

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
 Data File : BF114368.D
 Acq On : 18 May 2019 00:16
 Operator : JU/SJ
 Sample : K2894-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-0-1

Manual Integrations
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Quant Time: May 18 06:24:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	223057	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	874996	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	415767	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	784713	20.00	ng	0.00
76) Chrysene-d12	14.01	240	527715	20.00	ng	-0.01
87) Perylene-d12	15.49	264	456529	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1150552	83.01	ng	0.00
7) Phenol-d6	6.49	99	1512254	92.25	ng	0.00
23) Nitrobenzene-d5	7.41	82	911174	58.44	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	361883	84.19	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1635891	59.52	ng	-0.01
79) Terphenyl-d14	12.95	244	1478768	57.77	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.59	163	168252	5.513	ng	99
71) Phenanthrene	11.39	178	185195	4.851	ng	97
75) Fluoranthene	12.58	202	436180	10.610	ng	98
78) Pyrene	12.81	202	391988	9.234	ng	99
81) Benzo(a)anthracene	14.00	228	219751	6.438	ng	99
83) Chrysene	14.04	228	194888	5.825	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	83046	2.808	ng	99
88) Benzo(b)fluoranthene	15.05	252	283840m	9.705	ng	
89) Benzo(k)fluoranthene	15.08	252	69168m	2.574	ng	
90) Benzo(a)pyrene	15.42	252	183008	7.110	ng	99
92) Benzo(g,h,i)perylene	17.41	276	76634	3.575	ng	98

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

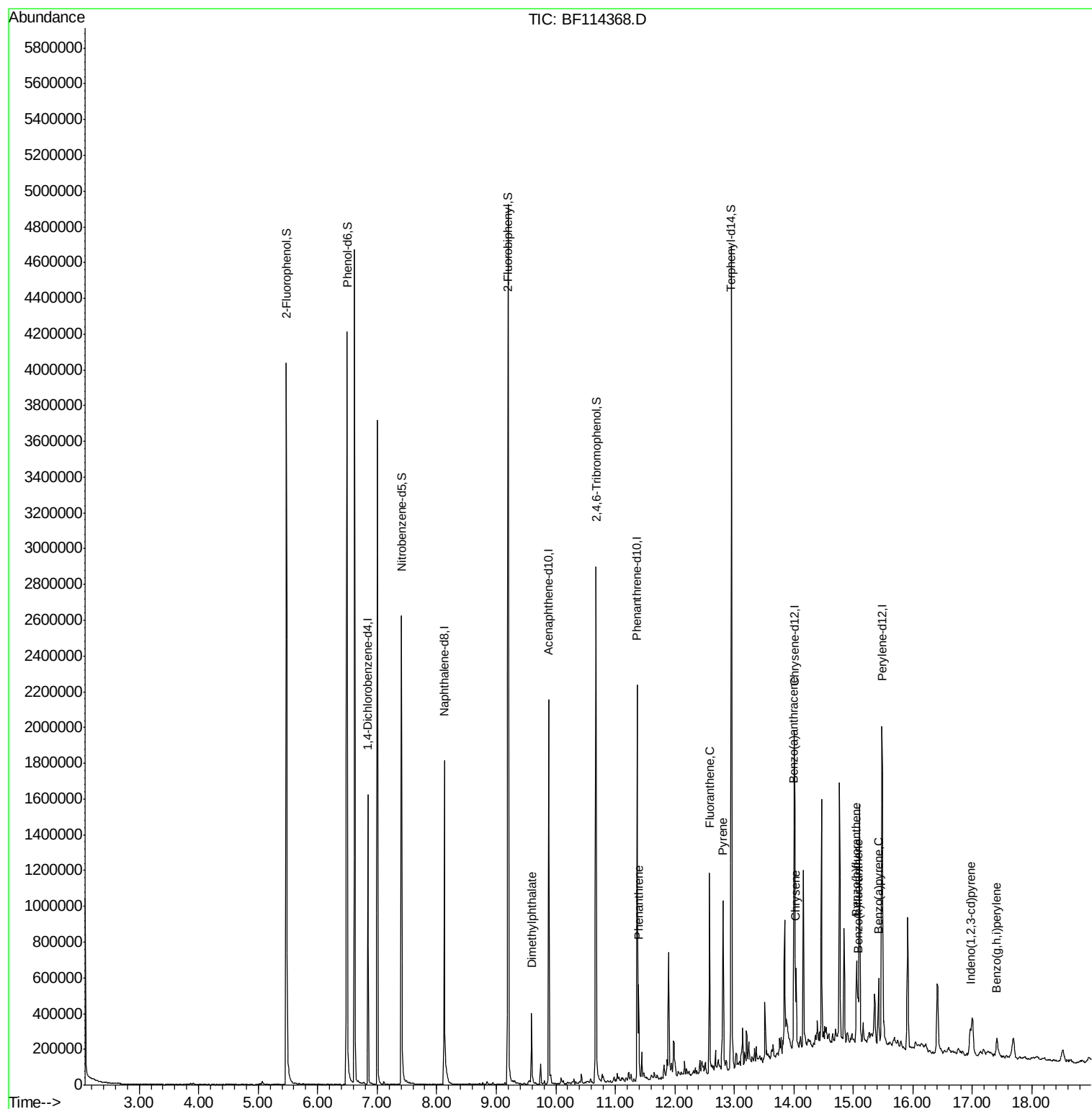
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
Data File : BF114368.D
Acq On : 18 May 2019 00:16
Operator : JU/SJ
Sample : K2894-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

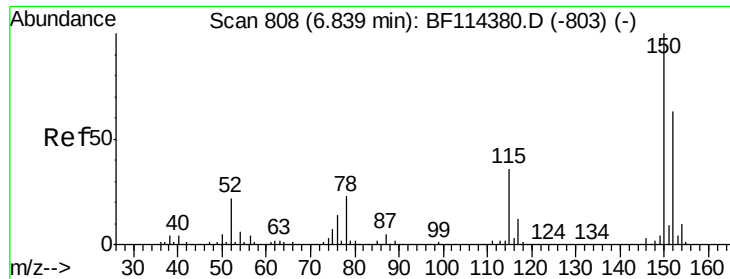
Instrument :
BNA_F
ClientSampleId :
SB-04-0-1

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Quant Time: May 18 06:24:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration





#1

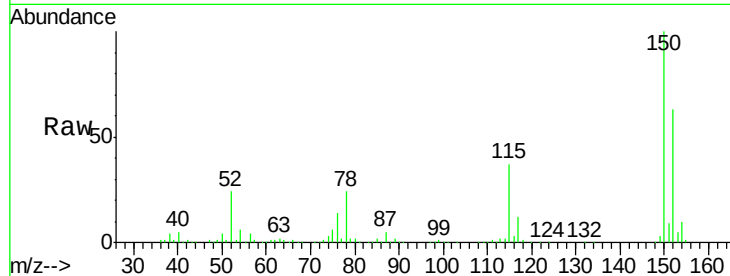
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

Instrument :
BNA_F
ClientSampled :
SB-04-0-1

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	223057		
150	158.2	124.3	186.5	
115	59.1	49.1	73.7	

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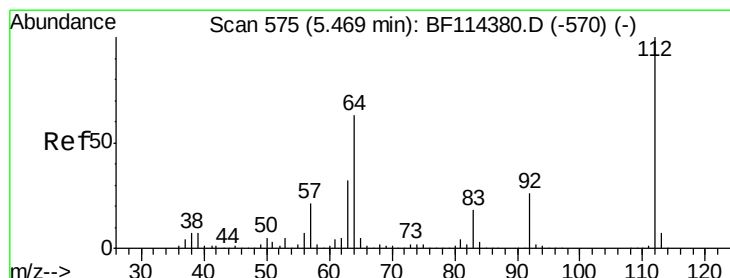
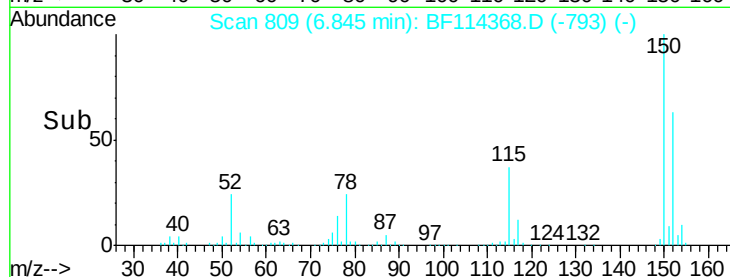
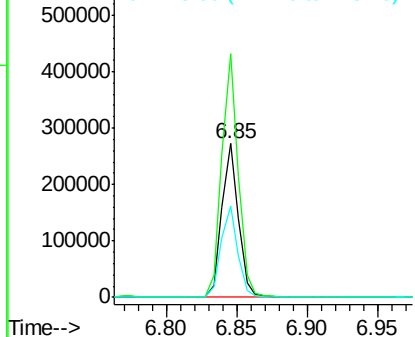


