

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
 Data File : BF116218.D
 Acq On : 13 Aug 2019 4:38
 Operator : HP/JU
 Sample : K4095-05 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-080919-A

Manual Integrations
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mohammad
 8/14/2019 2:54:08 AM

Quant Time: Aug 13 07:37:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	140773	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	563687	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	274783	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	400735	20.00	ng	0.00
76) Chrysene-d12	14.00	240	330990	20.00	ng	0.00
87) Perylene-d12	15.47	264	282090	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	113187	13.46	ng	0.00
7) Phenol-d6	6.47	99	171411	16.16	ng	-0.01
23) Nitrobenzene-d5	7.40	82	95902	9.82	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	29048	10.90	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	204700	13.95	ng	-0.02
79) Terphenyl-d14	12.94	244	171623	10.93	ng	-0.01
Target Compounds						
71) Phenanthrene	11.39	178	192702	9.406	ng	98
72) Anthracene	11.44	178	74357	3.586	ng	99
75) Fluoranthene	12.57	202	271395	12.654	ng	99
78) Pyrene	12.80	202	242939	9.737	ng	98
81) Benzo(a)anthracene	13.99	228	140933	6.662	ng	99
83) Chrysene	14.03	228	121392	5.910	ng	99
86) Indeno(1,2,3-cd)pyrene	16.96	276	73116	4.238	ng	92
88) Benzo(b)fluoranthene	15.05	252	167455m	10.267	ng	
89) Benzo(k)fluoranthene	15.07	252	43943m	2.766	ng	
90) Benzo(a)pyrene	15.42	252	109728	7.526	ng	# 96
92) Benzo(g,h,i)perylene	17.41	276	70614	5.697	ng	93

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

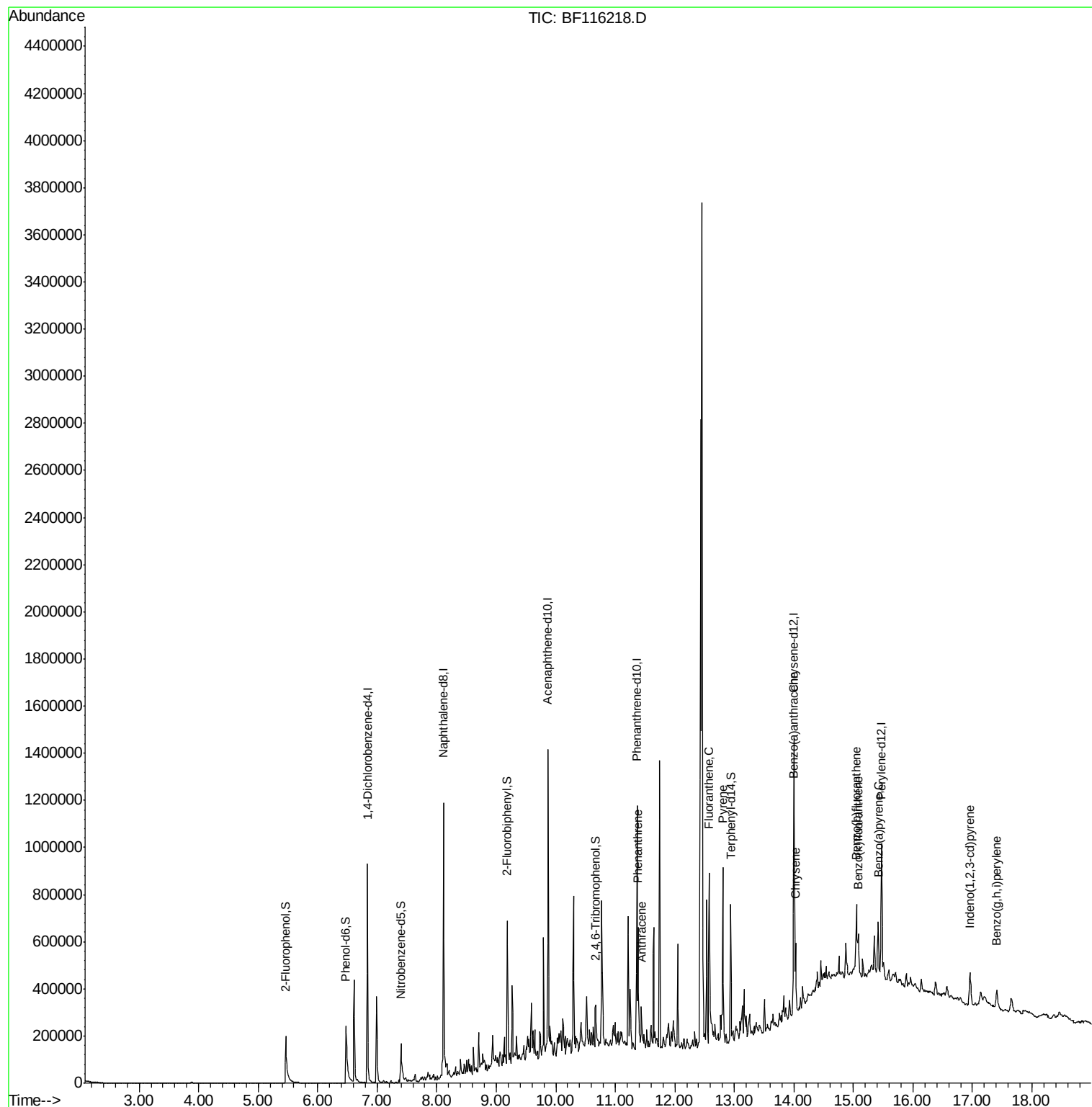
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
Data File : BF116218.D
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Operator : HP/JU
Sample : K4095-05 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

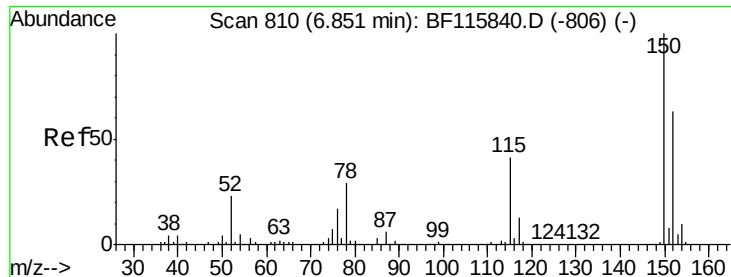
Instrument :
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SU-04-080919-A

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

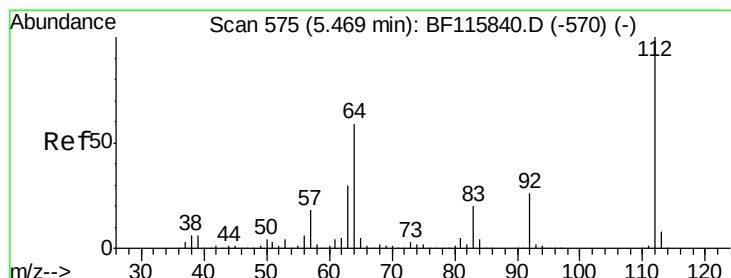
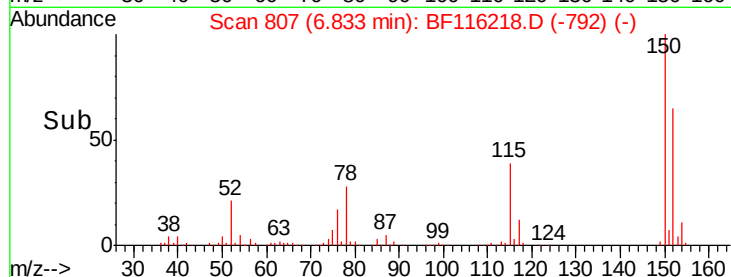
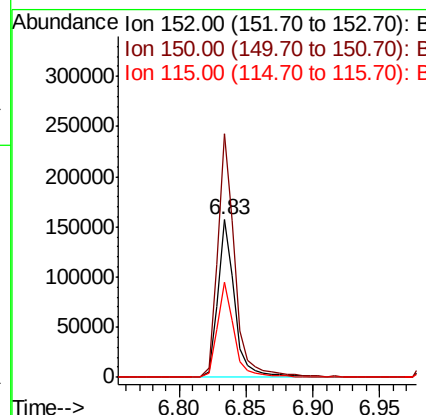
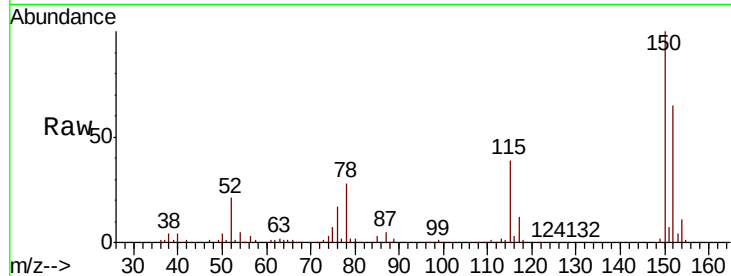
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF116218.D
Acq: 13 Aug 2019 4:38

