

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092019\
 Data File : BP000363.D
 Acq On : 20 Sep 2019 18:49
 Operator : HP/JU
 Sample : K4972-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-02-046-B

Manual Integrations
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 9/24/2019 8:34:10 AM

Quant Time: Sep 21 00:05:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 19 14:44:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	205970	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	797525	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	452344	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	753896	20.00	ng	0.00
76) Chrysene-d12	13.99	240	651370	20.00	ng	0.00
87) Perylene-d12	15.47	264	718985	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	726754	60.91	ng	0.00
7) Phenol-d6	6.43	99	937286	64.09	ng	0.00
23) Nitrobenzene-d5	7.35	82	500190	40.47	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	276695	61.67	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1156938	46.03	ng	0.00
79) Terphenyl-d14	12.93	244	1186459	38.21	ng	0.00
Target Compounds						
10) Phenol	6.43	94	41337	2.488	ng	82
50) Dimethylphthalate	9.55	163	274901	8.920	ng	99
71) Phenanthrene	11.35	178	240753	6.373	ng	99
72) Anthracene	11.40	178	82808	2.129	ng	99
75) Fluoranthene	12.55	202	544427	13.420	ng	95
78) Pyrene	12.78	202	528680	10.848	ng	99
81) Benzo(a)anthracene	13.98	228	299320	7.275	ng	95
83) Chrysene	14.02	228	266052	6.586	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	161564	3.281	ng	# 91
88) Benzo(b)fluoranthene	15.04	252	437067m	10.190	ng	
89) Benzo(k)fluoranthene	15.07	252	100894m	2.697	ng	
90) Benzo(a)pyrene	15.41	252	284078	7.279	ng	97
92) Benzo(a,h,i)perylene	17.40	276	146094	3.906	ng	95

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

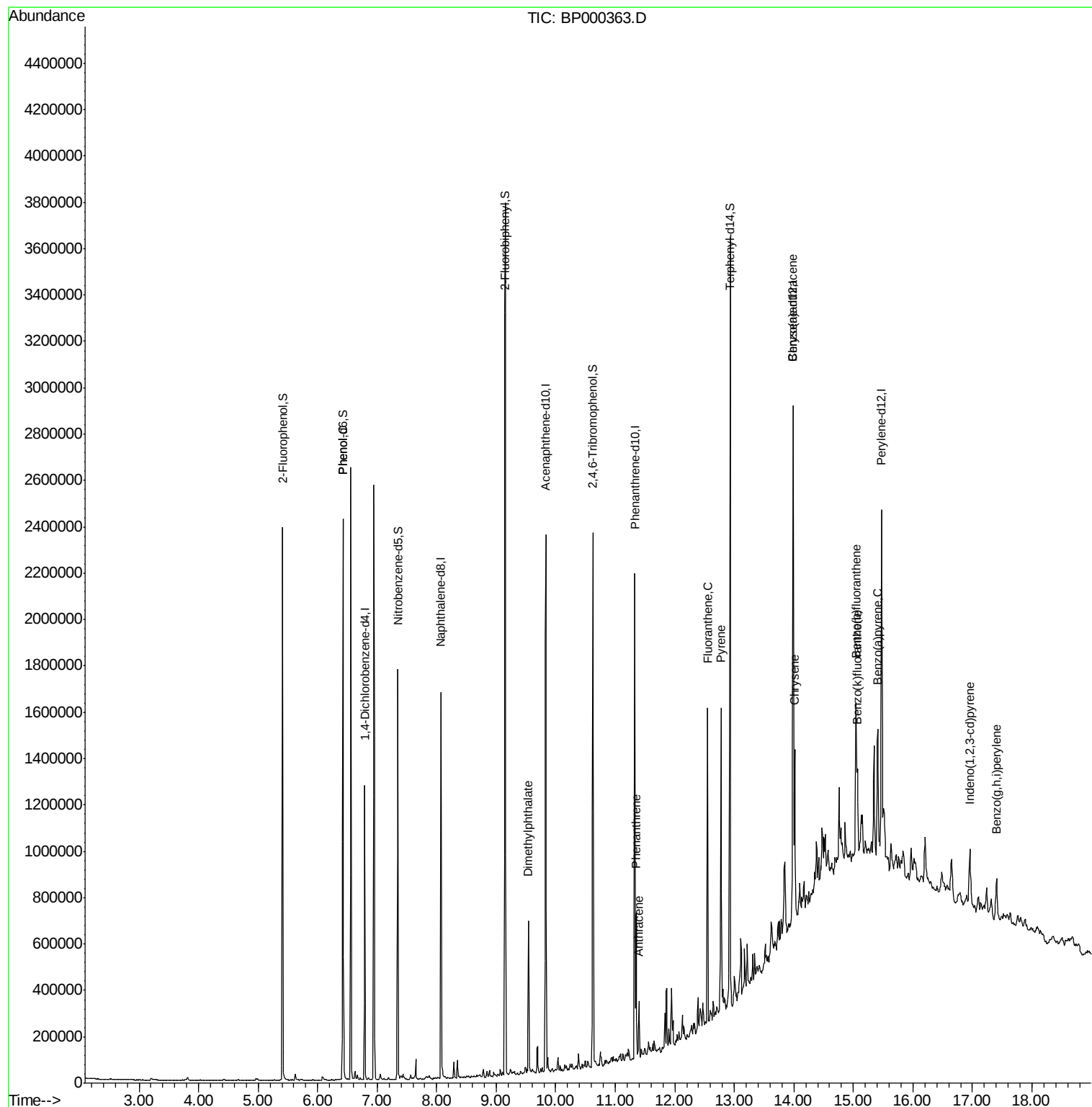
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092019\
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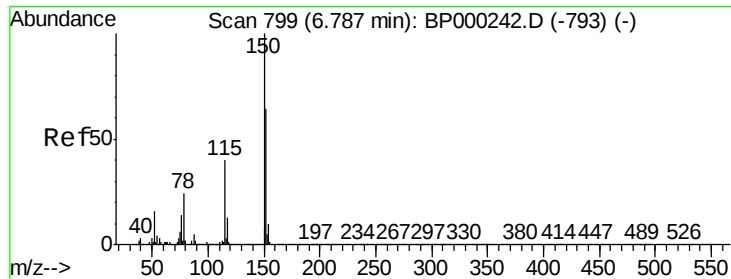
Instrument :
BNA_P
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.01 min

Lab File: BP000363.D

Acq: 20 Sep 2019 18:49

Instrument :

BNA_P

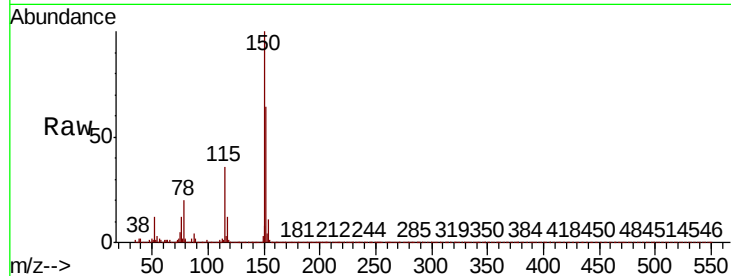
ClientSampleId :

FK-GF-02-046-B

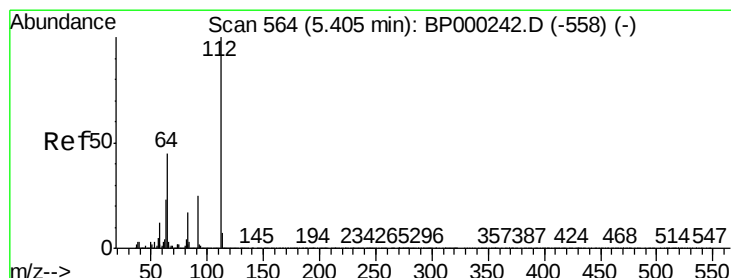
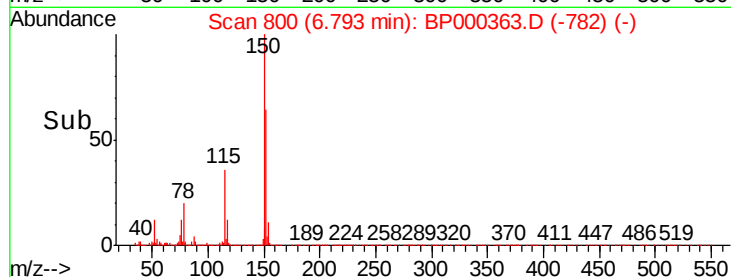
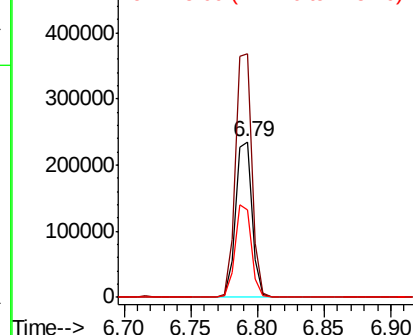
Tot Ion:	152	Resp:	205970
Ion Ratio	Lower	Upper	
152	100		
150	156.3	125.2	187.8
115	55.9	49.7	74.5

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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: 60.913 ng

