

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
 Data File : BF113571.D
 Acq On : 4 Apr 2019 4:47
 Operator : JU/SJ
 Sample : K2199-03 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-040219-B

Manual Integrations
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 4/4/2019 10:58:13 AM

Quant Time: Apr 04 07:49:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	105196	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	360962	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	155111	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	320951	20.00	ng	0.00
76) Chrysene-d12	13.84	240	289355	20.00	ng	0.00
87) Perylene-d12	15.26	264	211558	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	128583	20.84	ng	0.00
7) Phenol-d6	6.33	99	171560	22.56	ng	0.00
23) Nitrobenzene-d5	7.25	82	84638	13.73	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	40994	22.00	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	179389	18.62	ng	0.00
79) Terphenyl-d14	12.79	244	222087	15.63	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.23	178	148158	9.290	ng	97
72) Anthracene	11.28	178	45511	2.805	ng	99
75) Fluoranthene	12.42	202	244575	14.311	ng	99
78) Pyrene	12.64	202	220411	10.011	ng	97
81) Benzo(a)anthracene	13.83	228	91202	5.464	ng	99
83) Chrysene	13.87	228	87945	5.198	ng	98
86) Indeno(1,2,3-cd)pyrene	16.63	276	36617	2.344	ng	96
88) Benzo(b)fluoranthene	14.86	252	90411m	6.982	ng	
89) Benzo(k)fluoranthene	14.88	252	25349m	2.181	ng	
90) Benzo(a)pyrene	15.20	252	61099	5.310	ng	# 94
92) Benzo(g,h,i)perylene	17.03	276	35970	3.275	ng	# 94

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

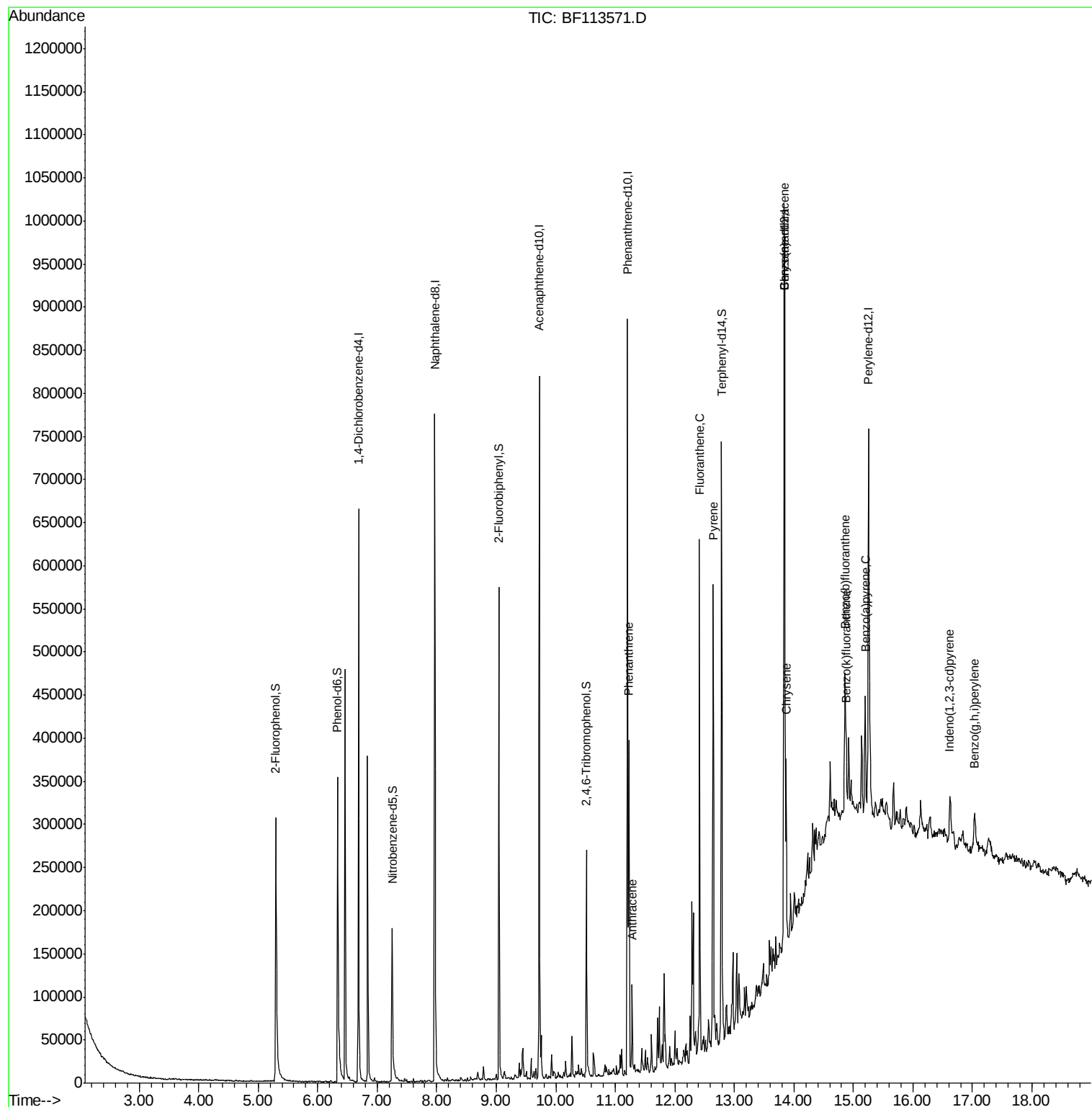
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113571.D
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Sample : K2199-03 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

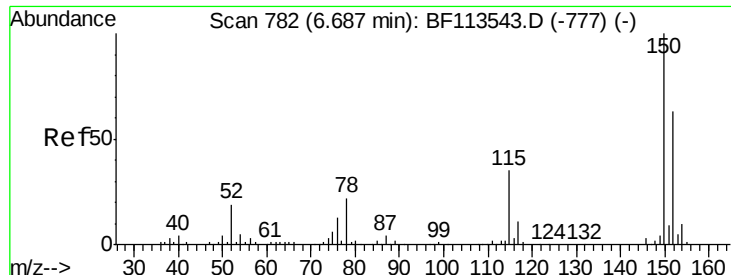
Instrument :
BNA_F
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OR-02-040219-B

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
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#1

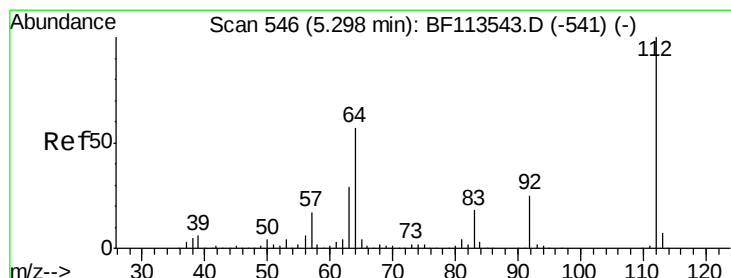
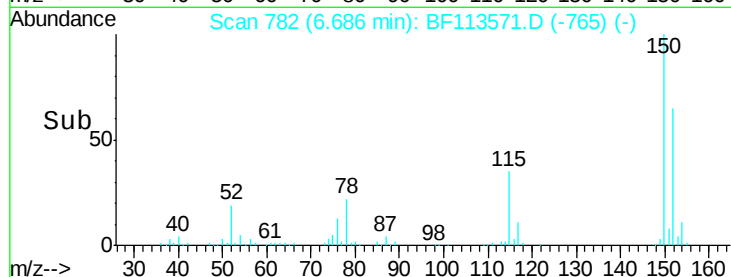
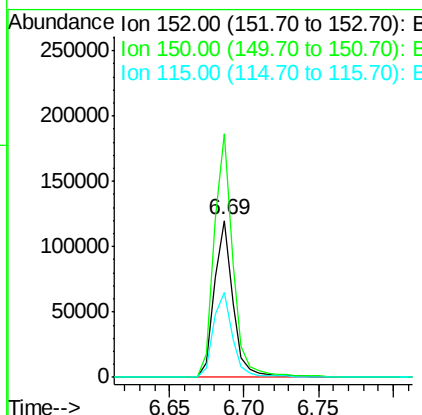
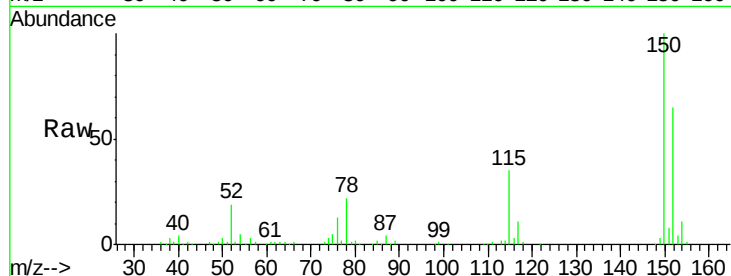
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.00 min
Lab File: BF113571.D
Acq: 4 Apr 2019 4:47