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

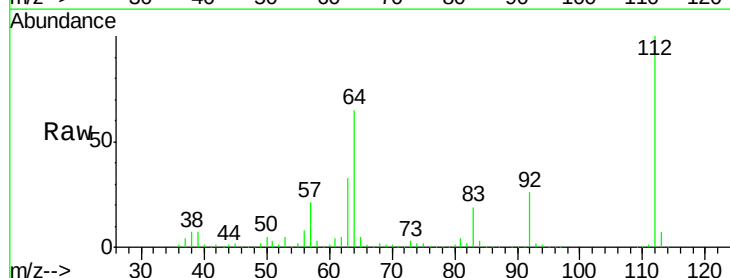
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 83.007 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1150552		
64	65.2	49.0	73.6	
63	33.1	24.6	37.0	

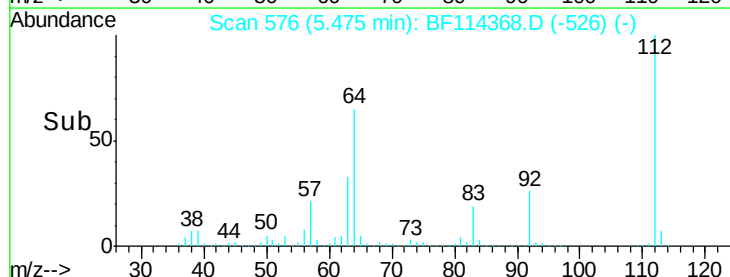
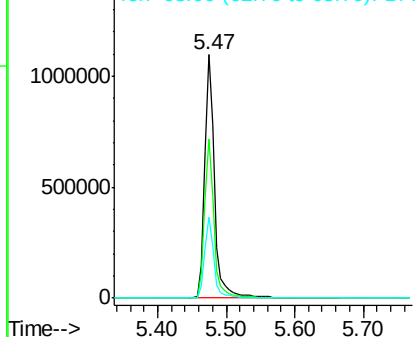


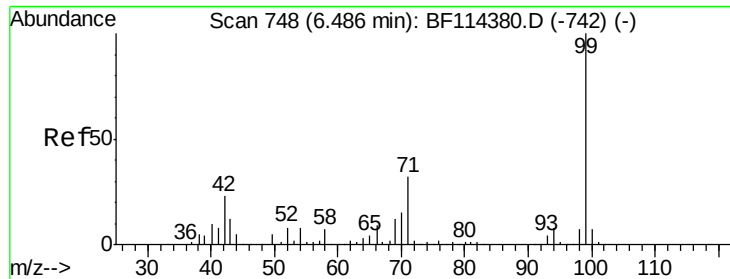
Abundance

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: 92.246 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114368.D

Acq: 18 May 2019 00:16

Instrument :

BNA_F

ClientSampleId :

SB-04-0-1

Tgt Ion: 99 Resp: 1512254

Ion Ratio Lower Upper

99 100

42 21.4 17.9 26.9

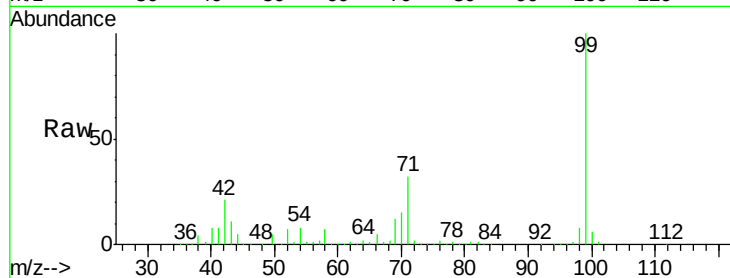
71 31.7 26.2 39.2

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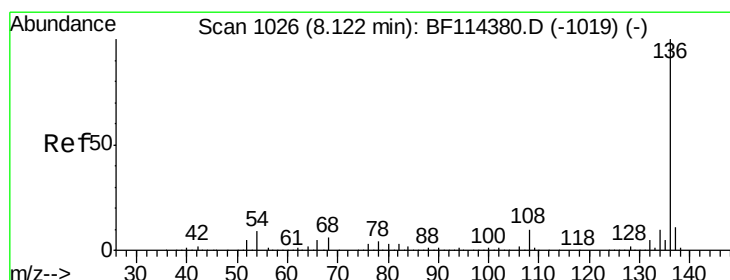
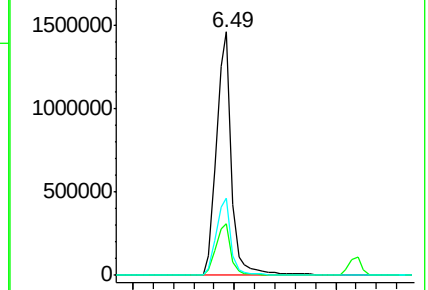
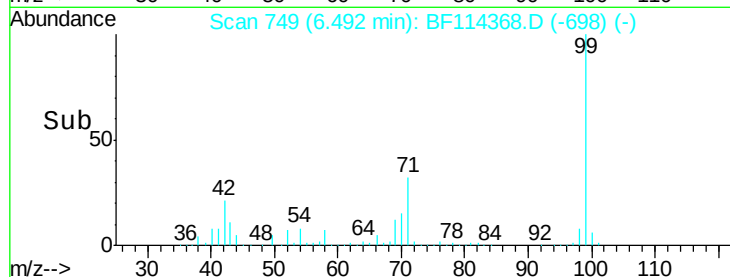
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF114368.D

Acq: 18 May 2019 00:16

Tgt Ion: 136 Resp: 874996

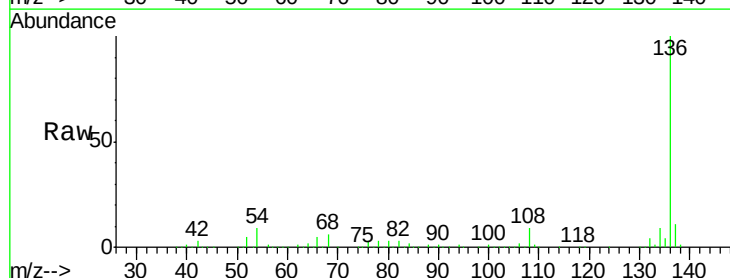
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 9.4 7.8 11.8

68 6.4 5.1 7.7

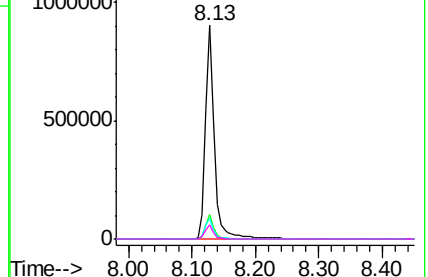
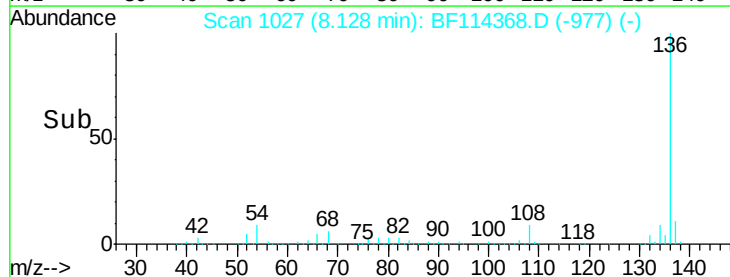


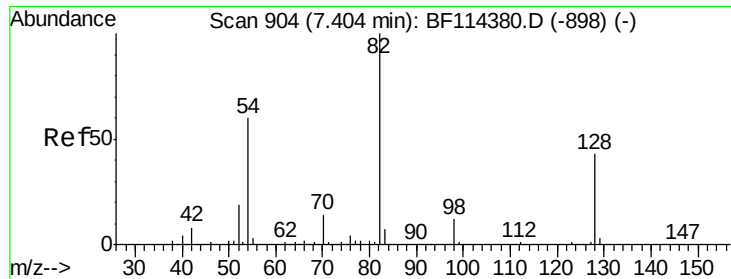
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





