

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030119\
 Data File : BF112804.D
 Acq On : 1 Mar 2019 17:16
 Operator : JU/SJ
 Sample : K1670-03 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-032-B

Manual Integrations
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 3/4/2019 4:55:31 PM

Quant Time: Mar 01 23:21:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	169591	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	623310	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	248073	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	420330	20.00	ng	0.00
76) Chrysene-d12	13.87	240	434795	20.00	ng	0.00
87) Perylene-d12	15.29	264	378676	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	494676	45.37	ng	0.00
7) Phenol-d6	6.37	99	627791	45.84	ng	0.00
23) Nitrobenzene-d5	7.30	82	354772	34.06	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	126360	47.98	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	600194	34.00	ng	0.00
79) Terphenyl-d14	12.83	244	536772	23.93	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.38	94	44826	2.805	ng	92
49) Acenaphthylene	9.63	152	61099	2.278	ng	98
50) Dimethylphthalate	9.49	163	43439	2.375	ng	# 96
75) Fluoranthene	12.46	202	210013	9.373	ng	94
78) Pyrene	12.68	202	244822	6.679	ng	98
81) Benzo(a)anthracene	13.86	228	213499m	7.085	ng	
83) Chrysene	13.90	228	184998	6.267	ng	96
86) Indeno(1,2,3-cd)pyrene	16.64	276	91996m	3.656	ng	
88) Benzo(b)fluoranthene	14.89	252	308842m	12.609	ng	
89) Benzo(k)fluoranthene	14.91	252	69942m	3.152	ng	
90) Benzo(a)pyrene	15.23	252	179644	8.292	ng	97
92) Benzo(a,h,i)perylene	17.04	276	82758	4.458	ng	97

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

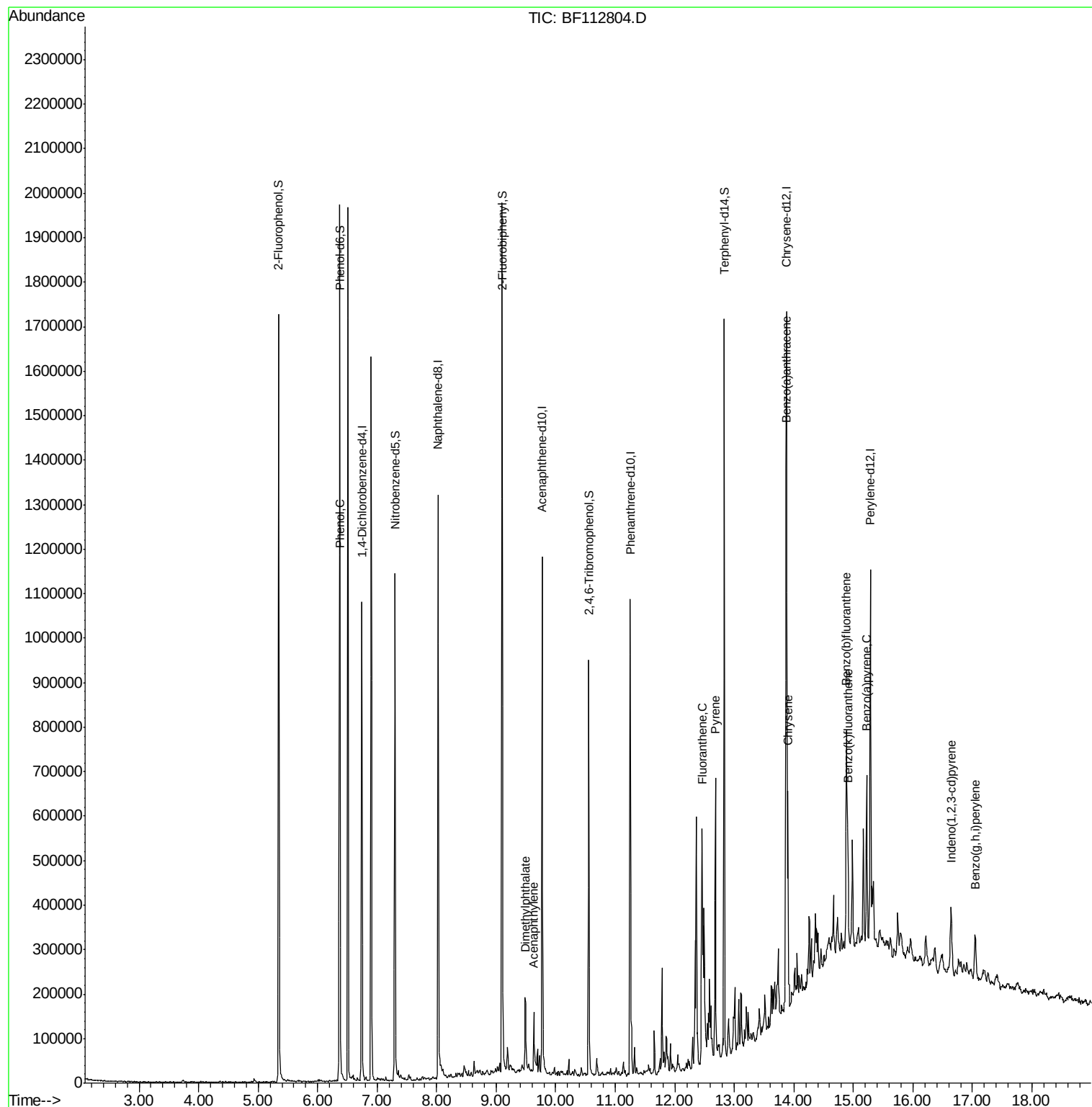
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030119\
Data File : BF112804.D
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Operator : JU/SJ
Sample : K1670-03 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

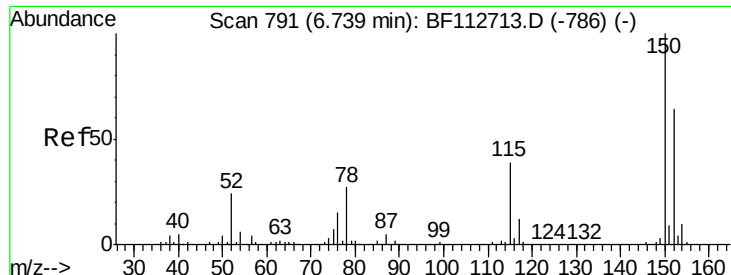
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-B

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Quant Time: Mar 01 23:21:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

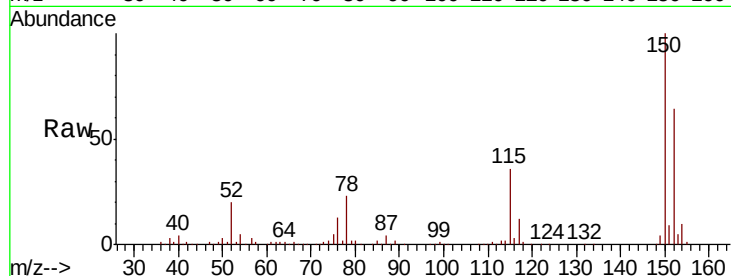
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.2	186.2
115	56.2	48.2	72.4

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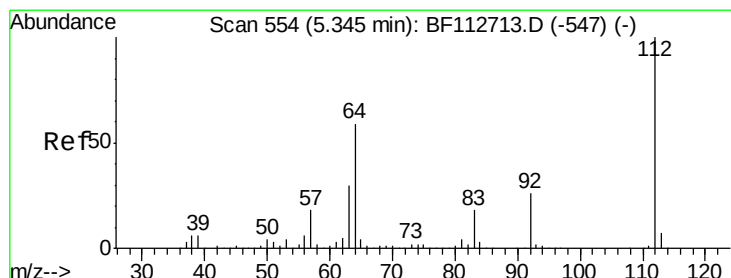
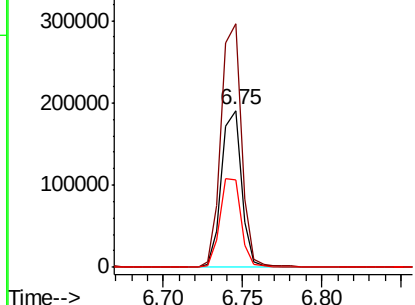
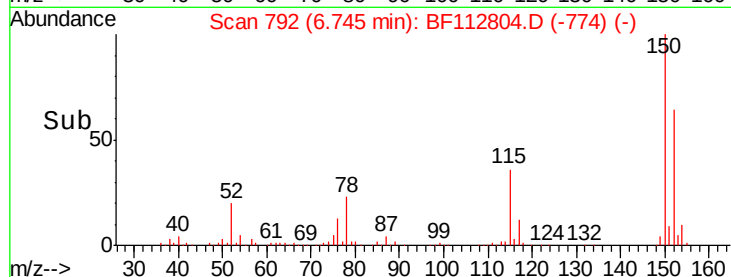


