

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\
 Data File : BG044009.D
 Acq On : 10 Jan 2020 19:59
 Operator : JU
 Sample : L1084-03 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AF-3

Manual Integrations
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Quant Time: Jan 13 01:39:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	151592	20.00	ng	-0.01
21) Naphthalene-d8	10.75	136	613732	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	362065	20.00	ng	-0.02
64) Phenanthrene-d10	17.32	188	689489	20.00	ng	-0.01
76) Chrysene-d12	21.58	240	563415	20.00	ng	-0.01
87) Perylene-d12	24.70	264	646688	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	403268	48.84	ng	0.00
7) Phenol-d6	7.12	99	594026	51.47	ng	0.00
23) Nitrobenzene-d5	9.11	82	357088	31.13	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	176590	46.61	ng	-0.02
45) 2-Fluorobiphenyl	13.21	172	797699	39.92	ng	-0.02
79) Terphenyl-d14	19.94	244	990616	33.95	ng	-0.02
Target Compounds						
71) Phenanthrene	17.37	178	345745	10.455	ng	94
72) Anthracene	17.46	178	70772	2.165	ng	93
75) Fluoranthene	19.38	202	1000528	26.454	ng	98
78) Pyrene	19.74	202	1001723	27.238	ng	95
81) Benzo(a)anthracene	21.56	228	625919	17.916	ng	95
83) Chrysene	21.62	228	659877	19.878	ng	96
86) Indeno(1,2,3-cd)pyrene	28.24	276	574318	12.731	ng	94
88) Benzo(b)fluoranthene	23.72	252	1078149	28.201	ng	99
89) Benzo(k)fluoranthene	23.77	252	349314m	9.608	ng	
90) Benzo(a)pyrene	24.55	252	700721	19.420	ng	100
91) Dibenzo(a,h)anthracene	28.28	278	143350	3.956	ng	98
92) Benzo(a,h,i)perylene	29.34	276	590888	16.416	ng	98

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

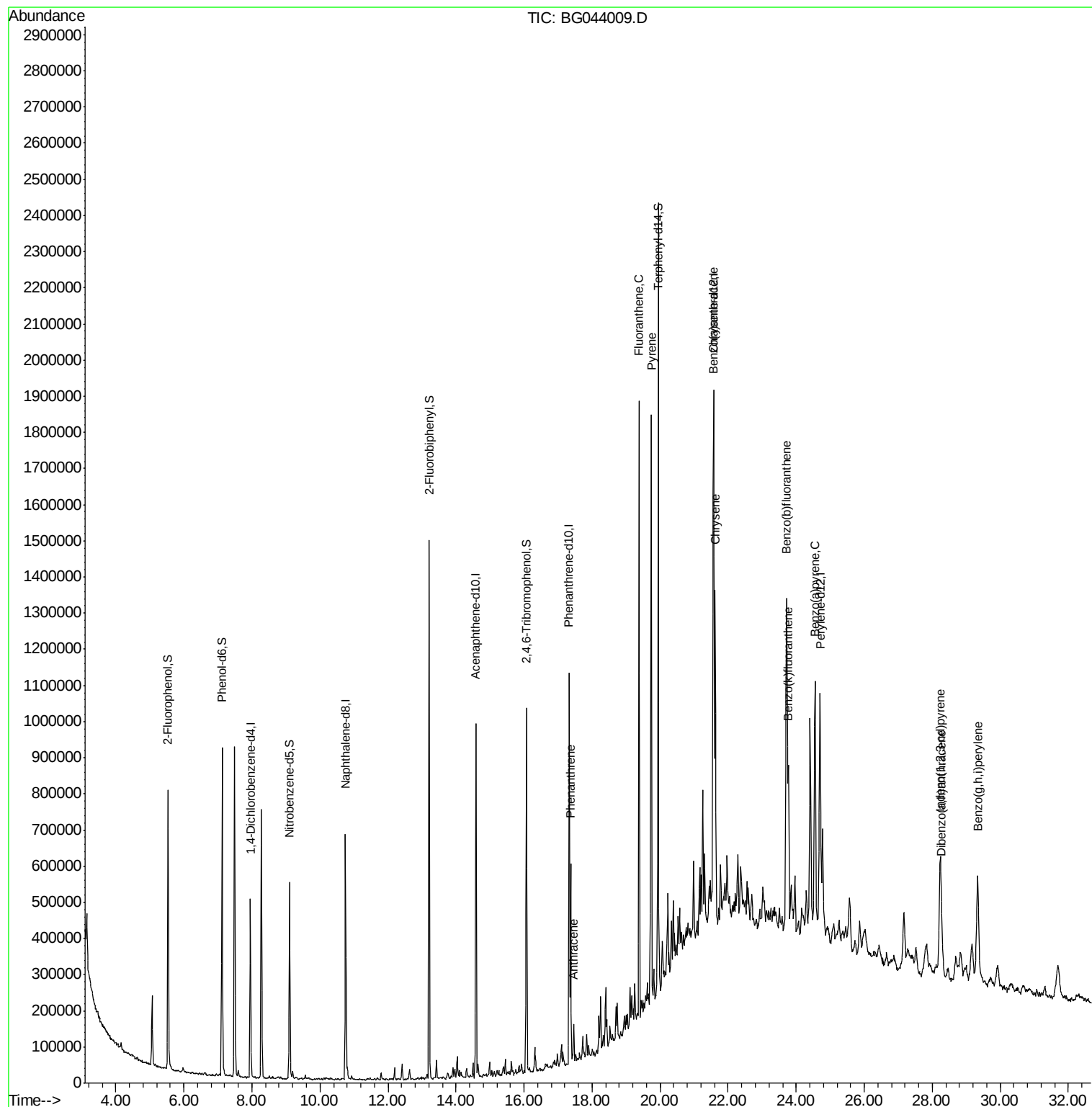
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\
Data File : BG044009.D
Acq On : 10 Jan 2020 19:59
Operator : JU
Sample : L1084-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