Instrument :
BNA_F
ClientSampleId :
SU-04-080919-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.2	189.2
115	60.9	49.9	74.9

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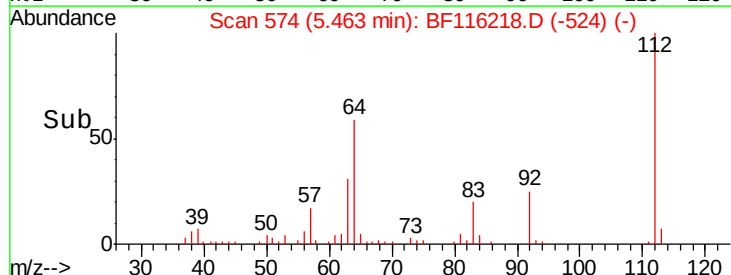
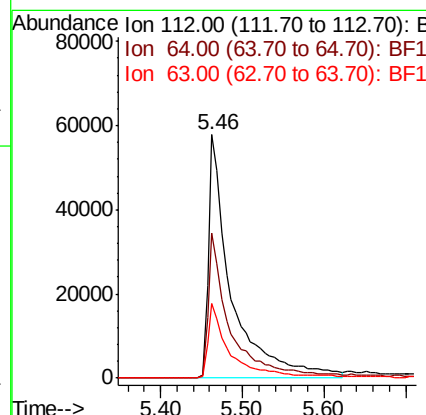
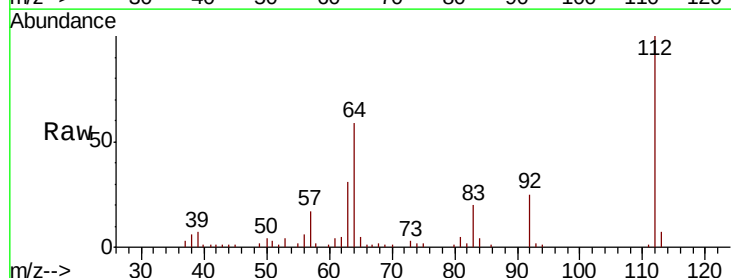
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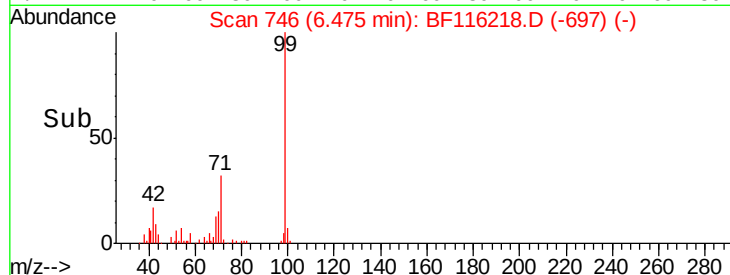
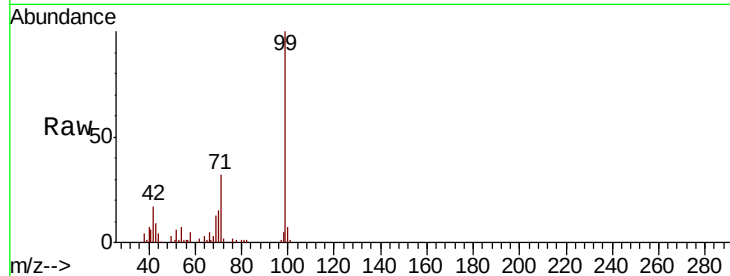
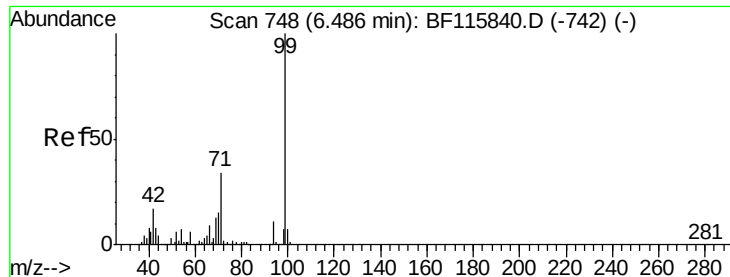


#5

2-Fluorophenol
Concen: 13.460 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116218.D
Acq: 13 Aug 2019 4:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	45.4	68.2
63	30.7	23.7	35.5





#7

Phenol-d6

Concen: 16.156 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116218.D

Acq: 13 Aug 2019 4:38

Tot Ion:	99	Resp:	171411
Ion Ratio	Lower	Upper	
99	100		
42	17.5	13.8	20.8
71	32.0	27.3	40.9

Instrument :

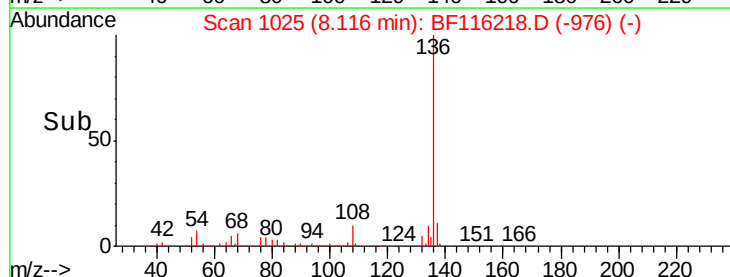
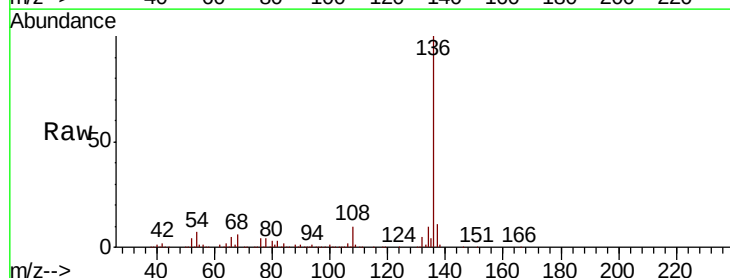
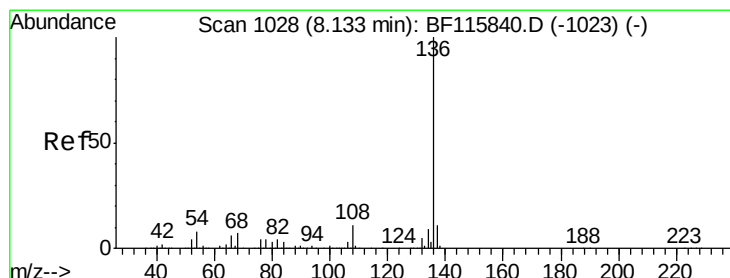
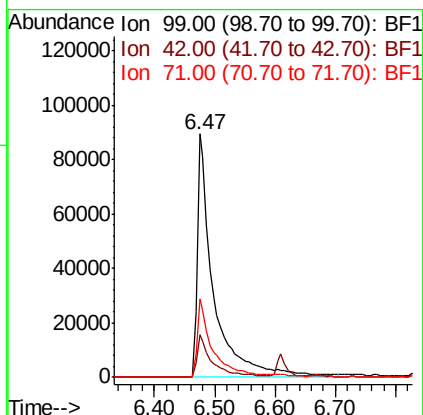
BNA_F

ClientSampleId :

