

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032819\
 Data File : BF113389.D
 Acq On : 28 Mar 2019 22:27
 Operator : JU/SJ
 Sample : K2130-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-034-B

Manual Integrations
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Quant Time: Mar 29 04:32:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	184307	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	689141	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	322276	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	556285	20.00	ng	0.00
76) Chrysene-d12	13.84	240	441573	20.00	ng	0.00
87) Perylene-d12	15.24	264	428448	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	965659	85.67	ng	0.00
7) Phenol-d6	6.35	99	1253639	87.92	ng	0.00
23) Nitrobenzene-d5	7.26	82	753455	64.89	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	319676	80.30	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1435552	65.84	ng	0.00
79) Terphenyl-d14	12.79	244	1188077	59.30	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.45	163	181047	7.580	ng	99
58) Fluorene	10.28	166	65671	2.980	ng	96
71) Phenanthrene	11.23	178	134665	4.875	ng	97
72) Anthracene	11.29	178	71034	2.531	ng	97
75) Fluoranthene	12.42	202	170140	5.448	ng	97
78) Pyrene	12.65	202	135441	4.426	ng	98
81) Benzo(a)anthracene	13.83	228	63433	2.510	ng	97
83) Chrysene	13.86	228	56401	2.197	ng	97
88) Benzo(b)fluoranthene	14.85	252	76773m	2.885	ng	
90) Benzo(a)pyrene	15.19	252	52982	2.245	ng	# 89

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

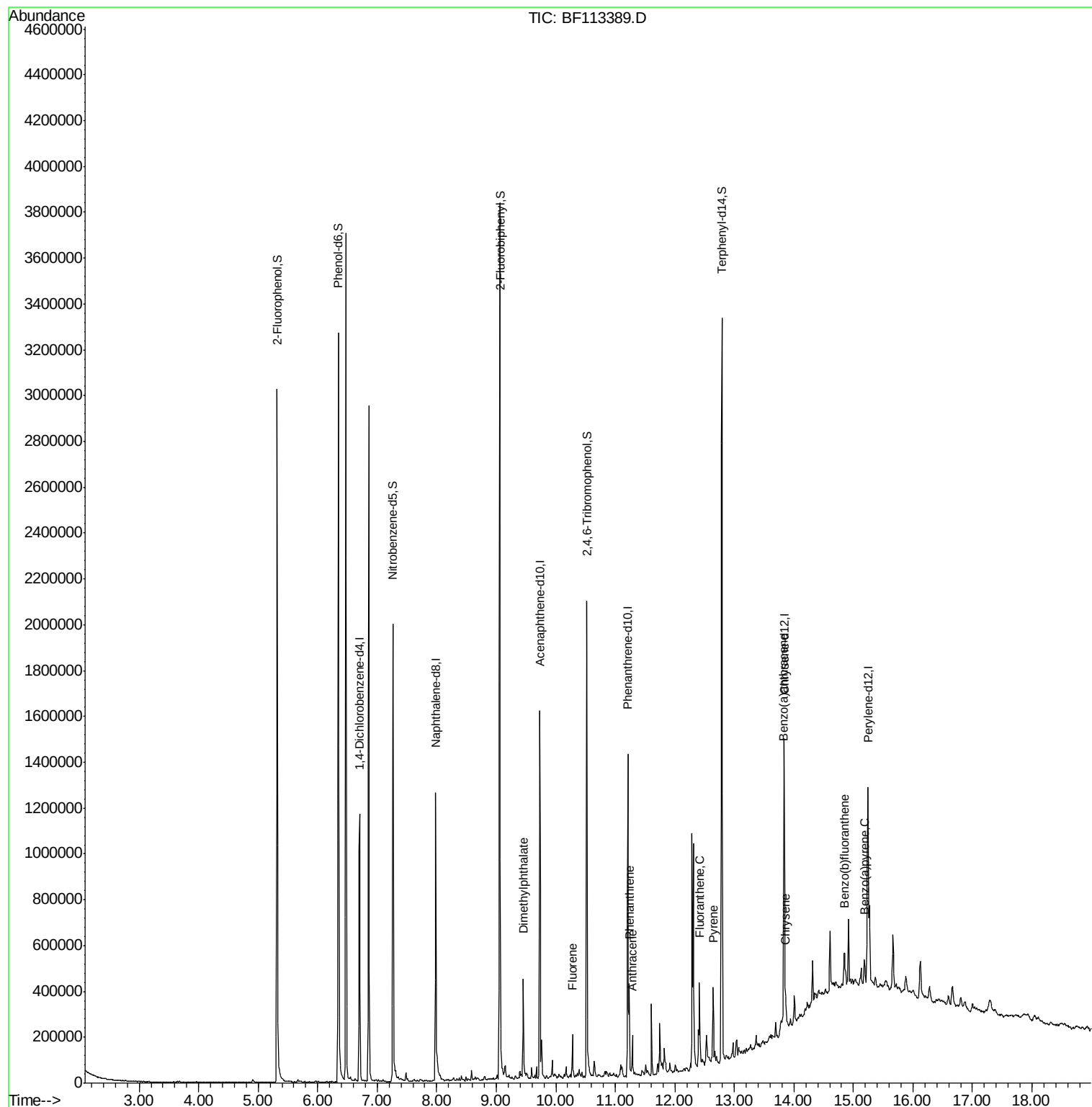
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032819\
Data File : BF113389.D
Acq On : 28 Mar 2019 22:27
Operator : JU/SJ
Sample : K2130-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

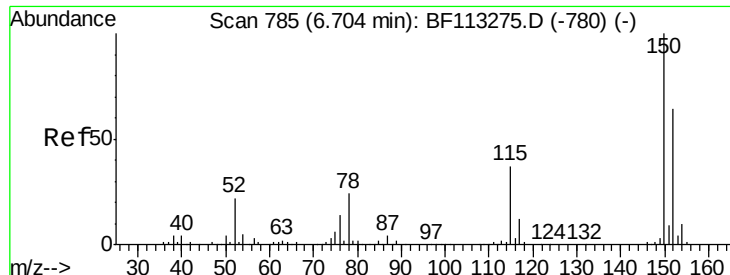
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-034-B

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#1

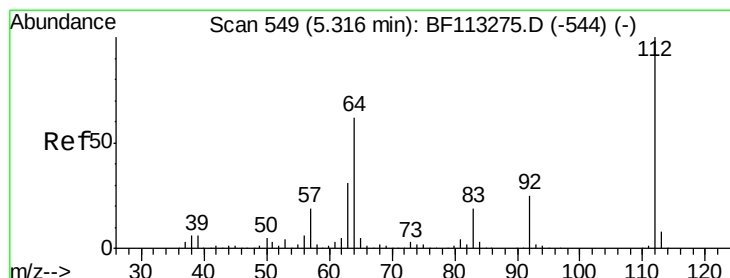
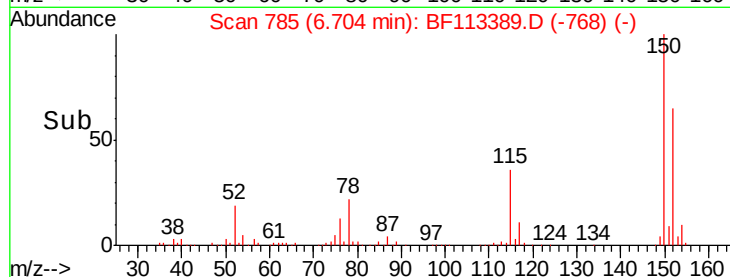
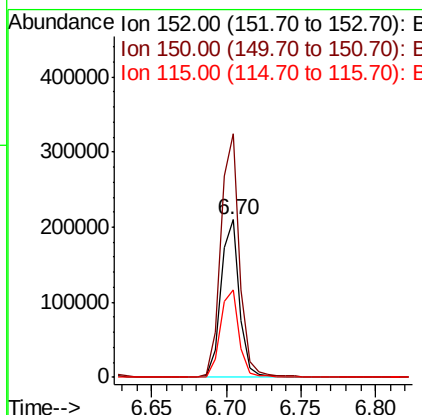
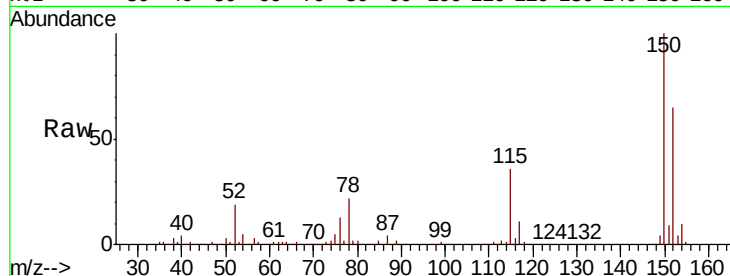
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: BF113389.D
 Acq: 28 Mar 2019 22:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-034-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.7	187.1
115	55.8	46.0	69.0