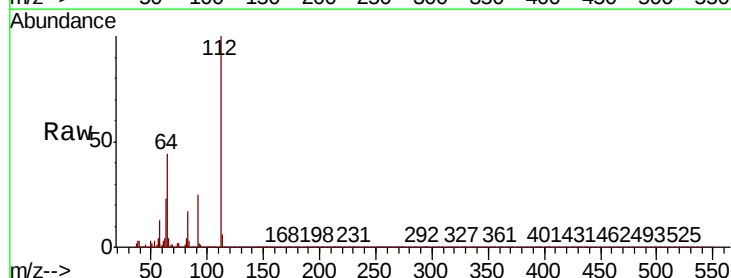
RT: 5.41 min Scan# 565

Delta R.T. 0.01 min

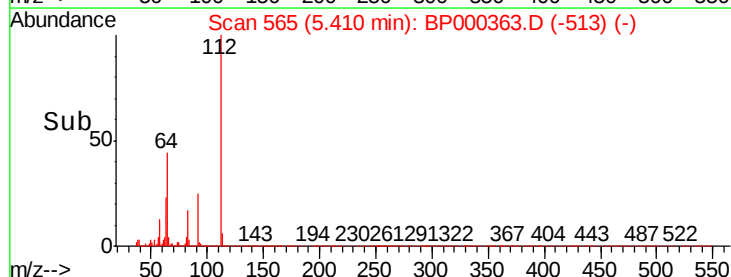
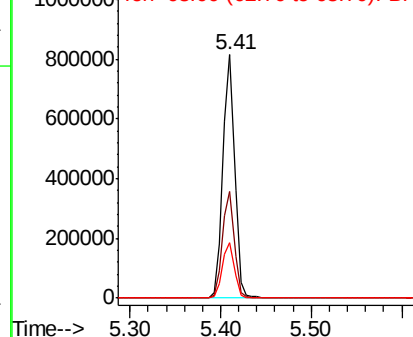
Lab File: BP000363.D

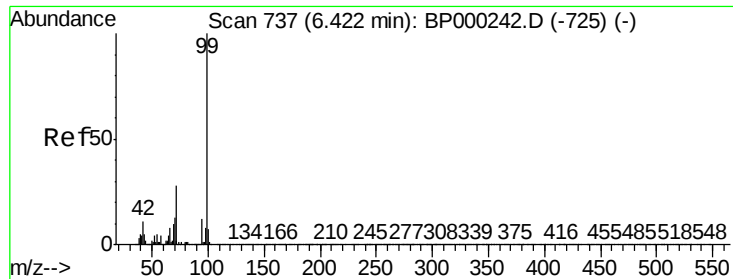
Acq: 20 Sep 2019 18:49

Tgt Ion:	112	Resp:	726754
Ion Ratio	Lower	Upper	
112	100		
64	43.6	36.2	54.4
63	23.0	18.3	27.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BP0
Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 64.089 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000363.D

Acq: 20 Sep 2019 18:49

Instrument :

BNA_P

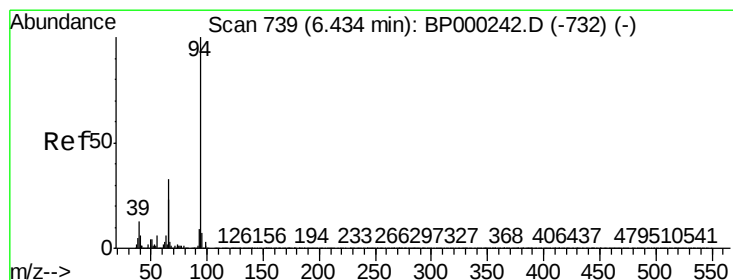
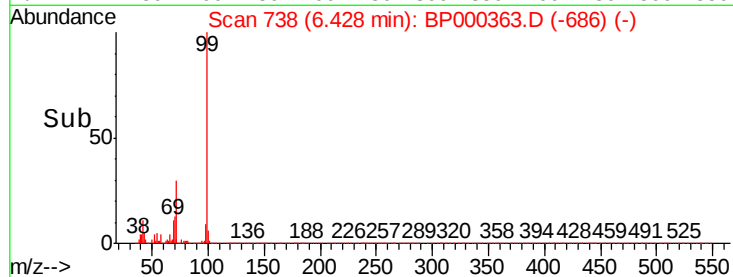
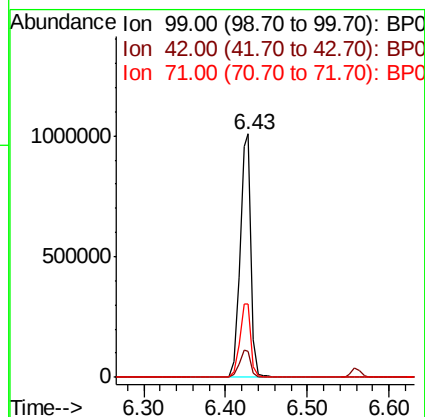
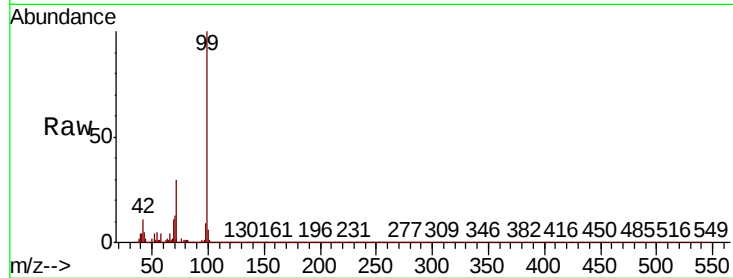
ClientSampled :

FK-GF-02-046-B

Tot Ion:	99	Resp:	937286
Ion Ratio	Lower	Upper	
99	100		
42	10.6	8.5	12.7
71	30.3	22.6	34.0

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#10

Phenol

Concen: 2.488 ng

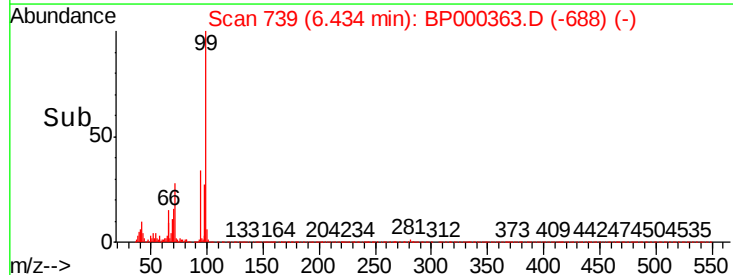
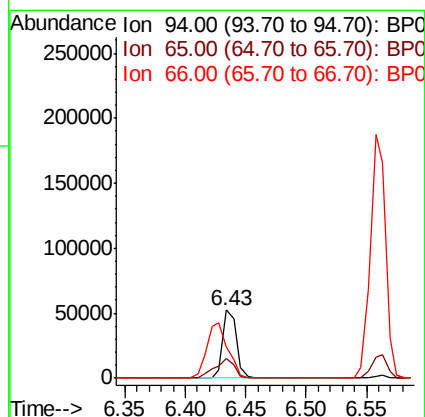
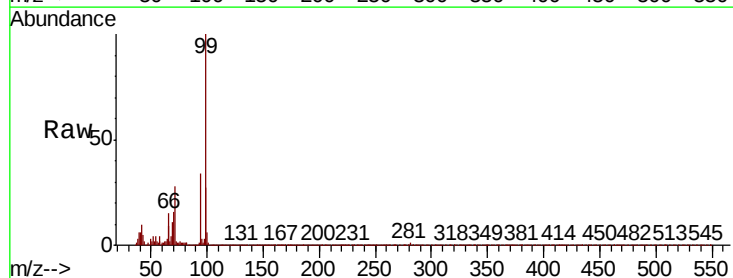
RT: 6.43 min Scan# 739

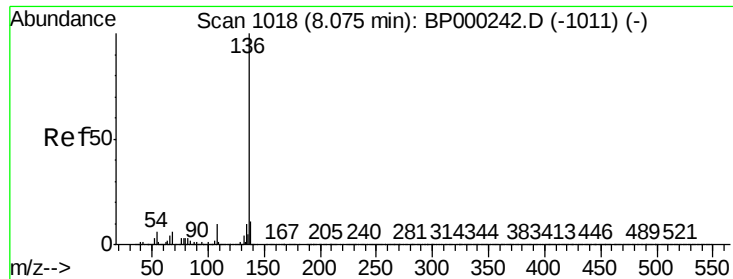
Delta R.T. -0.00 min

Lab File: BP000363.D

Acq: 20 Sep 2019 18:49

Tgt Ion:	94	Resp:	41337
Ion Ratio	Lower	Upper	
94	100		
65	28.1	3.3	43.3
66	46.0	12.7	52.7