SU-04-080919-A

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#21

Naphthalene-d8

Concen: 20.000 ng

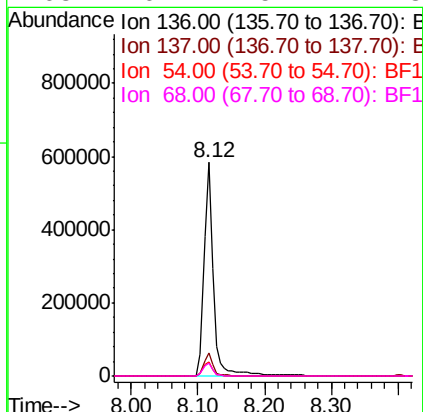
RT: 8.12 min Scan# 1025

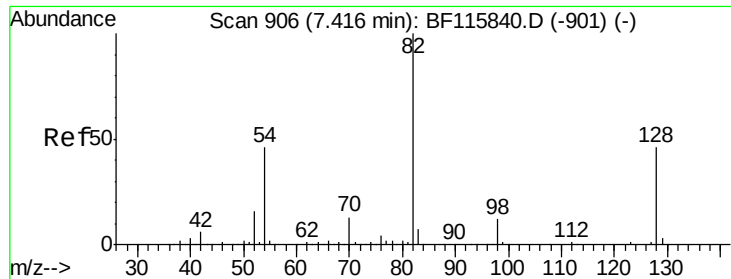
Delta R.T. -0.01 min

Lab File: BF116218.D

Acq: 13 Aug 2019 4:38

Tgt Ion:	136	Resp:	563687
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	6.8	5.8	8.6
68	6.1	5.2	7.8





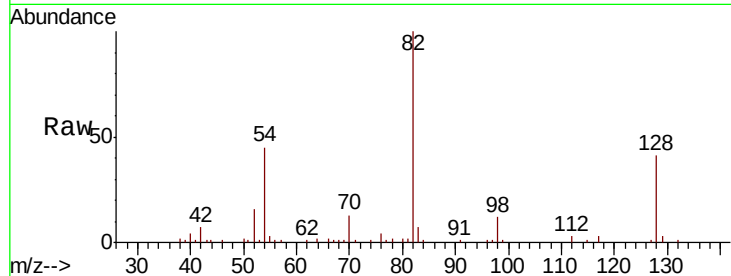
#23
Nitrobenzene-d5
Concen: 9.821 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF116218.D
Acq: 13 Aug 2019 4:38

Instrument :
BNA_F
ClientSampleId :
SU-04-080919-A

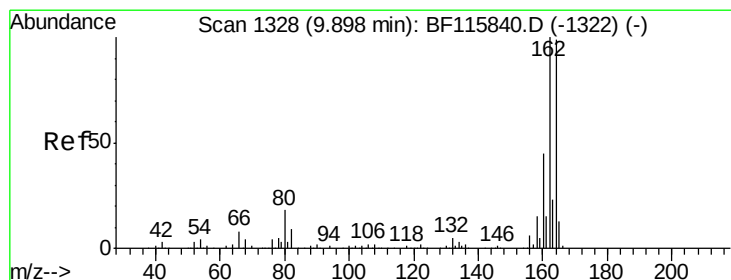
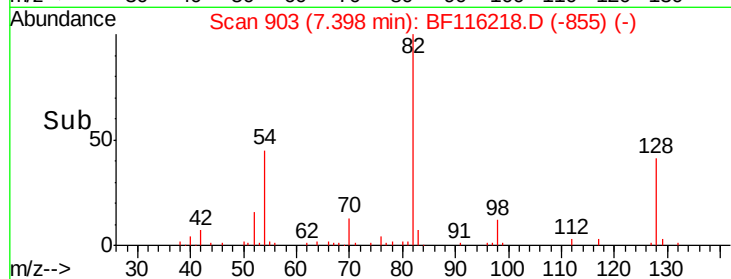
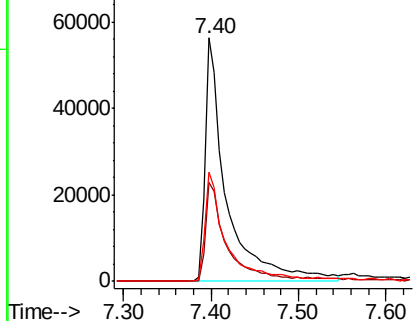
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.6	36.5	54.7
54	45.0	36.0	54.0

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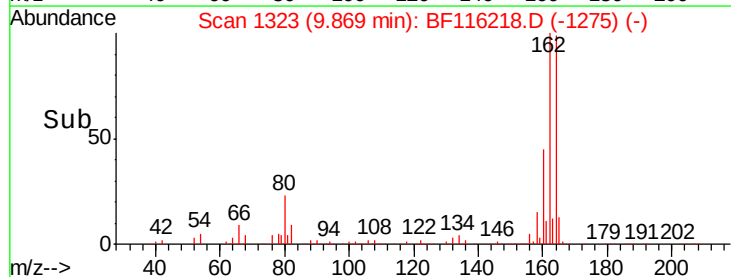
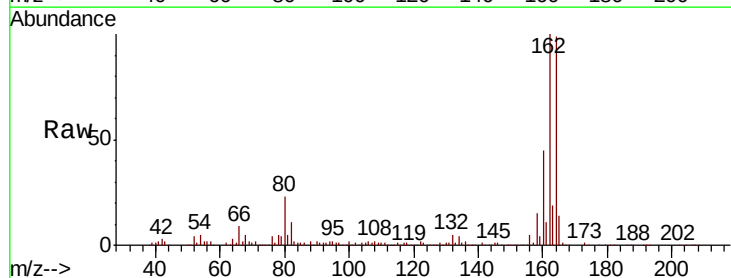
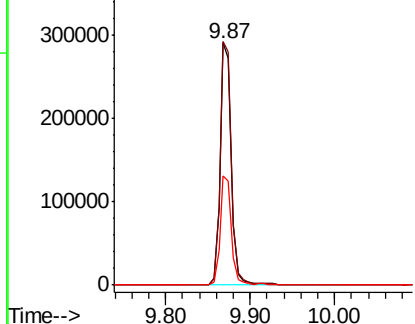
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

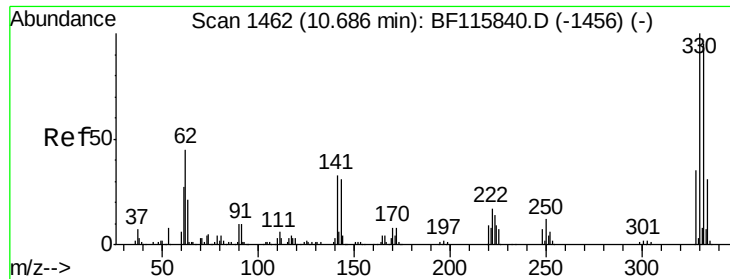


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116218.D
Acq: 13 Aug 2019 4:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	82.6	124.0
160	45.1	37.6	56.4

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





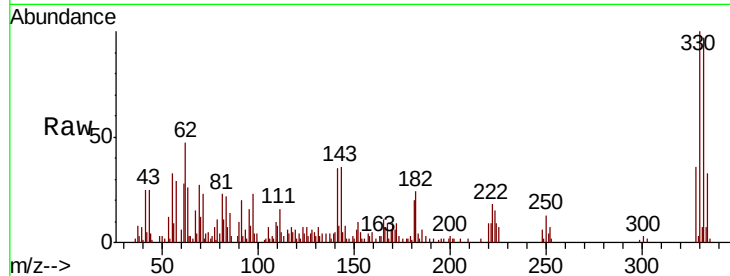
#42
 2,4,6-Tribromophenol
 Concen: 10.904 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116218.D
 Acq: 13 Aug 2019 4:38

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-080919-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	29048		
332	96.8	76.8	115.2	
141	37.3	26.3	39.5	

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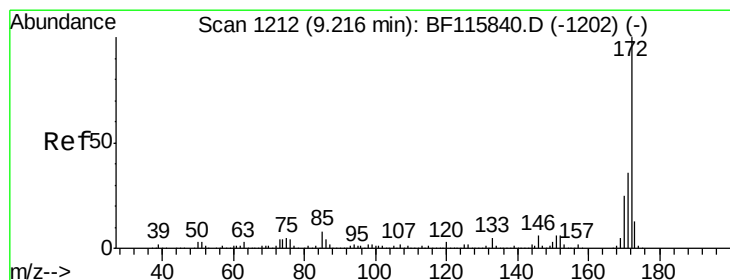
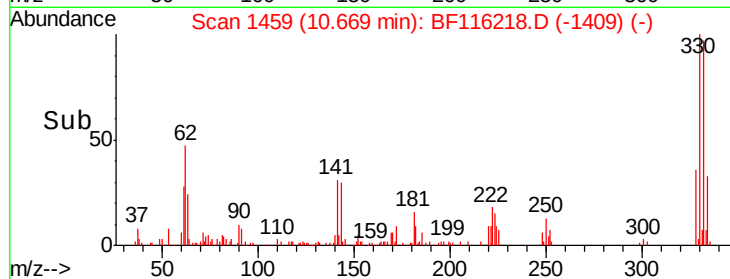
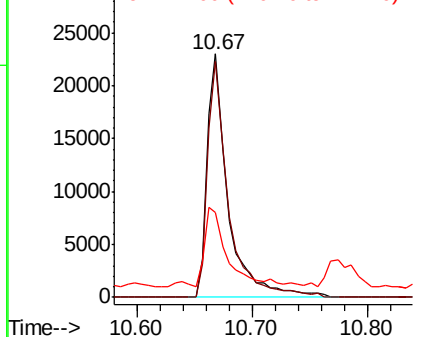