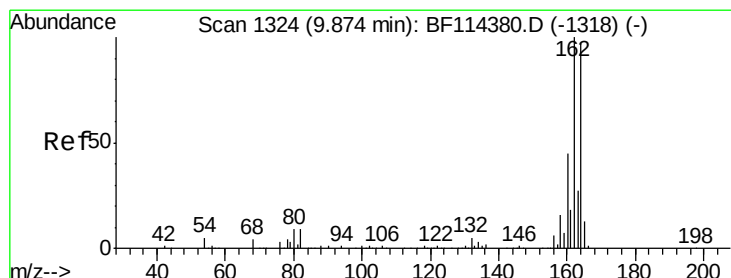
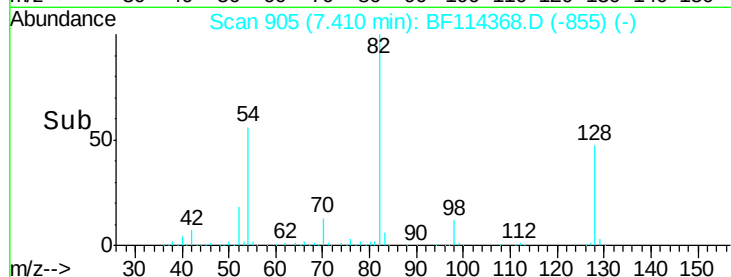
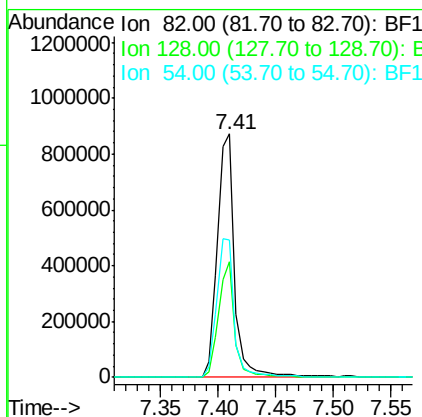
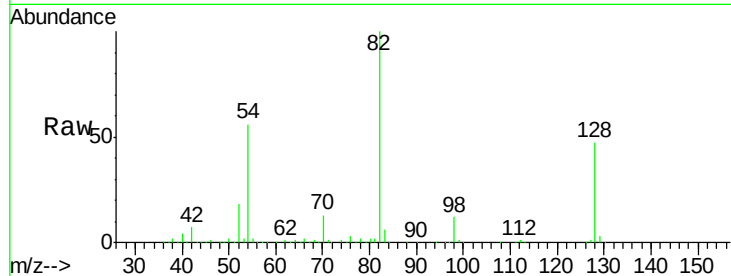
#23
 Nitrobenzene-d5
 Concen: 58.440 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF114368.D
 Acq: 18 May 2019 00:16

Instrument :
 BNA_F
 ClientSampled :
 SB-04-0-1

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	911174		
128	47.4	35.5	53.3	
54	56.2	48.5	72.7	

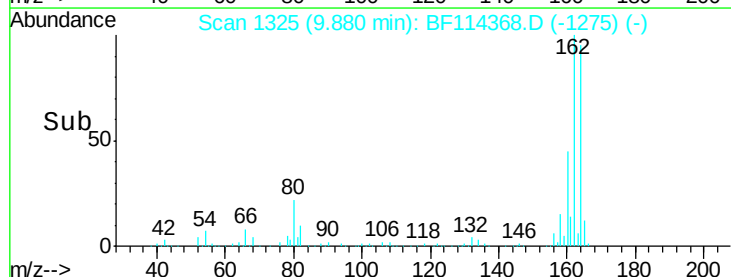
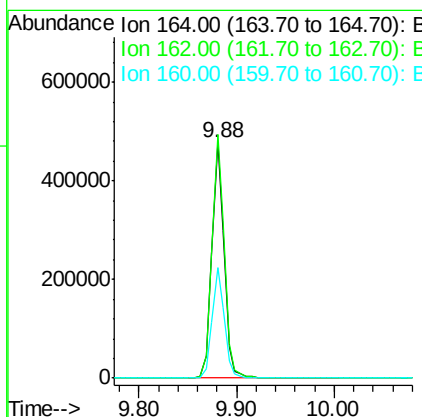
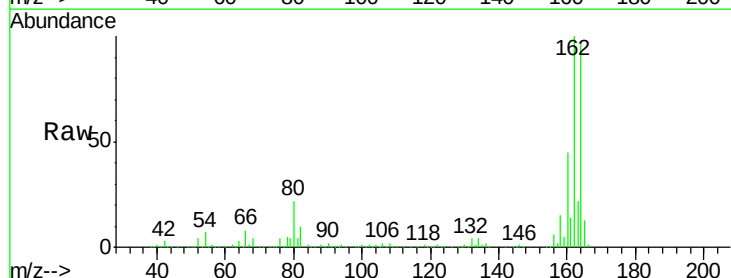
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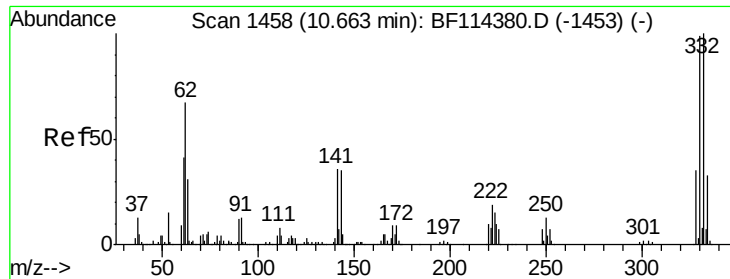
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF114368.D
 Acq: 18 May 2019 00:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	415767		
162	103.3	80.6	120.8	
160	46.7	36.5	54.7	





#42

2,4,6-Tribromophenol

Concen: 84.191 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114368.D

Acq: 18 May 2019 00:16

Instrument :

BNA_F

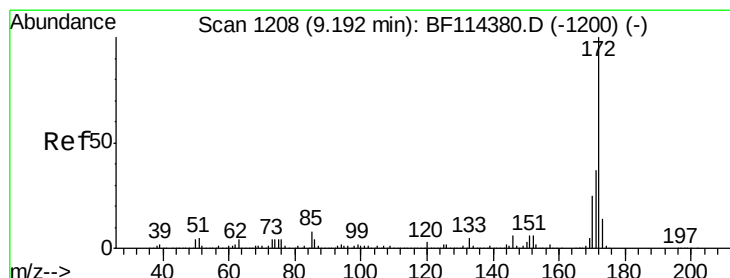
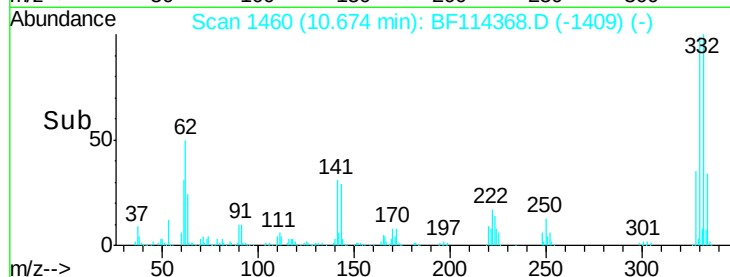
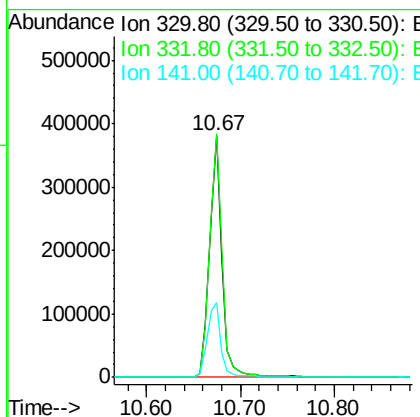
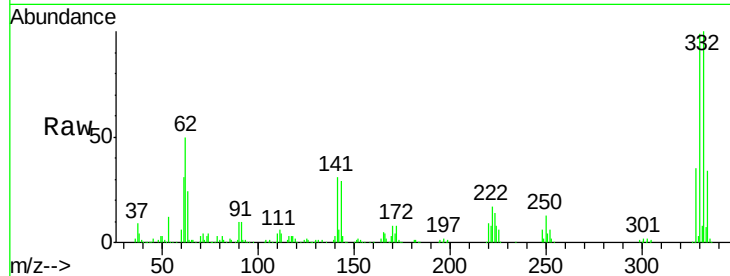
ClientSampled :

SB-04-0-1

Tgt Ion:	330	Resp:	361883
Ion Ratio	Lower	Upper	
330	100		
332	102.2	81.4	122.2
141	33.5	26.6	40.0

