

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030419\
 Data File : BF112832.D
 Acq On : 4 Mar 2019 18:51
 Operator : JU/SJ
 Sample : K1688-03 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-030119-B

Manual Integrations
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 3/6/2019 9:28:27 AM

Quant Time: Mar 05 01:53:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	153213	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	541686	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	252257	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	478245	20.00	ng	0.01
76) Chrysene-d12	13.89	240	406424	20.00	ng	0.01
87) Perylene-d12	15.30	264	294119	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	235550	23.91	ng	0.00
7) Phenol-d6	6.37	99	315202	25.48	ng	0.00
23) Nitrobenzene-d5	7.30	82	170236	18.81	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	77834	29.06	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	318272	16.20	ng	0.00
79) Terphenyl-d14	12.84	244	336121	16.03	ng	0.01
Target Compounds						
71) Phenanthrene	11.28	178	194165	8.160	ng	98
72) Anthracene	11.33	178	62252	2.499	ng	98
75) Fluoranthene	12.46	202	481590	18.891	ng	98
78) Pyrene	12.69	202	461744	13.477	ng	99
81) Benzo(a)anthracene	13.87	228	255331	9.065	ng	99
83) Chrysene	13.91	228	180136	6.529	ng	96
86) Indeno(1,2,3-cd)pyrene	16.67	276	85436	3.632	ng	# 93
88) Benzo(b)fluoranthene	14.90	252	235407m	12.374	ng	
89) Benzo(k)fluoranthene	14.92	252	66203m	3.842	ng	
90) Benzo(a)pyrene	15.24	252	150438	8.940	ng	98
92) Benzo(g,h,i)perylene	17.08	276	75700	5.250	ng	97

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

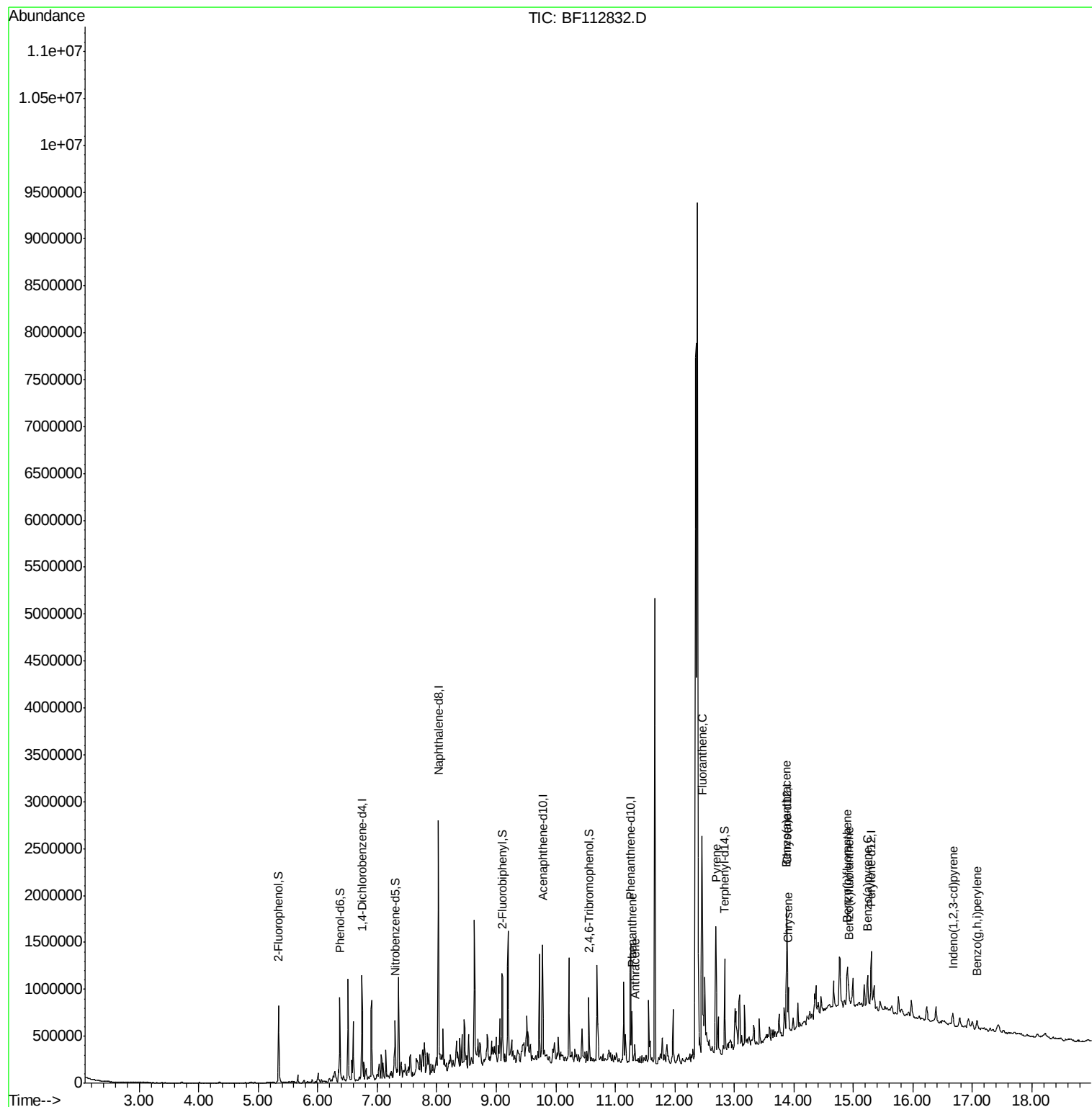
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030419\
Data File : BF112832.D
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Operator : JU/SJ
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Misc :
ALS Vial : 18 Sample Multiplier: 1

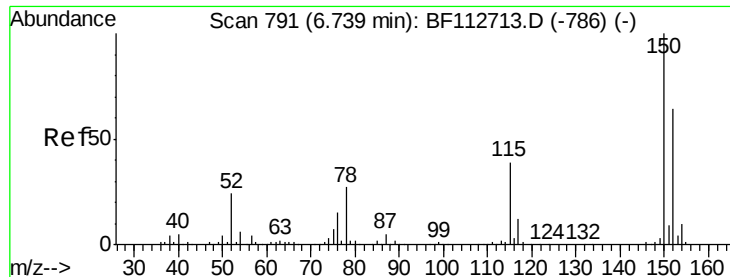
Instrument :
BNA_F
ClientSampleId :
JC-03-030119-B

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Quant Time: Mar 05 01:53:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

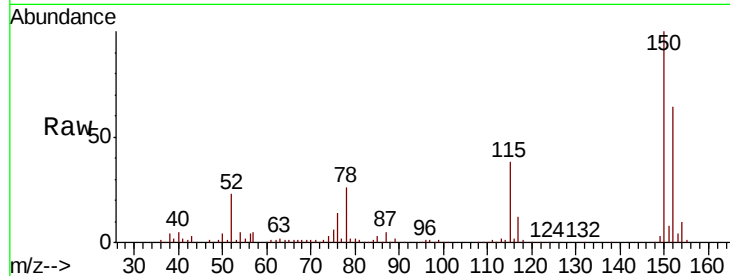
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112832.D
Acq: 4 Mar 2019 18:51

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.2	186.2
115	59.2	48.2	72.4

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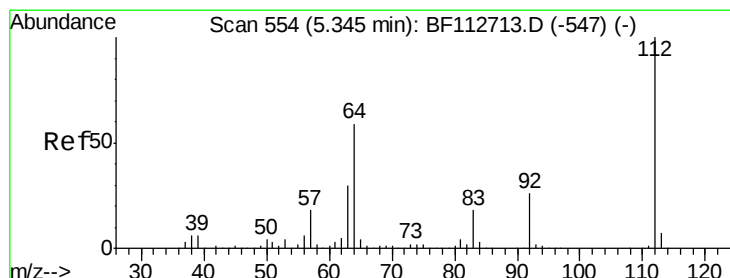
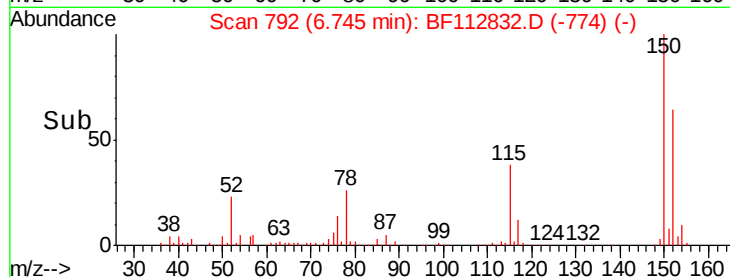
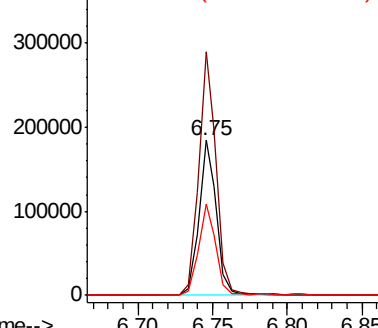


