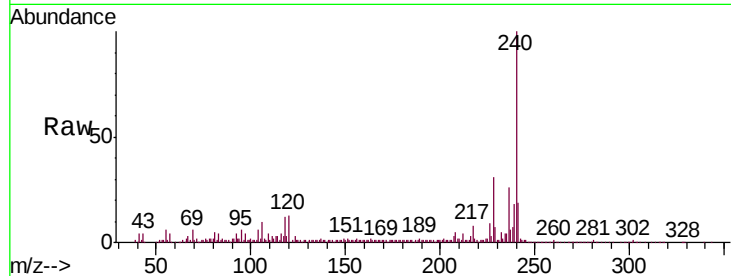
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF116542.D
Acq: 25 Aug 2019 19:51

Instrument :
BNA_F
ClientSampleId :
T1-I-(0-2.5)

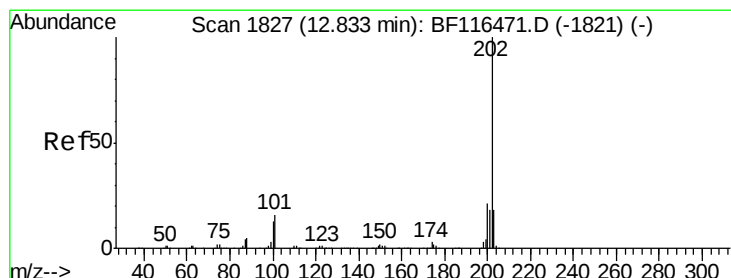
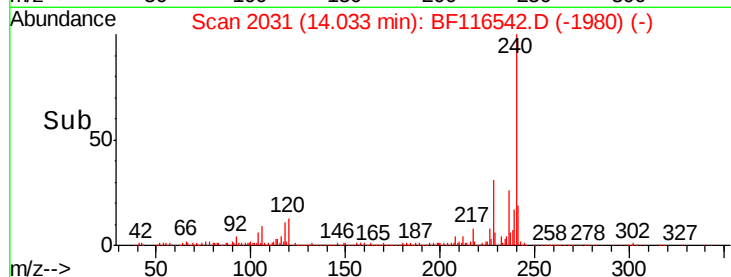
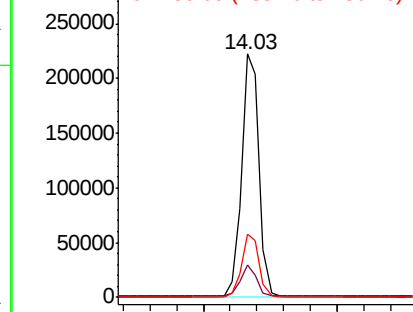
Tot Ion	Ratio	Lower	Upper
240	100		
120	13.3	10.5	15.7
236	26.0	20.2	30.2

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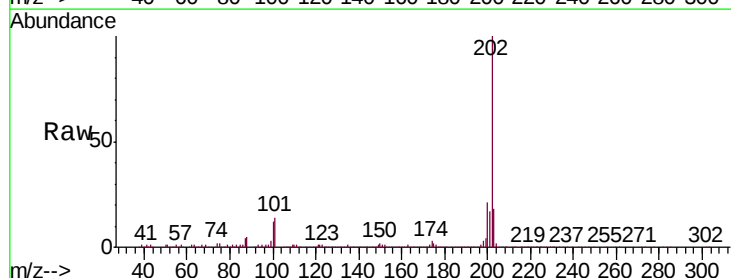


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

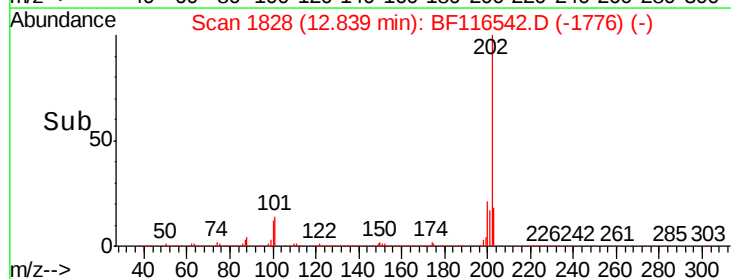
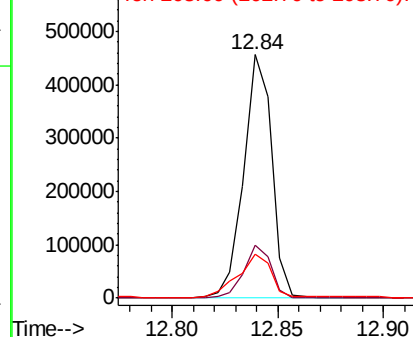


