

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
 Data File : BF114553.D
 Acq On : 24 May 2019 4:38
 Operator : JU/SJ
 Sample : K2647-13 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-052219-B

Manual Integrations
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Quant Time: May 24 08:36:19 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 24 07:23:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	183585	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	700035	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	326362	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	583732	20.00	ng	0.00
76) Chrysene-d12	13.98	240	404044	20.00	ng	0.00
87) Perylene-d12	15.45	264	314626	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	585670	51.34	ng	0.00
7) Phenol-d6	6.46	99	769770	57.05	ng	0.00
23) Nitrobenzene-d5	7.37	82	455281	36.50	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	164560	48.77	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	819501	37.98	ng	0.00
79) Terphenyl-d14	12.92	244	724803	36.98	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.56	163	65113	2.718	ng	98
71) Phenanthrene	11.36	178	267241	9.410	ng	97
72) Anthracene	11.42	178	96389	3.379	ng	94
75) Fluoranthene	12.55	202	508825	16.638	ng	98
78) Pyrene	12.78	202	470137	14.464	ng	99
81) Benzo(a)anthracene	13.97	228	225643	8.634	ng	99
83) Chrysene	14.01	228	214650	8.379	ng	97
86) Indeno(1,2,3-cd)pyrene	16.93	276	87633	3.871	ng	95
88) Benzo(b)fluoranthene	15.03	252	261251m	12.961	ng	
89) Benzo(k)fluoranthene	15.05	252	69999m	3.780	ng	
90) Benzo(a)pyrene	15.39	252	168179	9.480	ng	# 97
92) Benzo(a,h,i)perylene	17.38	276	86393	5.848	ng	96

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

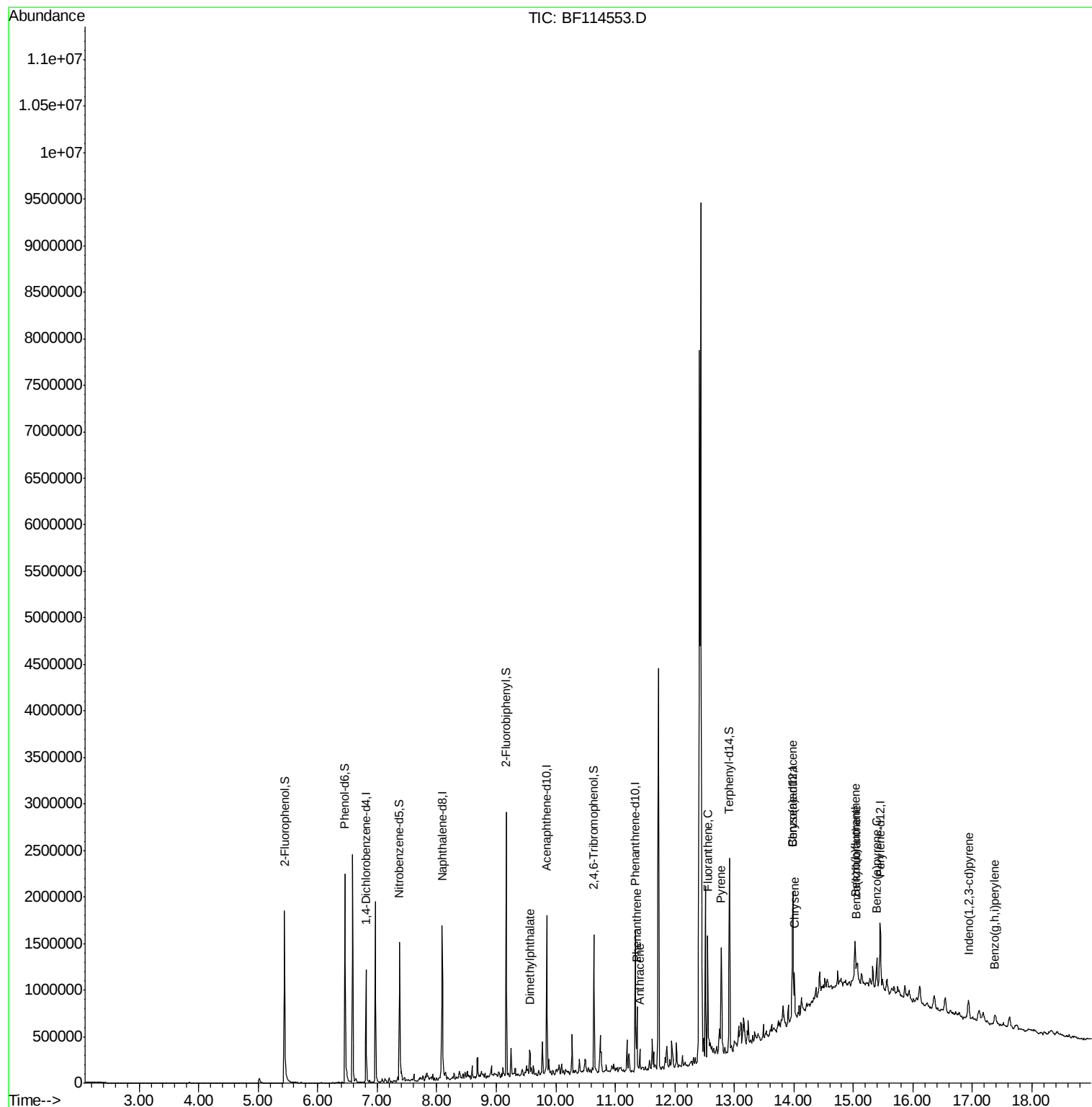
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
Data File : BF114553.D
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ALS Vial : 22 Sample Multiplier: 1

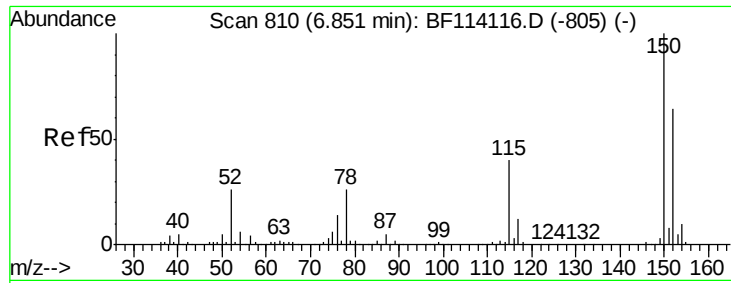
Instrument :
BNA_F
ClientSampleId :
SU-03-052219-B

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Quant Time: May 24 08:36:19 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

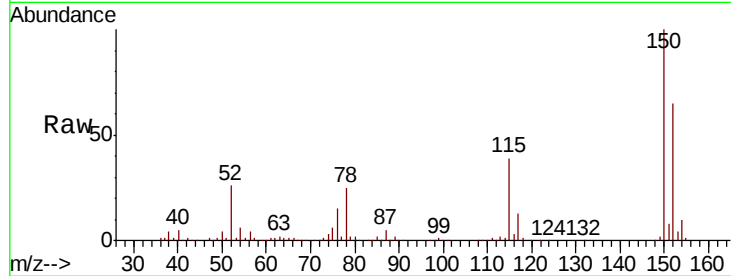
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

Instrument :
BNA_F
ClientSampleId :
SU-03-052219-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.3	186.5
115	60.4	49.1	73.7

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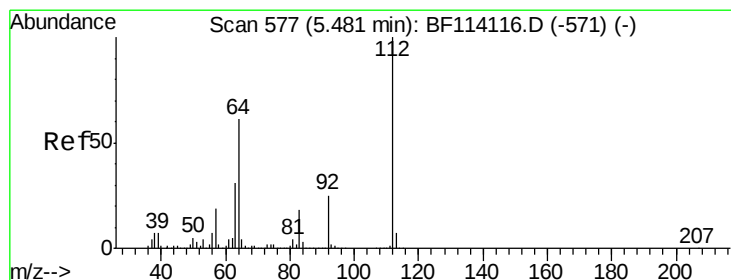
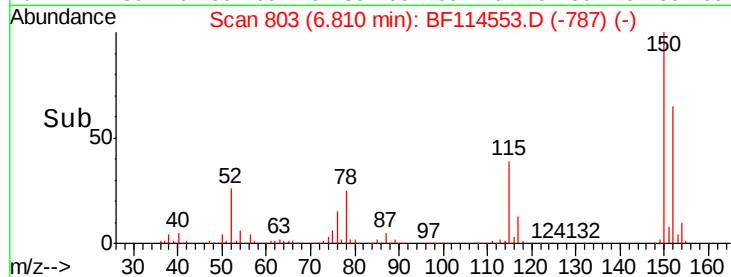
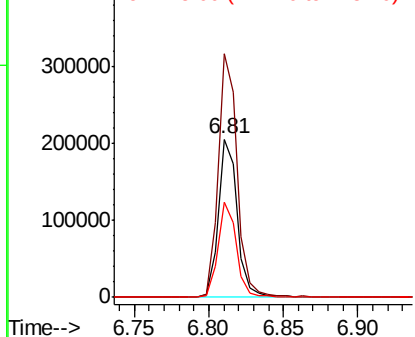