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

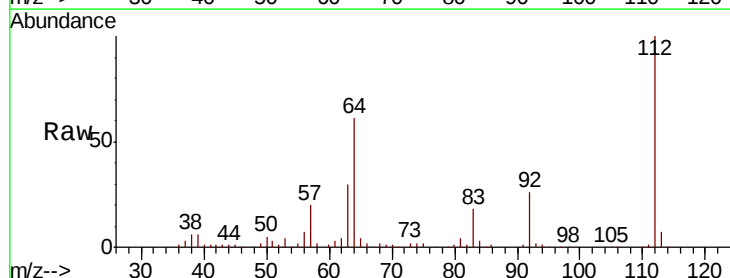
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 23.915 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF112832.D
Acq: 4 Mar 2019 18:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	47.6	71.4
63	30.4	24.4	36.6

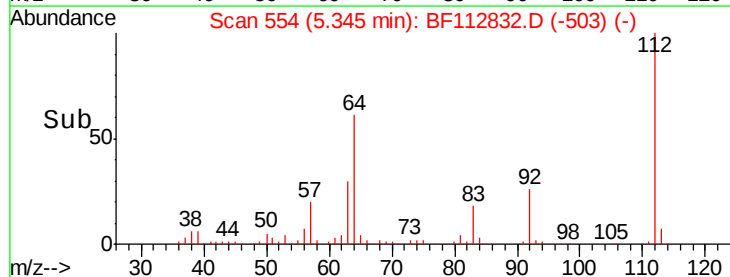
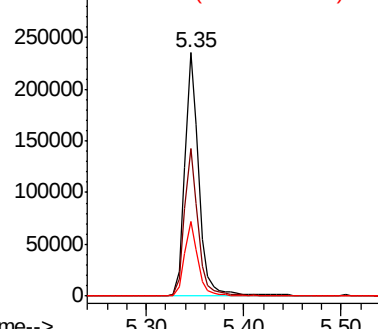


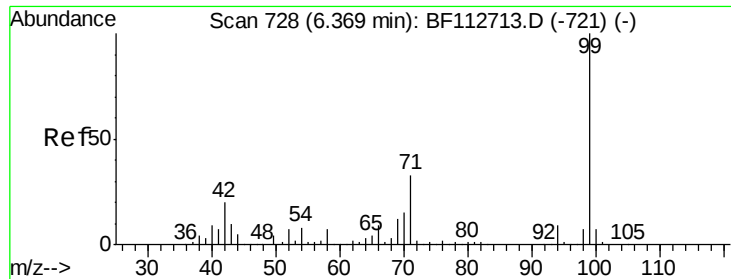
Abundance

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: 25.476 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF112832.D

Acq: 4 Mar 2019 18:51

Instrument :

BNA_F

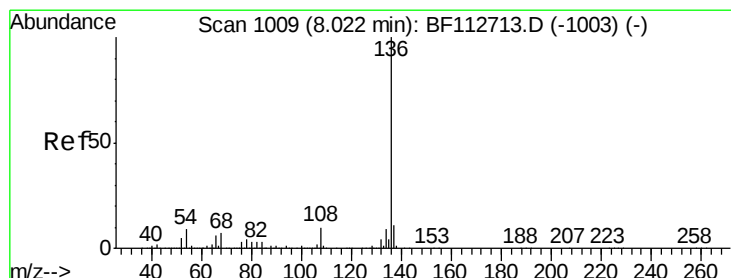
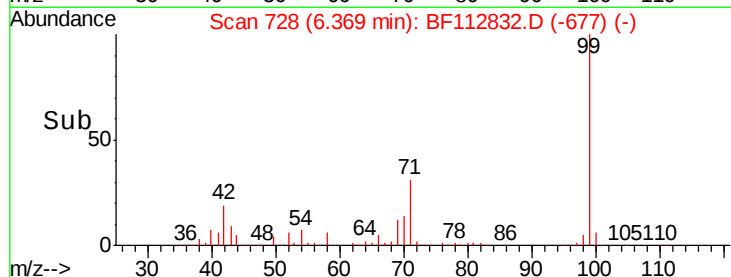
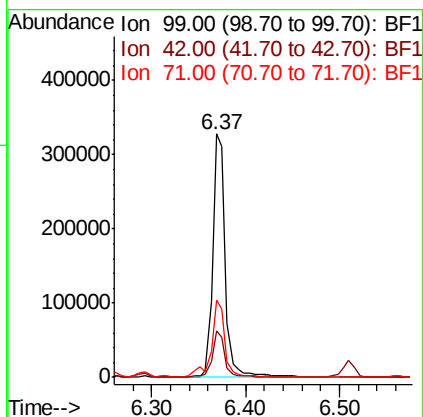
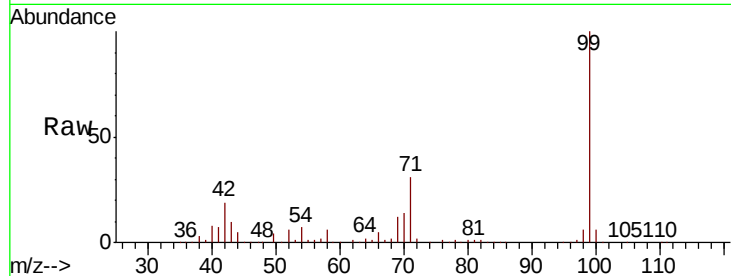
ClientSampleId :

JC-03-030119-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		315202		
42	19.1	16.3	24.5		
71	31.5	26.2	39.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

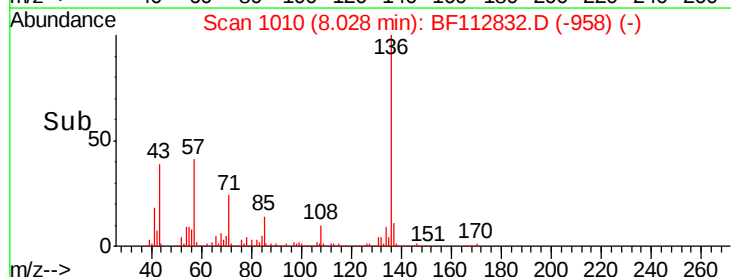
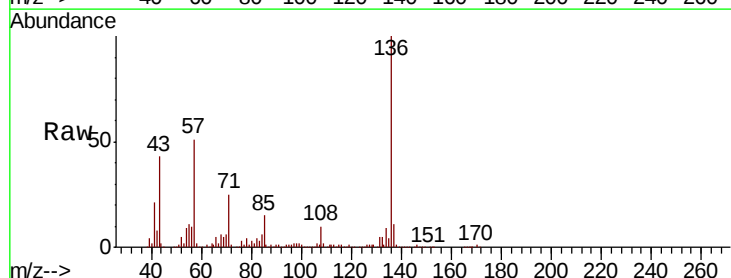
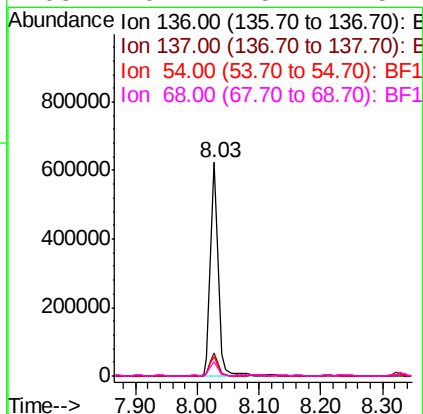
RT: 8.03 min Scan# 1010

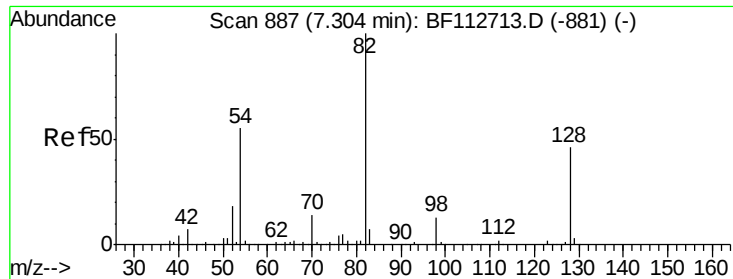
Delta R.T. 0.01 min

Lab File: BF112832.D

Acq: 4 Mar 2019 18:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		541686		
137	10.9	8.9	13.3		
54	8.9	7.3	10.9		
68	6.4	5.4	8.2		