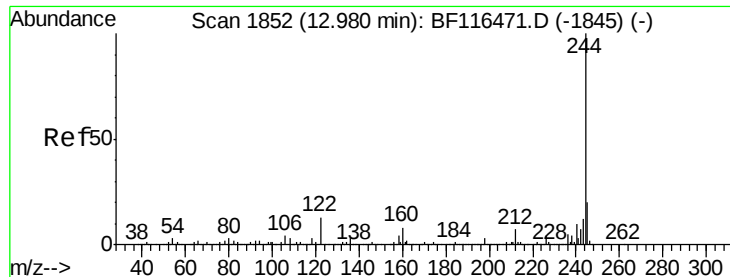
#78
Pyrene
Concen: 25.934 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.01 min
Lab File: BF116542.D
Acq: 25 Aug 2019 19:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.4
203	18.3	14.2	21.4



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





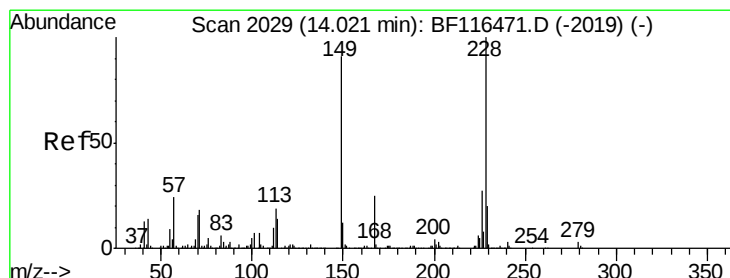
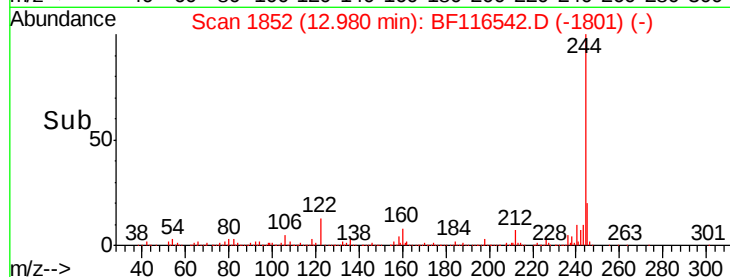
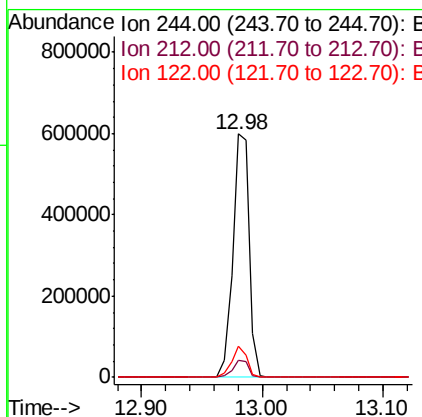
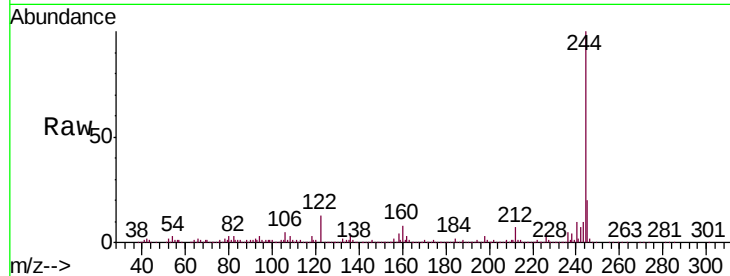
#79
 Terphenyl-d14
 Concen: 52.064 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: BF116542.D
 Acq: 25 Aug 2019 19:51

