

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050420\
 Data File : BG045244.D
 Acq On : 4 May 2020 21:54
 Operator : CG/JU
 Sample : L2376-03 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Manual Integrations
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mohammad
 5/6/2020 6:45:30 PM

Quant Time: May 05 02:23:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 04 13:03:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	116522	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	459014	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	321228	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	646902	20.00	ng	0.00
76) Chrysene-d12	21.65	240	542655	20.00	ng	0.00
87) Perylene-d12	24.83	264	605573	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	118692	16.82	ng	0.00
7) Phenol-d6	7.16	99	188295	17.96	ng	0.00
23) Nitrobenzene-d5	9.15	82	129516	12.87	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	87162	17.56	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	322446	14.72	ng	0.00
79) Terphenyl-d14	19.99	244	443678	17.82	ng	0.00
Target Compounds						
71) Phenanthrene	17.42	178	167042	5.025	ng	99
75) Fluoranthene	19.43	202	311939	2.101	ng	96
78) Pyrene	19.79	202	335961	8.980	ng	96
81) Benzo(a)anthracene	21.62	228	181698	5.166	ng	97
83) Chrysene	21.70	228	178668m	5.287	ng	
86) Indeno(1,2,3-cd)pyrene	28.43	276	114665	2.556	ng	94
88) Benzo(b)fluoranthene	23.83	252	214895	5.665	ng	97
89) Benzo(k)fluoranthene	23.88	252	78969m	2.189	ng	
90) Benzo(a)pyrene	24.67	252	187828	5.244	ng	96
92) Benzo(g,h,i)perylene	29.54	276	110143	3.044	ng	# 95

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

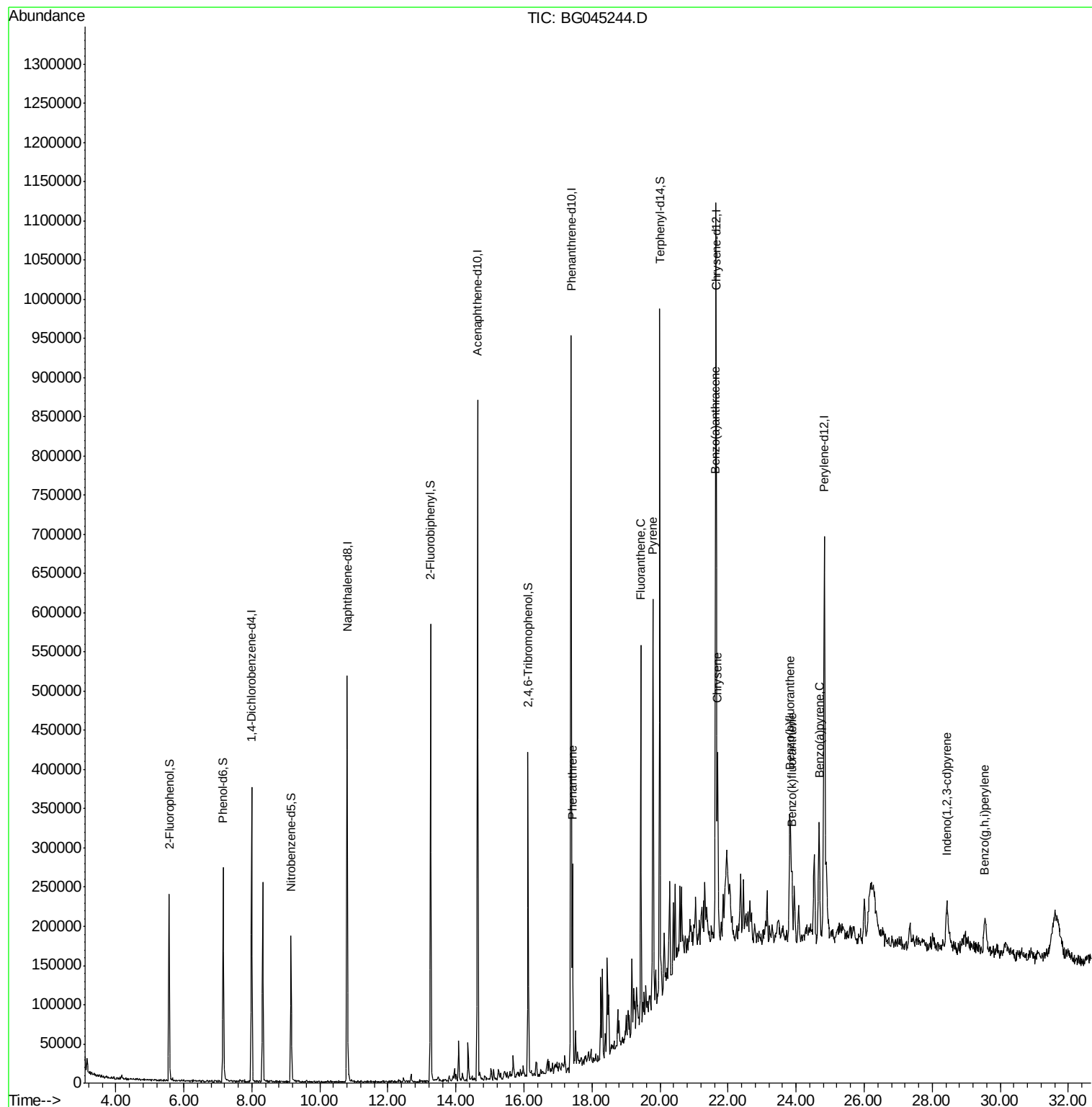
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050420\
Data File : BG045244.D
Acq On : 4 May 2020 21:54
Operator : CG/JU
Sample : L2376-03 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

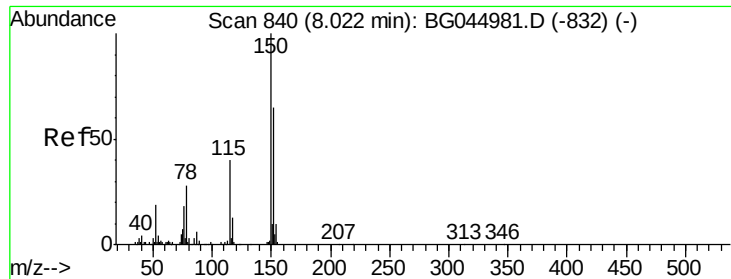
Instrument :
BNA_G
ClientSampleId :
TP-3

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Quant Time: May 05 02:23:13 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 04 13:03:14 2020
Response via : Initial Calibration





#1

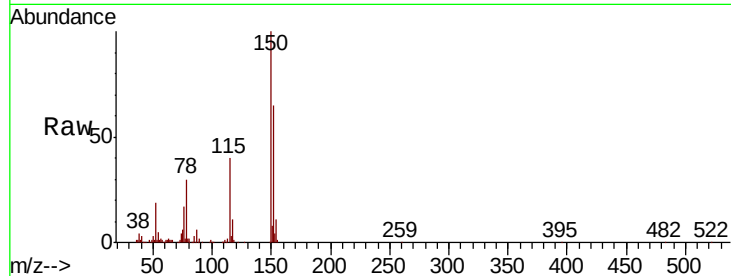
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. 0.00 min
Lab File: BG045244.D
Acq: 4 May 2020 21:54

Instrument :
BNA_G
ClientSampled :
TP-3

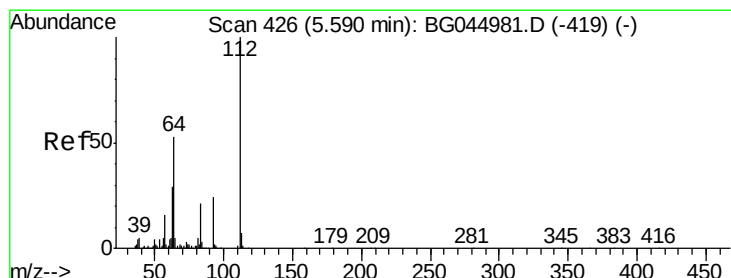
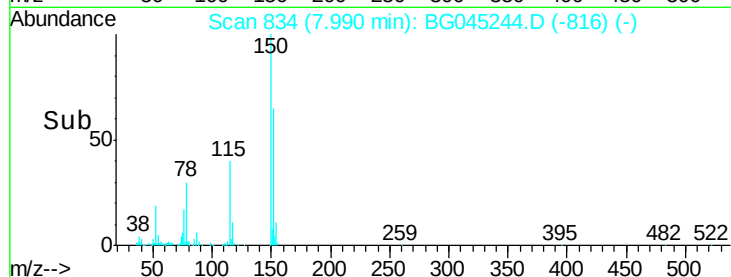
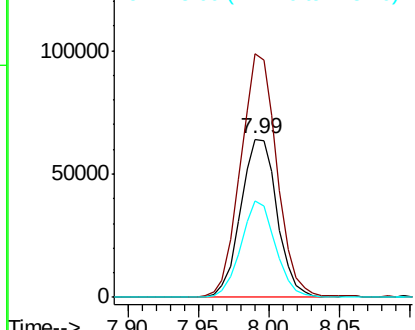
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	123.6	185.4
115	61.0	49.1	73.7

