

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
 Data File : BF114512.D
 Acq On : 23 May 2019 4:18
 Operator : JU/SJ
 Sample : K2951-03 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-12-S

Manual Integrations
 APPROVED

mohammad
 5/24/2019 8:49:44 AM

Quant Time: May 23 05:29:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 04:47:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	199044	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	811787	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	383912	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	702075	20.00	ng	0.00
76) Chrysene-d12	14.00	240	479890	20.00	ng	0.00
87) Perylene-d12	15.47	264	386946	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	493017	39.86	ng	-0.01
7) Phenol-d6	6.47	99	664680	45.44	ng	-0.01
23) Nitrobenzene-d5	7.39	82	373017	25.79	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	137637	34.68	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	736020	29.00	ng	0.00
79) Terphenyl-d14	12.93	244	665404	28.58	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.58	163	104862	3.721	ng	99
71) Phenanthrene	11.38	178	211800	6.201	ng	95
75) Fluoranthene	12.57	202	333524	9.067	ng	98
78) Pyrene	12.80	202	302963	7.848	ng	98
81) Benzo(a)anthracene	13.99	228	137319	4.424	ng	98
83) Chrysene	14.02	228	130488	4.289	ng	96
88) Benzo(b)fluoranthene	15.04	252	140098m	5.651	ng	
89) Benzo(k)fluoranthene	15.07	252	50403m	2.213	ng	
90) Benzo(a)pyrene	15.41	252	95904	4.396	ng	# 94
92) Benzo(g,h,i)perylene	17.40	276	51188	2.817	ng	94

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

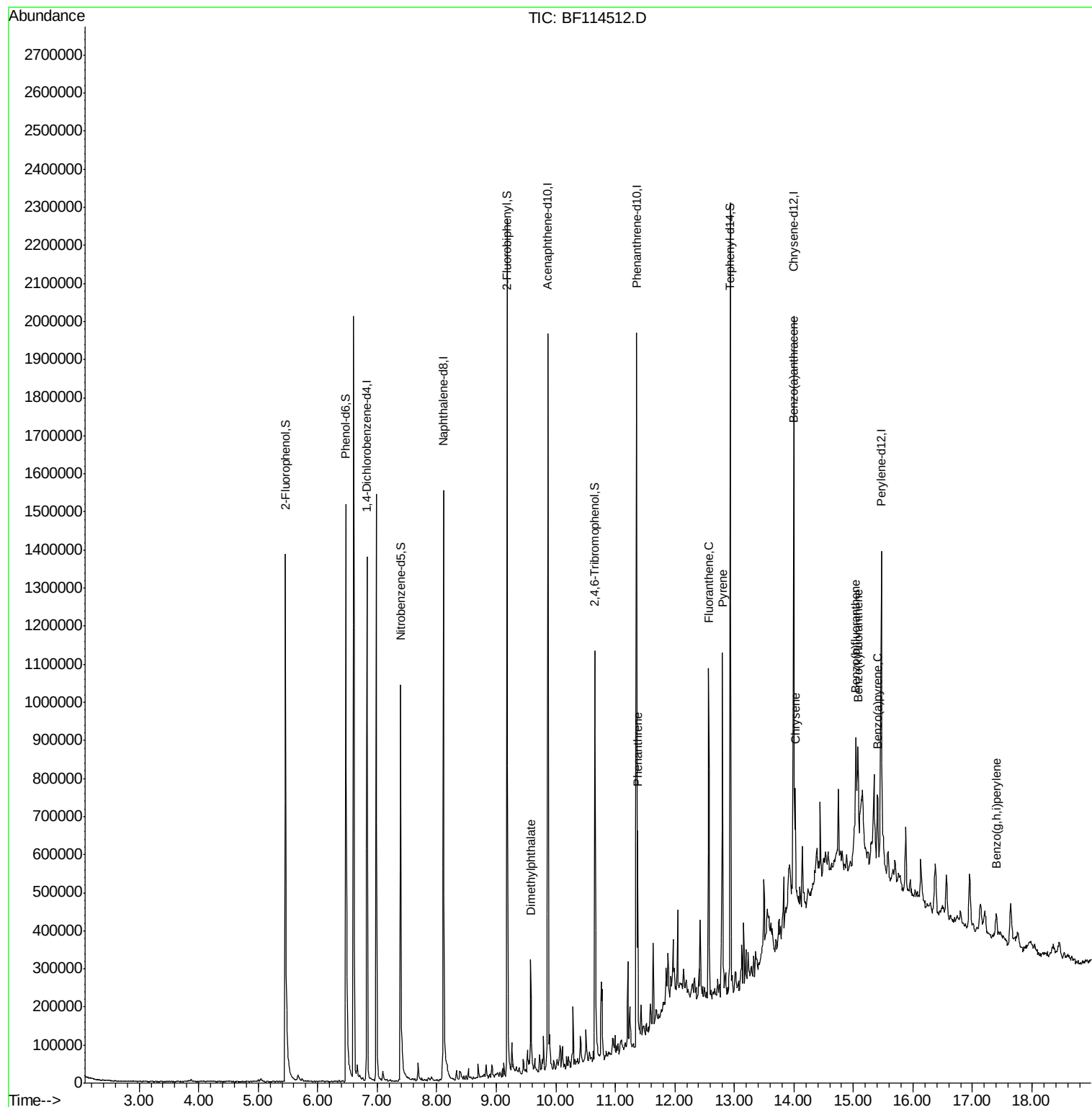
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114512.D
Acq On : 23 May 2019 4:18
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Sample : K2951-03 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

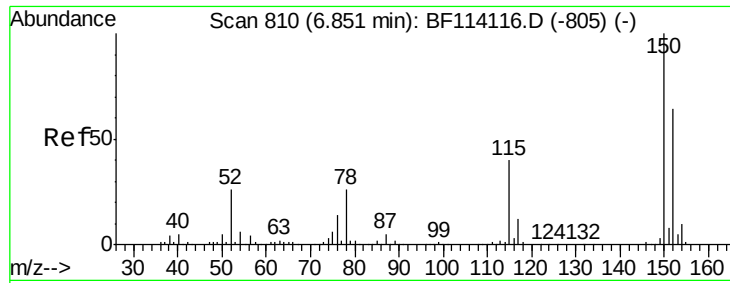
Instrument :
BNA_F
ClientSampleId :
TP-12-S

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Quant Time: May 23 05:29:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

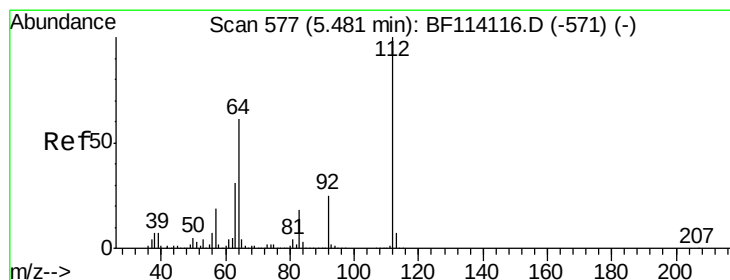
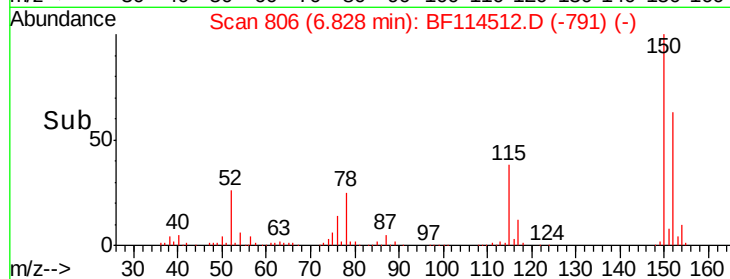
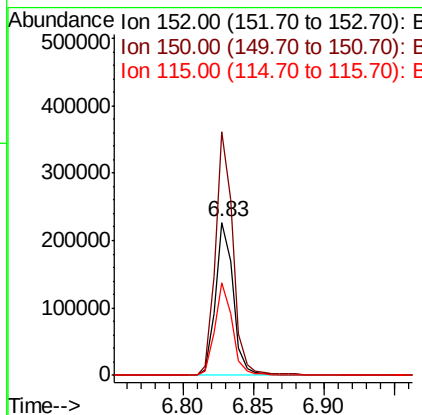
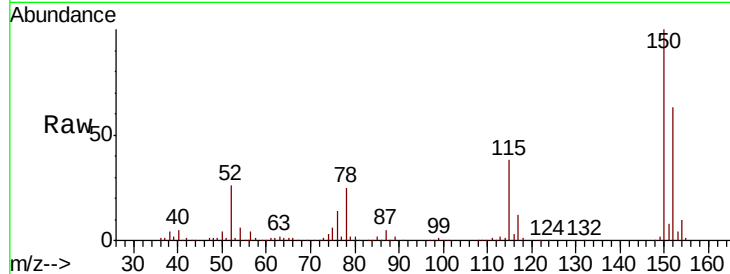
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF114512.D
Acq: 23 May 2019 4:18