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

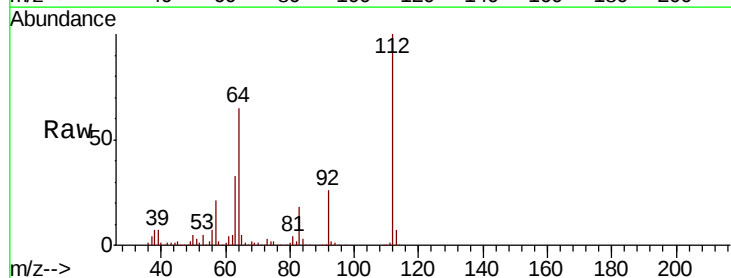
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 51.338 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	49.0	73.6
63	32.8	24.6	37.0

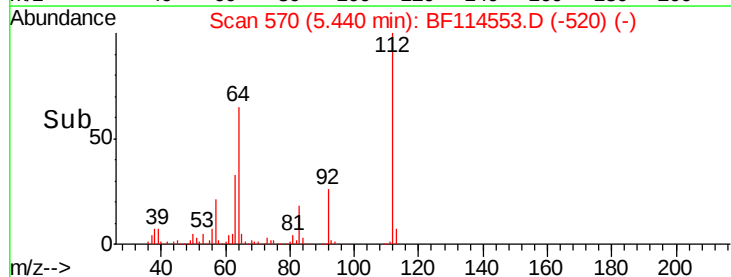
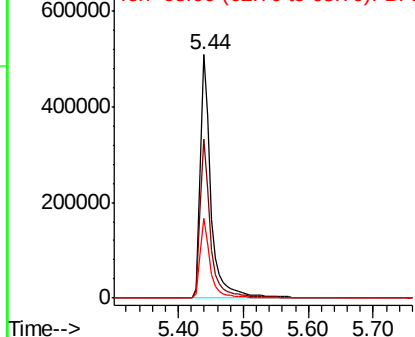


Abundance

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: 57.051 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF114553.D

Acq: 24 May 2019 4:38

Instrument :

BNA_F

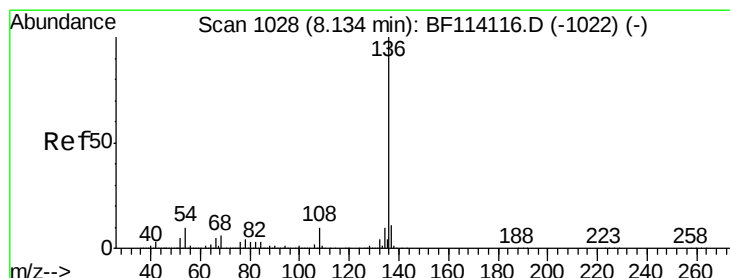
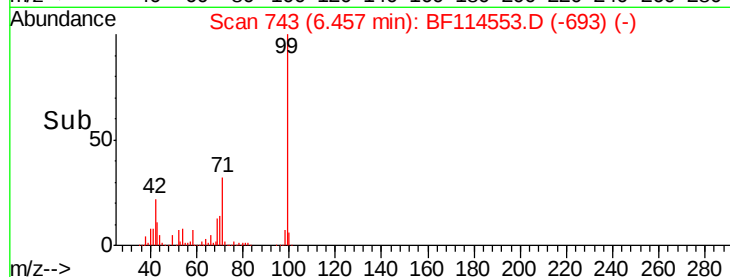
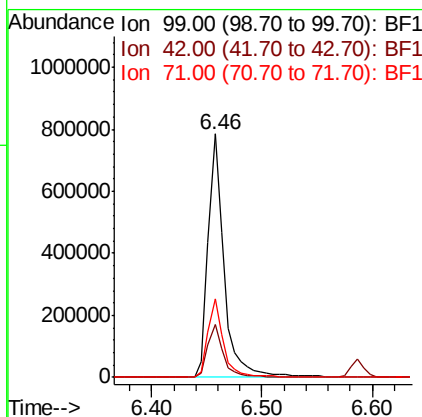
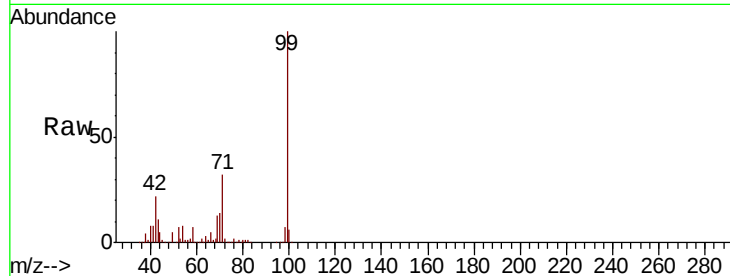
ClientSampleId :

SU-03-052219-B

Tot Ion:	99	Resp:	769770
Ion Ratio	Lower	Upper	
99	100		
42	21.6	17.9	26.9
71	32.4	26.2	39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

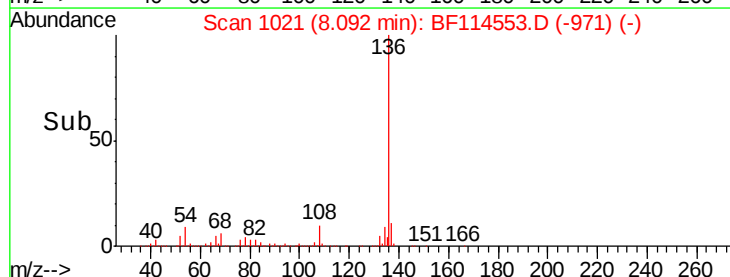
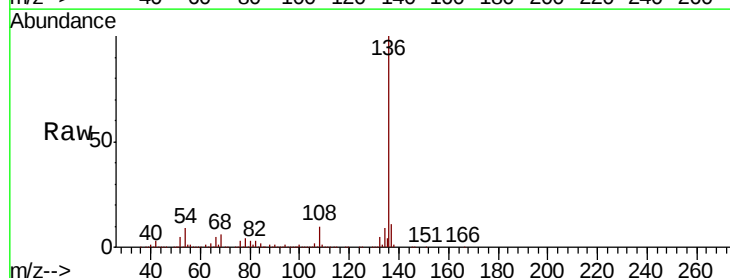
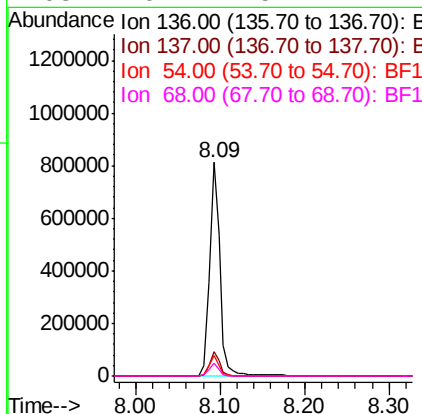
RT: 8.09 min Scan# 1021

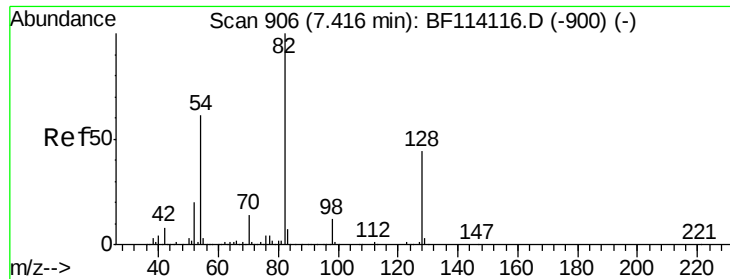
Delta R.T. -0.01 min

Lab File: BF114553.D

Acq: 24 May 2019 4:38

Tgt Ion:	136	Resp:	700035
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.8	13.2
54	9.5	7.8	11.8
68	6.1	5.1	7.7