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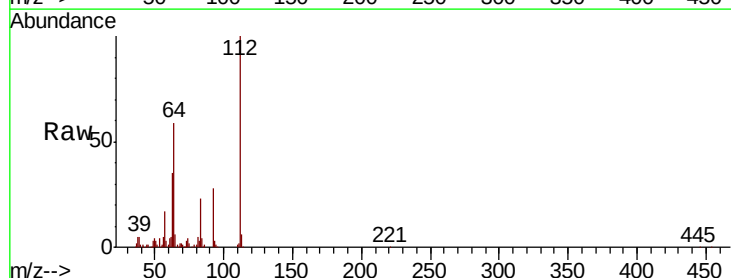
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



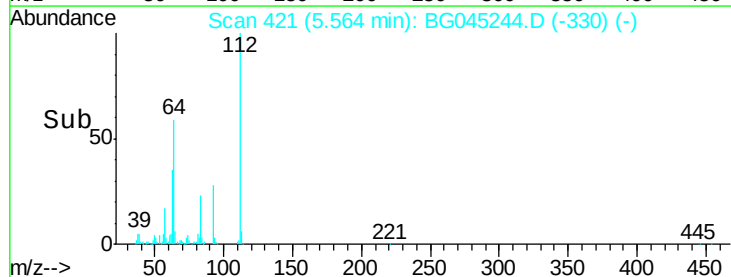
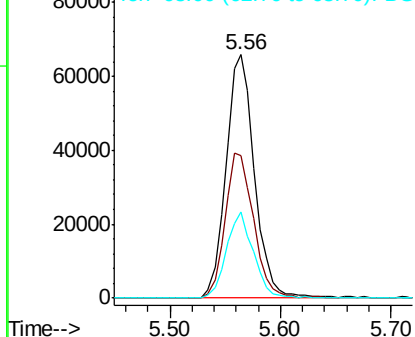
#5

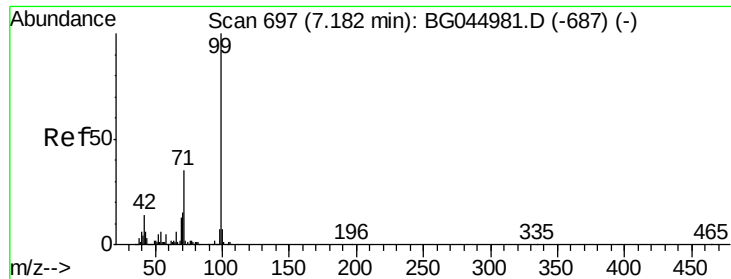
2-Fluorophenol
Concen: 16.817 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG045244.D
Acq: 4 May 2020 21:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	42.4	63.6
63	35.1	23.1	34.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 17.956 ng

RT: 7.16 min Scan# 692

Delta R.T. 0.00 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

Instrument :

BNA_G

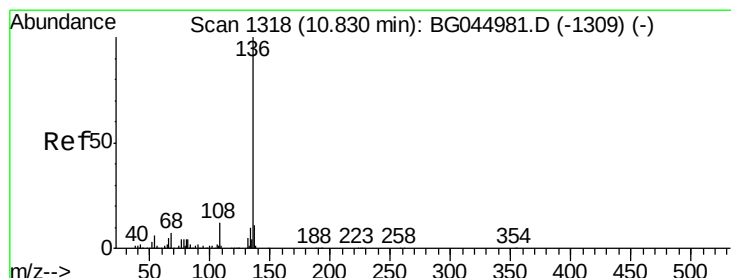
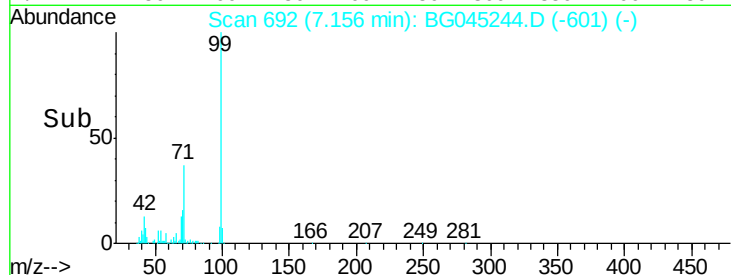
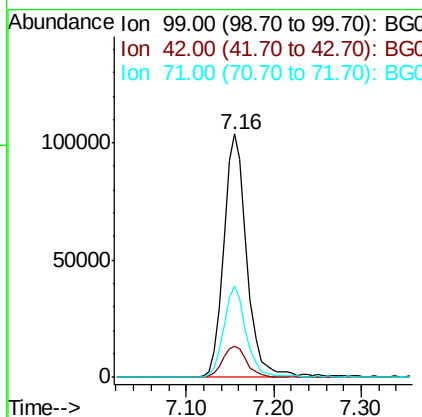
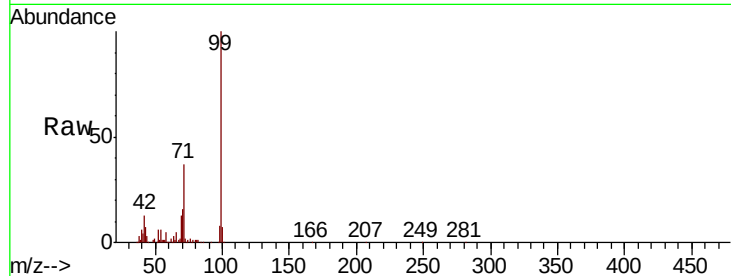
ClientSampled :

TP-3

Tot Ion:	99	Resp:	188295
Ion Ratio	Lower	Upper	
99	100		
42	13.0	11.3	16.9
71	37.4	28.3	42.5

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#21

Naphthalene-d8

Concen: 20.000 ng

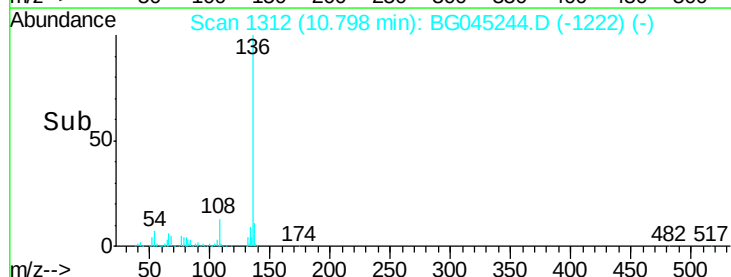
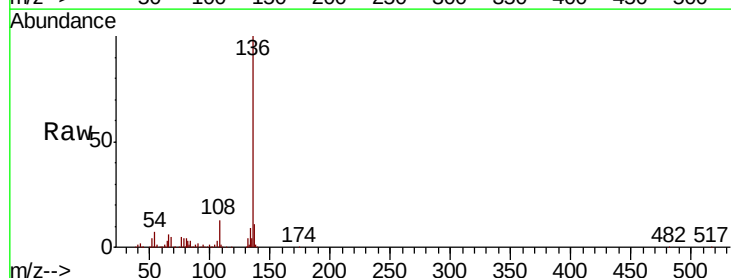
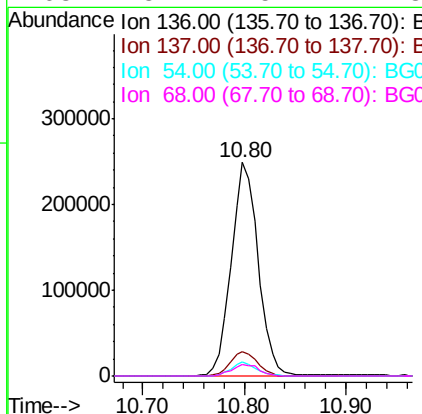
RT: 10.80 min Scan# 1312

