

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021720\
 Data File : BG044466.D
 Acq On : 18 Feb 2020 3:28
 Operator : CG/JU
 Sample : L1529-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-049-B

Manual Integrations
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Quant Time: Feb 18 06:50:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	81767	20.00	ng	-0.01
21) Naphthalene-d8	10.69	136	345390	20.00	ng	-0.01
39) Acenaphthene-d10	14.53	164	222156	20.00	ng	-0.01
64) Phenanthrene-d10	17.27	188	478431	20.00	ng	-0.01
76) Chrysene-d12	21.52	240	456350	20.00	ng	-0.02
87) Perylene-d12	24.60	264	488491	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	435430	93.98	ng	0.00
7) Phenol-d6	7.06	99	578226	92.94	ng	-0.01
23) Nitrobenzene-d5	9.05	82	346846	56.69	ng	-0.01
42) 2,4,6-Tribromophenol	16.02	330	222391	85.27	ng	-0.01
45) 2-Fluorobiphenyl	13.15	172	794716	59.90	ng	-0.01
79) Terphenyl-d14	19.89	244	1195384	53.88	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.31	178	194544	8.40	ng	95
75) Fluoranthene	19.33	202	341686	12.75	ng	96
78) Pyrene	19.69	202	300023	10.24	ng	95
81) Benzo(a)anthracene	21.50	228	174945	6.22	ng	96
83) Chrysene	21.56	228	164615	6.06	ng	95
86) Indeno(1,2,3-cd)pyrene	28.08	276	117052	3.30	ng	95
88) Benzo(b)fluoranthene	23.63	252	240104	8.53	ng	98
89) Benzo(k)fluoranthene	23.68	252	86941m	3.17	ng	
90) Benzo(a)pyrene	24.45	252	167677	6.30	ng	97
92) Benzo(g,h,i)perylene	29.16	276	115765	4.39	ng	99

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

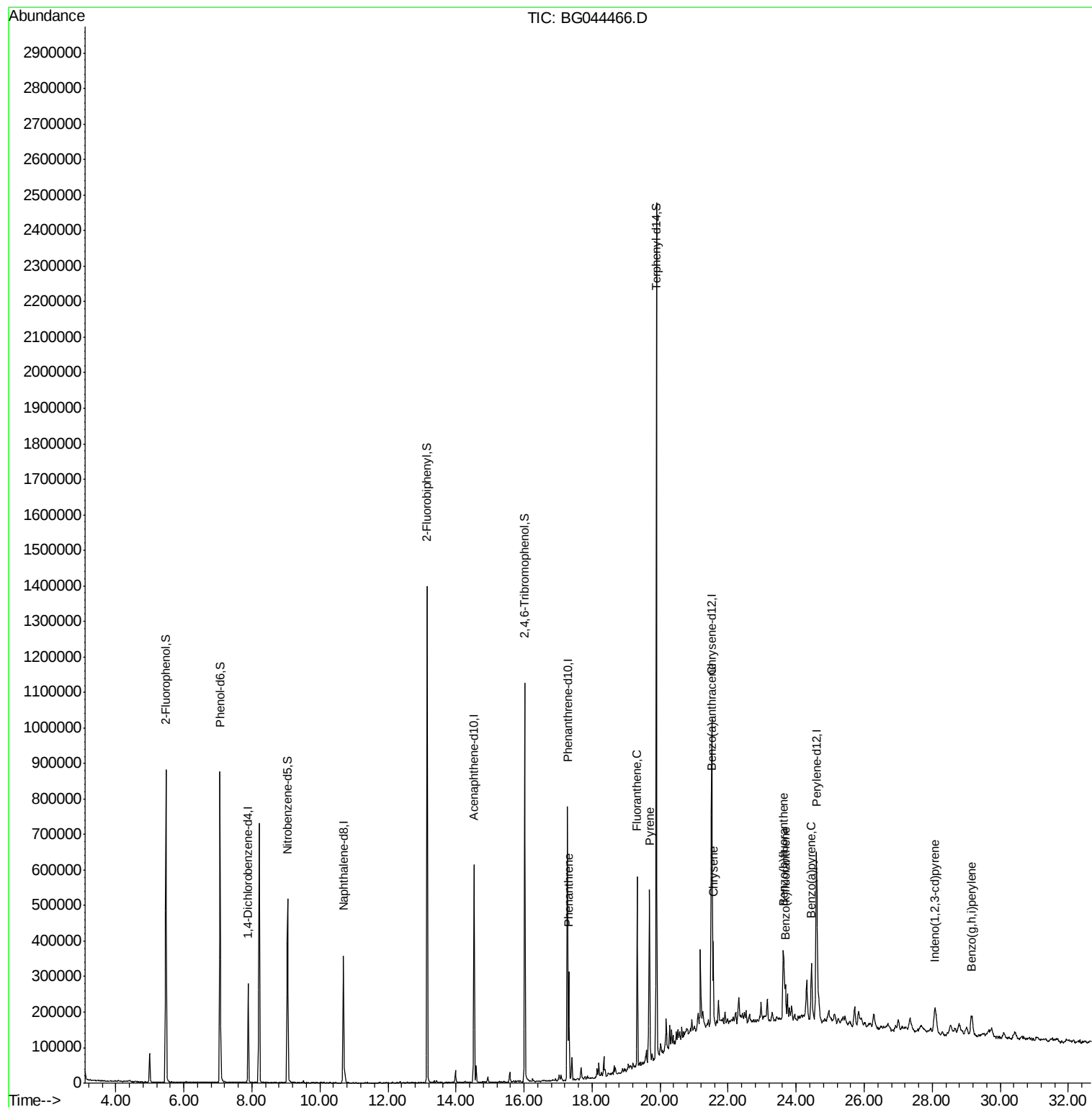
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Data File : BG044466.D
Acq On : 18 Feb 2020 3:28
Operator : CG/JU
Sample : L1529-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

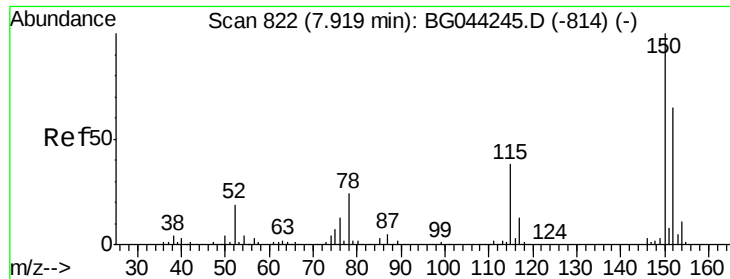
Instrument :
BNA_G
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FK-GF-02-049-B

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Quant Time: Feb 18 06:50:37 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 10 16:11:50 2020
Response via : Initial Calibration





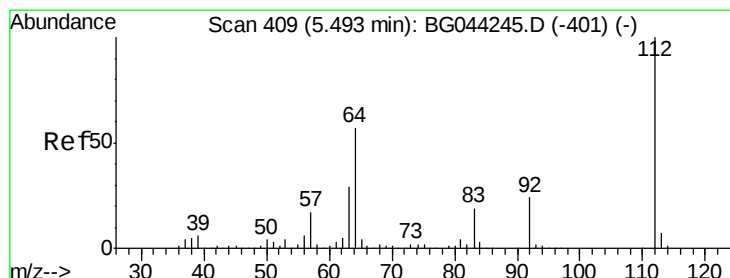
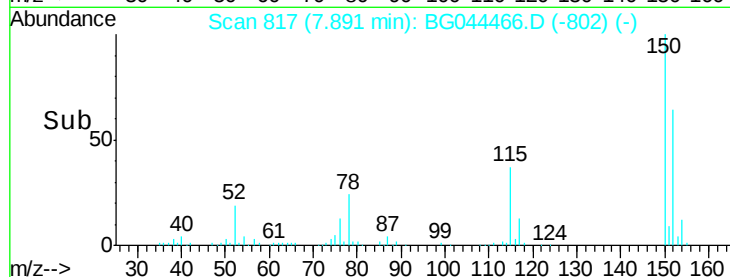
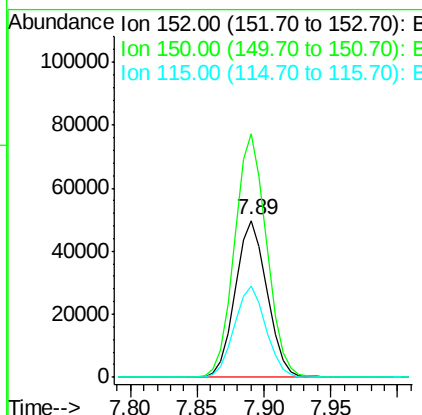
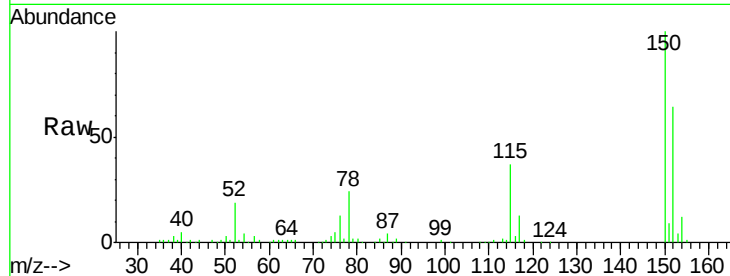
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BG044466.D
 Acq: 18 Feb 2020 3:28