Instrument :
BNA_F
ClientSampleId :
OR-02-040219-B

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.7	187.1
115	54.1	46.0	69.0

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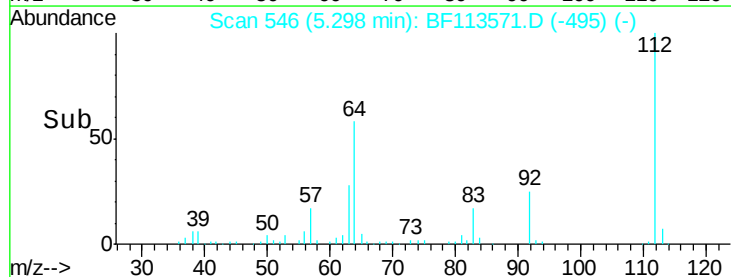
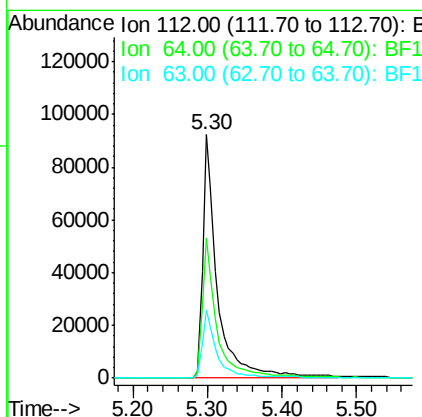
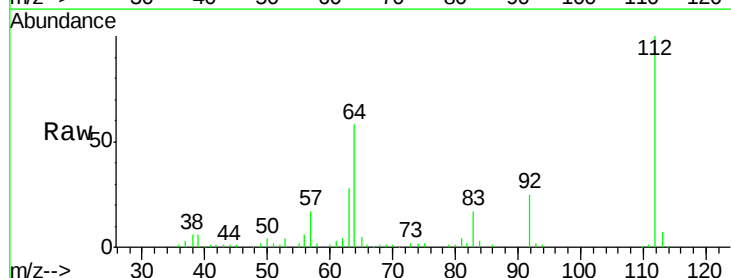
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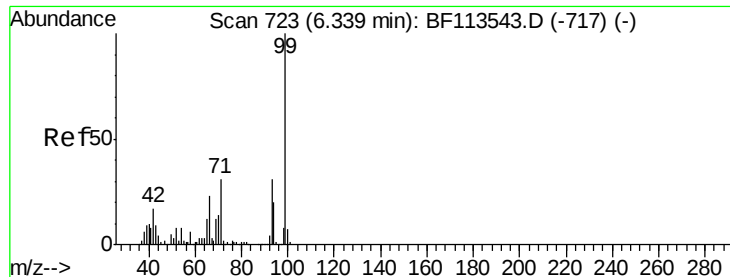


#5

2-Fluorophenol
Concen: 20.843 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.00 min
Lab File: BF113571.D
Acq: 4 Apr 2019 4:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	49.2	73.8
63	27.8	24.9	37.3





#7

Phenol-d6

Concen: 22.564 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113571.D

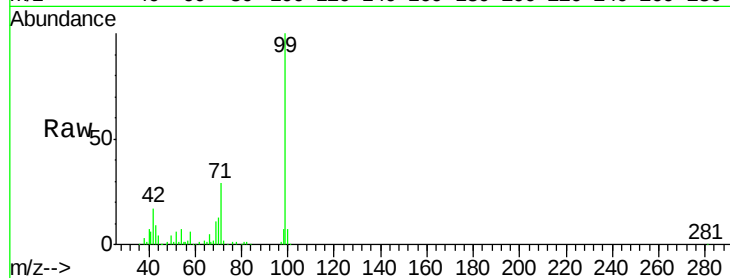
Acq: 4 Apr 2019 4:47

Instrument :

BNA_F

ClientSampleId :

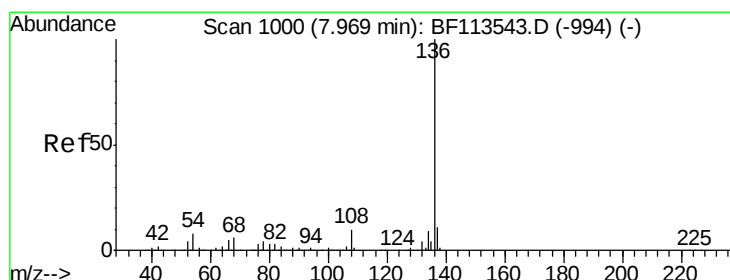
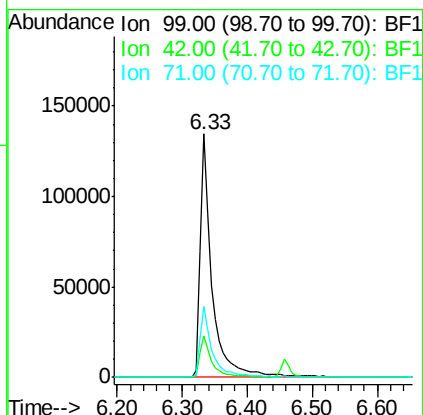
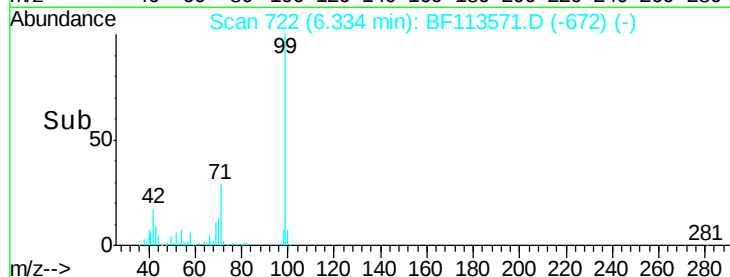
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Tgt Ion:	99	Resp:	171560
Ion	Ratio	Lower	Upper
99	100		
42	17.2	14.8	22.2
71	28.9	24.9	37.3

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#21

Naphthalene-d8

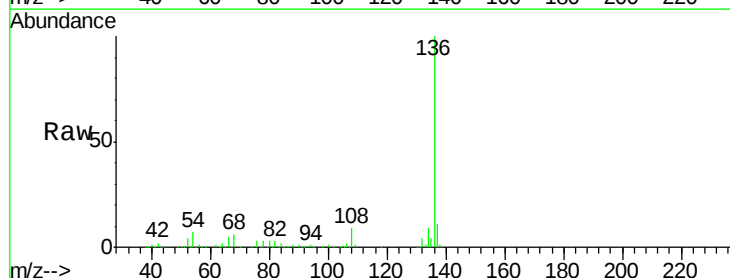
Concen: 20.000 ng

RT: 7.97 min Scan# 1000

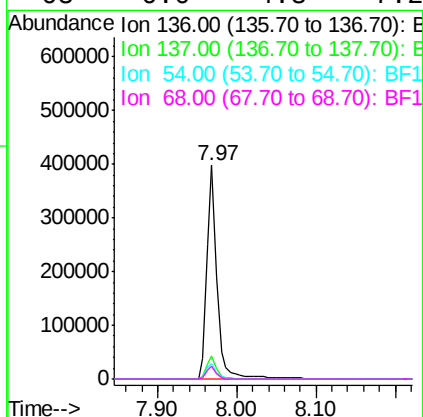
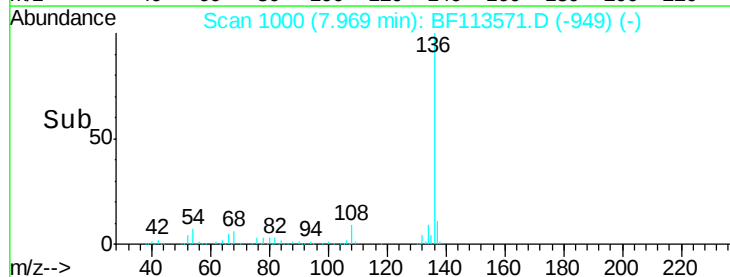
Delta R.T. -0.00 min