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#45

2-Fluorobiphenyl

Concen: 59.518 ng

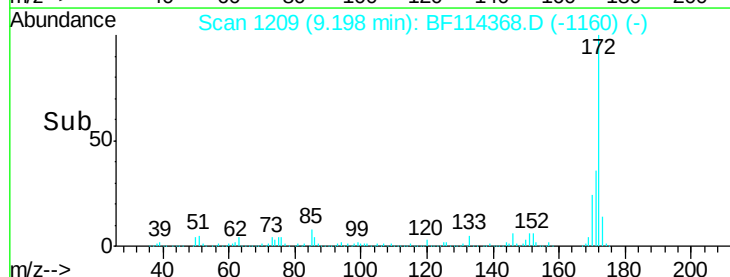
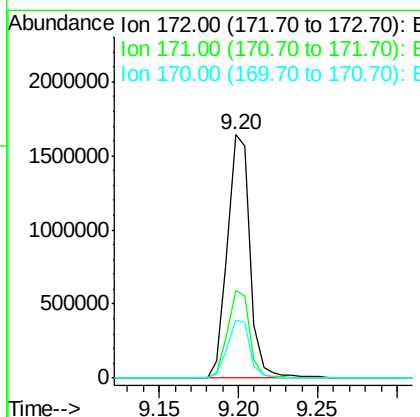
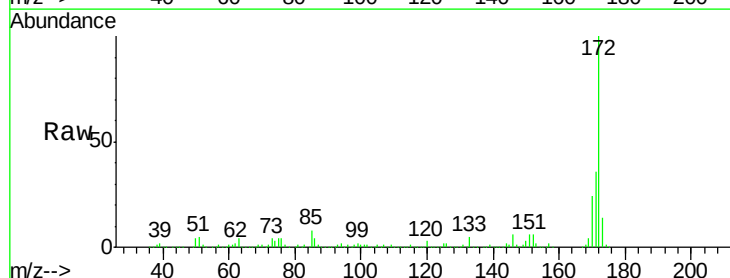
RT: 9.20 min Scan# 1209

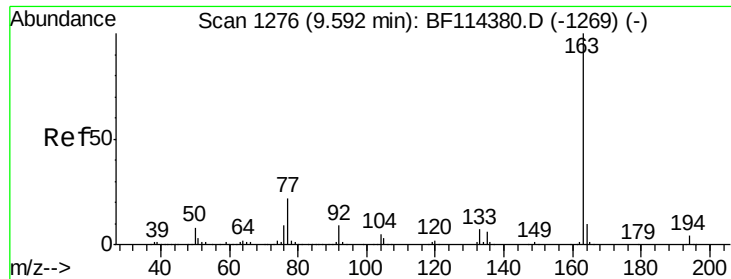
Delta R.T. -0.01 min

Lab File: BF114368.D

Acq: 18 May 2019 00:16

Tgt Ion:	172	Resp:	1635891
Ion Ratio	Lower	Upper	
172	100		
171	36.1	30.7	46.1
170	23.9	20.5	30.7





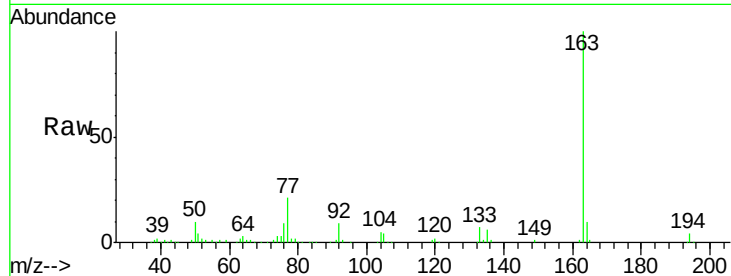
#50
Dimethylphthalate
Concen: 5.513 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

Instrument :
BNA_F
ClientSampleId :
SB-04-0-1

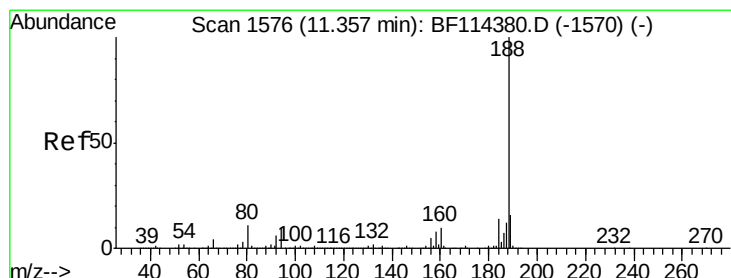
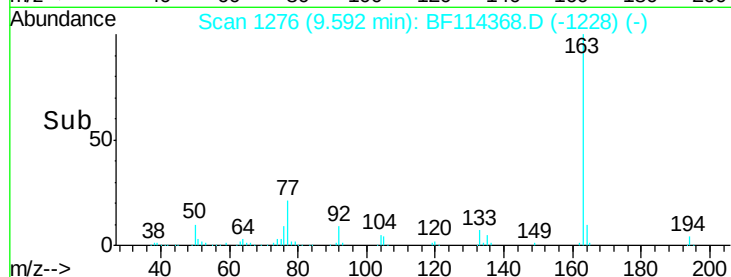
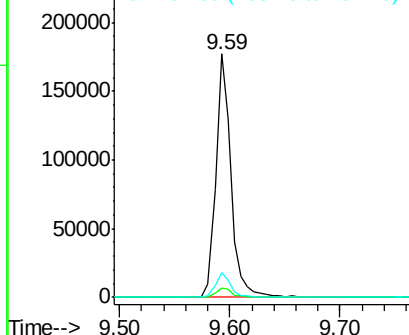
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	168252		
194	3.8		3.4	5.0
164	10.0		8.2	12.2

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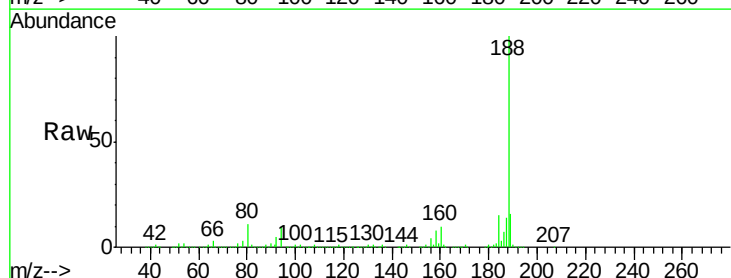


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

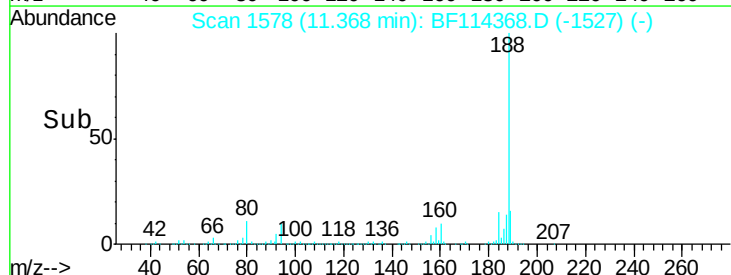
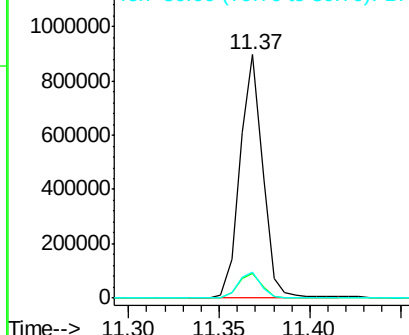


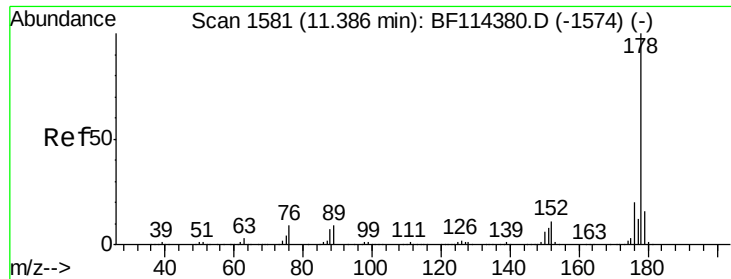
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	784713		
94	9.9		8.4	12.6
80	10.6		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: 4.851 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF114368.D

Acq: 18 May 2019 00:16

Instrument :

