

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114691.D
 Acq On : 31 May 2019 5:10
 Operator : HP/JU
 Sample : K2648-03 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-052919

Manual Integrations
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mohammad
 6/3/2019 8:48:10 AM

Quant Time: May 31 08:35:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	338599	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	1212286	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	528695	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	966345	20.00	ng	0.00
76) Chrysene-d12	13.82	240	577255	20.00	ng	0.00
87) Perylene-d12	15.22	264	501172	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	433879	22.50	ng	0.00
7) Phenol-d6	6.32	99	528440	22.74	ng	0.00
23) Nitrobenzene-d5	7.25	82	239075	12.30	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	101903	20.23	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	575180	5.46	ng	0.00
79) Terphenyl-d14	12.78	244	544522	17.74	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.45	163	78293	2.125	ng	Qvalue 97
71) Phenanthrene	11.22	178	193884	3.933	ng	95
75) Fluoranthene	12.40	202	384021	7.523	ng	96
78) Pyrene	12.63	202	294475	6.030	ng	97
81) Benzo(a)anthracene	13.81	228	142140	3.204	ng	99
83) Chrysene	13.84	228	118557	2.797	ng	96
88) Benzo(b)fluoranthene	14.82	252	134195m	4.251	ng	
90) Benzo(a)pyrene	15.16	252	84247	3.038	ng	# 91
92) Benzo(g,h,i)perylene	16.93	276	66069	2.778	ng	93

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

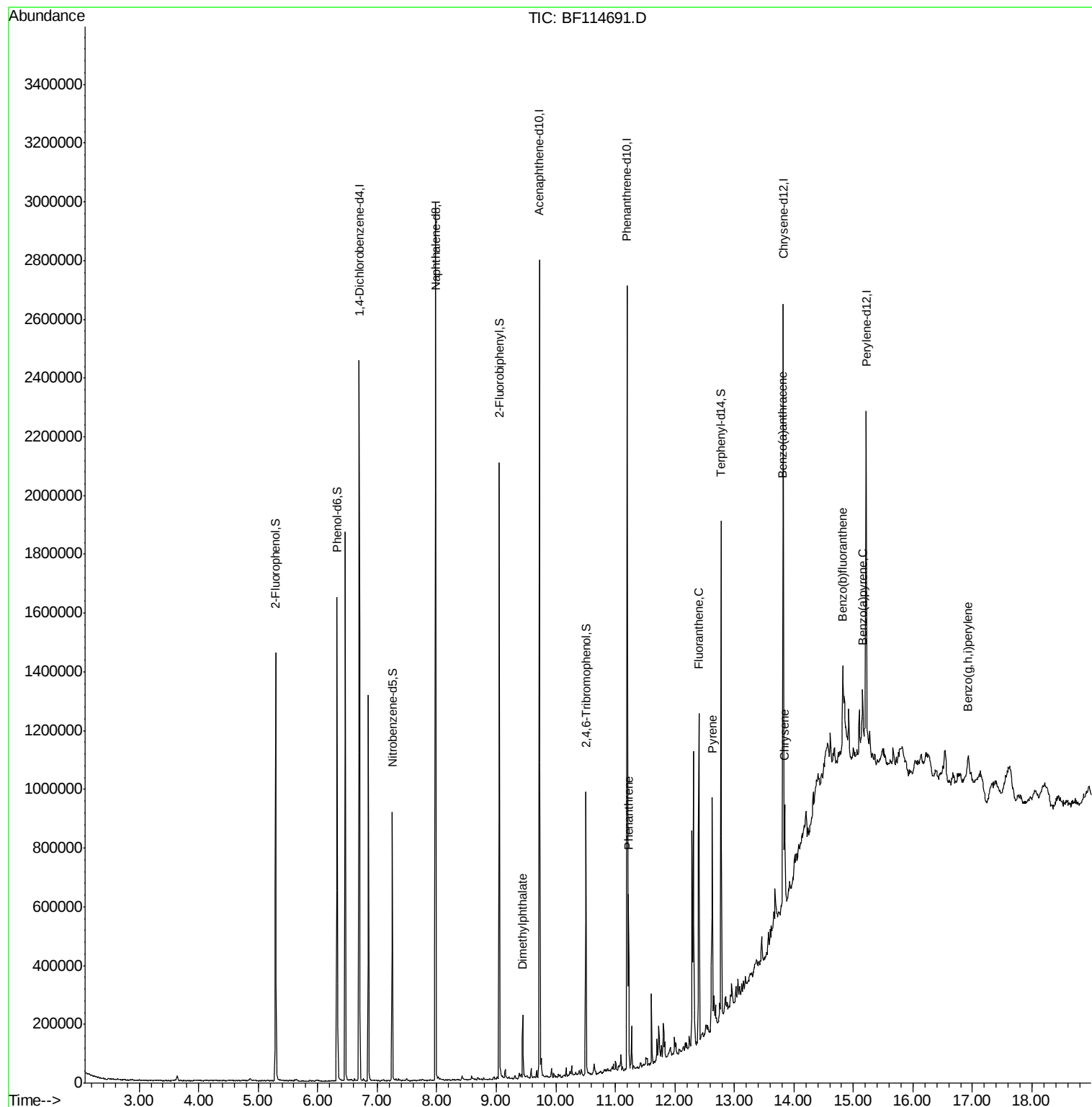
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
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#1

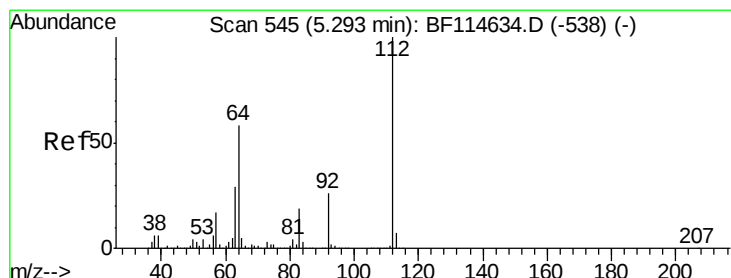
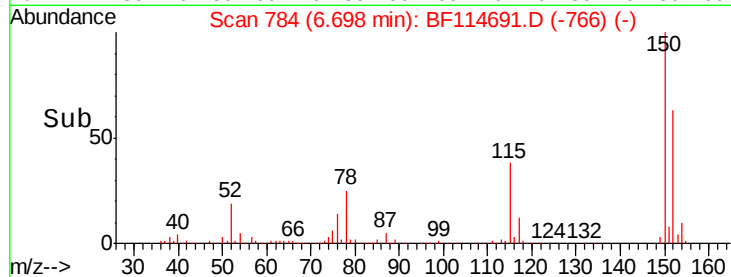
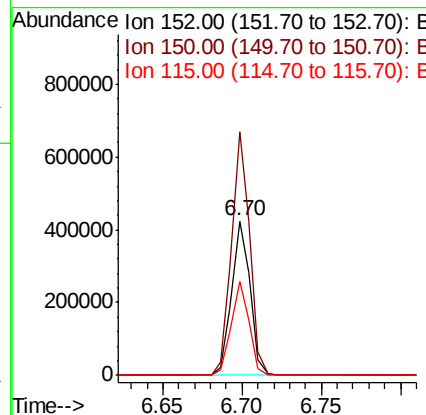
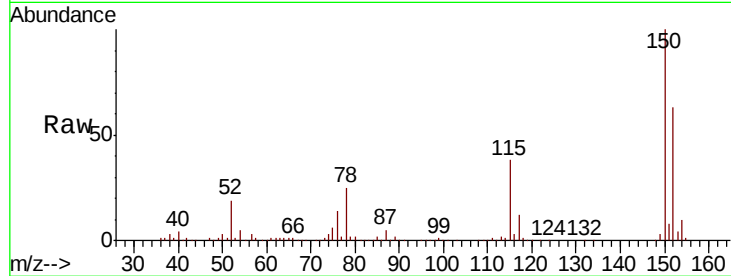
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF114691.D
Acq: 31 May 2019 5:10