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-049-B

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.5	122.6	183.8
115	58.1	46.0	69.0

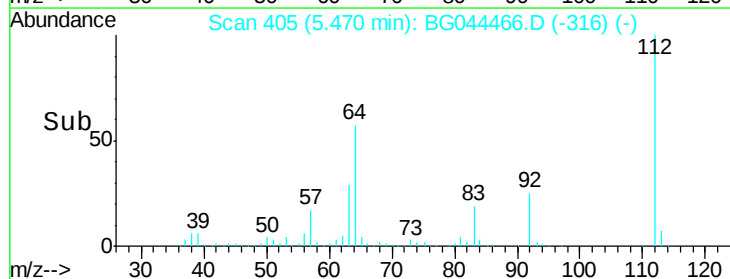
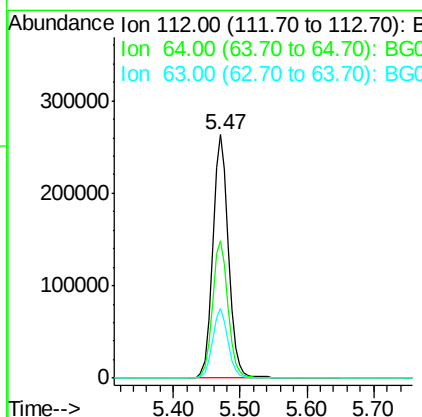
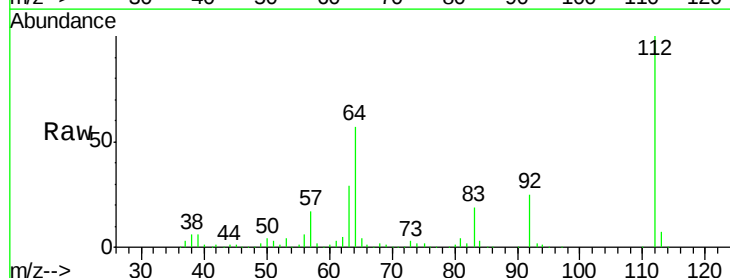
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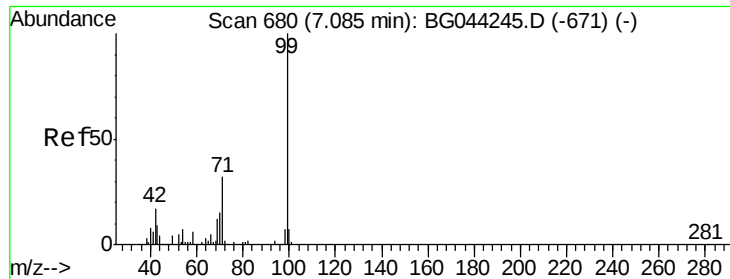
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#5
 2-Fluorophenol
 Concen: 93.98 ng
 RT: 5.47 min Scan# 405
 Delta R.T. -0.01 min
 Lab File: BG044466.D
 Acq: 18 Feb 2020 3:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	45.4	68.2
63	28.7	22.9	34.3





#7

Phenol-d6

Concen: 92.94 ng

RT: 7.06 min Scan# 676

Delta R.T. -0.01 min

Lab File: BG044466.D

Acq: 18 Feb 2020 3:28

Instrument :

BNA_G

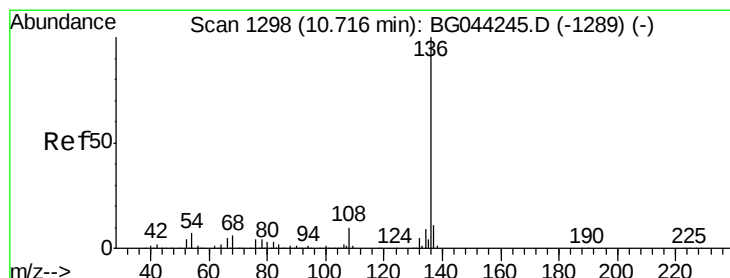
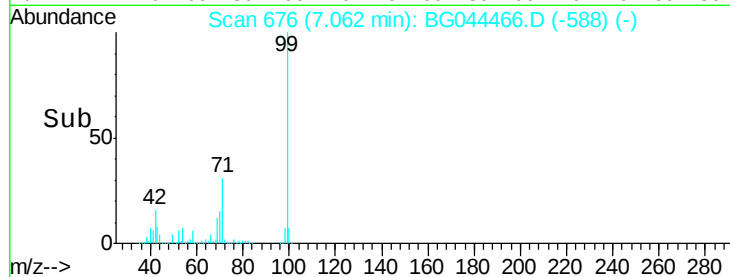
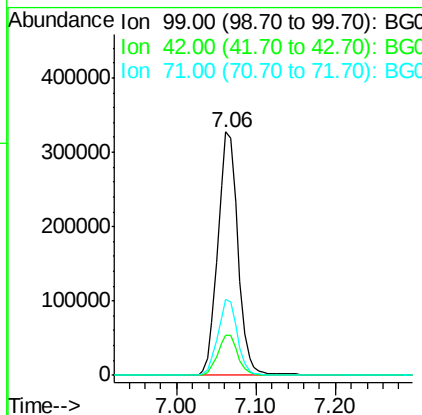
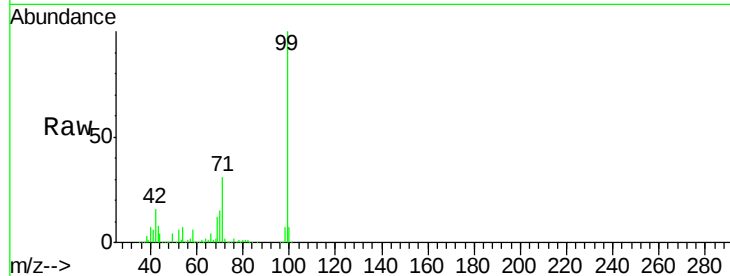
ClientSampleId :

FK-GF-02-049-B

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		578226		
42	16.2	13.8	20.6		
71	31.1	25.5	38.3		

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#21

Naphthalene-d8

Concen: 20.00 ng

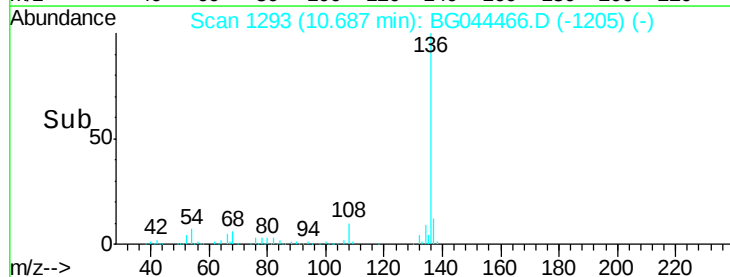
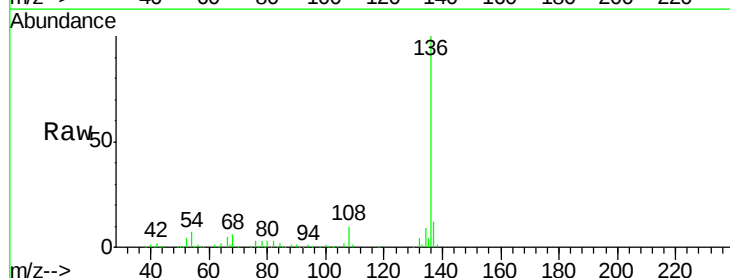
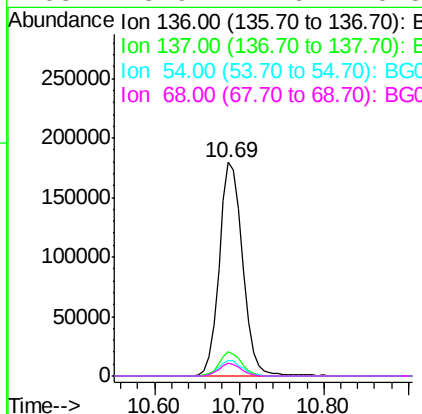
RT: 10.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BG044466.D