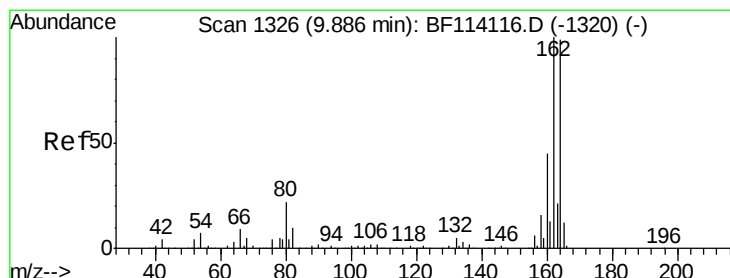
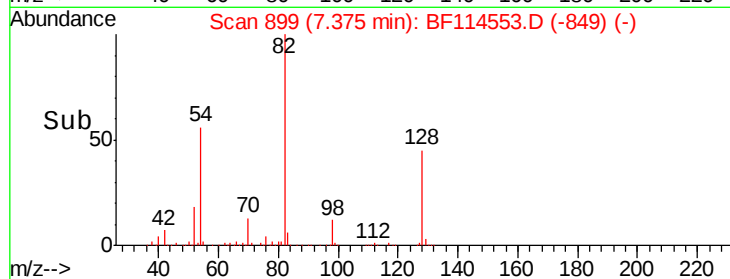
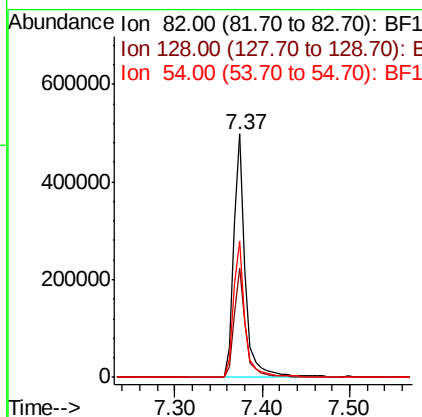
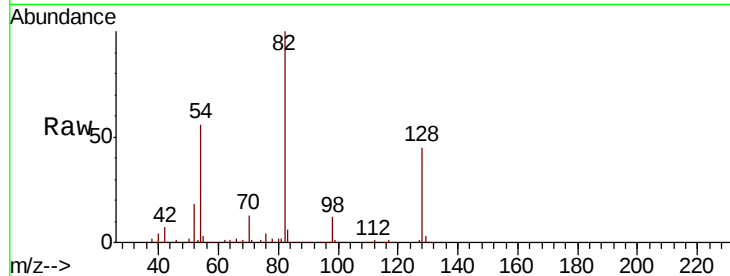
#23
Nitrobenzene-d5
Concen: 36.499 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

Instrument :
BNA_F
ClientSampleId :
SU-03-052219-B

Tot Ion	Ratio	Resp	Lower	Upper
82	100	455281		
128	44.9	35.5	53.3	
54	56.1	48.5	72.7	

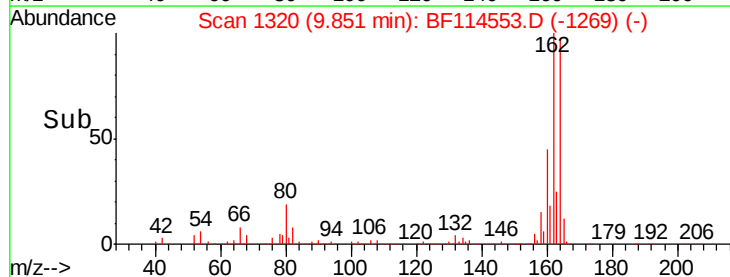
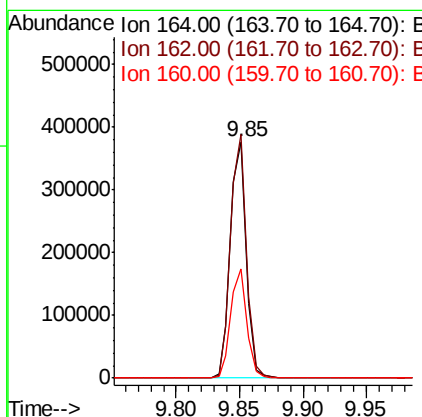
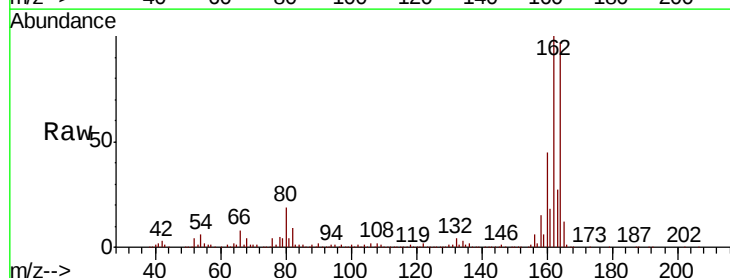
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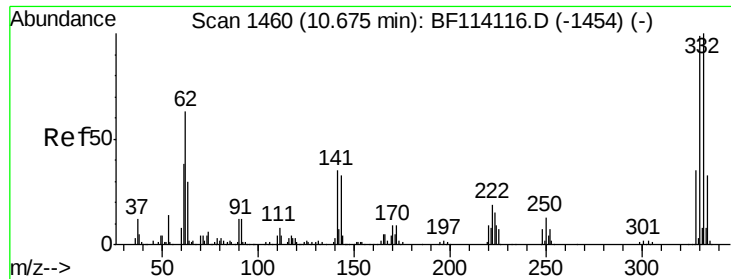
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	326362		
162	103.1	80.6	120.8	
160	46.0	36.5	54.7	





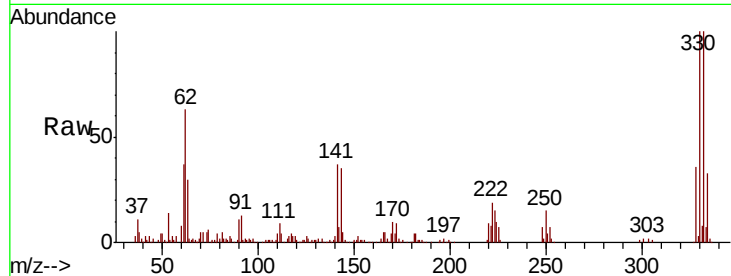
#42
 2,4,6-Tribromophenol
 Concen: 48.772 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF114553.D
 Acq: 24 May 2019 4:38

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-052219-B

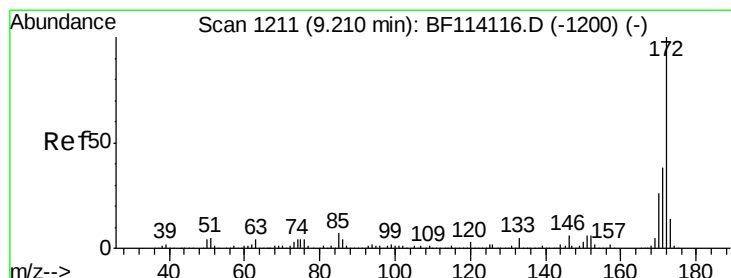
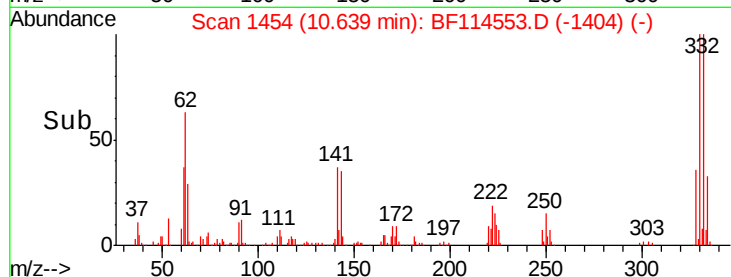
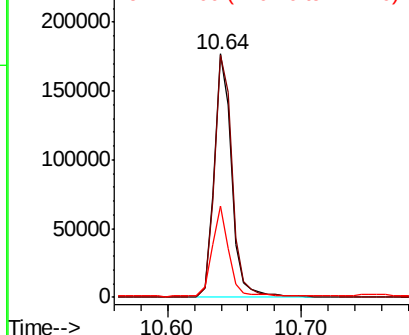
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	102.7	81.4	122.2	
141	34.6	26.6	40.0	

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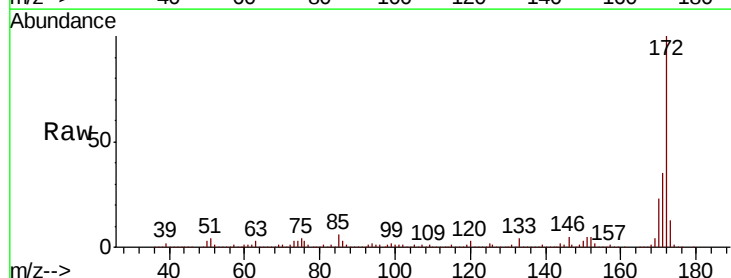