Instrument :
BNA_F
ClientSampleId :
TP-12-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.3	186.5
115	60.3	49.1	73.7

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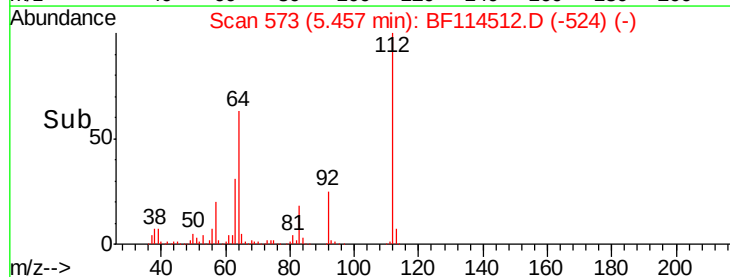
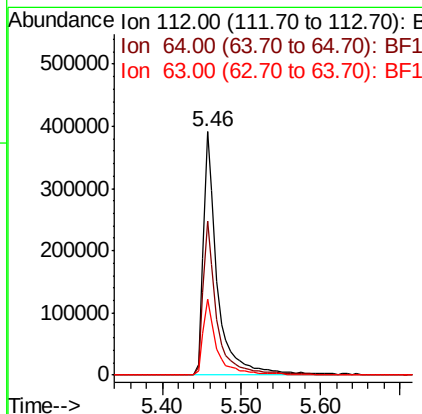
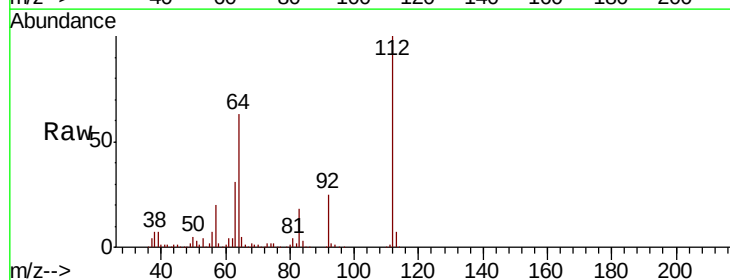
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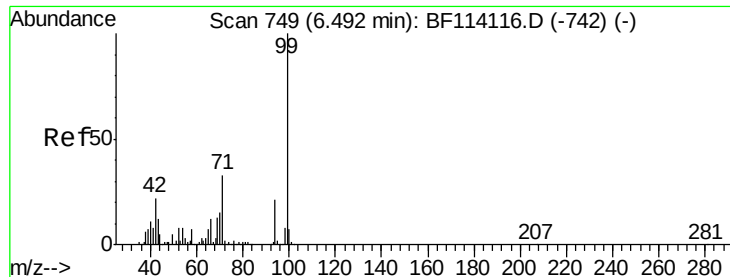


#5

2-Fluorophenol
Concen: 39.860 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF114512.D
Acq: 23 May 2019 4:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.1	49.0	73.6
63	30.9	24.6	37.0





#7

Phenol-d6

Concen: 45.436 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF114512.D

Acq: 23 May 2019 4:18

Instrument :

BNA_F

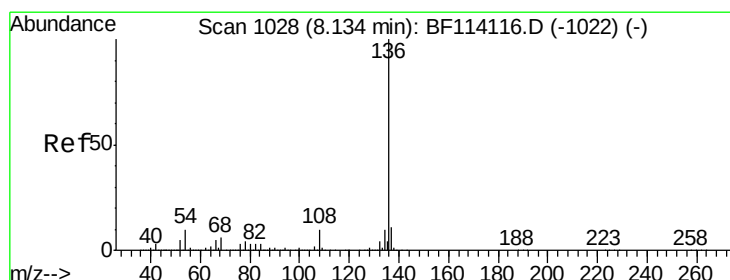
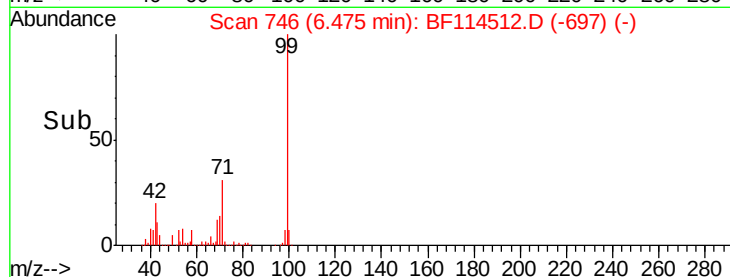
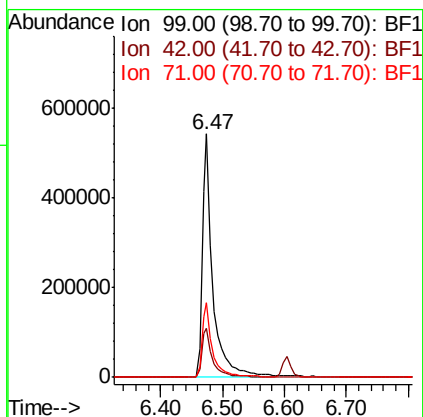
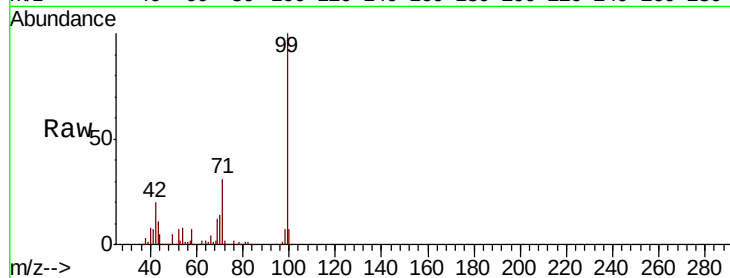
ClientSampleId :

TP-12-S

Tot Ion:	99	Resp:	664680
Ion Ratio	Lower	Upper	
99	100		
42	20.2	17.9	26.9
71	30.9	26.2	39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

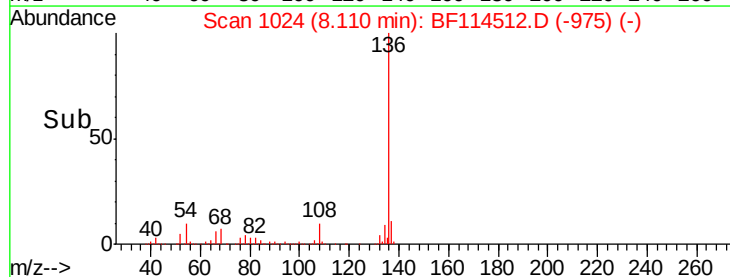
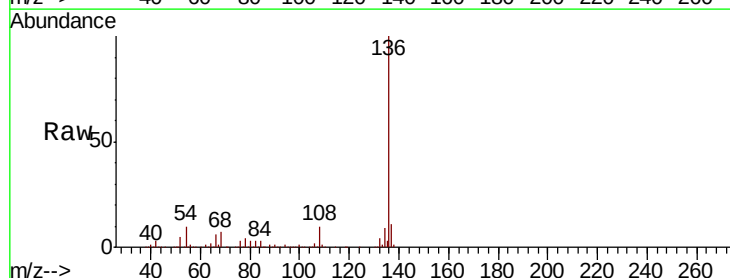
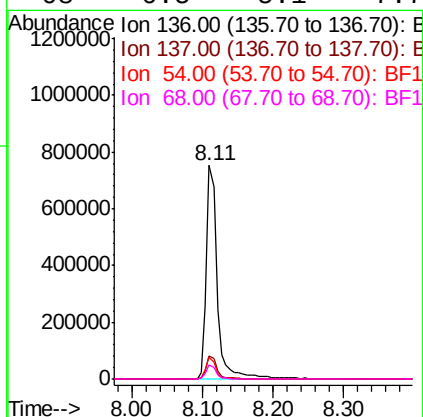
RT: 8.11 min Scan# 1024