Abundance

Ion 329.80 (329.50 to 330.50): E

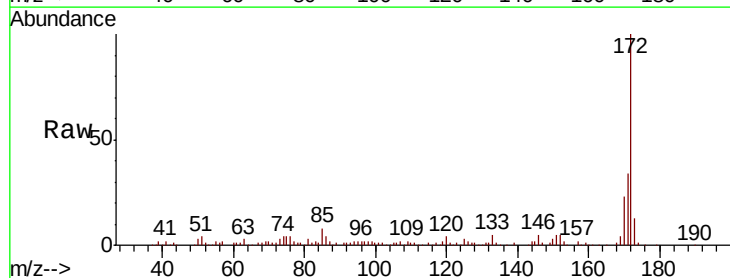
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 13.953 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF116218.D
 Acq: 13 Aug 2019 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	204700		
171	34.1	29.6	44.4	
170	23.2	20.1	30.1	

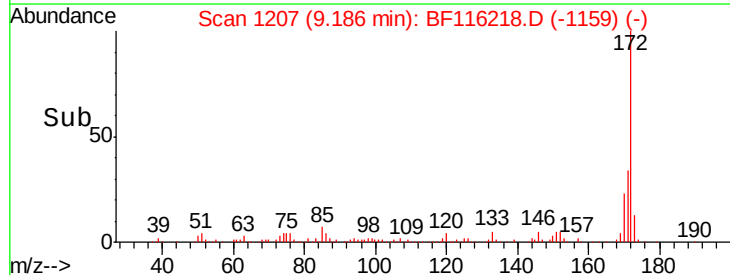
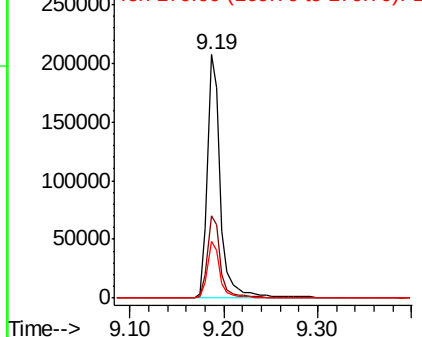


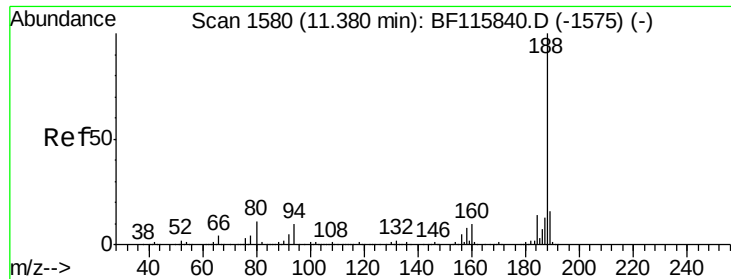
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116218.D

Acq: 13 Aug 2019 4:38

Instrument :

BNA_F

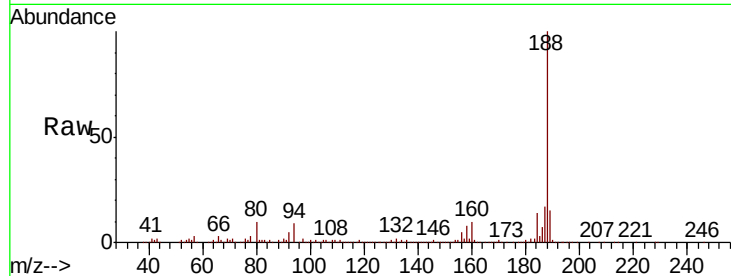
ClientSampleId :

SU-04-080919-A

Tot Ion:	188	Resp:	400735
Ion Ratio	Lower	Upper	
188	100		
94	9.4	8.1	12.1
80	10.0	8.7	13.1

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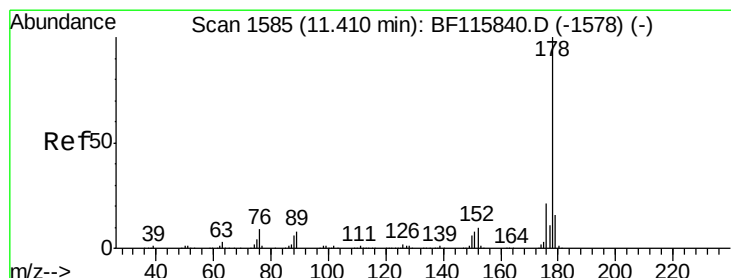
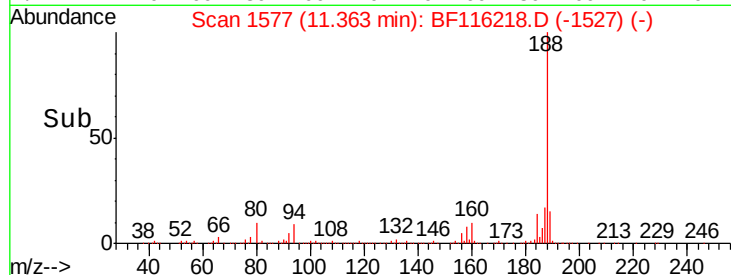
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

11.36

Time-->



#71

Phenanthrene

Concen: 9.406 ng

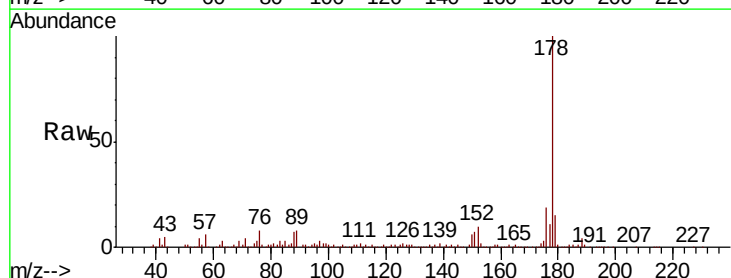
RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116218.D

Acq: 13 Aug 2019 4:38

Tgt Ion:	178	Resp:	192702
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.6	24.8
179	15.1	12.5	18.7



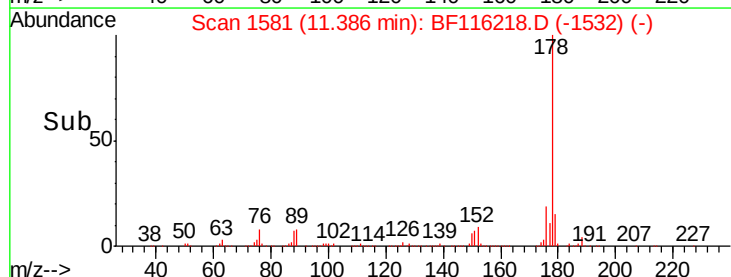
Abundance Ion 178.00 (177.70 to 178.70): E

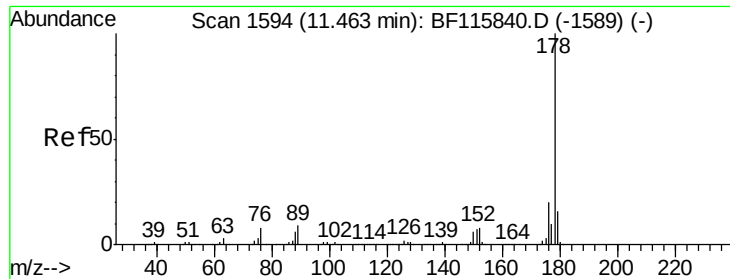
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

11.39

Time-->





#72

Anthracene

Concen: 3.586 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF116218.D

Acq: 13 Aug 2019 4:38

Instrument :