Acq: 18 Feb 2020 3:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		345390		
137	11.7	8.8	13.2		
54	7.3	5.8	8.8		
68	5.9	4.6	6.8		





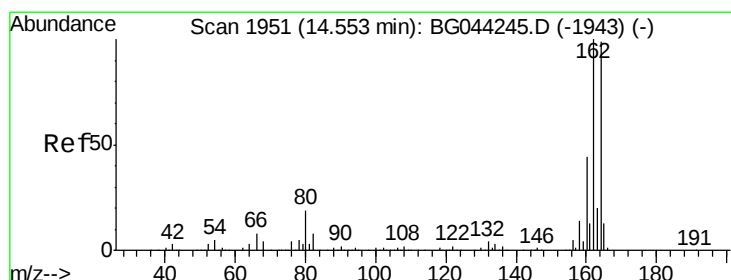
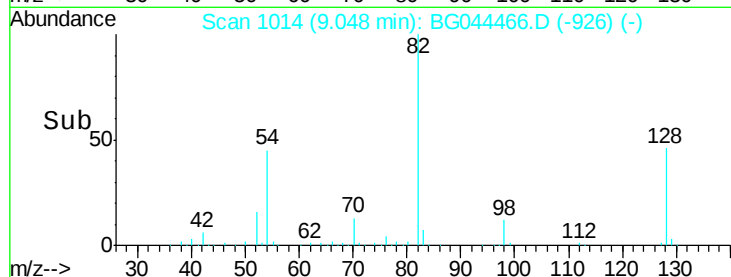
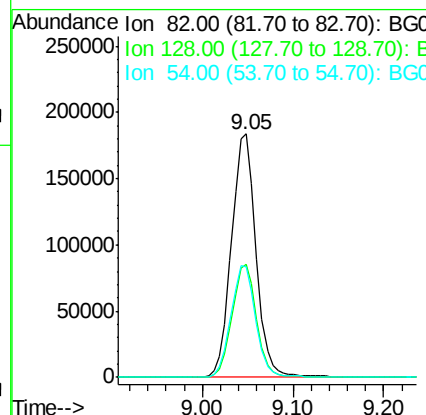
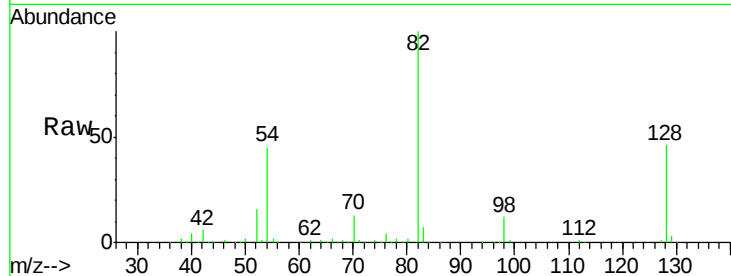
#23
 Nitrobenzene-d5
 Concen: 56.69 ng
 RT: 9.05 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BG044466.D
 Acq: 18 Feb 2020 3:28

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-049-B

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	346846		
128	46.3	36.5	54.7	
54	45.3	38.6	58.0	

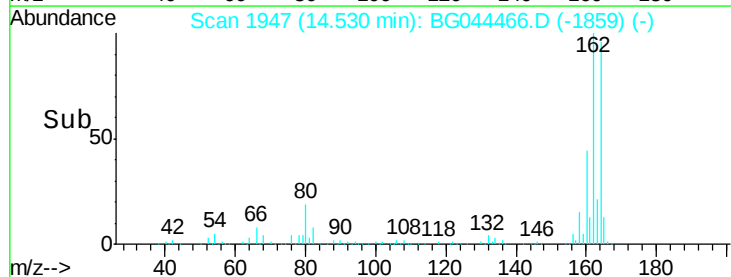
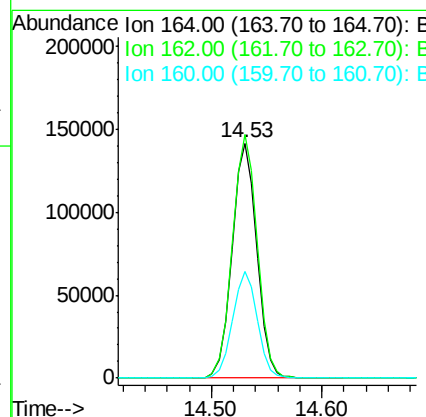
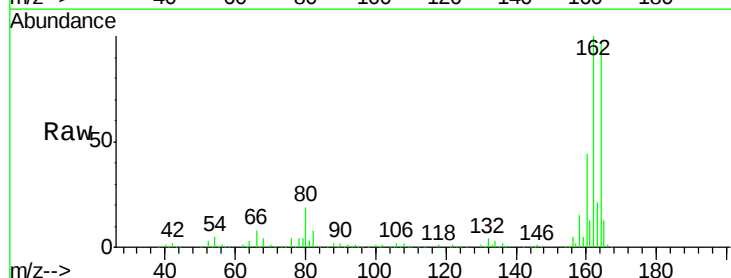
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#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. -0.01 min
 Lab File: BG044466.D
 Acq: 18 Feb 2020 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	222156		
162	103.6	80.7	121.1	
160	45.3	35.3	52.9	





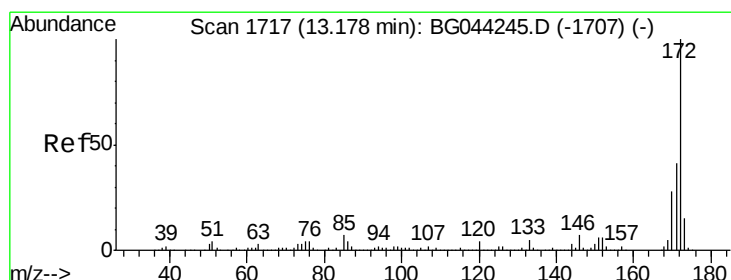
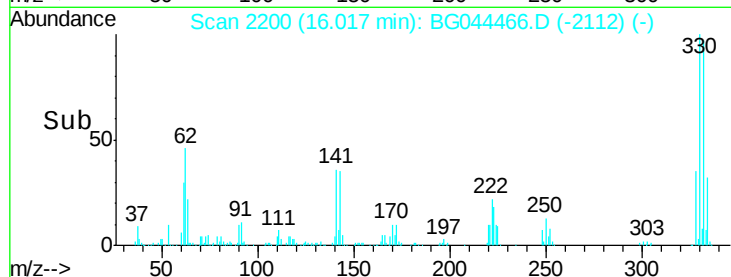
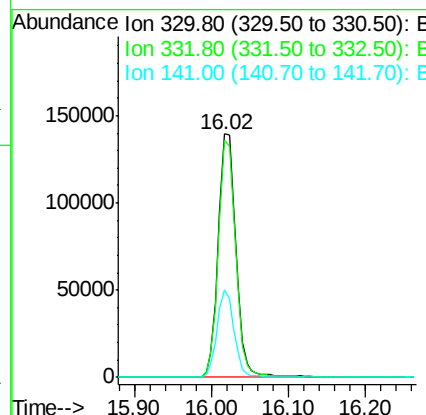
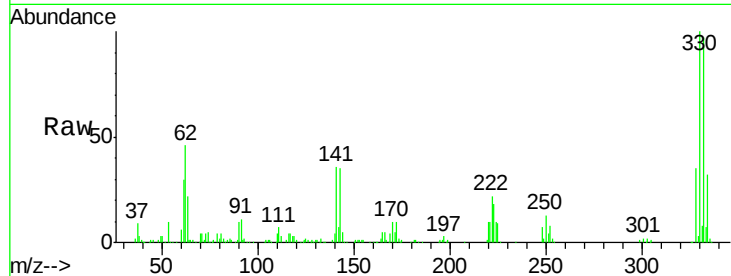
#42
 2,4,6-Tribromophenol
 Concen: 85.27 ng
 RT: 16.02 min Scan# 2200
 Delta R.T. -0.01 min
 Lab File: BG044466.D
 Acq: 18 Feb 2020 3:28