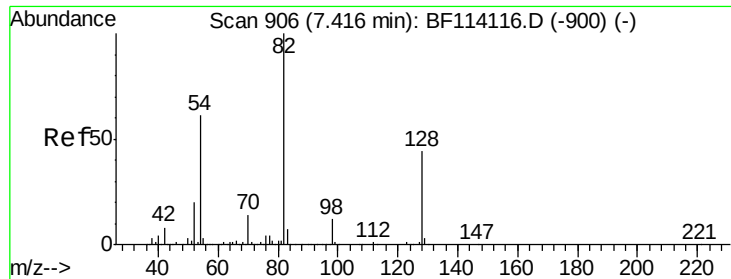
Delta R.T. -0.01 min

Lab File: BF114512.D

Acq: 23 May 2019 4:18

Tgt Ion:	136	Resp:	811787
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	10.3	7.8	11.8
68	6.5	5.1	7.7





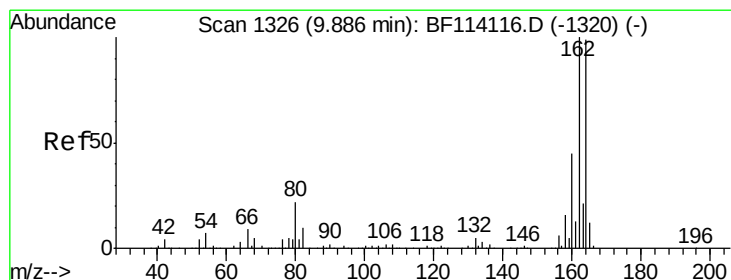
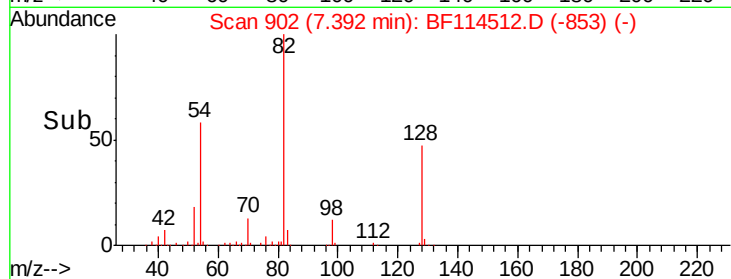
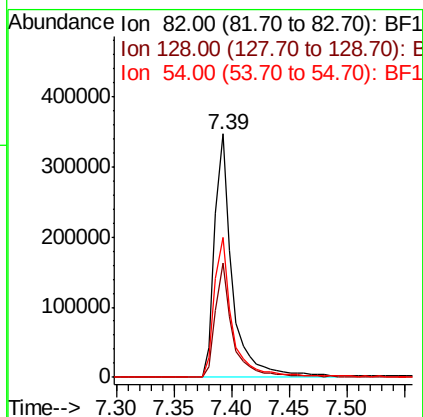
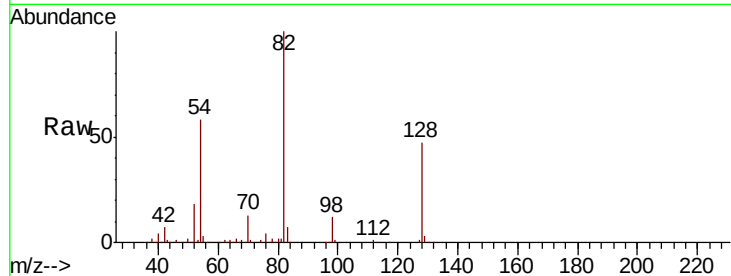
#23
Nitrobenzene-d5
Concen: 25.787 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF114512.D
Acq: 23 May 2019 4:18

Instrument :
BNA_F
ClientSampled :
TP-12-S

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.8	35.5	53.3
54	57.7	48.5	72.7

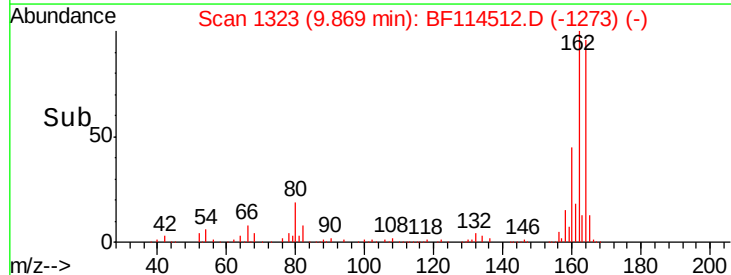
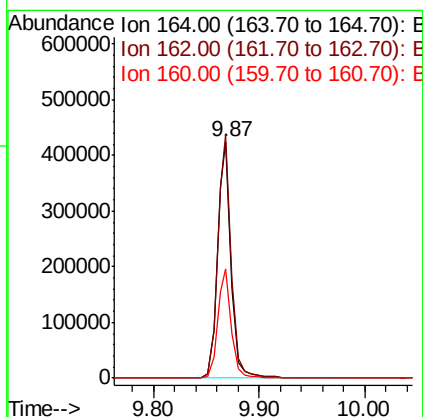
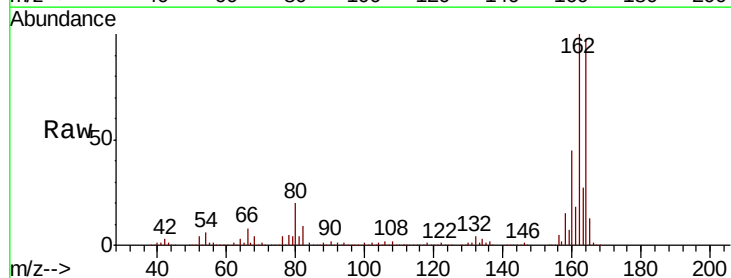
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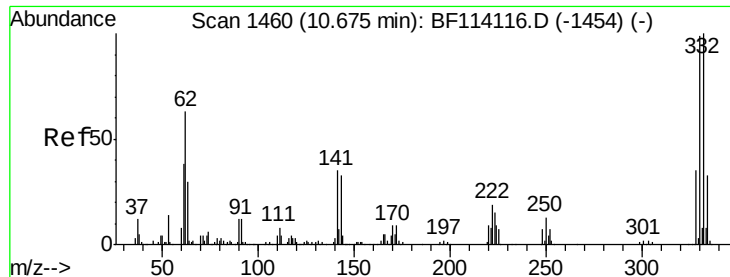
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF114512.D
Acq: 23 May 2019 4:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	80.6	120.8
160	46.5	36.5	54.7





#42

2,4,6-Tribromophenol

Concen: 34.678 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.00 min

Lab File: BF114512.D

Acq: 23 May 2019 4:18

Instrument :

BNA_F

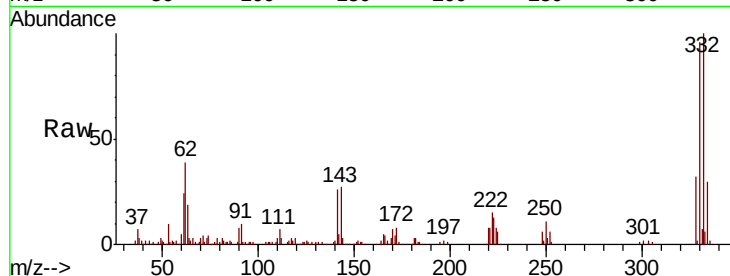
ClientSampleId :