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

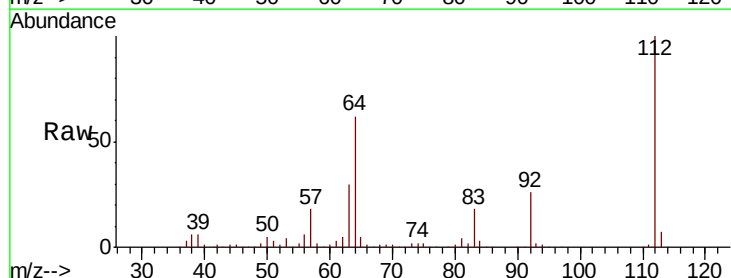
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 45.373 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	47.6	71.4
63	30.4	24.4	36.6

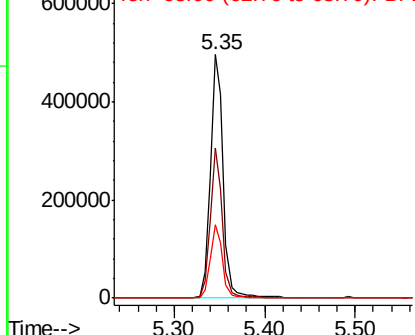
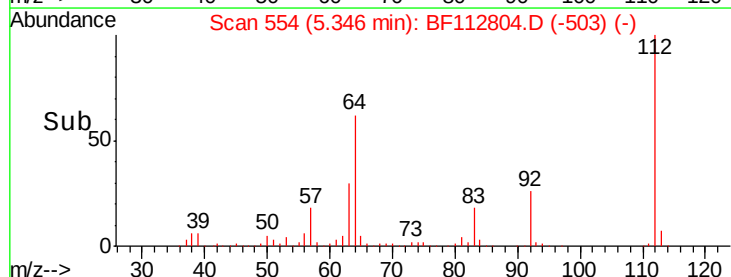


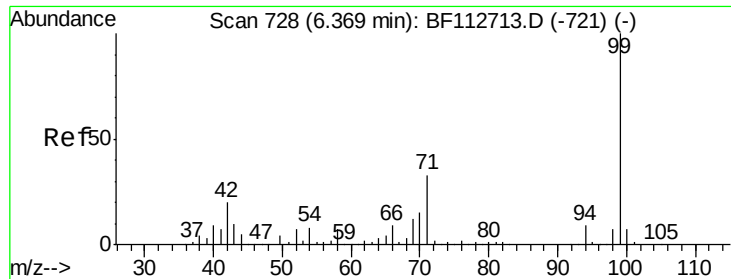
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 45.840 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF112804.D

Acq: 1 Mar 2019 17:16

Instrument :

BNA_F

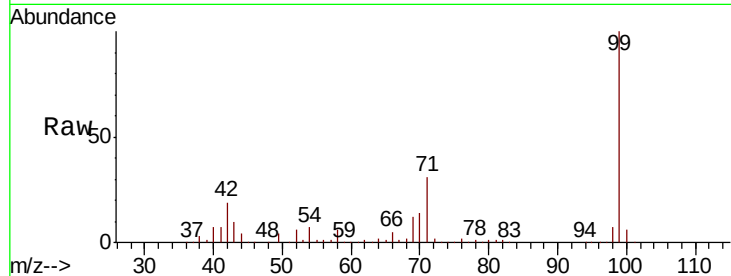
ClientSampleId :

FK-GF-02-032-B

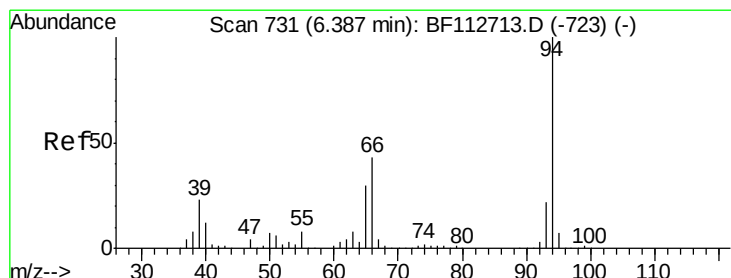
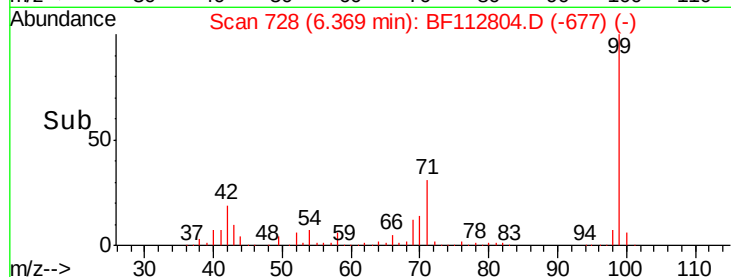
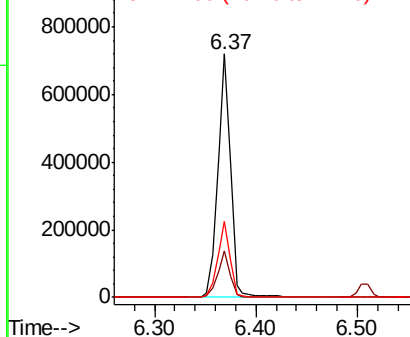
Tot Ion:	99	Resp:	627791
Ion Ratio	Lower	Upper	
99	100		
42	18.8	16.3	24.5
71	31.3	26.2	39.4

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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



#10

Phenol

Concen: 2.805 ng

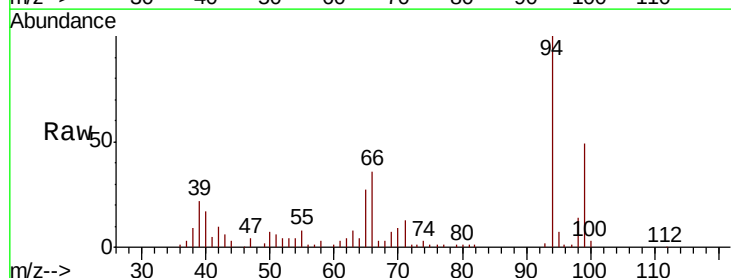
RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

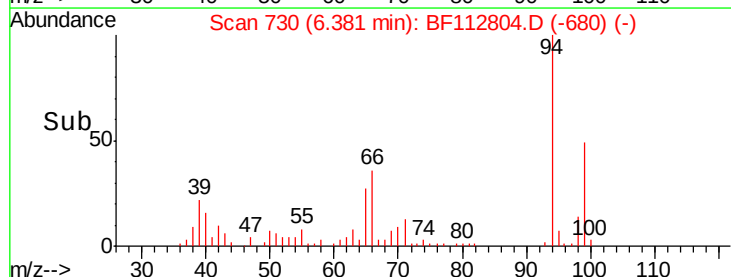
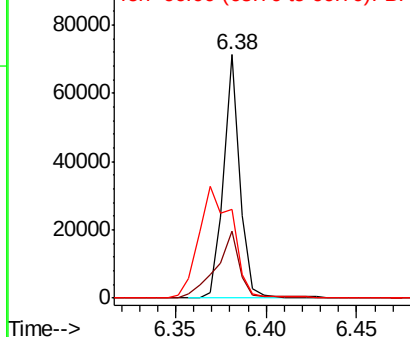
Lab File: BF112804.D

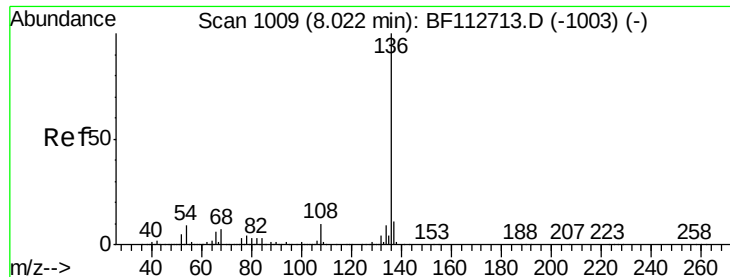
Acq: 1 Mar 2019 17:16

Tgt Ion:	94	Resp:	44826
Ion Ratio	Lower	Upper	
94	100		
65	27.3	10.5	50.5
66	36.5	22.6	62.6