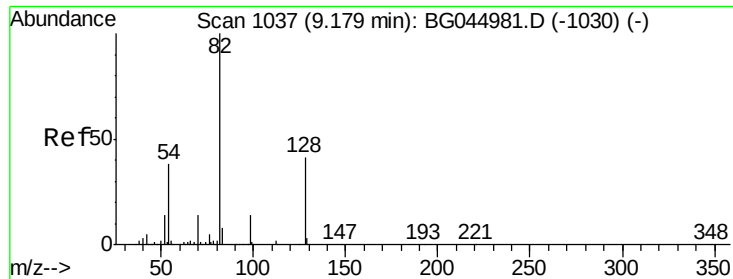
Delta R.T. -0.00 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

Tgt Ion:	136	Resp:	459014
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.6	13.0
54	6.5	4.8	7.2
68	5.1	5.2	7.8#





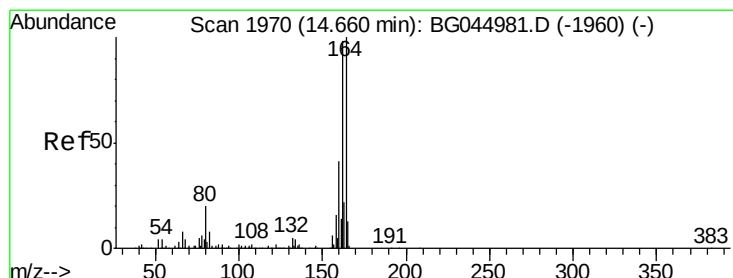
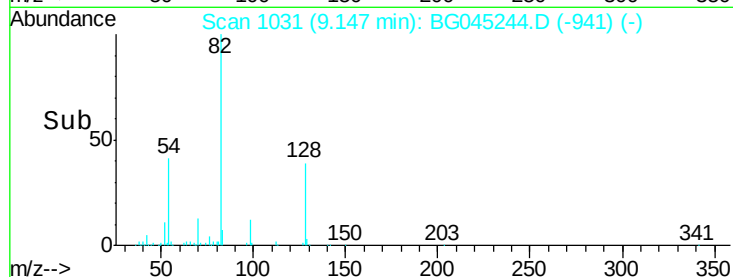
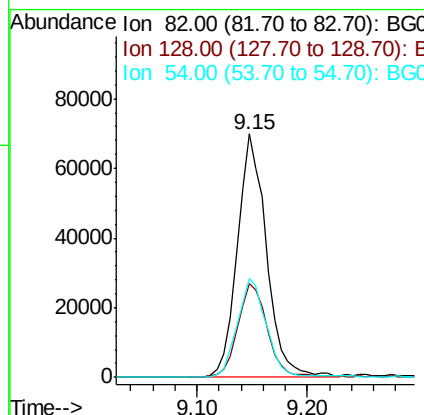
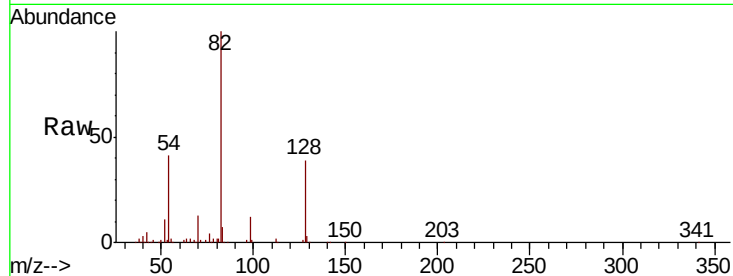
#23
Nitrobenzene-d5
Concen: 12.875 ng
RT: 9.15 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BG045244.D
Acq: 4 May 2020 21:54

Instrument :
BNA_G
ClientSampleId :
TP-3

Tot Ion	Ratio	Resp	Lower	Upper
82	100	129516		
128	38.5		33.0	49.4
54	40.7		30.4	45.6

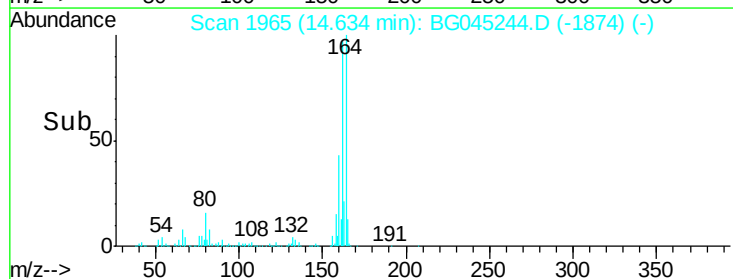
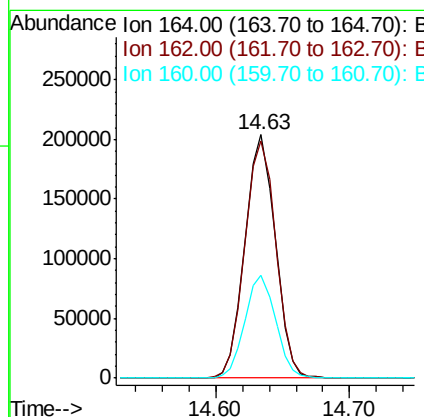
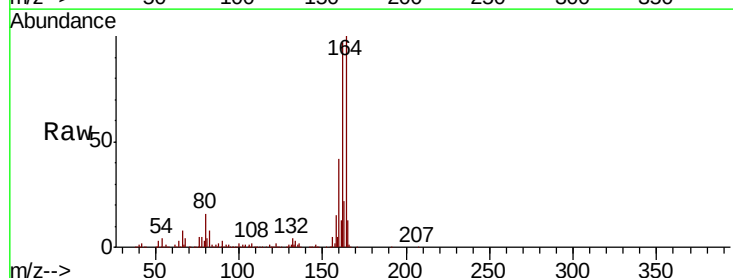
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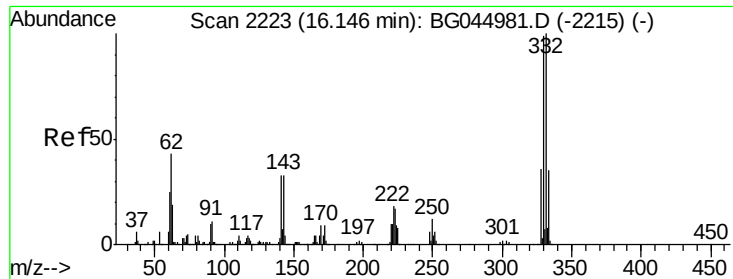
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. 0.00 min
Lab File: BG045244.D
Acq: 4 May 2020 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	321228		
162	97.2		78.7	118.1
160	42.4		32.8	49.2





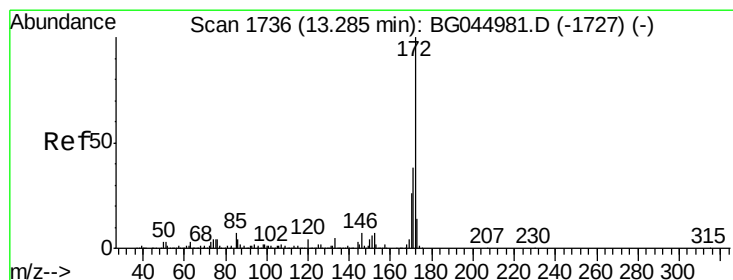
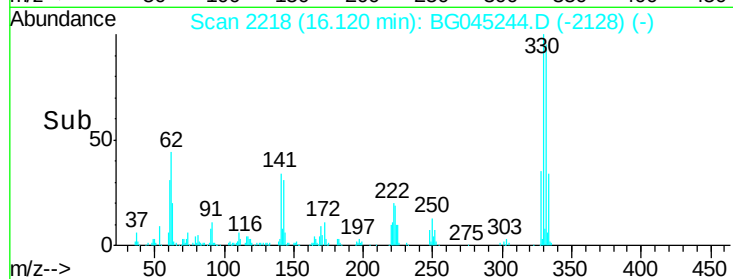
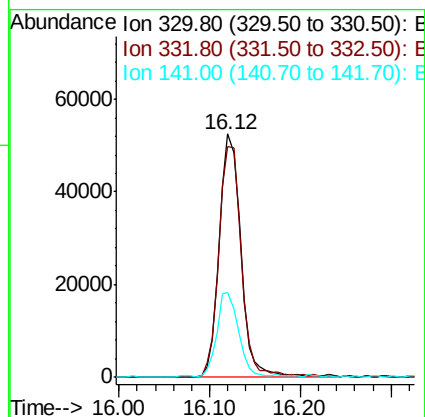
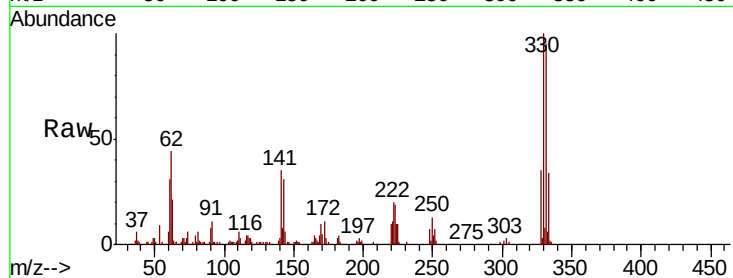
#42
2,4,6-Tribromophenol
Concen: 17.564 ng
RT: 16.12 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BG045244.D
Acq: 4 May 2020 21:54