Instrument :
 BNA_F
 ClientSampleId :
 T1-I-(0-2.5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	13.0	10.2	15.4

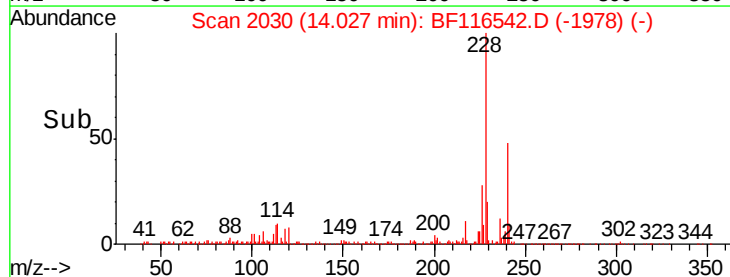
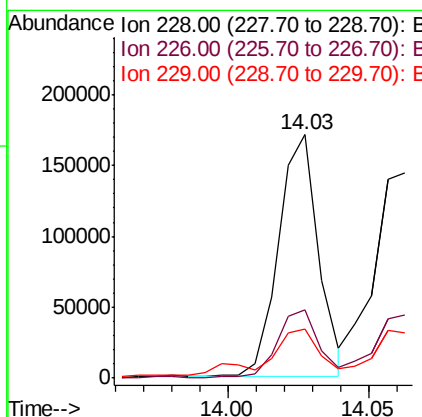
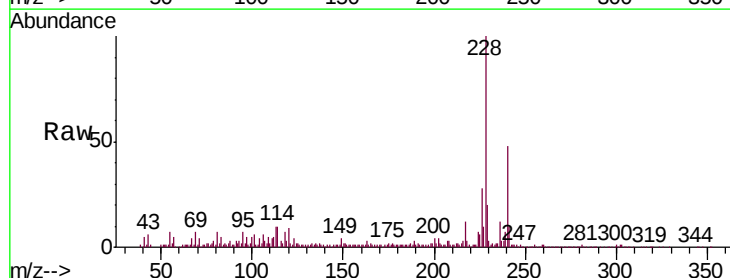
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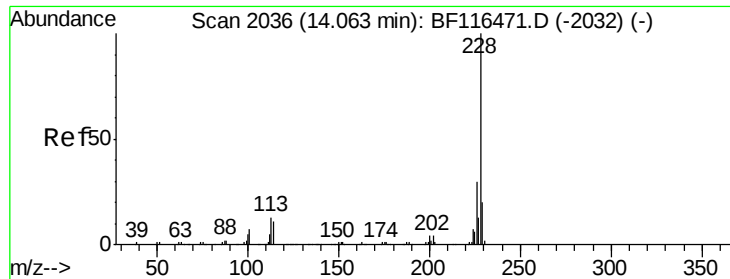
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#81
 Benzo(a)anthracene
 Concen: 12.827 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. 0.01 min
 Lab File: BF116542.D
 Acq: 25 Aug 2019 19:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.8	32.6
229	20.3	15.9	23.9