BNA_F

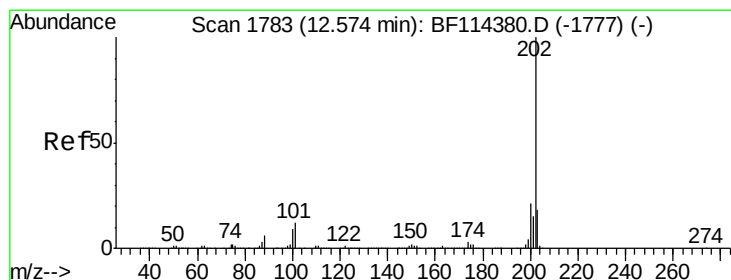
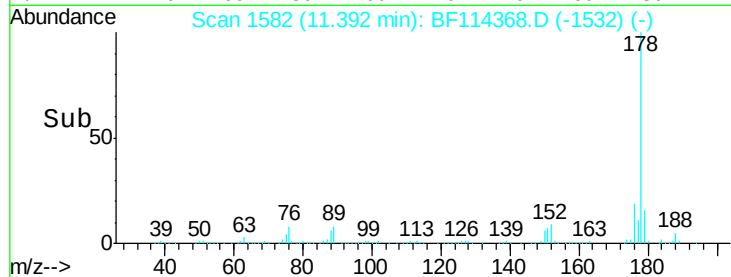
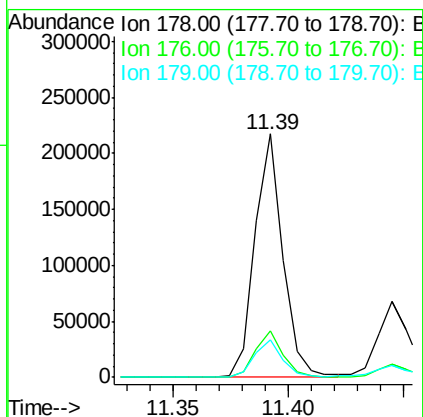
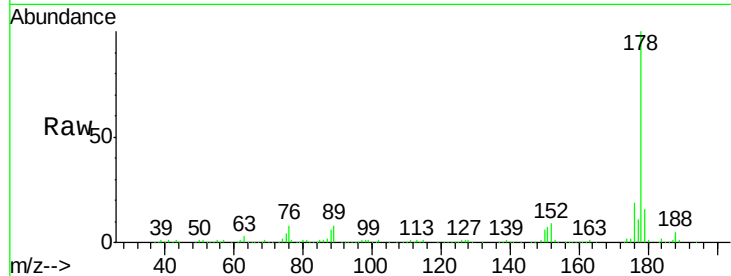
ClientSampled :

SB-04-0-1

Tgt Ion:	178	Resp:	185195
Ion Ratio	Lower	Upper	
178	100		
176	18.9	16.4	24.6
179	15.7	13.2	19.8

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#75

Fluoranthene

Concen: 10.610 ng

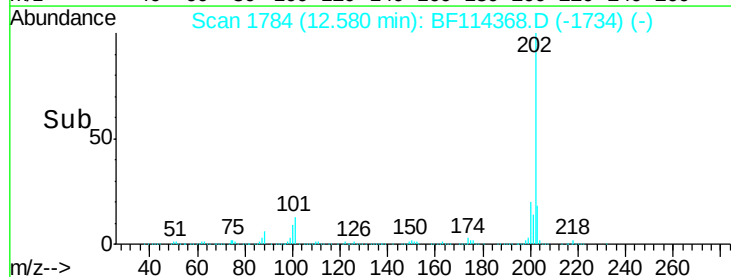
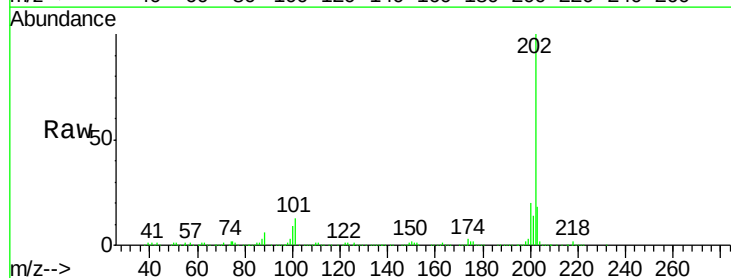
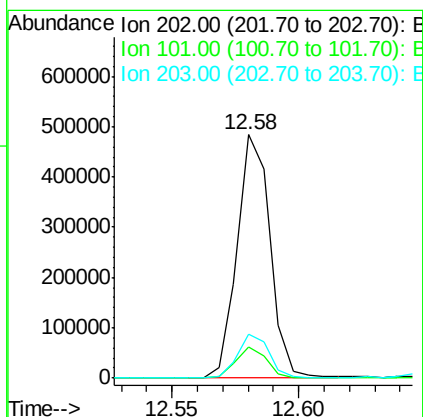
RT: 12.58 min Scan# 1784

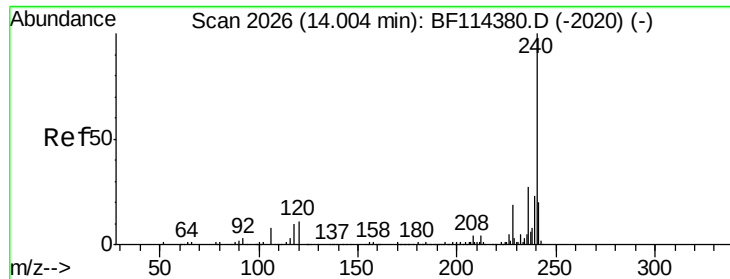
Delta R.T. -0.01 min

Lab File: BF114368.D

Acq: 18 May 2019 00:16

Tgt Ion:	202	Resp:	436180
Ion Ratio	Lower	Upper	
202	100		
101	12.6	0.0	31.0
203	18.0	0.0	38.4





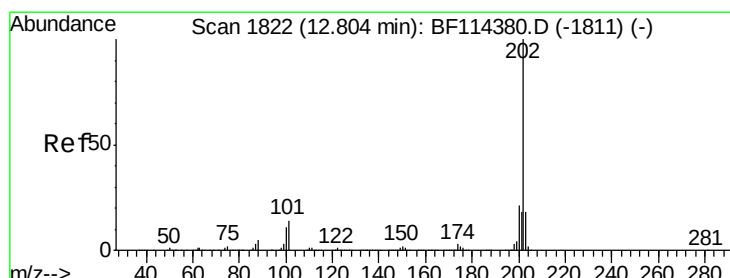
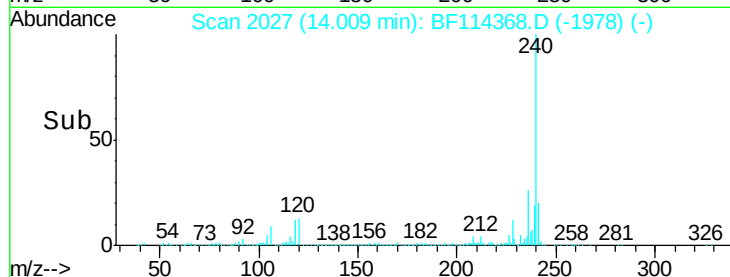
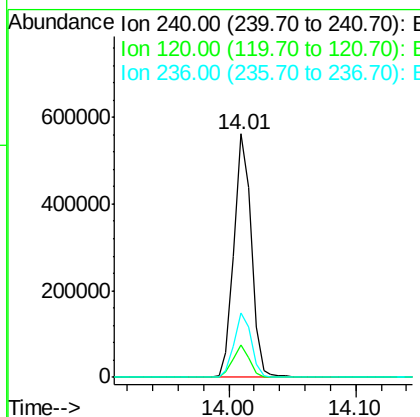
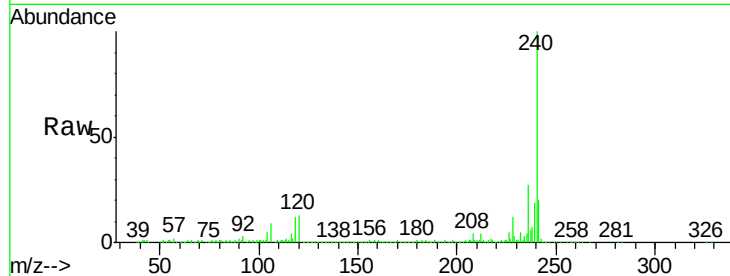
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

Instrument :
BNA_F
ClientSampleId :
SB-04-0-1

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	527715		
120	13.1	8.3	12.5#	
236	26.5	20.8	31.2	