Instrument :
BNA_F
ClientSampleId :
TR-04-052919

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.4	186.6
115	60.5	48.7	73.1

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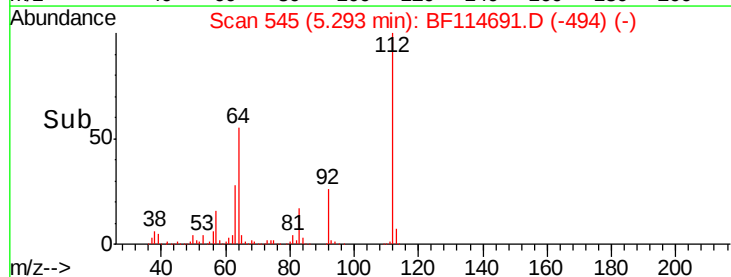
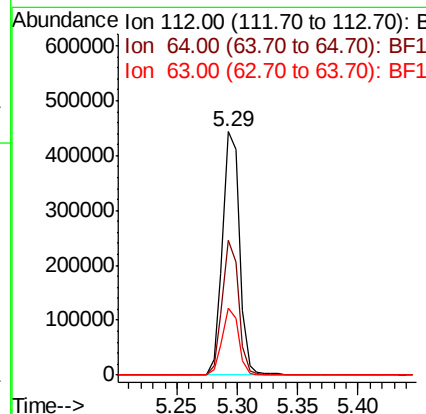
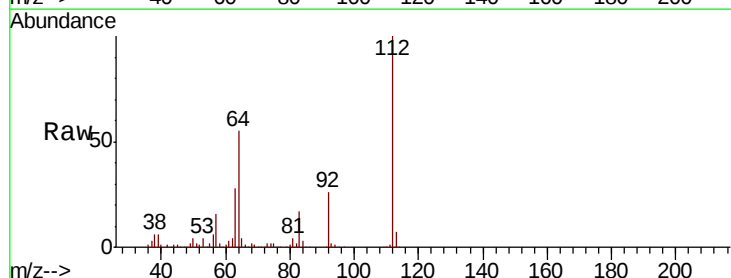
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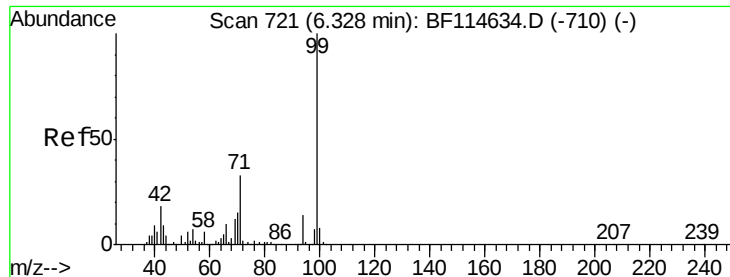


#5

2-Fluorophenol
Concen: 22.498 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.00 min
Lab File: BF114691.D
Acq: 31 May 2019 5:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	46.1	69.1
63	27.7	23.4	35.2





#7

Phenol-d6

Concen: 22.739 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF114691.D

Acq: 31 May 2019 5:10

Instrument :

BNA_F

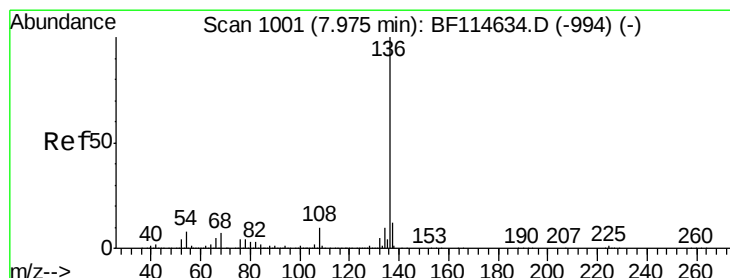
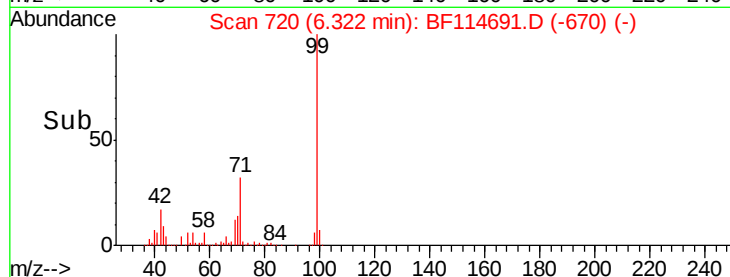
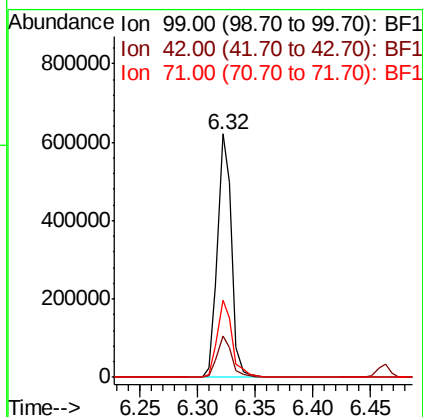
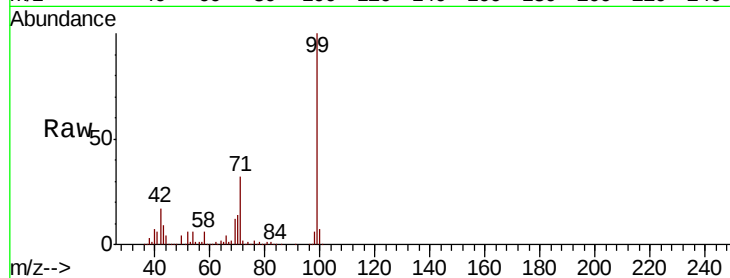
ClientSampleId :

TR-04-052919

Tot Ion:	99	Resp:	528440
Ion Ratio	Lower	Upper	
99	100		
42	16.9	14.7	22.1
71	31.8	26.6	40.0

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#21

Naphthalene-d8

Concen: 20.000 ng

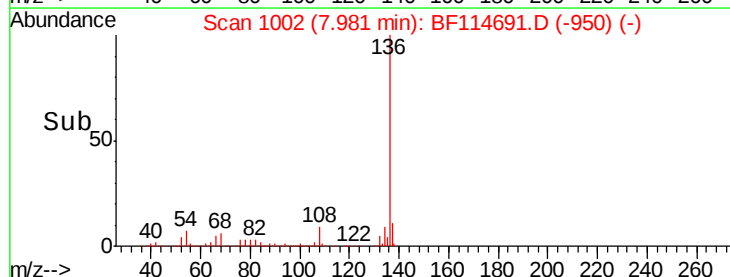
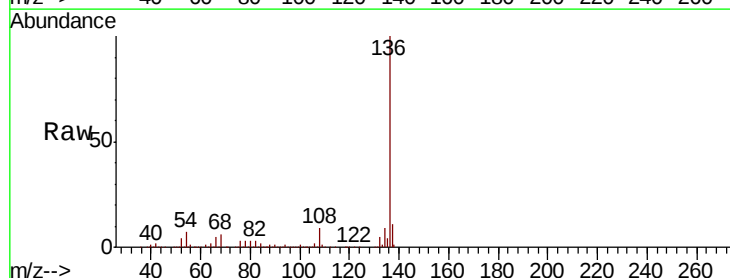
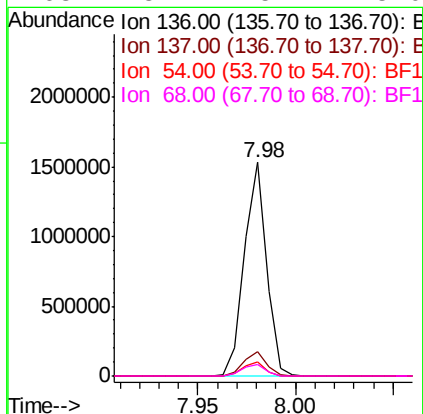
RT: 7.98 min Scan# 1002