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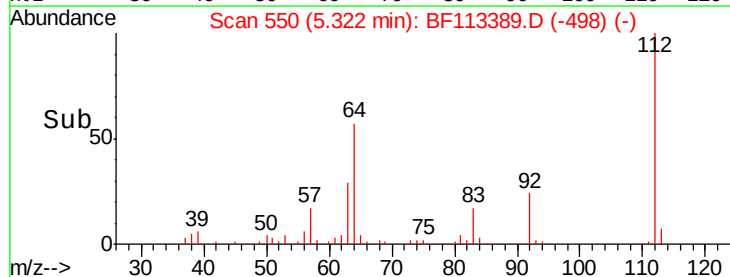
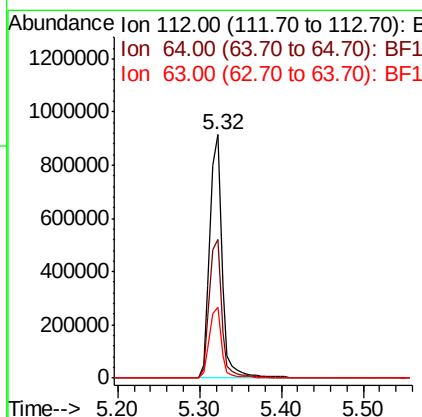
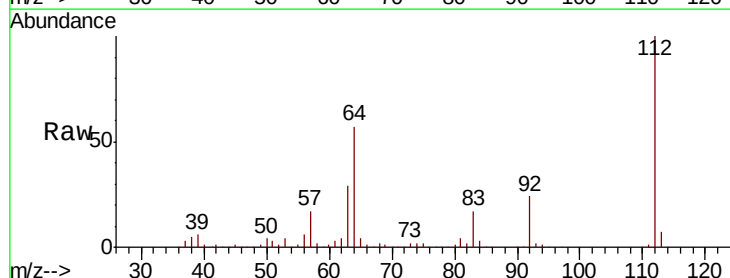
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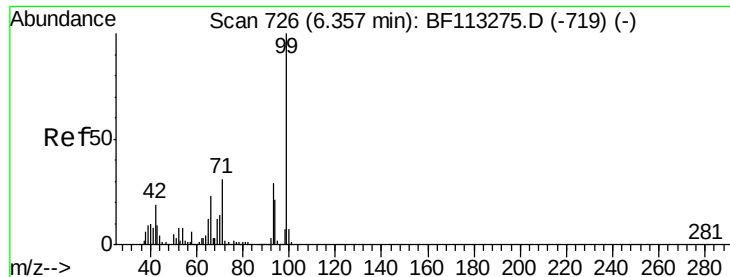


#5

2-Fluorophenol
 Concen: 85.671 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.01 min
 Lab File: BF113389.D
 Acq: 28 Mar 2019 22:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	49.2	73.8
63	29.1	24.9	37.3





#7

Phenol-d6

Concen: 87.917 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113389.D

Acq: 28 Mar 2019 22:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-034-B

Tot Ion: 99 Resp: 1253639

Ion Ratio Lower Upper

99 100

42 18.0 14.8 22.2

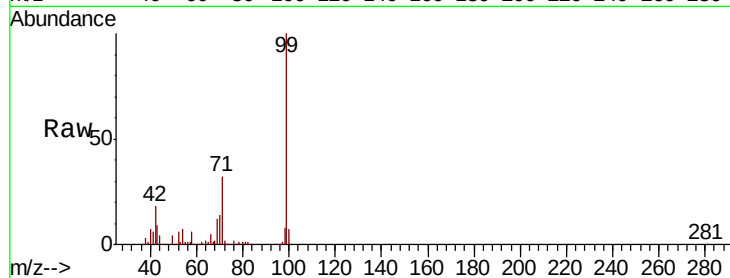
71 31.6 24.9 37.3

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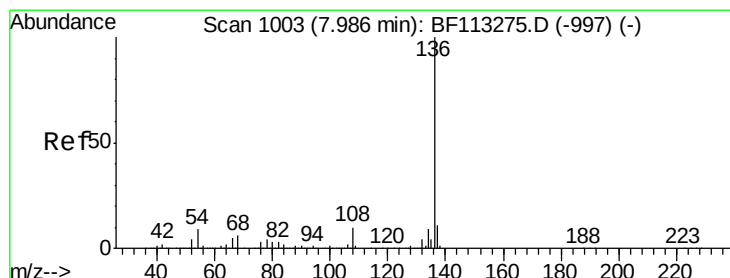
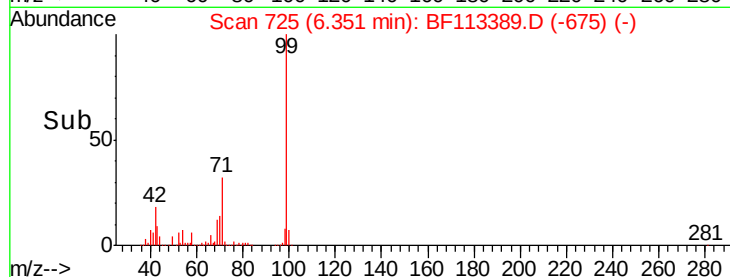
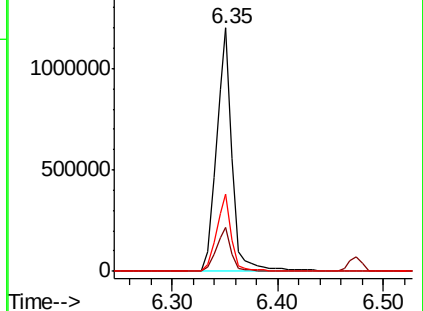
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BF113389.D

Acq: 28 Mar 2019 22:27

Tgt Ion: 136 Resp: 689141

Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.5 7.0 10.6

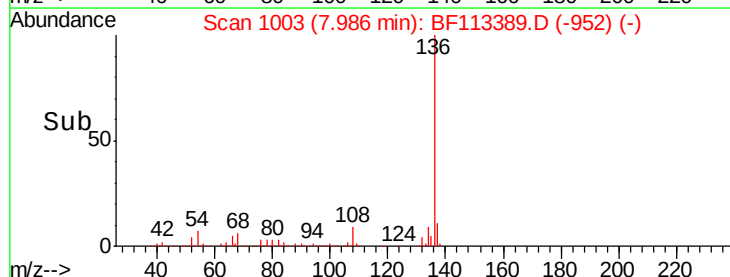
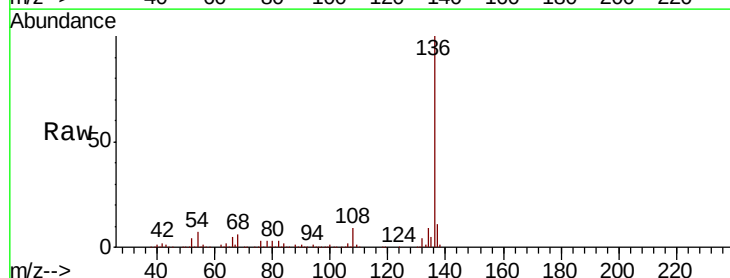
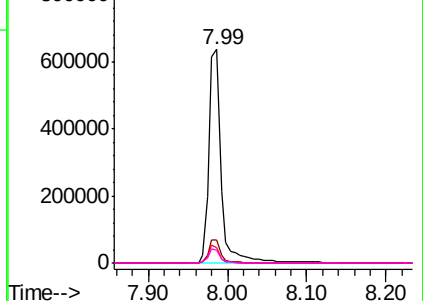
68 5.7 4.8 7.2