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

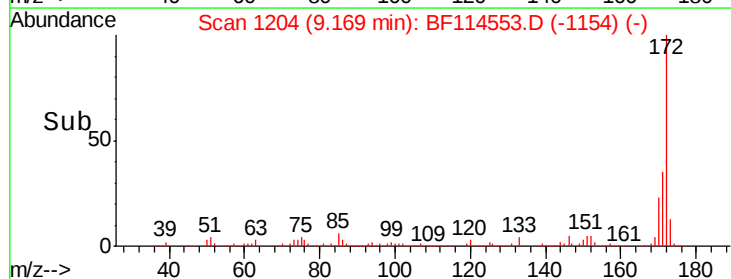
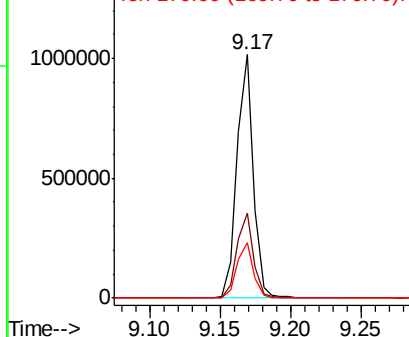


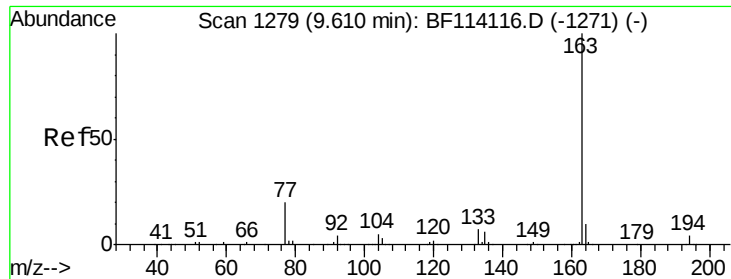
#45
 2-Fluorobiphenyl
 Concen: 37.983 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF114553.D
 Acq: 24 May 2019 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.1	30.7	46.1	
170	22.9	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





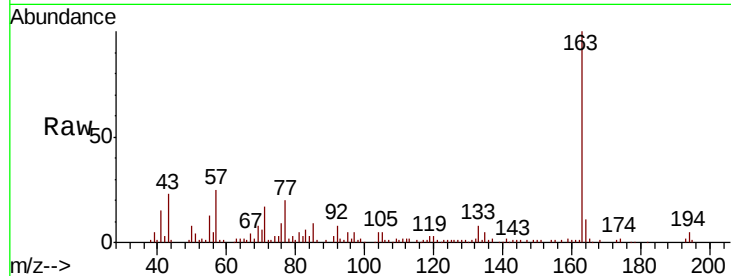
#50
Dimethylphthalate
Concen: 2.718 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

Instrument :
BNA_F
ClientSampleId :
SU-03-052219-B

Tot Ion	Ratio	Resp	Lower	Upper
163	100	65113		
194	5.0		3.4	5.0
164	10.8		8.2	12.2

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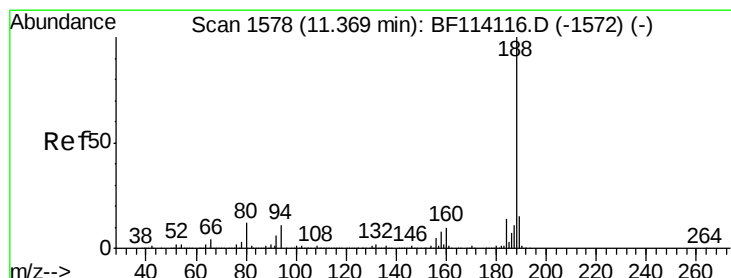
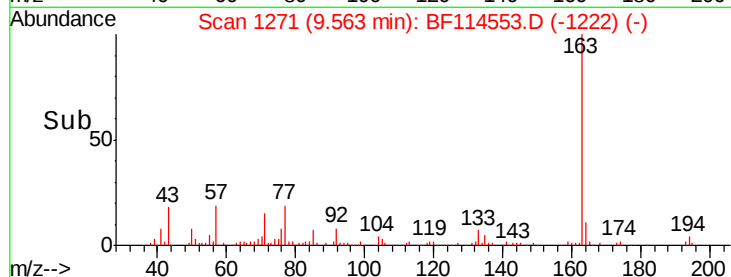
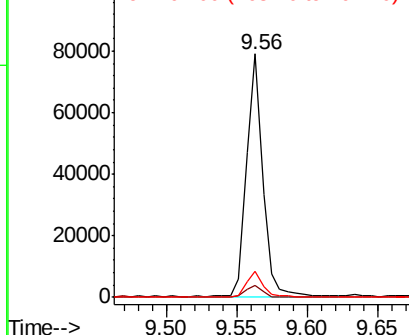


Abundance

Ion 163.00 (162.70 to 163.70): E

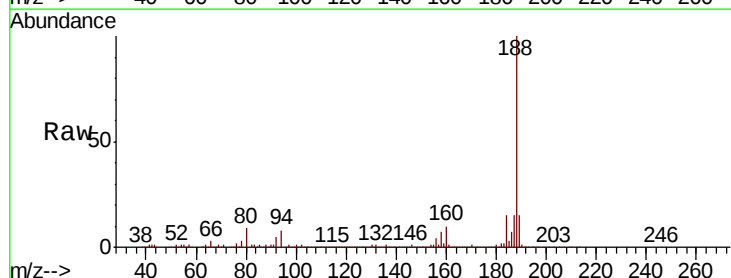
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	583732		
94	8.3		8.4	12.6#
80	8.7		9.2	13.8#

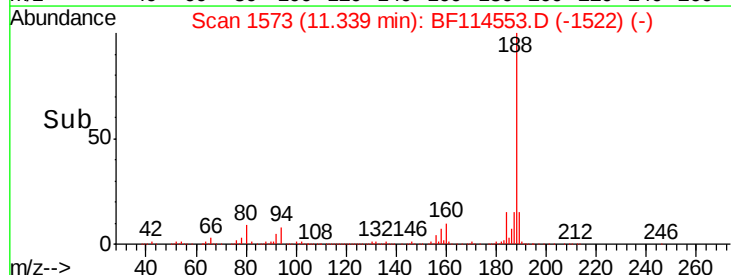
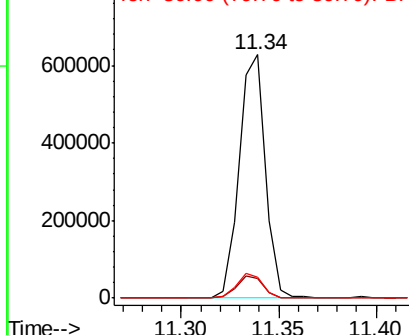


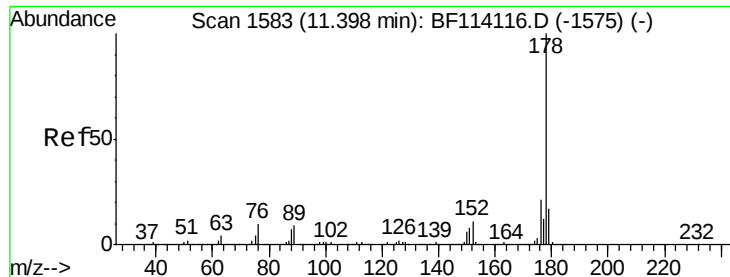
Abundance

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





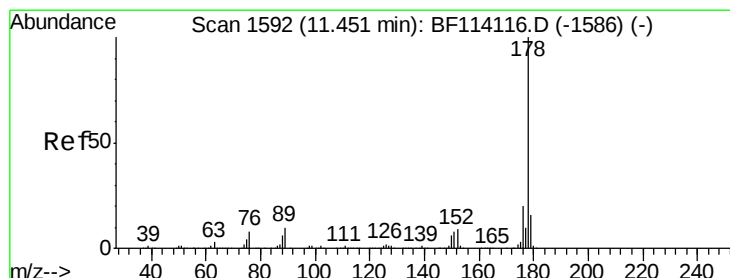
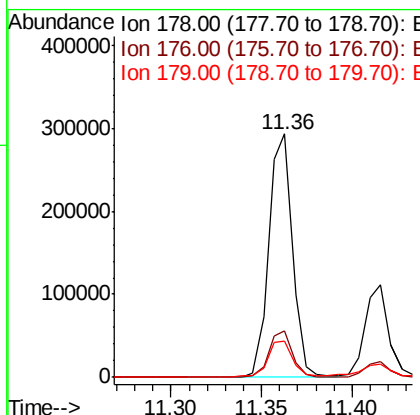
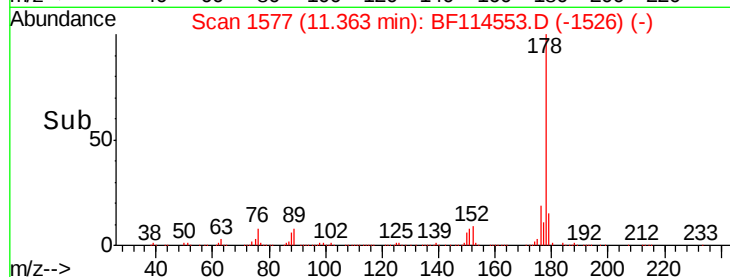
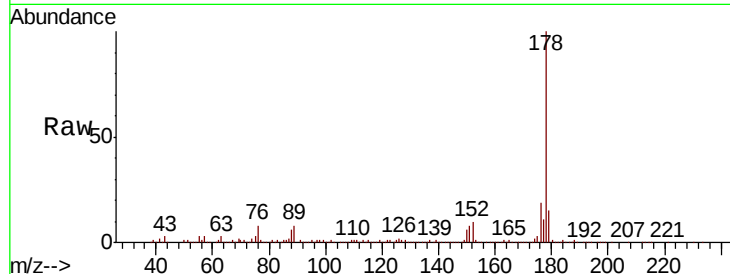
#71
Phenanthrene
Concen: 9.410 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