Instrument :
 BNA_G
 ClientSampled :
 FK-GF-02-049-B

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	222391		
332	95.2	77.2	115.8	
141	34.3	28.3	42.5	

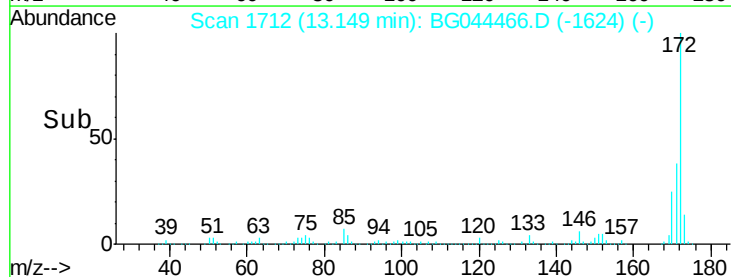
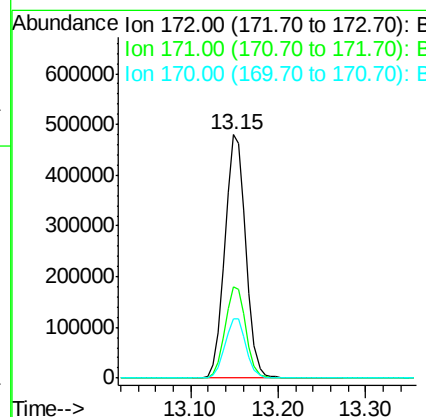
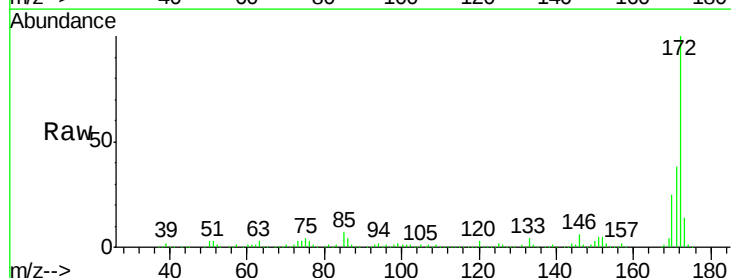
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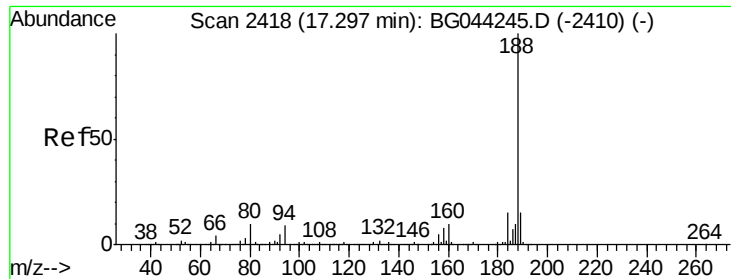
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#45
 2-Fluorobiphenyl
 Concen: 59.90 ng
 RT: 13.15 min Scan# 1712
 Delta R.T. -0.01 min
 Lab File: BG044466.D
 Acq: 18 Feb 2020 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	794716		
171	37.8	32.9	49.3	
170	24.6	22.0	33.0	





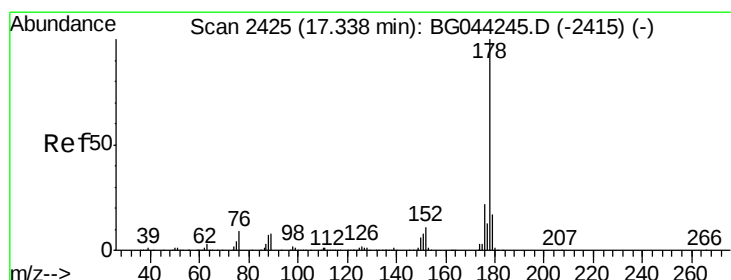
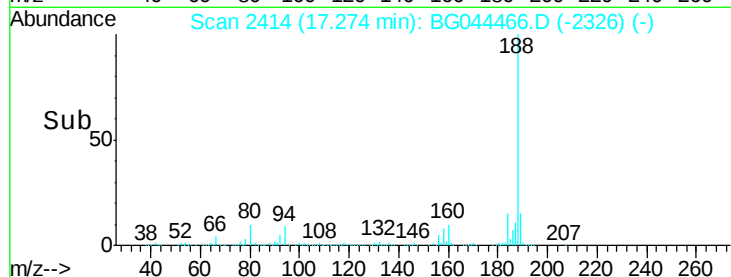
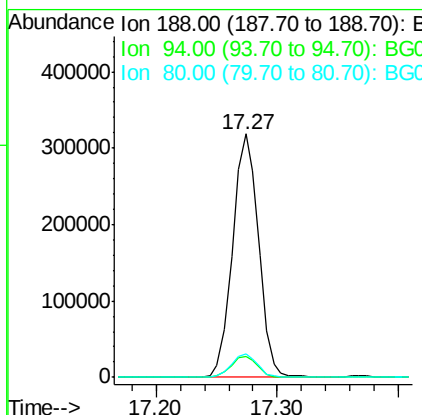
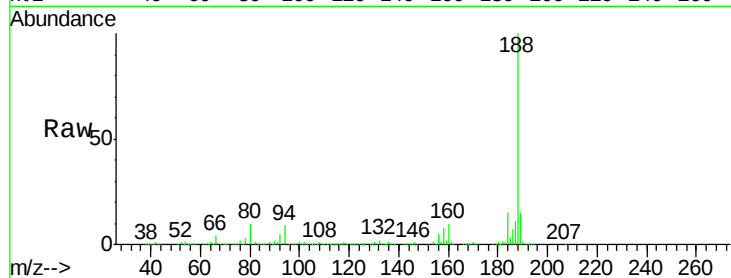
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.27 min Scan# 2414
Delta R.T. -0.01 min
Lab File: BG044466.D
Acq: 18 Feb 2020 3:28

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-049-B

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	478431		
94	8.7		7.4	11.2
80	9.8		7.7	11.5

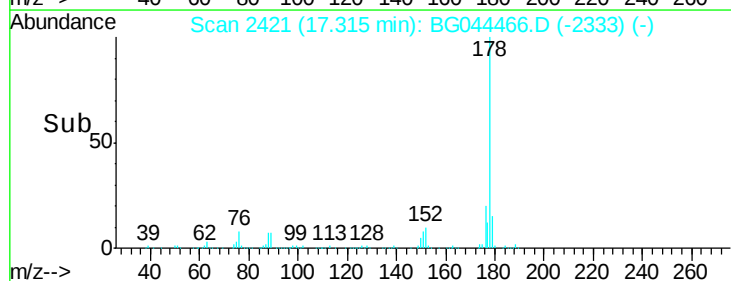
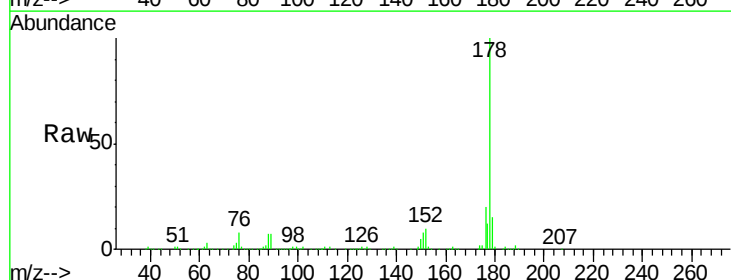
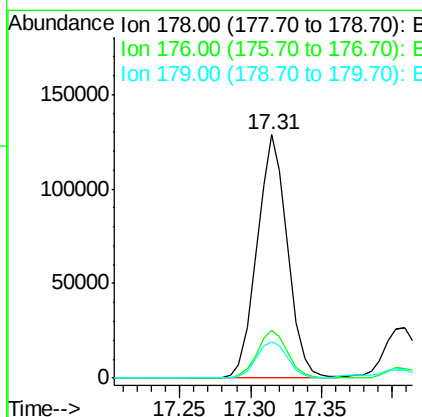
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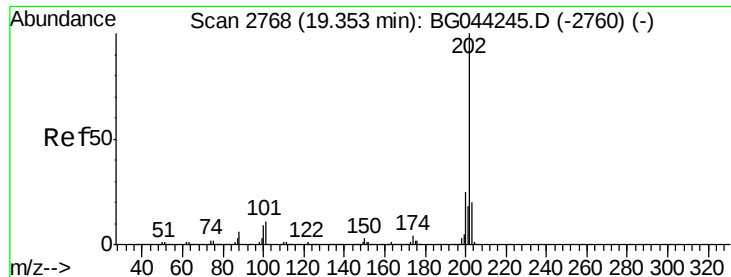
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#71
Phenanthrene
Concen: 8.40 ng
RT: 17.31 min Scan# 2421
Delta R.T. -0.01 min
Lab File: BG044466.D
Acq: 18 Feb 2020 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	194544		
176	19.8		17.7	26.5
179	15.1		13.7	20.5