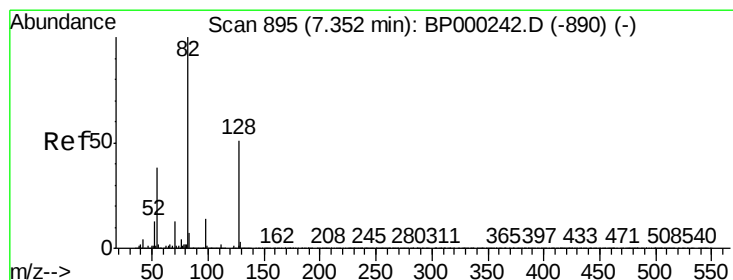
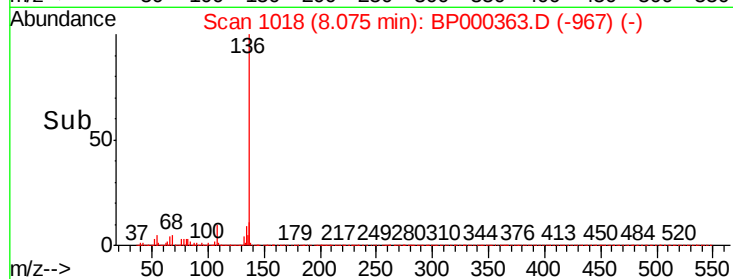
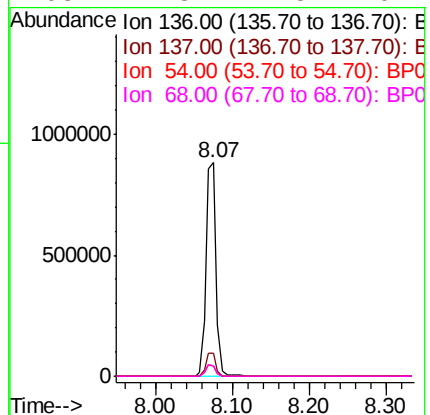
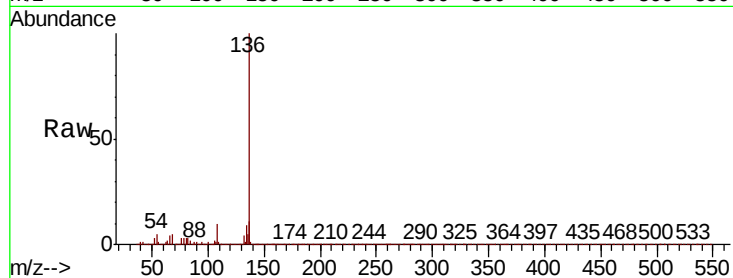
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BP000363.D
Acq: 20 Sep 2019 18:49

Instrument :
BNA_P
ClientSampled :
FK-GF-02-046-B

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.6	13.0	
54	4.9	4.5	6.7	
68	4.8	4.5	6.7	

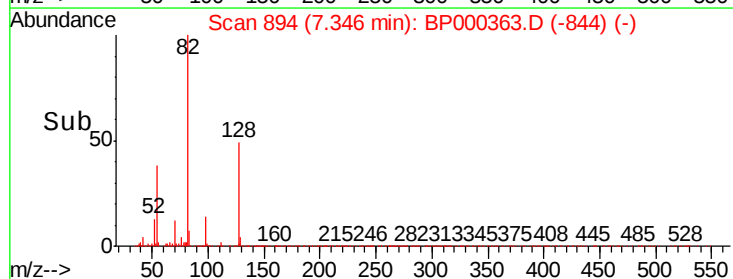
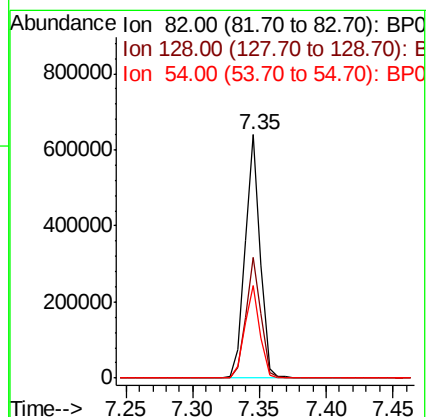
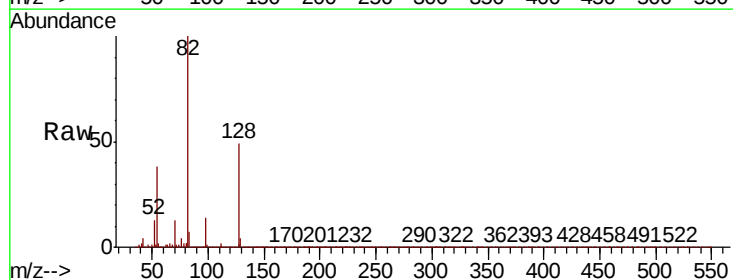
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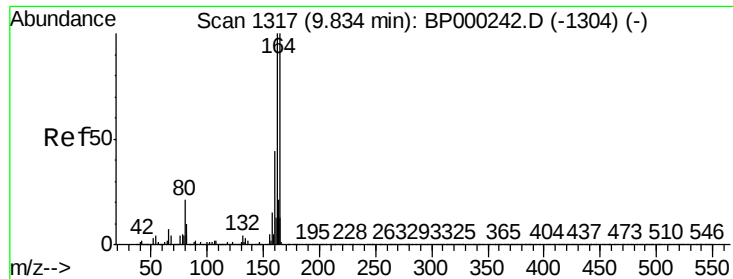
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#23
Nitrobenzene-d5
Concen: 40.465 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000363.D
Acq: 20 Sep 2019 18:49

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	49.3	40.7	61.1	
54	38.0	30.1	45.1	





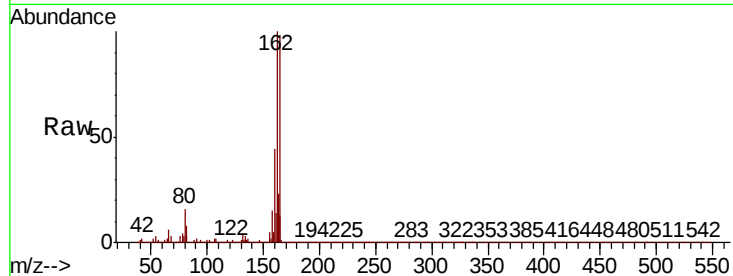
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BP000363.D
Acq: 20 Sep 2019 18:49

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-046-B

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.6	79.9	119.9	
160	45.4	35.6	53.4	

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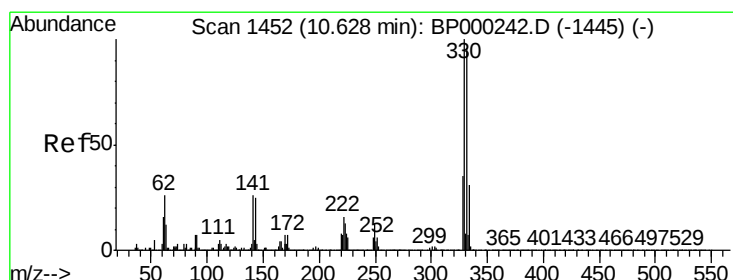
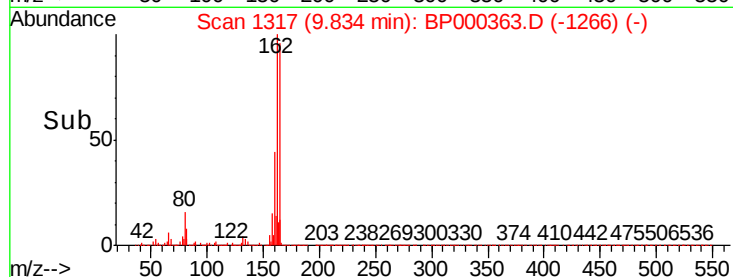
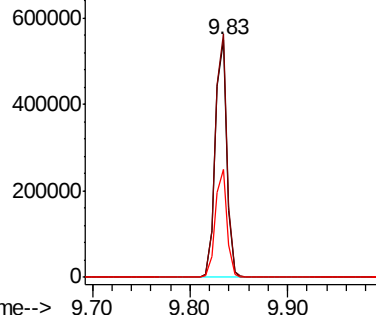


Abundance

Ion 164.00 (163.70 to 164.70): E

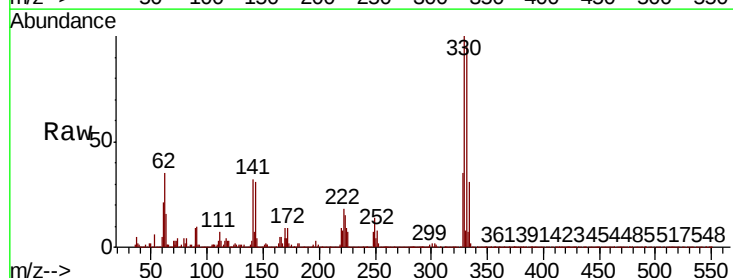
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 61.671 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BP000363.D
Acq: 20 Sep 2019 18:49

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	76.6	115.0	
141	30.6	26.5	39.7	

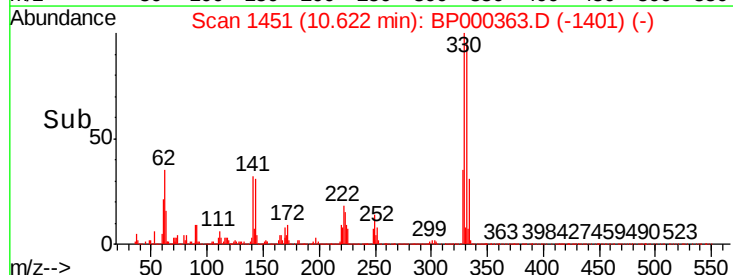
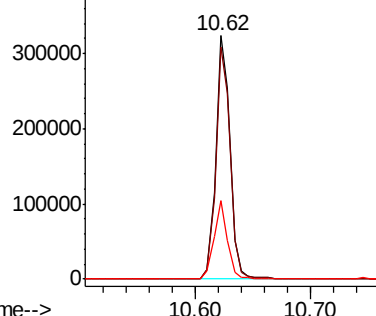