Instrument :
BNA_F
ClientSampleId :
SU-03-052219-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.4	24.6
179	15.0	13.2	19.8

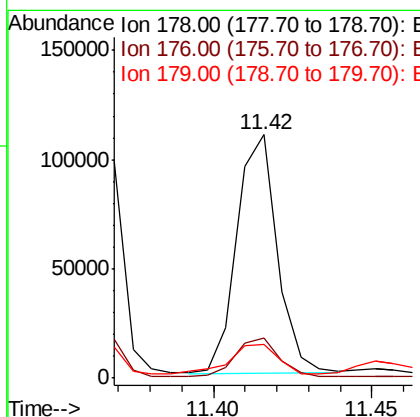
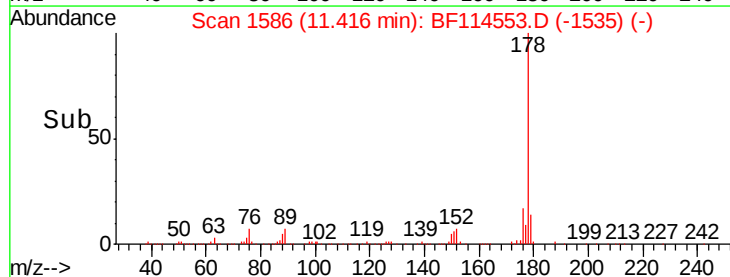
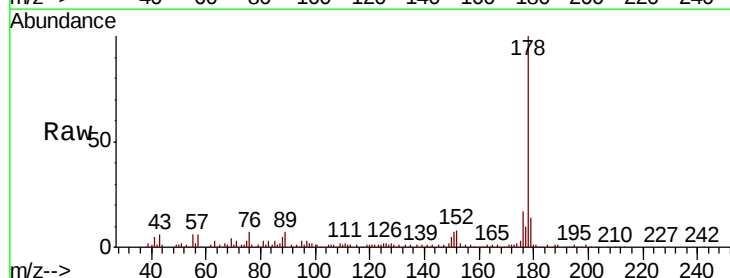
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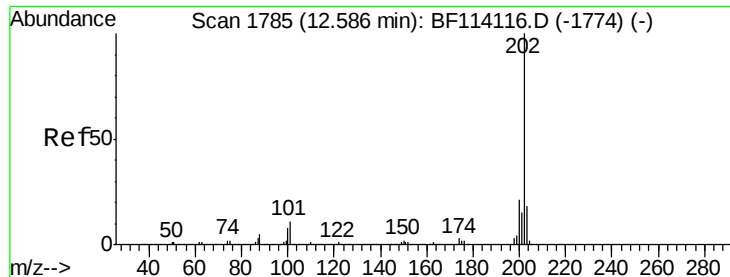
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#72
Anthracene
Concen: 3.379 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.7	15.8	23.8
179	14.1	13.0	19.4





#75

Fluoranthene

Concen: 16.638 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BF114553.D

Acq: 24 May 2019 4:38

Instrument :

BNA_F

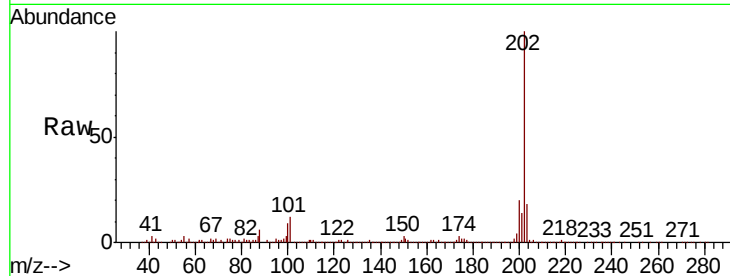
ClientSampleId :

SU-03-052219-B

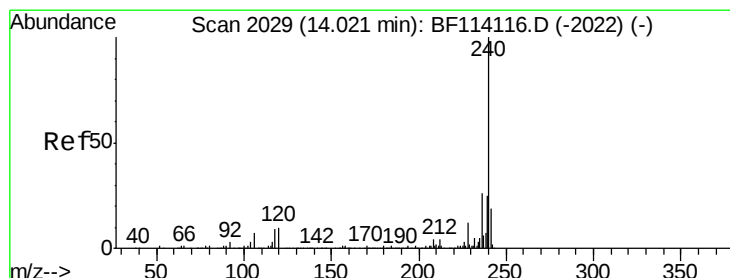
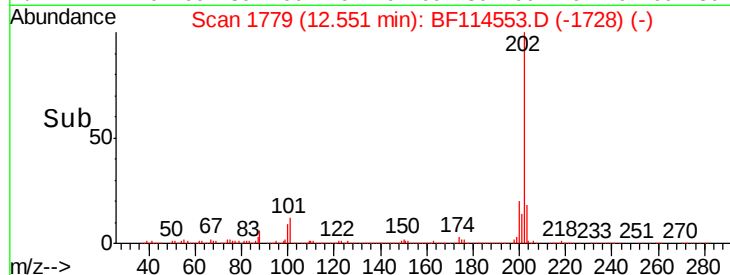
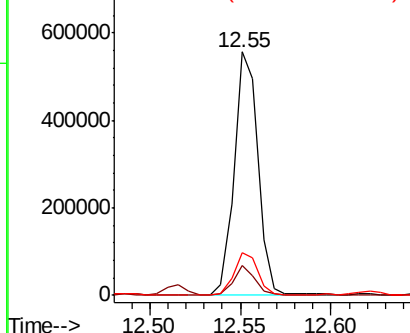
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		508825		
101	12.1	0.0	31.0		
203	17.8	0.0	38.4		

Manual Integrations
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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

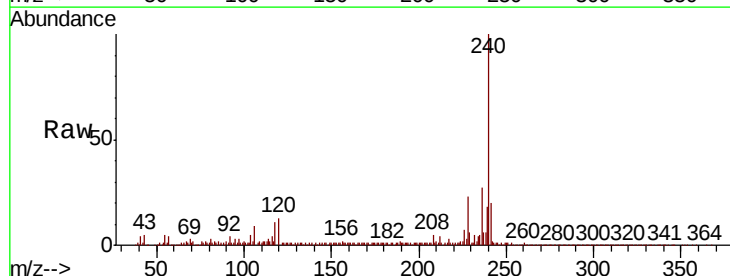
RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

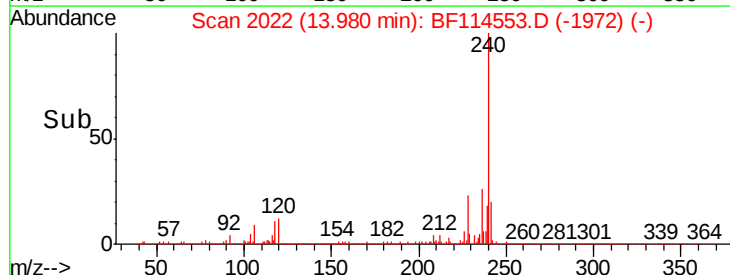
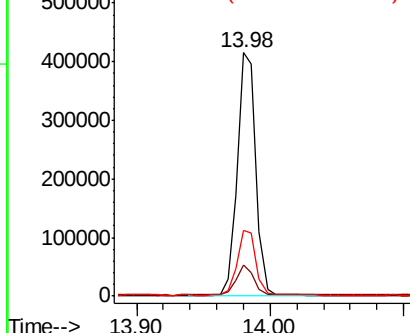
Lab File: BF114553.D