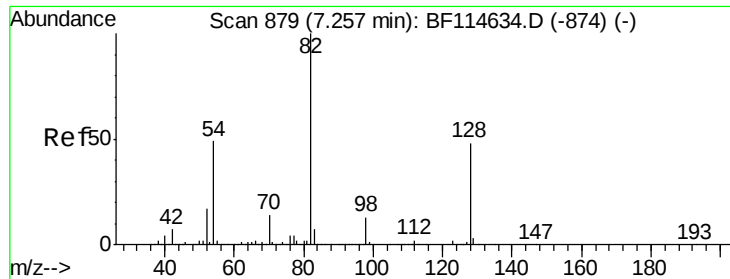
Delta R.T. 0.01 min

Lab File: BF114691.D

Acq: 31 May 2019 5:10

Tgt Ion:	136	Resp:	1212286
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.3	13.9
54	6.7	6.3	9.5
68	5.7	5.4	8.0





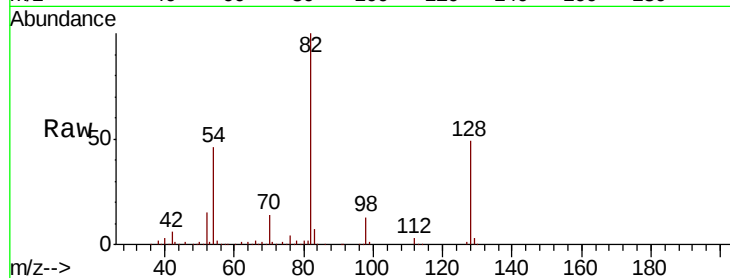
#23
Nitrobenzene-d5
Concen: 12.304 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF114691.D
Acq: 31 May 2019 5:10

Instrument :
BNA_F
ClientSampleId :
TR-04-052919

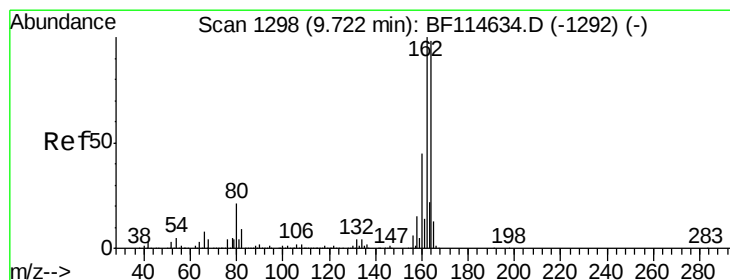
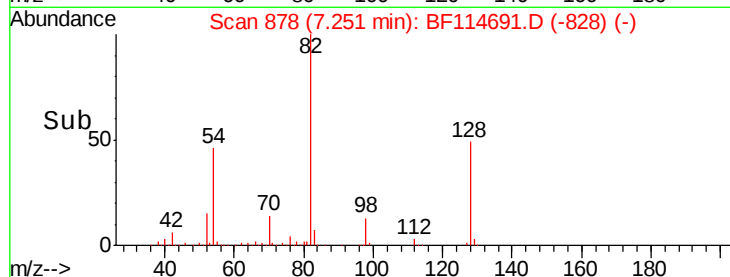
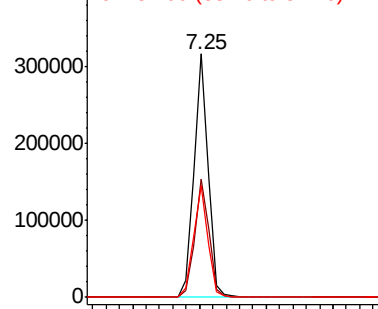
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.5	38.5	57.7
54	46.0	39.1	58.7

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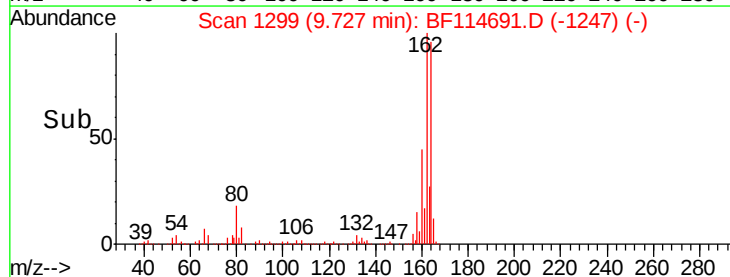
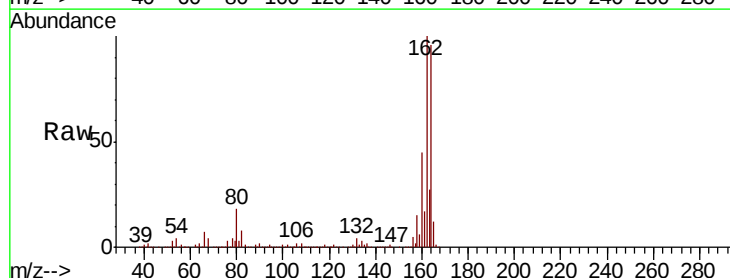
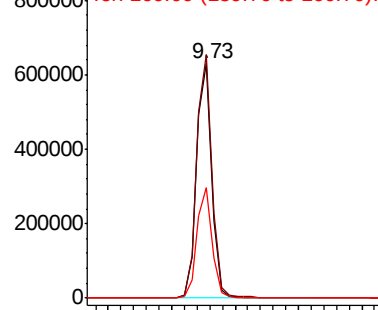
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

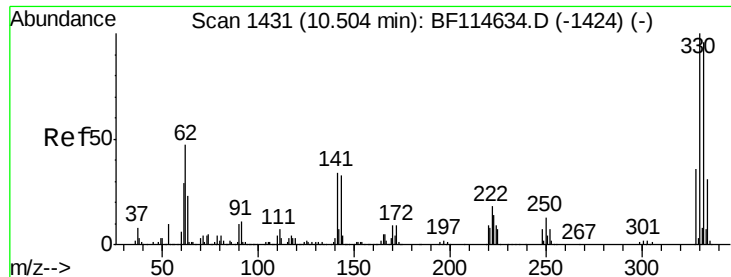


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1299
Delta R.T. 0.01 min
Lab File: BF114691.D
Acq: 31 May 2019 5:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	81.4	122.2
160	46.9	36.6	54.8

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





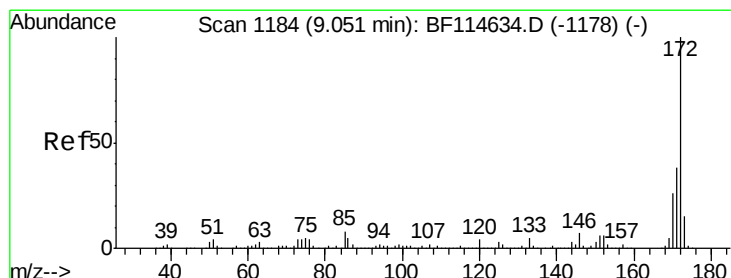
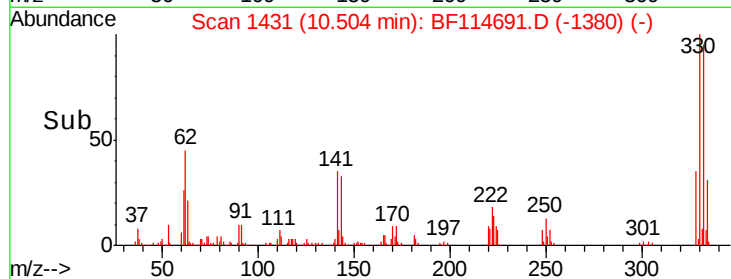
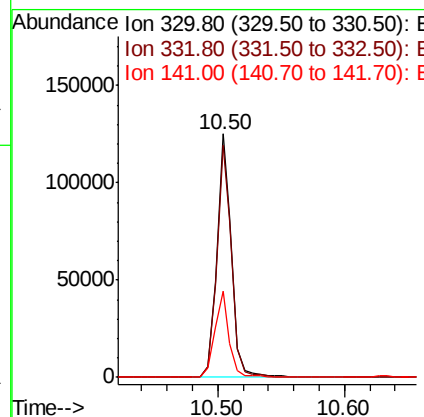
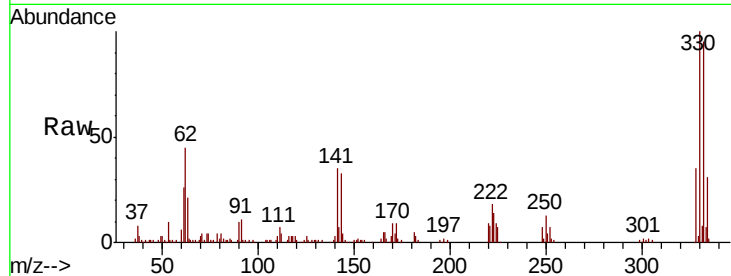
#42
 2,4,6-Tribromophenol
 Concen: 20.228 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: BF114691.D
 Acq: 31 May 2019 5:10