#75

Fluoranthene

Concen: 12.75 ng

RT: 19.33 min Scan# 2764

Delta R.T. -0.01 min

Lab File: BG044466.D

Acq: 18 Feb 2020 3:28

Instrument :

BNA_G

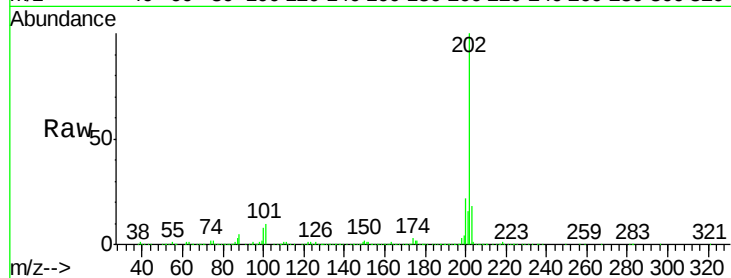
ClientSampleId :

FK-GF-02-049-B

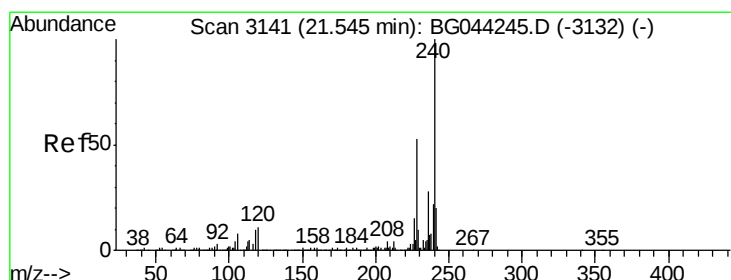
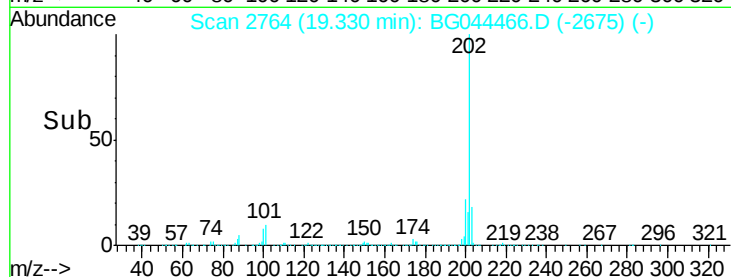
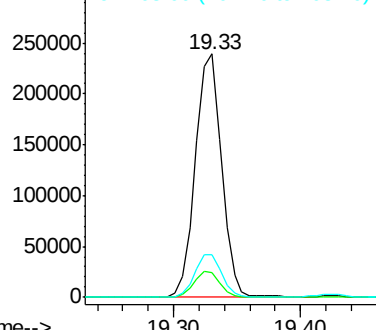
Tgt	Ion	202	Resp:	341686
Ion	Ratio	Lower	Upper	
202	100			
101	10.2	0.0	31.3	
203	17.7	0.0	39.9	

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.00 ng

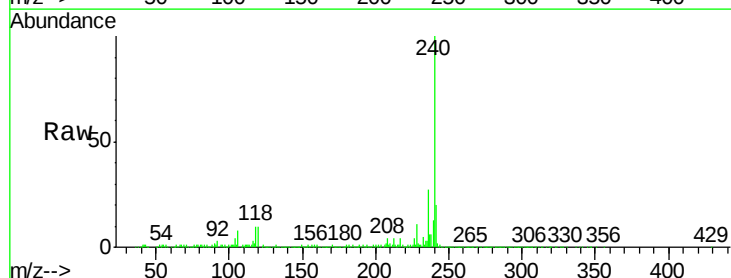
RT: 21.52 min Scan# 3136

Delta R.T. -0.02 min

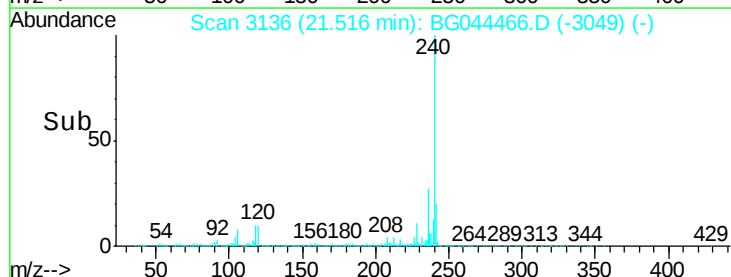
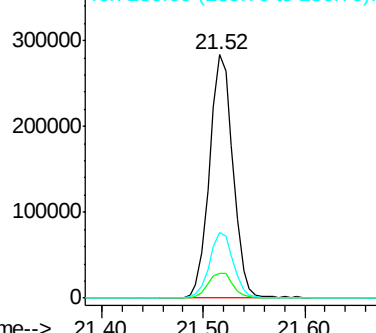
Lab File: BG044466.D

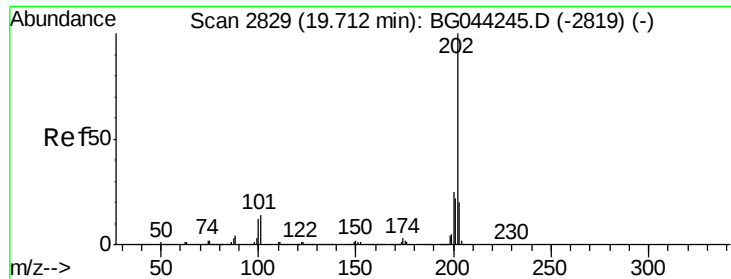
Acq: 18 Feb 2020 3:28

Tgt	Ion	240	Resp:	456350
Ion	Ratio	Lower	Upper	
240	100			
120	10.4	8.4	12.6	
236	27.0	22.1	33.1	