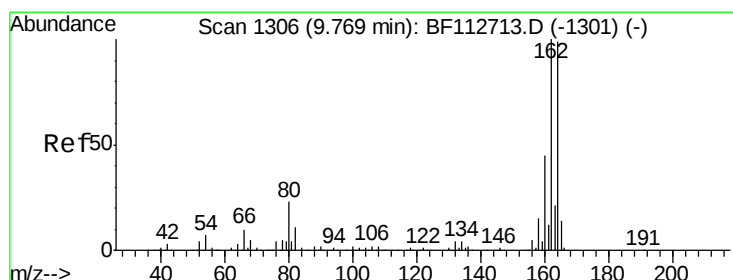
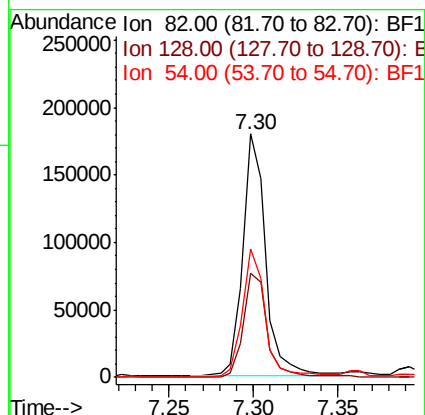
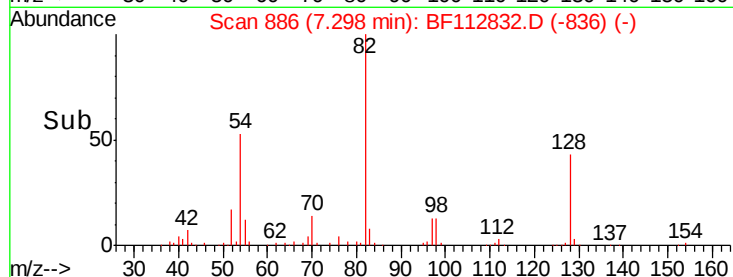
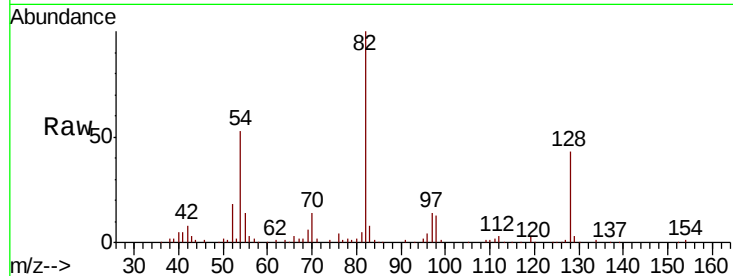
#23
Nitrobenzene-d5
Concen: 18.805 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112832.D
Acq: 4 Mar 2019 18:51

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.9	36.3	54.5
54	52.8	43.7	65.5

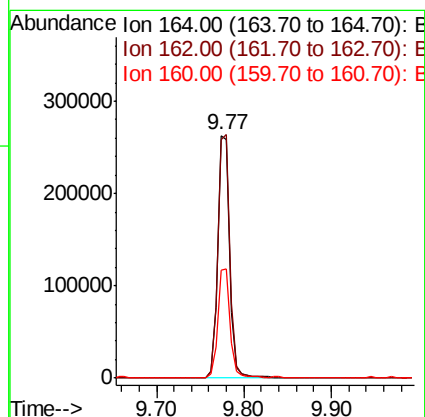
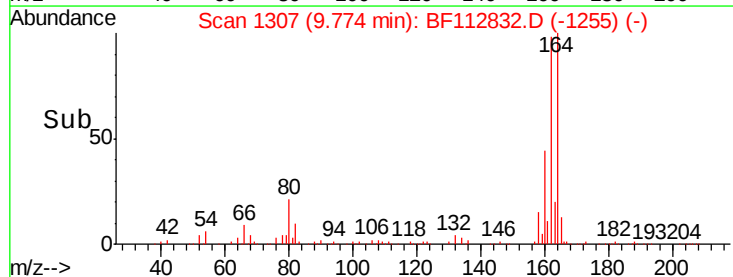
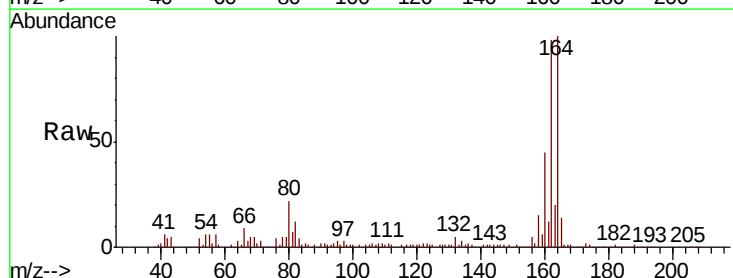
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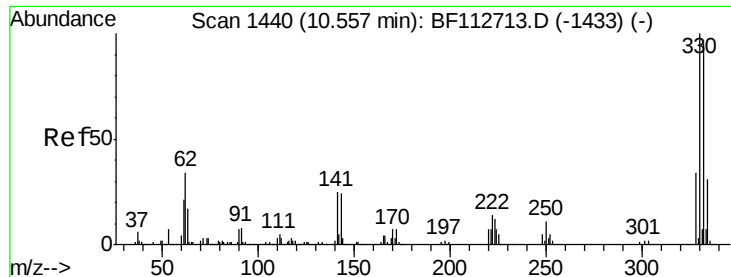
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BF112832.D
Acq: 4 Mar 2019 18:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.3	80.6	120.8
160	44.6	36.0	54.0





#42

2,4,6-Tribromophenol

Concen: 29.064 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.01 min

Lab File: BF112832.D

Acq: 4 Mar 2019 18:51

Instrument :

BNA_F

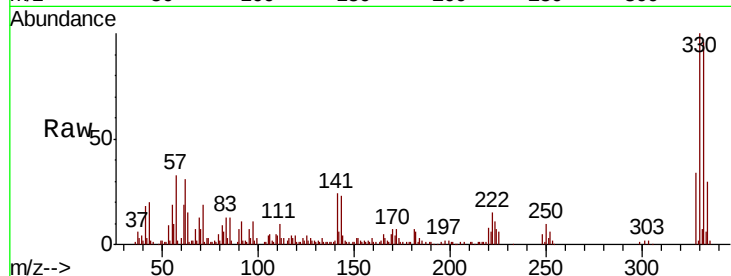
ClientSampleId :

JC-03-030119-B

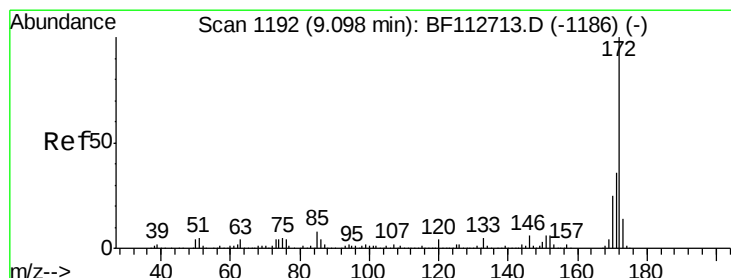
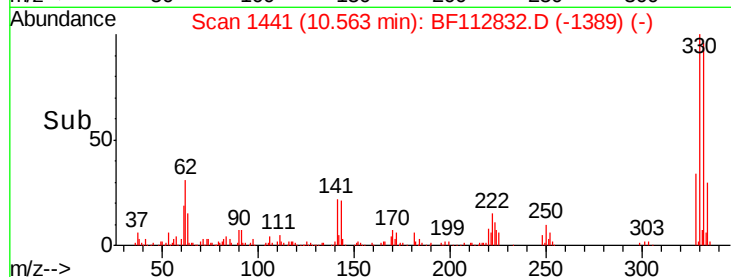
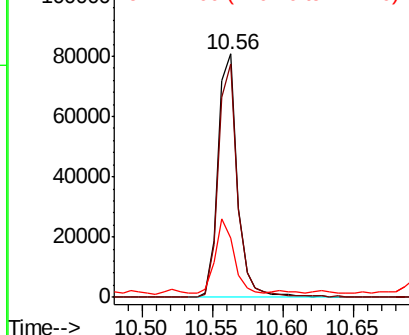
Tot Ion:	330	Resp:	77834
Ion Ratio	Lower	Upper	
330	100		
332	95.4	76.2	114.4
141	28.5	27.0	40.6