Lab File: BF113571.D

Acq: 4 Apr 2019 4:47



Tgt Ion:	136	Resp:	360962
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.4	7.0	10.6
68	6.0	4.8	7.2





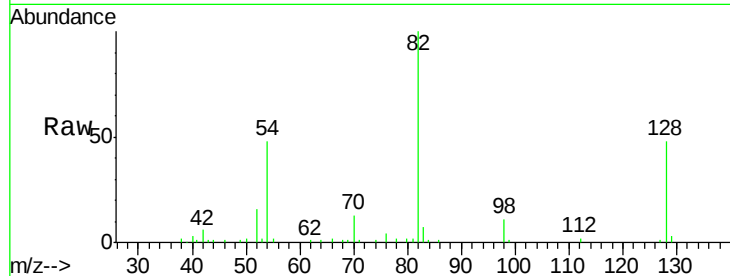
#23
Nitrobenzene-d5
Concen: 13.735 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF113571.D
Acq: 4 Apr 2019 4:47

Instrument :
BNA_F
ClientSampleId :
OR-02-040219-B

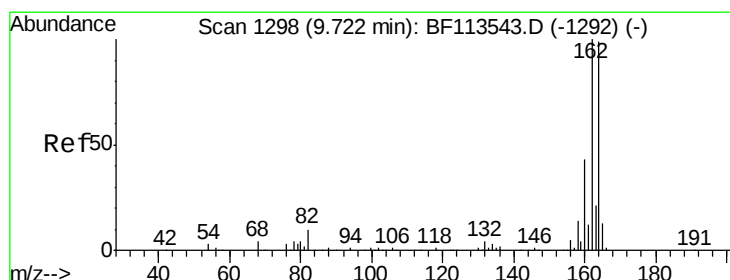
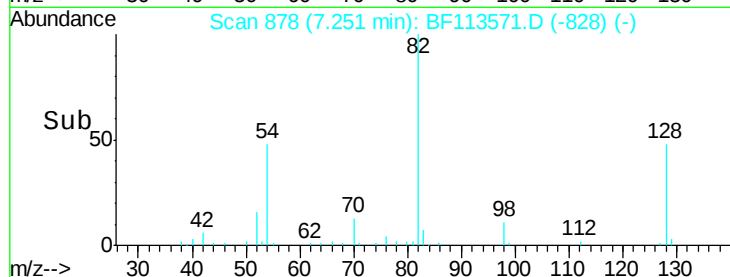
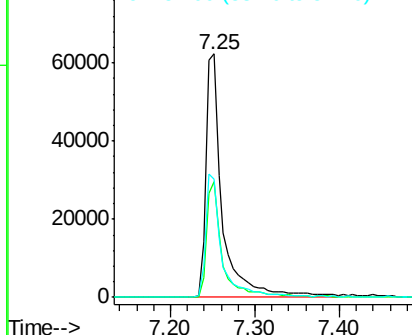
Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.6	36.5	54.7
54	48.4	42.2	63.2

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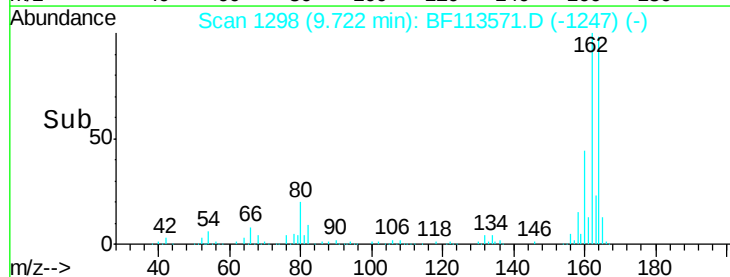
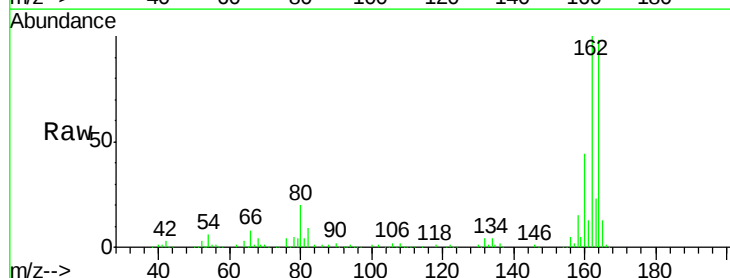
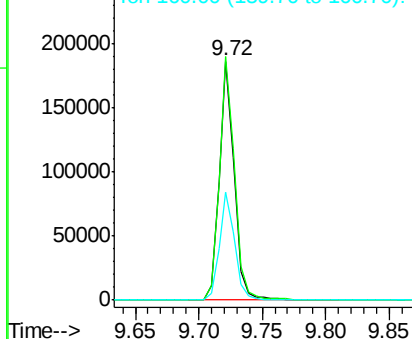
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BF113571.D
Acq: 4 Apr 2019 4:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.8	122.6
160	45.1	36.4	54.6

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





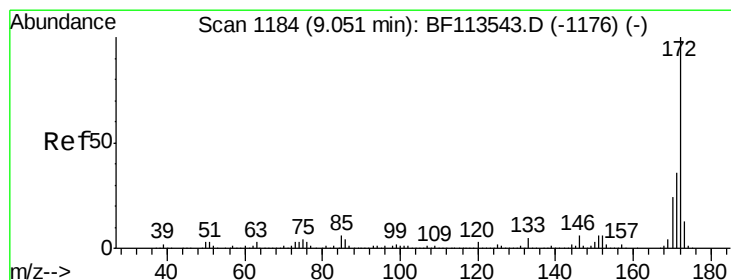
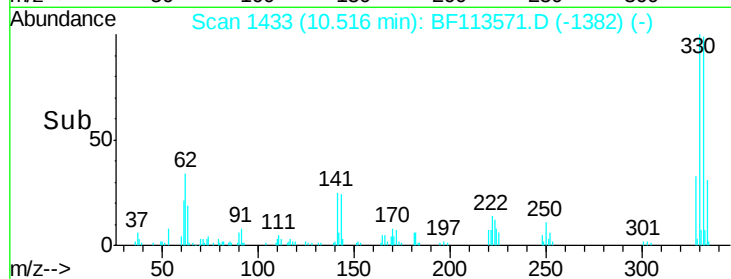
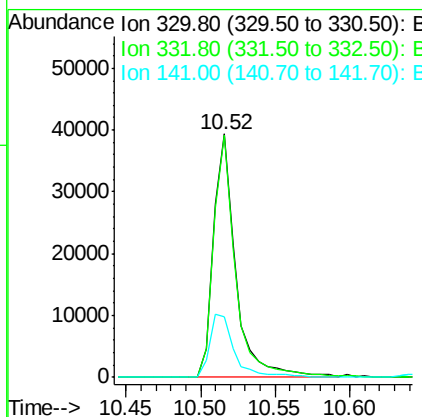
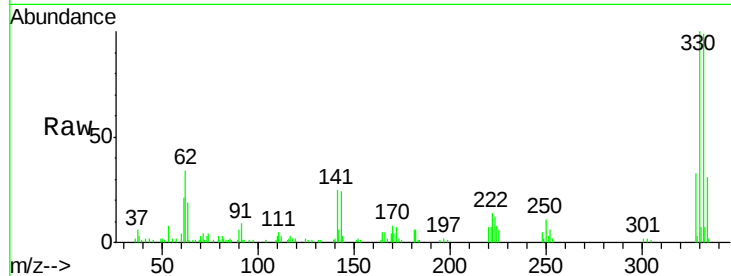
#42
 2,4,6-Tribromophenol
 Concen: 22.001 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: BF113571.D
 Acq: 4 Apr 2019 4:47

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-040219-B

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	40994		
332	98.7	77.8	116.6	
141	28.7	22.7	34.1	