Instrument :
BNA_G
ClientSampled :
TP-3

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	79.1	118.7
141	34.7	27.1	40.7

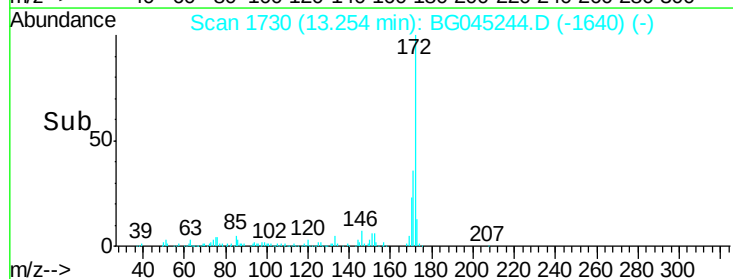
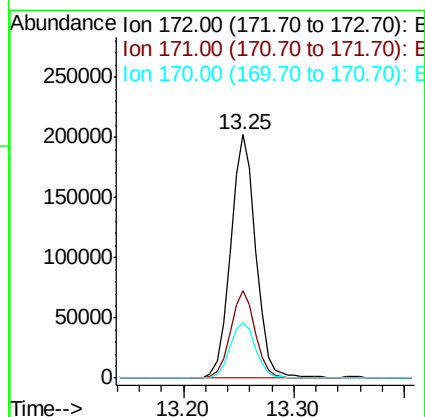
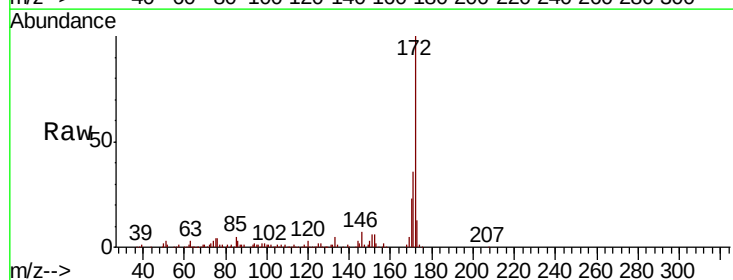
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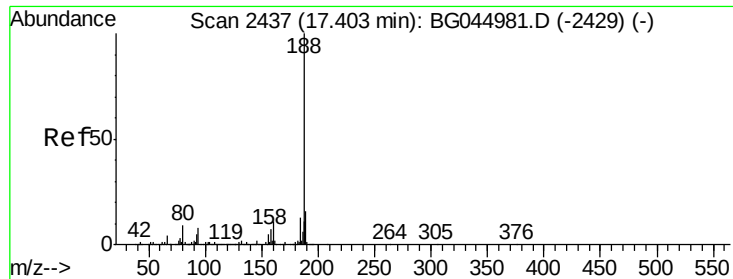
mohammad
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#45
2-Fluorobiphenyl
Concen: 14.719 ng
RT: 13.25 min Scan# 1730
Delta R.T. -0.00 min
Lab File: BG045244.D
Acq: 4 May 2020 21:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	30.6	46.0
170	22.5	20.5	30.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

Instrument :

BNA_G

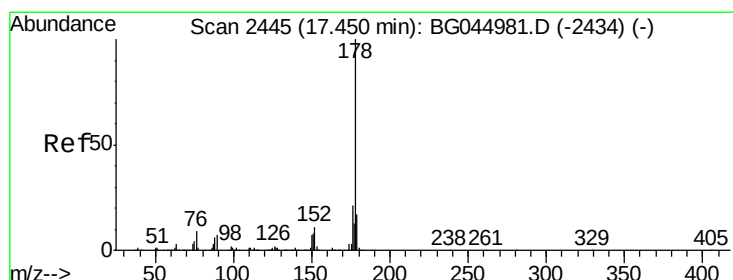
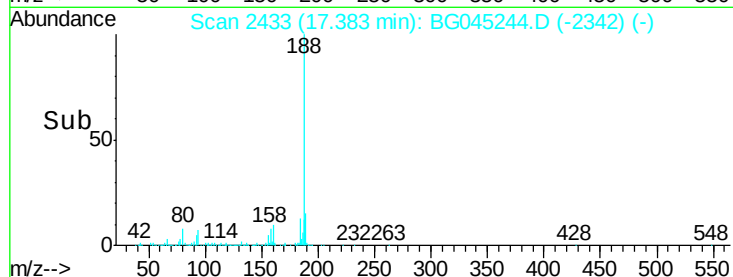
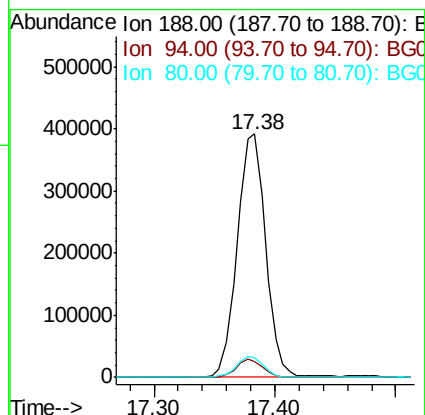
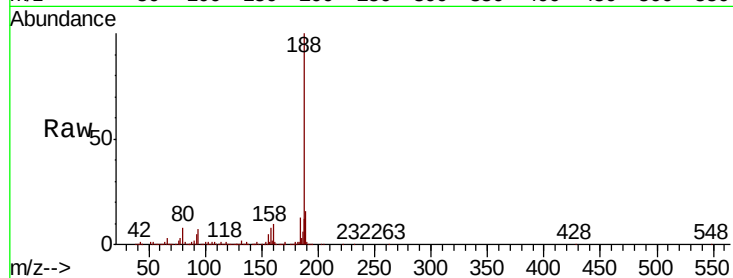
ClientSampled :

TP-3

Tot Ion:	188	Resp:	646902
Ion Ratio	Lower	Upper	
188	100		
94	6.7	6.2	9.4
80	8.0	7.0	10.6

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#71

Phenanthrene

Concen: 5.025 ng

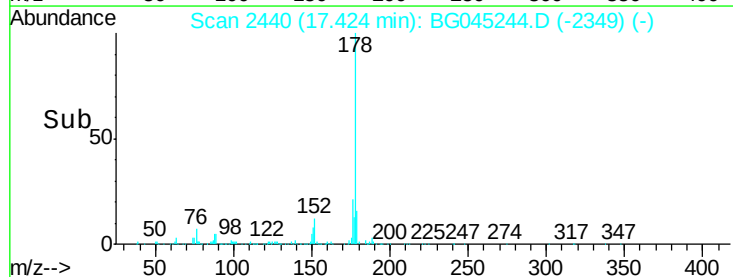
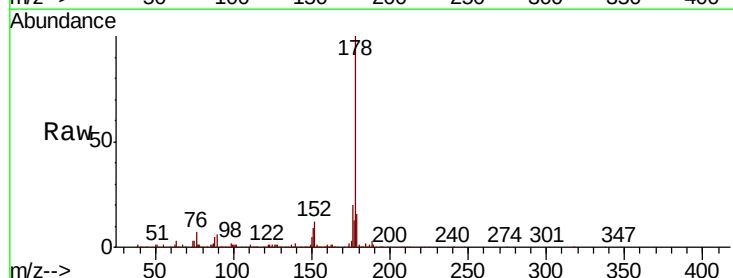
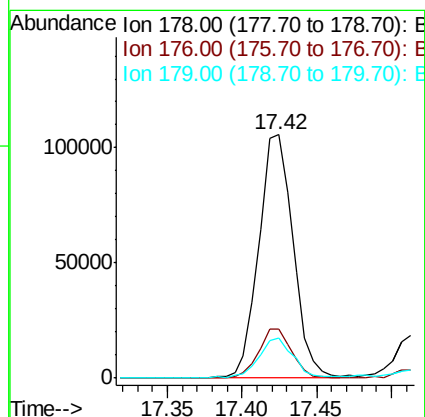
RT: 17.42 min Scan# 2440