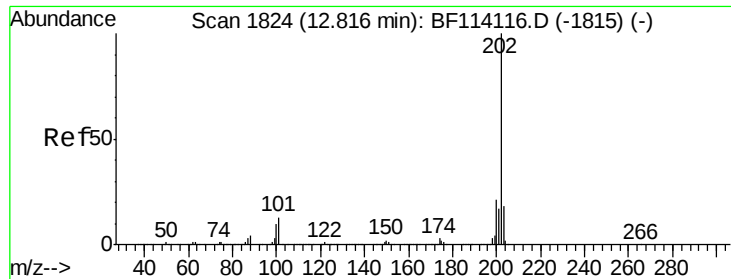
Acq: 24 May 2019 4:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		404044		
120	12.7	8.3	12.5#		
236	26.7	20.8	31.2		



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





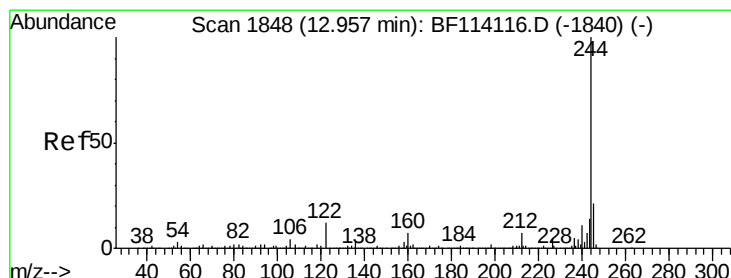
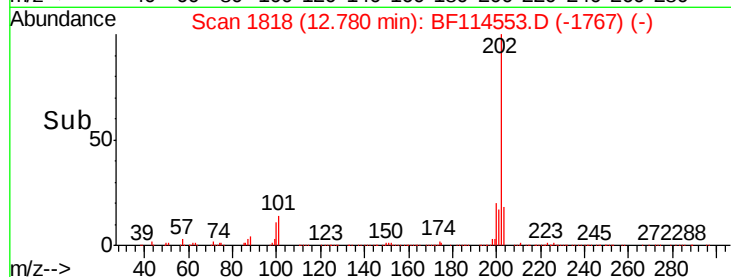
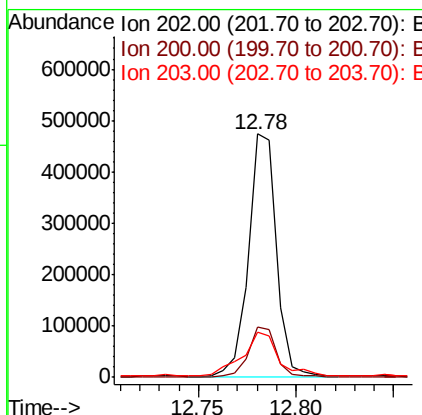
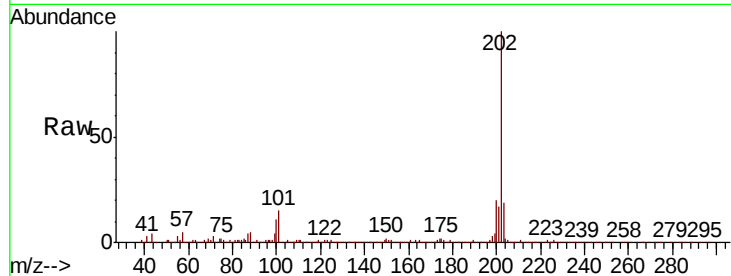
#78
Pvrene
Concen: 14.464 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

Instrument :
BNA_F
ClientSampleId :
SU-03-052219-B

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.9	25.3
203	18.8	14.5	21.7

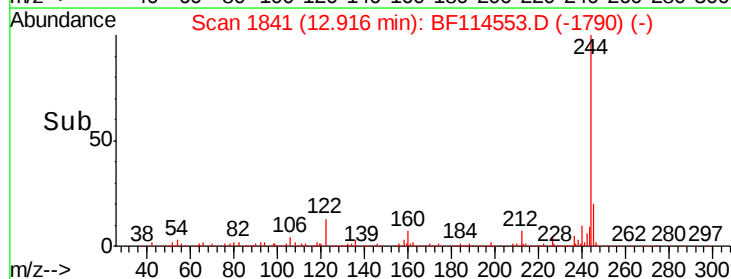
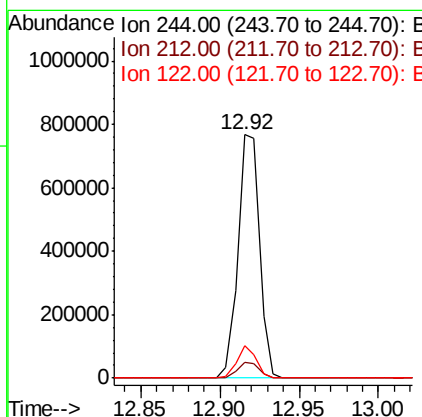
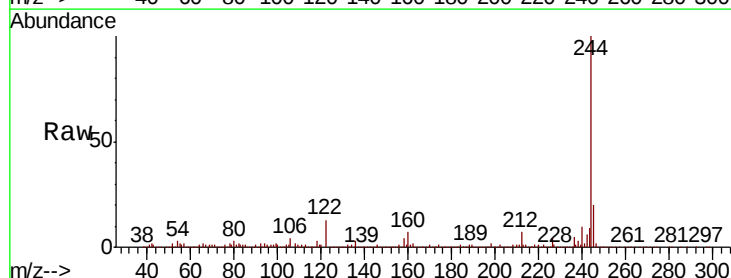
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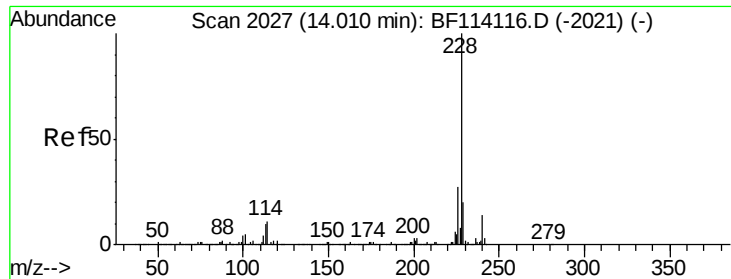
mohammad
5/24/2019 1:37:01 PM



#79
Terphenyl-d14
Concen: 36.979 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.00 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	13.4	9.4	14.2





#81

Benzo(a)anthracene

Concen: 8.634 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.00 min

Lab File: BF114553.D

Acq: 24 May 2019 4:38

Instrument :

BNA_F

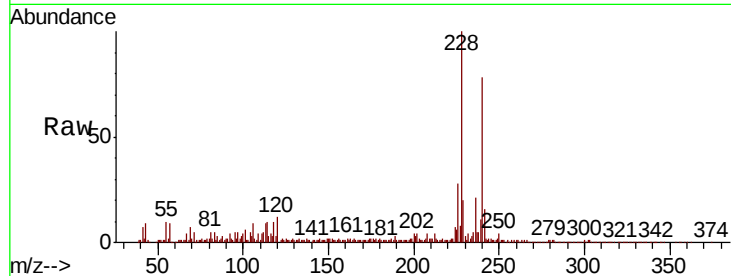
ClientSampleId :

SU-03-052219-B

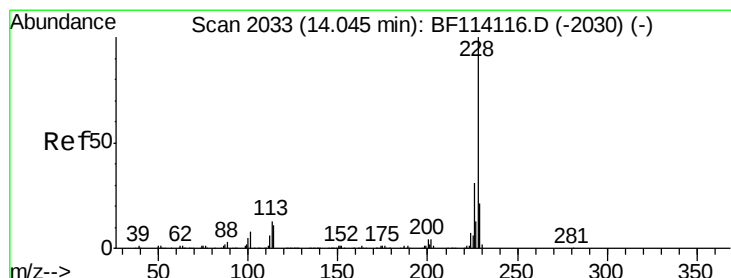
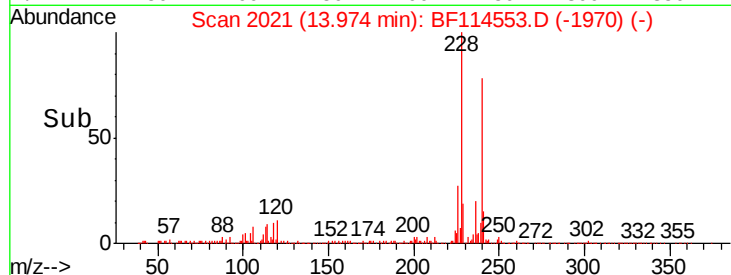
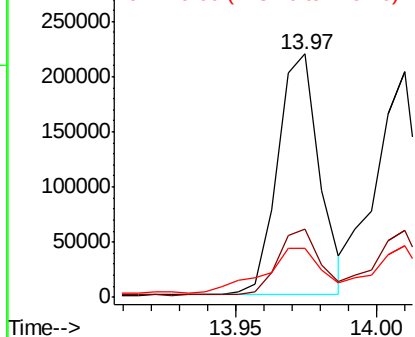
Tot Ion:	228	Resp:	225643
Ion Ratio	Lower	Upper	
228	100		
226	27.9	22.2	33.2
229	20.0	16.4	24.6