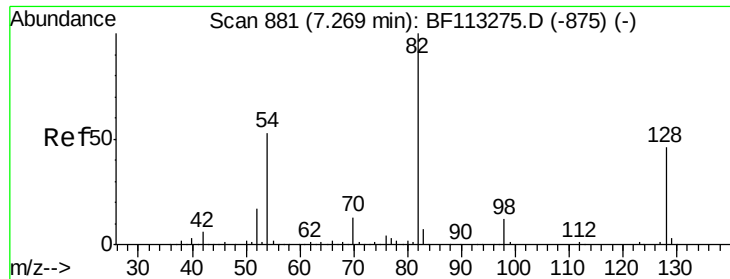
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





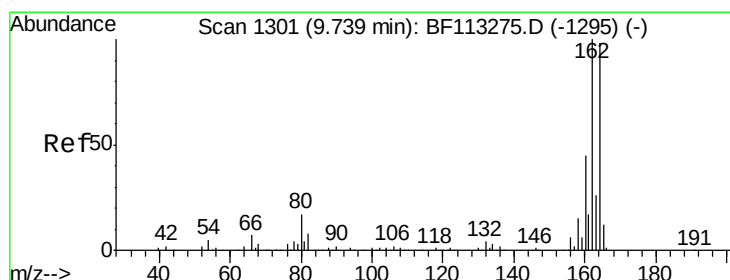
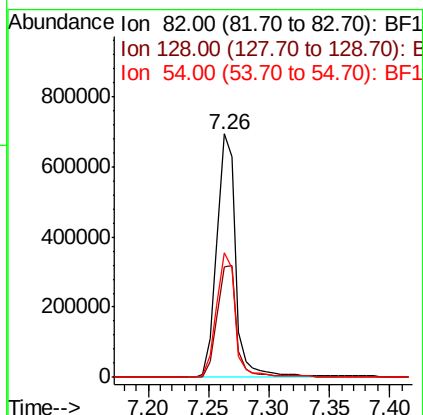
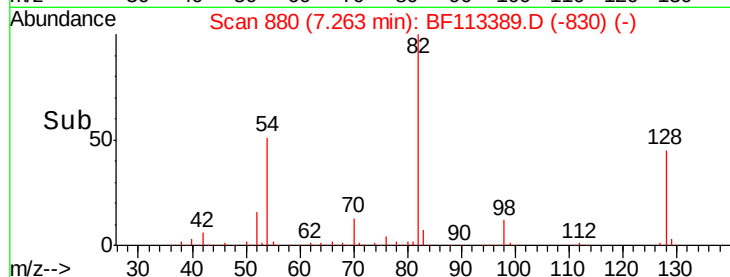
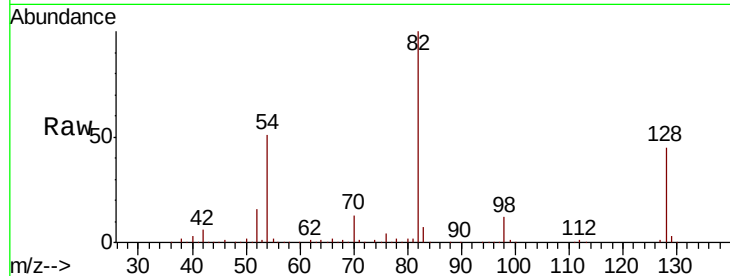
#23
Nitrobenzene-d5
Concen: 64.893 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF113389.D
Acq: 28 Mar 2019 22:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-034-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.5	54.7
54	51.3	42.2	63.2

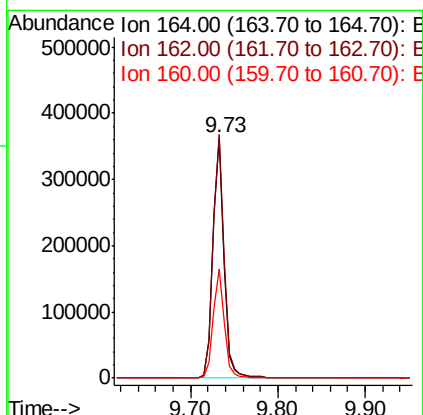
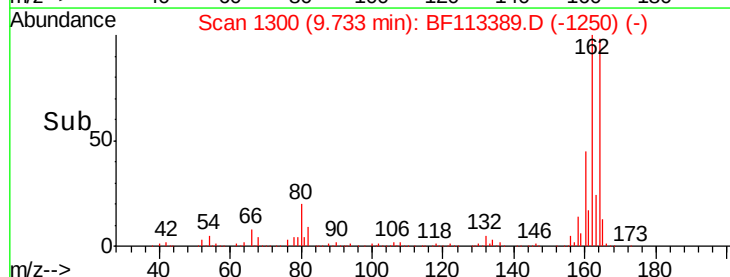
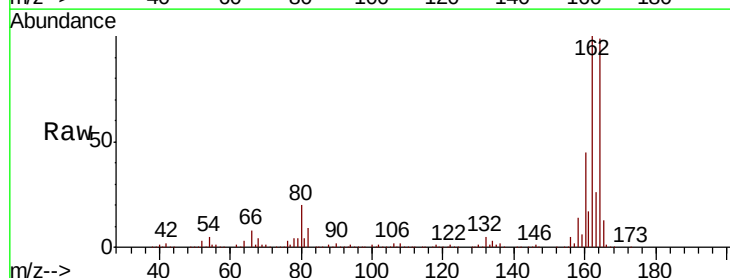
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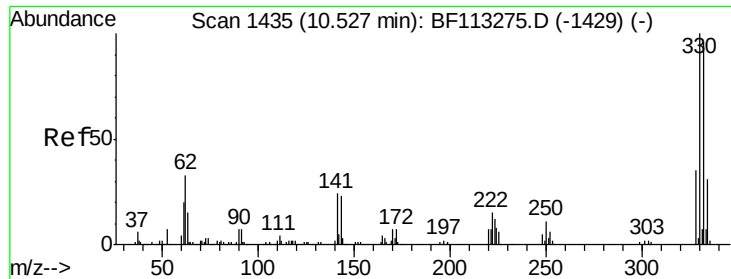
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113389.D
Acq: 28 Mar 2019 22:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.8	122.6
160	45.4	36.4	54.6





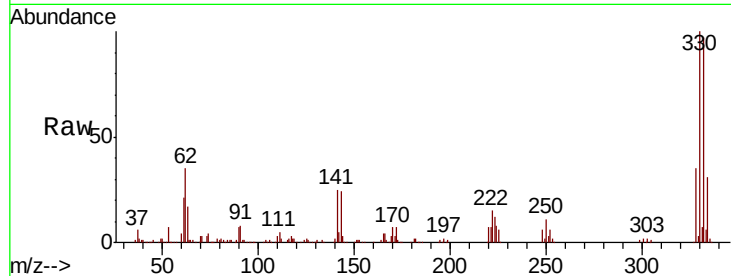
#42
 2,4,6-Tribromophenol
 Concen: 80.304 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113389.D
 Acq: 28 Mar 2019 22:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-034-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.8	116.6
141	27.8	22.7	34.1