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





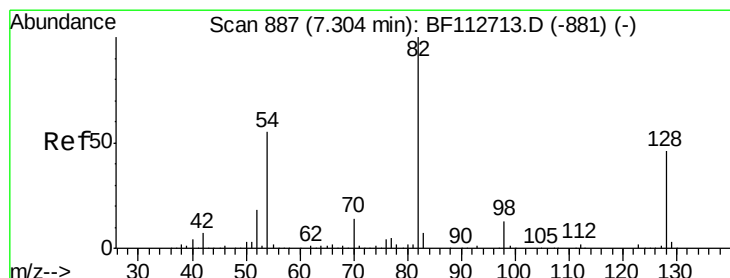
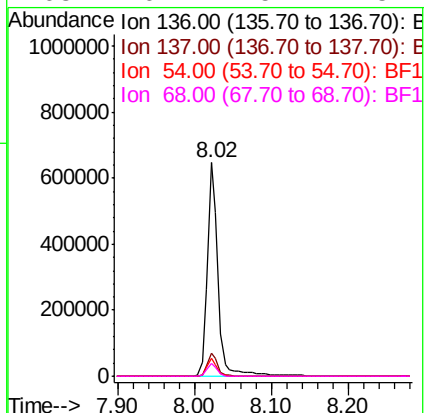
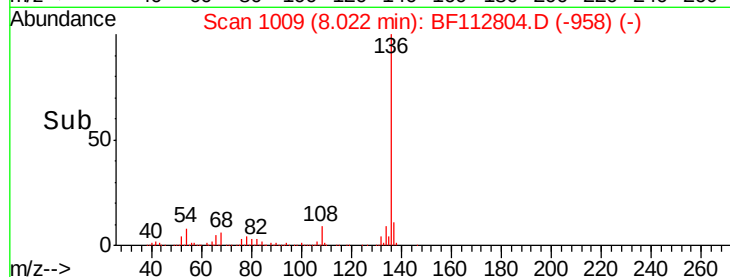
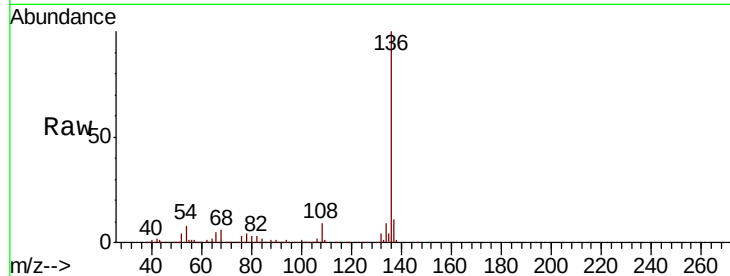
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-B

Tot Ion	Ratio	Resp	Lower	Upper
136	100	623310		
137	10.9		8.9	13.3
54	8.4		7.3	10.9
68	6.2		5.4	8.2

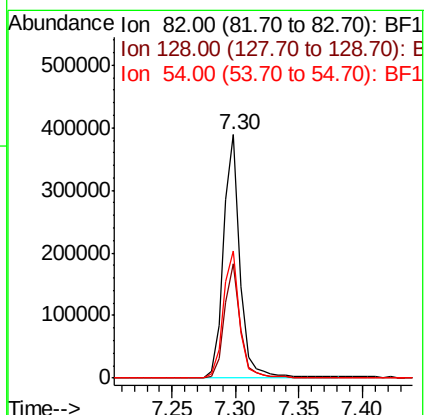
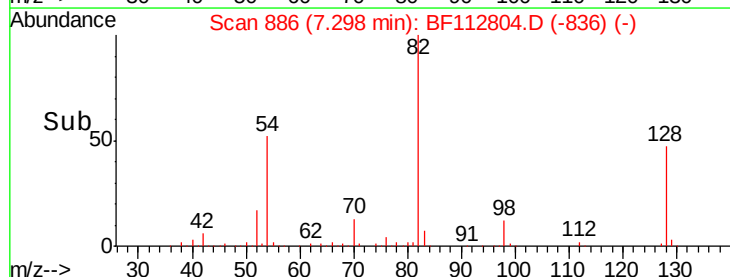
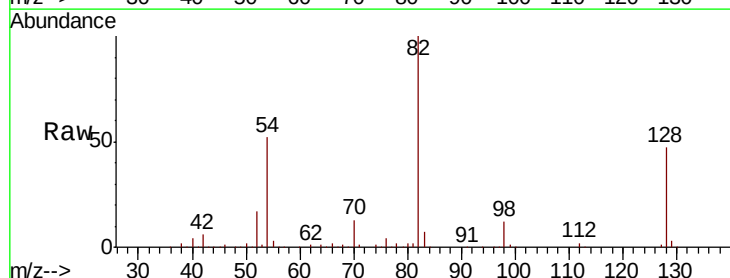
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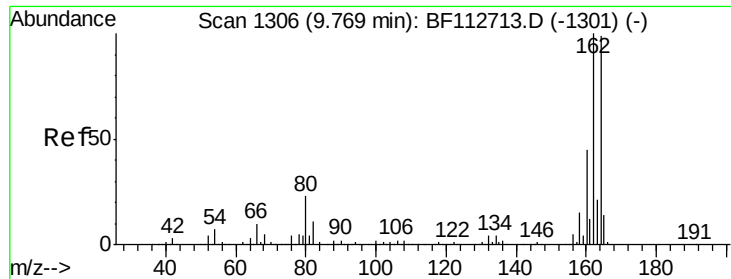
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#23
Nitrobenzene-d5
Concen: 34.058 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	354772		
128	46.7		36.3	54.5
54	52.3		43.7	65.5





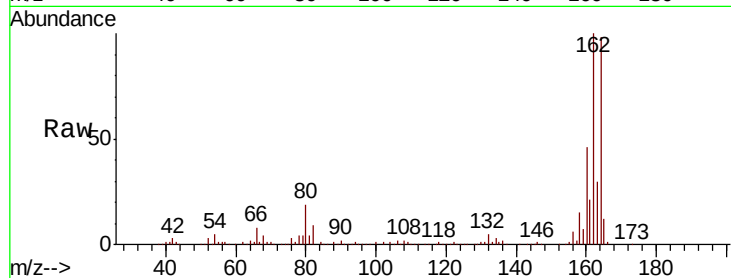
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-B

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.0	80.6	120.8	
160	46.5	36.0	54.0	

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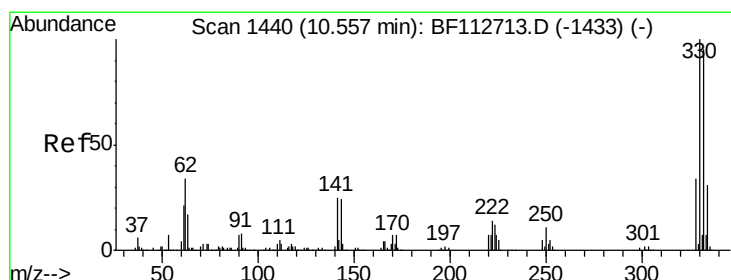
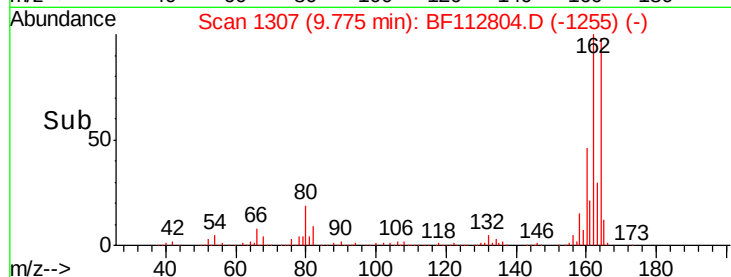
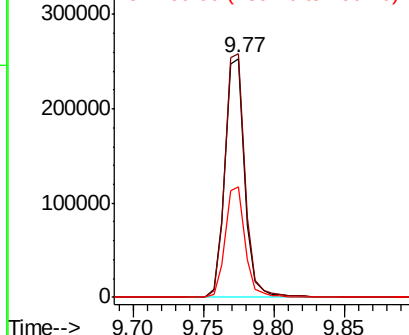


Abundance

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: 47.980 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