TP-12-S

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	103.2	81.4	122.2	
141	35.4	26.6	40.0	

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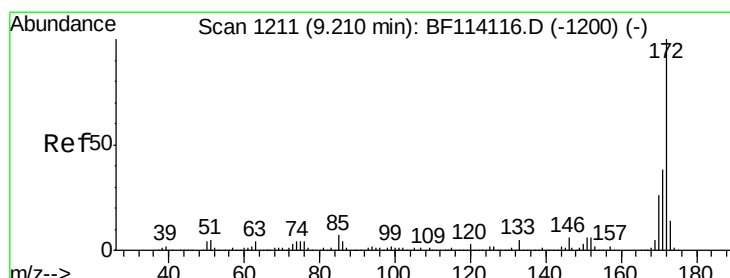
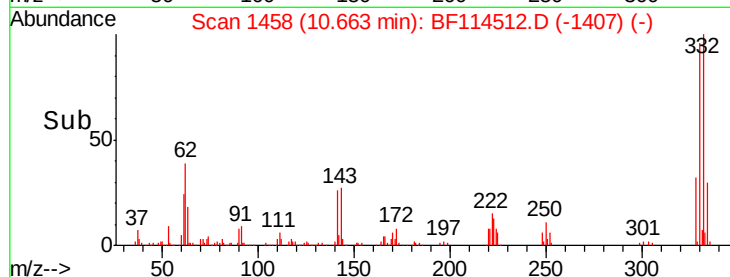
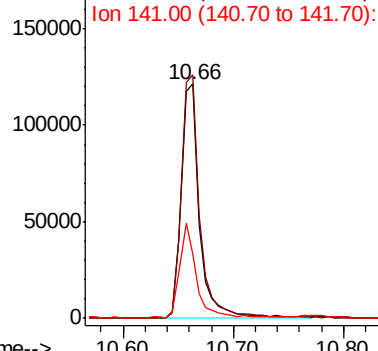


Abundance

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: 29.000 ng

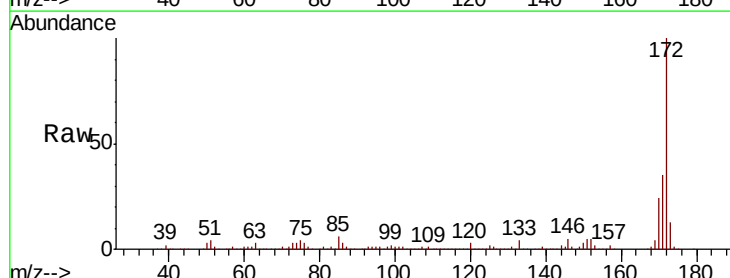
RT: 9.19 min Scan# 1207

Delta R.T. -0.01 min

Lab File: BF114512.D

Acq: 23 May 2019 4:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.2	30.7	46.1	
170	23.5	20.5	30.7	

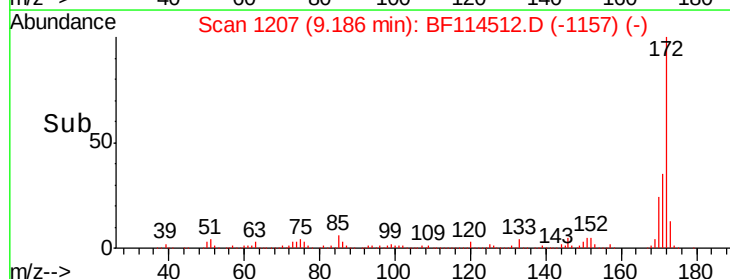
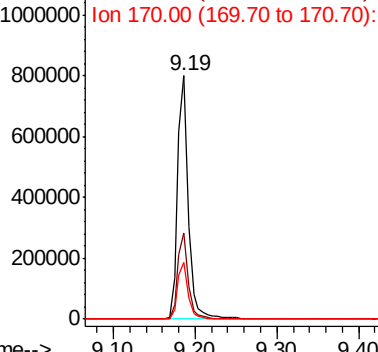


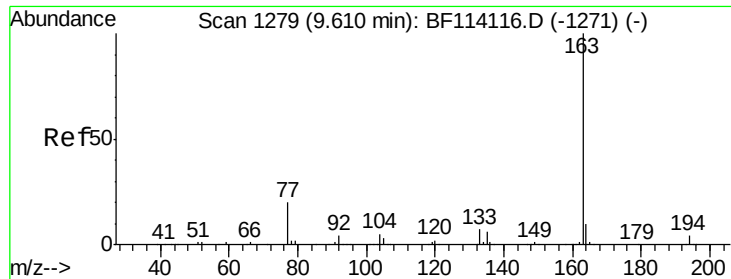
Abundance

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





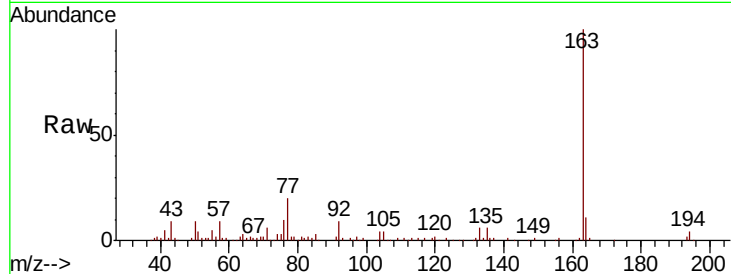
#50
Dimethylphthalate
Concen: 3.721 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF114512.D
Acq: 23 May 2019 4:18

Instrument :
BNA_F
ClientSampled :
TP-12-S

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.7	3.4	5.0
164	10.6	8.2	12.2

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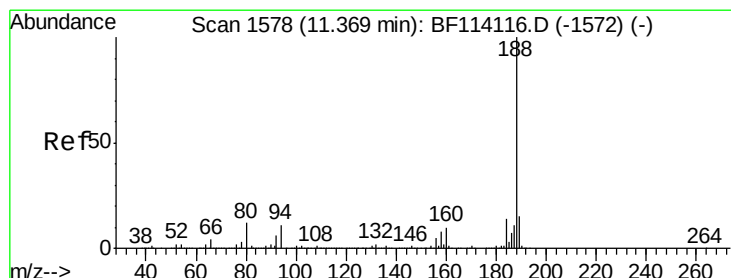
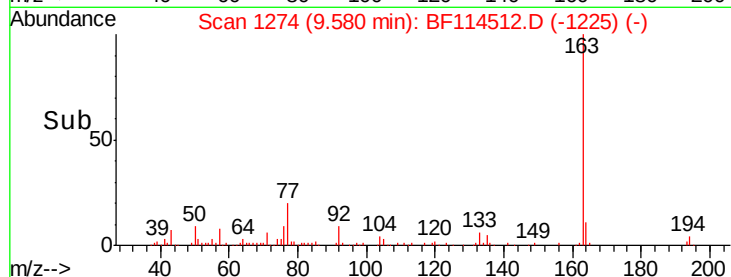
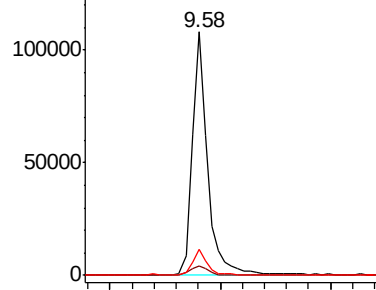


Abundance

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: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF114512.D
Acq: 23 May 2019 4:18