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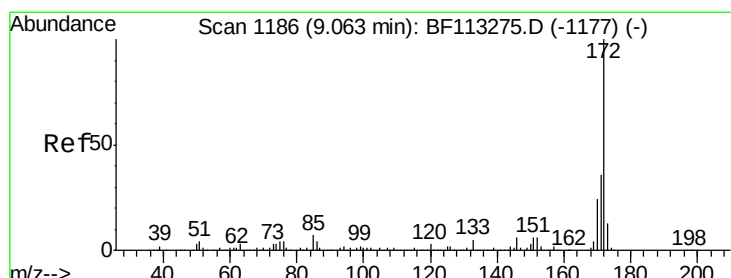
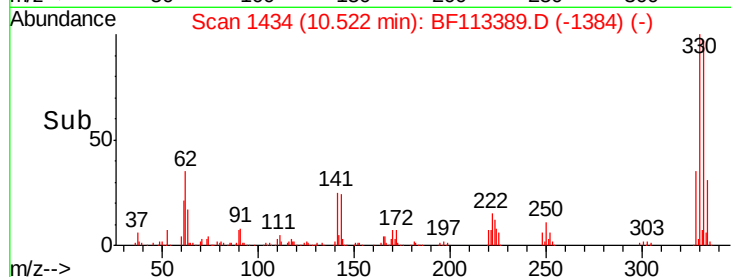
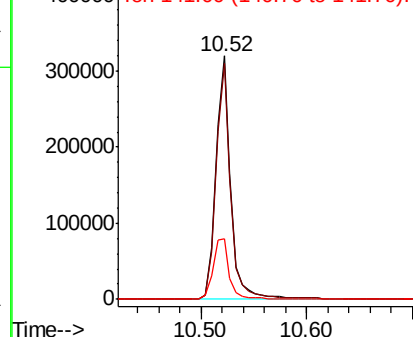


Abundance

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: 65.841 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF113389.D
 Acq: 28 Mar 2019 22:27

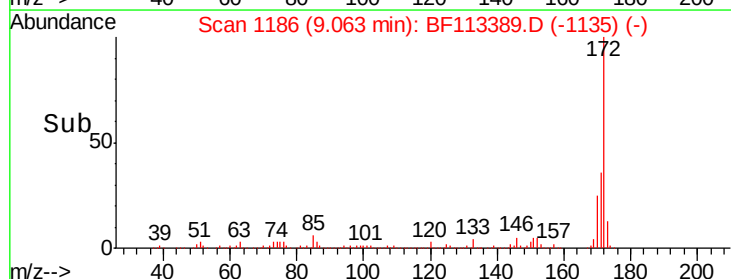
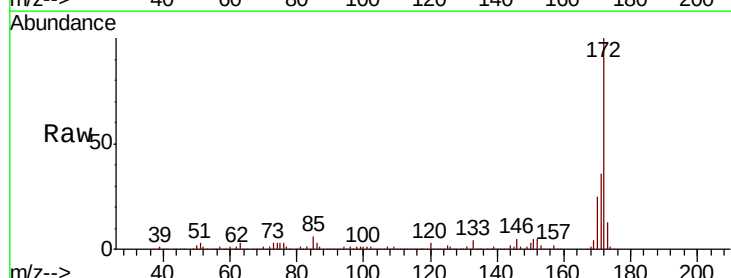
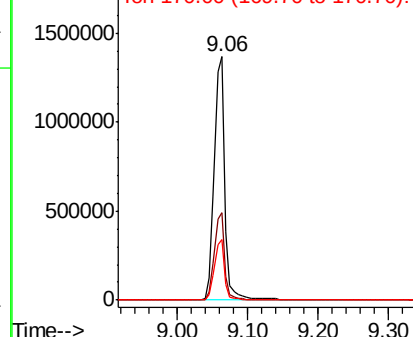
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.6
170	24.6	19.5	29.3

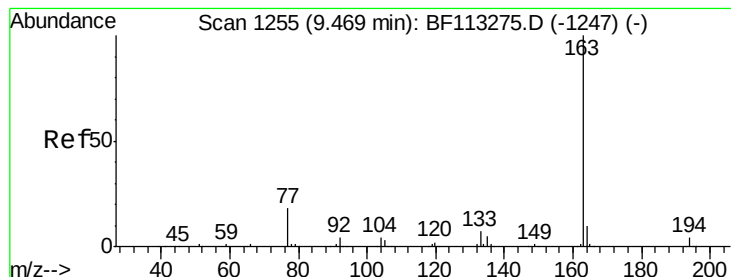
Abundance

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: 7.580 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF113389.D

Acq: 28 Mar 2019 22:27

Instrument :

BNA_F

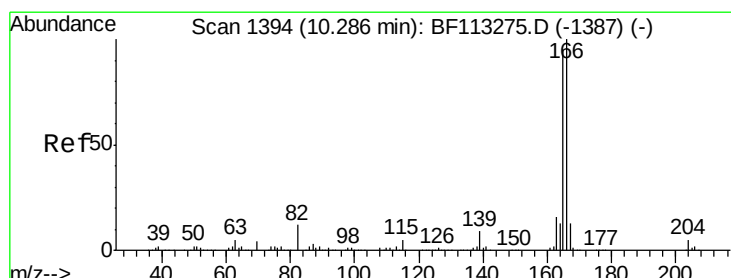
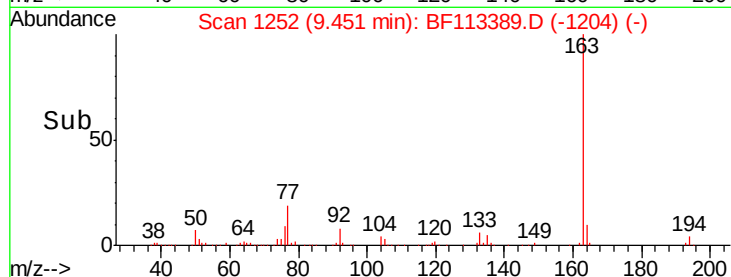
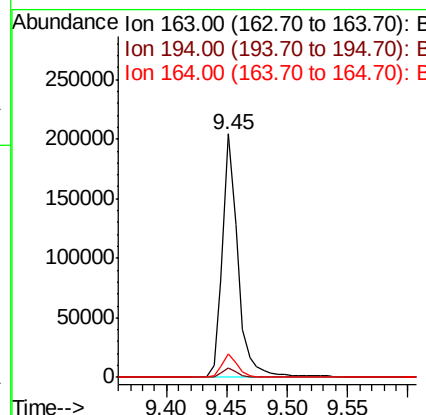
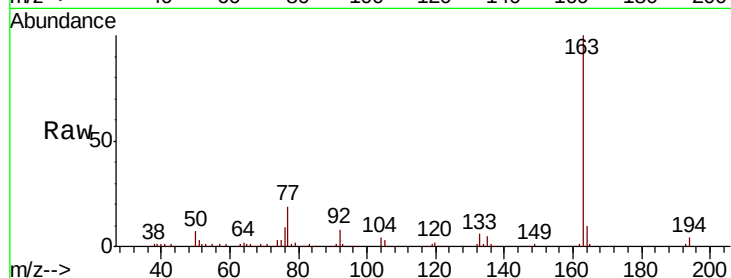
ClientSampleID :

FK-GF-02-034-B

Tot Ion:	163	Resp:	181047
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.0	4.6
164	9.5	8.1	12.1

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#58

Fluorene

Concen: 2.980 ng

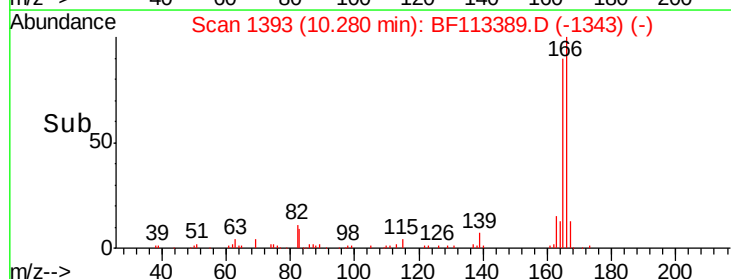
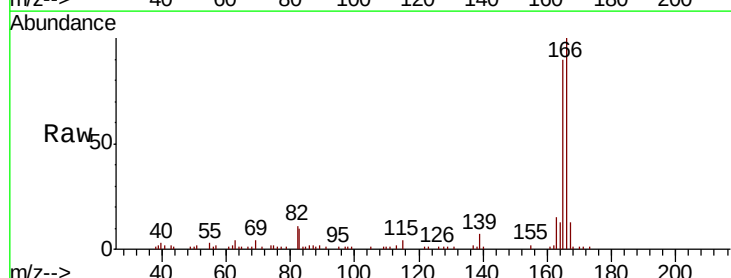
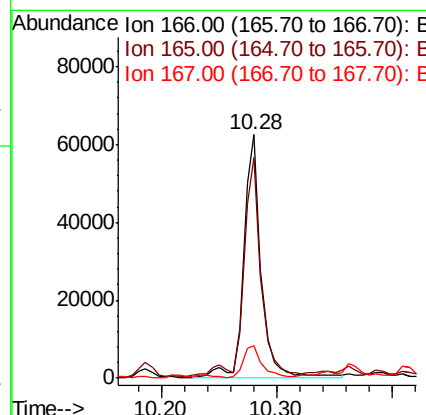
RT: 10.28 min Scan# 1393