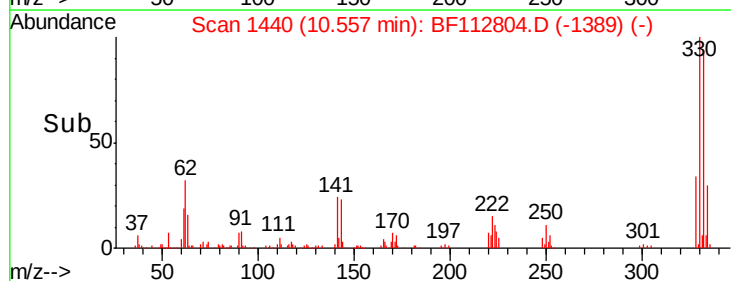
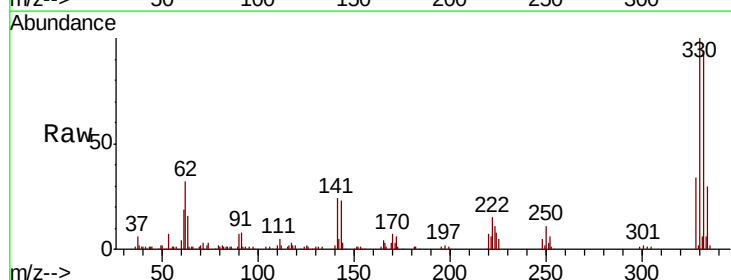
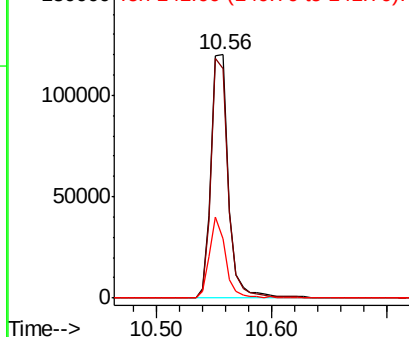
Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.0	76.2	114.4	
141	31.0	27.0	40.6	

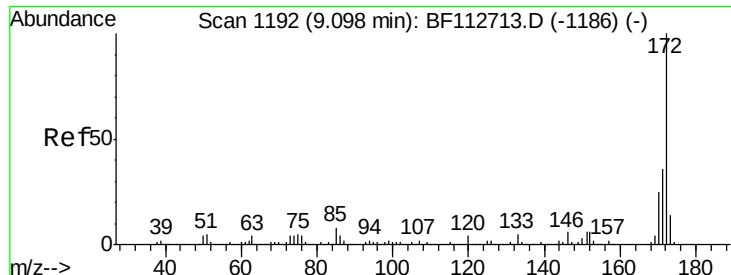
Abundance

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





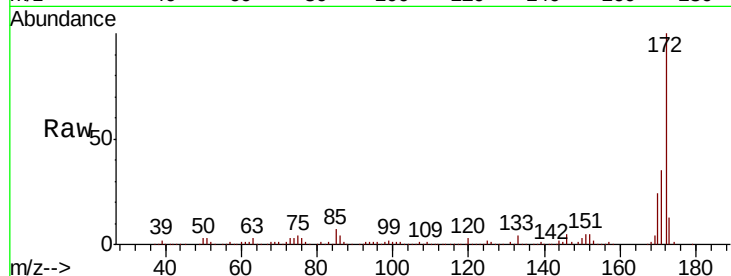
#45
2-Fluorobiphenyl
Concen: 34.002 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-B

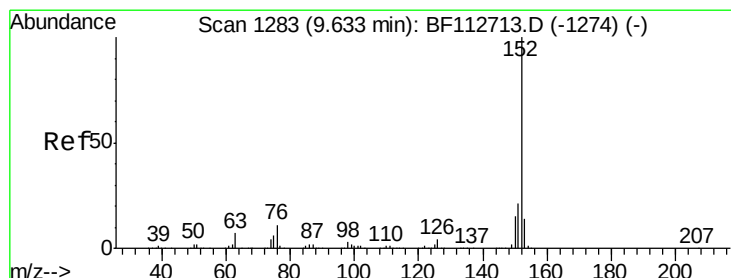
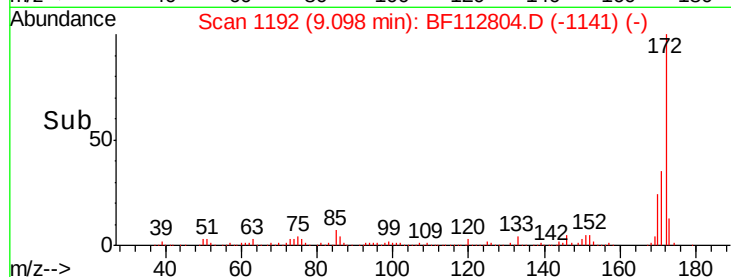
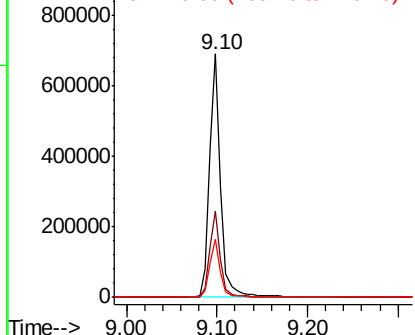
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.0	43.4
170	23.7	20.0	30.0

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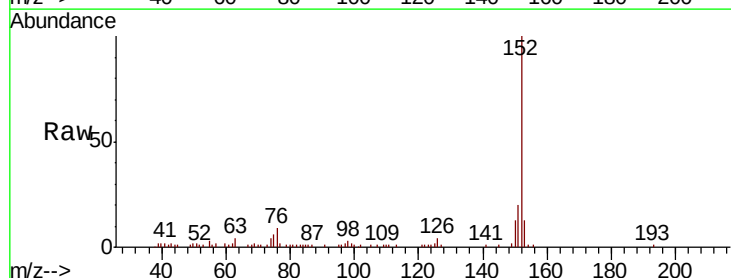


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

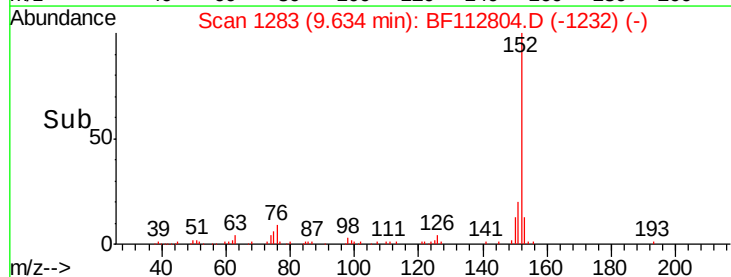
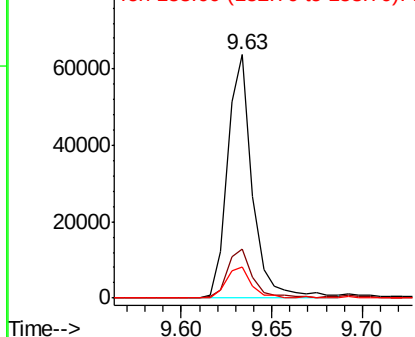


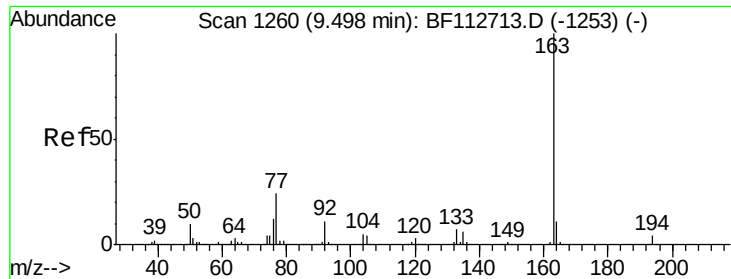
#49
Acenaphthylene
Concen: 2.278 ng
RT: 9.63 min Scan# 1283
Delta R.T. 0.00 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.9	25.3
153	12.5	11.0	16.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





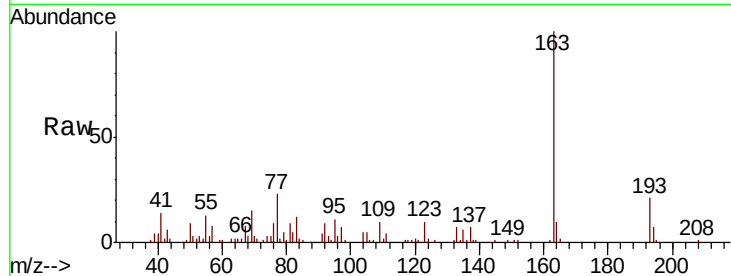
#50
Dimethylphthalate
Concen: 2.375 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-B