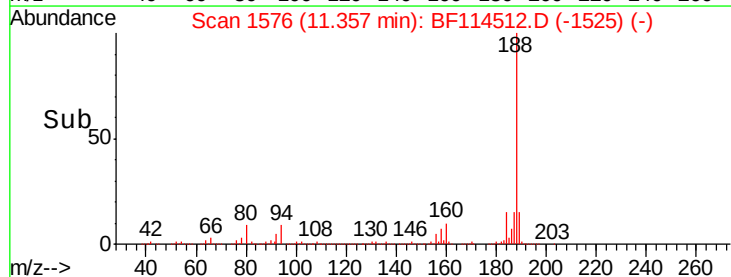
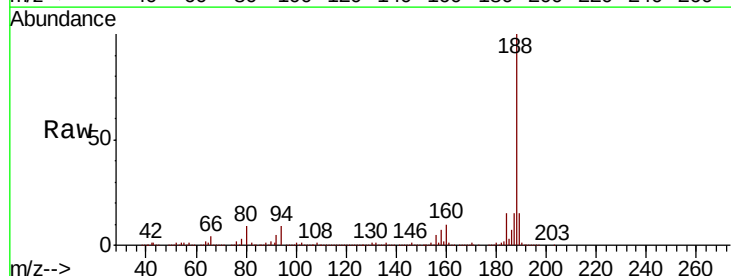
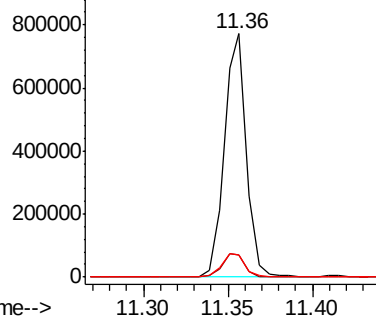
Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	9.0	8.4	12.6
80	9.3	9.2	13.8

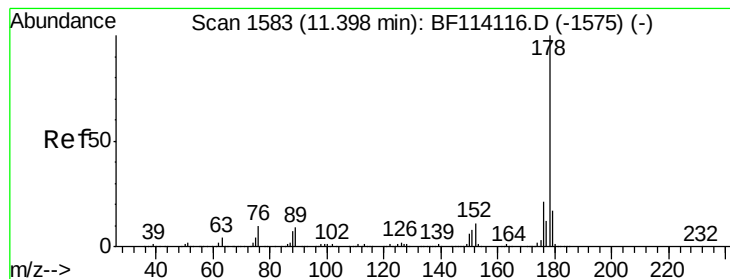
Abundance

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: 6.201 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF114512.D

Acq: 23 May 2019 4:18

Instrument :

BNA_F

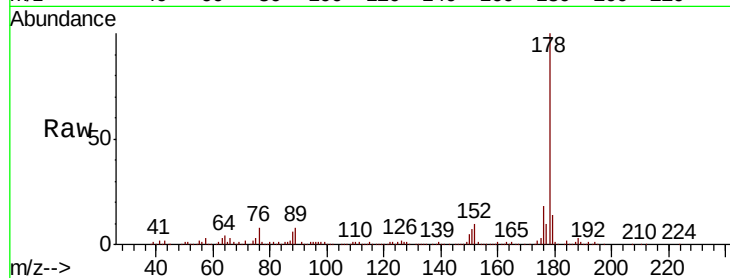
ClientSampleId :

TP-12-S

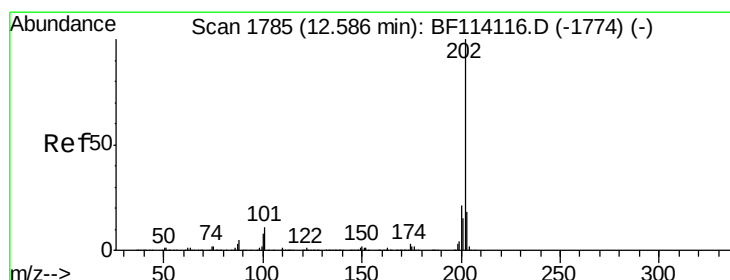
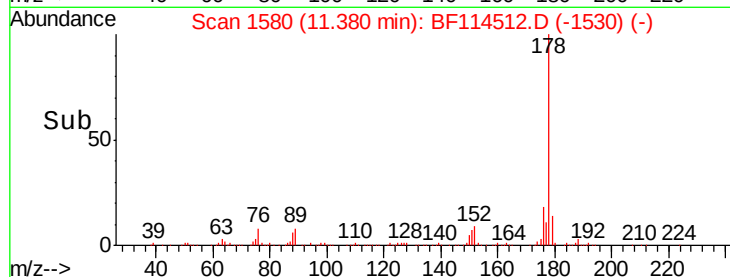
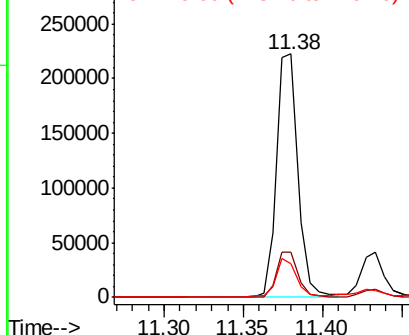
Tot Ion:	178	Resp:	211800
Ion Ratio	Lower	Upper	
178	100		
176	18.4	16.4	24.6
179	14.0	13.2	19.8

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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: 9.067 ng

RT: 12.57 min Scan# 1782

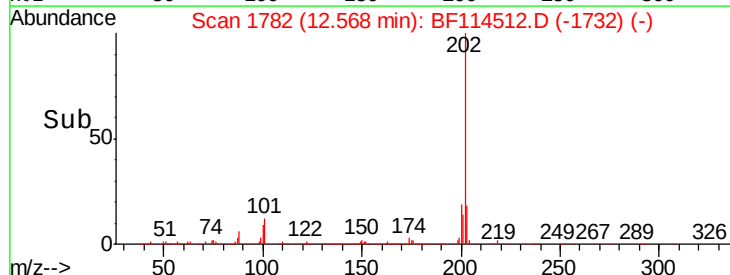
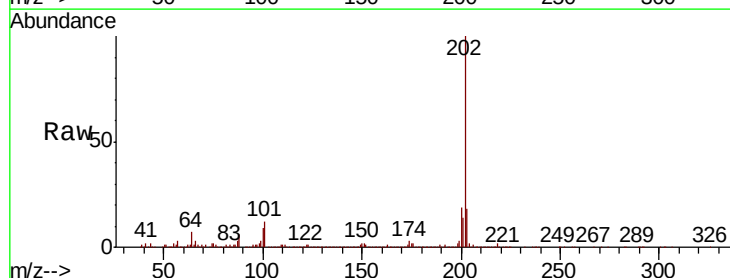
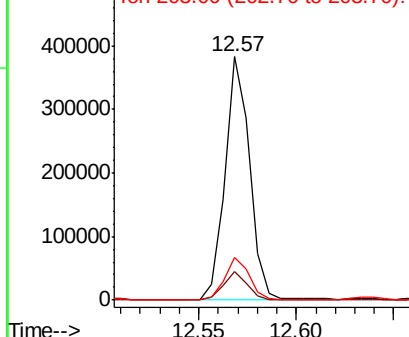
Delta R.T. -0.01 min

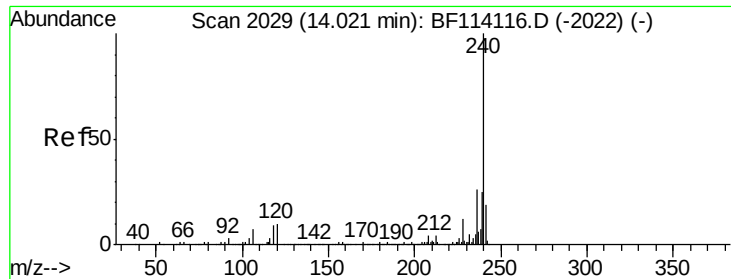
Lab File: BF114512.D

Acq: 23 May 2019 4:18

Tgt Ion:	202	Resp:	333524
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	31.0
203	17.7	0.0	38.4

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





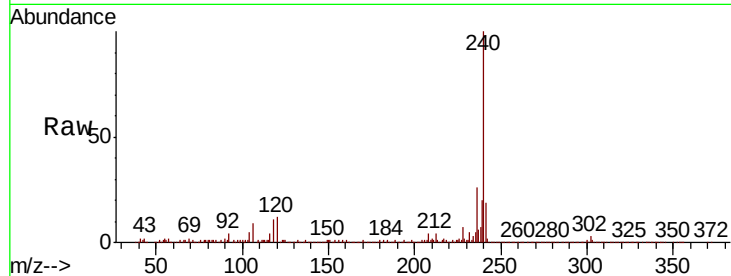
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF114512.D
Acq: 23 May 2019 4:18