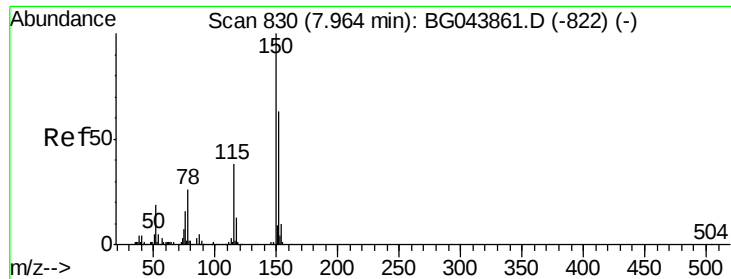
Instrument :
BNA_G
ClientSampleId :
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Quant Time: Jan 13 01:39:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

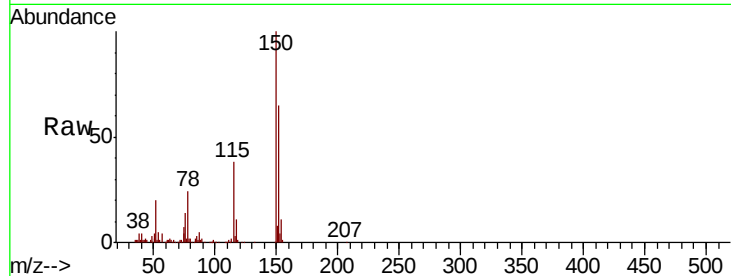
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

Instrument :
BNA_G
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	127.0	190.4
115	59.4	47.8	71.8

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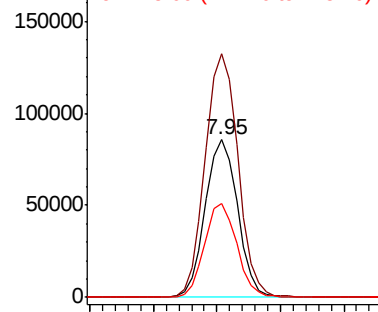


Abundance

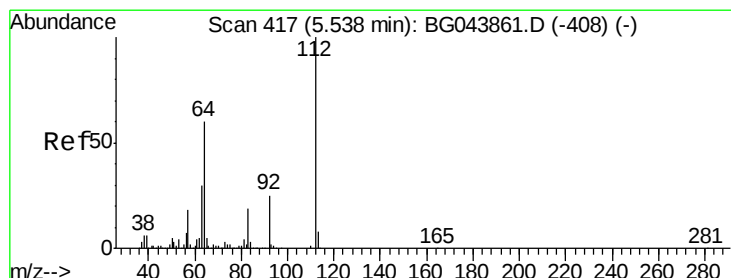
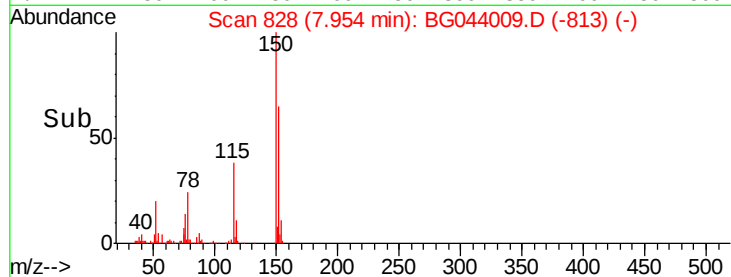
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