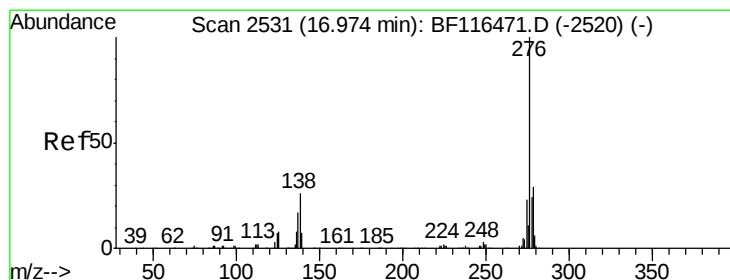
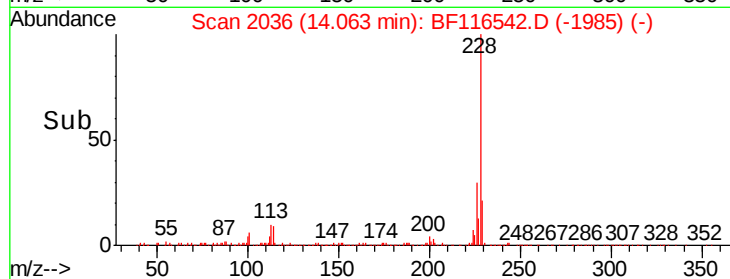
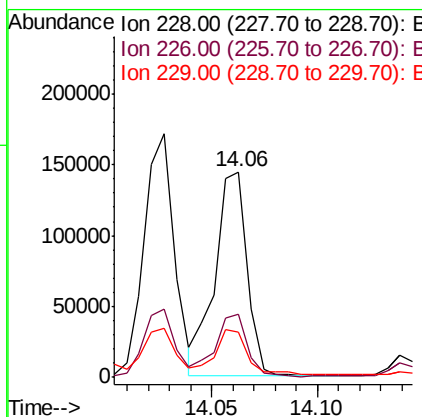
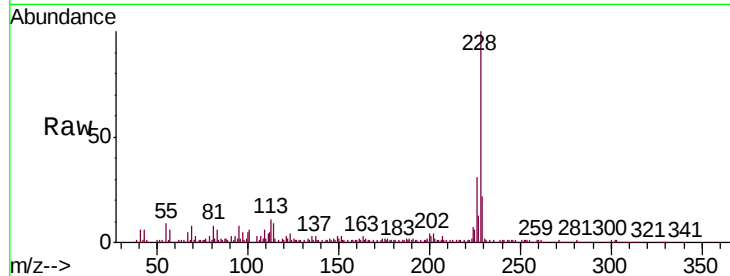
#83
Chrysene
Concen: 11.479 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.00 min
Lab File: BF116542.D
Acq: 25 Aug 2019 19:51

Instrument :
BNA_F
ClientSampleId :
T1-I-(0-2.5)

Tot Ion:	228	Resp:	152406
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.2	36.2
229	21.7	15.8	23.6

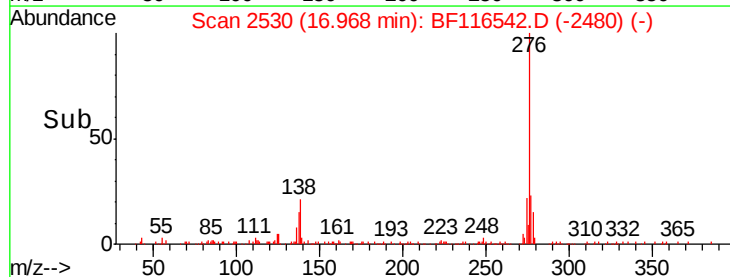
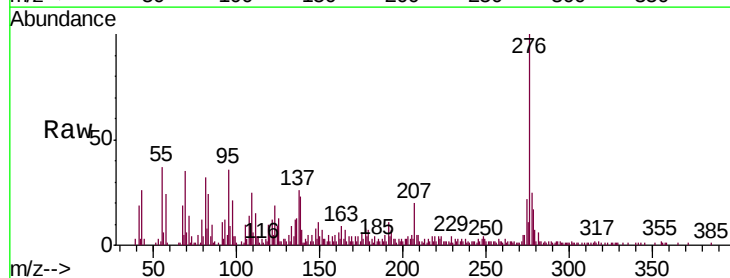
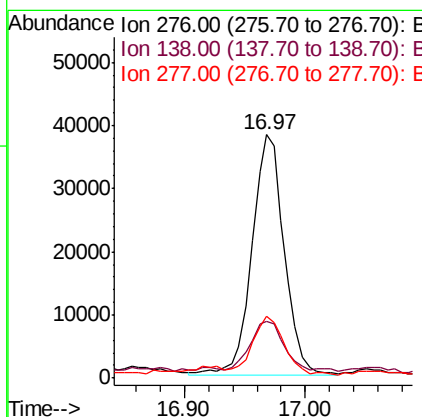
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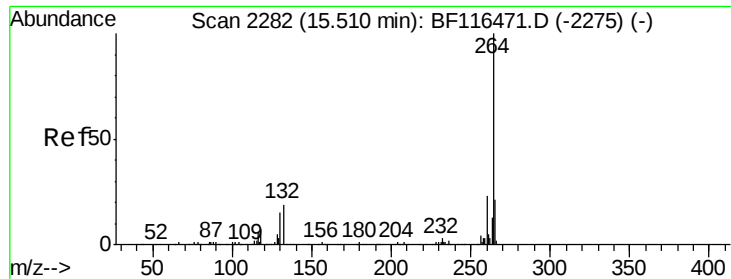
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.205 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BF116542.D
Acq: 25 Aug 2019 19:51