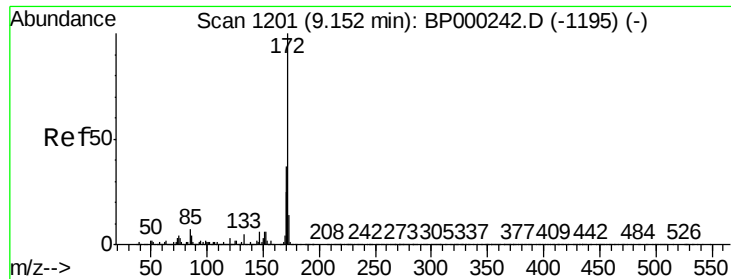
Abundance

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





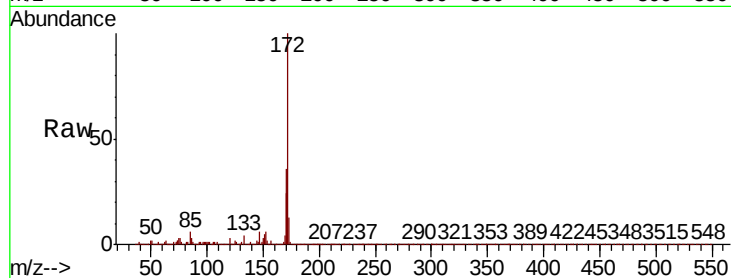
#45
2-Fluorobiphenyl
Concen: 46.033 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000363.D
Acq: 20 Sep 2019 18:49

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-046-B

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.8	44.6
170	23.9	19.8	29.6

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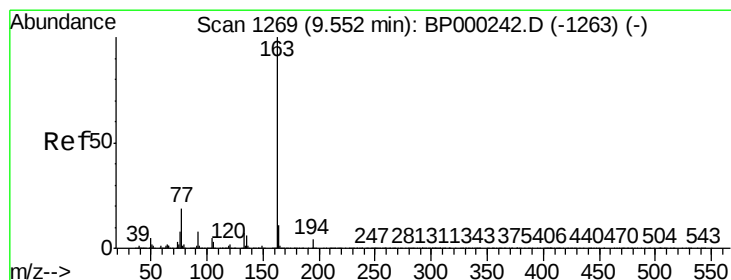
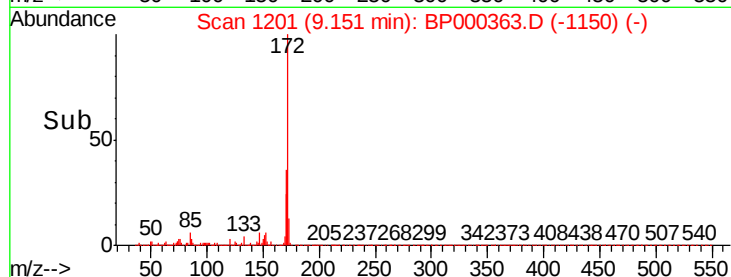
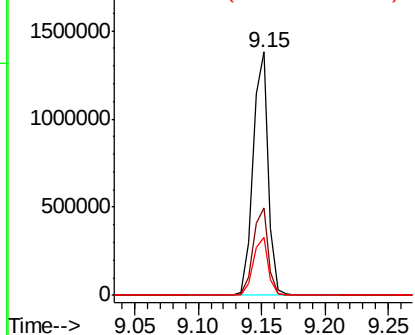


Abundance

Ion 172.00 (171.70 to 172.70): E

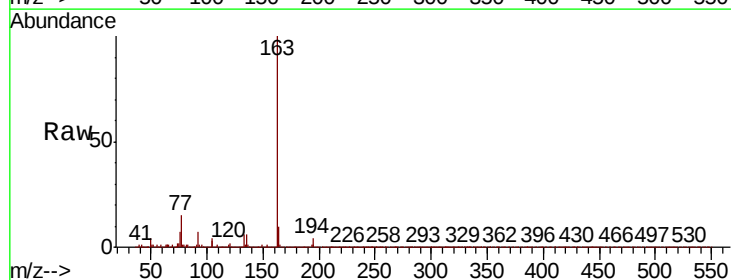
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 8.920 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000363.D
Acq: 20 Sep 2019 18:49

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.0
164	9.9	8.5	12.7

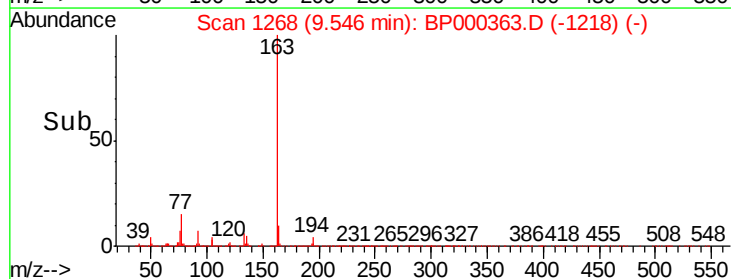
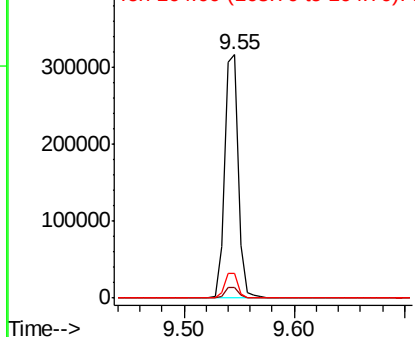


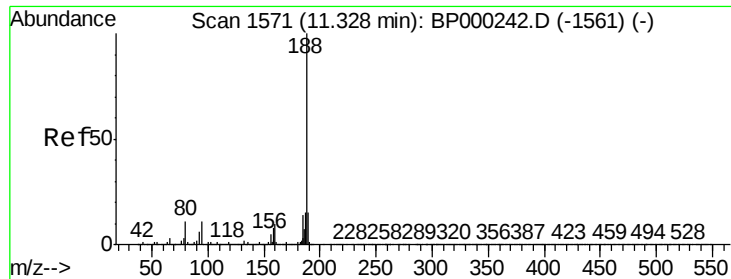
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BP000363.D

Acq: 20 Sep 2019 18:49

Instrument :

BNA_P

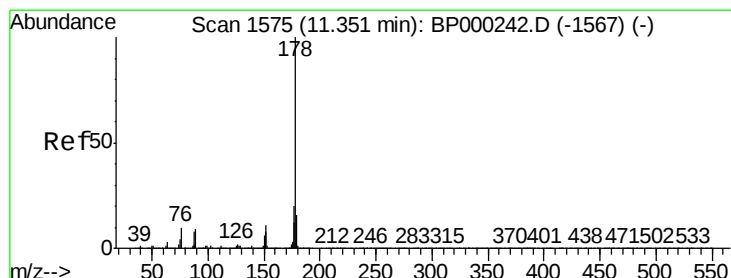
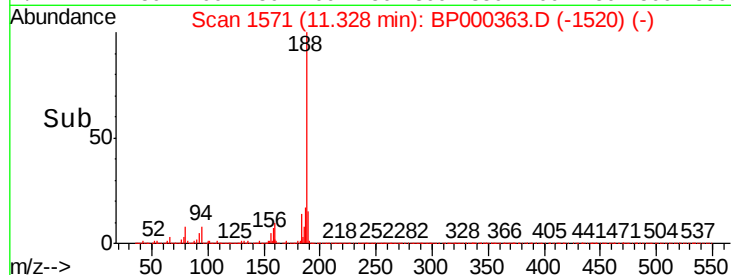
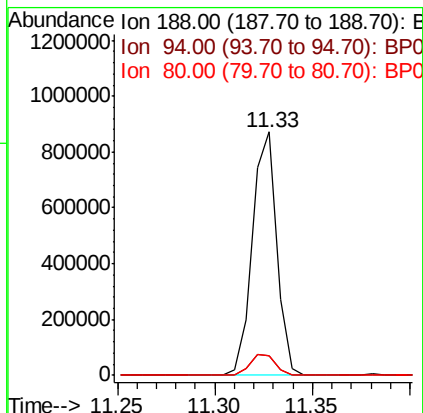
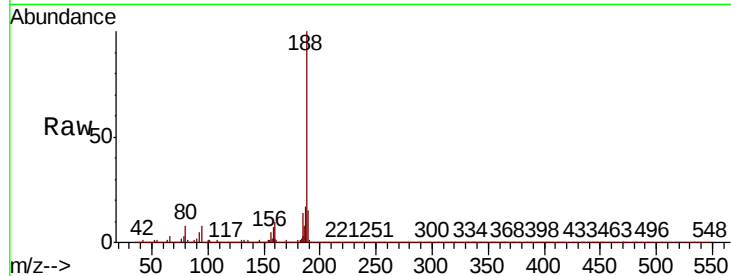
ClientSampleId :

FK-GF-02-046-B

Tot Ion:	188	Resp:	753896
Ion Ratio	Lower	Upper	
188	100		
94	8.2	8.5	12.7#
80	8.2	8.6	13.0#