Instrument :
BNA_F
ClientSampleId :
TP-12-S

Tot Ion	Ratio	Resp	Lower	Upper
240	100	479890		
120	11.6	8.3	12.5	
236	26.5	20.8	31.2	

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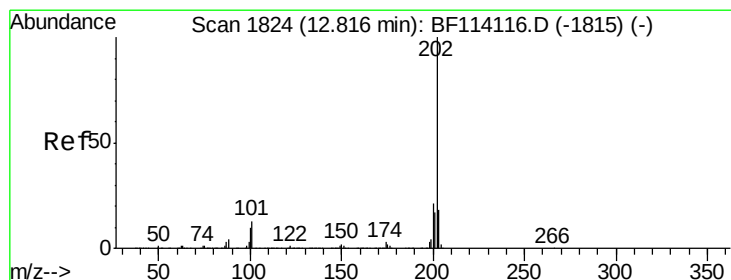
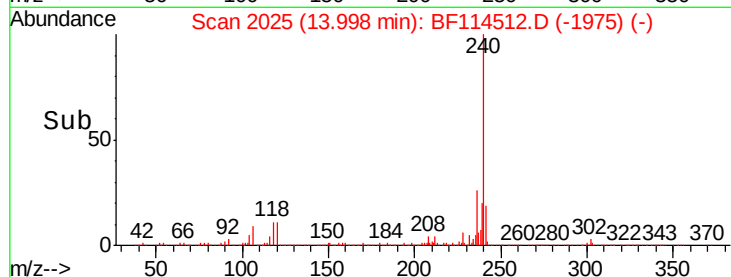
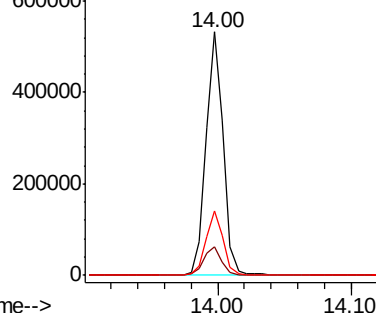


Abundance

Ion 240.00 (239.70 to 240.70): E

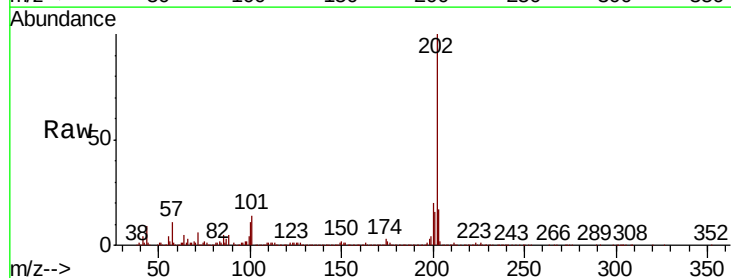
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 7.848 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF114512.D
Acq: 23 May 2019 4:18

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	302963		
200	19.6	16.9	25.3	
203	17.4	14.5	21.7	

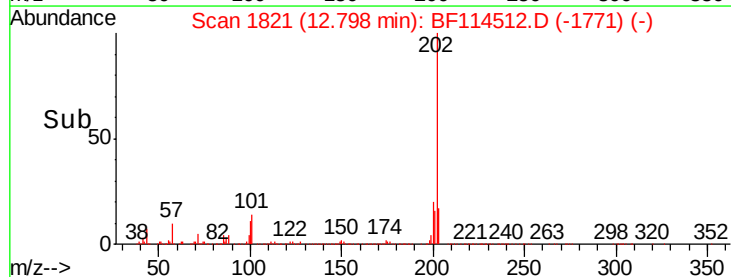
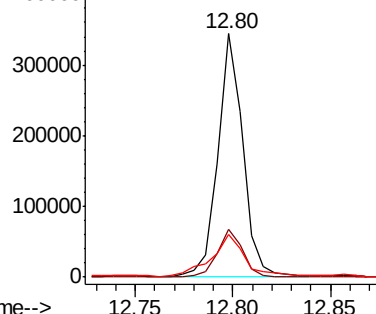


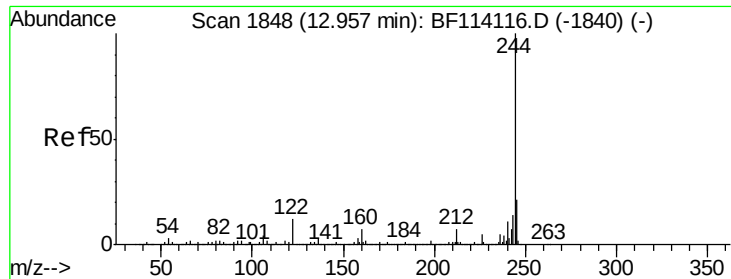
Abundance

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





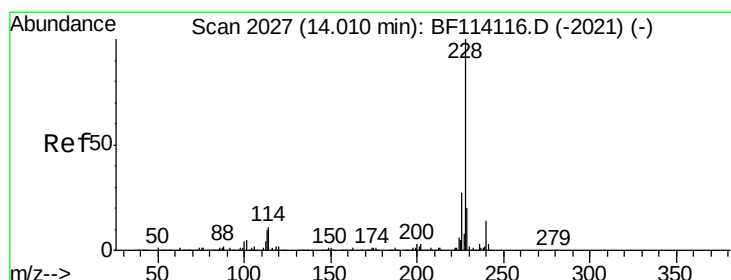
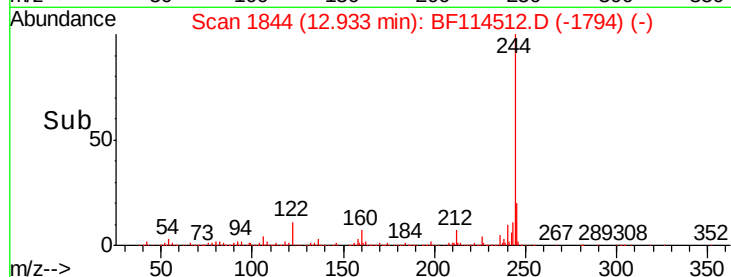
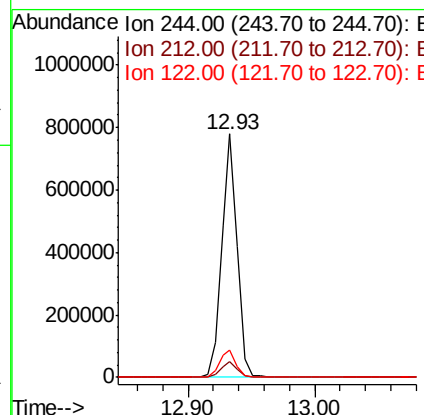
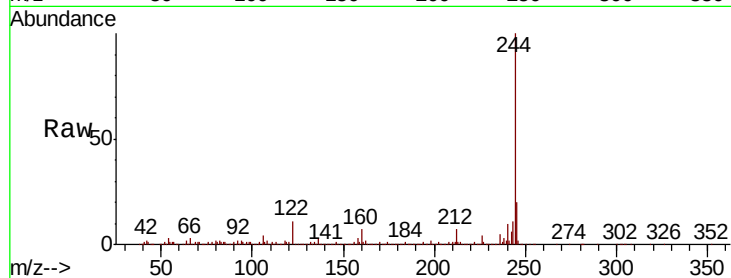
#79
 Terphenyl-d14
 Concen: 28.583 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BF114512.D
 Acq: 23 May 2019 4:18