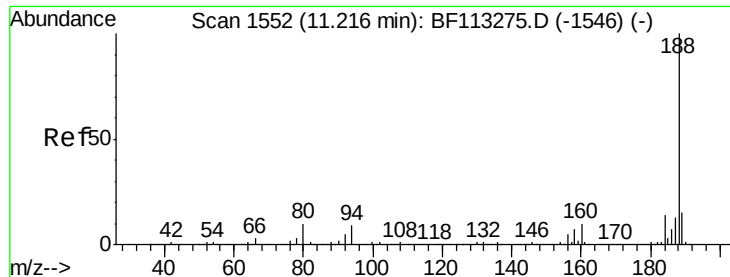
Delta R.T. -0.01 min

Lab File: BF113389.D

Acq: 28 Mar 2019 22:27

Tgt Ion:	166	Resp:	65671
Ion Ratio	Lower	Upper	
166	100		
165	90.5	76.2	114.2
167	13.2	10.7	16.1





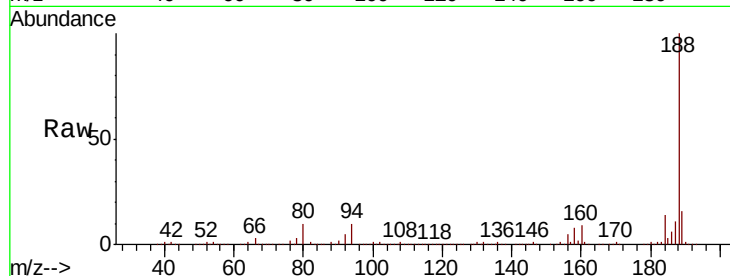
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113389.D
Acq: 28 Mar 2019 22:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-034-B

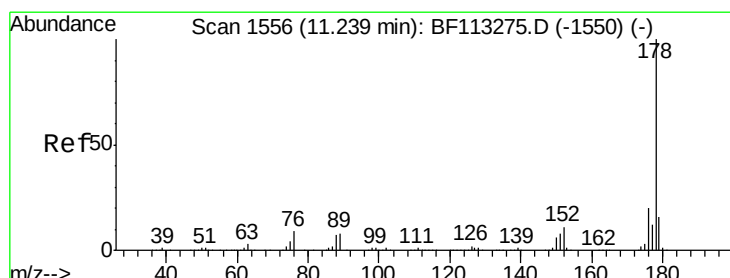
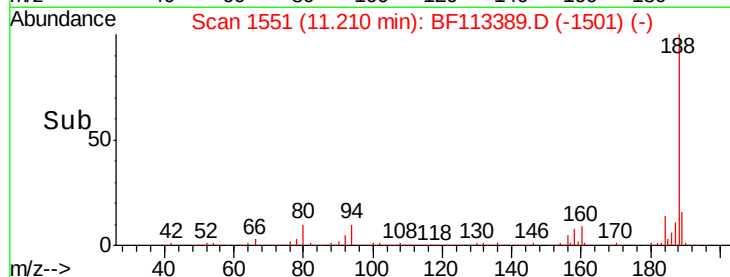
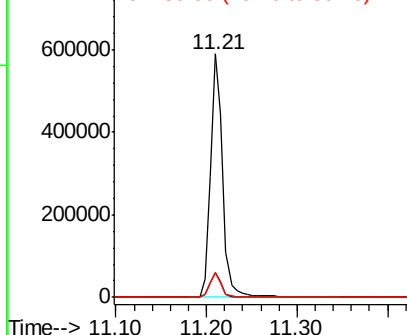
Tot Ion	Ratio	Resp	Lower	Upper
188	100	556285		
94	10.0		7.0	10.6
80	10.3		7.7	11.5

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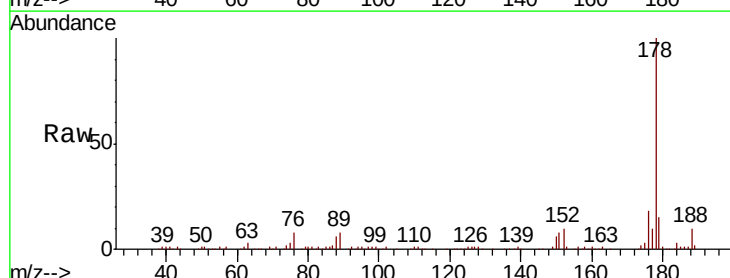


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

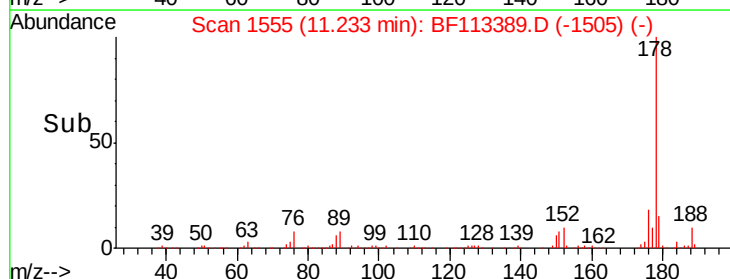
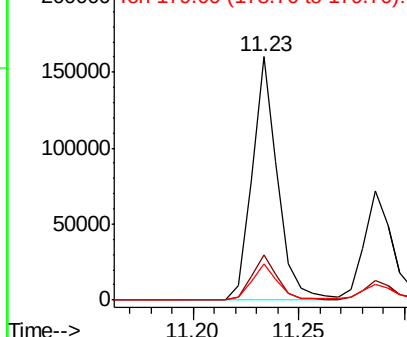


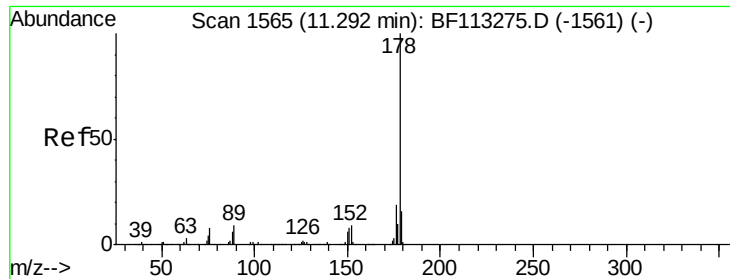
#71
Phenanthrene
Concen: 4.875 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113389.D
Acq: 28 Mar 2019 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	134665		
176	18.4		16.2	24.2
179	15.1		12.7	19.1



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





#72

Anthracene

Concen: 2.531 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF113389.D

Acq: 28 Mar 2019 22:27

Instrument :