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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: 16.200 ng

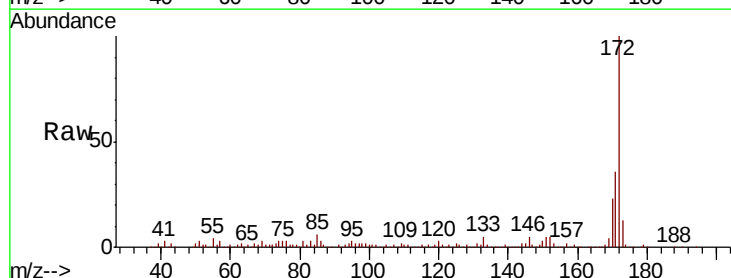
RT: 9.10 min Scan# 1193

Delta R.T. 0.01 min

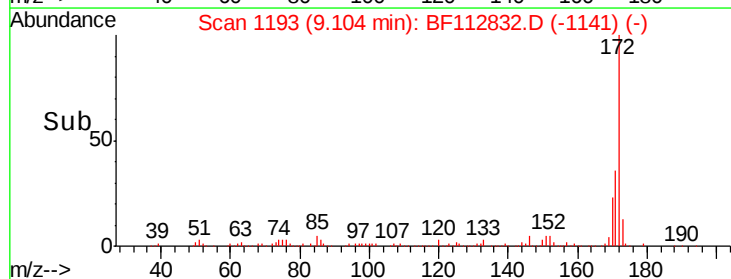
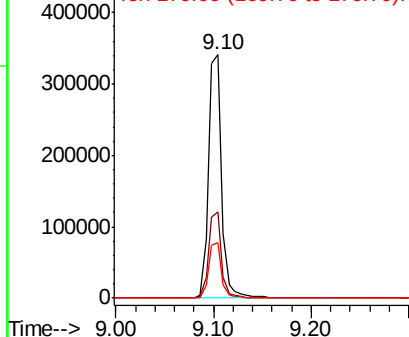
Lab File: BF112832.D

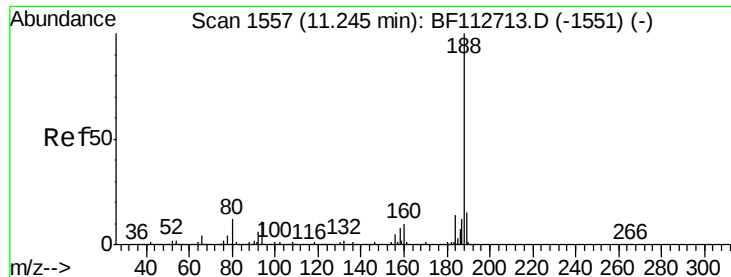
Acq: 4 Mar 2019 18:51

Tgt Ion:	172	Resp:	318272
Ion Ratio	Lower	Upper	
172	100		
171	35.6	29.0	43.4
170	22.9	20.0	30.0



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





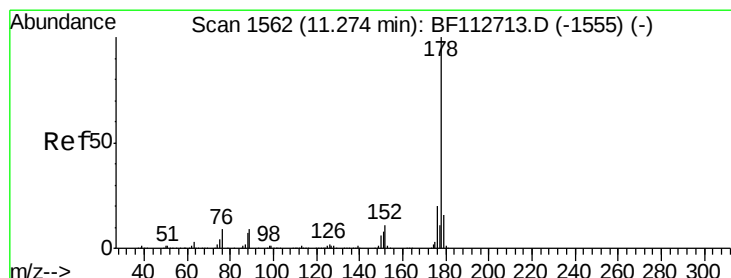
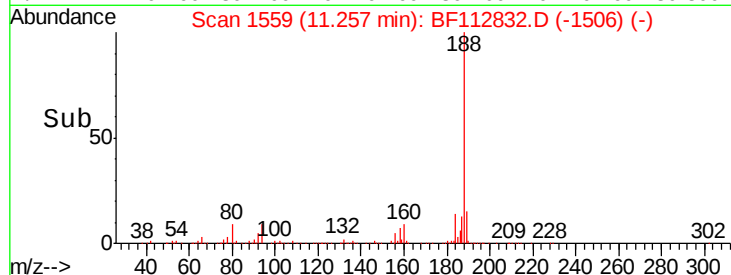
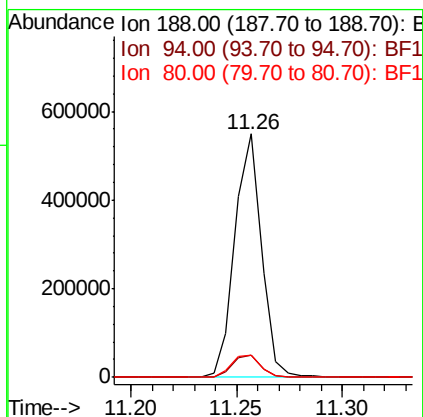
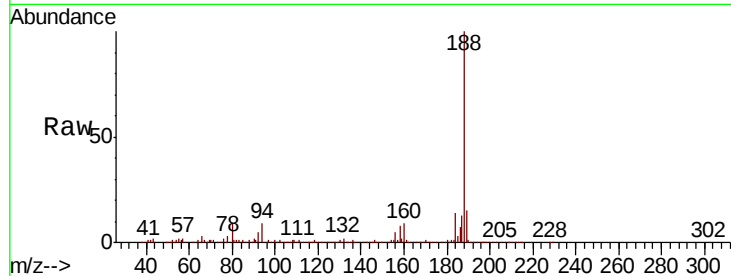
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. 0.01 min
Lab File: BF112832.D
Acq: 4 Mar 2019 18:51

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-B

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.2	9.0	13.4
80	9.3	9.2	13.8

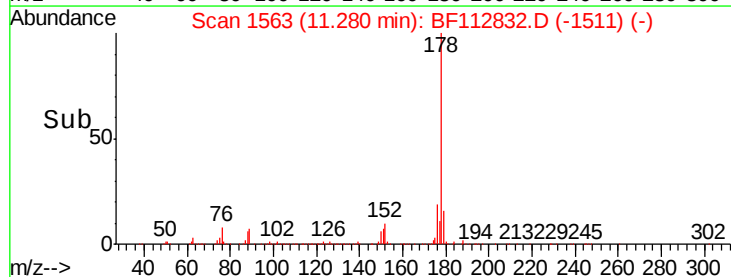
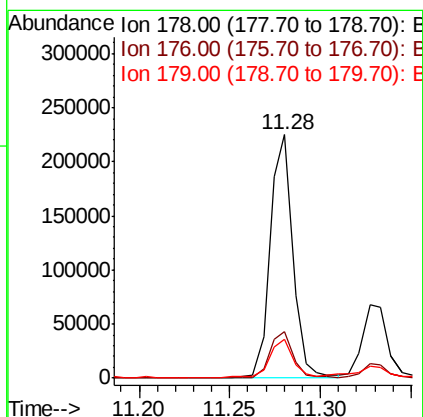
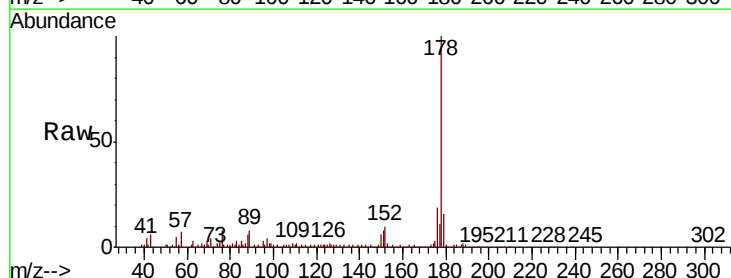
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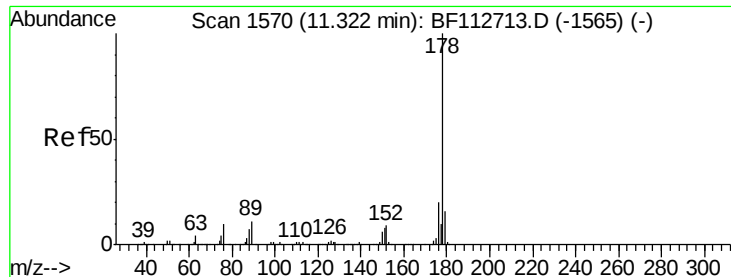
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#71
Phenanthrene
Concen: 8.160 ng
RT: 11.28 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BF112832.D
Acq: 4 Mar 2019 18:51