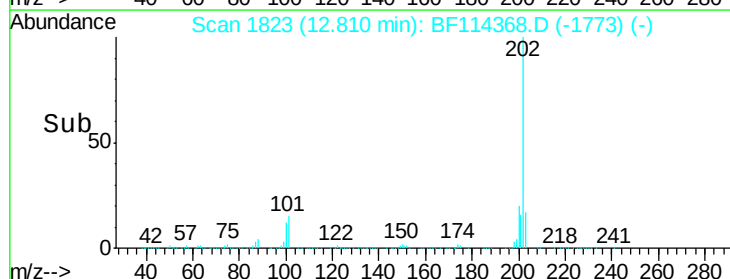
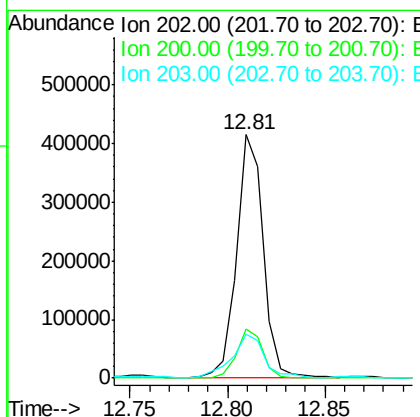
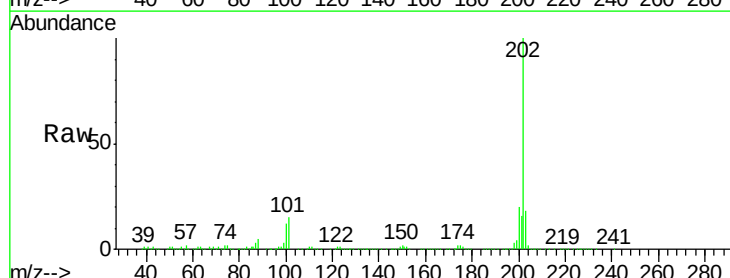
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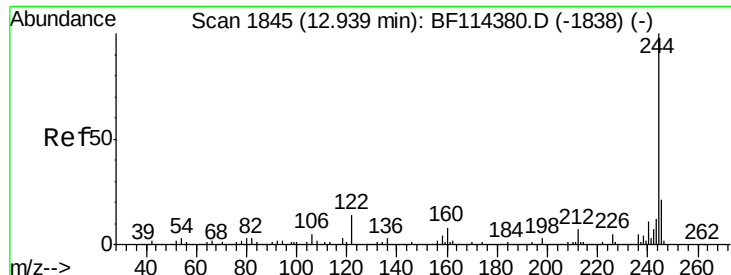
mohammad
5/21/2019 2:16:28 PM



#78
Pyrene
Concen: 9.234 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	391988		
200	19.9	16.9	25.3	
203	18.1	14.5	21.7	





#79

Terphenyl-d14

Concen: 57.766 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114368.D

Acq: 18 May 2019 00:16

Instrument :

BNA_F

ClientSampleId :

SB-04-0-1

Tgt Ion:244 Resp: 1478768

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

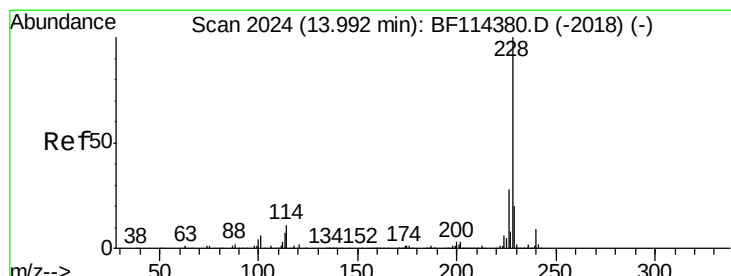
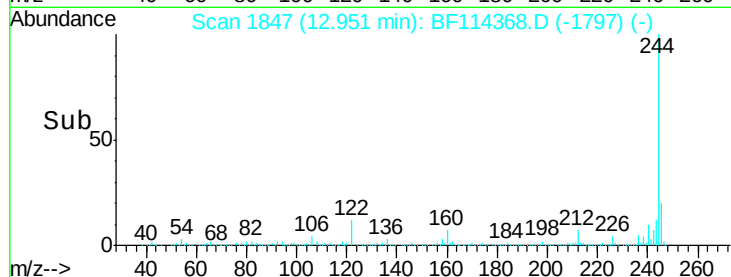
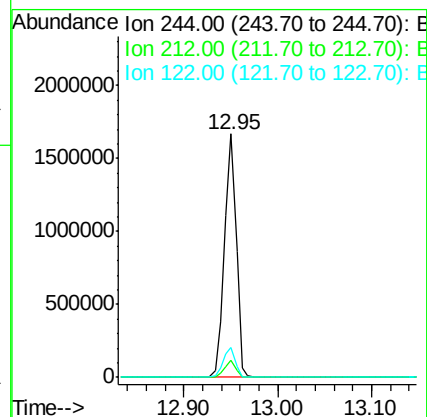
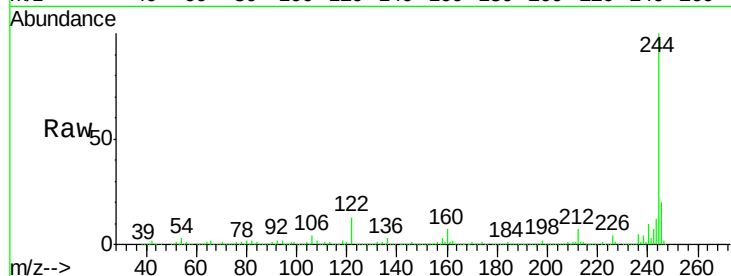
122 12.5 9.4 14.2

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#81

Benzo(a)anthracene

Concen: 6.438 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF114368.D

Acq: 18 May 2019 00:16

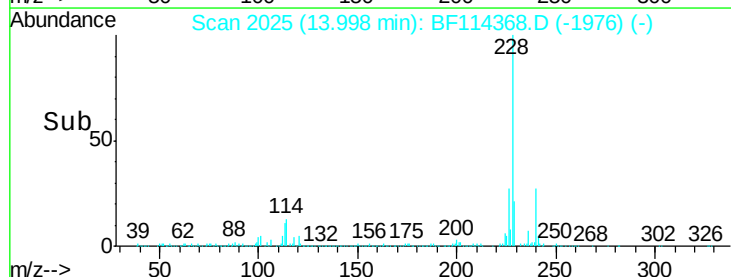
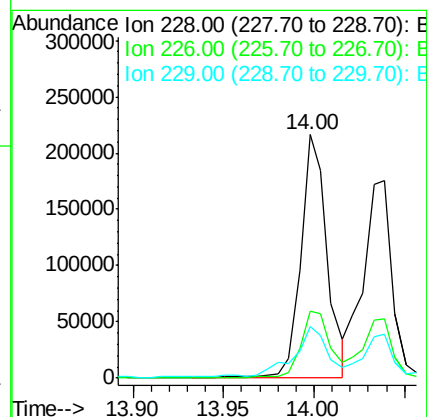
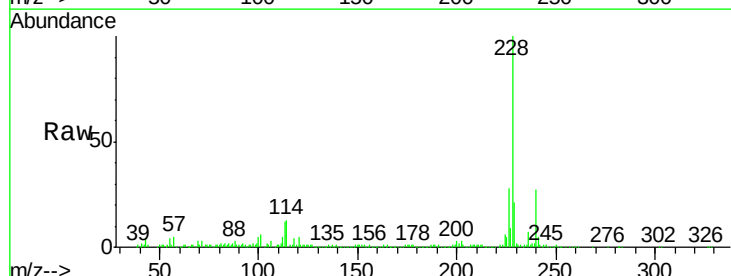
Tgt Ion:228 Resp: 219751