BNA_F

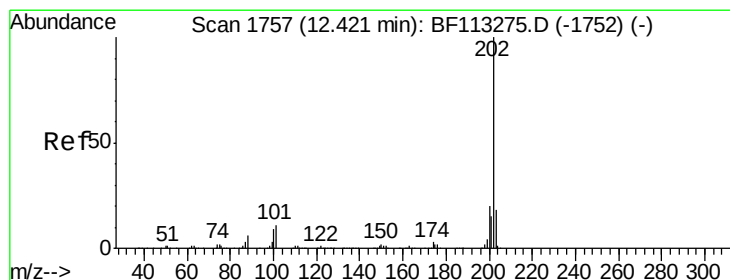
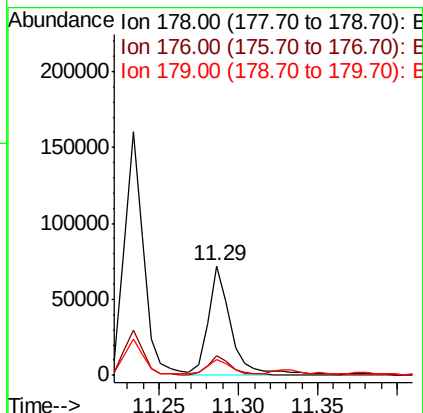
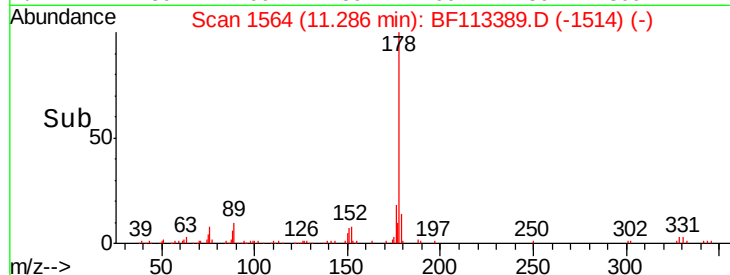
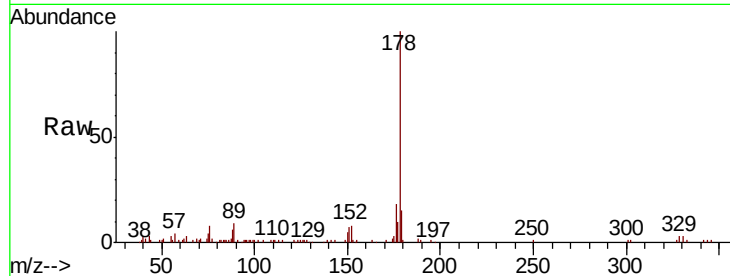
ClientSampleId :

FK-GF-02-034-B

Tot Ion:	178	Resp:	71034
Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	14.8	12.8	19.2

Manual Integrations
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#75

Fluoranthene

Concen: 5.448 ng

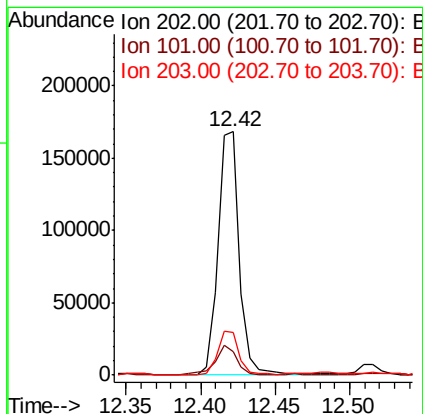
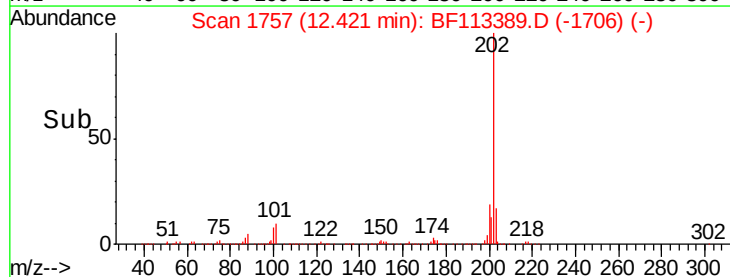
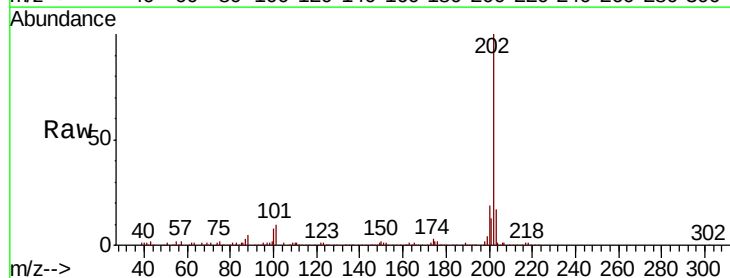
RT: 12.42 min Scan# 1757

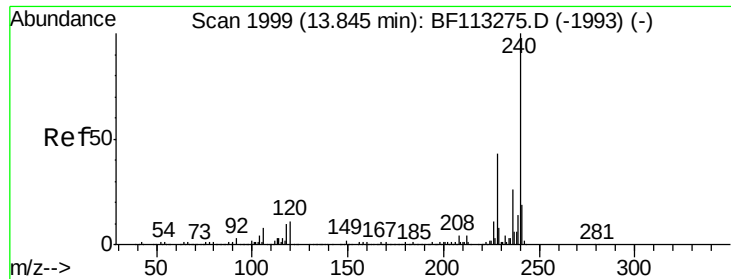
Delta R.T. 0.00 min

Lab File: BF113389.D

Acq: 28 Mar 2019 22:27

Tgt Ion:	202	Resp:	170140
Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	31.4
203	17.3	0.0	38.0





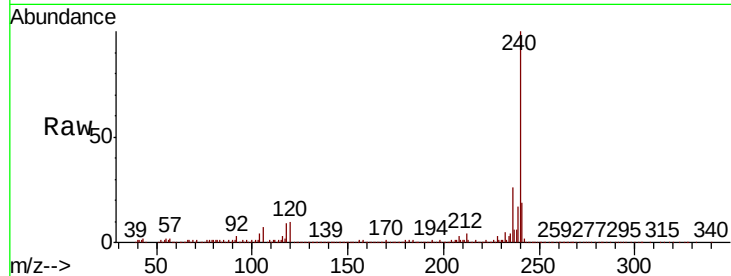
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113389.D
Acq: 28 Mar 2019 22:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-034-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.8	13.2
236	25.7	20.9	31.3

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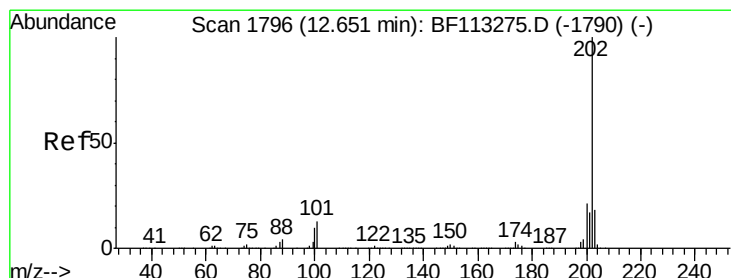
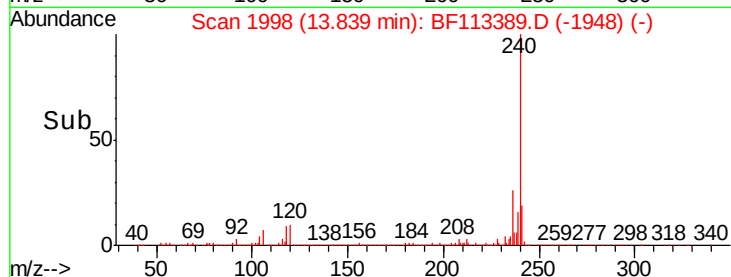
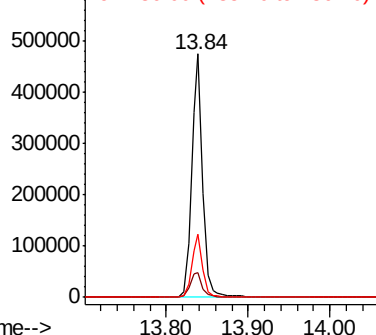


Abundance

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: 4.426 ng
RT: 12.65 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF113389.D
Acq: 28 Mar 2019 22:27