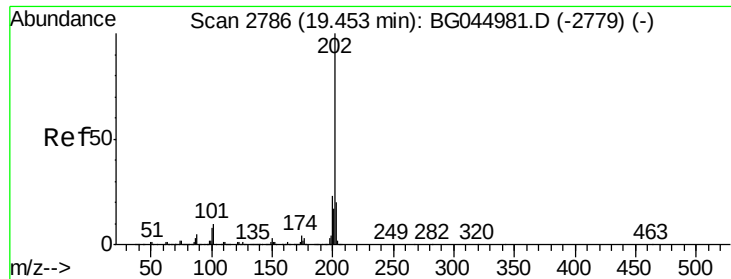
Delta R.T. 0.00 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

Tgt Ion:	178	Resp:	167042
Ion Ratio	Lower	Upper	
178	100		
176	20.4	16.8	25.2
179	16.3	13.2	19.8





#75

Fluoranthene

Concen: 2.101 ng

RT: 19.43 min Scan# 2782

Delta R.T. -0.00 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

Instrument :

BNA_G

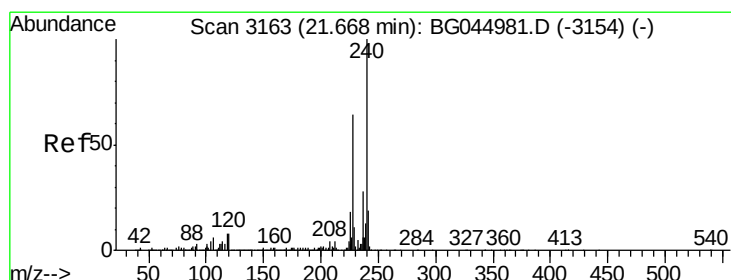
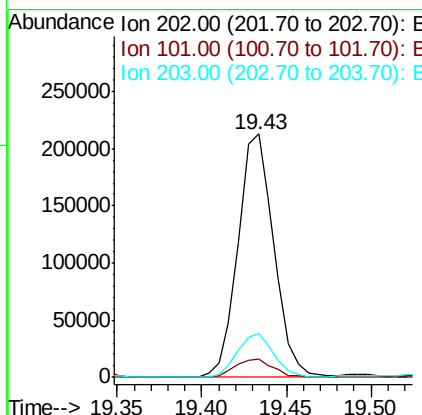
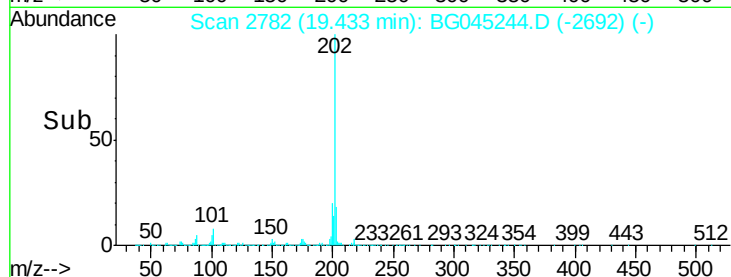
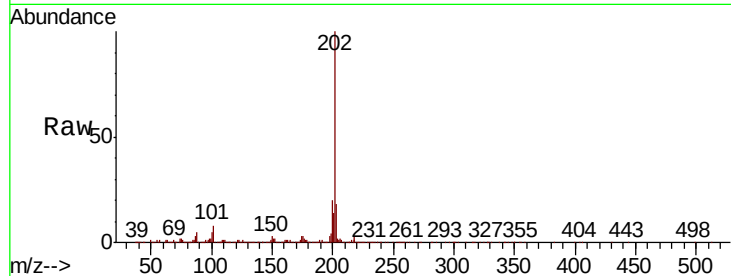
ClientSampled :

TP-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	7.5	0.0	29.6		
203	18.3	0.0	39.7		

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#76

Chrysene-d12

Concen: 20.000 ng

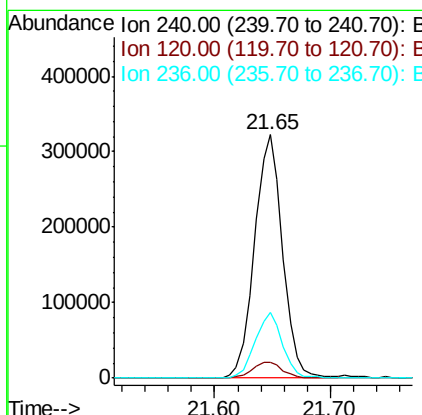
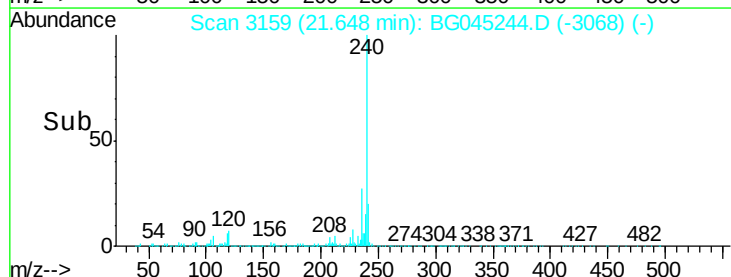
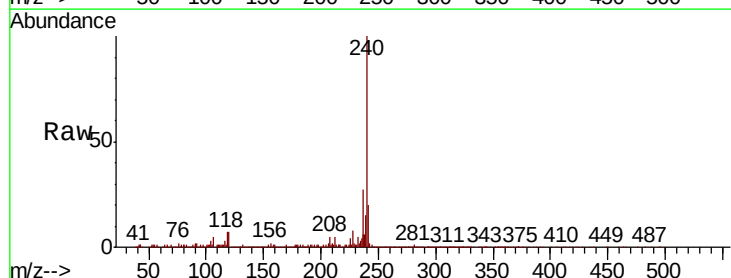
RT: 21.65 min Scan# 3159

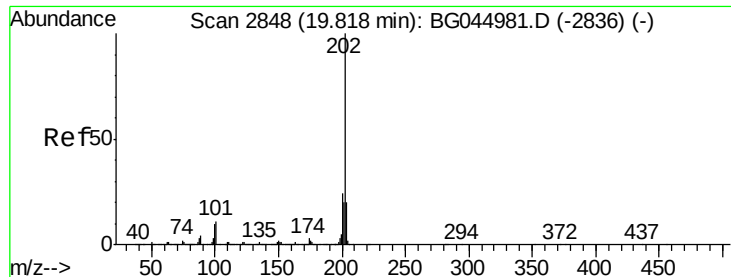
Delta R.T. 0.00 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	6.7	6.6	10.0		
236	26.9	22.2	33.2		





#78

Pvrene

Concen: 8.980 ng

RT: 19.79 min Scan# 2843

Delta R.T. -0.00 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

Instrument :