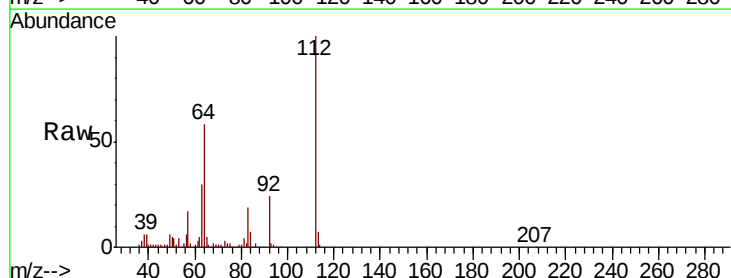
Time-->



#5

2-Fluorophenol
Concen: 48.845 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	47.8	71.6
63	29.8	24.3	36.5

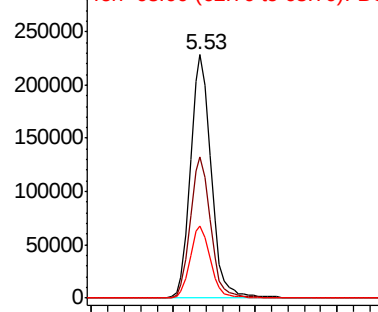


Abundance

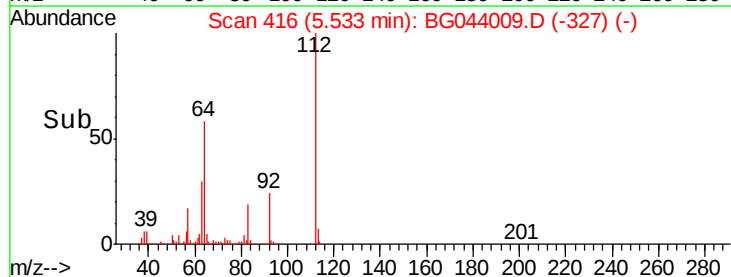
Ion 112.00 (111.70 to 112.70): E

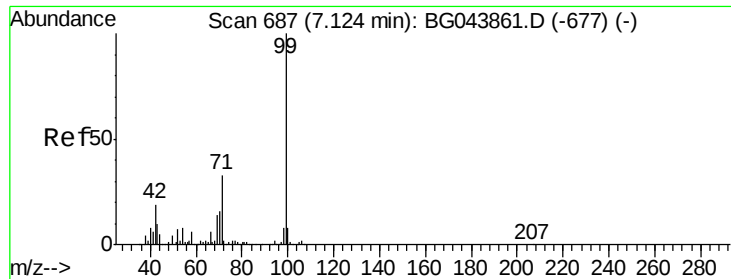
Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG



Time-->





#7

Phenol-d6

Concen: 51.473 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.01 min

Lab File: BG044009.D

Acq: 10 Jan 2020 19:59

Instrument :