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	16.3	24.5
179	15.8	12.7	19.1





#72

Anthracene

Concen: 2.499 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.01 min

Lab File: BF112832.D

Acq: 4 Mar 2019 18:51

Instrument :

BNA_F

ClientSampleId :

JC-03-030119-B

Tot Ion:178 Resp: 62252

Ion Ratio Lower Upper

178 100

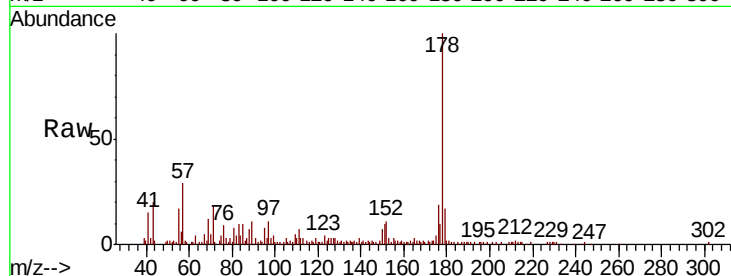
176 18.8 15.8 23.6

179 16.8 13.0 19.6

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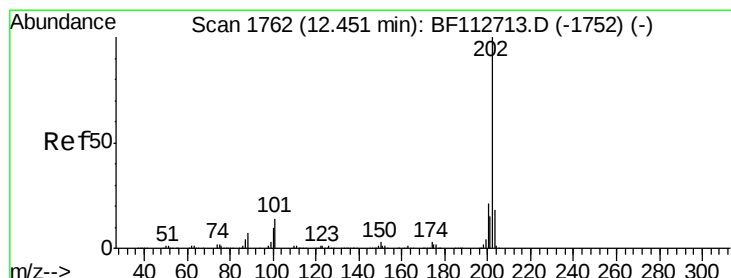
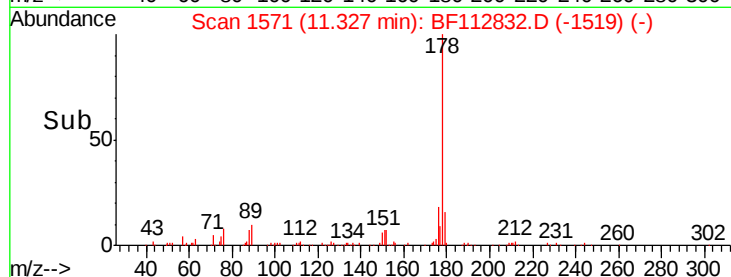
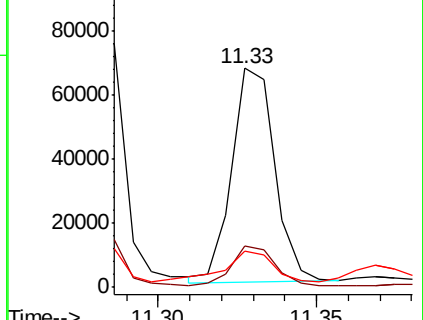
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 18.891 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BF112832.D

Acq: 4 Mar 2019 18:51

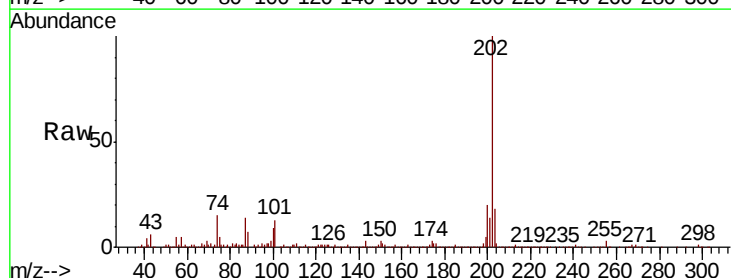
Tgt Ion:202 Resp: 481590

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.8

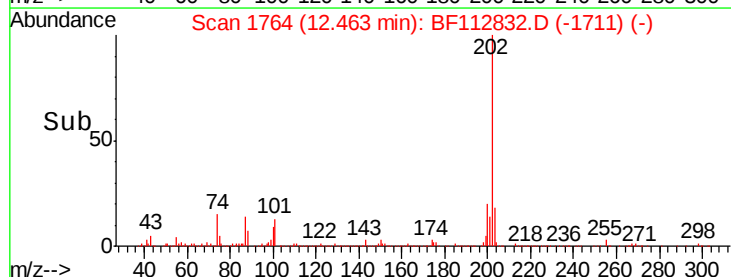
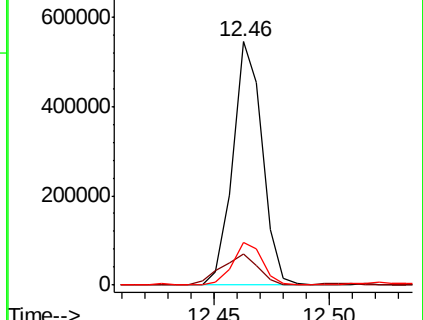
203 17.7 0.0 38.4

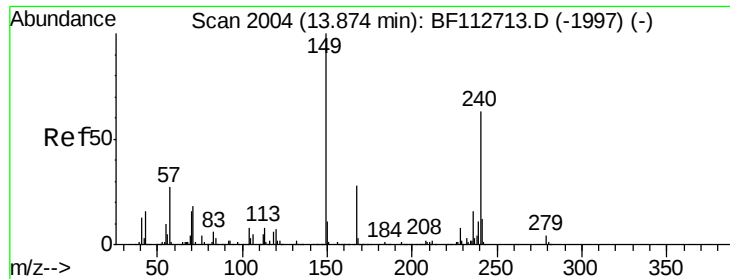


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





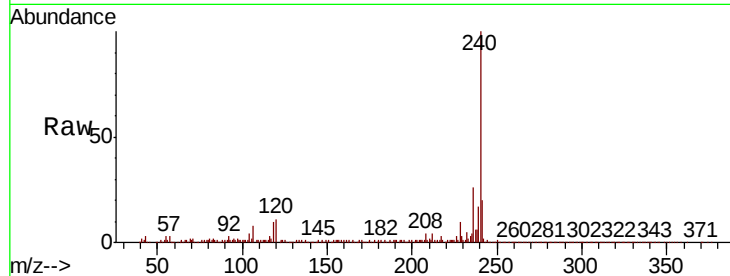
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.01 min
Lab File: BF112832.D
Acq: 4 Mar 2019 18:51

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.9	13.3
236	26.0	20.7	31.1

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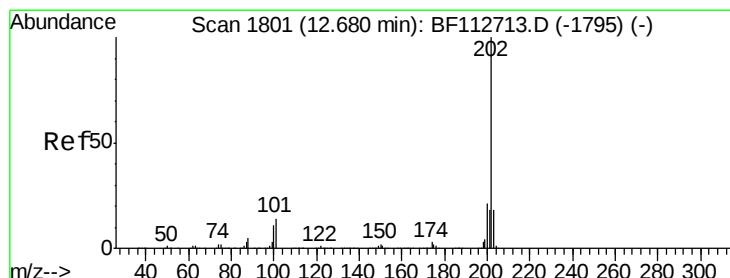
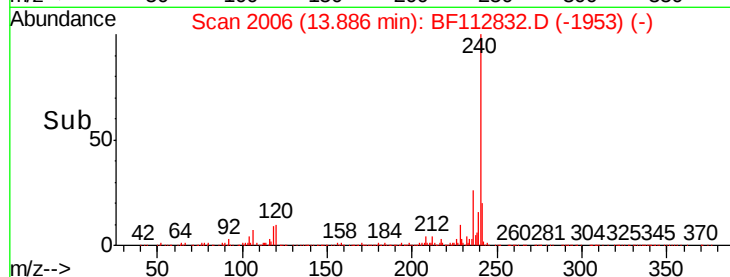
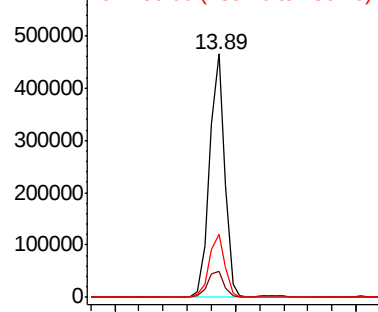