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#71

Phenanthrene

Concen: 6.373 ng

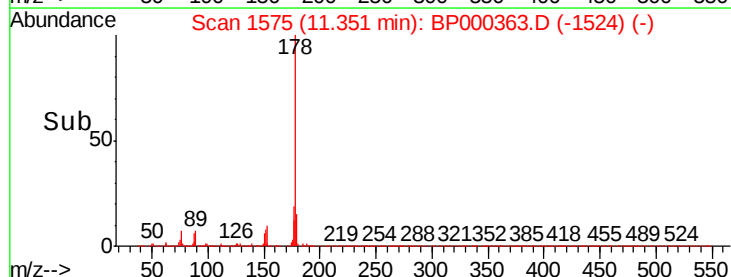
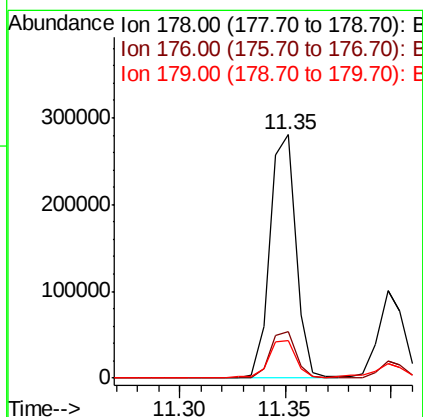
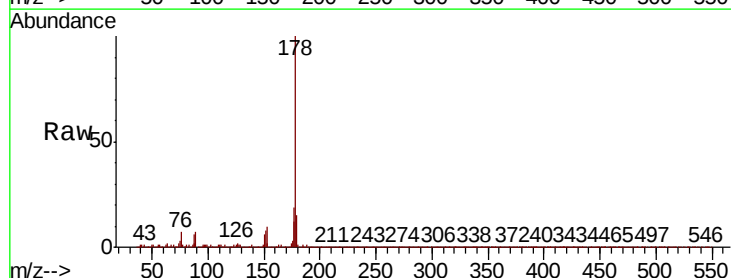
RT: 11.35 min Scan# 1575

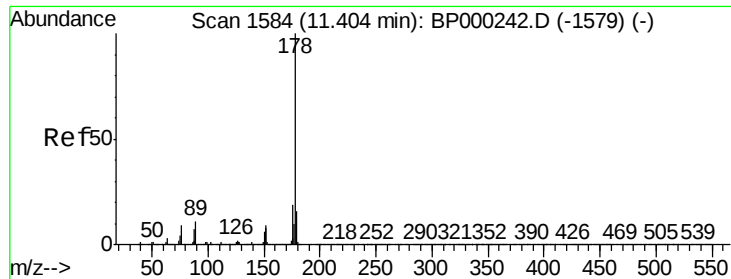
Delta R.T. -0.00 min

Lab File: BP000363.D

Acq: 20 Sep 2019 18:49

Tgt Ion:	178	Resp:	240753
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.8	23.8
179	15.3	12.7	19.1





#72

Anthracene

Concen: 2.129 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BP000363.D

Acq: 20 Sep 2019 18:49

Instrument :

BNA_P

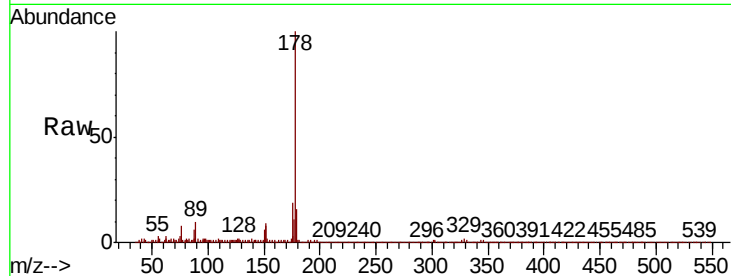
ClientSampled :

FK-GF-02-046-B

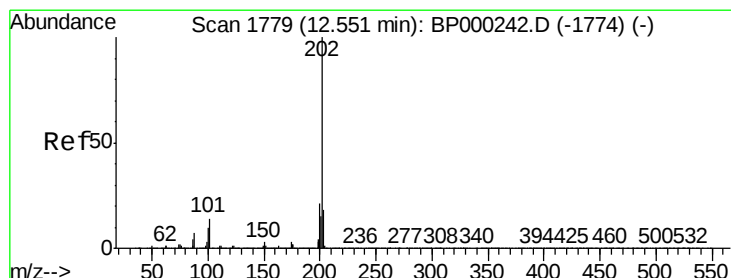
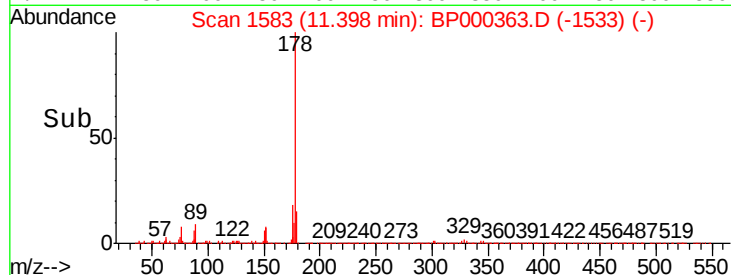
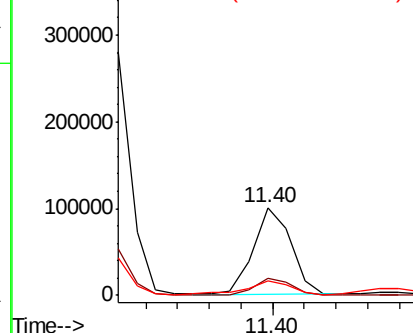
Tot Ion:	178	Resp:	82808
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.4	23.0
179	15.9	12.7	19.1

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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: 13.420 ng

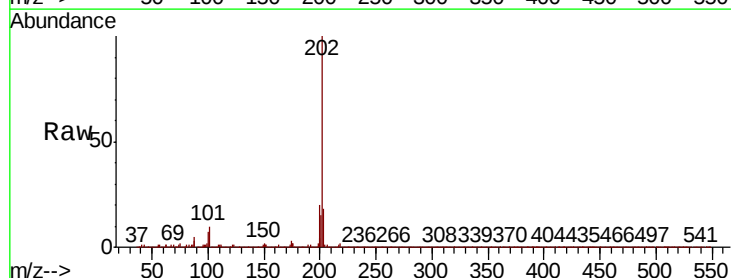
RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

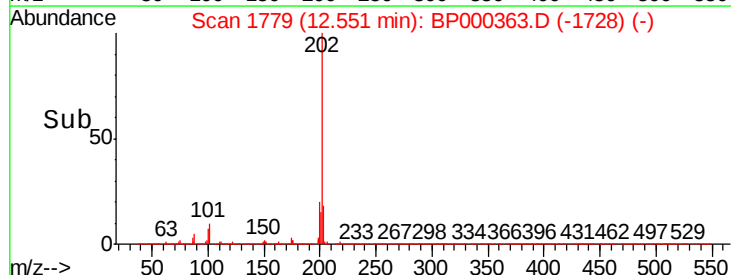
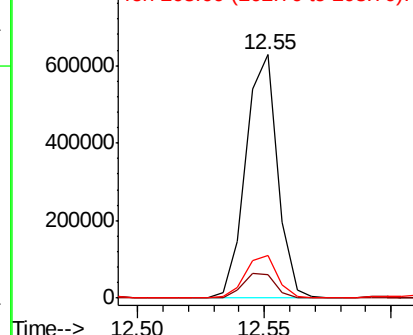
Lab File: BP000363.D

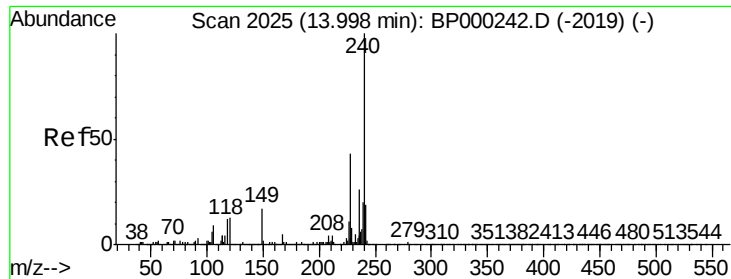
Acq: 20 Sep 2019 18:49

Tgt Ion:	202	Resp:	544427
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	33.9
203	17.6	0.0	38.0



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





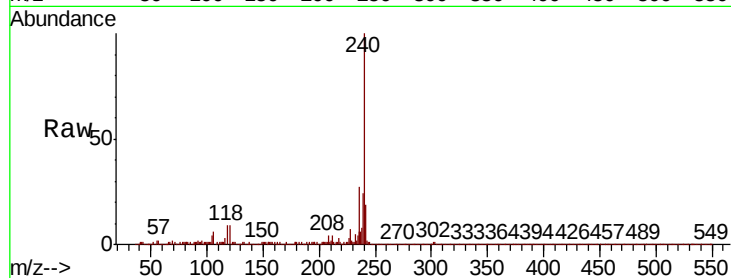
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BP000363.D
Acq: 20 Sep 2019 18:49

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-046-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.3	10.4	15.6#
236	26.6	21.0	31.6