BNA_G

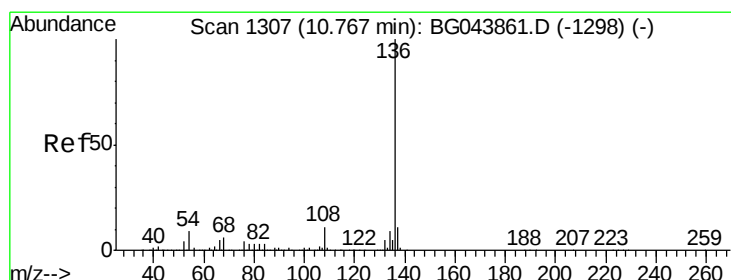
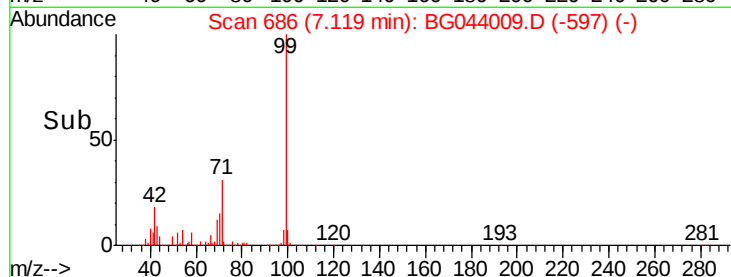
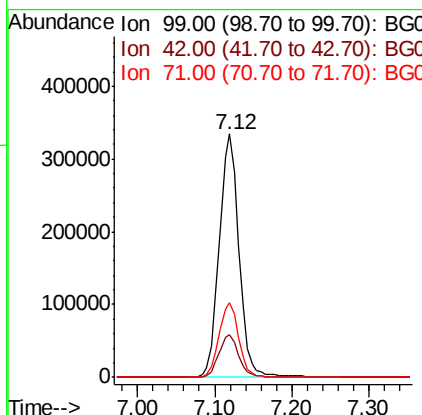
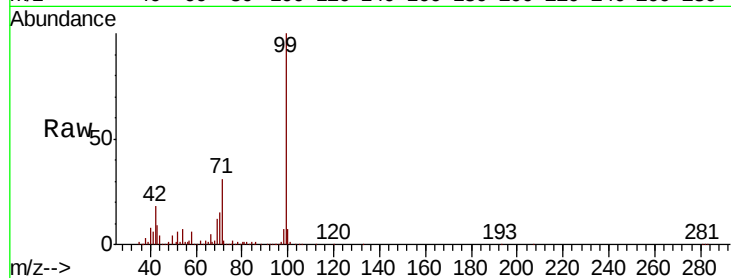
ClientSampleId :

AF-3

Tot Ion:	99	Resp:	594026
Ion Ratio	Lower	Upper	
99	100		
42	17.7	14.9	22.3
71	30.9	26.4	39.6

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#21

Naphthalene-d8

Concen: 20.000 ng

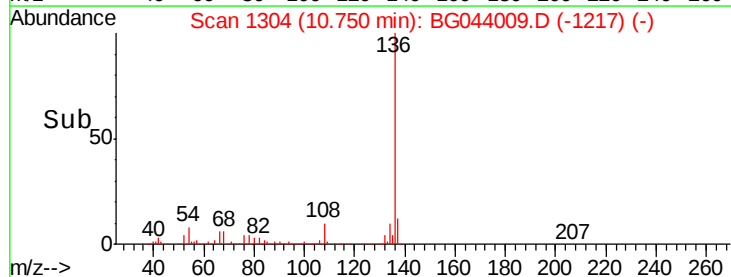
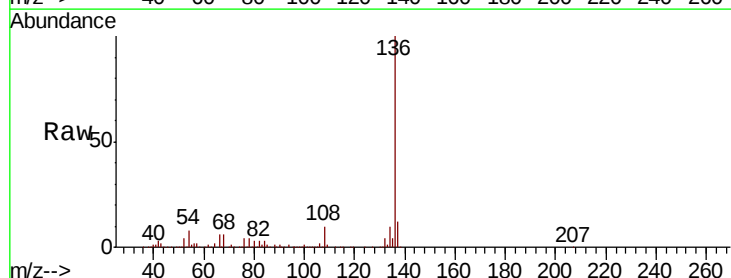
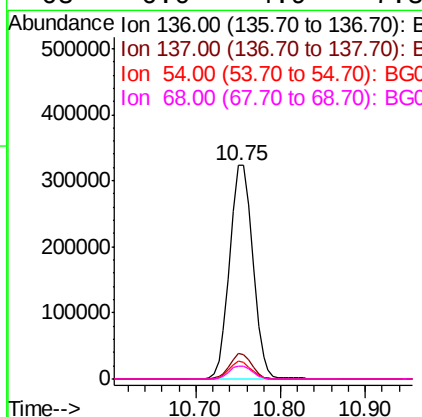
RT: 10.75 min Scan# 1304

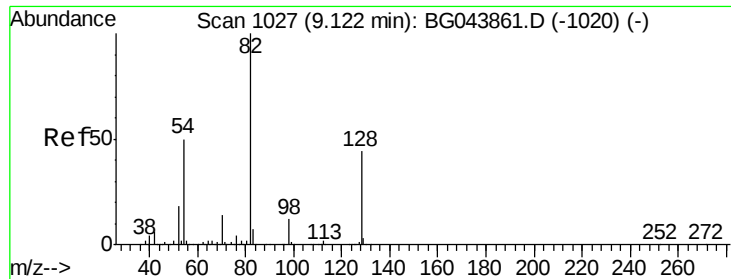
Delta R.T. -0.02 min

Lab File: BG044009.D

Acq: 10 Jan 2020 19:59

Tgt Ion:	136	Resp:	613732
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.8	13.2
54	8.3	7.0	10.4
68	6.0	4.9	7.3