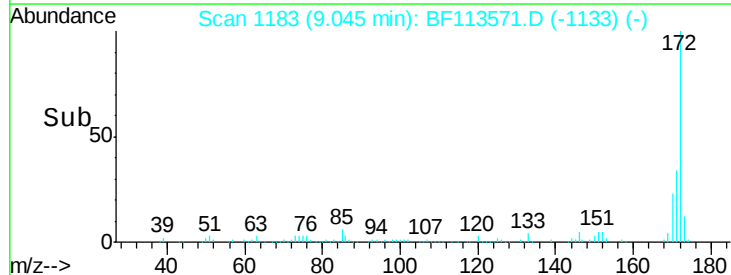
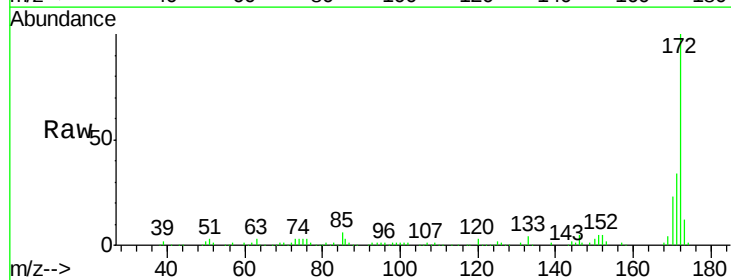
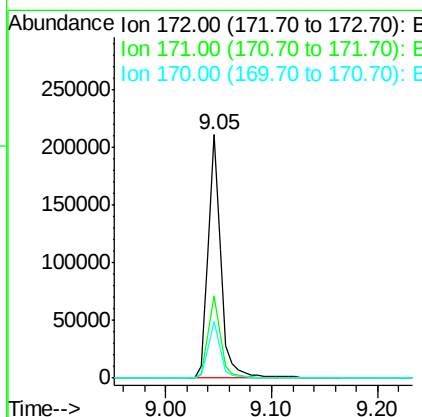
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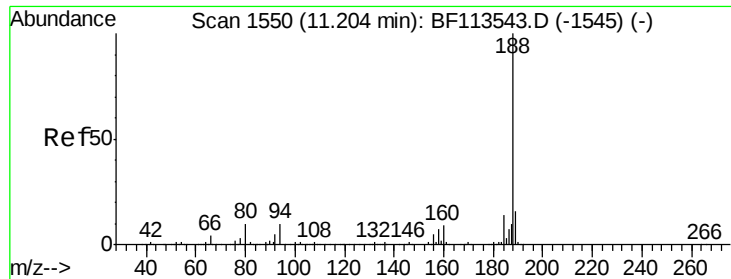
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#45
 2-Fluorobiphenyl
 Concen: 18.619 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF113571.D
 Acq: 4 Apr 2019 4:47

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	179389		
171	33.9	29.0	43.6	
170	23.3	19.5	29.3	





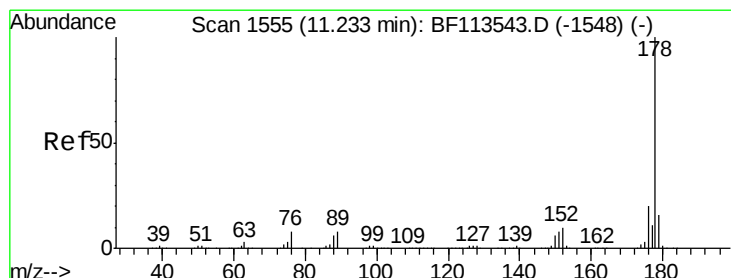
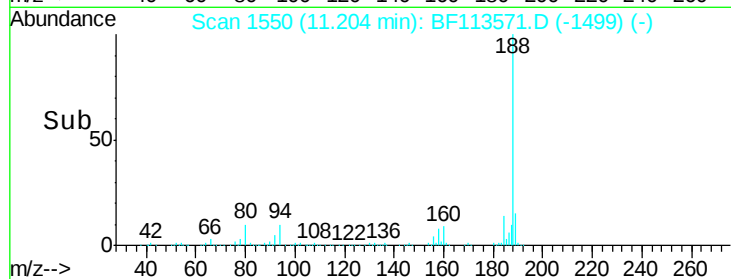
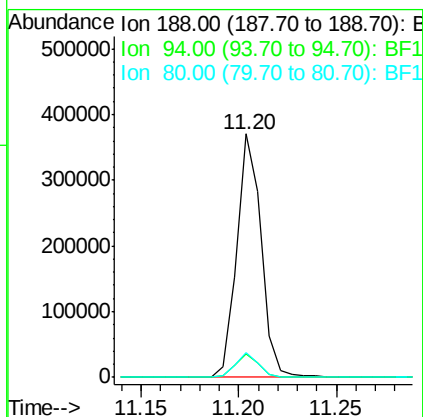
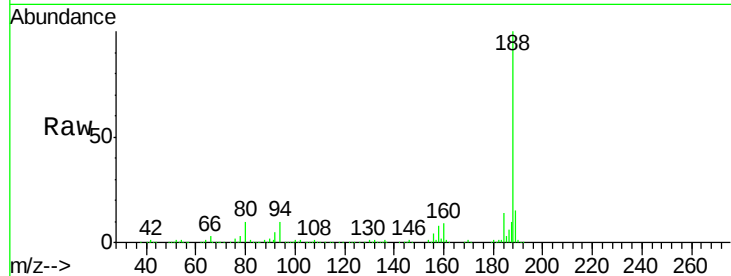
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.00 min
Lab File: BF113571.D
Acq: 4 Apr 2019 4:47

Instrument :
BNA_F
ClientSampleId :
OR-02-040219-B

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	320951		
94	9.8	7.0	10.6	
80	10.0	7.7	11.5	

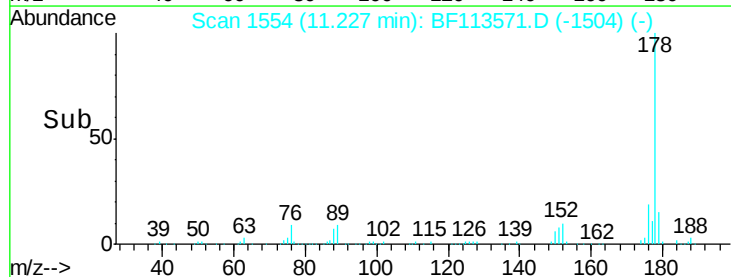
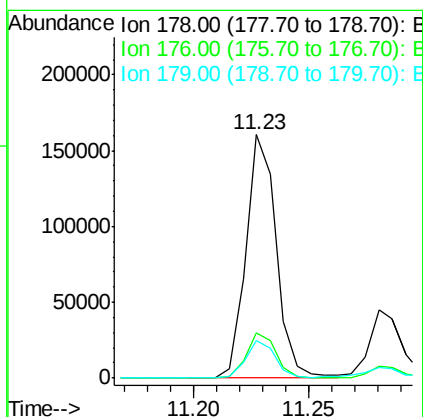
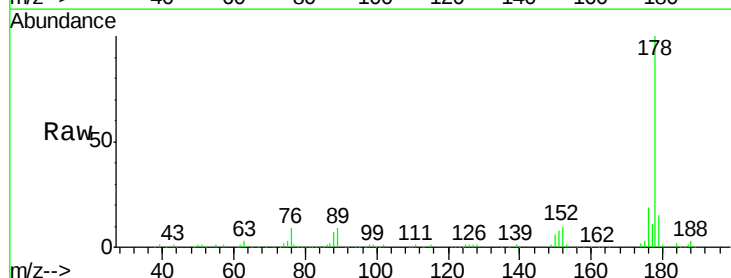
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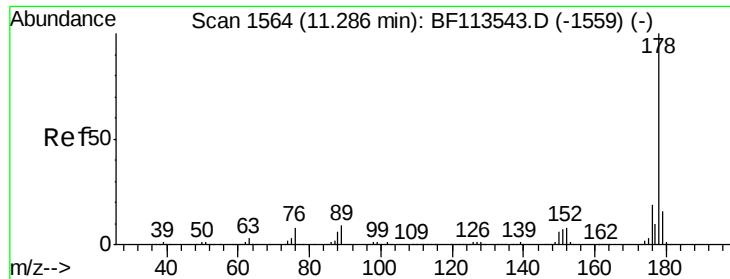
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#71
Phenanthrene
Concen: 9.290 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF113571.D
Acq: 4 Apr 2019 4:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	148158		
176	18.6	16.2	24.2	
179	15.2	12.7	19.1	