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 8.379 ng

RT: 14.01 min Scan# 2027

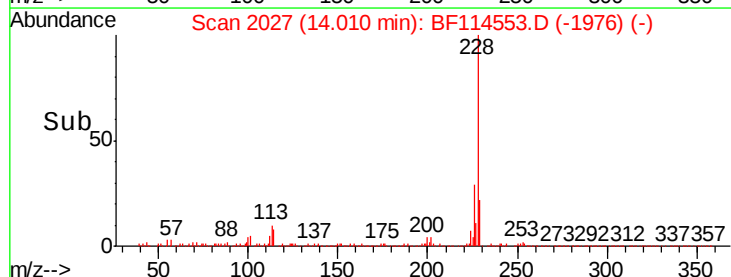
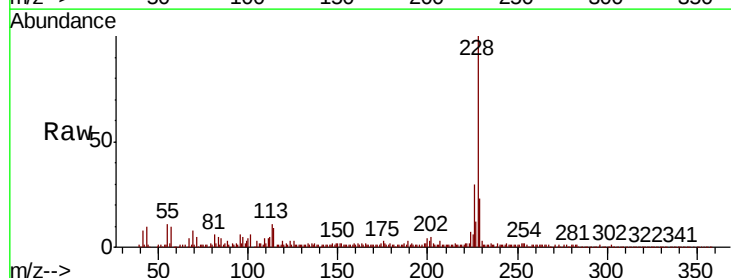
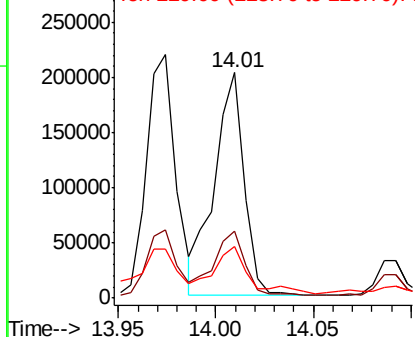
Delta R.T. -0.00 min

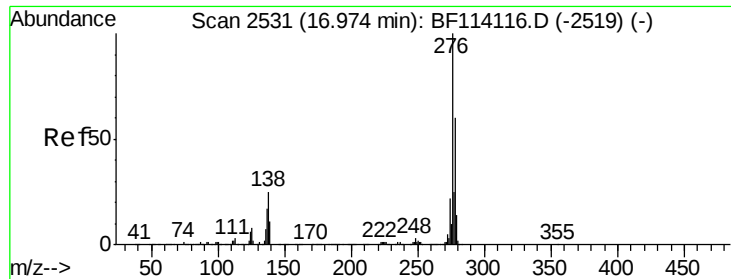
Lab File: BF114553.D

Acq: 24 May 2019 4:38

Tgt Ion:	228	Resp:	214650
Ion Ratio	Lower	Upper	
228	100		
226	29.7	25.0	37.6
229	22.9	17.0	25.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





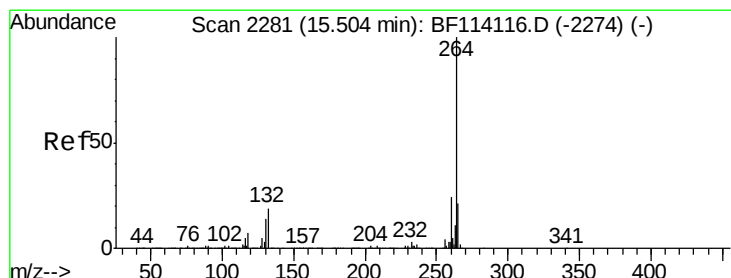
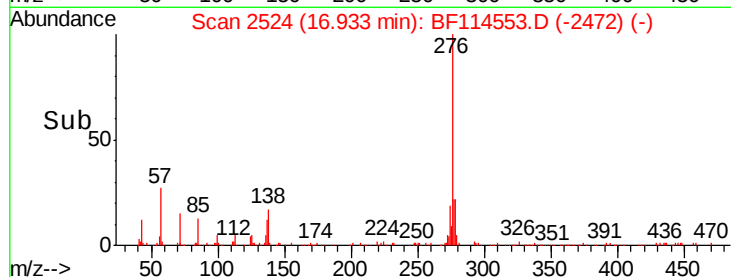
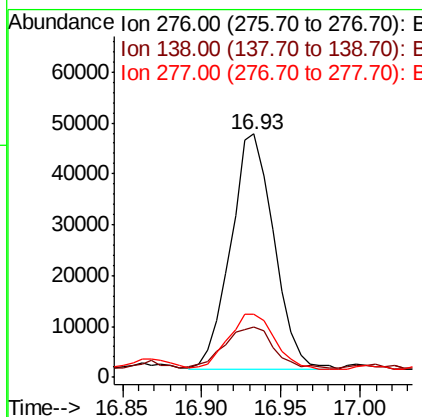
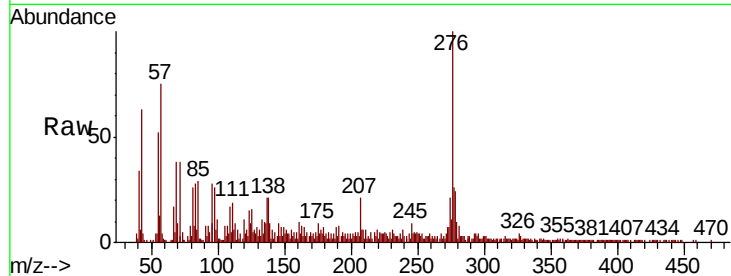
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.871 ng
 RT: 16.93 min Scan# 2524
 Delta R.T. 0.01 min
 Lab File: BF114553.D
 Acq: 24 May 2019 4:38

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-052219-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.1	20.2	30.2
277	26.1	20.0	30.0

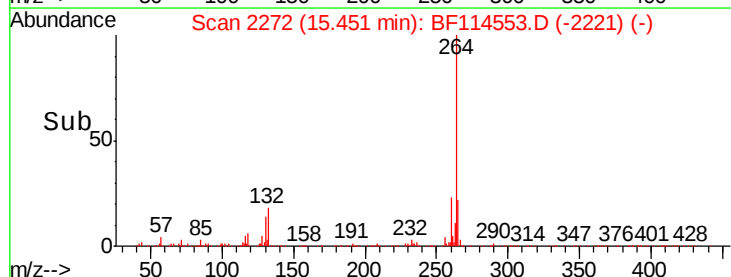
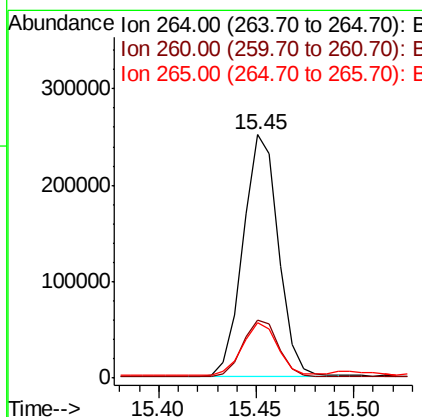
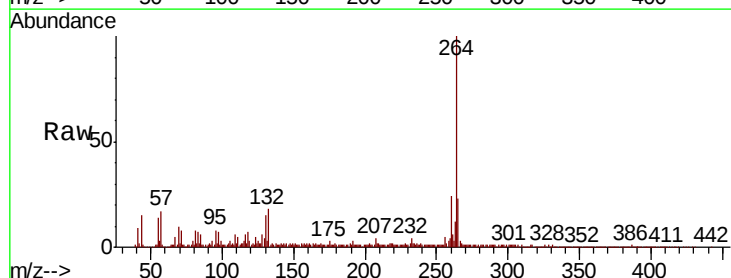
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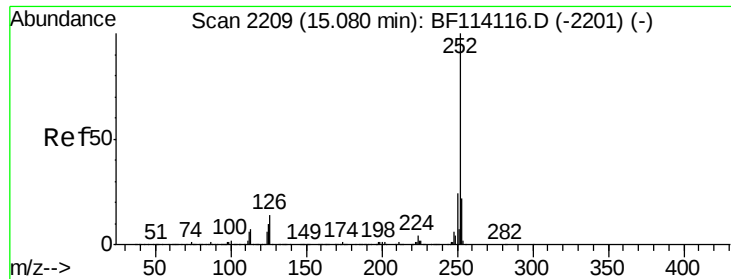
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: BF114553.D
 Acq: 24 May 2019 4:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.0
265	22.6	16.9	25.3