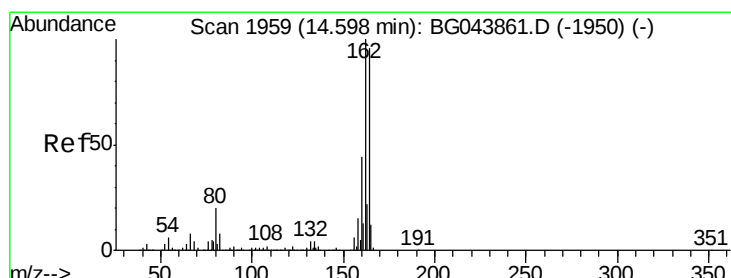
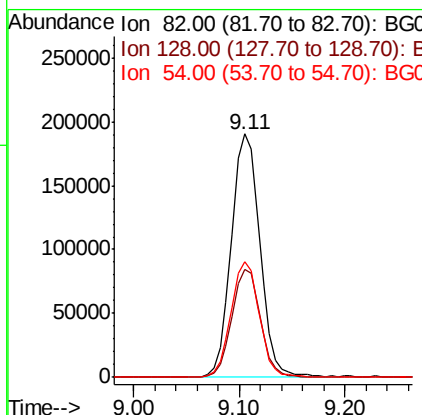
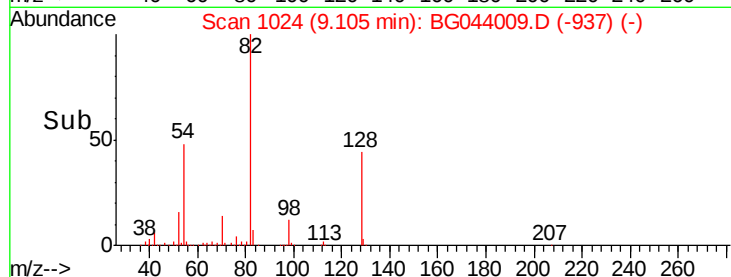
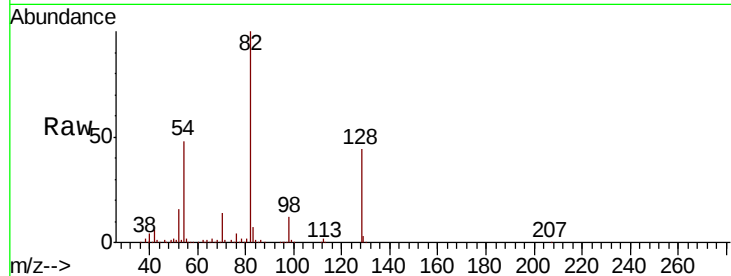
#23
Nitrobenzene-d5
Concen: 31.126 ng
RT: 9.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

Instrument :
BNA_G
ClientSampled :
AF-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.4	35.1	52.7
54	47.6	40.1	60.1

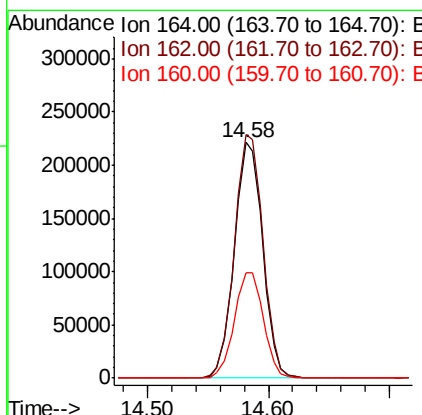
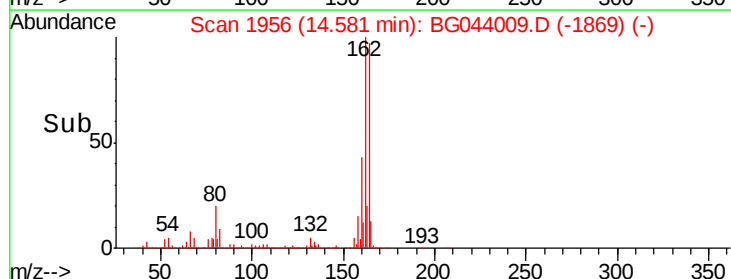
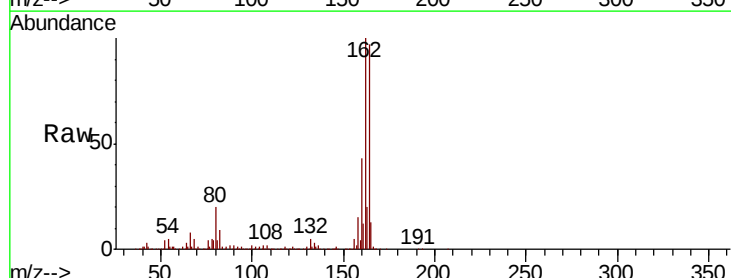
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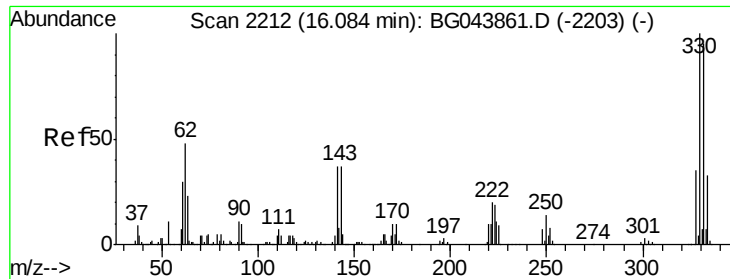
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.02 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	83.0	124.4
160	44.5	36.1	54.1