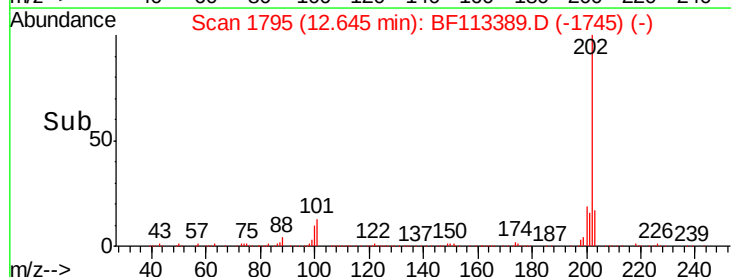
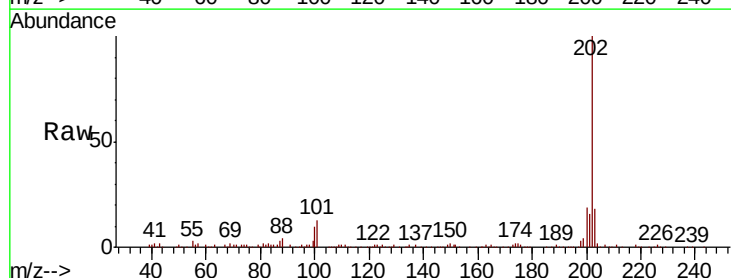
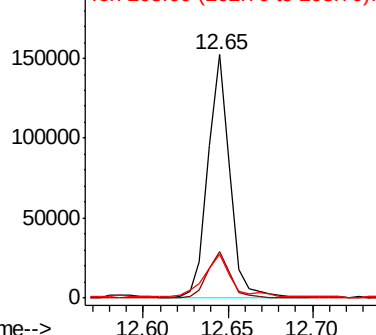
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.1	16.8	25.2
203	17.8	14.4	21.6

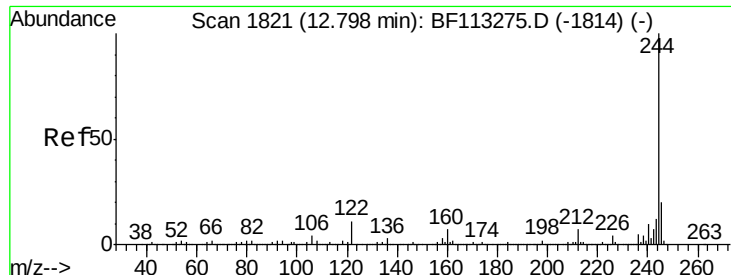
Abundance

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





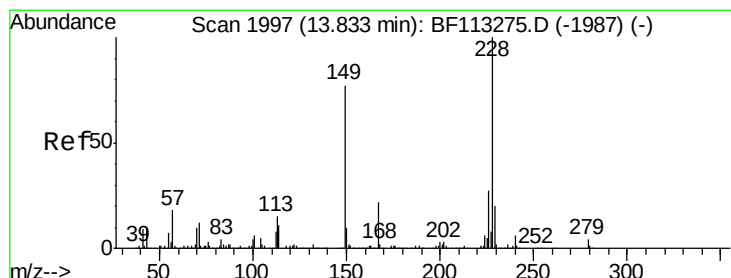
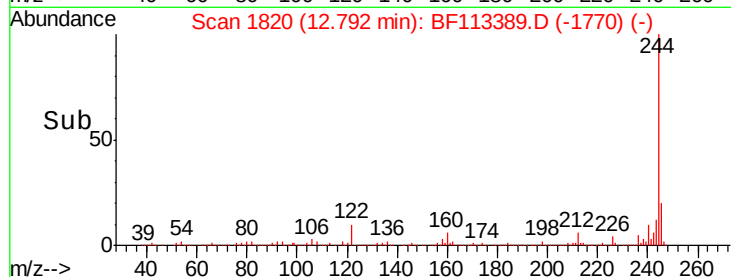
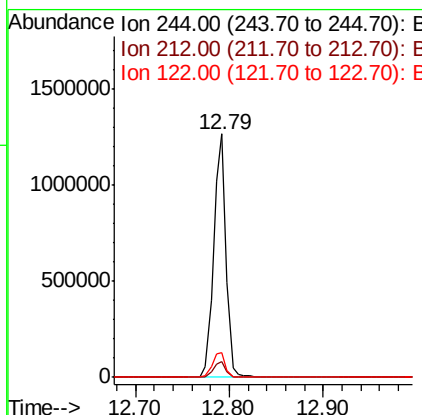
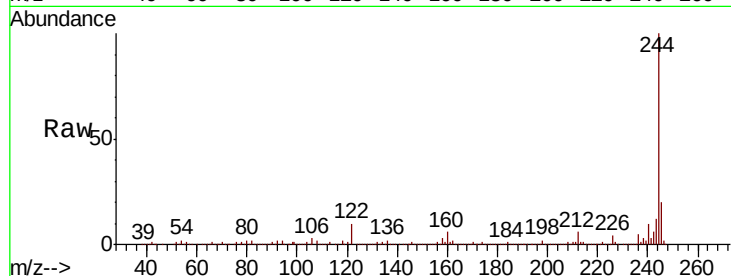
#79
 Terphenyl-d14
 Concen: 59.304 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.00 min
 Lab File: BF113389.D
 Acq: 28 Mar 2019 22:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-034-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.5	8.3
122	10.3	8.6	13.0

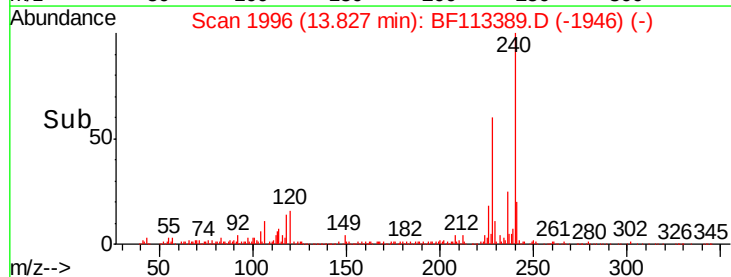
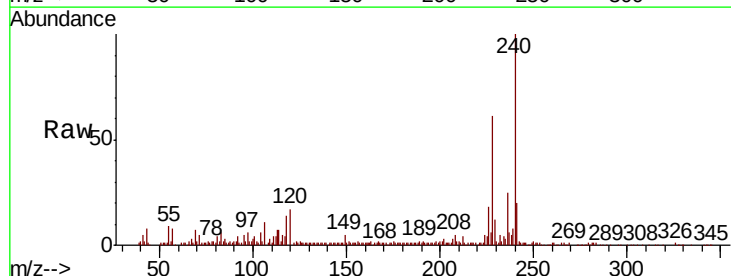
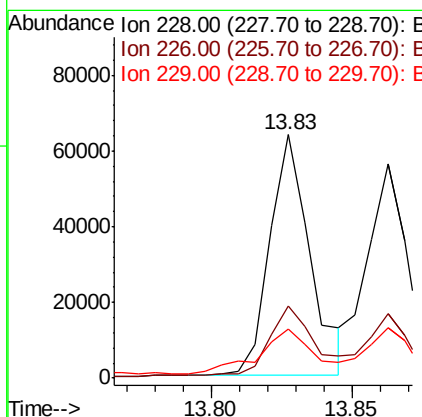
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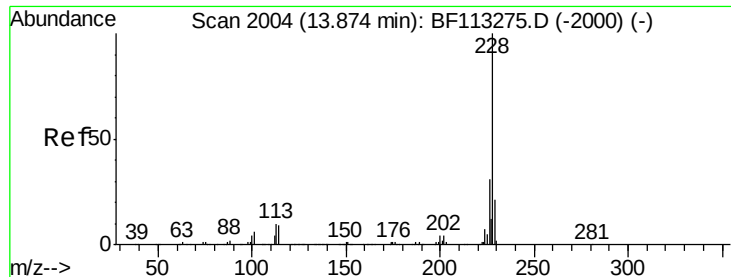
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#81
 Benzo(a)anthracene
 Concen: 2.510 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF113389.D
 Acq: 28 Mar 2019 22:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	21.8	32.8
229	20.2	16.2	24.4