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





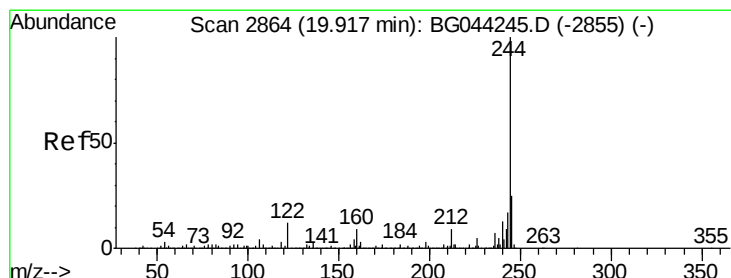
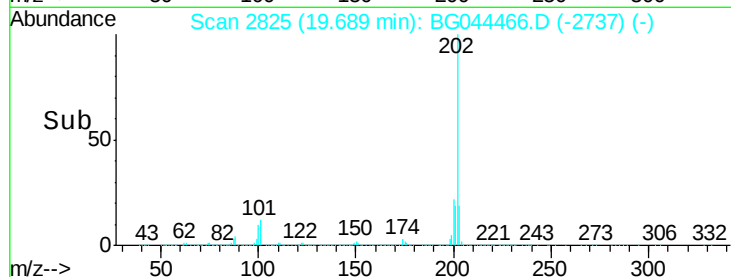
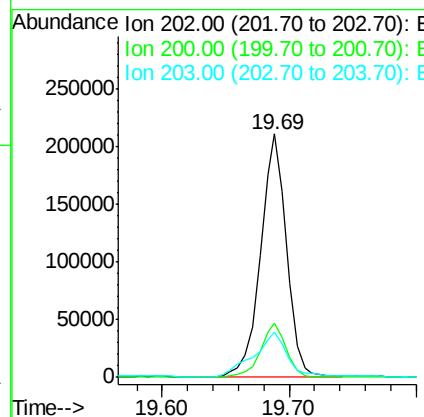
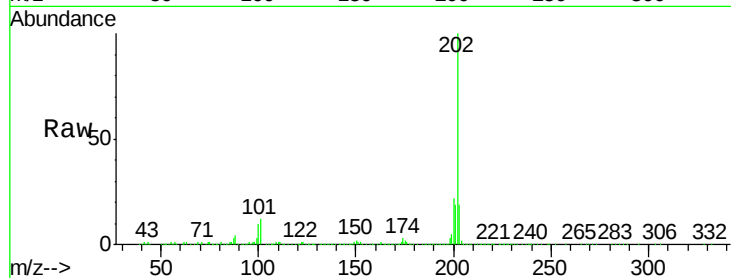
#78
 Pyrene
 Concen: 10.24 ng
 RT: 19.69 min Scan# 2825
 Delta R.T. -0.01 min
 Lab File: BG044466.D
 Acq: 18 Feb 2020 3:28

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-049-B

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	20.0	30.0
203	18.6	16.2	24.2

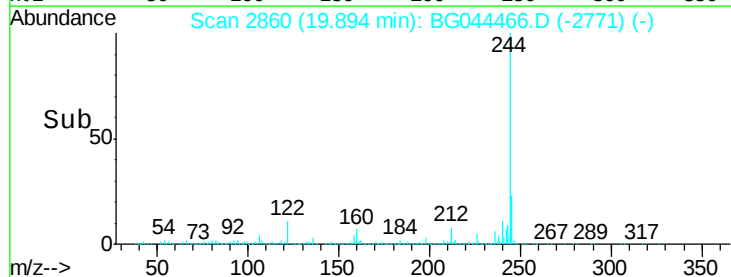
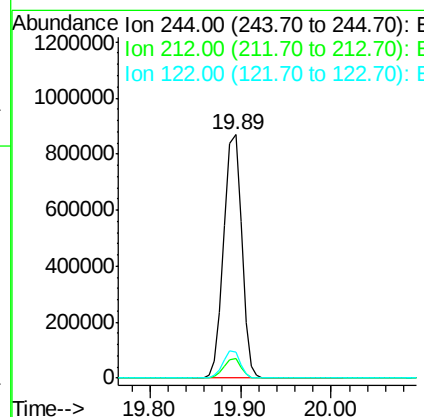
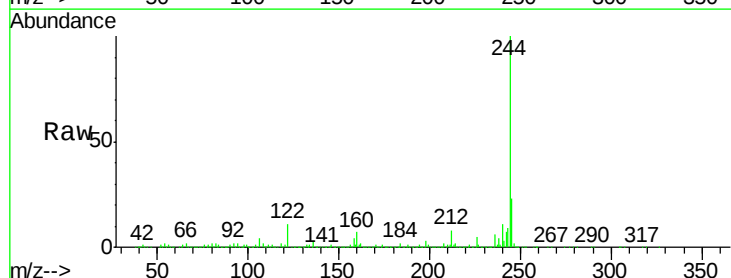
Manual Integrations
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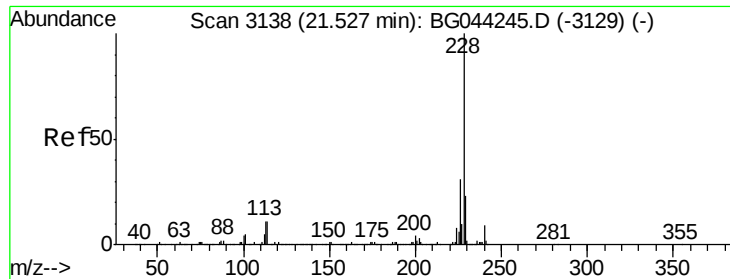
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#79
 Terphenyl-d14
 Concen: 53.88 ng
 RT: 19.89 min Scan# 2860
 Delta R.T. -0.01 min
 Lab File: BG044466.D
 Acq: 18 Feb 2020 3:28

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	7.4	11.2
122	10.7	9.8	14.6





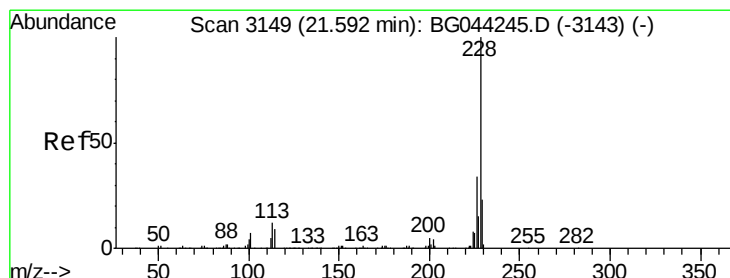
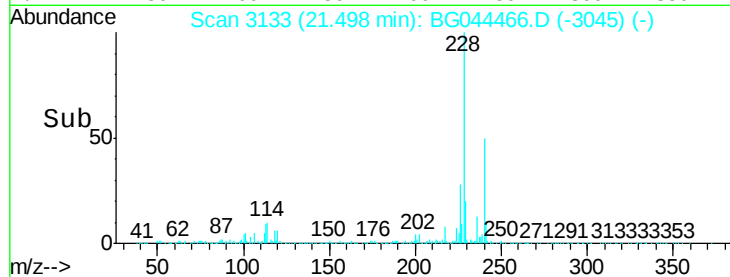
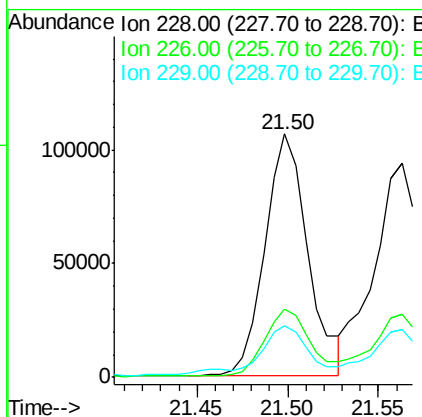
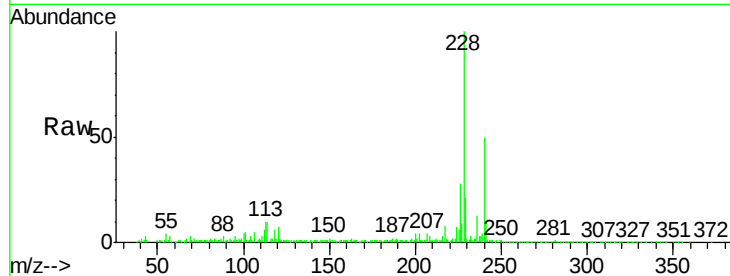
#81
Benzo(a)anthracene
Concen: 6.22 ng
RT: 21.50 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BG044466.D
Acq: 18 Feb 2020 3:28

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-049-B

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	174945		
226	28.2	24.7	37.1	
229	21.0	18.2	27.4	