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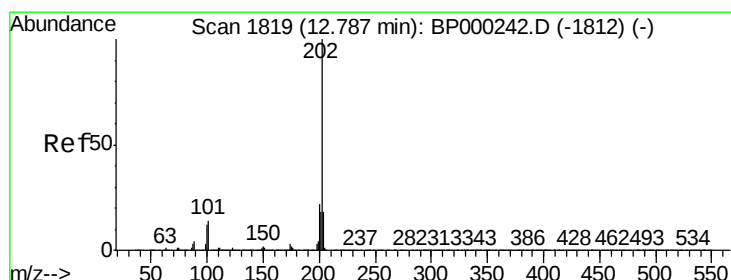
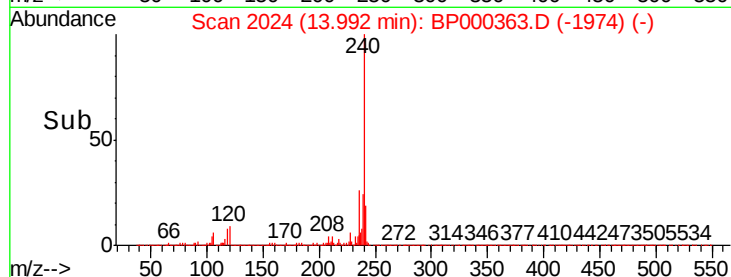
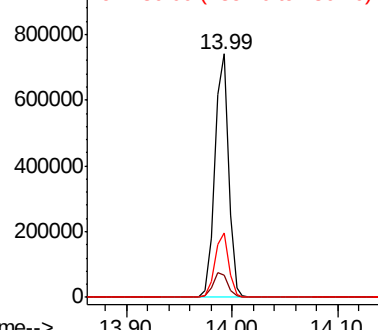


Abundance

Ion 240.00 (239.70 to 240.70): E

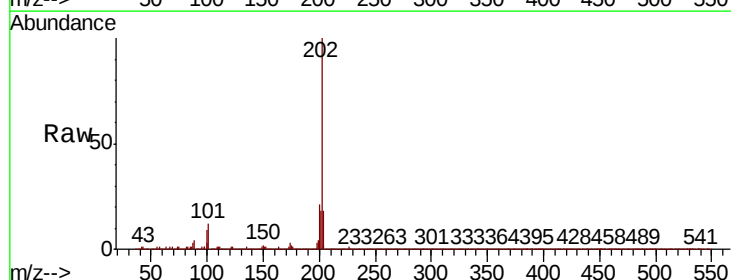
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 10.848 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BP000363.D
Acq: 20 Sep 2019 18:49

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.5	26.3
203	17.9	14.3	21.5

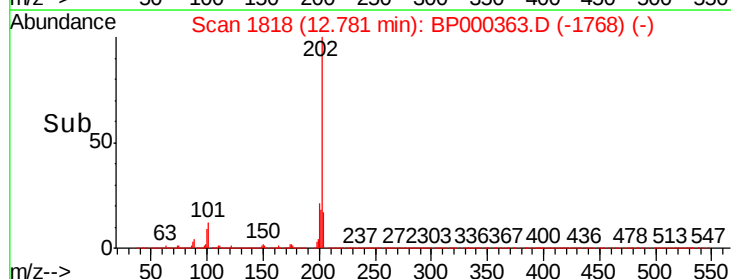
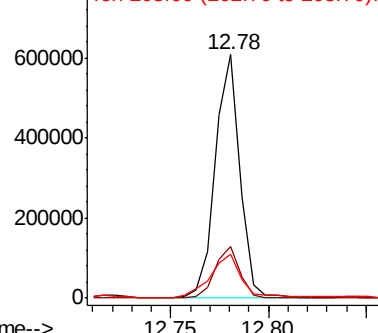


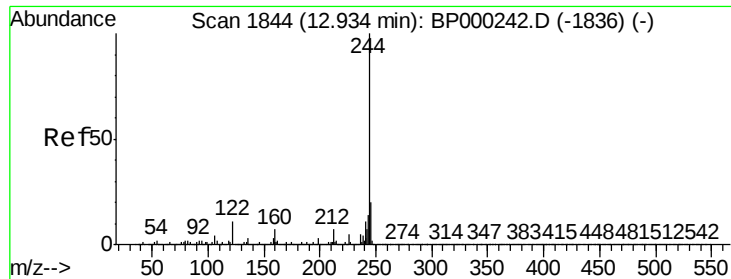
Abundance

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





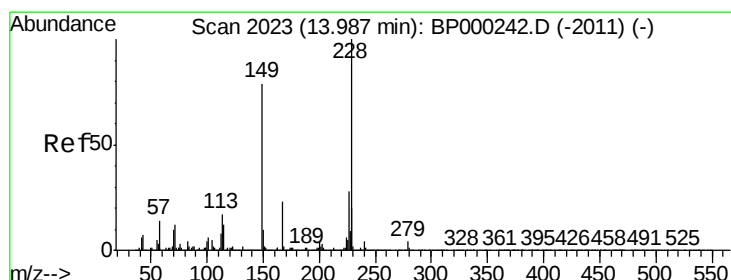
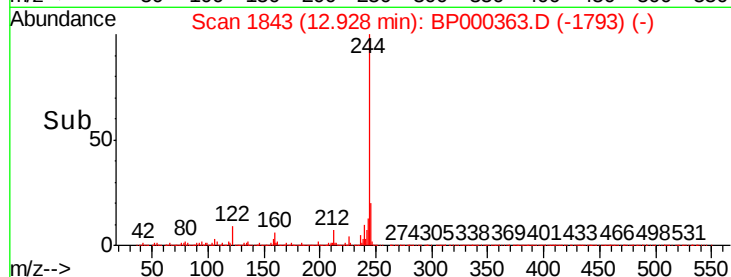
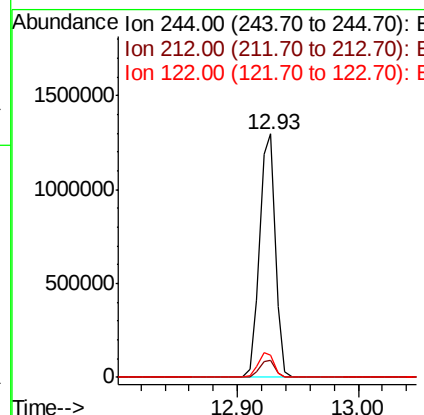
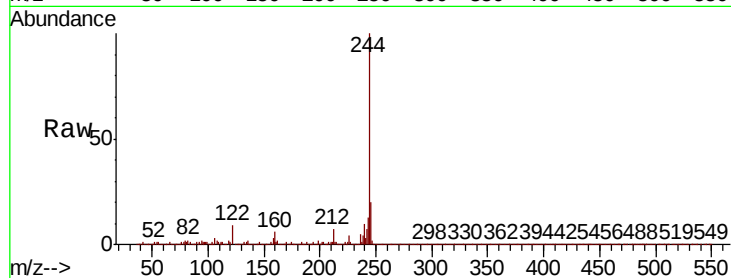
#79
Terphenyl-d14
Concen: 38.212 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BP000363.D
Acq: 20 Sep 2019 18:49

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-046-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	8.9	9.0	13.4

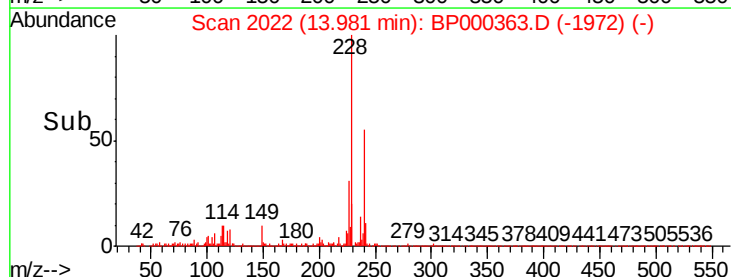
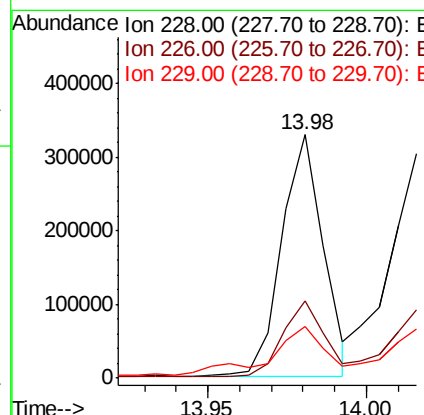
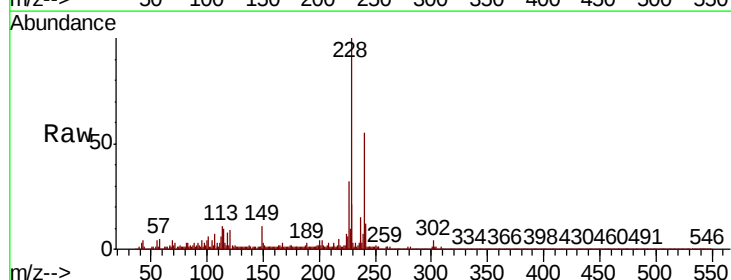
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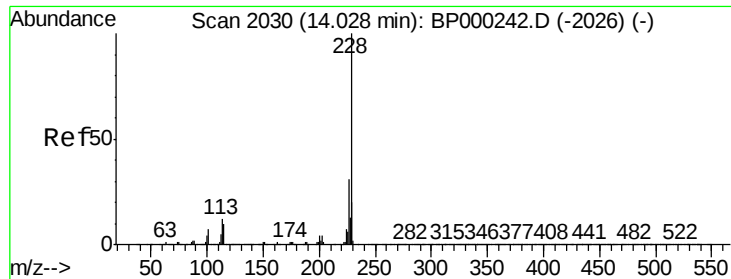
mohammad
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#81
Benzo(a)anthracene
Concen: 7.275 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BP000363.D
Acq: 20 Sep 2019 18:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.2	33.4
229	21.1	16.0	24.0