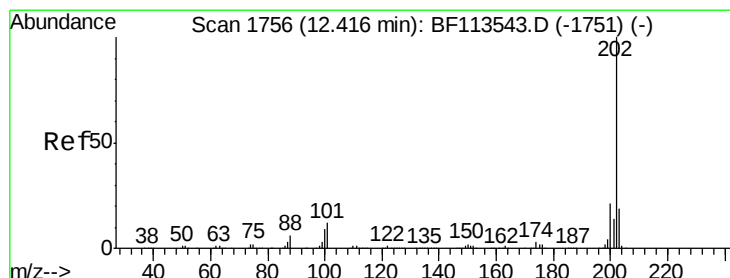
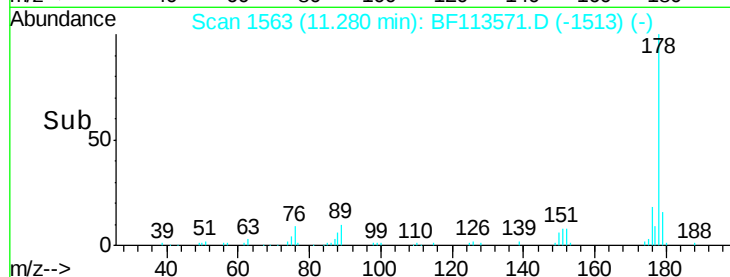
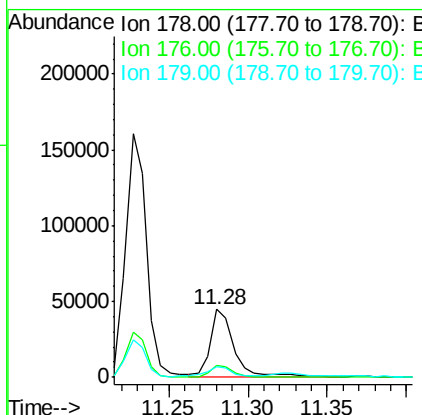
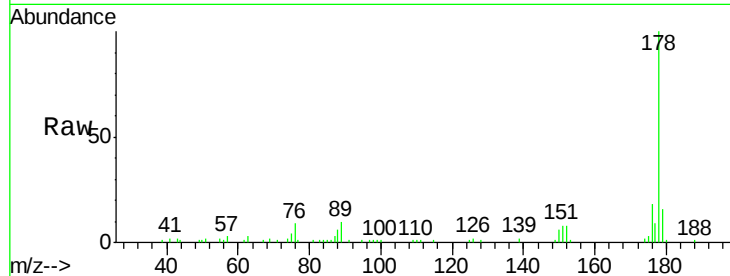
#72
 Anthracene
 Concen: 2.805 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF113571.D
 Acq: 4 Apr 2019 4:47

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-040219-B

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	16.3	12.8	19.2

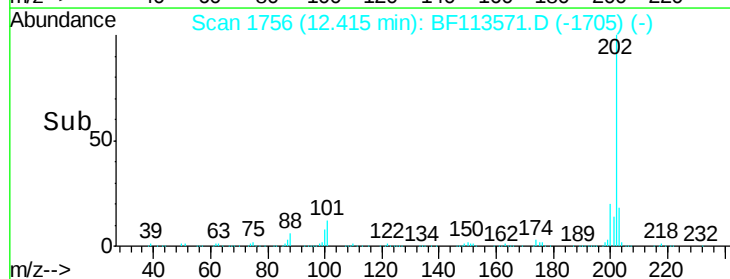
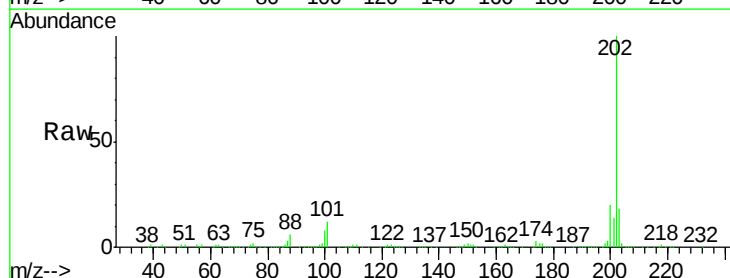
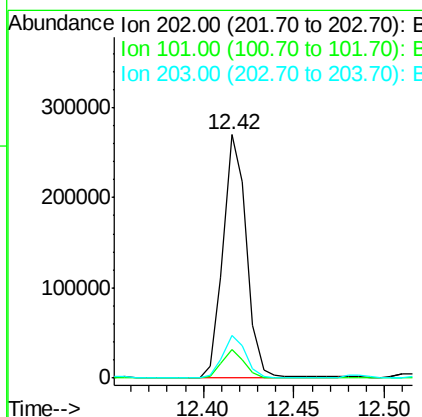
Manual Integrations
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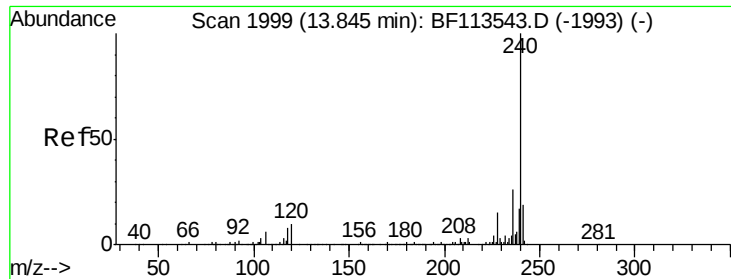
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#75
 Fluoranthene
 Concen: 14.311 ng
 RT: 12.42 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: BF113571.D
 Acq: 4 Apr 2019 4:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.4
203	17.6	0.0	38.0





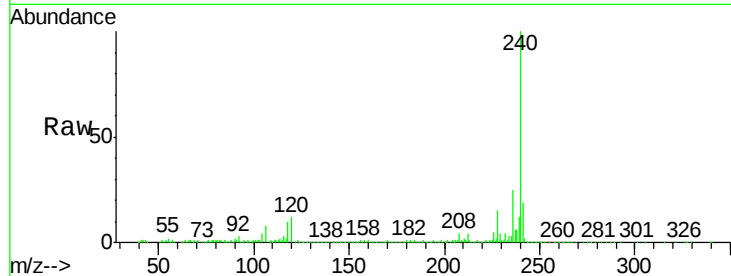
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113571.D
Acq: 4 Apr 2019 4:47

Instrument :
BNA_F
ClientSampleId :
OR-02-040219-B

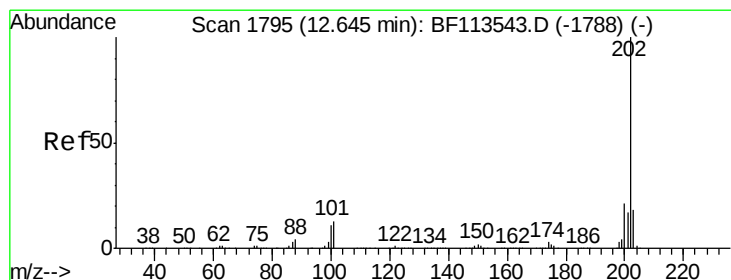
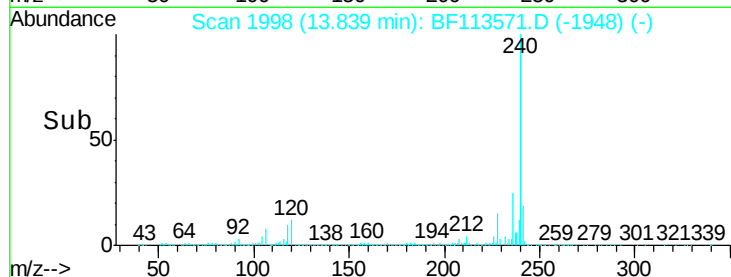
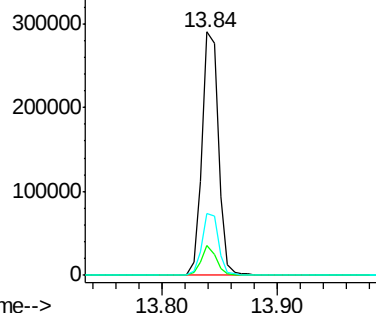
Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	12.0	8.8	13.2
236	25.4	20.9	31.3