Instrument :
 BNA_F
 ClientSampled :
 TP-12-S

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	11.4	9.4	14.2

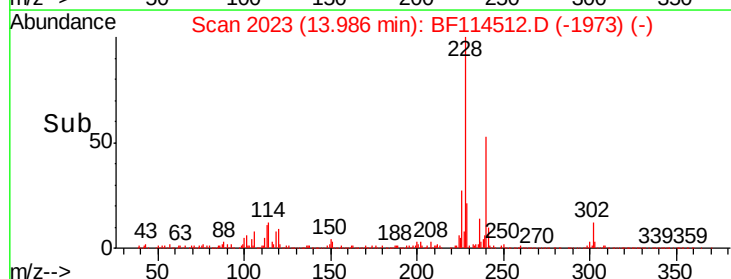
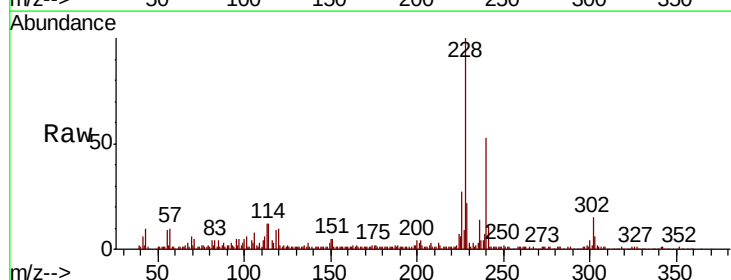
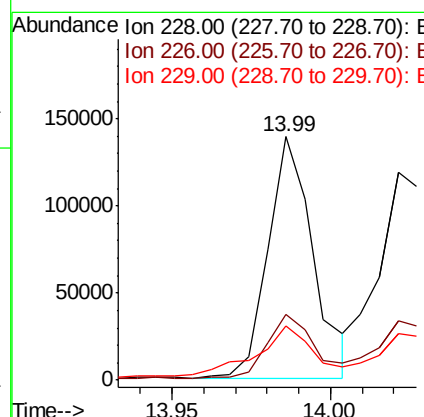
Manual Integrations
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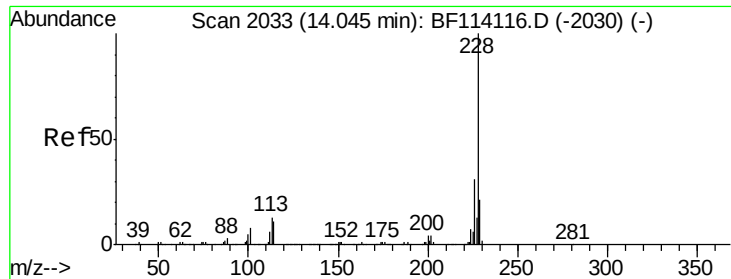
mohammad
 5/24/2019 8:49:44 AM



#81
 Benzo(a)anthracene
 Concen: 4.424 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF114512.D
 Acq: 23 May 2019 4:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.2	33.2
229	22.1	16.4	24.6





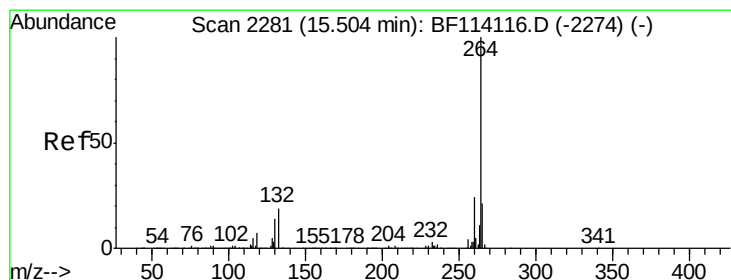
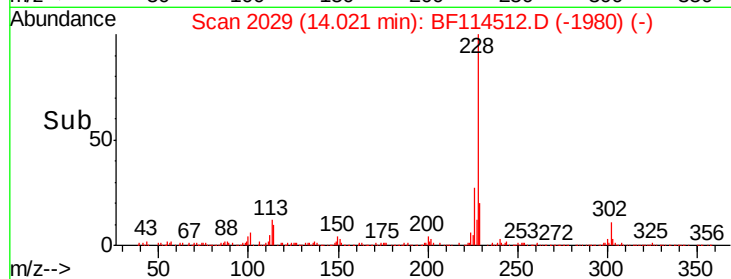
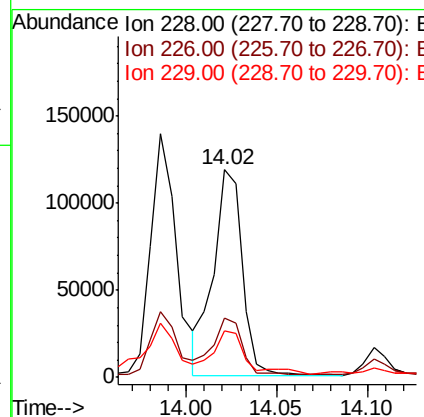
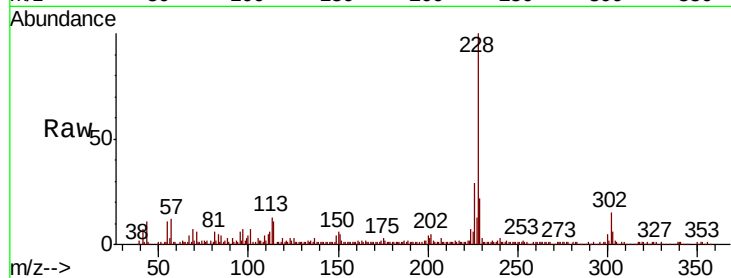
#83
Chrysene
Concen: 4.289 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF114512.D
Acq: 23 May 2019 4:18

Instrument :
BNA_F
ClientSampleId :
TP-12-S

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	25.0	37.6
229	22.3	17.0	25.6

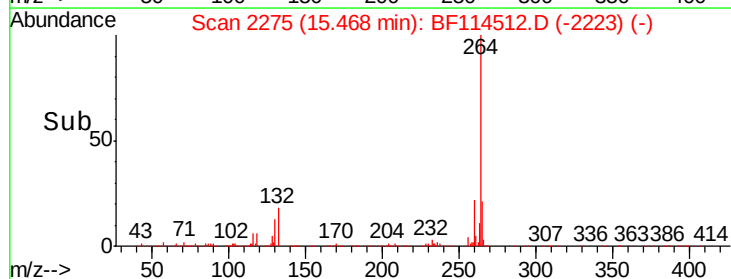
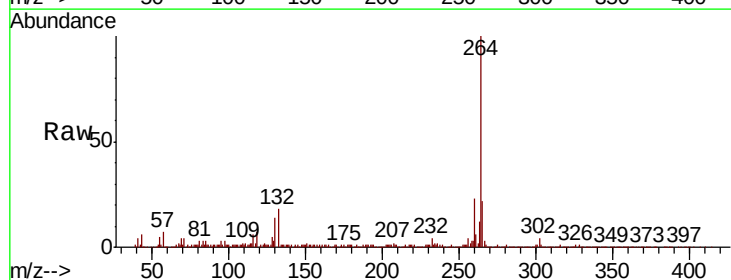
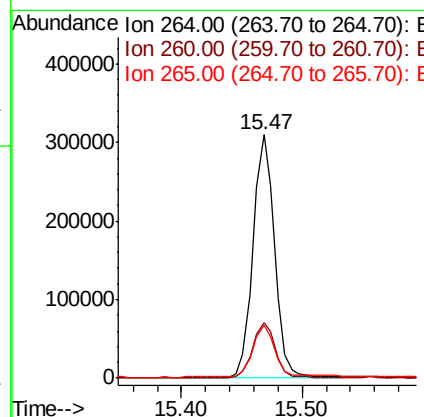
Manual Integrations
APPROVED

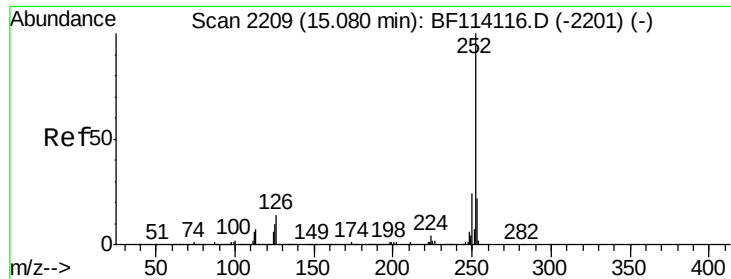
mohammad
5/24/2019 8:49:44 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF114512.D
Acq: 23 May 2019 4:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.4	29.0
265	21.6	16.9	25.3