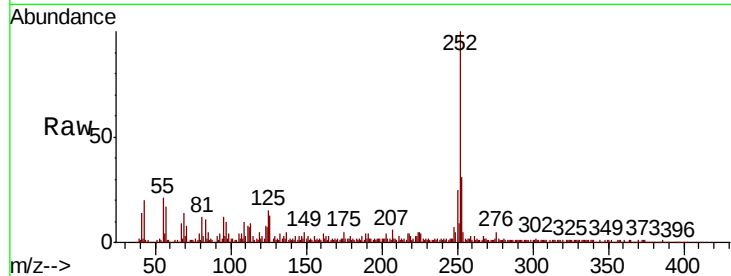
#88
Benzo(b)fluoranthene
Concen: 12.961 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

Instrument :
BNA_F
ClientSampleId :
SU-03-052219-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.6	17.8	26.8#
125	14.8	8.3	12.5#

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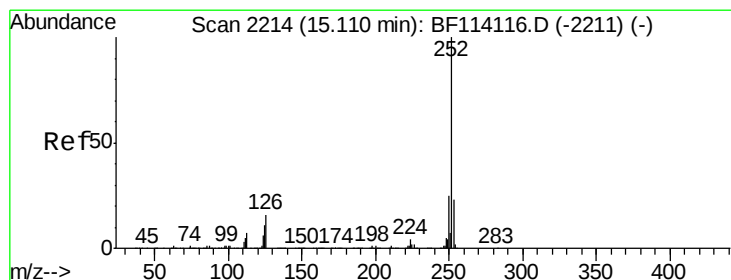
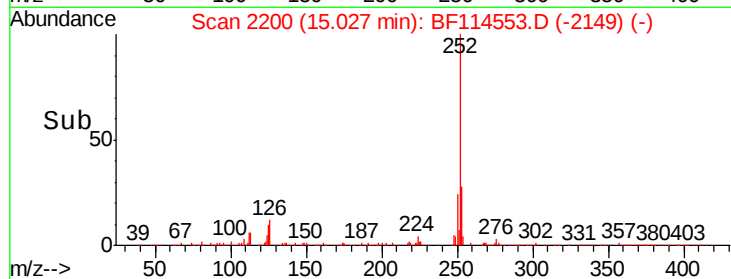
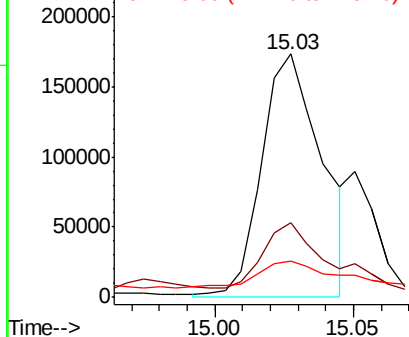


Abundance

Ion 252.00 (251.70 to 252.70): E

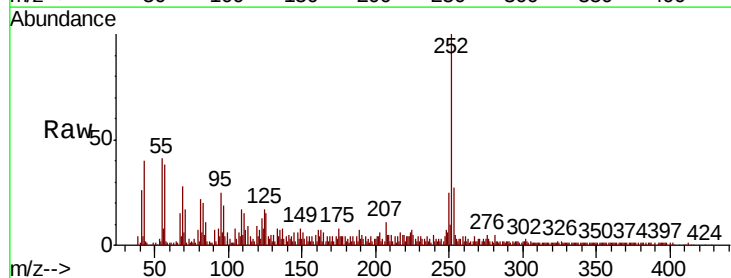
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 3.780 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.2	27.2
125	17.1	8.6	13.0#

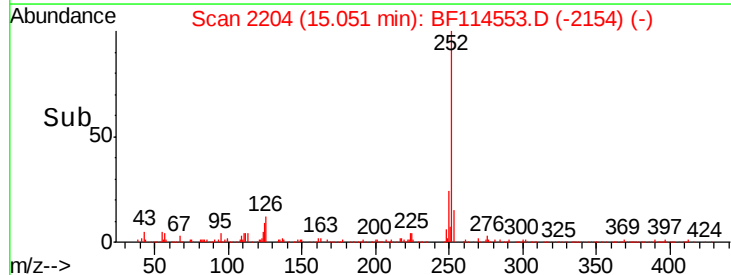
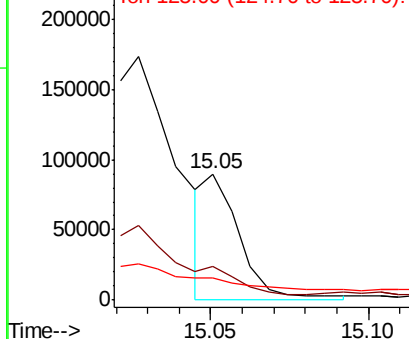


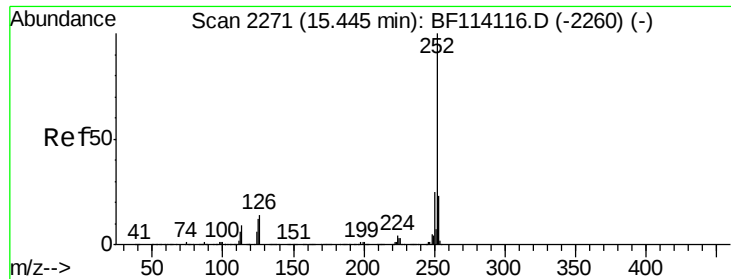
Abundance

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





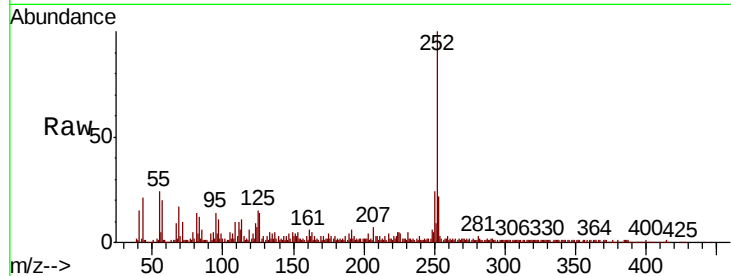
#90
Benzo(a)pyrene
Concen: 9.480 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.00 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

Instrument :
BNA_F
ClientSampleId :
SU-03-052219-B

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.3	18.1	27.1
125	14.9	9.5	14.3

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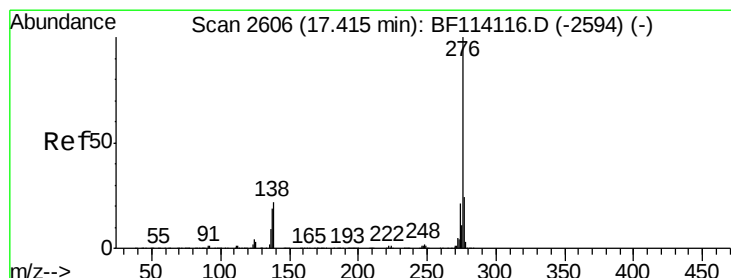
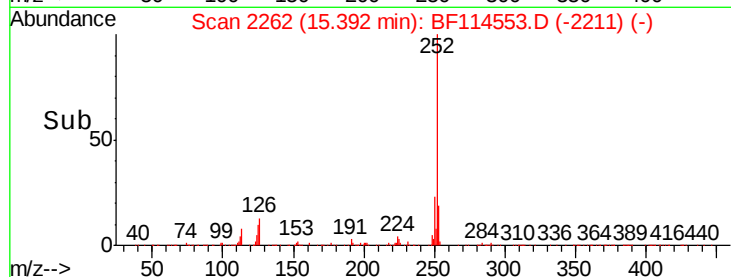
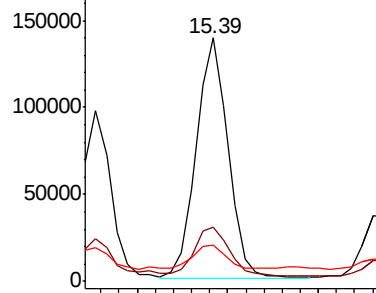


Abundance

Ion 252.00 (251.70 to 252.70): E

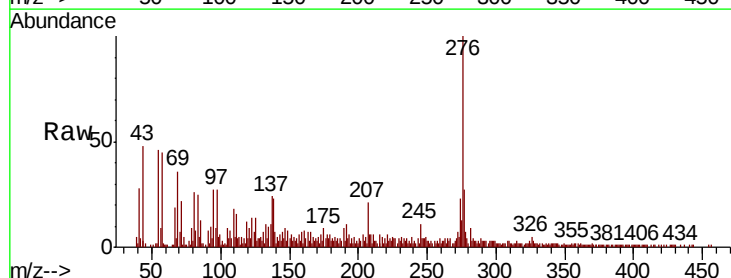
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 5.848 ng
RT: 17.38 min Scan# 2600
Delta R.T. 0.01 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	26.7	19.0	28.4
138	23.5	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