#42

2,4,6-Tribromophenol

Concen: 46.607 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.02 min

Lab File: BG044009.D

Acq: 10 Jan 2020 19:59

Instrument :

BNA_G

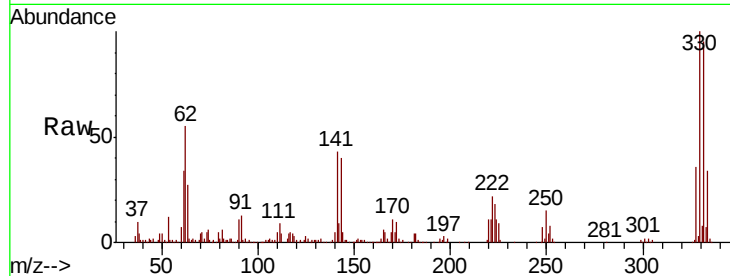
ClientSampleId :

AF-3

Tot Ion:	330	Resp:	176590
Ion Ratio	Lower	Upper	
330	100		
332	97.8	77.2	115.8
141	40.4	33.1	49.7

Manual Integrations
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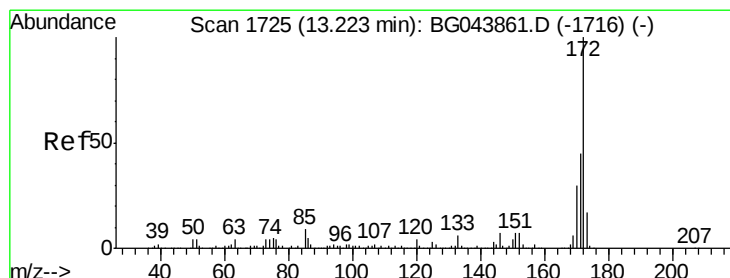
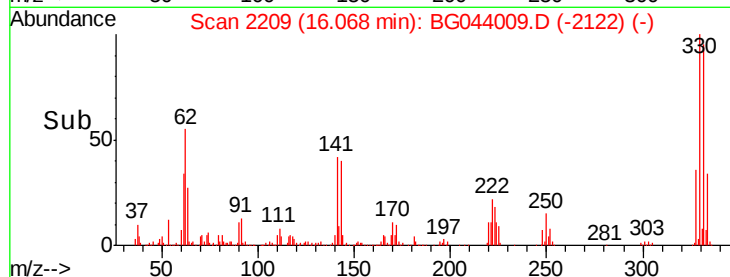
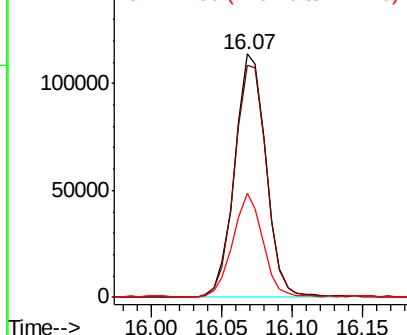