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-052919

Tot Ion	Ratio	Resp	Lower	Upper
330	100	101903		
332	95.9		75.8	113.8
141	35.0		27.8	41.8

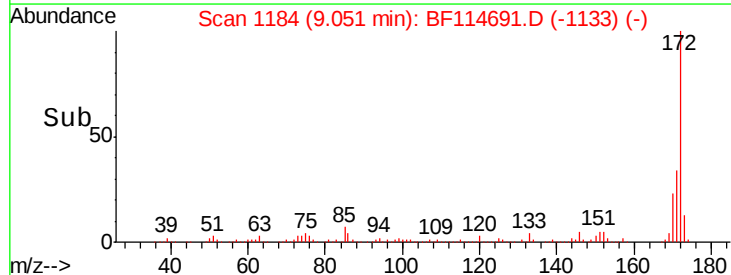
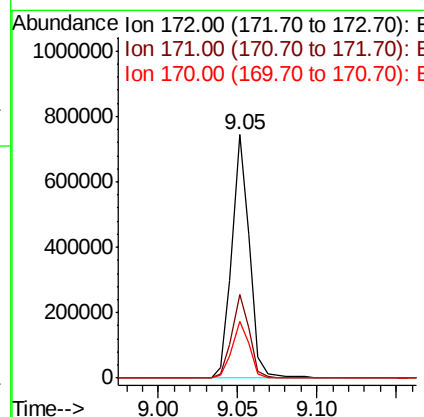
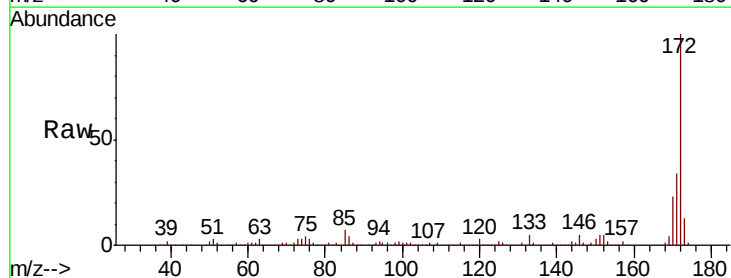
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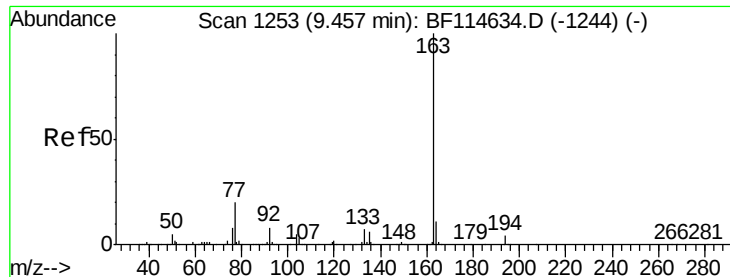
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#45
 2-Fluorobiphenyl
 Concen: 5.463 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF114691.D
 Acq: 31 May 2019 5:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	575180		
171	34.5		30.6	45.8
170	23.3		20.7	31.1





#50

Dimethylphthalate

Concen: 2.125 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BF114691.D

Acq: 31 May 2019 5:10

Instrument :

BNA_F

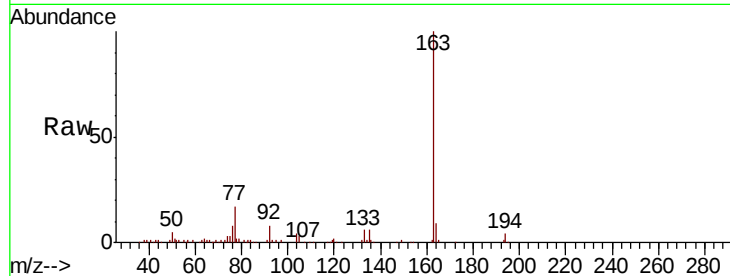
ClientSampleId :

TR-04-052919

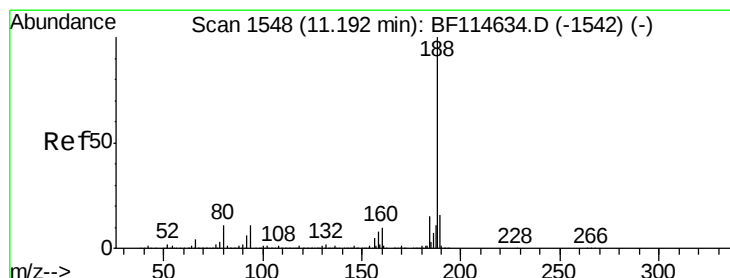
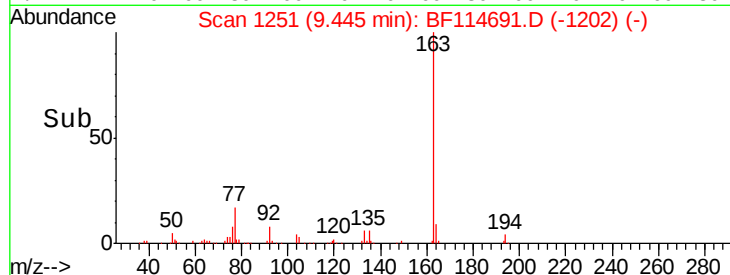
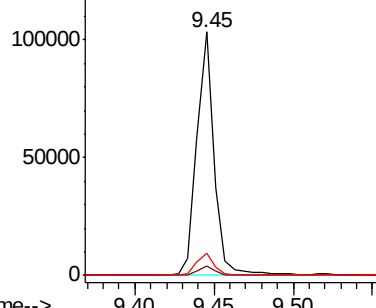
Tot Ion:	163	Resp:	78293
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.4	5.0
164	9.2	8.6	13.0

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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

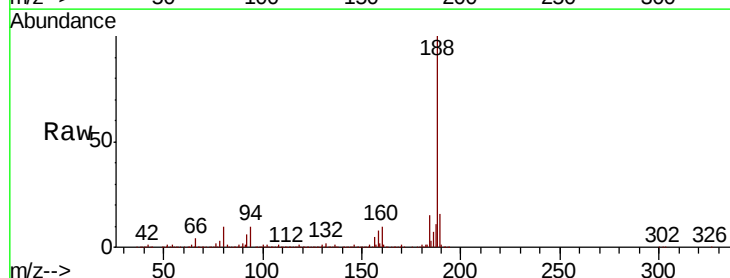
RT: 11.20 min Scan# 1549

Delta R.T. 0.01 min

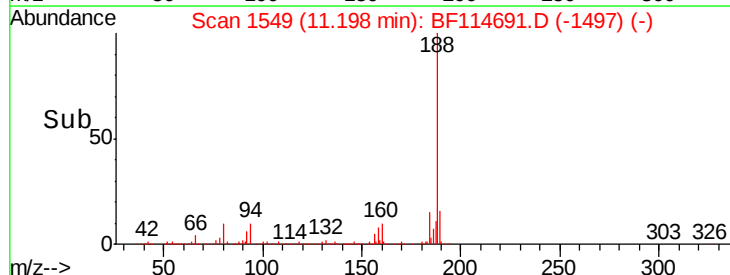
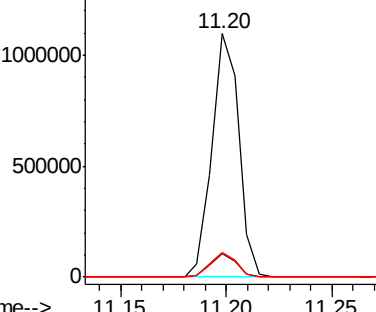
Lab File: BF114691.D