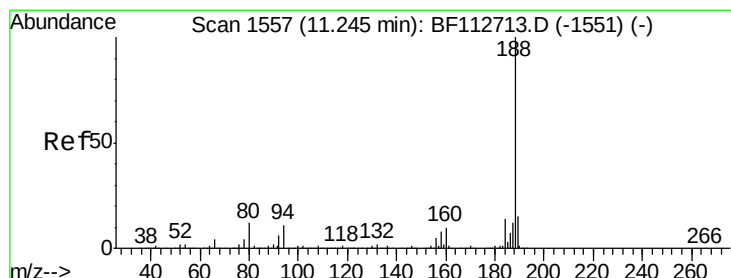
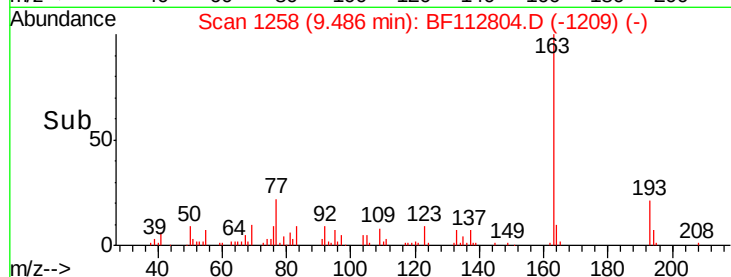
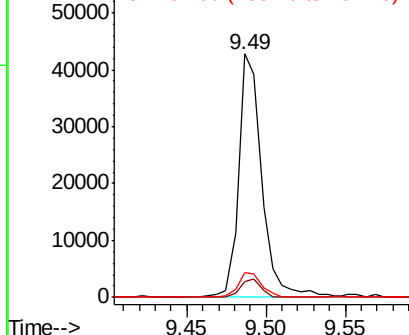
Tot Ion	Ratio	Lower	Upper
163	100		
194	6.7	3.0	4.4#
164	9.9	8.4	12.6

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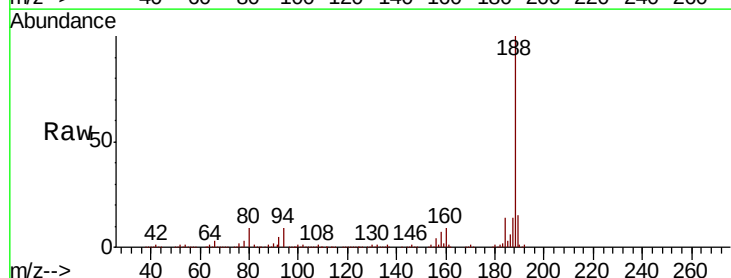


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

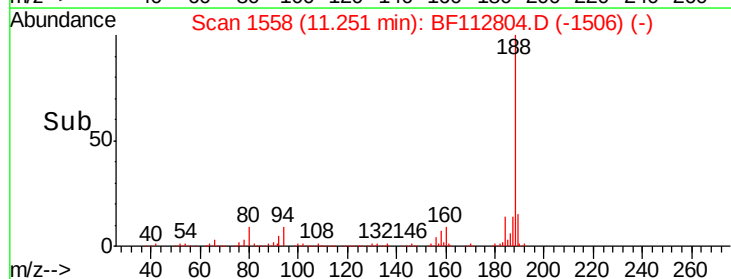
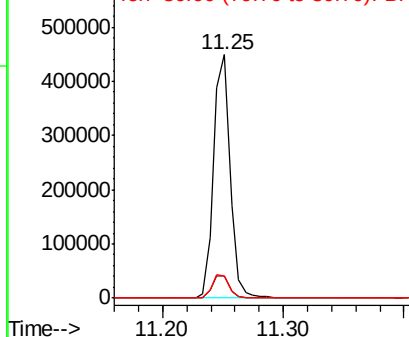


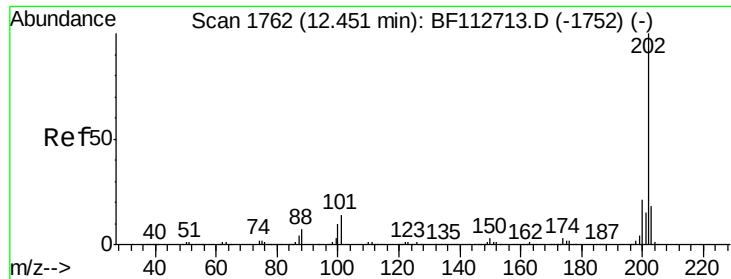
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	9.0	13.4
80	9.4	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





#75

Fluoranthene

Concen: 9.373 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112804.D

Acq: 1 Mar 2019 17:16

Instrument :

BNA_F

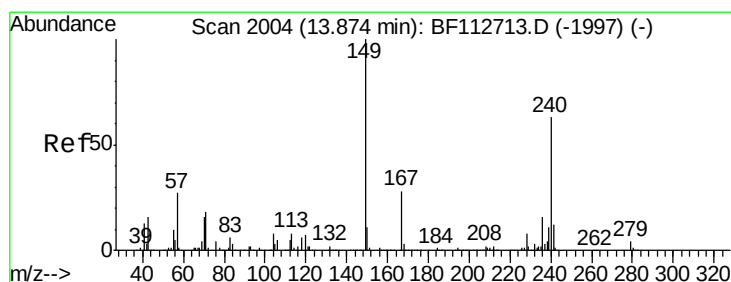
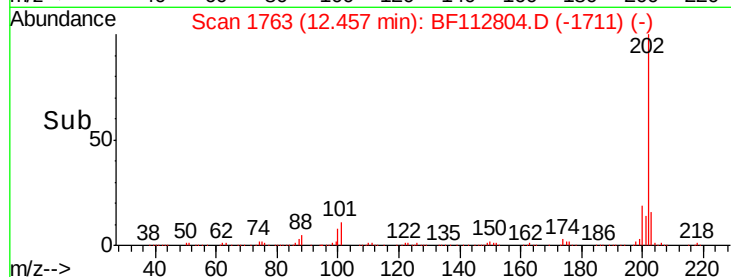
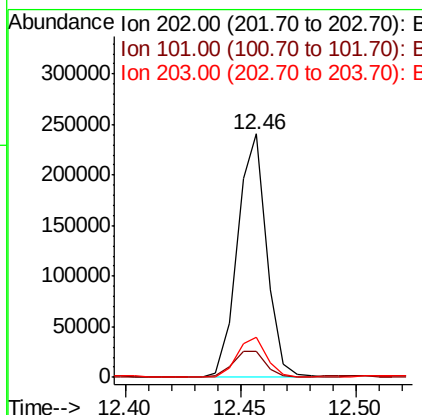
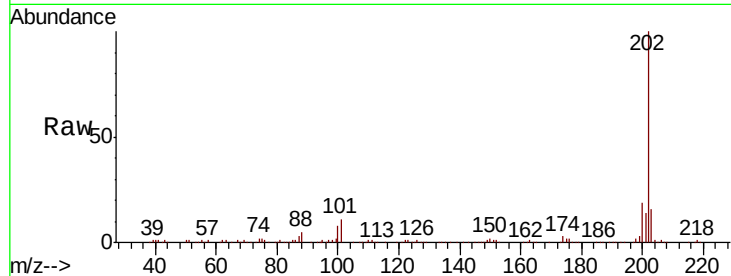
ClientSampleId :

FK-GF-02-032-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		210013		
101	10.5	0.0	33.8		
203	16.4	0.0	38.4		

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#76

Chrysene-d12

Concen: 20.000 ng

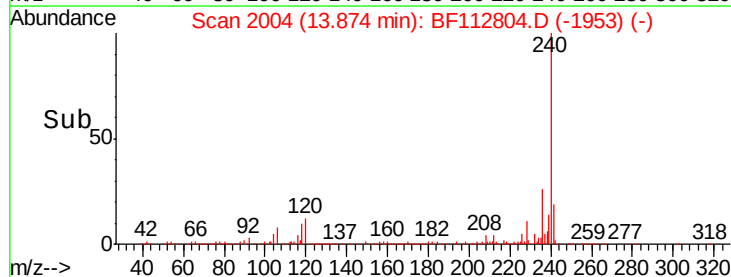
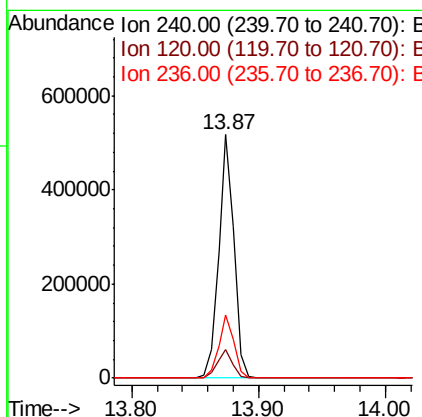
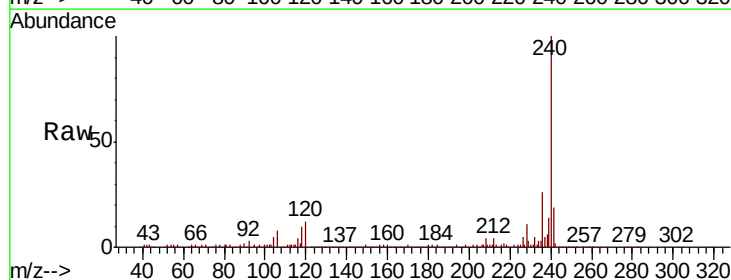
RT: 13.87 min Scan# 2004