BNA_F

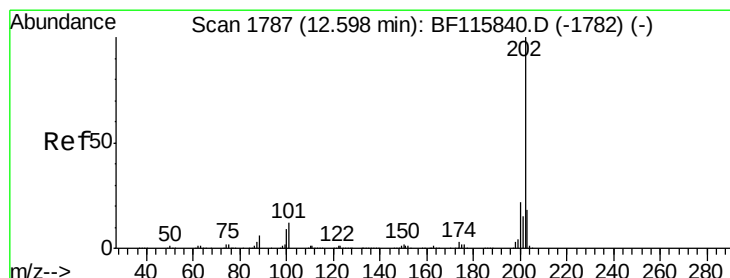
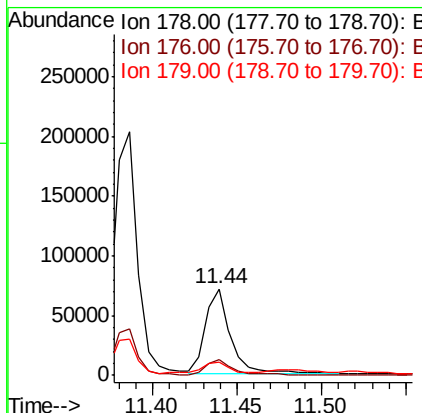
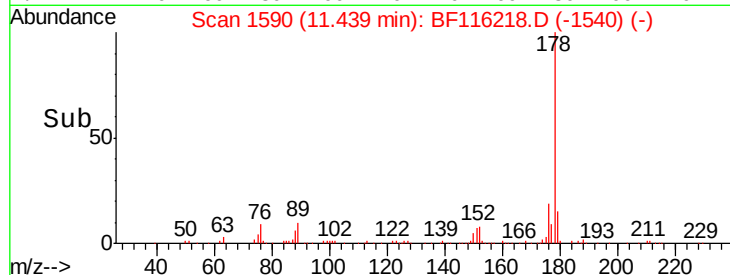
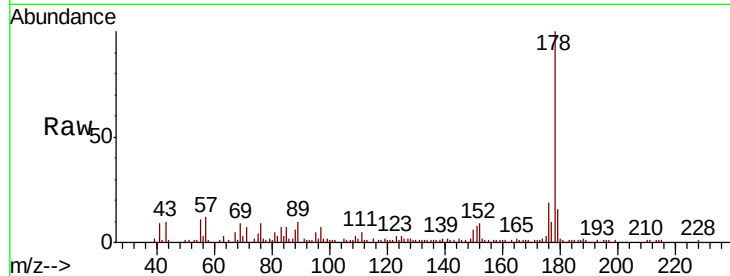
ClientSampled :

SU-04-080919-A

Tot Ion:	178	Resp:	74357
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.7	23.5
179	15.9	13.0	19.6

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#75

Fluoranthene

Concen: 12.654 ng

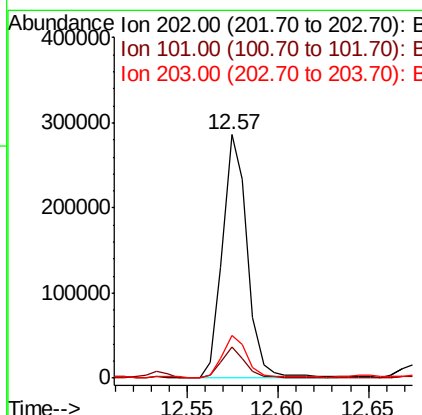
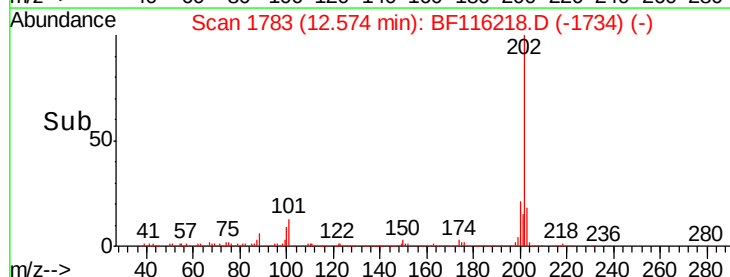
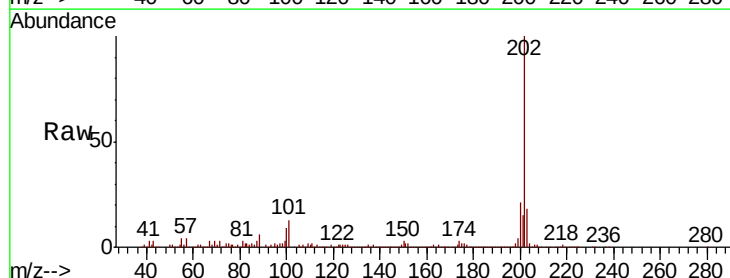
RT: 12.57 min Scan# 1783

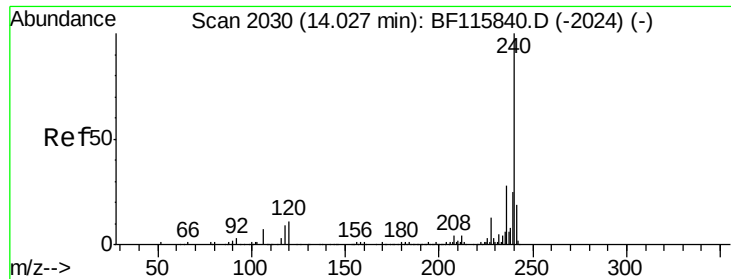
Delta R.T. -0.01 min

Lab File: BF116218.D

Acq: 13 Aug 2019 4:38

Tgt Ion:	202	Resp:	271395
Ion Ratio	Lower	Upper	
202	100		
101	12.6	0.0	31.2
203	17.8	0.0	37.8





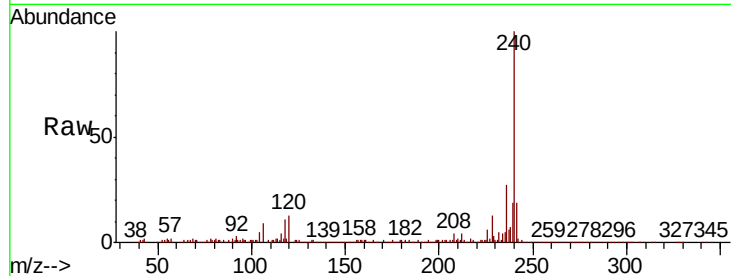
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116218.D
Acq: 13 Aug 2019 4:38

Instrument :
BNA_F
ClientSampleId :
SU-04-080919-A

Tot Ion	Ratio	Resp	Lower	Upper
240	100	330990		
120	12.9	10.7	16.1	
236	26.5	22.2	33.2	

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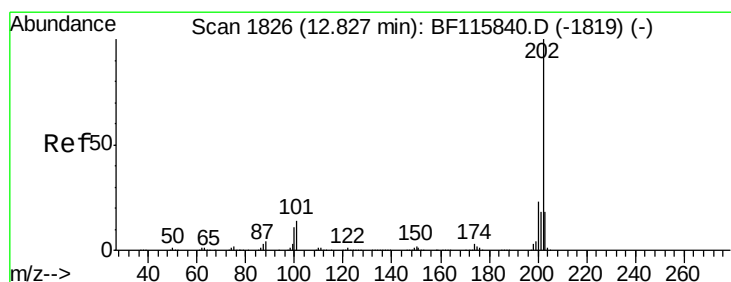
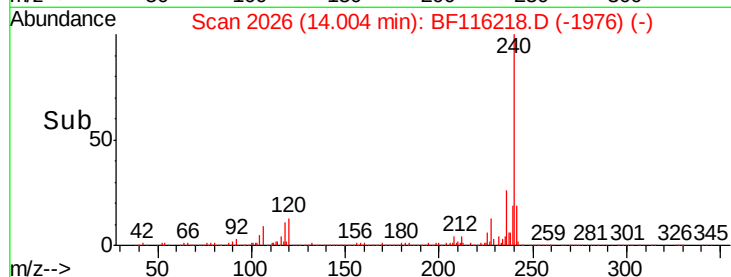
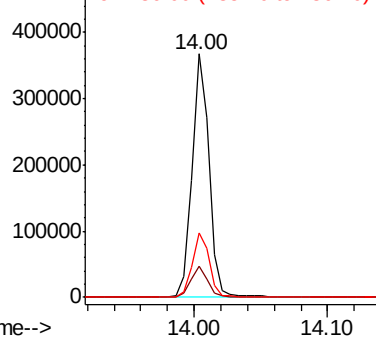