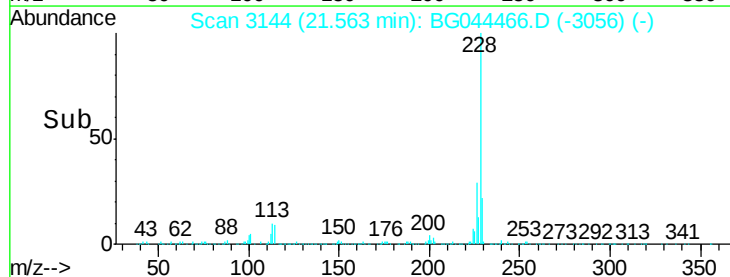
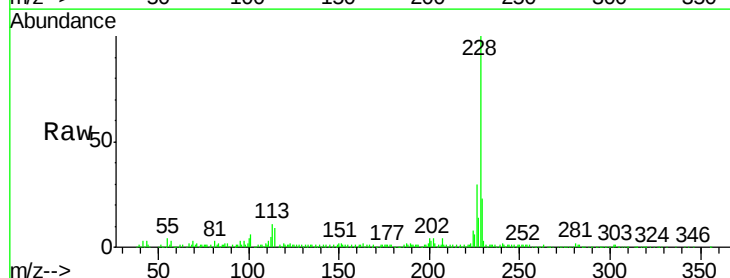
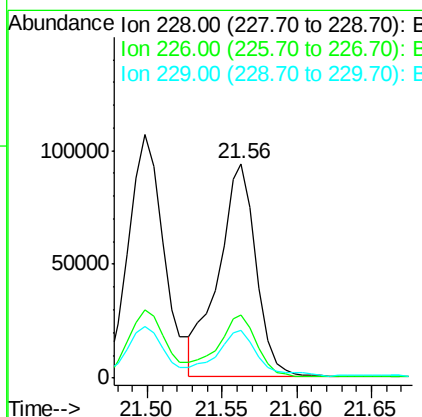
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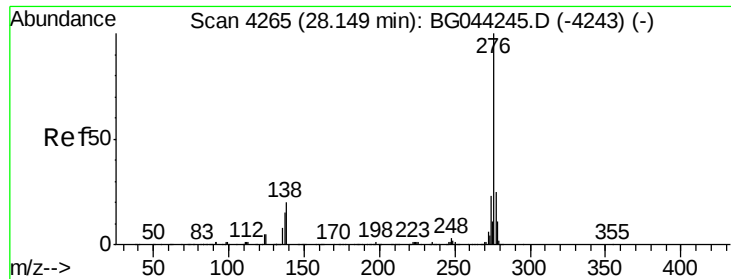
mohammad
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#83
Chrysene
Concen: 6.06 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BG044466.D
Acq: 18 Feb 2020 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	164615		
226	29.5	27.1	40.7	
229	22.5	17.9	26.9	





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.30 ng

RT: 28.08 min Scan# 4253

Delta R.T. -0.04 min

Lab File: BG044466.D

Acq: 18 Feb 2020 3:28

Instrument :

BNA_G

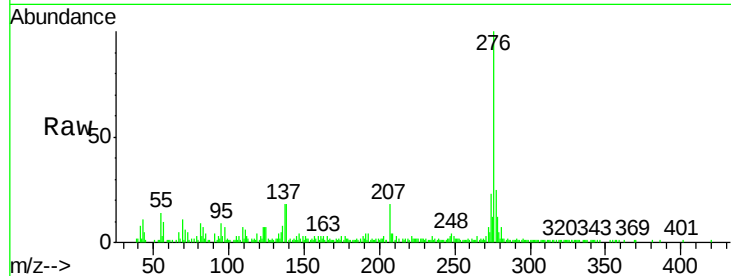
ClientSampleId :

FK-GF-02-049-B

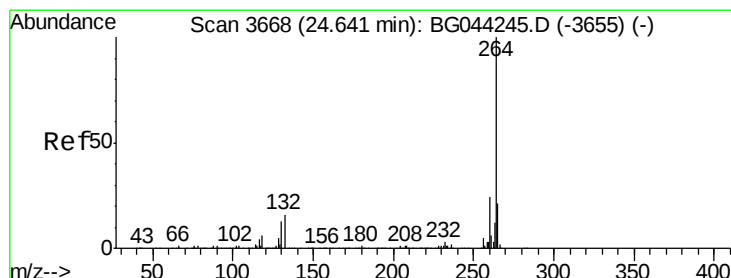
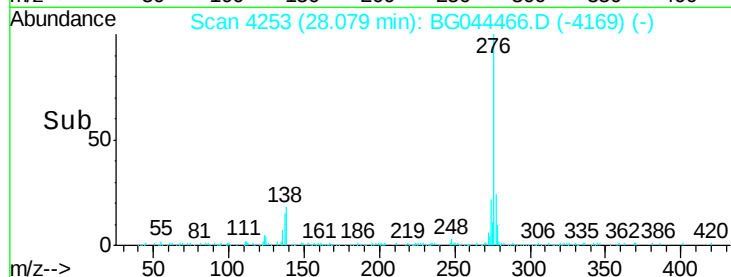
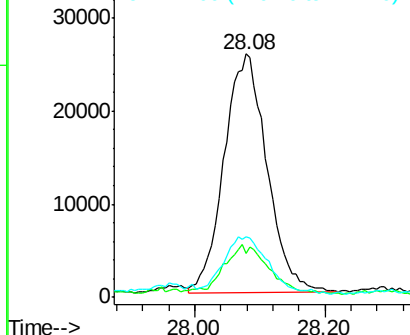
Tgt Ion:	276	Resp:	117052
Ion Ratio	Lower	Upper	
276	100		
138	22.1	19.4	29.0
277	23.6	21.0	31.6

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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: 20.00 ng

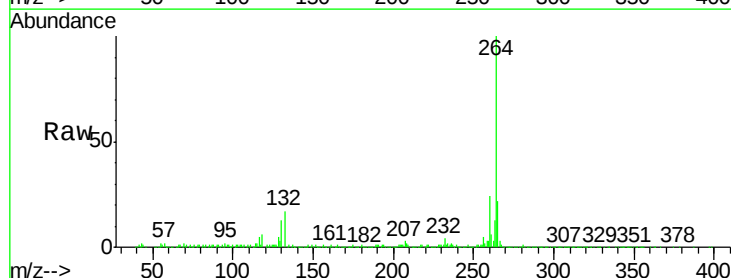
RT: 24.60 min Scan# 3661

Delta R.T. -0.02 min

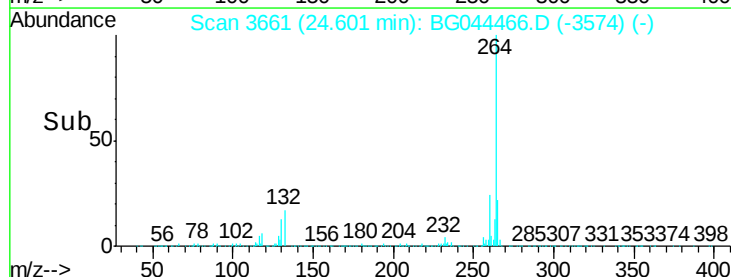
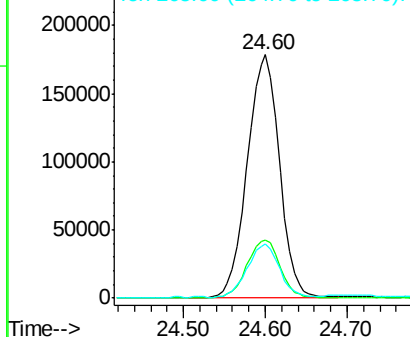
Lab File: BG044466.D

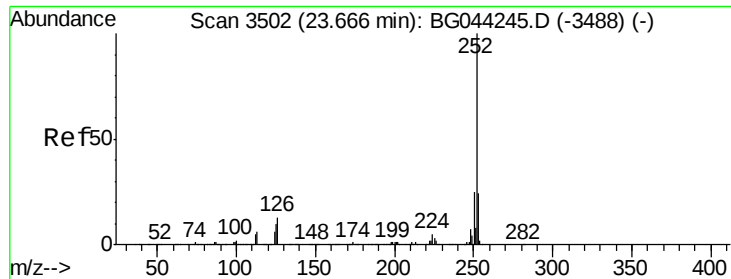
Acq: 18 Feb 2020 3:28

Tgt Ion:	264	Resp:	488491
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.4	29.2
265	22.0	16.7	25.1