Abundance

Ion 240.00 (239.70 to 240.70): E

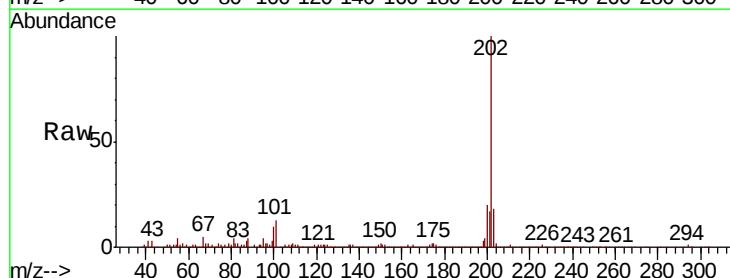
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 13.477 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.01 min
Lab File: BF112832.D
Acq: 4 Mar 2019 18:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.0	25.4
203	17.9	14.4	21.6

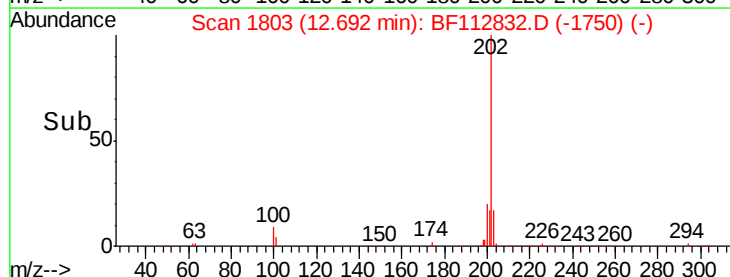
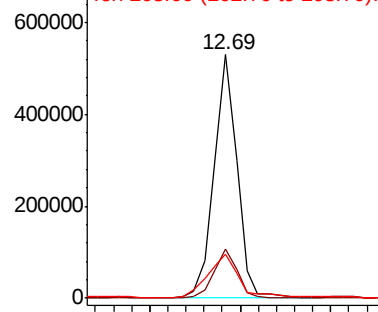


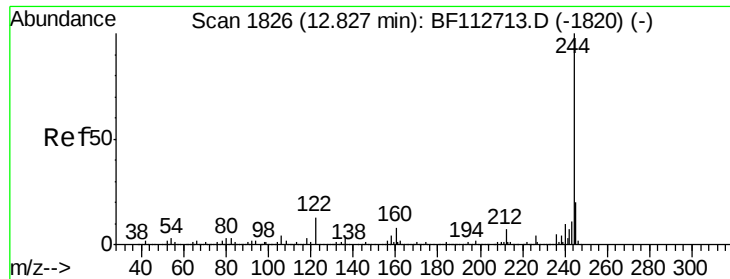
Abundance

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





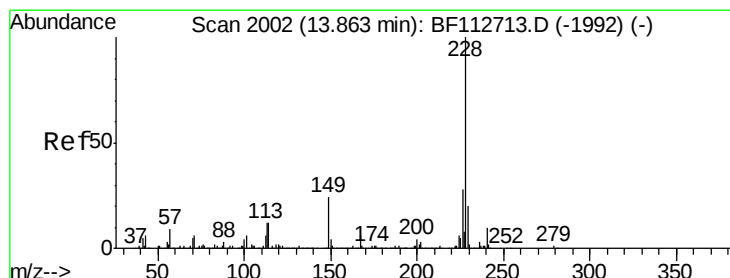
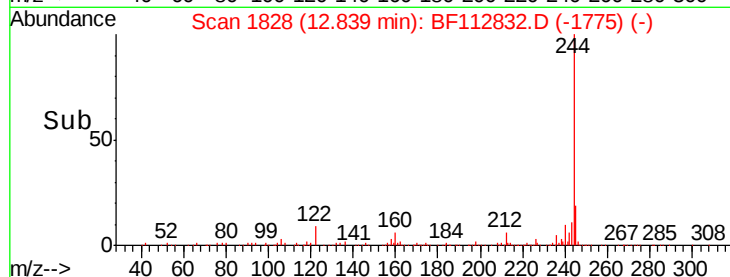
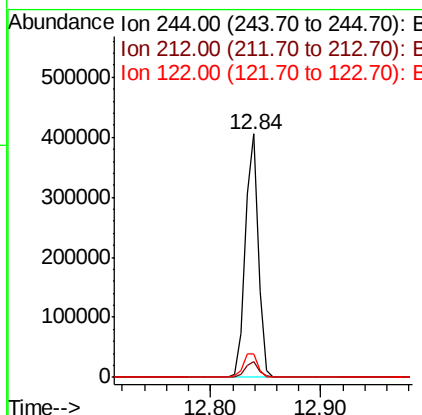
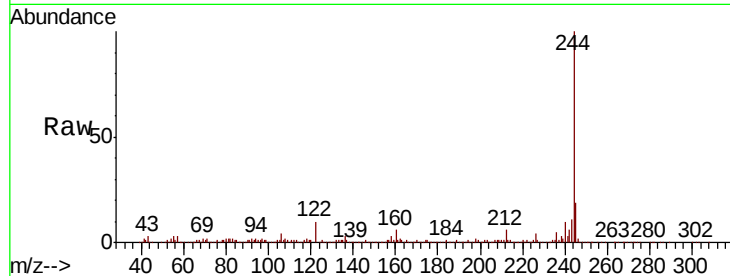
#79
 Terphenyl-d14
 Concen: 16.032 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. 0.01 min
 Lab File: BF112832.D
 Acq: 4 Mar 2019 18:51

Instrument :
 BNA_F
 ClientSampleID :
 JC-03-030119-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	9.9	10.5	15.7

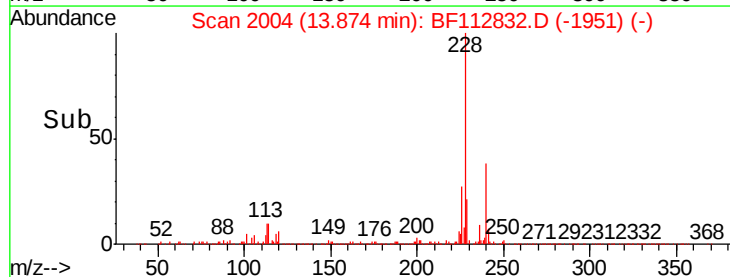
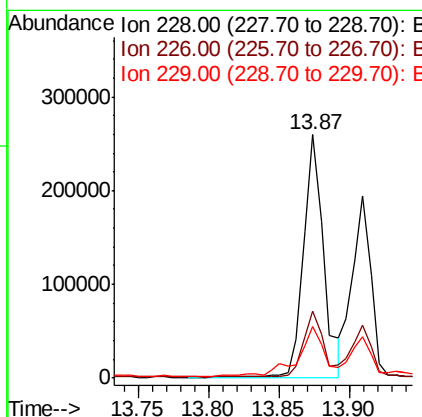
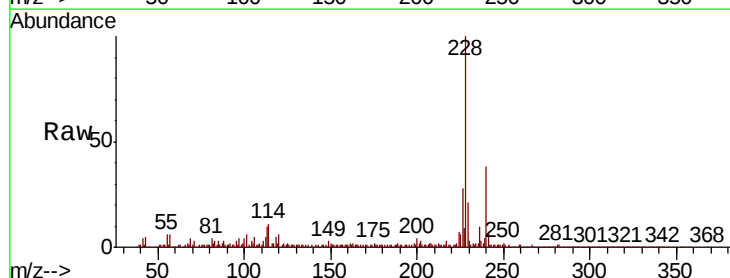
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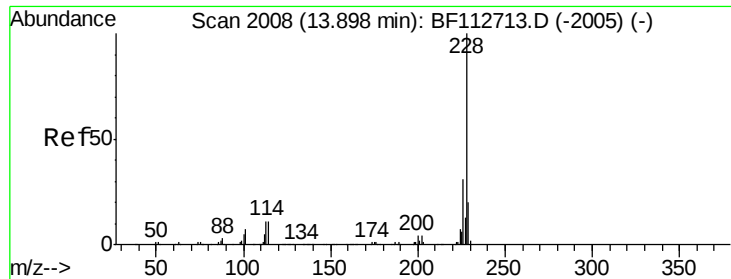
Sohil
 3/6/2019 9:28:27 AM



#81
 Benzo(a)anthracene
 Concen: 9.065 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. 0.01 min
 Lab File: BF112832.D
 Acq: 4 Mar 2019 18:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.2	33.4
229	21.3	16.0	24.0