BNA_G

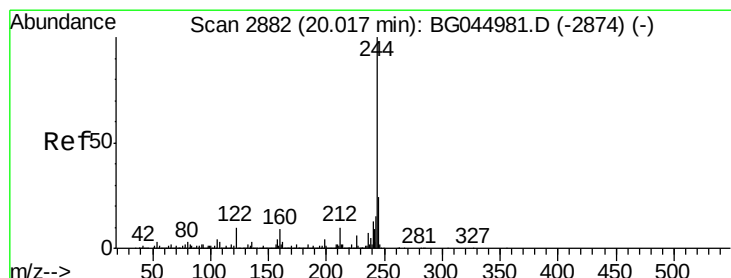
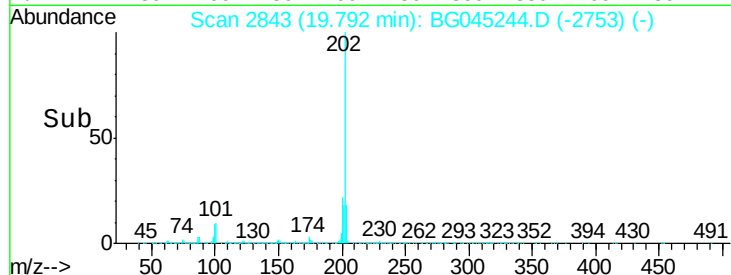
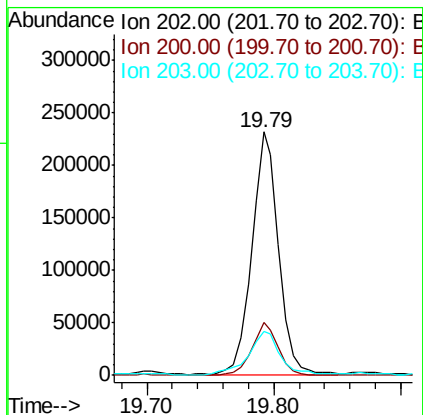
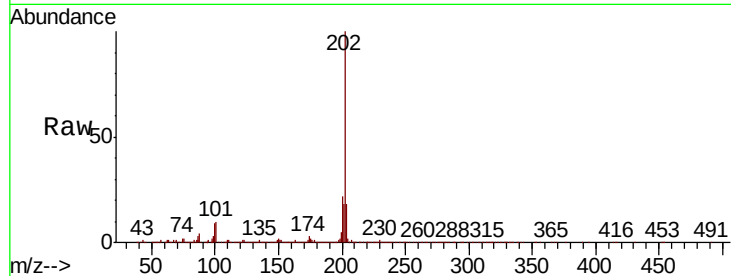
ClientSampleId :

TP-3

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	19.0	28.6
203	18.3	16.1	24.1

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#79

Terphenyl-d14

Concen: 17.820 ng

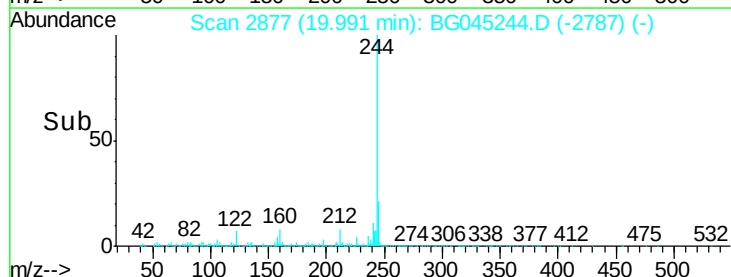
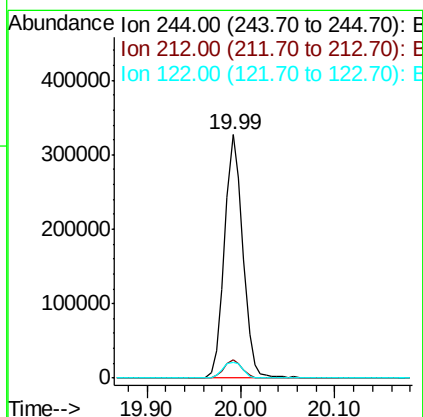
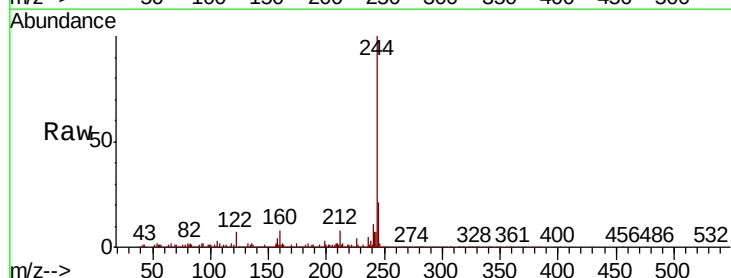
RT: 19.99 min Scan# 2877

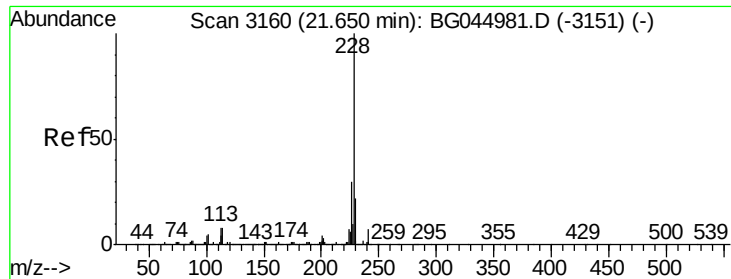
Delta R.T. -0.00 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	7.9	11.9#
122	6.7	7.7	11.5#





#81

Benzo(a)anthracene

Concen: 5.166 ng

RT: 21.62 min Scan# 3155

Delta R.T. -0.00 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

Instrument :

BNA_G

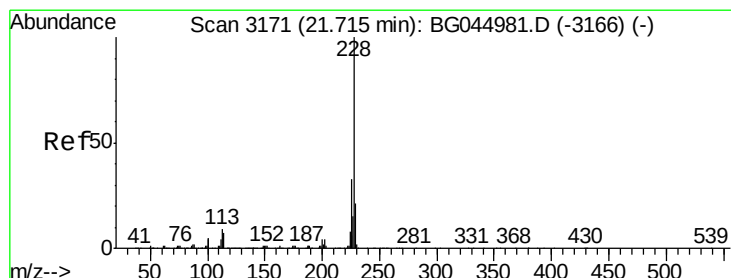
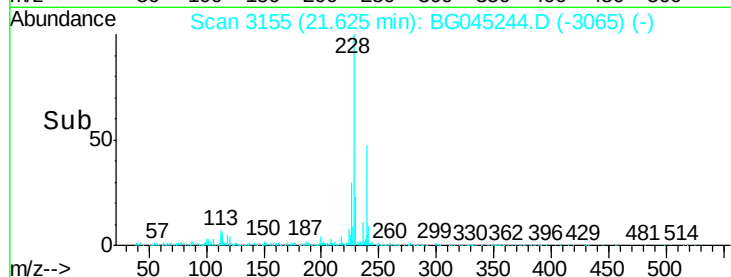
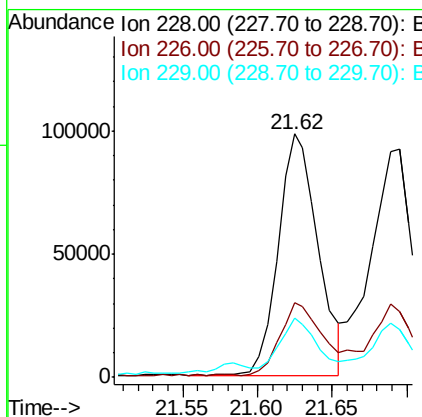
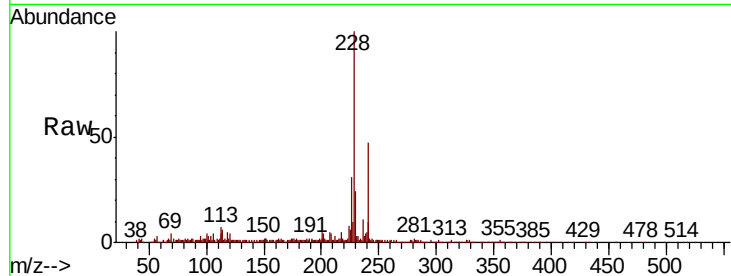
ClientSampled :

TP-3

Tot Ion:	228	Resp:	181698
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.0	36.0
229	24.3	17.5	26.3