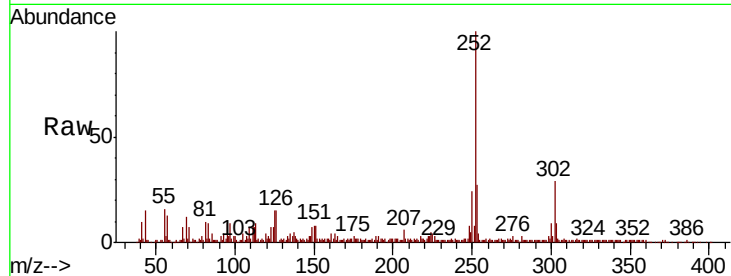
#88
Benzo(b)fluoranthene
Concen: 5.651 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BF114512.D
Acq: 23 May 2019 4:18

Instrument :
BNA_F
ClientSampleId :
TP-12-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.8	26.8
125	15.4	8.3	12.5

Manual Integrations
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5/24/2019 8:49:44 AM

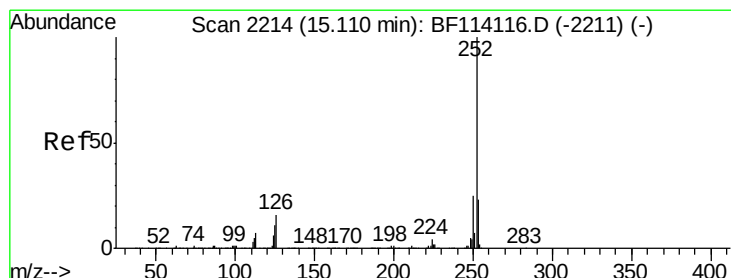
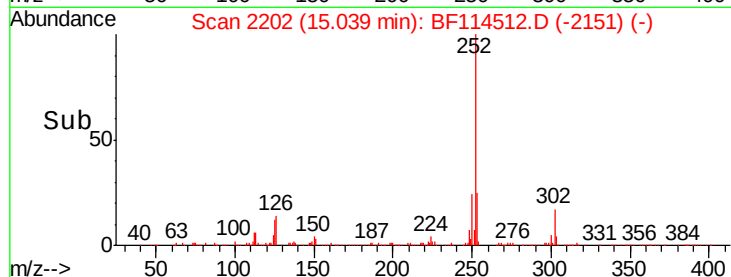
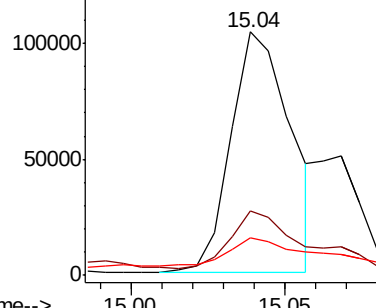


Abundance

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: 2.213 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF114512.D
Acq: 23 May 2019 4:18

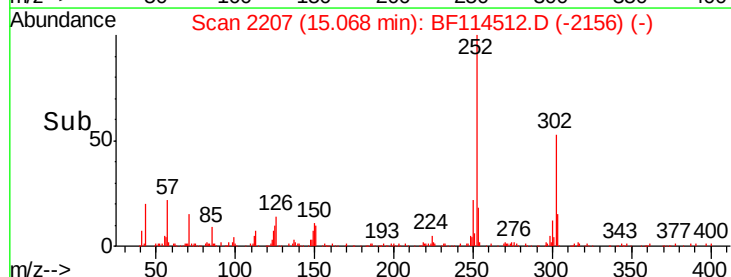
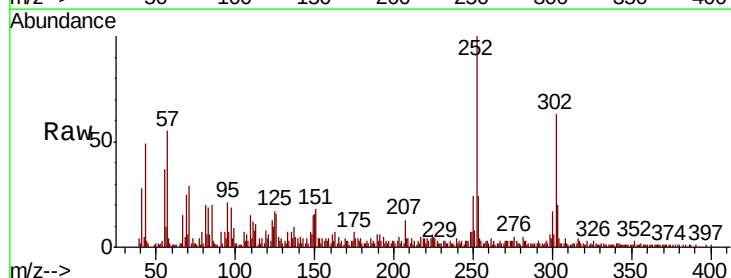
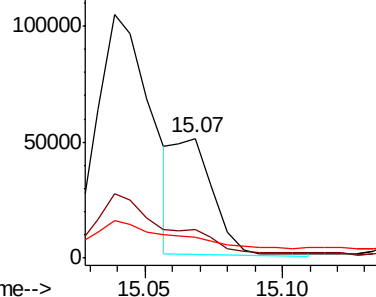
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.2	27.2
125	17.1	8.6	13.0

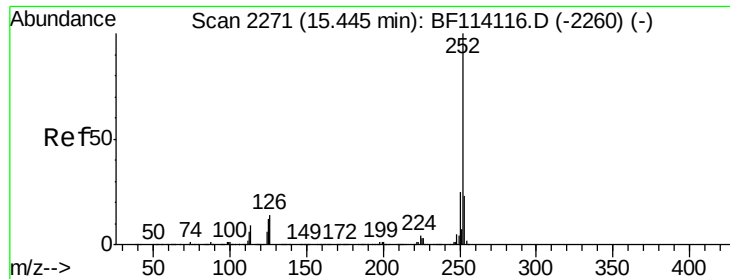
Abundance

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





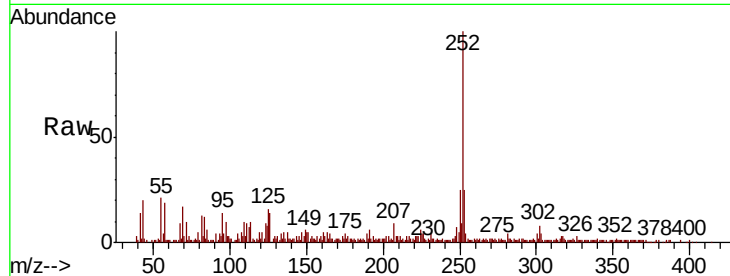
#90
Benzo(a)pyrene
Concen: 4.396 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF114512.D
Acq: 23 May 2019 4:18

Instrument :
BNA_F
ClientSampled :
TP-12-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.1	27.1
125	15.7	9.5	14.3

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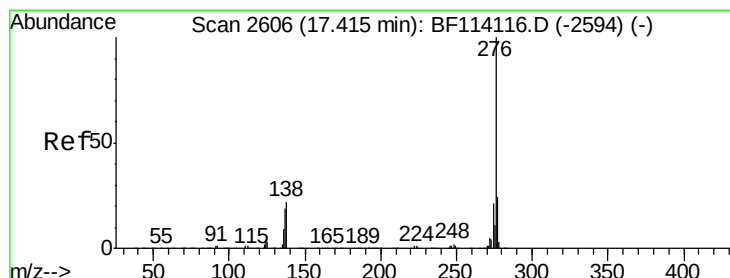
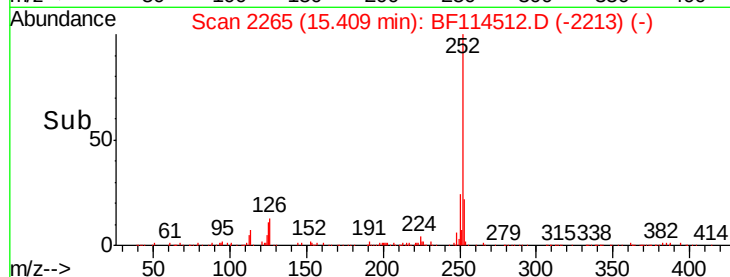
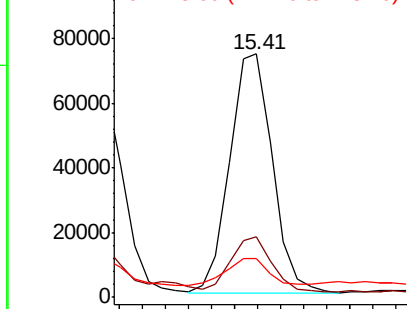


Abundance

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



#92
Benzo(g,h,i)perylene
Concen: 2.817 ng
RT: 17.40 min Scan# 2604
Delta R.T. 0.02 min
Lab File: BF114512.D
Acq: 23 May 2019 4:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.1	19.0	28.4
138	24.3	17.8	26.6

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