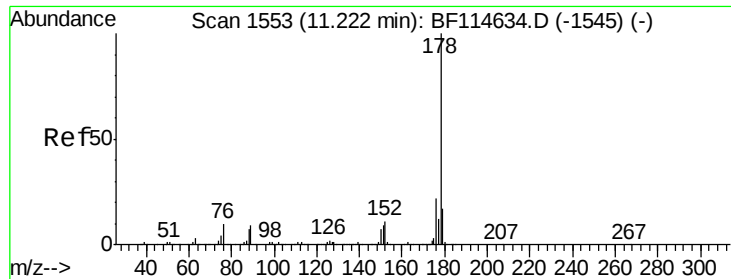
Acq: 31 May 2019 5:10

Tgt Ion:	188	Resp:	966345
Ion Ratio	Lower	Upper	
188	100		
94	9.6	8.6	13.0
80	10.4	9.0	13.6



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





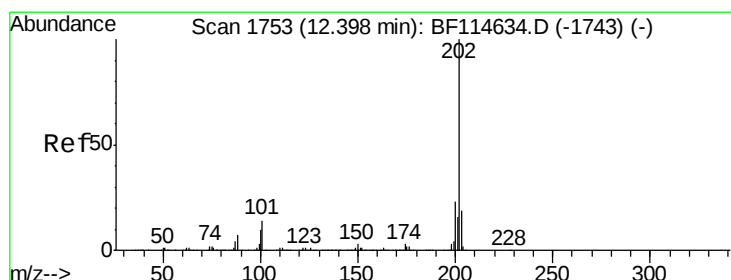
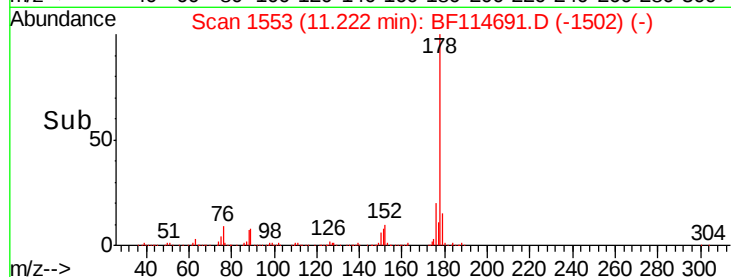
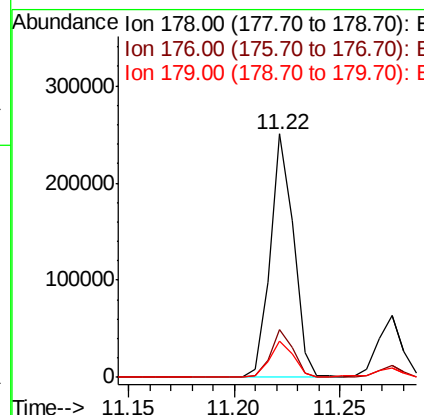
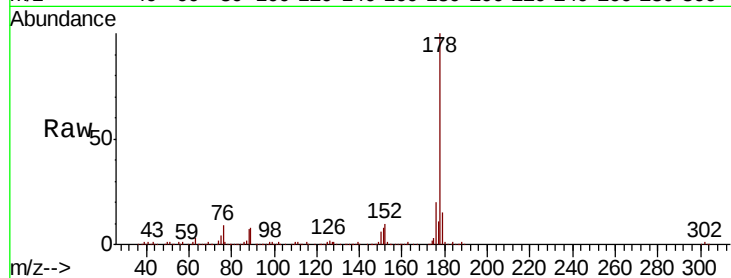
#71
Phenanthrene
Concen: 3.933 ng
RT: 11.22 min Scan# 1553
Delta R.T. 0.00 min
Lab File: BF114691.D
Acq: 31 May 2019 5:10

Instrument :
BNA_F
ClientSampleId :
TR-04-052919

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	17.2	25.8
179	15.1	13.9	20.9

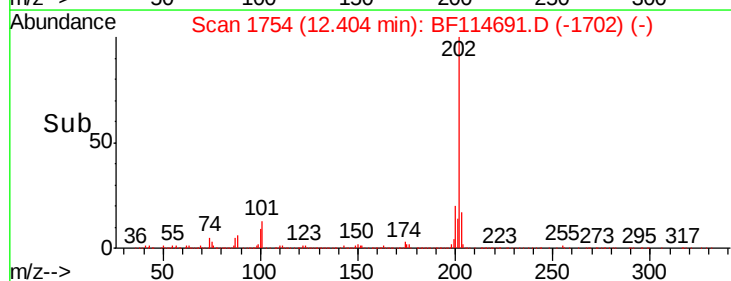
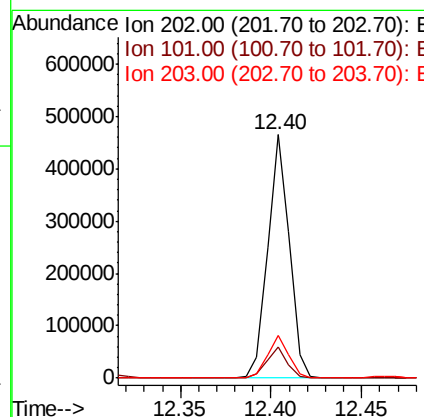
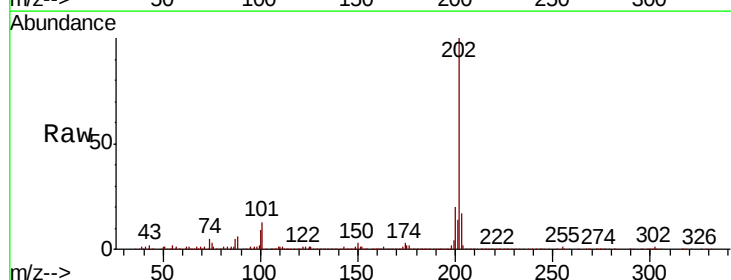
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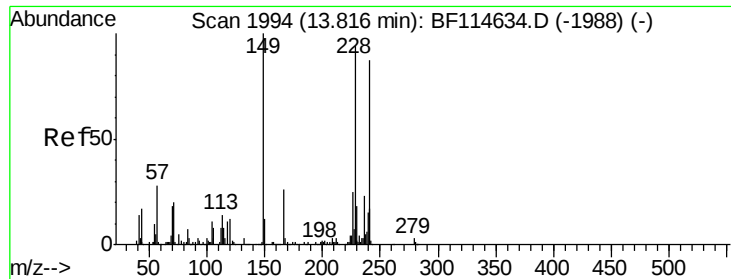
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#75
Fluoranthene
Concen: 7.523 ng
RT: 12.40 min Scan# 1754
Delta R.T. 0.01 min
Lab File: BF114691.D
Acq: 31 May 2019 5:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.9
203	17.4	0.0	39.1