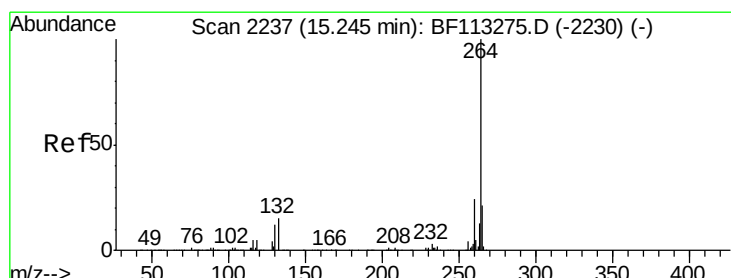
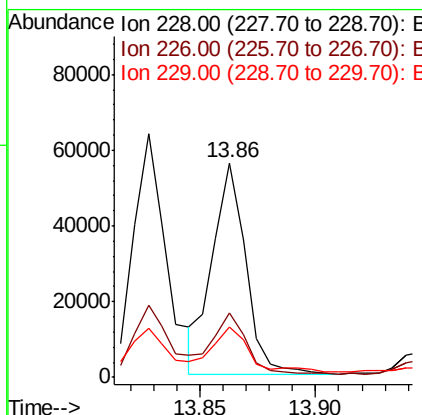
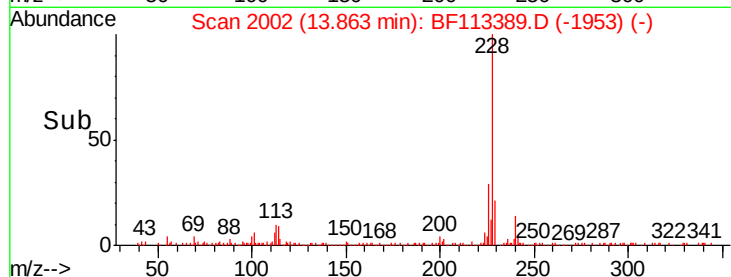
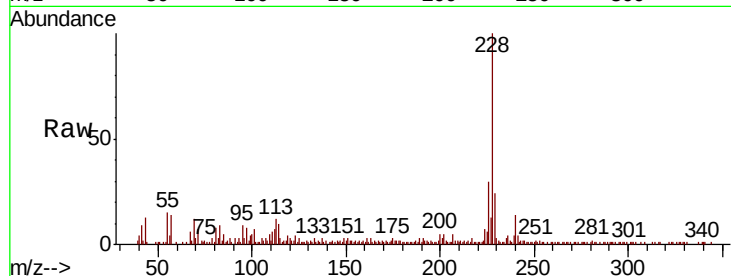
#83
Chrysene
Concen: 2.197 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113389.D
Acq: 28 Mar 2019 22:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-034-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.3	36.5
229	23.5	16.3	24.5

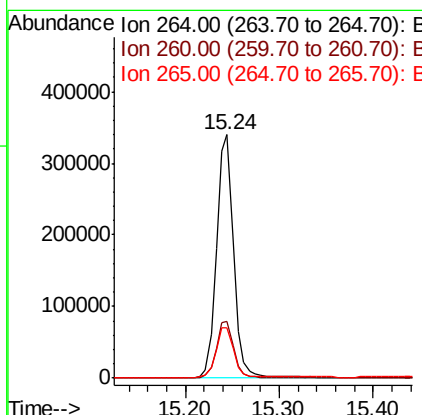
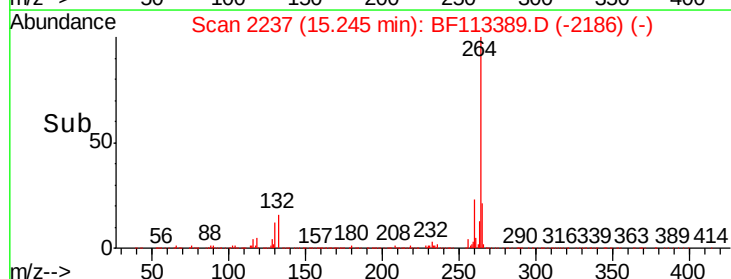
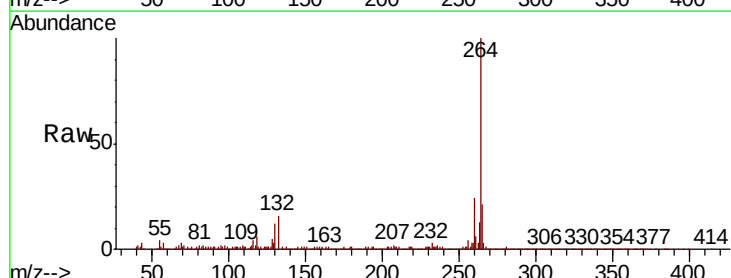
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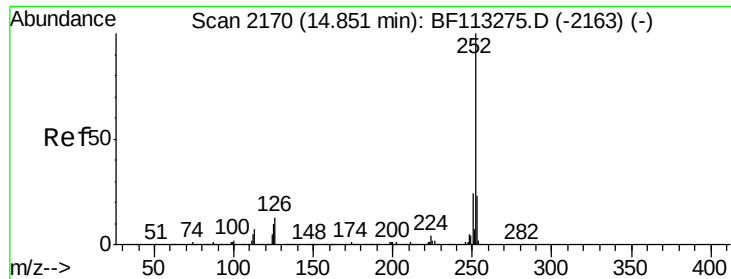
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.00 min
Lab File: BF113389.D
Acq: 28 Mar 2019 22:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.1	28.7
265	20.8	17.1	25.7





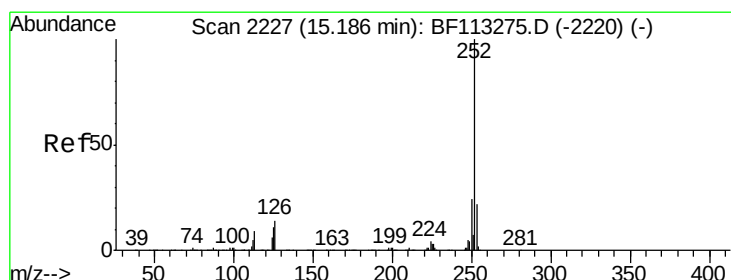
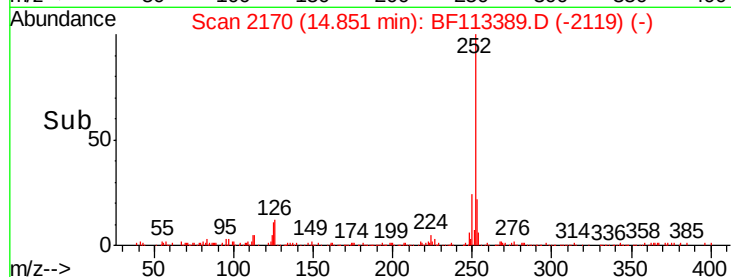
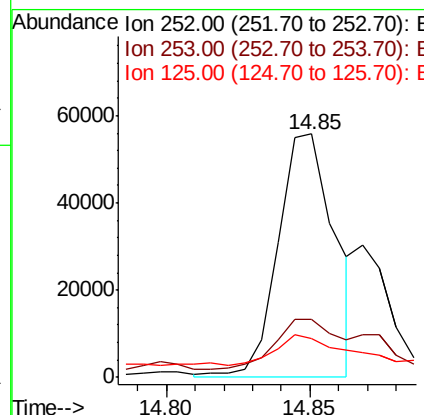
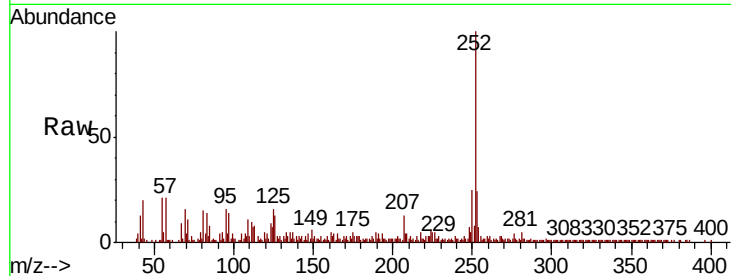
#88
Benzo(b)fluoranthene
Concen: 2.885 ng m
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF113389.D
Acq: 28 Mar 2019 22:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-034-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	16.2	7.6	11.4

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#90
Benzo(a)pyrene
Concen: 2.245 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BF113389.D
Acq: 28 Mar 2019 22:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.9	26.9
125	17.5	8.8	13.2