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#83

Chrysene

Concen: 5.287 ng m

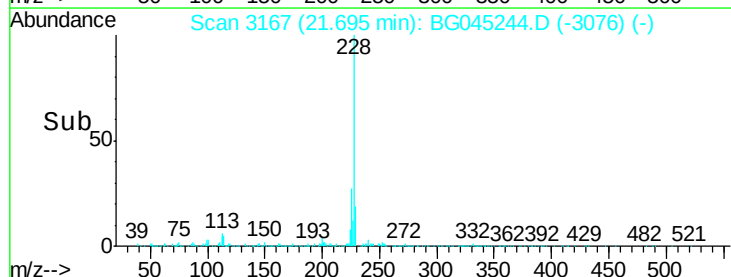
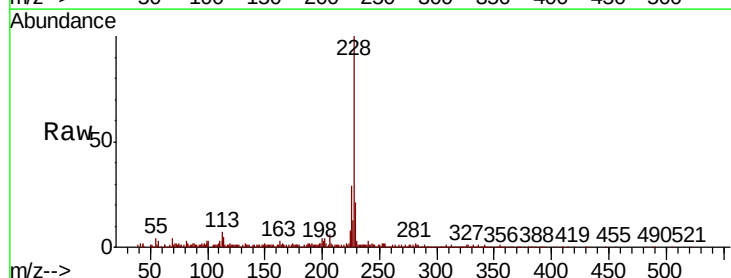
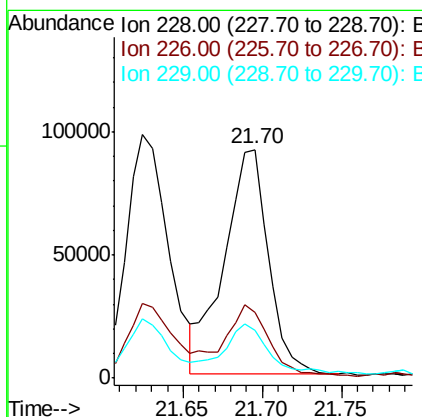
RT: 21.70 min Scan# 3167

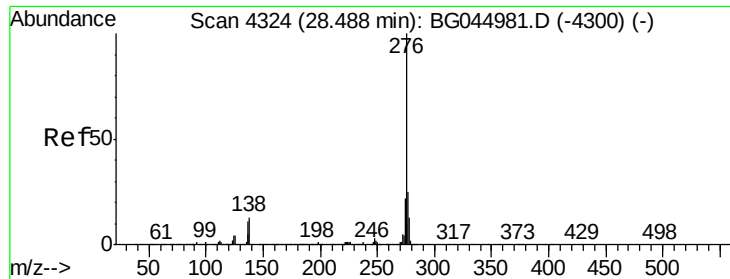
Delta R.T. 0.00 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

Tgt Ion:	228	Resp:	178668
Ion Ratio	Lower	Upper	
228	100		
226	28.9	26.2	39.4
229	20.9	17.0	25.6





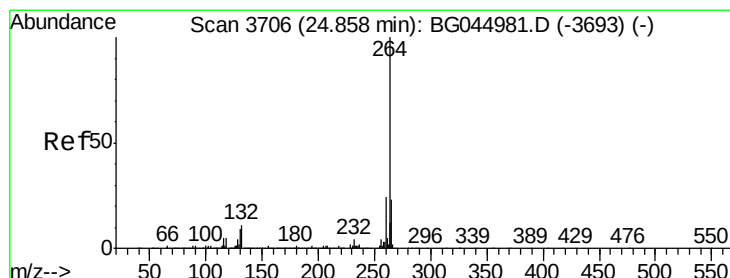
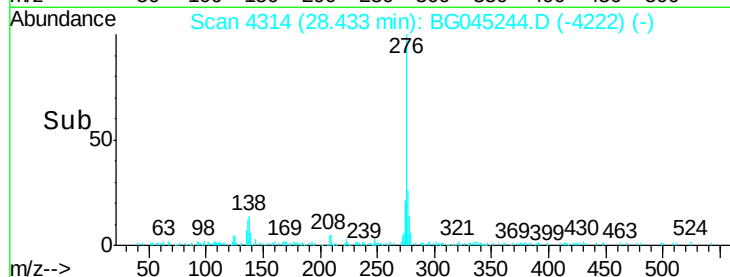
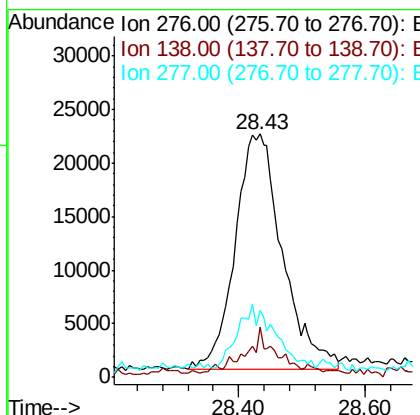
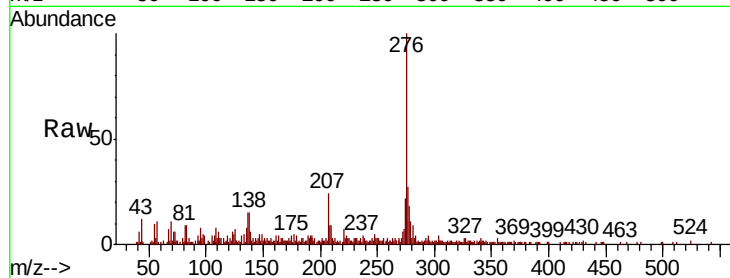
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.556 ng
RT: 28.43 min Scan# 4314
Delta R.T. 0.01 min
Lab File: BG045244.D
Acq: 4 May 2020 21:54

Instrument :
BNA_G
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	10.7	9.6	14.4
277	22.5	20.6	31.0

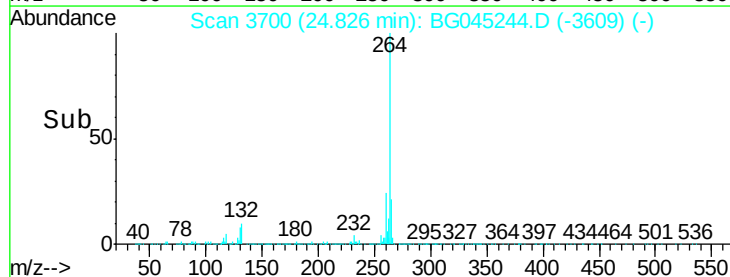
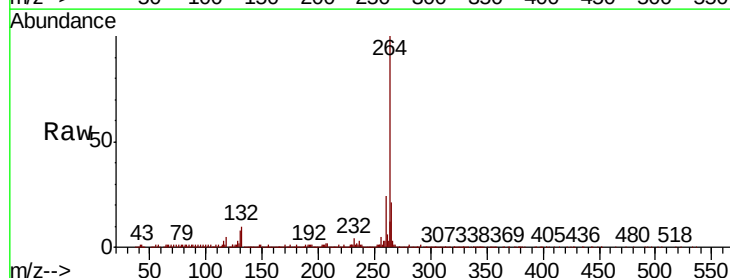
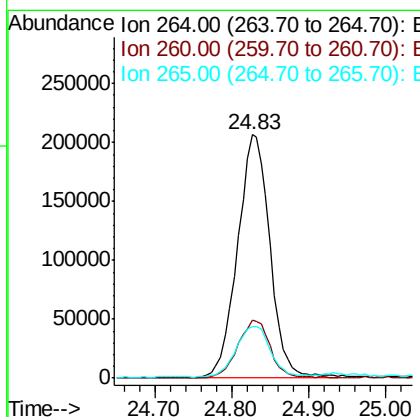
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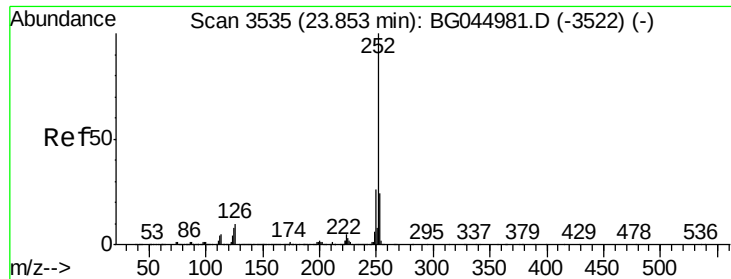
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#87
Perylene-d12
Concen: 20.000 ng
RT: 24.83 min Scan# 3700
Delta R.T. 0.00 min
Lab File: BG045244.D
Acq: 4 May 2020 21:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.4	19.0	28.4