Abundance

Ion 240.00 (239.70 to 240.70): E

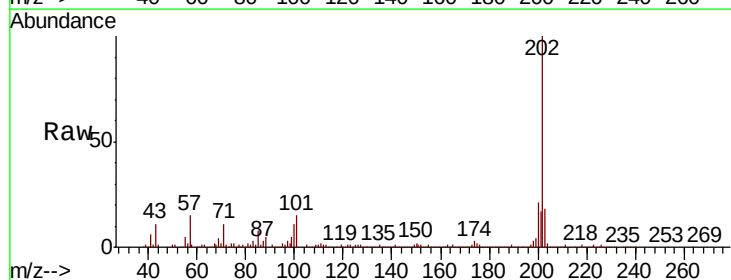
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 9.737 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116218.D
Acq: 13 Aug 2019 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	242939		
200	21.3	18.0	27.0	
203	18.3	14.1	21.1	

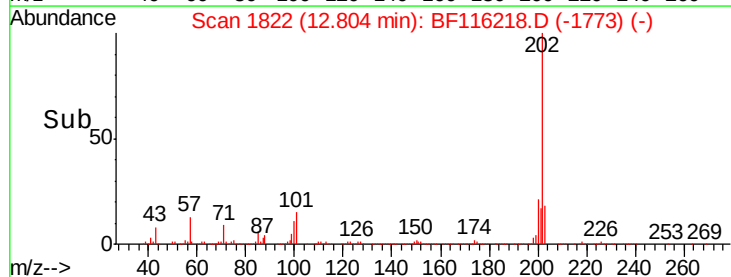
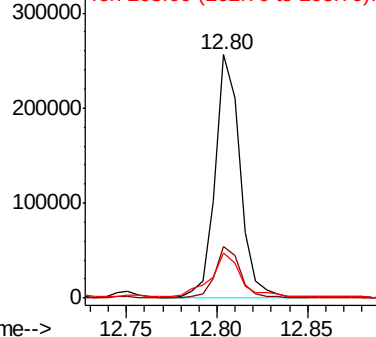


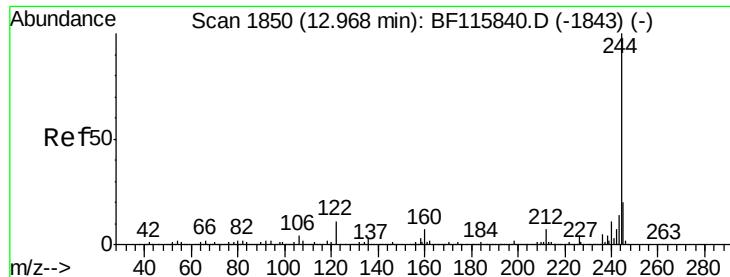
Abundance

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





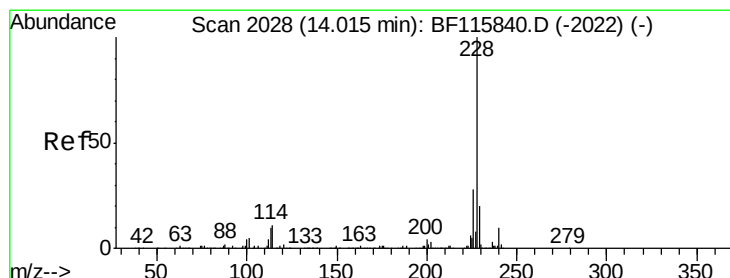
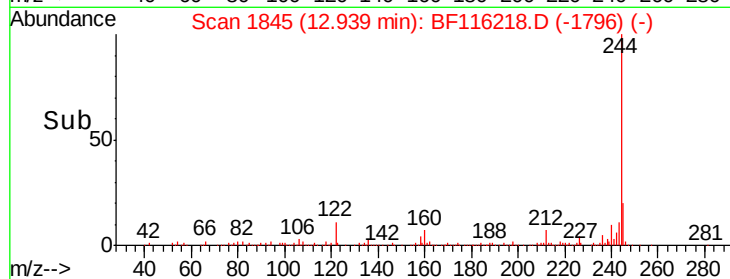
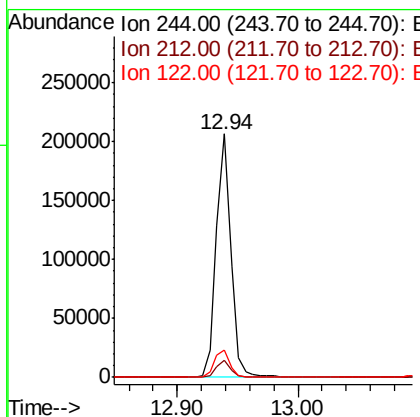
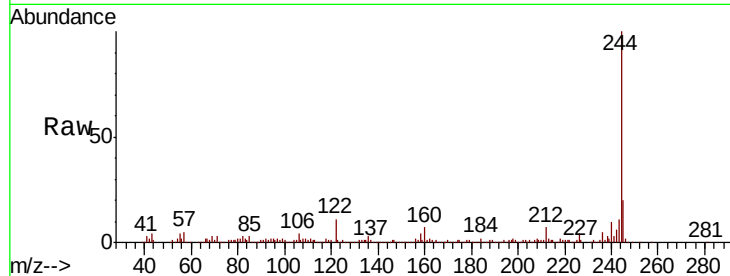
#79
 Terphenyl-d14
 Concen: 10.926 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116218.D
 Acq: 13 Aug 2019 4:38

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-080919-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	11.3	9.0	13.4

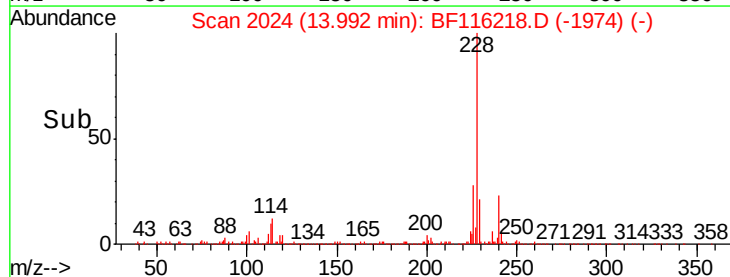
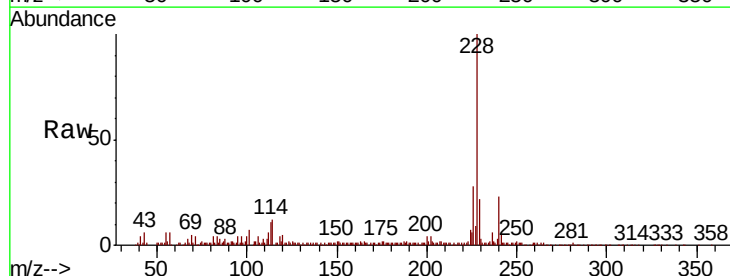
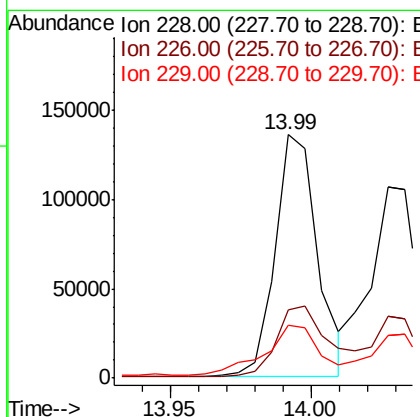
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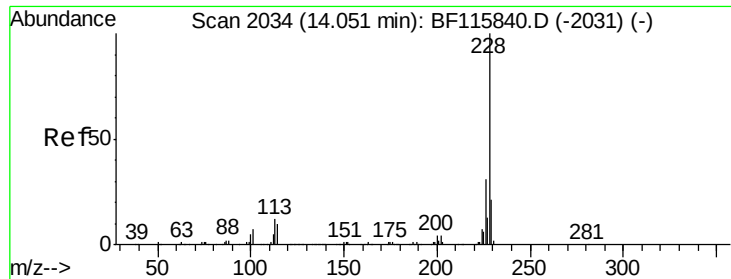
mohammad
 8/14/2019 2:54:08 AM



#81
 Benzo(a)anthracene
 Concen: 6.662 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF116218.D
 Acq: 13 Aug 2019 4:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.7	34.1
229	21.7	16.2	24.4