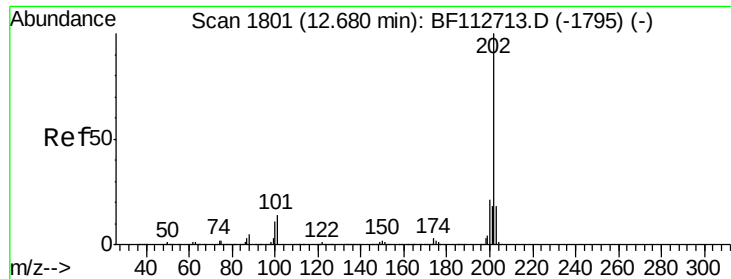
Delta R.T. 0.00 min

Lab File: BF112804.D

Acq: 1 Mar 2019 17:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		434795		
120	11.7	8.9	13.3		
236	26.0	20.7	31.1		





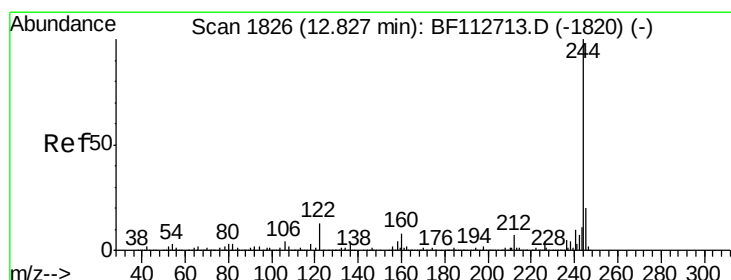
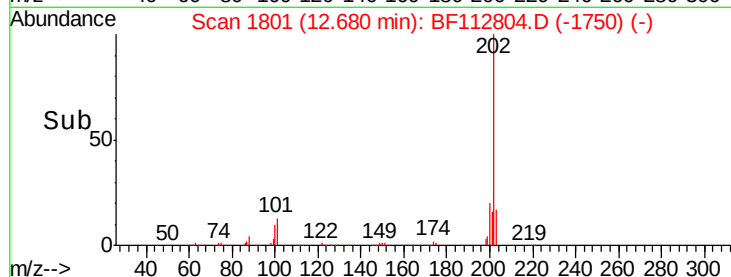
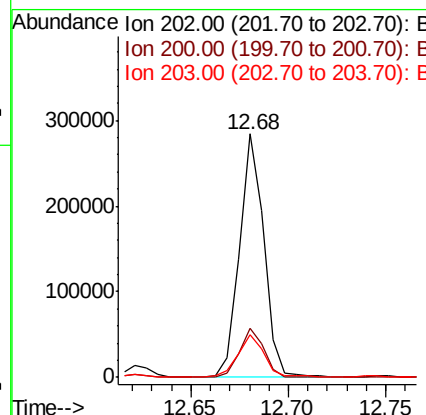
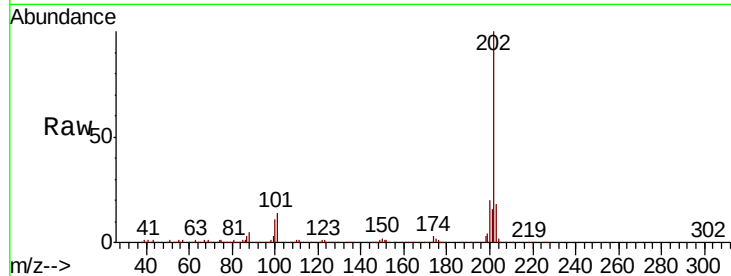
#78
Pvrene
Concen: 6.679 ng
RT: 12.68 min Scan# 1801
Delta R.T. 0.00 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.9	17.0	25.4
203	17.8	14.4	21.6

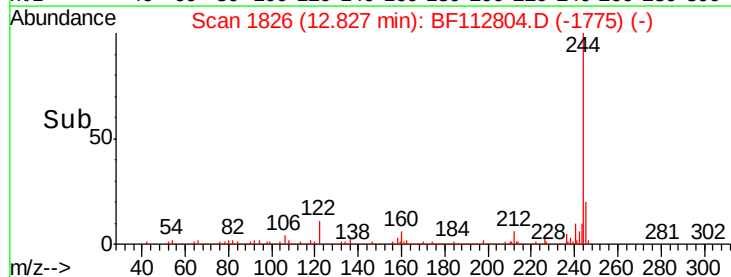
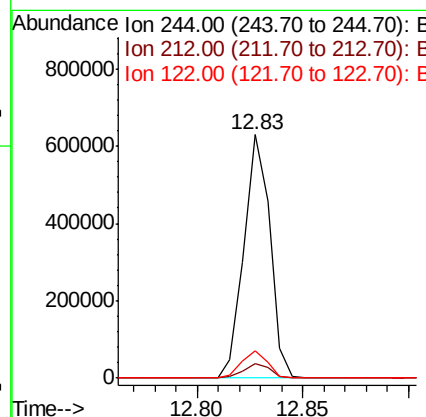
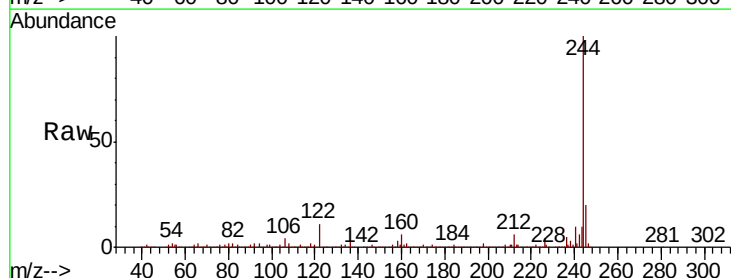
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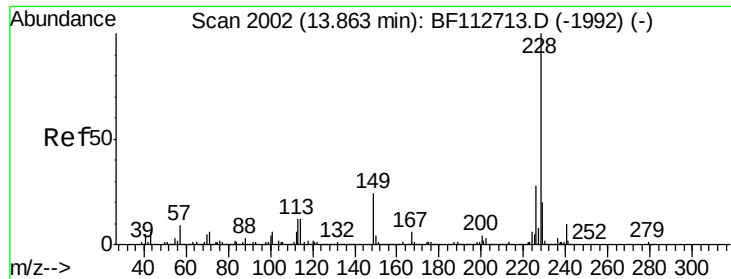
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#79
Terphenyl-d14
Concen: 23.932 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.2	5.6	8.4
122	11.4	10.5	15.7





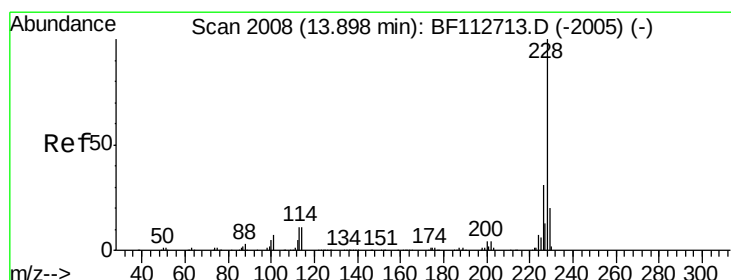
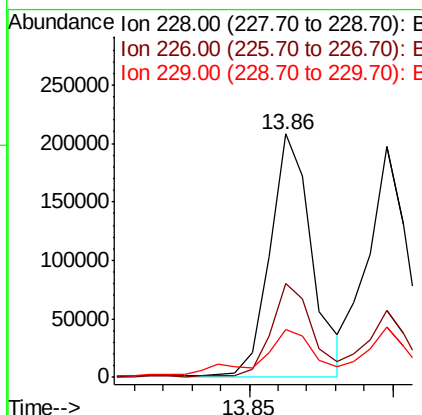
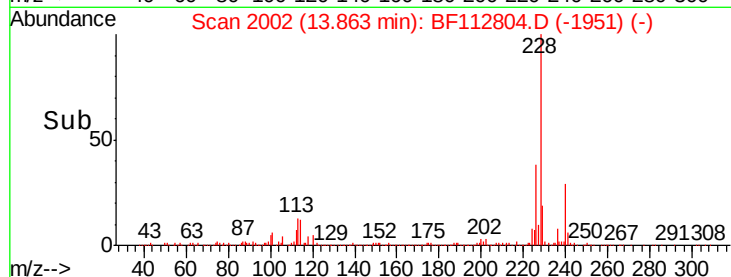
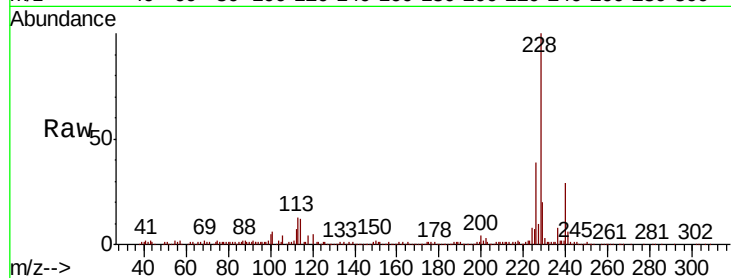
#81
Benzo(a)anthracene
Concen: 7.085 ng m
RT: 13.86 min Scan# 2002
Delta R.T. 0.00 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	38.5	22.2	33.4#
229	19.6	16.0	24.0