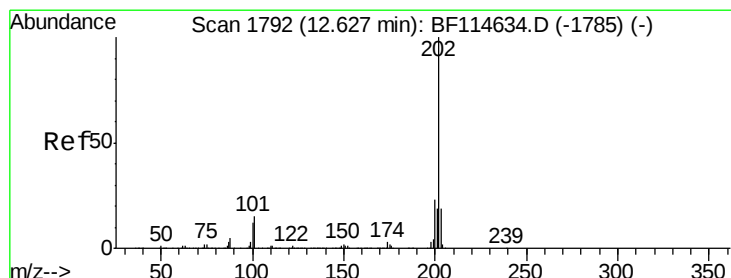
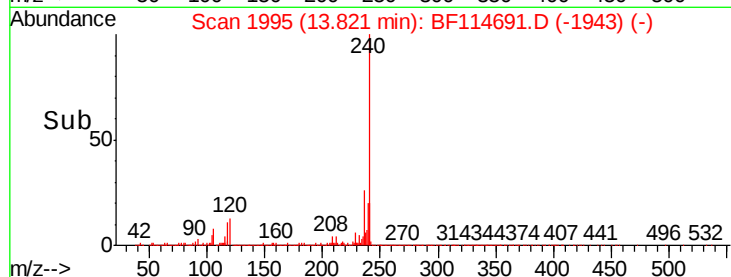
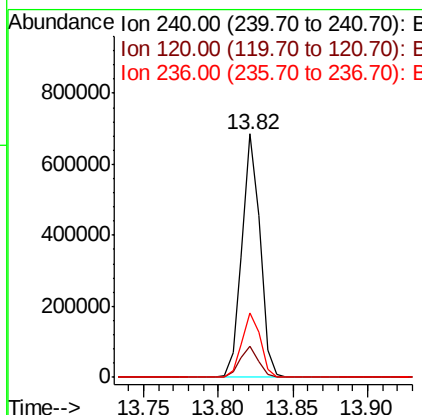
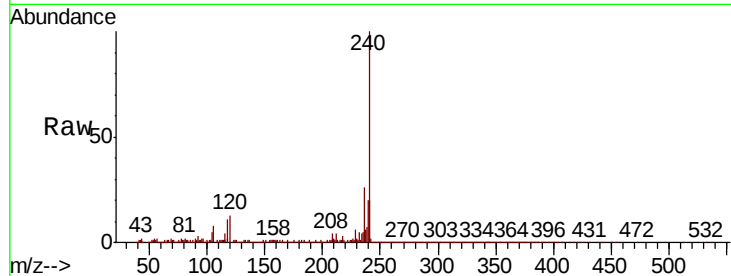
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1995
Delta R.T. 0.01 min
Lab File: BF114691.D
Acq: 31 May 2019 5:10

Instrument :
BNA_F
ClientSampleId :
TR-04-052919

Tot Ion	Ratio	Resp	Lower	Upper
240	100	577255		
120	13.0		11.2	16.8
236	26.3		21.2	31.8

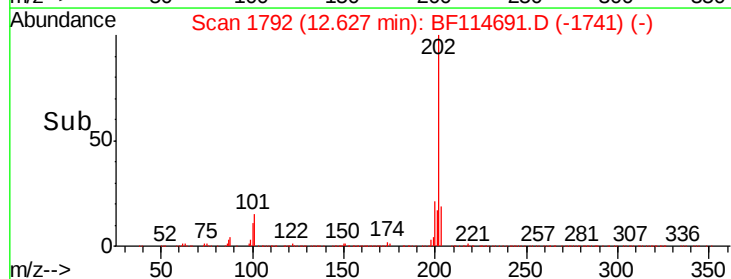
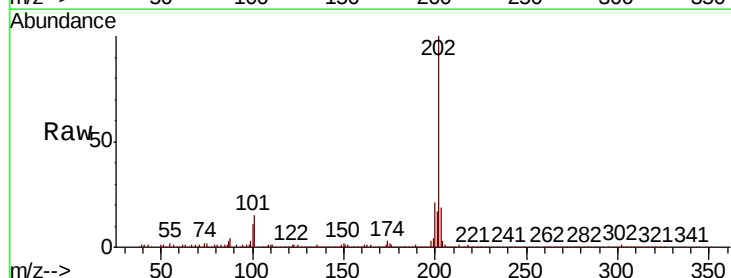
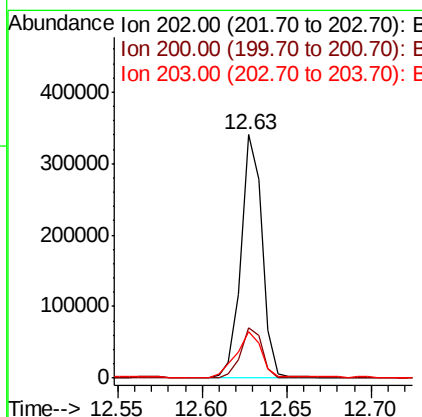
Manual Integrations
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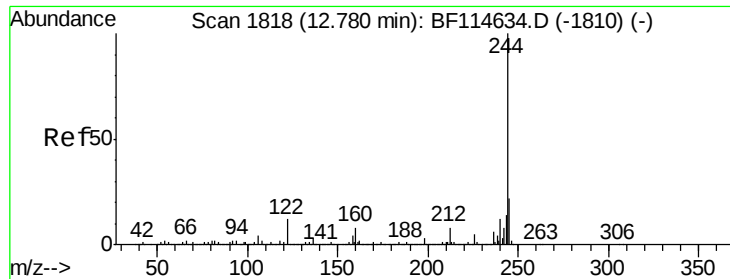
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#78
Pyrene
Concen: 6.030 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.00 min
Lab File: BF114691.D
Acq: 31 May 2019 5:10

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	294475		
200	20.7		18.6	28.0
203	18.9		15.4	23.2





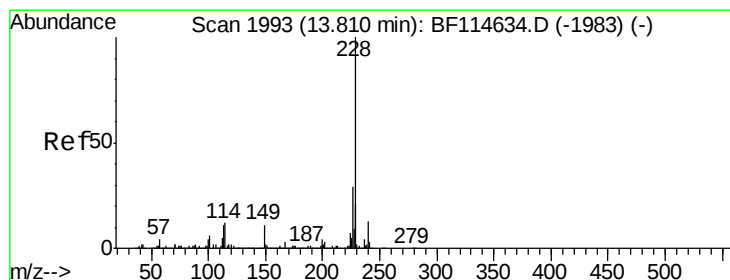
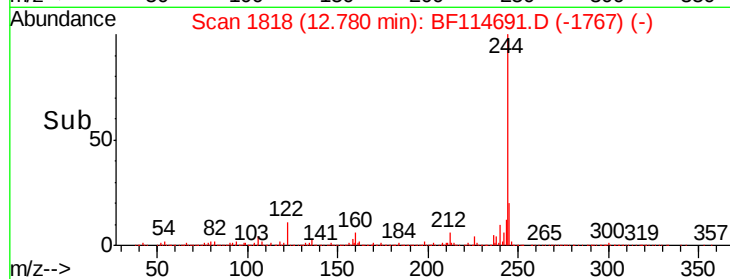
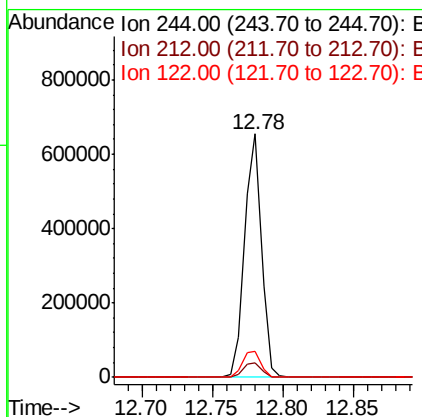
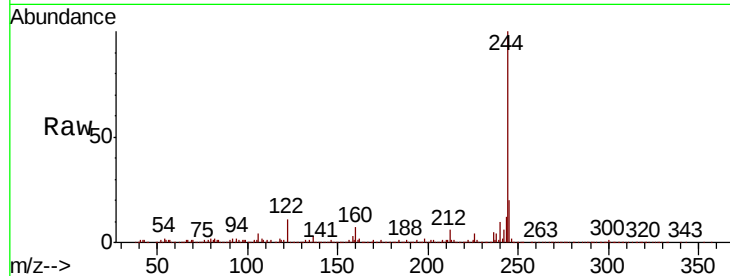
#79
 Terphenyl-d14
 Concen: 17.735 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: BF114691.D
 Acq: 31 May 2019 5:10