Manual Integrations
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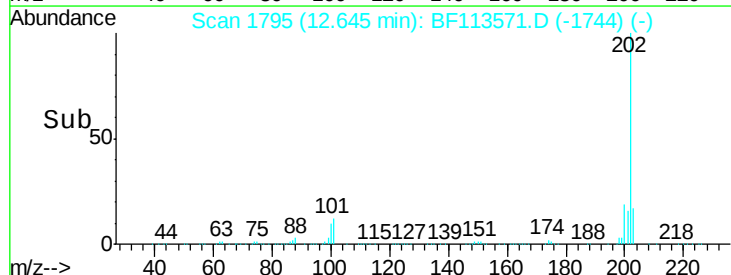
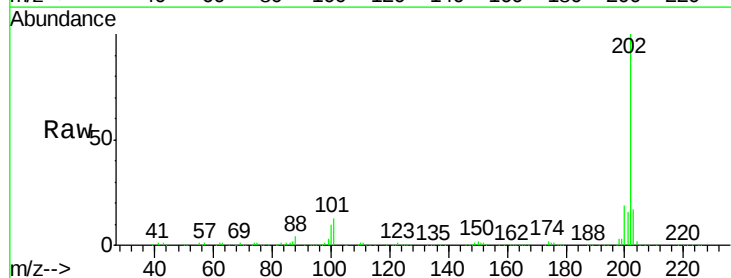
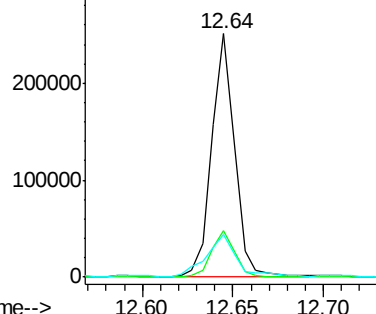
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

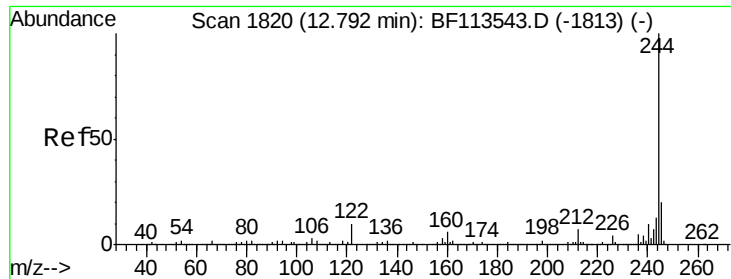


#78
Pyrene
Concen: 10.011 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.00 min
Lab File: BF113571.D
Acq: 4 Apr 2019 4:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.3	16.8	25.2
203	17.4	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: 15.627 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF113571.D

Acq: 4 Apr 2019 4:47

Instrument :

BNA_F

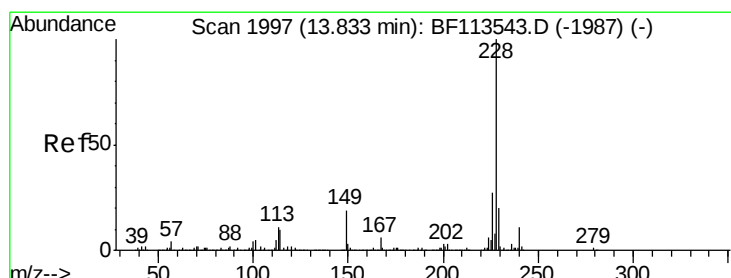
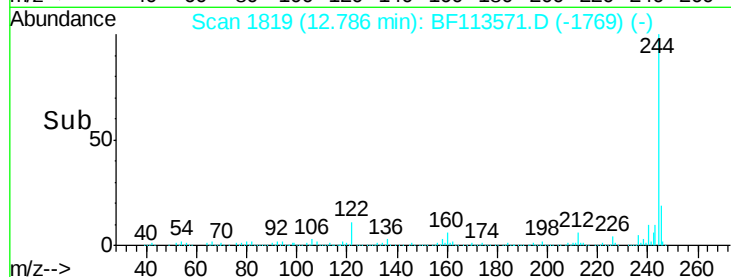
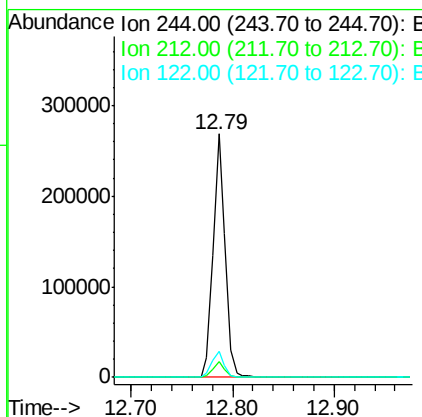
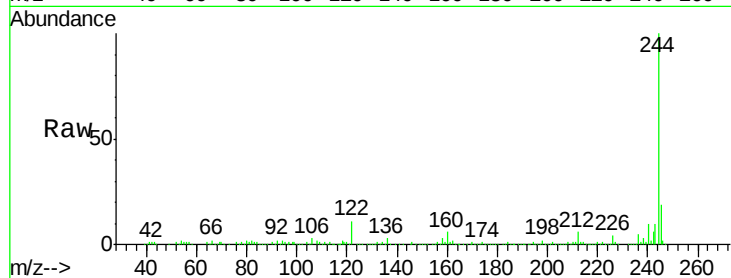
ClientSampleId :

OR-02-040219-B

Tgt Ion:	244	Resp:	222087
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.5	8.3
122	10.8	8.6	13.0

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#81

Benzo(a)anthracene

Concen: 5.464 ng

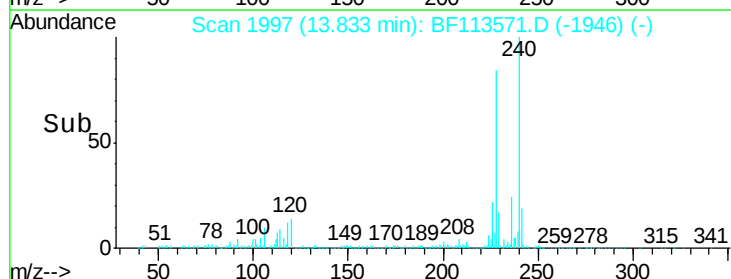
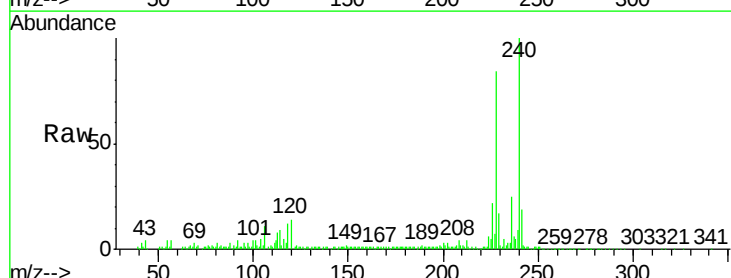
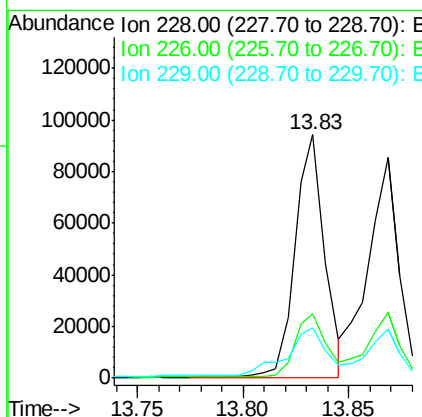
RT: 13.83 min Scan# 1997

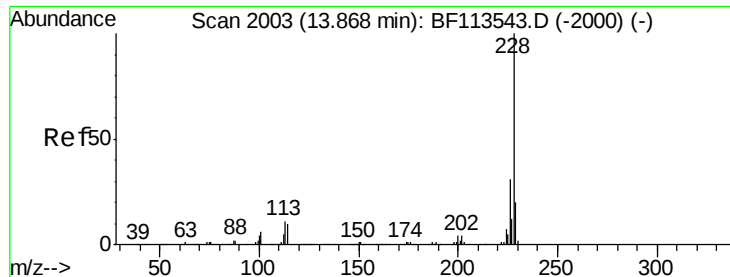
Delta R.T. -0.00 min

Lab File: BF113571.D

Acq: 4 Apr 2019 4:47

Tgt Ion:	228	Resp:	91202
Ion Ratio	Lower	Upper	
228	100		
226	26.4	21.8	32.8
229	20.6	16.2	24.4