Abundance

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: 39.917 ng

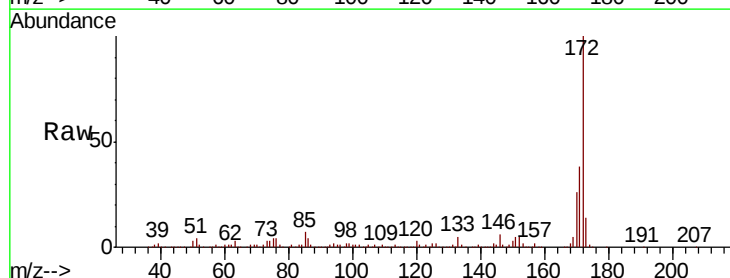
RT: 13.21 min Scan# 1722

Delta R.T. -0.02 min

Lab File: BG044009.D

Acq: 10 Jan 2020 19:59

Tgt Ion:	172	Resp:	797699
Ion Ratio	Lower	Upper	
172	100		
171	37.7	35.8	53.8
170	26.1	24.2	36.4

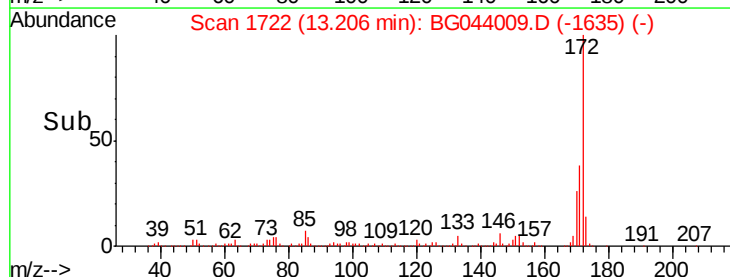
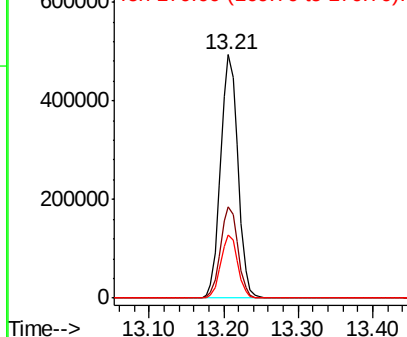


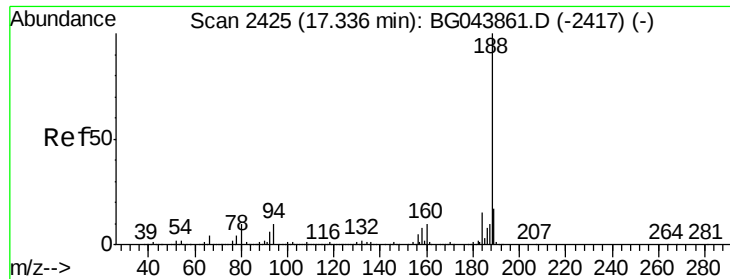
Abundance

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





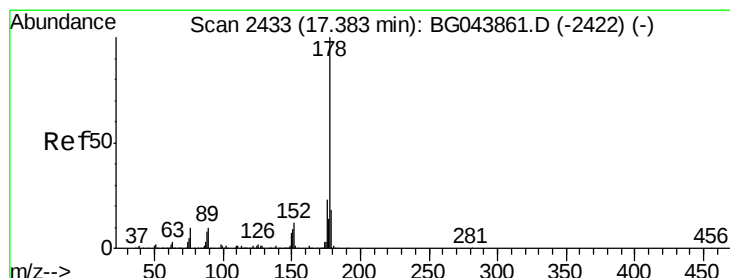
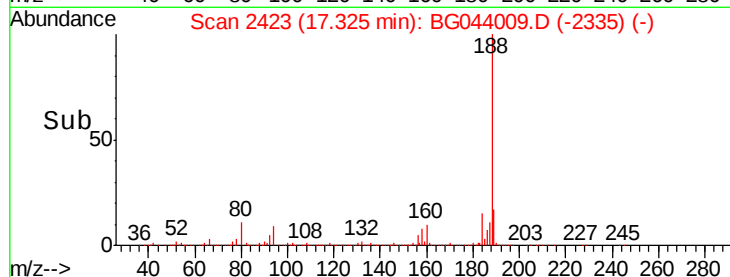
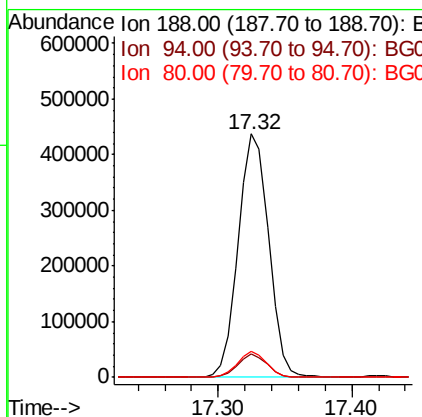
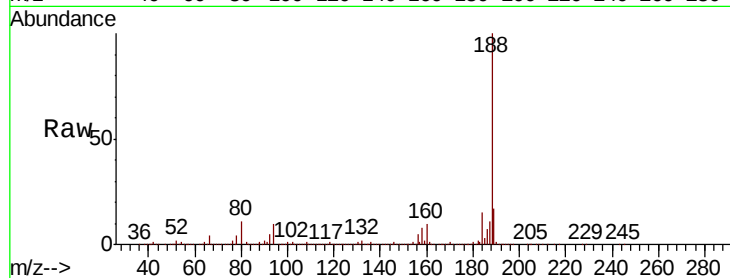
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.32 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