Tgt Ion:	276	Resp:	70572
Ion Ratio	Lower	Upper	
276	100		
138	22.8	22.9	34.3#
277	24.0	19.9	29.9





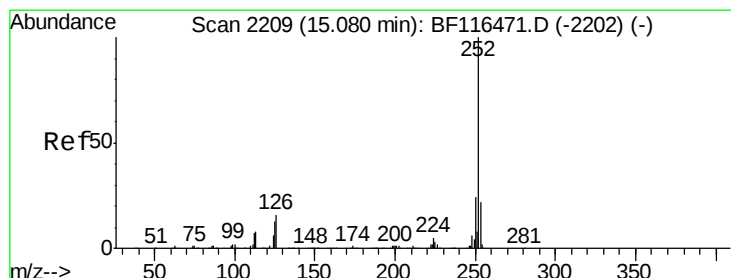
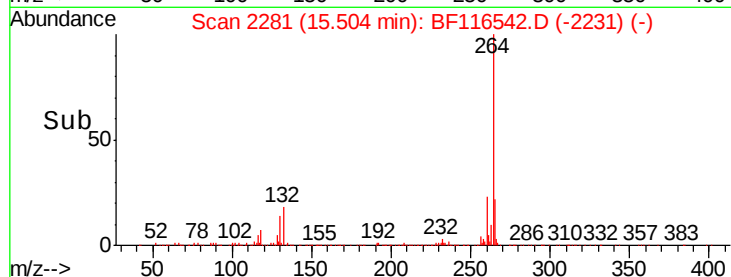
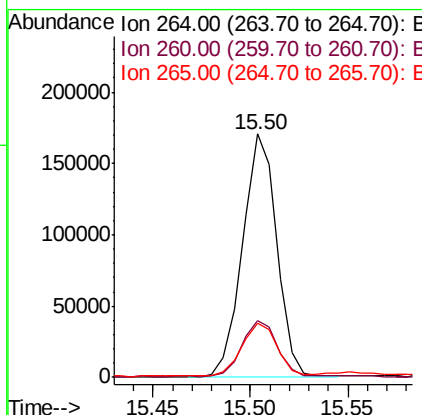
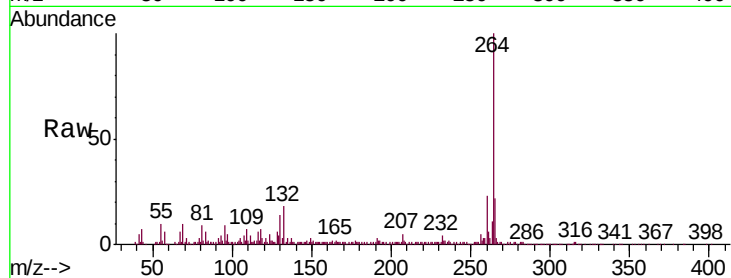
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF116542.D
Acq: 25 Aug 2019 19:51

Instrument :
BNA_F
ClientSampleId :
T1-I-(0-2.5)

Tot Ion:	264	Resp:	206710
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.8	28.2
265	22.1	17.1	25.7