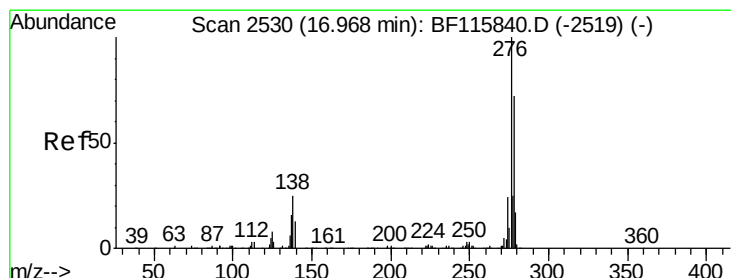
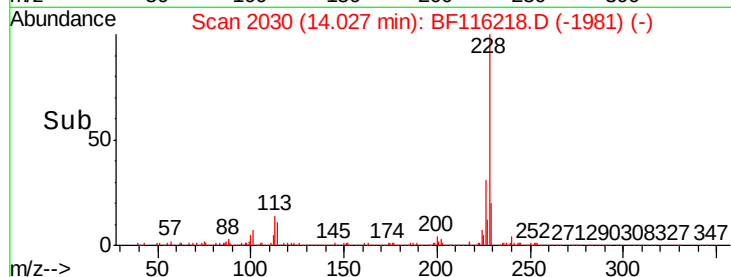
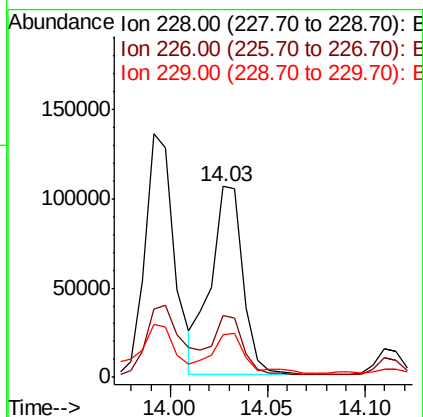
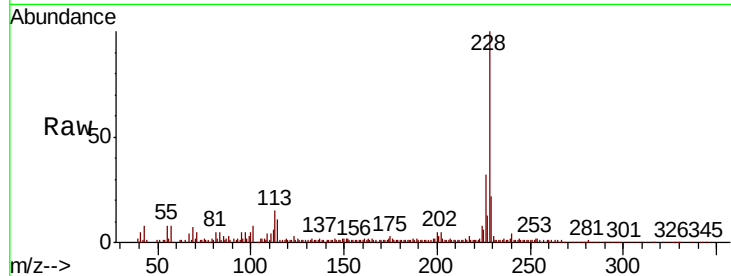
#83
Chrysene
Concen: 5.910 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116218.D
Acq: 13 Aug 2019 4:38

Instrument :
BNA_F
ClientSampleId :
SU-04-080919-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.2	25.5	38.3
229	22.1	16.6	24.8

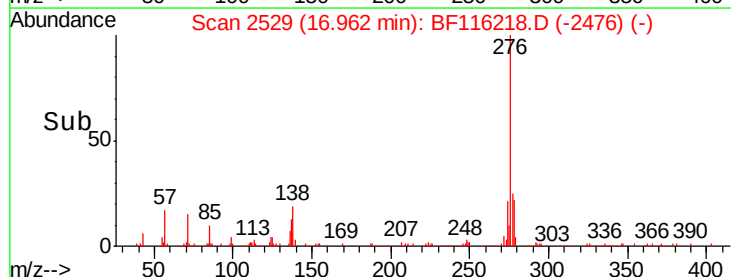
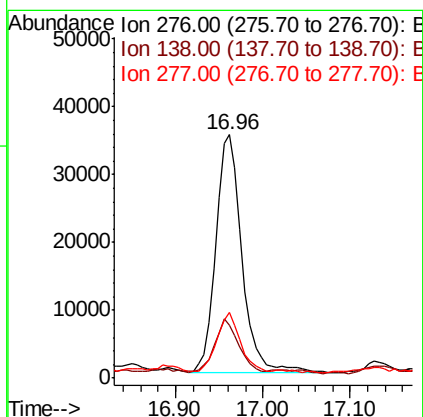
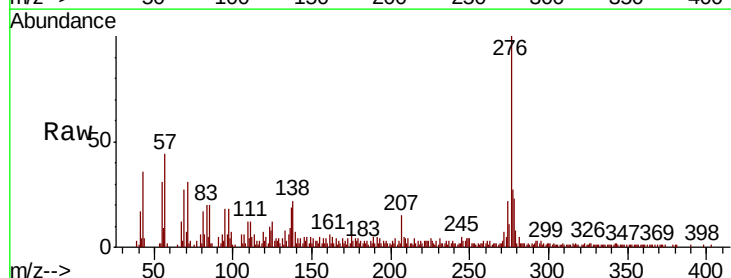
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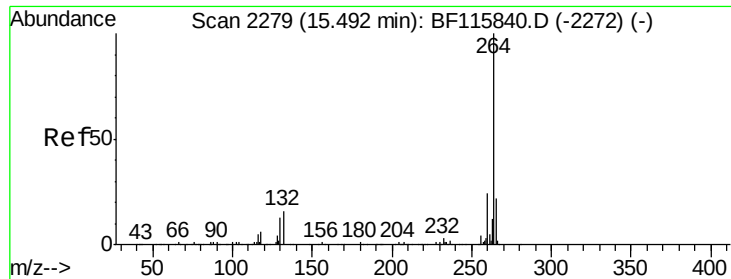
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.238 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.01 min
Lab File: BF116218.D
Acq: 13 Aug 2019 4:38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.1	20.4	30.6
277	21.5	20.0	30.0





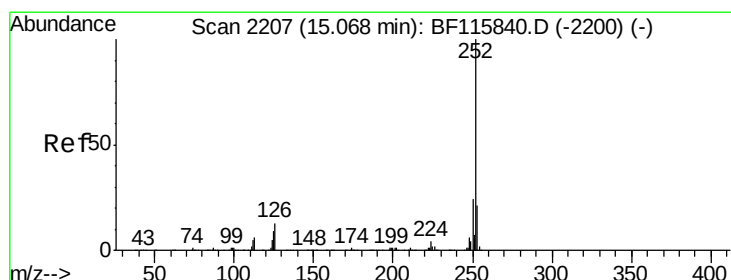
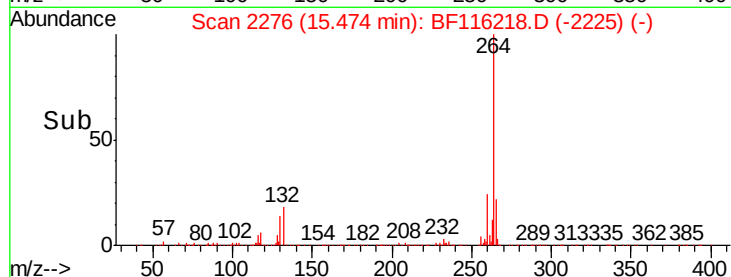
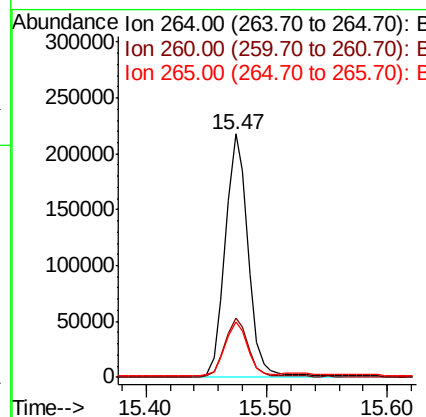
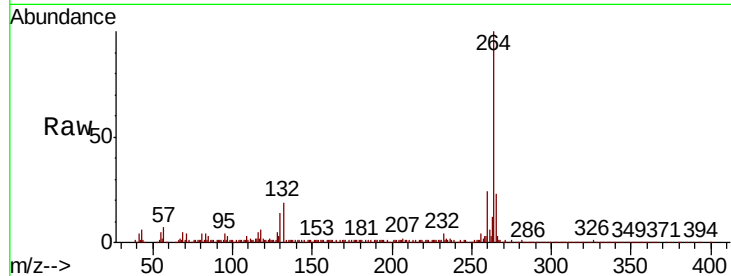
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF116218.D
Acq: 13 Aug 2019 4:38

Instrument :
BNA_F
ClientSampleId :
SU-04-080919-A

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.2	19.7	29.5	
265	22.9	17.4	26.0	