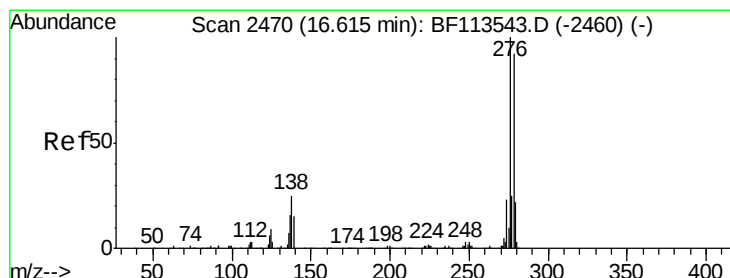
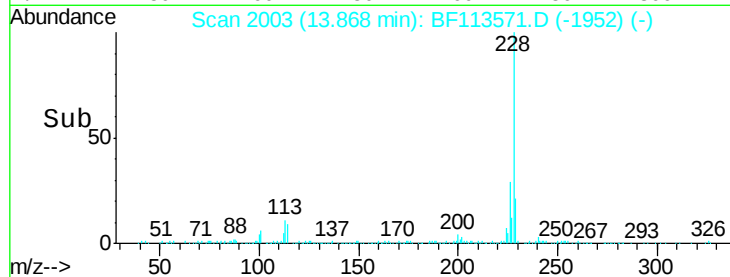
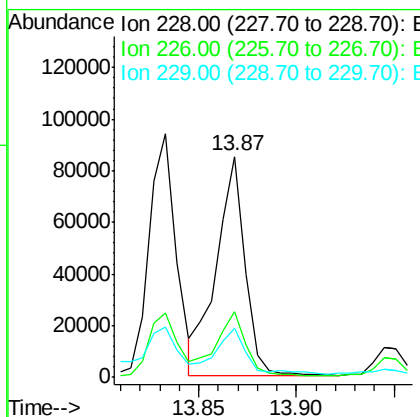
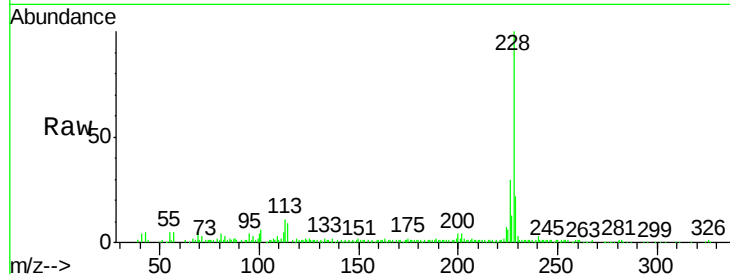
#83
Chrysene
Concen: 5.198 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BF113571.D
Acq: 4 Apr 2019 4:47

Instrument :
BNA_F
ClientSampleId :
OR-02-040219-B

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5
229	22.2	16.3	24.5

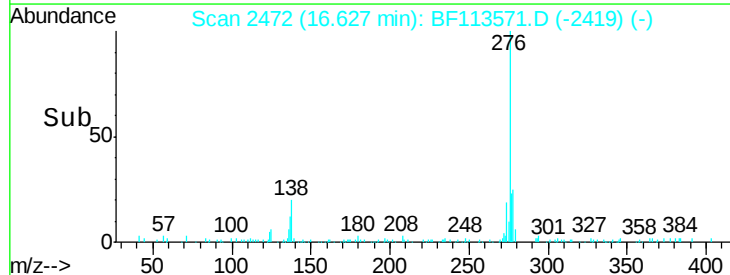
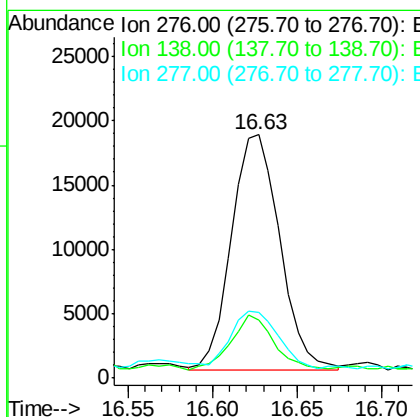
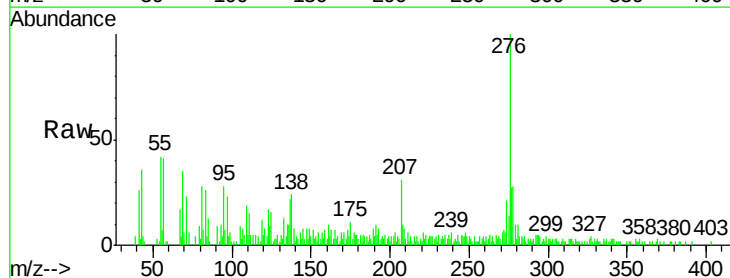
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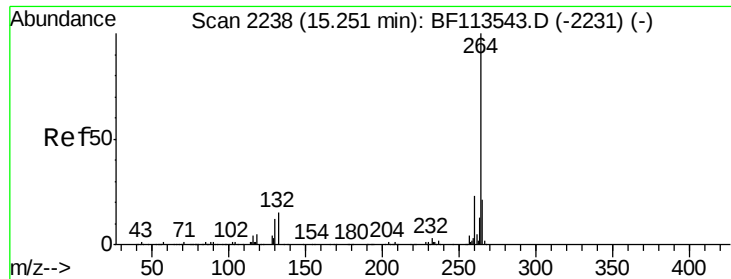
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.344 ng
RT: 16.63 min Scan# 2472
Delta R.T. 0.01 min
Lab File: BF113571.D
Acq: 4 Apr 2019 4:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.4	18.1	27.1
277	23.6	20.2	30.4





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.26 min Scan# 2239

Delta R.T. 0.01 min

Lab File: BF113571.D

Acq: 4 Apr 2019 4:47

Instrument :

BNA_F

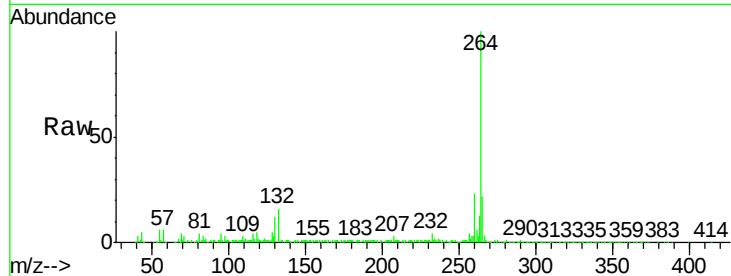
ClientSampleId :

OR-02-040219-B

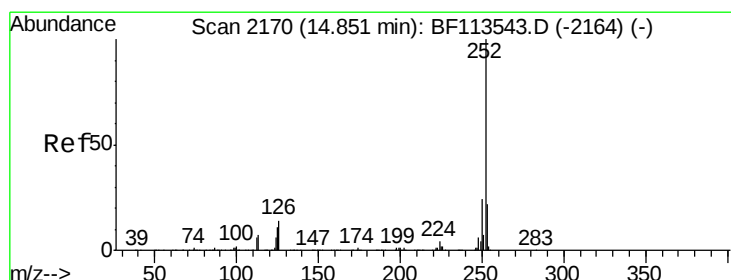
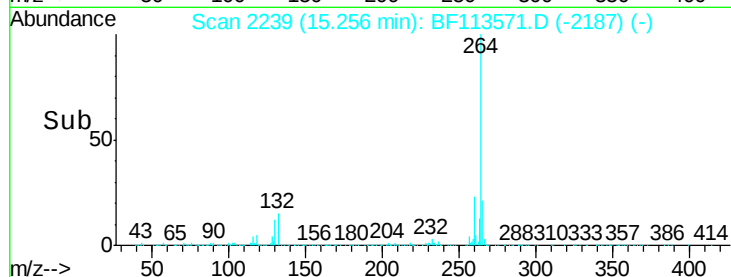
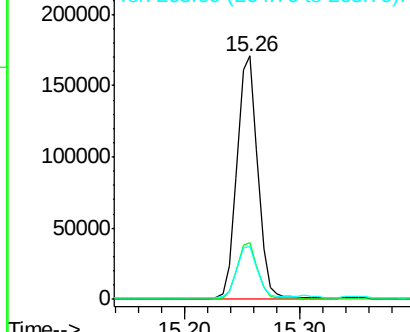
Tgt Ion:	264	Resp:	211558
Ion Ratio		Lower	Upper
264	100		
260	23.5	19.1	28.7
265	21.6	17.1	25.7

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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: 6.982 ng m