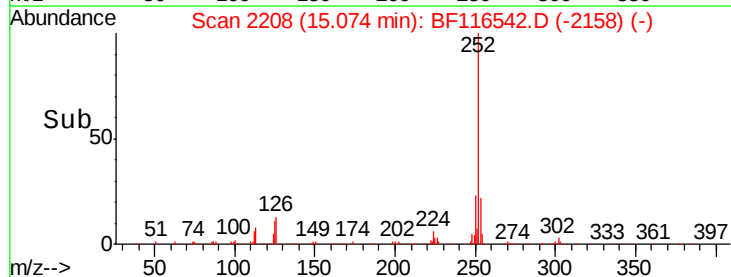
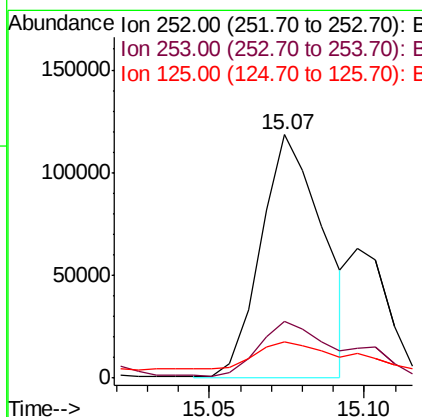
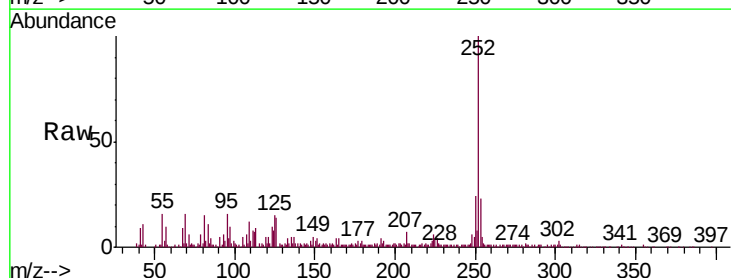
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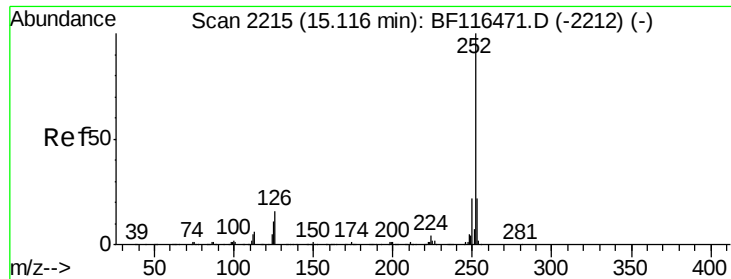
mohammad
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#88
Benzo(b)fluoranthene
Concen: 12.969 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF116542.D
Acq: 25 Aug 2019 19:51

Tgt Ion:	252	Resp:	165614
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.5	26.3
125	14.7	10.1	15.1





#89

Benzo(k)fluoranthene

Concen: 4.692 ng m

RT: 15.10 min Scan# 2212

Delta R.T. -0.02 min

Lab File: BF116542.D

Acq: 25 Aug 2019 19:51

Instrument :

BNA_F

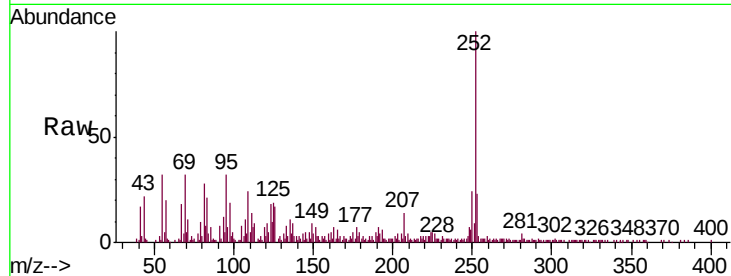
ClientSampleId :

T1-I-(0-2.5)

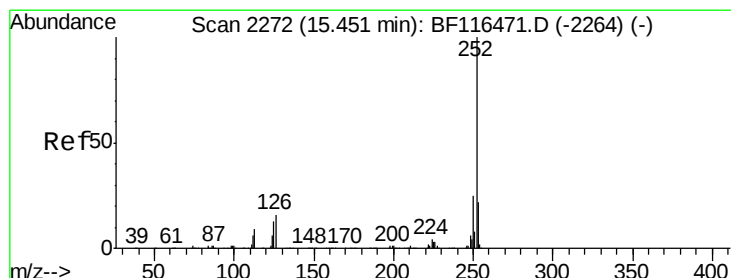
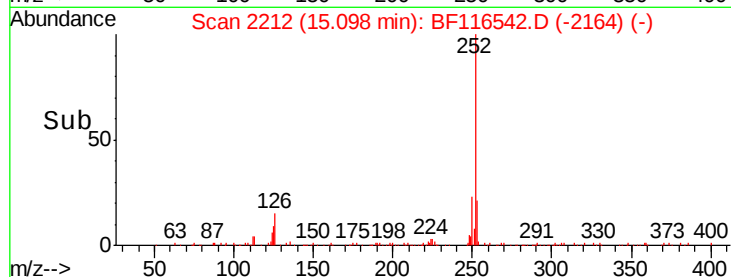
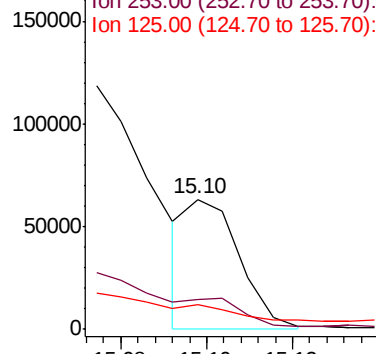
Tot Ion:	252	Resp:	54276
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.4	26.2
125	18.8	9.1	13.7#