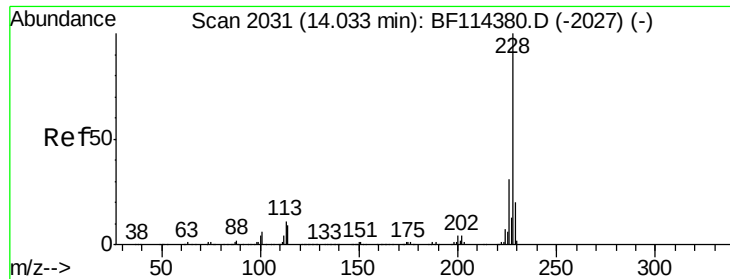
Ion Ratio Lower Upper

228 100

226 27.7 22.2 33.2

229 21.4 16.4 24.6





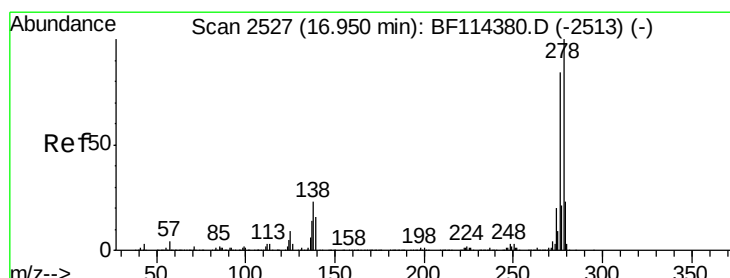
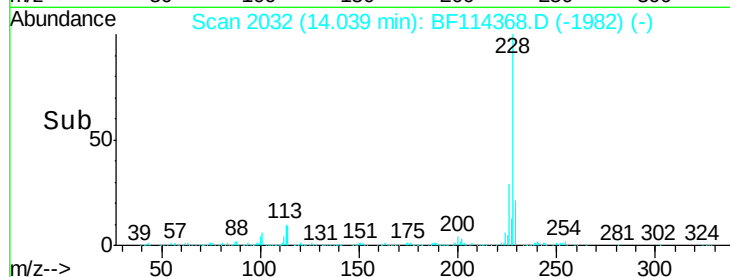
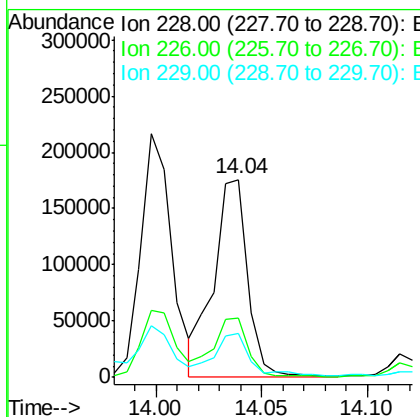
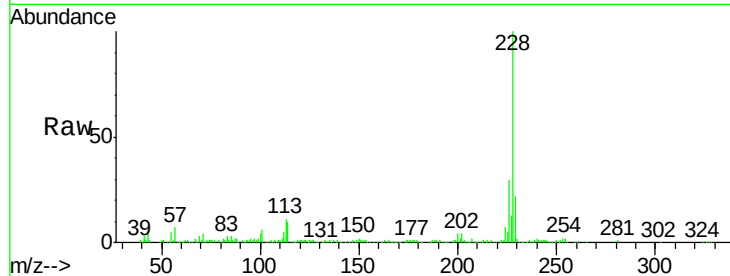
#83
Chrysene
Concen: 5.825 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

Instrument :
BNA_F
ClientSampled :
SB-04-0-1

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	194888		
226	30.0		25.0	37.6
229	22.0		17.0	25.6

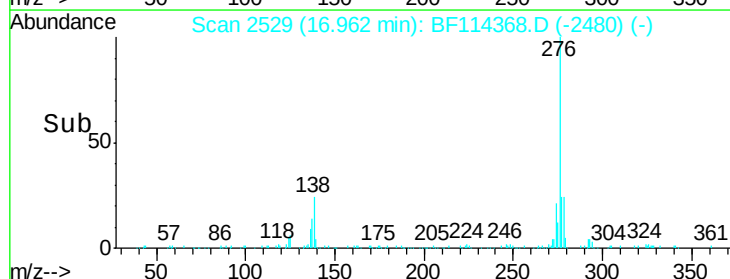
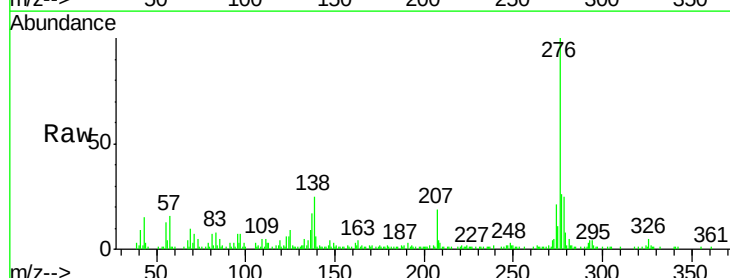
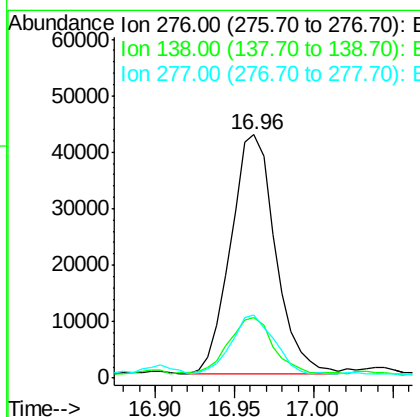
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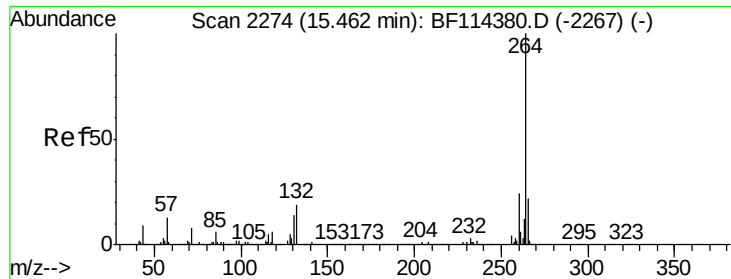
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.808 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	83046		
138	24.8		20.2	30.2
277	24.1		20.0	30.0





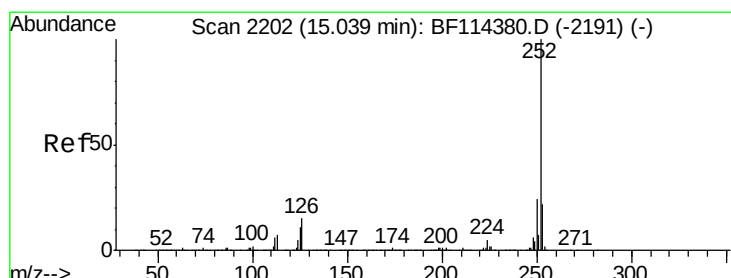
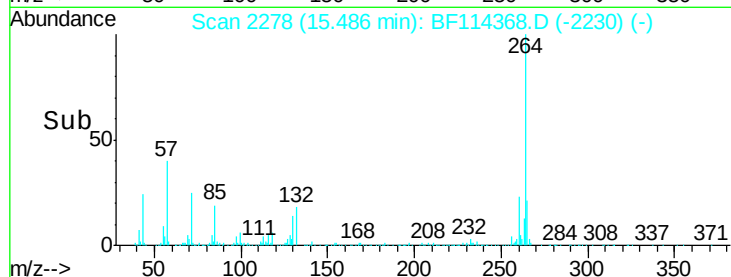
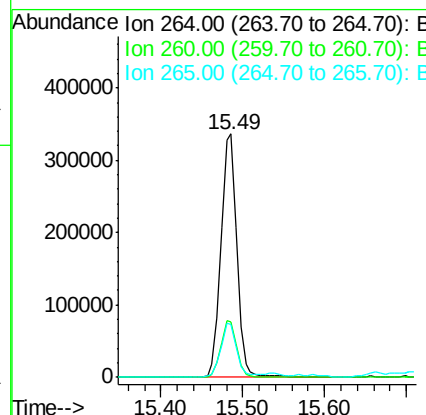
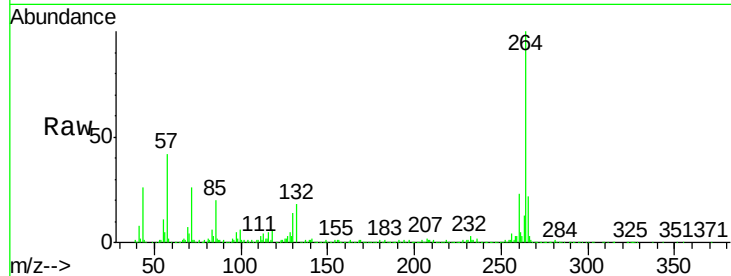
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

Instrument :
BNA_F
ClientSampleId :
SB-04-0-1

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	456529		
260	22.9	19.4	29.0	
265	21.6	16.9	25.3	