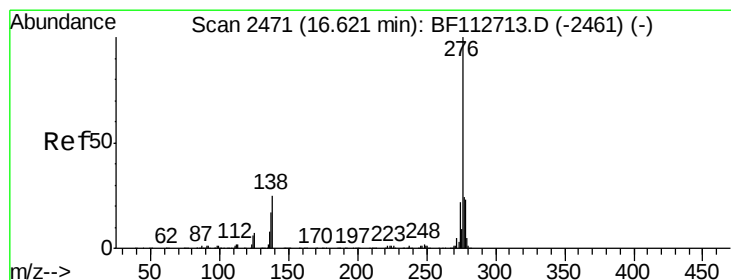
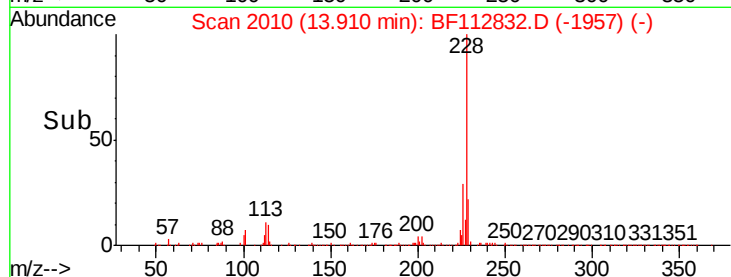
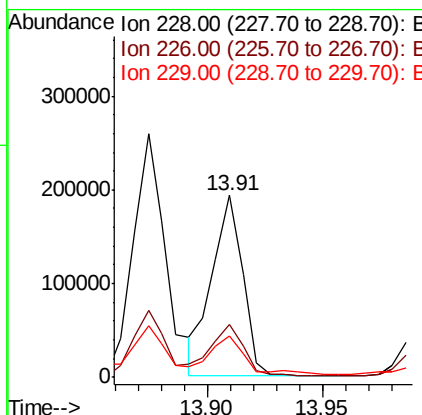
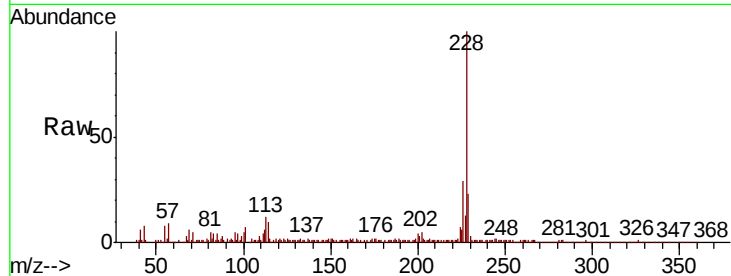
#83
Chrysene
Concen: 6.529 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF112832.D
Acq: 4 Mar 2019 18:51

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.9	37.3
229	22.9	16.3	24.5

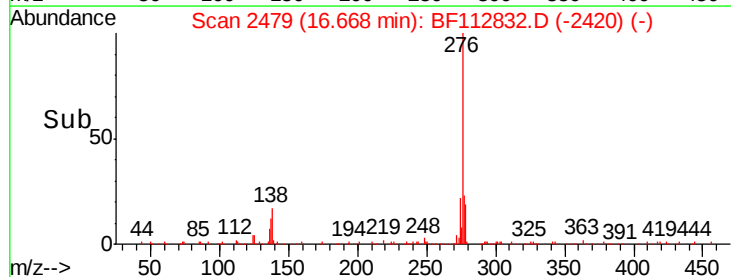
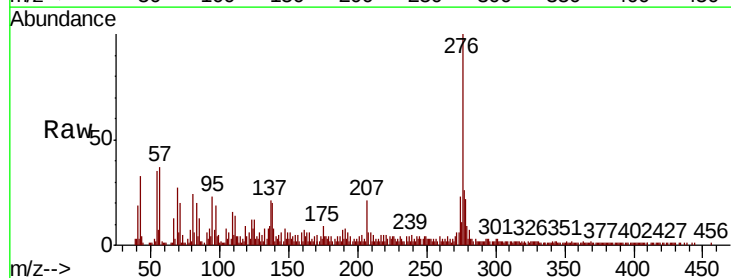
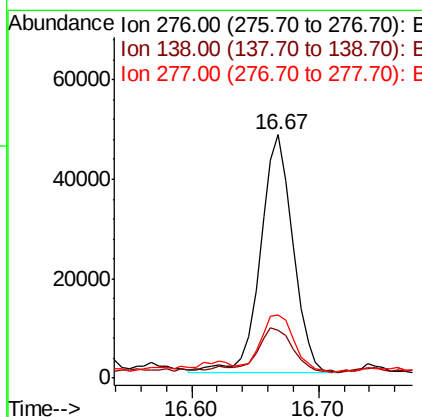
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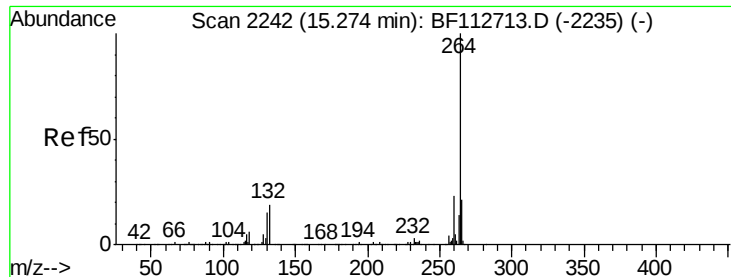
Sohil
3/6/2019 9:28:27 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.632 ng
RT: 16.67 min Scan# 2479
Delta R.T. 0.05 min
Lab File: BF112832.D
Acq: 4 Mar 2019 18:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.9	23.2	34.8#
277	24.8	19.9	29.9





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2246

Delta R.T. 0.02 min

Lab File: BF112832.D

Acq: 4 Mar 2019 18:51

Instrument :

BNA_F

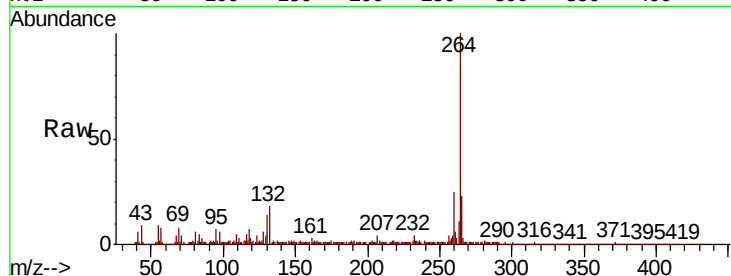
ClientSampleId :

JC-03-030119-B

Tot Ion:	264	Resp:	294119
Ion Ratio	Lower	Upper	
264	100		
260	24.6	18.7	28.1
265	22.6	17.2	25.8

Manual Integrations
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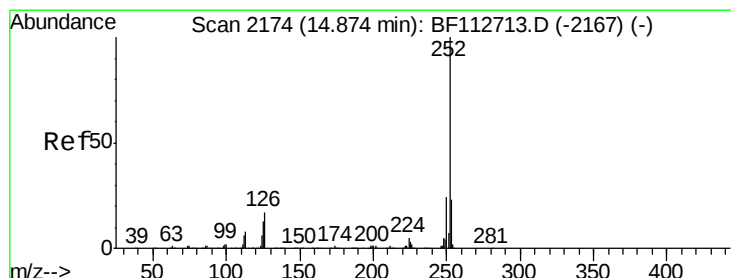
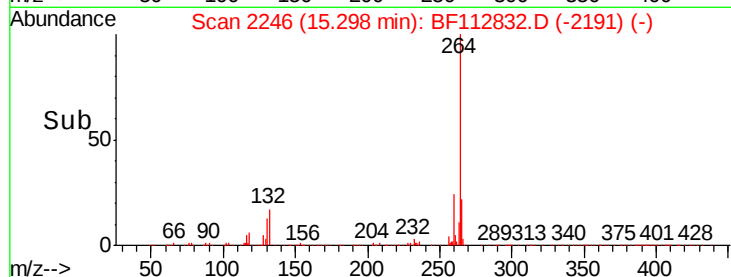
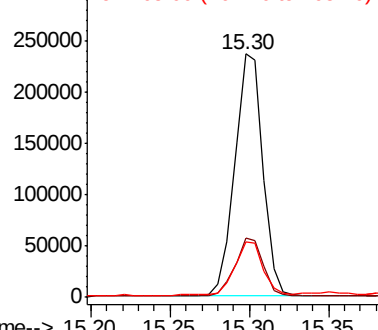