RT: 14.86 min Scan# 2171

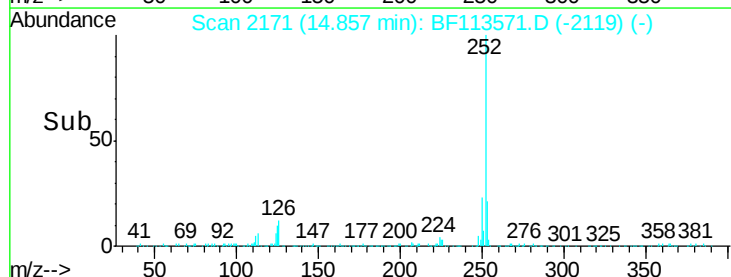
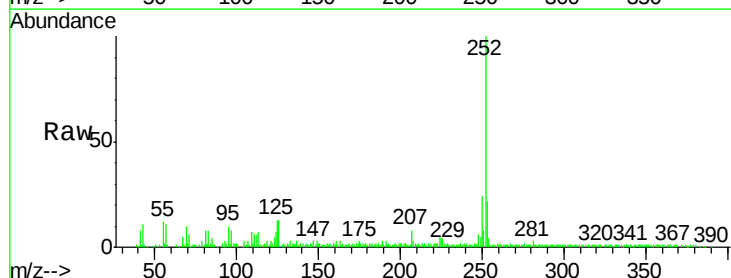
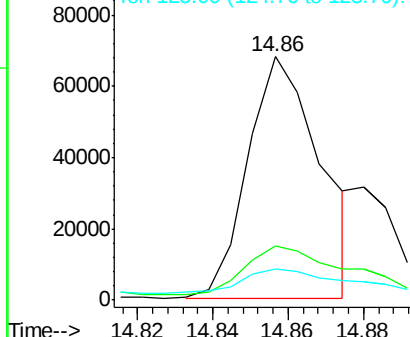
Delta R.T. 0.01 min

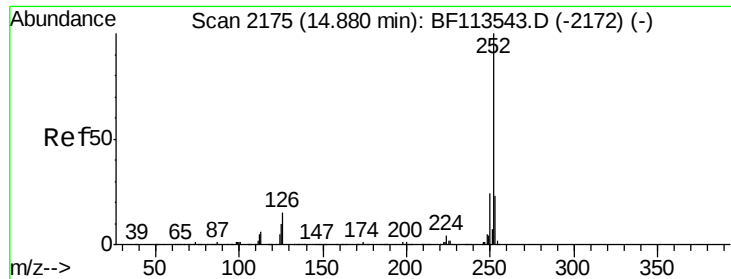
Lab File: BF113571.D

Acq: 4 Apr 2019 4:47

Tgt Ion:	252	Resp:	90411
Ion Ratio		Lower	Upper
252	100		
253	22.3	18.0	27.0
125	12.8	7.6	11.4#

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





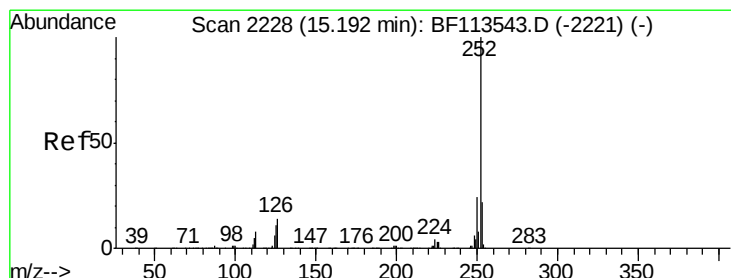
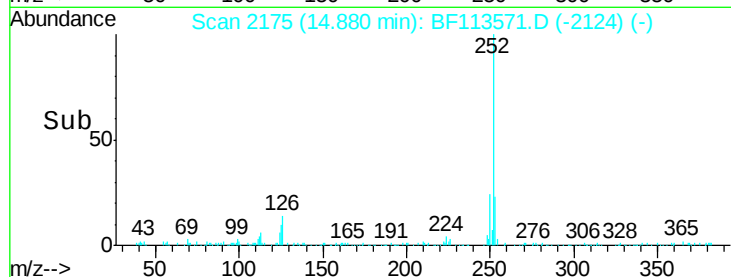
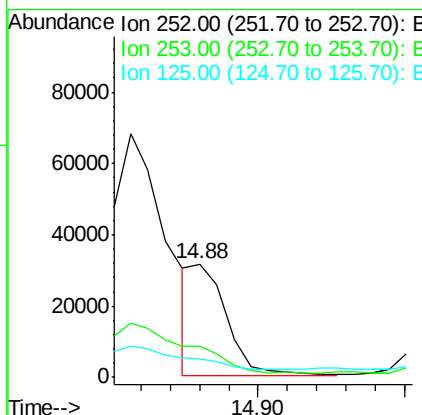
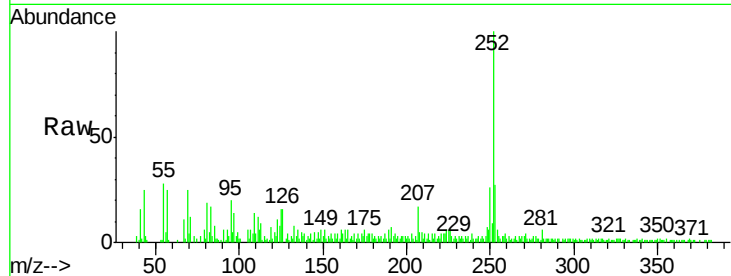
#89
Benzo(k)fluoranthene
Concen: 2.181 ng m
RT: 14.88 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BF113571.D
Acq: 4 Apr 2019 4:47

Instrument :
BNA_F
ClientSampleId :
OR-02-040219-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.7	26.5#
125	16.4	7.3	10.9#

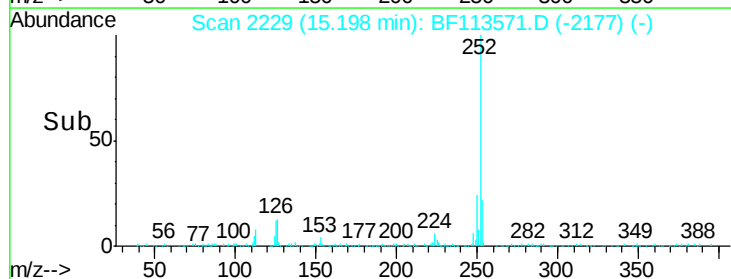
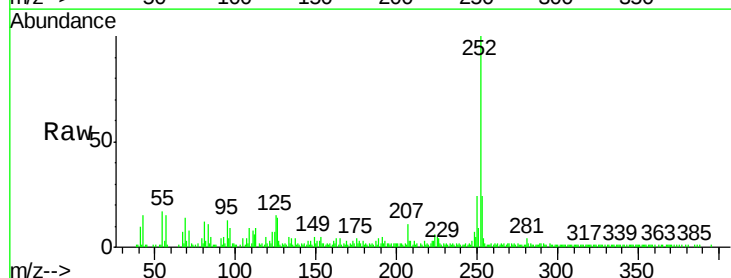
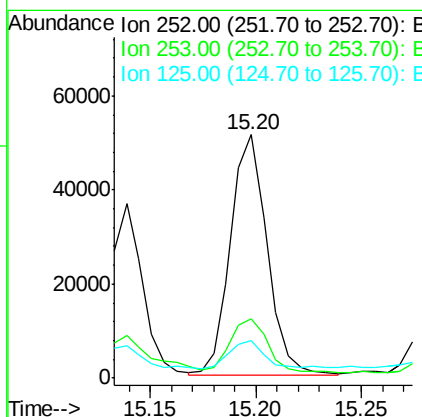
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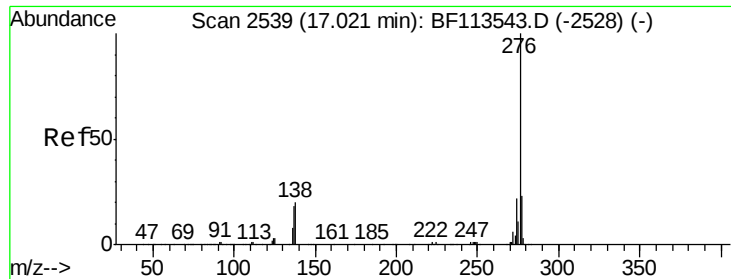
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#90
Benzo(a)pyrene
Concen: 5.310 ng
RT: 15.20 min Scan# 2229
Delta R.T. 0.01 min
Lab File: BF113571.D
Acq: 4 Apr 2019 4:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	15.3	8.8	13.2#





#92
 Benzo(g,h,i)perylene
 Concen: 3.275 ng
 RT: 17.03 min Scan# 2541
 Delta R.T. 0.01 min
 Lab File: BF113571.D
 Acq: 4 Apr 2019 4:47

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-040219-B

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	28.3	18.8	28.2#
138	20.6	15.6	23.4

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