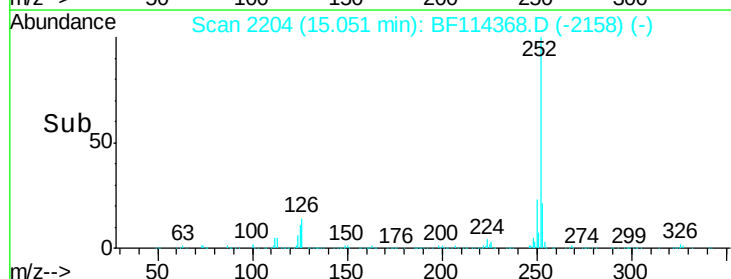
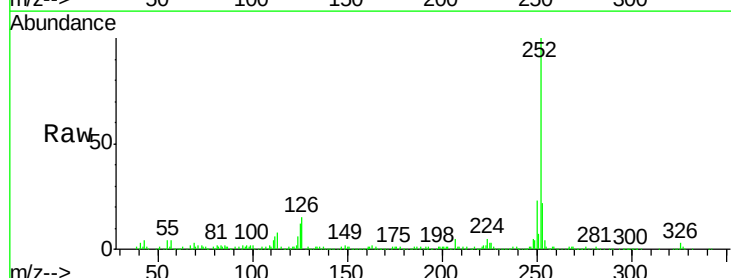
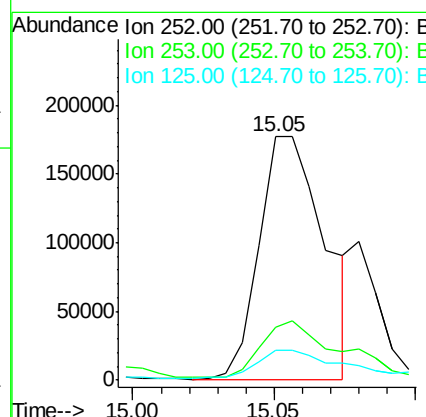
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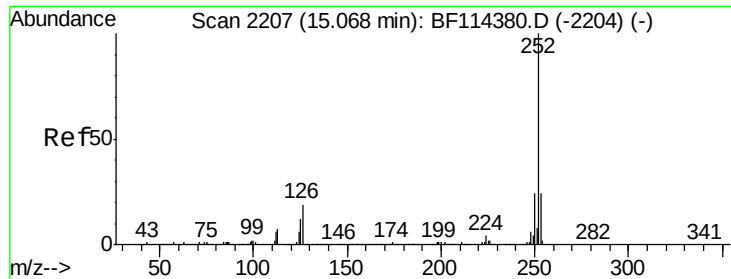
mohammad
5/21/2019 2:16:28 PM



#88
Benzo(b)fluoranthene
Concen: 9.705 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.03 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	283840		
253	21.6	17.8	26.8	
125	12.3	8.3	12.5	





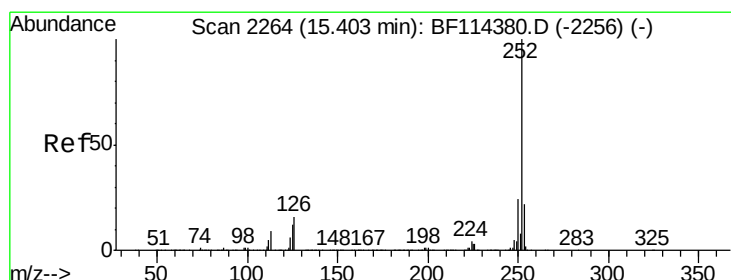
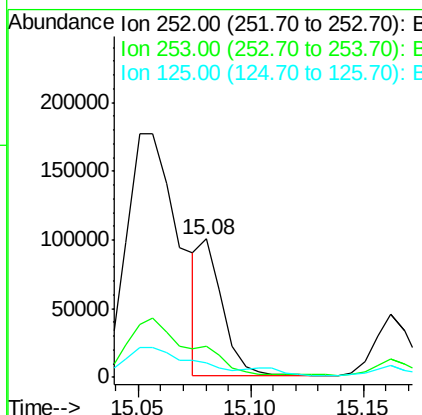
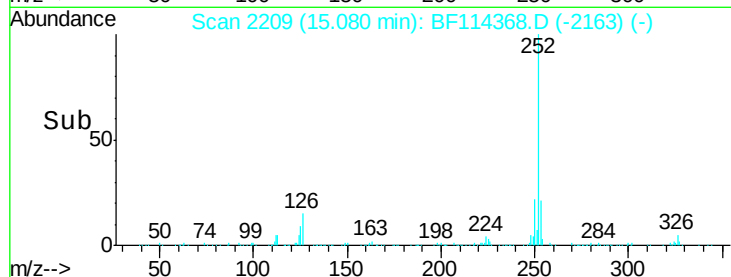
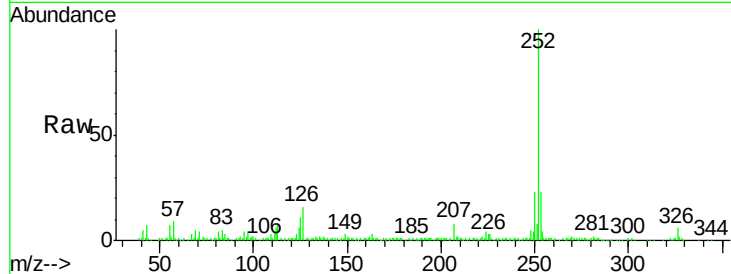
#89
Benzo(k)fluoranthene
Concen: 2.574 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.03 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

Instrument :
BNA_F
ClientSampled :
SB-04-0-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	10.8	8.6	13.0

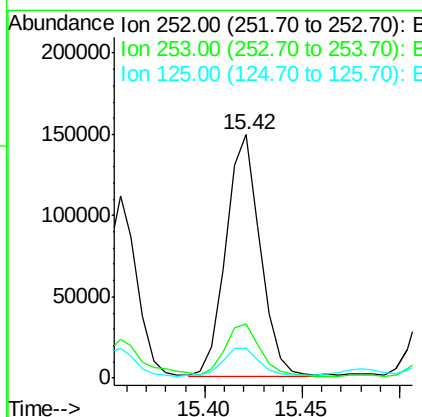
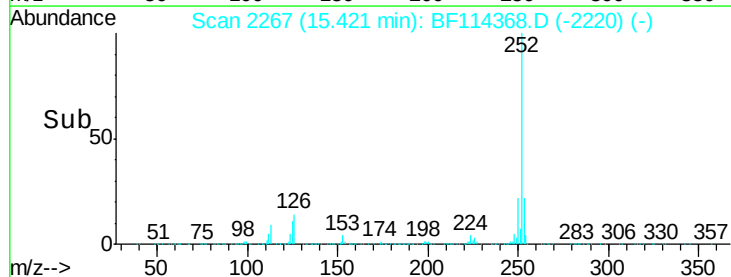
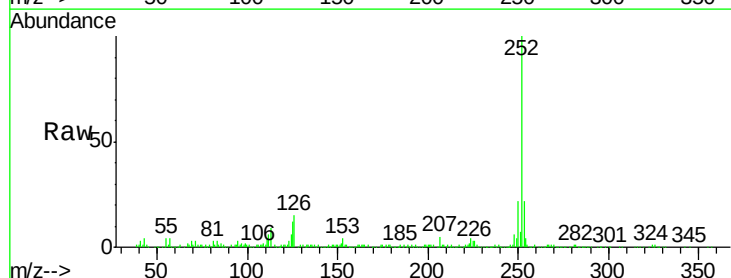
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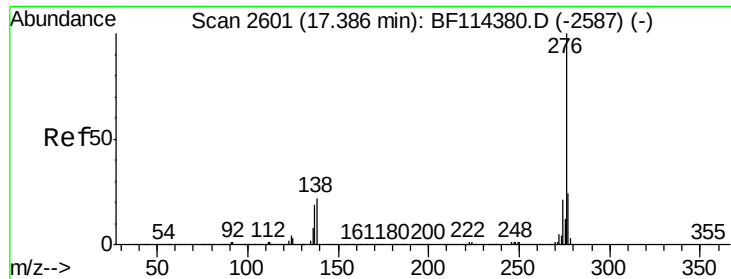
mohammad
5/21/2019 2:16:28 PM



#90
Benzo(a)pyrene
Concen: 7.110 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	12.2	9.5	14.3





#92
 Benzo(g,h,i)perylene
 Concen: 3.575 ng
 RT: 17.41 min Scan# 2605
 Delta R.T. -0.01 min
 Lab File: BF114368.D
 Acq: 18 May 2019 00:16

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-0-1

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	24.2	17.8	26.6

Manual Integrations
 APPROVED

mohammad
 5/21/2019 2:16:28 PM