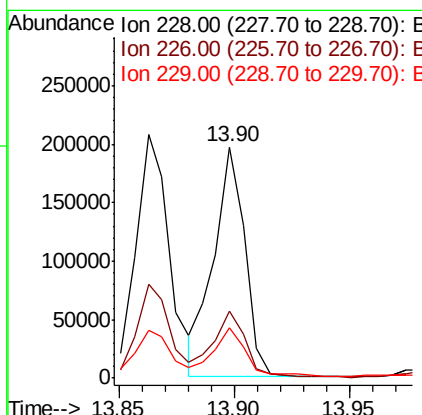
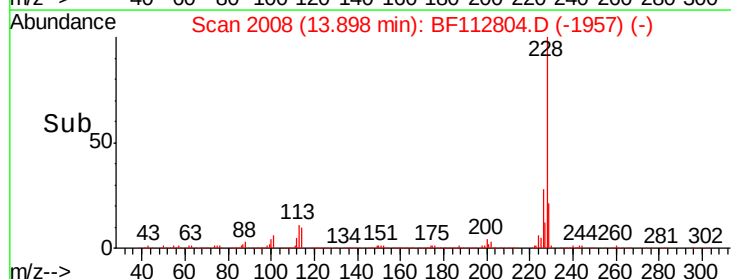
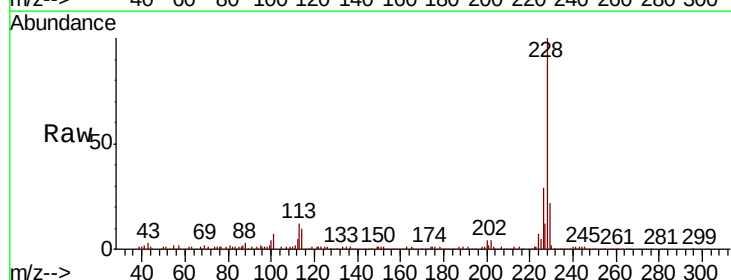
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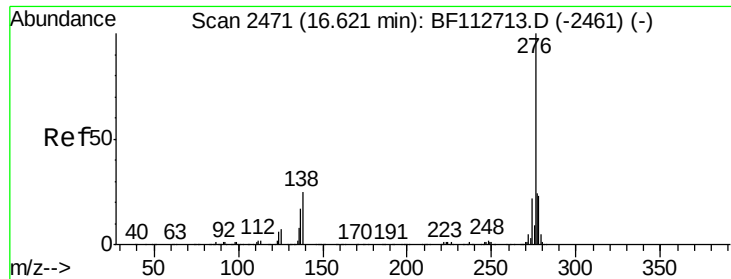
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#83
Chrysene
Concen: 6.267 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.9	37.3
229	21.6	16.3	24.5





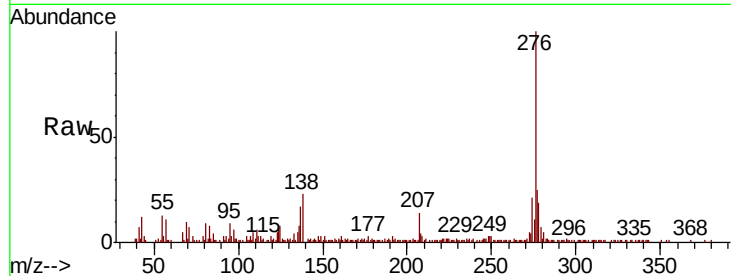
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.656 ng/ml
 RT: 16.64 min Scan# 2474
 Delta R.T. 0.02 min
 Lab File: BF112804.D
 Acq: 1 Mar 2019 17:16

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-032-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.4	23.2	34.8#
277	4.8	19.9	29.9#

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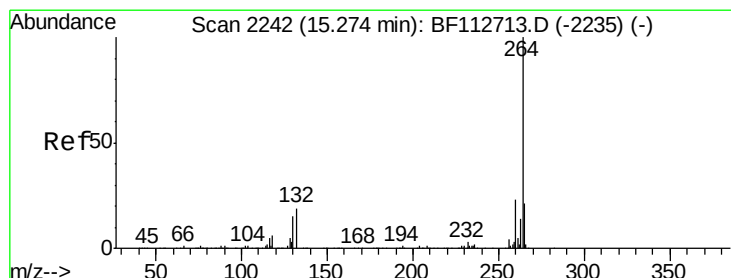
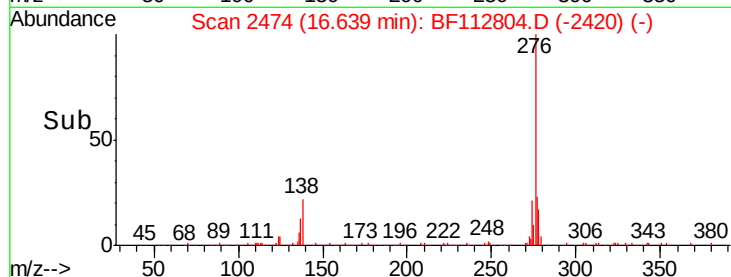
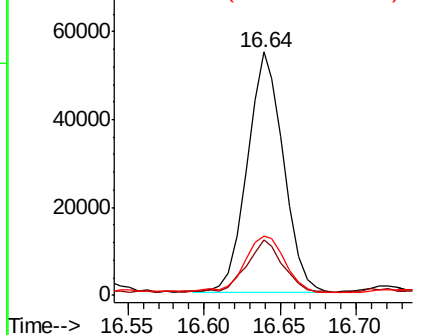


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2244
 Delta R.T. 0.01 min
 Lab File: BF112804.D
 Acq: 1 Mar 2019 17:16

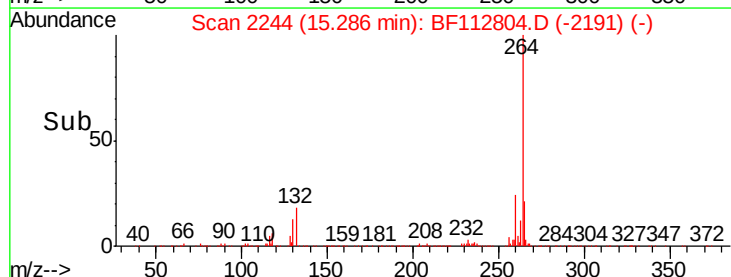
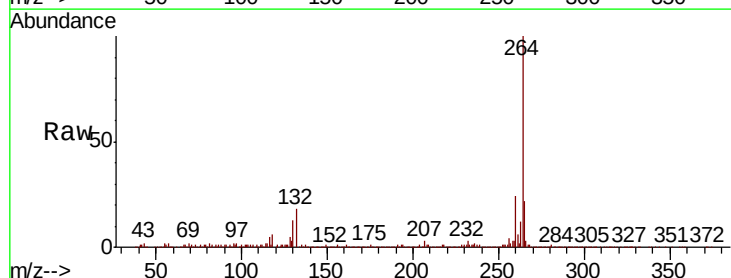
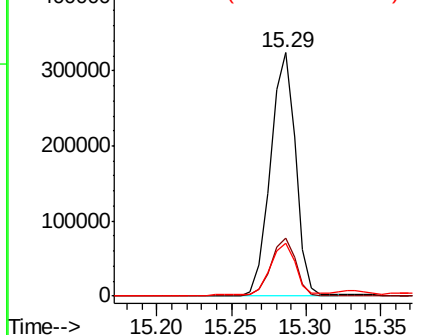
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	21.5	17.2	25.8