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-052919

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.1	6.1	9.1	
122	10.7	9.8	14.8	

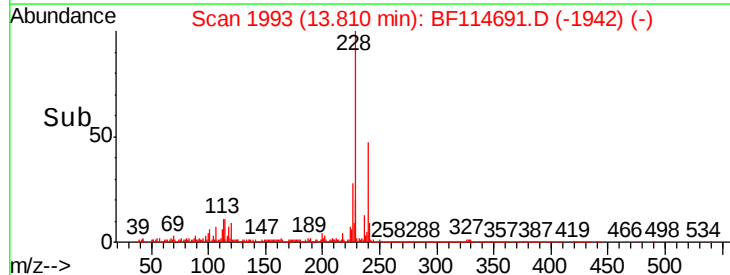
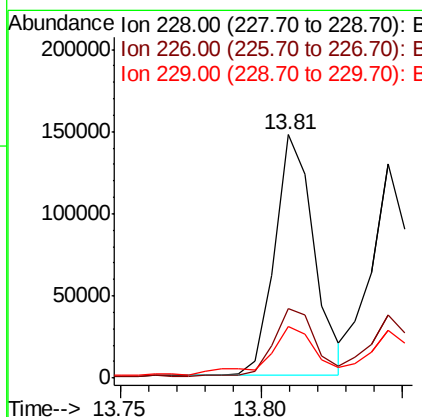
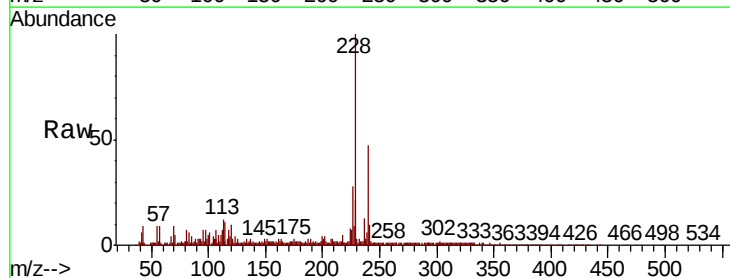
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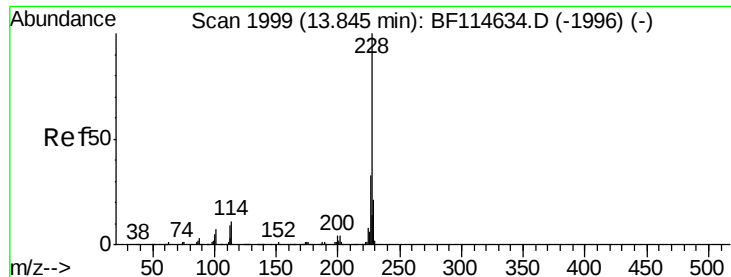
mohammad
 6/3/2019 8:48:10 AM



#81
 Benzo(a)anthracene
 Concen: 3.204 ng
 RT: 13.81 min Scan# 1993
 Delta R.T. -0.00 min
 Lab File: BF114691.D
 Acq: 31 May 2019 5:10

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	28.4	23.0	34.6	
229	21.3	17.0	25.4	





#83

Chrysene

Concen: 2.797 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BF114691.D

Acq: 31 May 2019 5:10

Instrument :

BNA_F

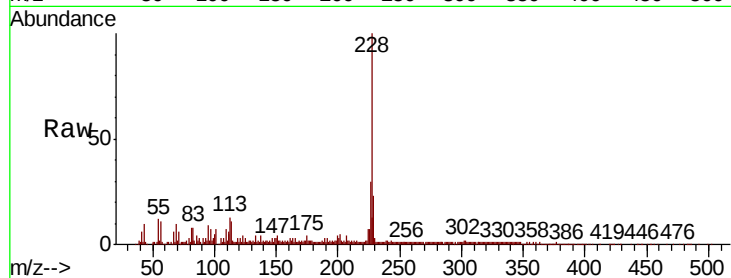
ClientSampleId :

TR-04-052919

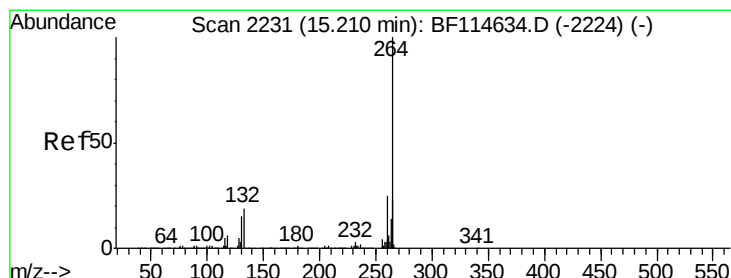
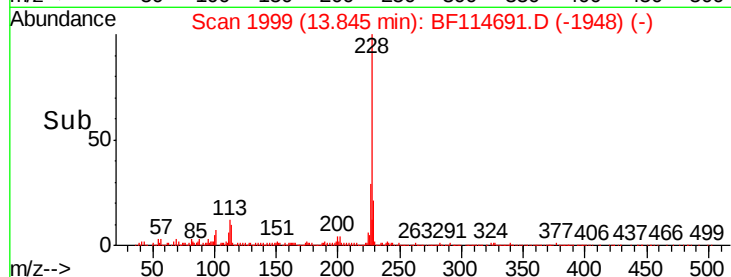
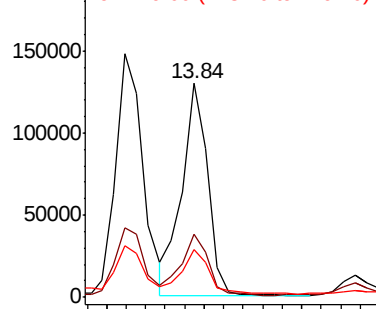
Tot Ion:	228	Resp:	118557
Ion Ratio	Lower	Upper	
228	100		
226	29.8	26.4	39.6
229	22.5	17.1	25.7

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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



#87

Perylene-d12

Concen: 20.000 ng

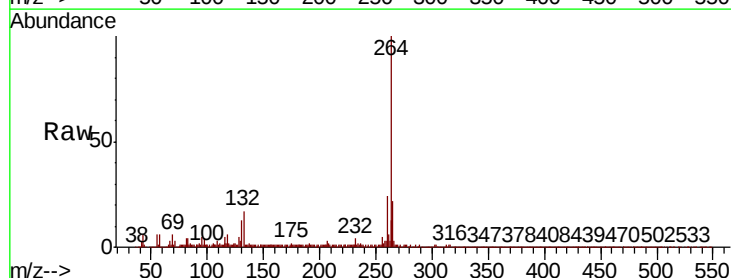
RT: 15.22 min Scan# 2232

Delta R.T. 0.01 min

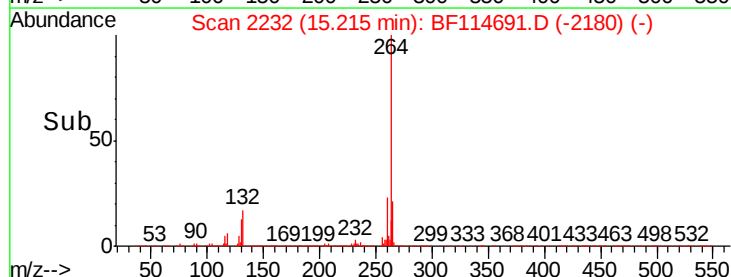
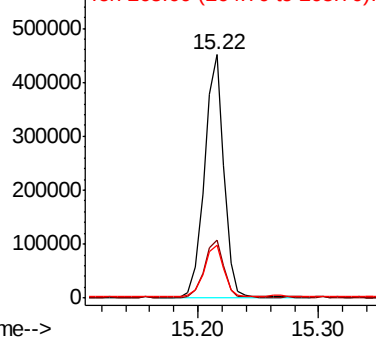
Lab File: BF114691.D