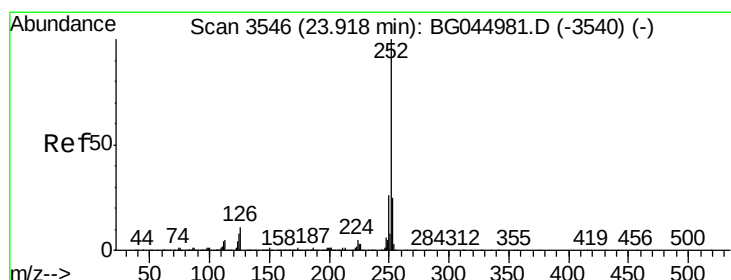
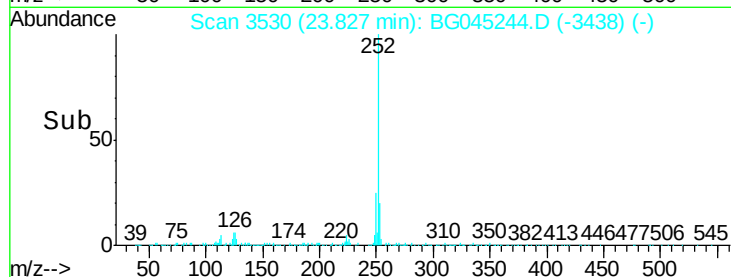
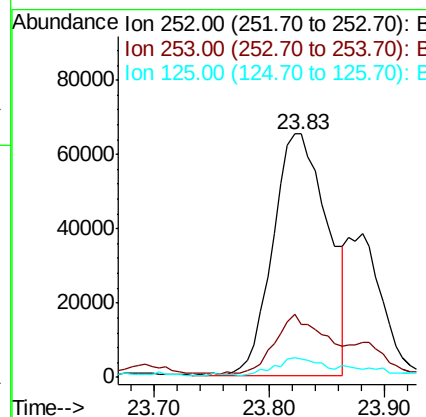
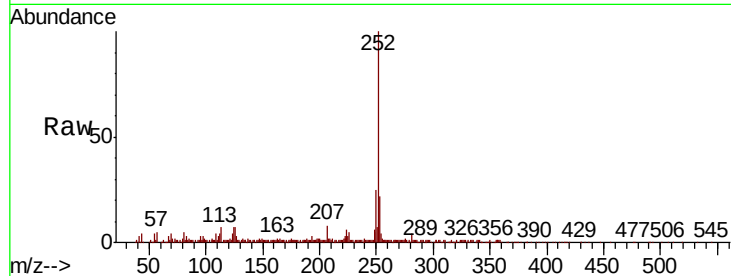
#88
Benzo(b)fluoranthene
Concen: 5.665 ng
RT: 23.83 min Scan# 3530
Delta R.T. 0.01 min
Lab File: BG045244.D
Acq: 4 May 2020 21:54

Instrument :
BNA_G
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.8	28.2
125	7.5	6.2	9.4

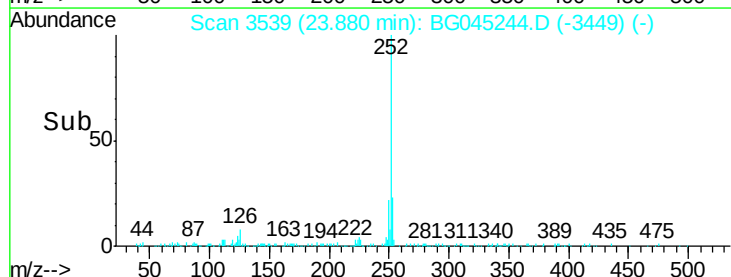
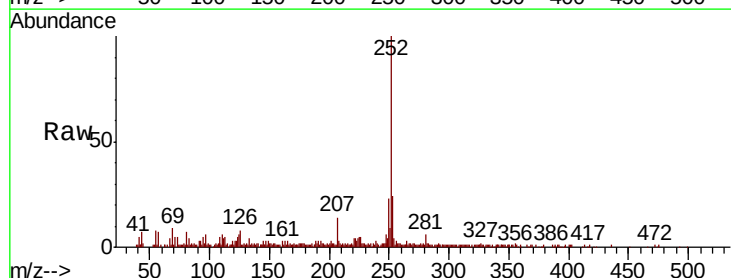
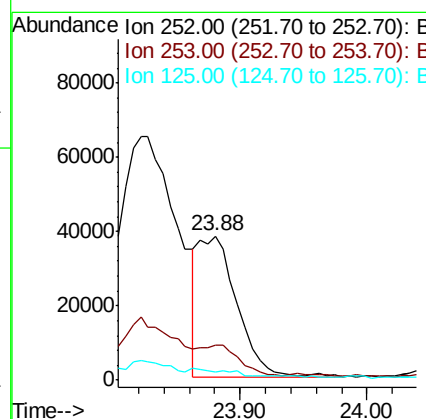
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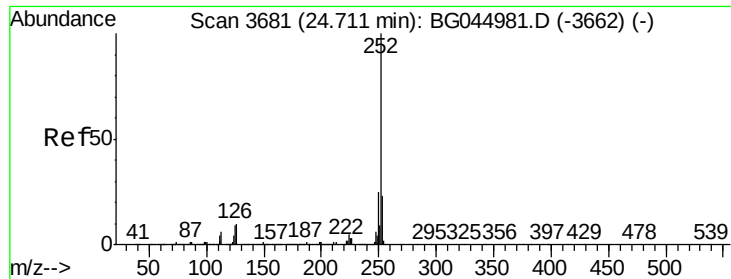
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#89
Benzo(k)fluoranthene
Concen: 2.189 ng m
RT: 23.88 min Scan# 3539
Delta R.T. -0.00 min
Lab File: BG045244.D
Acq: 4 May 2020 21:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.2	28.8
125	5.5	5.9	8.9





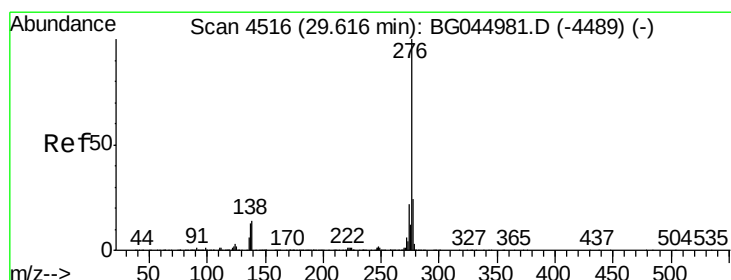
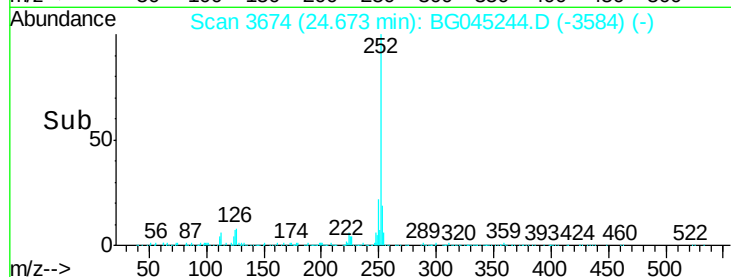
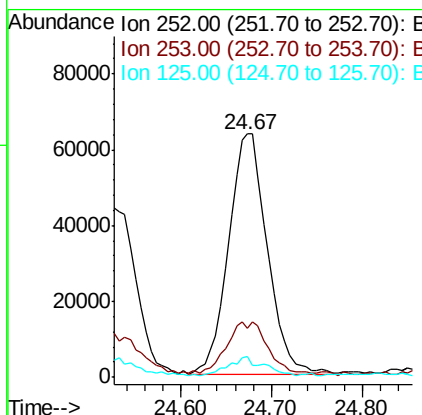
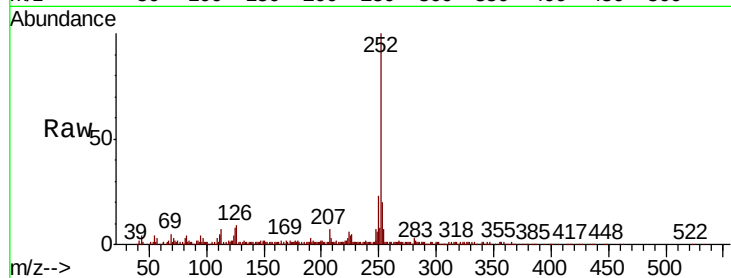
#90
Benzo(a)pyrene
Concen: 5.244 ng
RT: 24.67 min Scan# 3674
Delta R.T. -0.00 min
Lab File: BG045244.D
Acq: 4 May 2020 21:54

Instrument :
BNA_G
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.2	18.3	27.5
125	8.5	7.0	10.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 3.044 ng
RT: 29.54 min Scan# 4503
Delta R.T. -0.01 min
Lab File: BG045244.D
Acq: 4 May 2020 21:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.3	28.9
138	10.6	11.4	17.2