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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



#90

Benzo(a)pyrene

Concen: 10.563 ng

RT: 15.44 min Scan# 2270

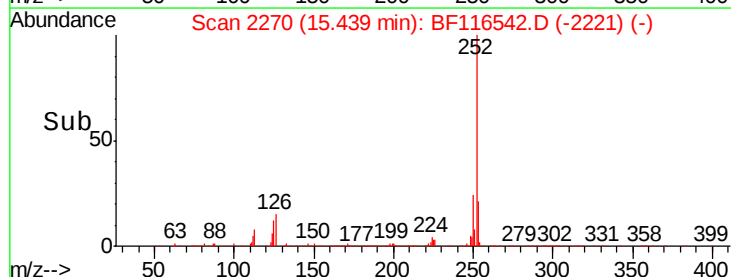
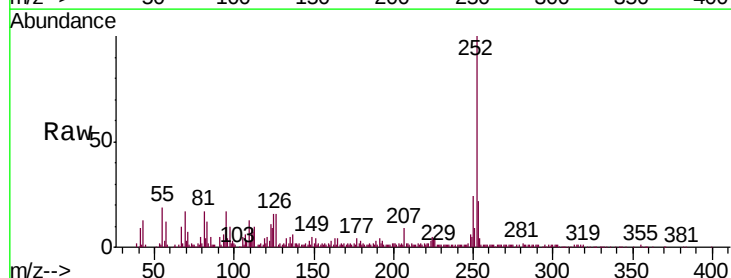
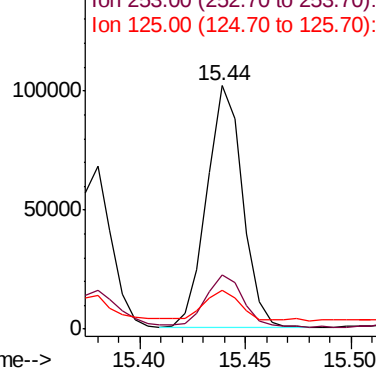
Delta R.T. -0.01 min

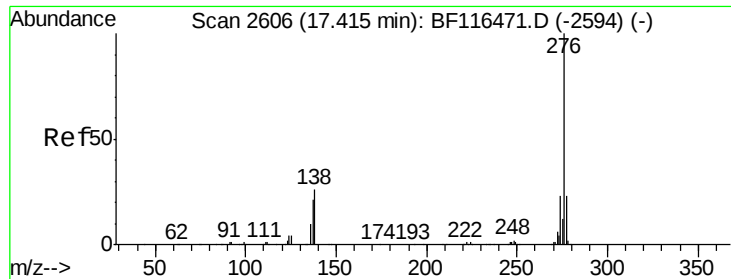
Lab File: BF116542.D

Acq: 25 Aug 2019 19:51

Tgt Ion:	252	Resp:	119211
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.2	25.8
125	15.8	10.2	15.4#

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





#92
 Benzo(a,h,i)perylene
 Concen: 7.480 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: BF116542.D
 Acq: 25 Aug 2019 19:51

Instrument :
 BNA_F
 ClientSampleId :
 T1-I-(0-2.5)

Tot Ion:	276	Resp:	66133
Ion Ratio	Lower	Upper	
276	100		
277	23.4	18.7	28.1
138	21.7	20.8	31.2

Manual Integrations
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