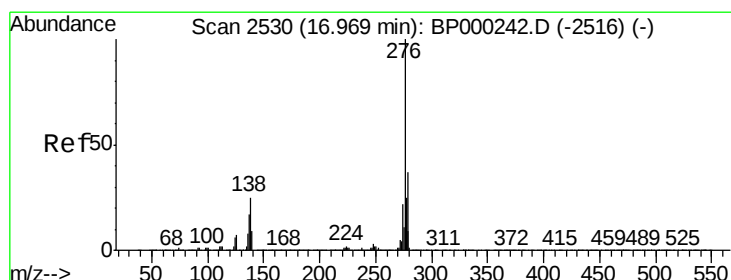
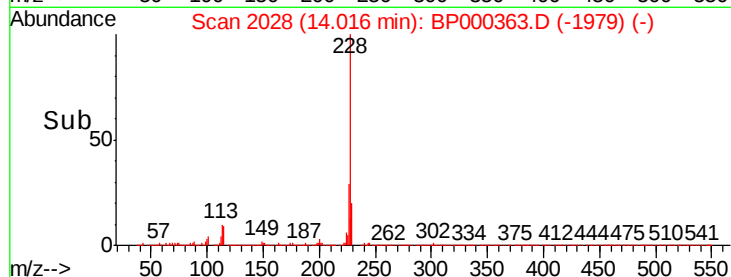
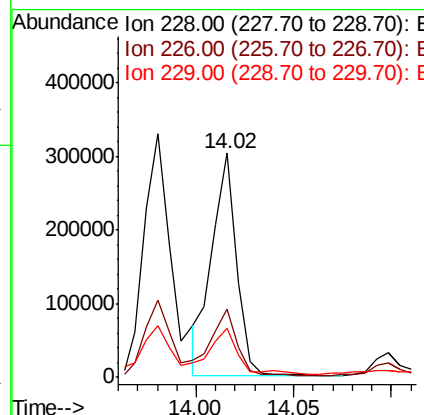
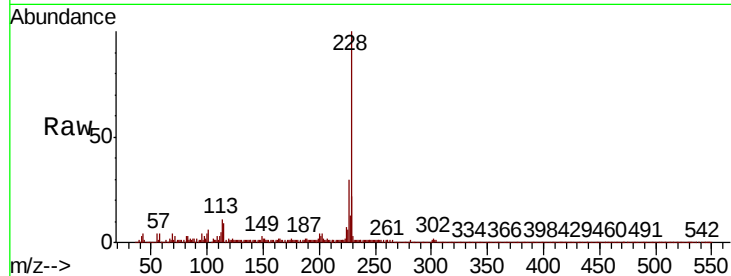
#83
Chrysene
Concen: 6.586 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BP000363.D
Acq: 20 Sep 2019 18:49

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-046-B

Tot Ion:	228	Resp:	266052
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.9	37.3
229	21.9	16.2	24.2

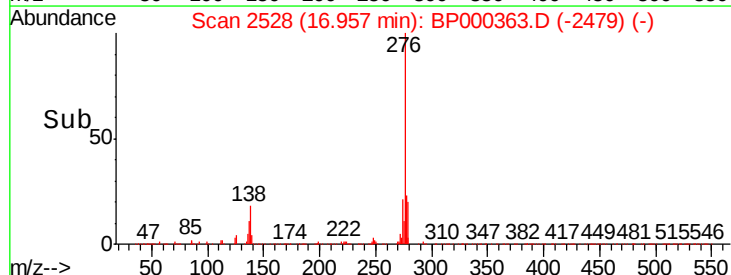
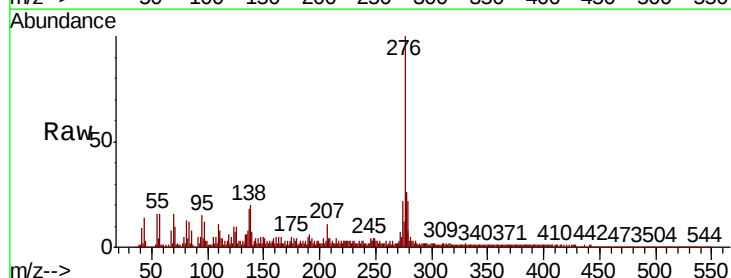
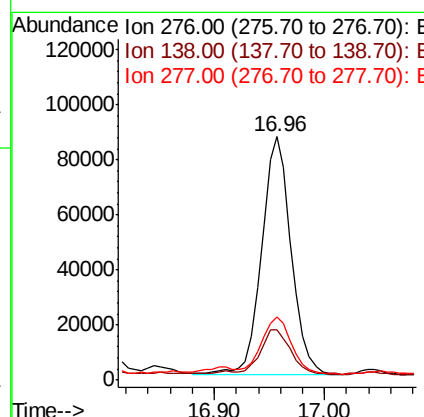
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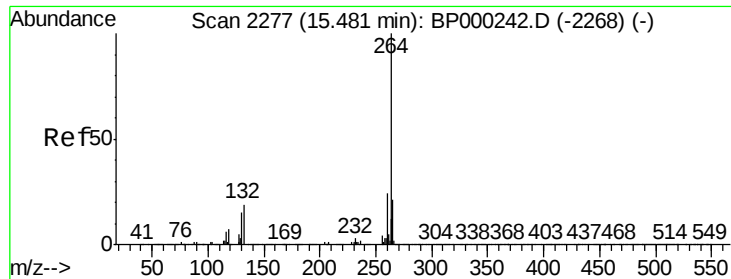
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.281 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BP000363.D
Acq: 20 Sep 2019 18:49

Tgt Ion:	276	Resp:	161564
Ion Ratio	Lower	Upper	
276	100		
138	19.9	22.6	33.8#
277	24.7	20.4	30.6





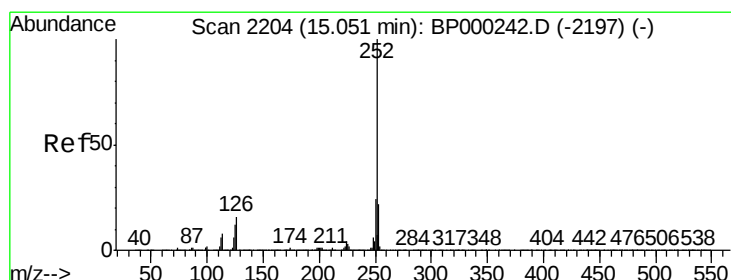
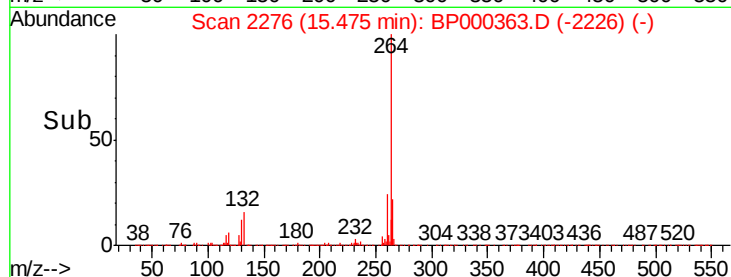
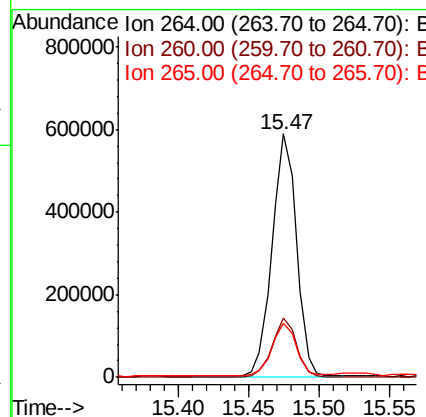
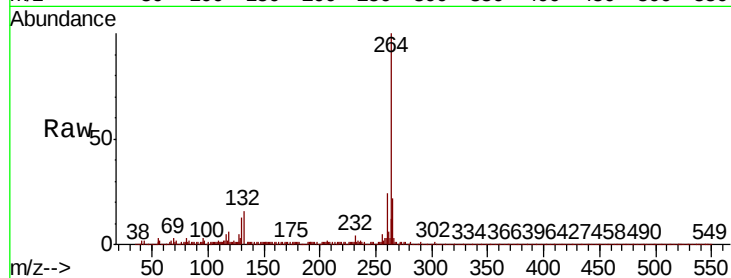
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BP000363.D
Acq: 20 Sep 2019 18:49

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-046-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.9	28.3
265	22.3	17.2	25.8