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





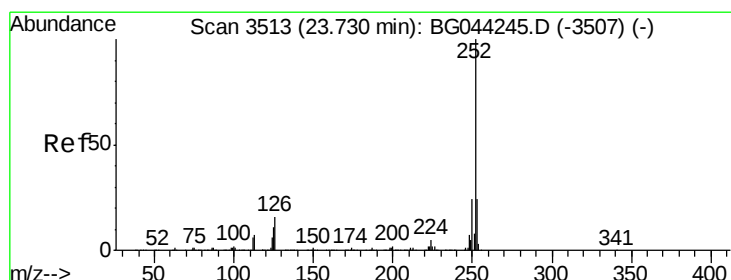
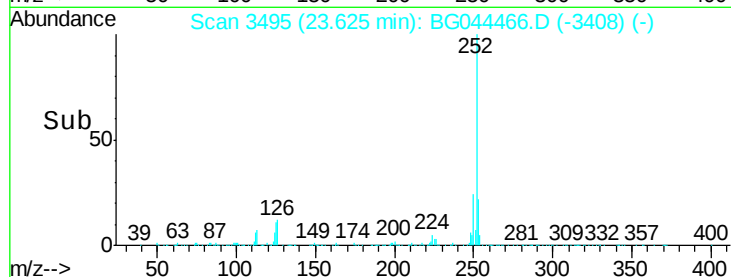
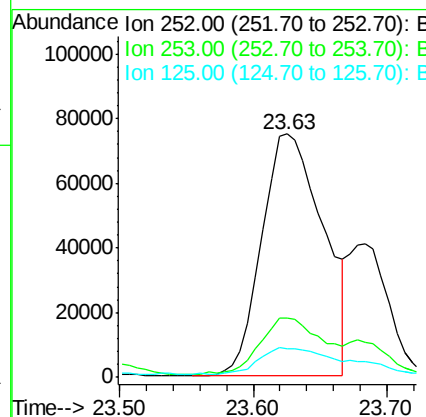
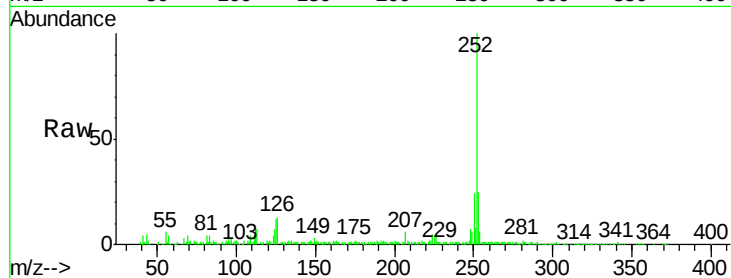
#88
Benzo(b)fluoranthene
Concen: 8.53 ng
RT: 23.63 min Scan# 3495
Delta R.T. -0.02 min
Lab File: BG044466.D
Acq: 18 Feb 2020 3:28

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-049-B

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	240104		
253	24.6	19.2	28.8	
125	11.9	8.4	12.6	

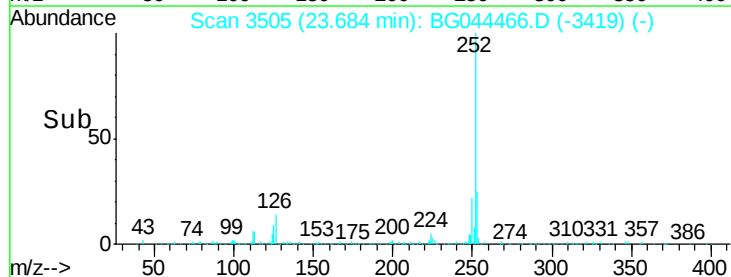
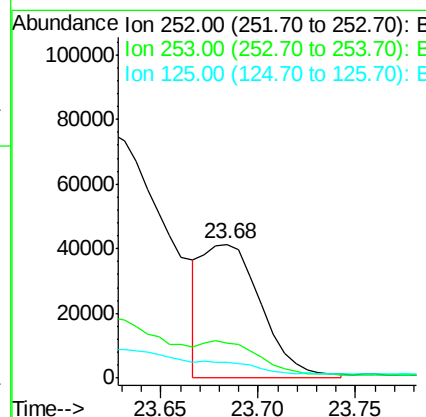
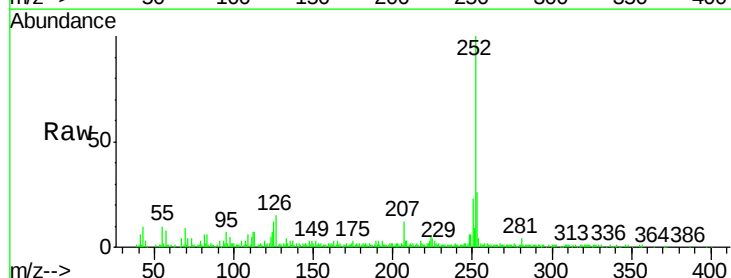
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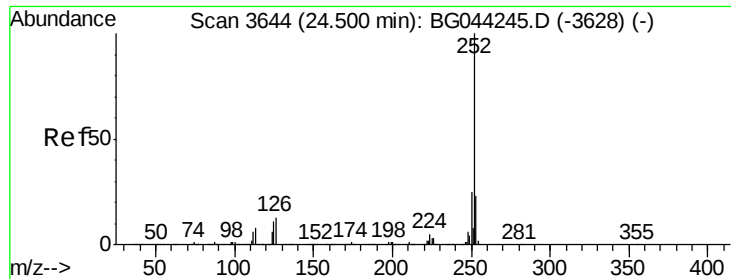
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#89
Benzo(k)fluoranthene
Concen: 3.17 ng m
RT: 23.68 min Scan# 3505
Delta R.T. -0.03 min
Lab File: BG044466.D
Acq: 18 Feb 2020 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	86941		
253	26.3	19.1	28.7	
125	12.2	8.6	12.8	





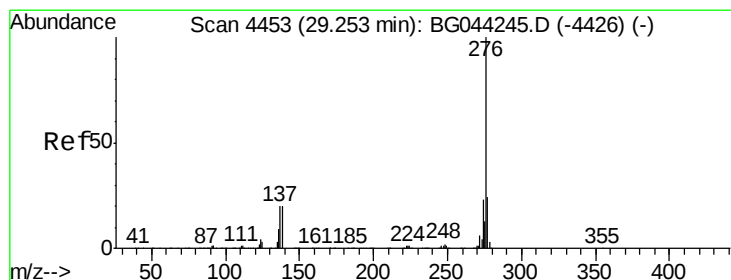
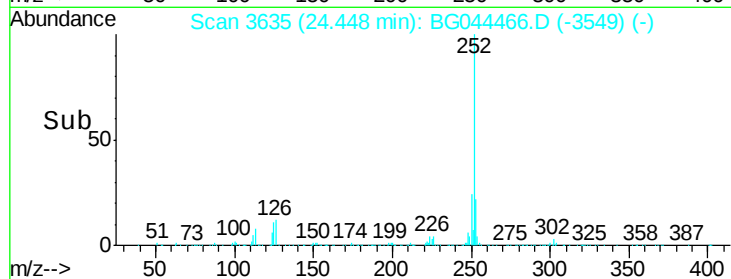
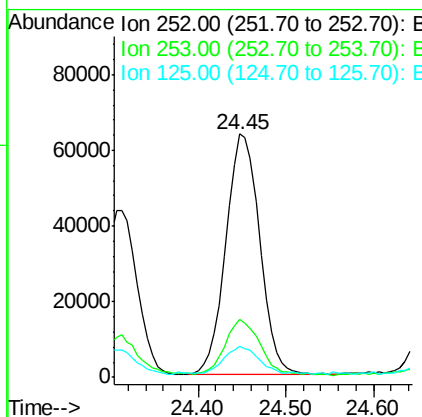
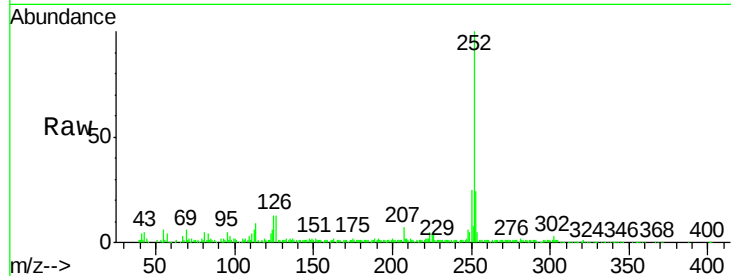
#90
Benzo(a)pyrene
Concen: 6.30 ng
RT: 24.45 min Scan# 3635
Delta R.T. -0.03 min
Lab File: BG044466.D
Acq: 18 Feb 2020 3:28

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-049-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	12.8	8.6	13.0

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 4.39 ng
RT: 29.16 min Scan# 4437
Delta R.T. -0.04 min
Lab File: BG044466.D
Acq: 18 Feb 2020 3:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.8	28.2
138	19.6	16.2	24.2