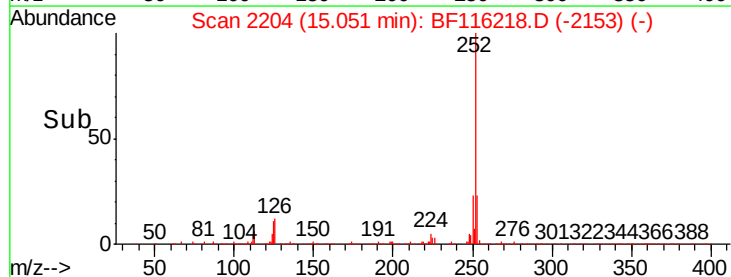
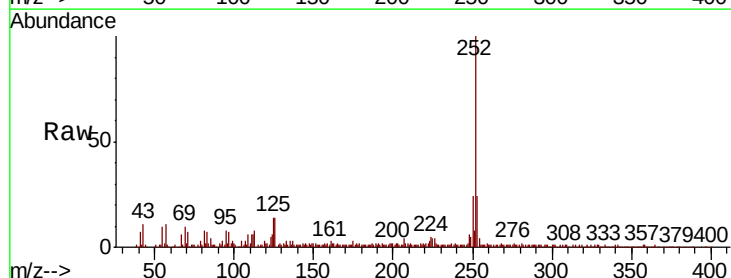
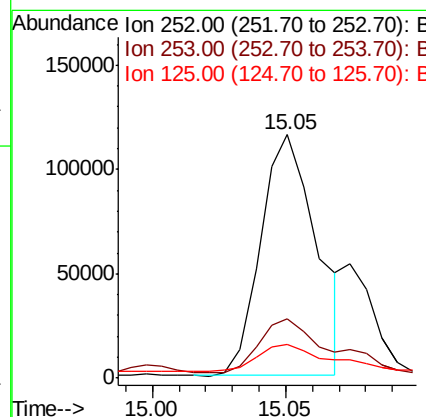
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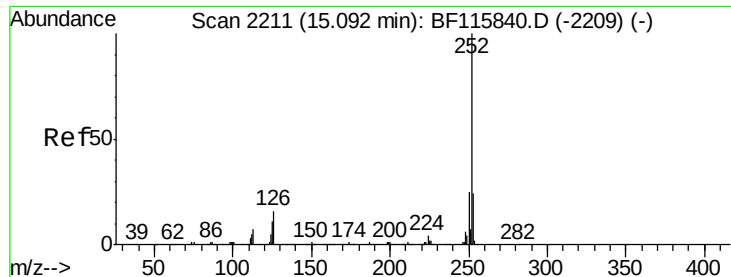
mohammad
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#88
Benzo(b)fluoranthene
Concen: 10.267 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BF116218.D
Acq: 13 Aug 2019 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.4	17.8	26.8	
125	14.1	8.4	12.6	





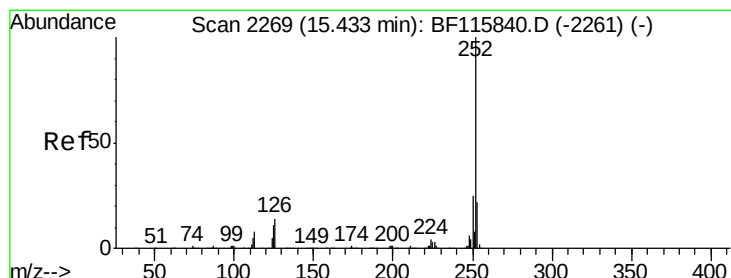
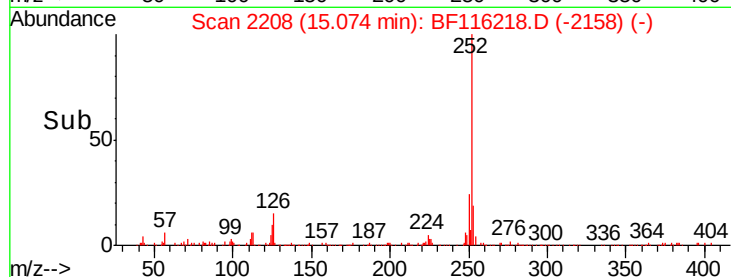
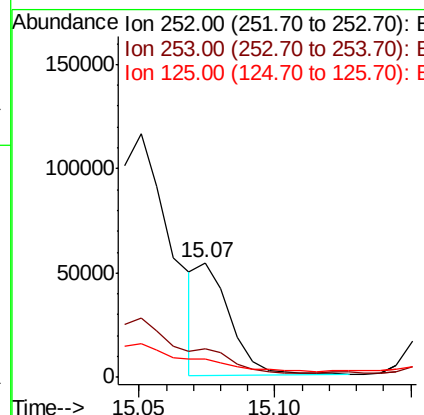
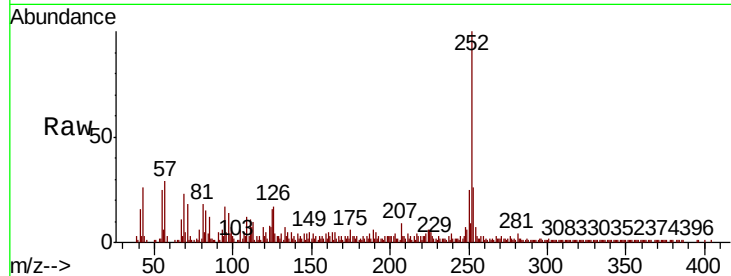
#89
Benzo(k)fluoranthene
Concen: 2.766 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF116218.D
Acq: 13 Aug 2019 4:38

Instrument :
BNA_F
ClientSampleId :
SU-04-080919-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.8	26.8
125	16.0	7.7	11.5

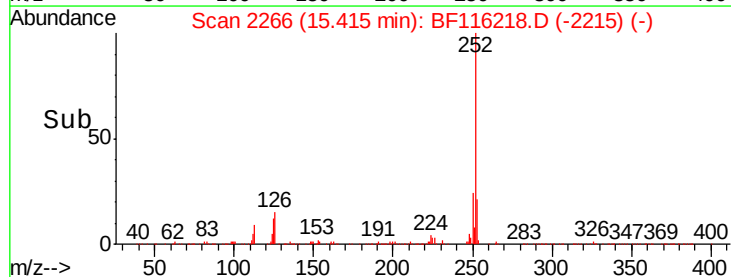
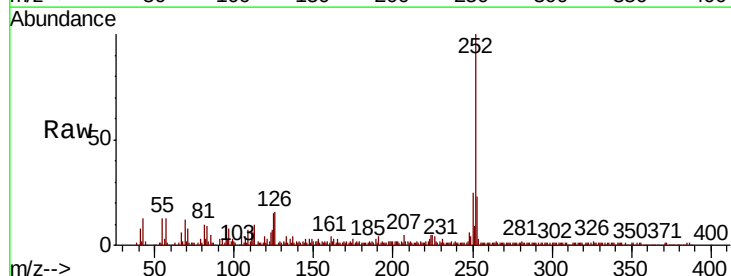
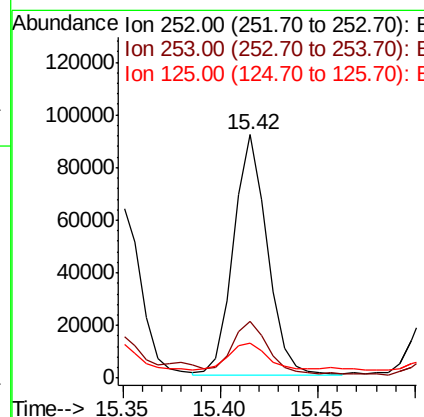
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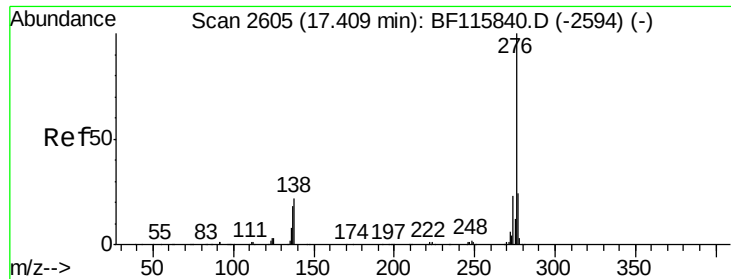
mohammad
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#90
Benzo(a)pyrene
Concen: 7.526 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.00 min
Lab File: BF116218.D
Acq: 13 Aug 2019 4:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	14.6	8.9	13.3





#92
 Benzo(a,h,i)perylene
 Concen: 5.697 ng
 RT: 17.41 min Scan# 2605
 Delta R.T. 0.02 min
 Lab File: BF116218.D
 Acq: 13 Aug 2019 4:38

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-080919-A

Tot Ion:	276	Resp:	70614
Ion Ratio		Lower	Upper
276	100		
277	26.9	18.4	27.6
138	24.1	17.0	25.6

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:54:08 AM