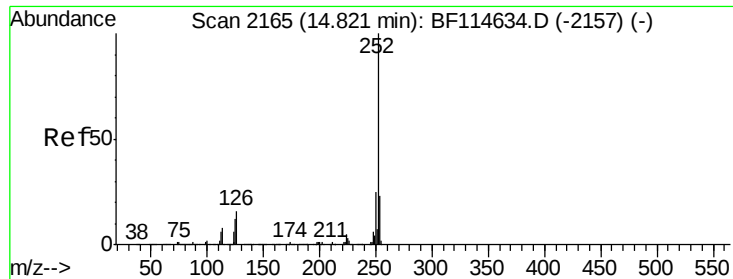
Acq: 31 May 2019 5:10

Tgt Ion:	264	Resp:	501172
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.7	29.5
265	21.9	18.1	27.1



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: 4.251 ng m

RT: 14.82 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BF114691.D

Acq: 31 May 2019 5:10

Instrument :

BNA_F

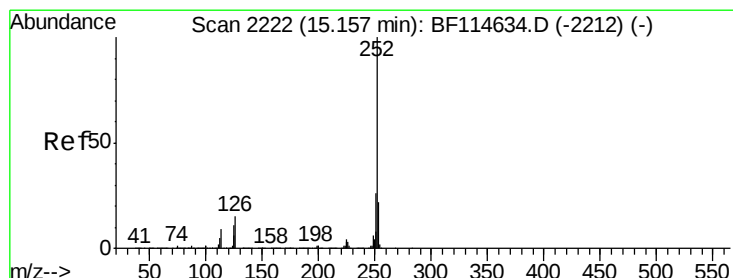
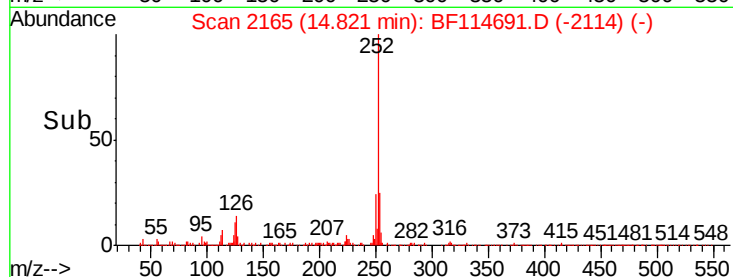
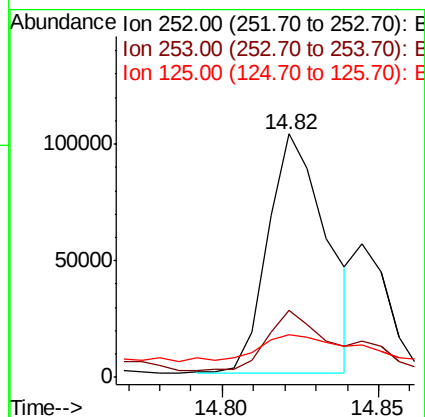
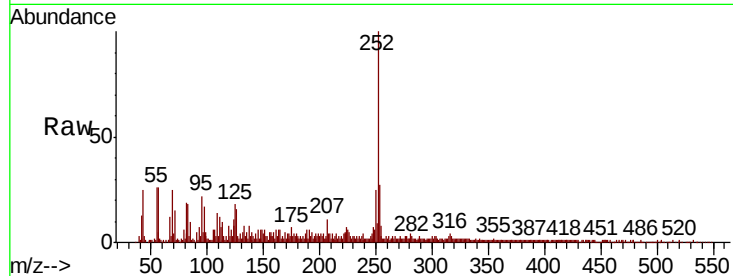
ClientSampleId :

TR-04-052919

Tot Ion:	252	Resp:	134195
Ion Ratio	Lower	Upper	
252	100		
253	27.5	18.7	28.1
125	17.6	9.4	14.2#

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#90

Benzo(a)pyrene

Concen: 3.038 ng

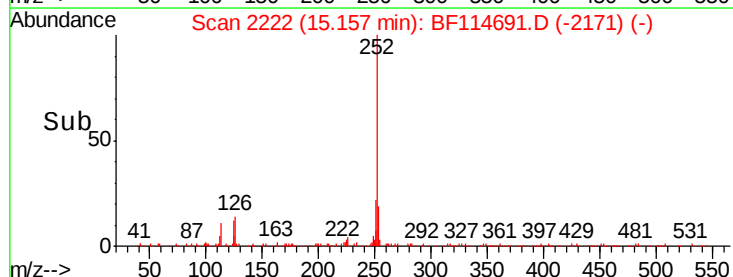
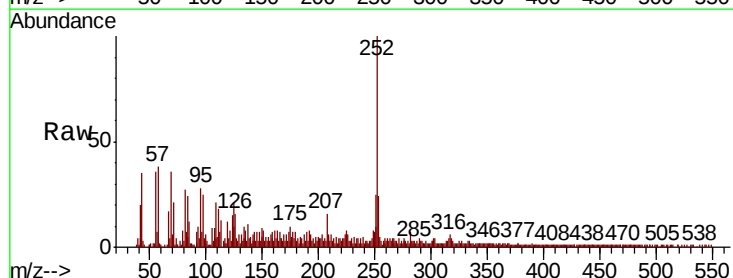
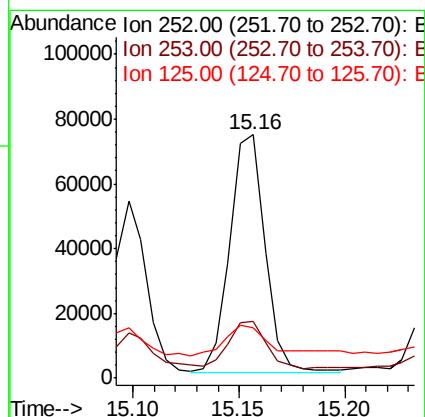
RT: 15.16 min Scan# 2222

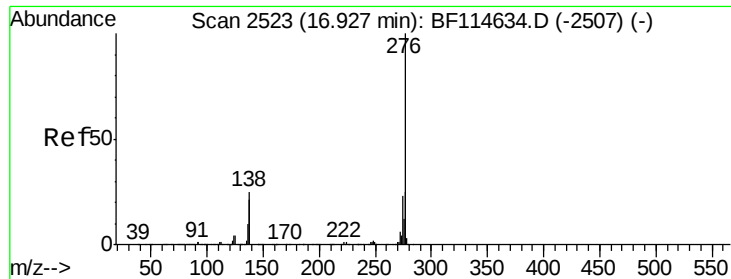
Delta R.T. -0.00 min

Lab File: BF114691.D

Acq: 31 May 2019 5:10

Tgt Ion:	252	Resp:	84247
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.0	27.0
125	20.5	9.2	13.8#





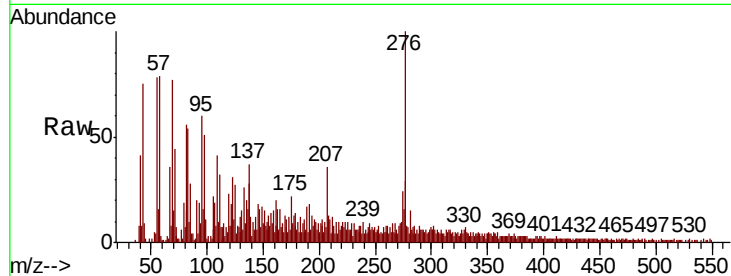
#92
 Benzo(a,h,i)perylene
 Concen: 2.778 ng
 RT: 16.93 min Scan# 2524
 Delta R.T. 0.01 min
 Lab File: BF114691.D
 Acq: 31 May 2019 5:10

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-052919

Tot Ion:	276	Resp:	66069
Ion Ratio		Lower	Upper
276	100		
277	29.0	19.7	29.5
138	27.6	19.8	29.8

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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