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 12.374 ng m

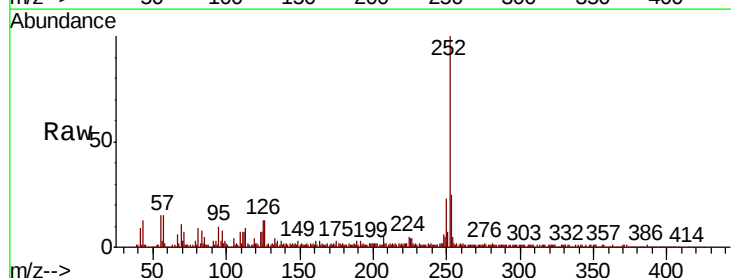
RT: 14.90 min Scan# 2178

Delta R.T. 0.02 min

Lab File: BF112832.D

Acq: 4 Mar 2019 18:51

Tgt Ion:	252	Resp:	235407
Ion Ratio	Lower	Upper	
252	100		
253	24.6	18.0	27.0
125	13.2	10.2	15.2

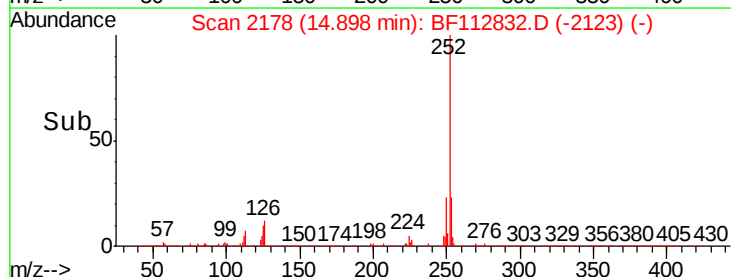
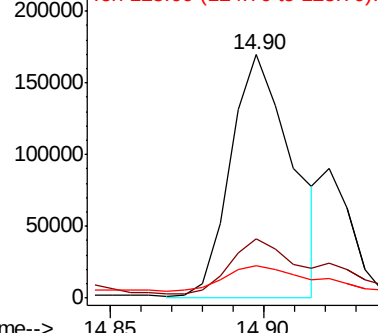


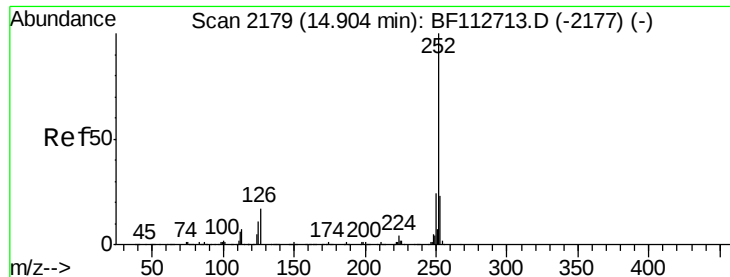
Abundance

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





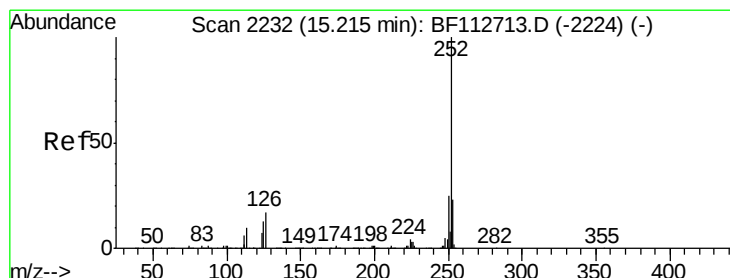
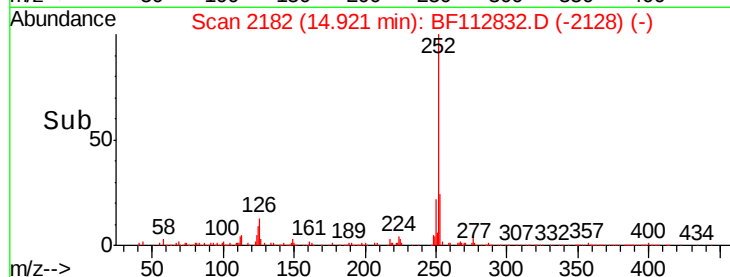
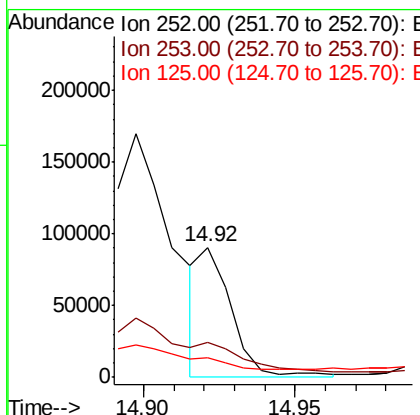
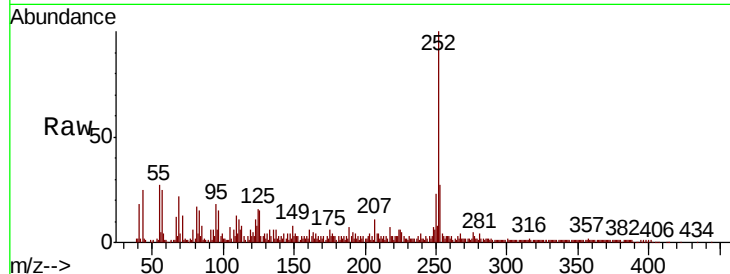
#89
Benzo(k)fluoranthene
Concen: 3.842 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.02 min
Lab File: BF112832.D
Acq: 4 Mar 2019 18:51

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.2	27.2
125	15.5	9.8	14.6

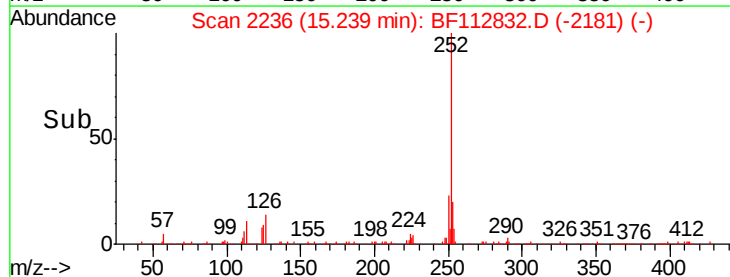
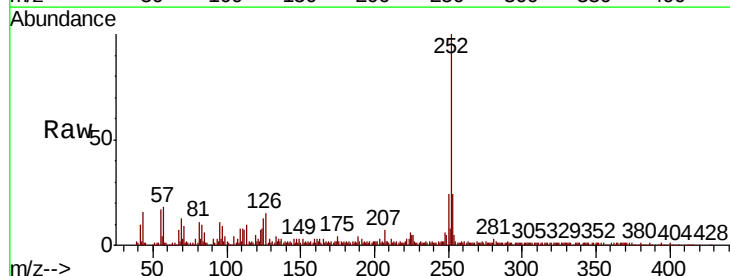
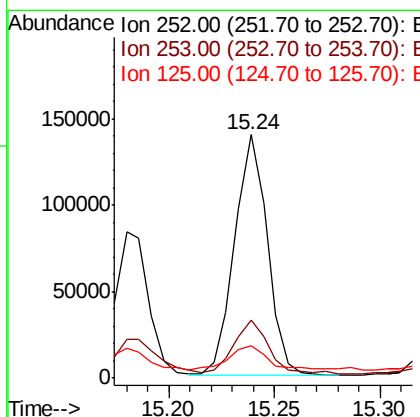
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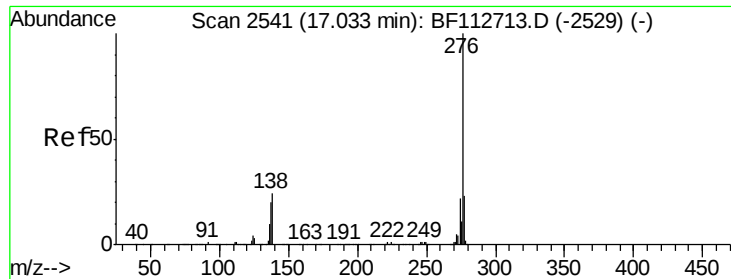
Sohil
3/6/2019 9:28:27 AM



#90
Benzo(a)pyrene
Concen: 8.940 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.02 min
Lab File: BF112832.D
Acq: 4 Mar 2019 18:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	13.3	10.7	16.1





#92
 Benzo(a,h,i)perylene
 Concen: 5.250 ng
 RT: 17.08 min Scan# 2549
 Delta R.T. 0.05 min
 Lab File: BF112832.D
 Acq: 4 Mar 2019 18:51

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-030119-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.6	27.8
138	23.6	19.4	29.0

Manual Integrations
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Sohil
 3/6/2019 9:28:27 AM