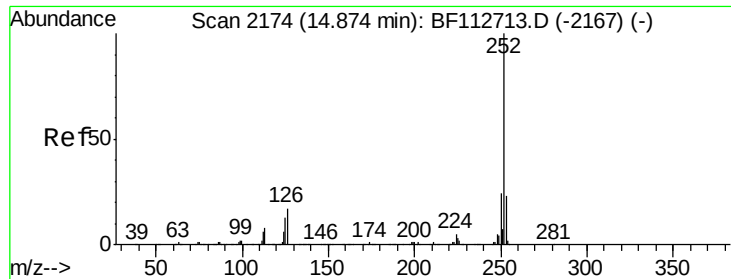
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





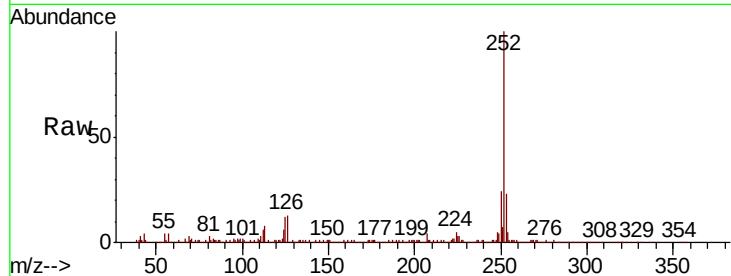
#88
Benzo(b)fluoranthene
Concen: 12.609 ng m
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-B

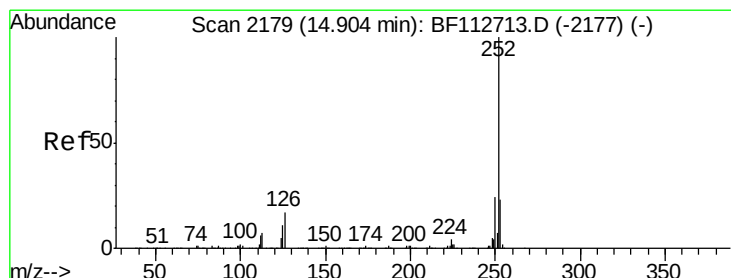
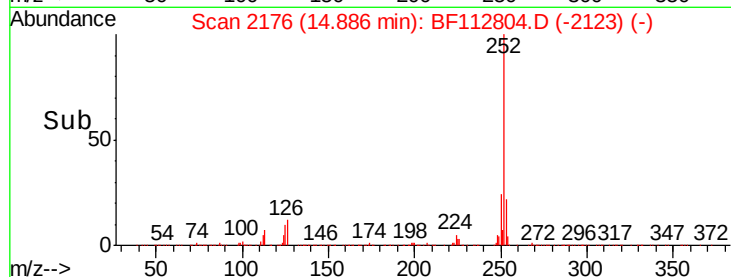
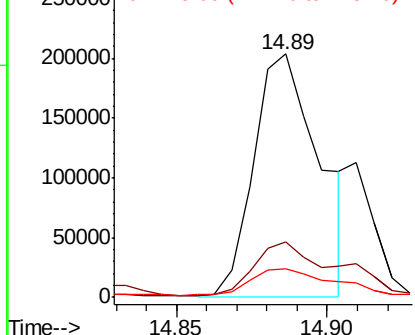
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.6	10.2	15.2

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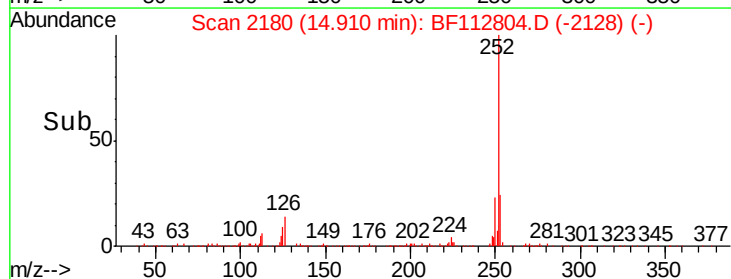
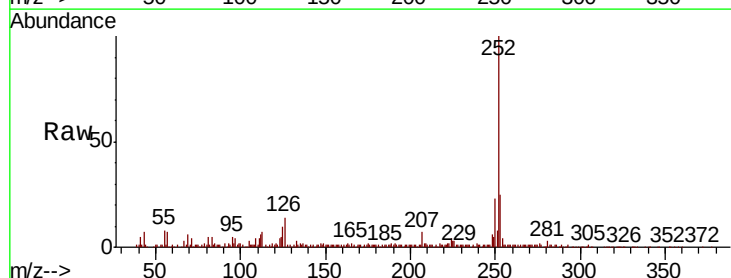
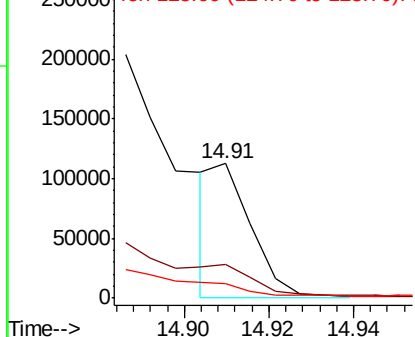
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

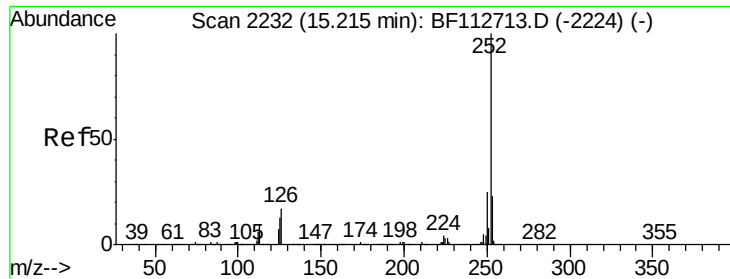


#89
Benzo(k)fluoranthene
Concen: 3.152 ng m
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.2	27.2
125	10.5	9.8	14.6

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





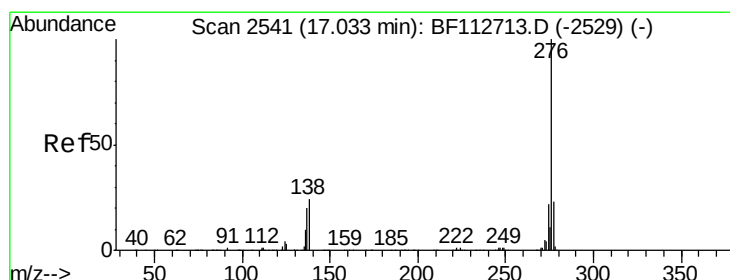
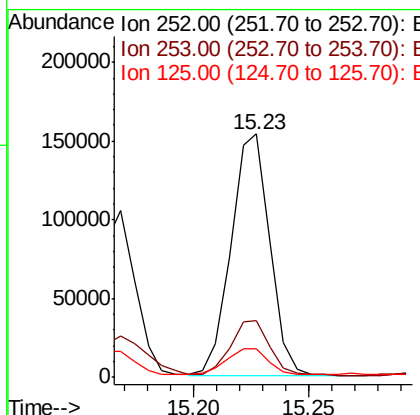
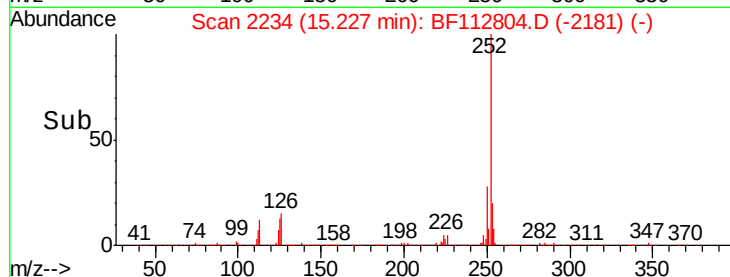
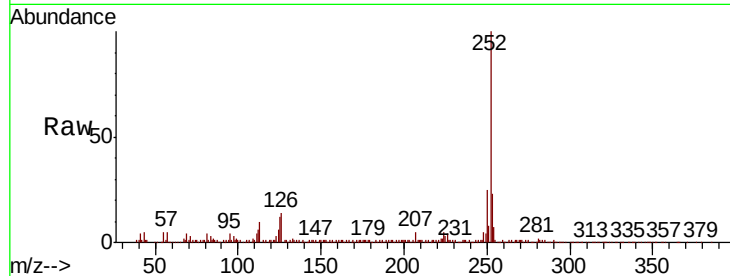
#90
Benzo(a)pyrene
Concen: 8.292 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	11.7	10.7	16.1

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#92
Benzo(g,h,i)perylene
Concen: 4.458 ng
RT: 17.04 min Scan# 2543
Delta R.T. 0.01 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	27.8
138	25.2	19.4	29.0