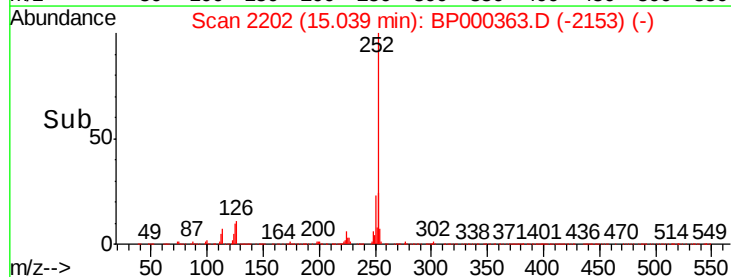
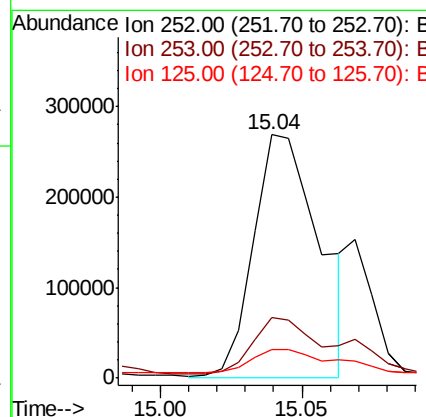
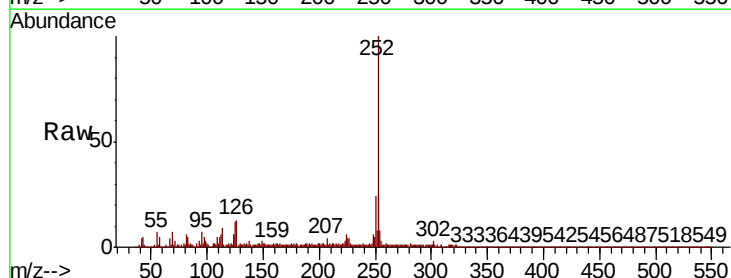
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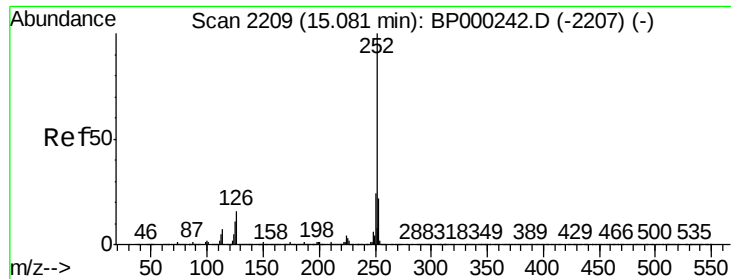
mohammad
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#88
Benzo(b)fluoranthene
Concen: 10.190 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BP000363.D
Acq: 20 Sep 2019 18:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.6
125	12.0	9.5	14.3





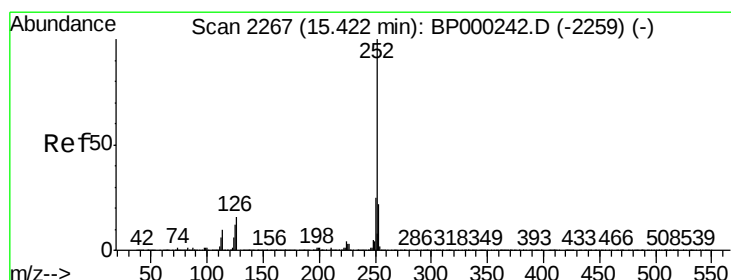
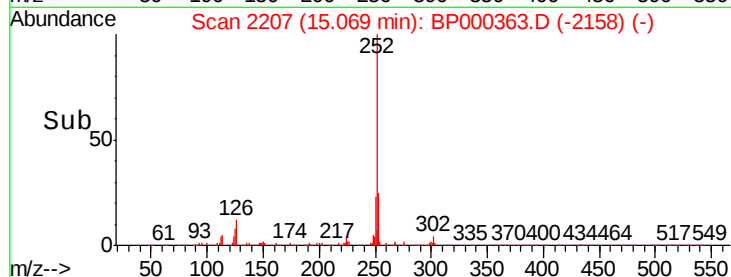
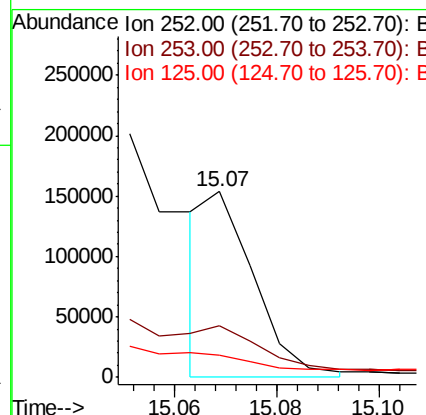
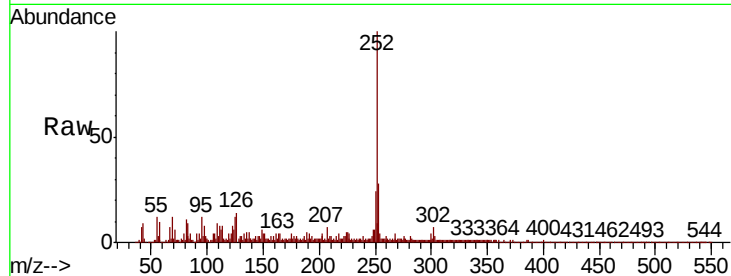
#89
Benzo(k)fluoranthene
Concen: 2.697 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BP000363.D
Acq: 20 Sep 2019 18:49

Instrument :
BNA_P
ClientSampled :
FK-GF-02-046-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.9	17.8	26.8#
125	12.2	9.6	14.4

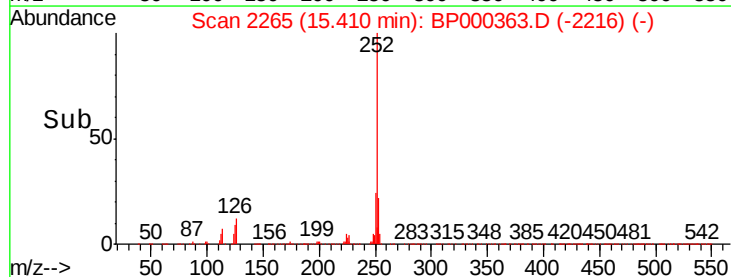
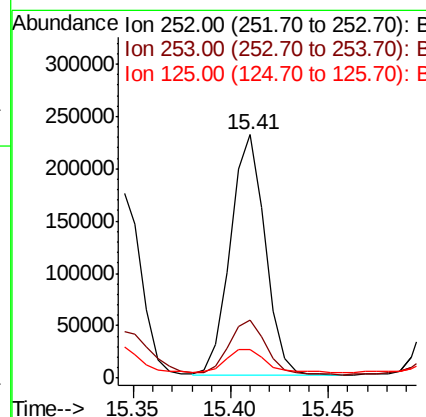
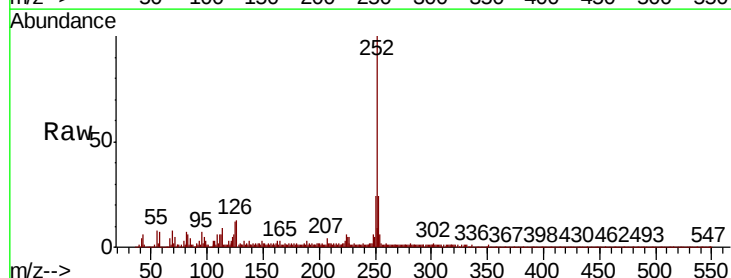
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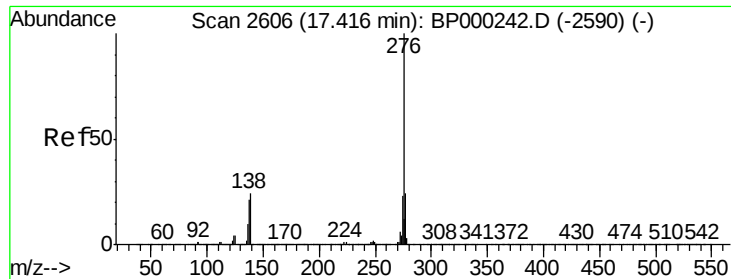
mohammad
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#90
Benzo(a)pyrene
Concen: 7.279 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BP000363.D
Acq: 20 Sep 2019 18:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.7	26.5
125	11.9	10.0	15.0





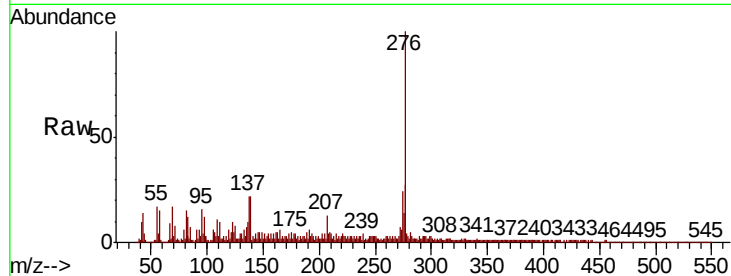
#92
 Benzo(a,h,i)perylene
 Concen: 3.906 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. -0.01 min
 Lab File: BP000363.D
 Acq: 20 Sep 2019 18:49

Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-02-046-B

Tot Ion:	276	Resp:	146094
Ion Ratio	Lower	Upper	
276	100		
277	26.5	19.1	28.7
138	22.0	19.5	29.3

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