Instrument :
BNA_G
ClientSampled :
AF-3

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.5	7.9	11.9
80	10.9	8.2	12.4

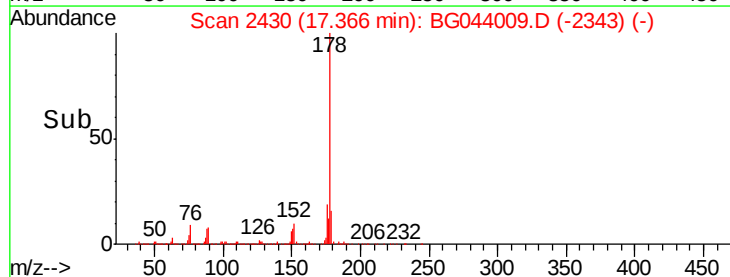
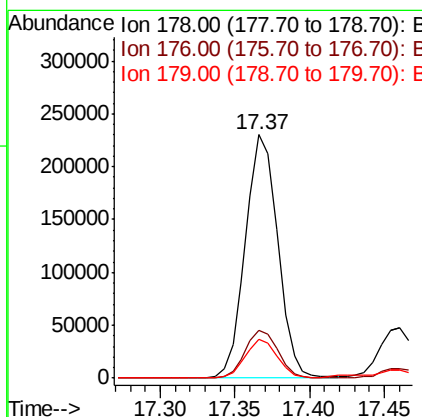
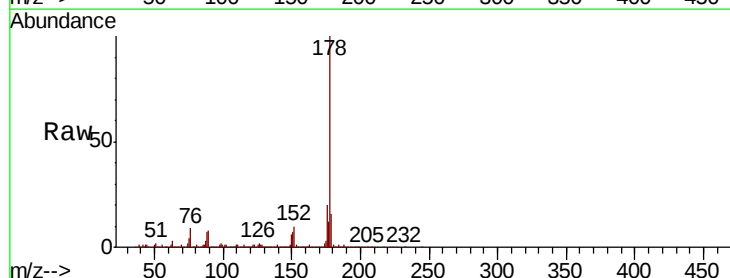
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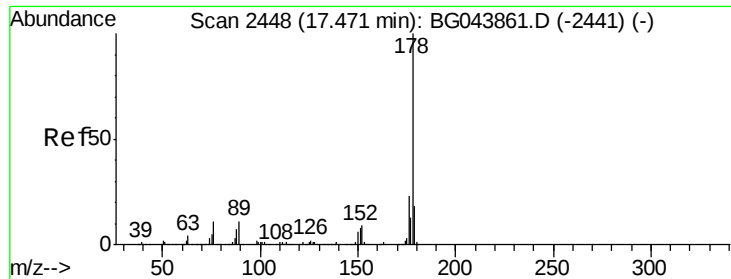
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#71
Phenanthrene
Concen: 10.455 ng
RT: 17.37 min Scan# 2430
Delta R.T. -0.02 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.5	18.6	28.0
179	16.2	14.4	21.6





#72

Anthracene

Concen: 2.165 ng

RT: 17.46 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BG044009.D

Acq: 10 Jan 2020 19:59

Instrument :

BNA_G

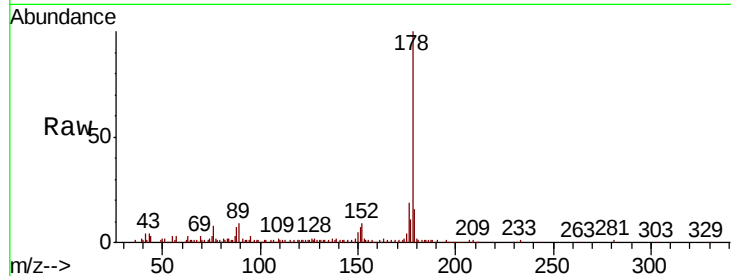
ClientSampled :

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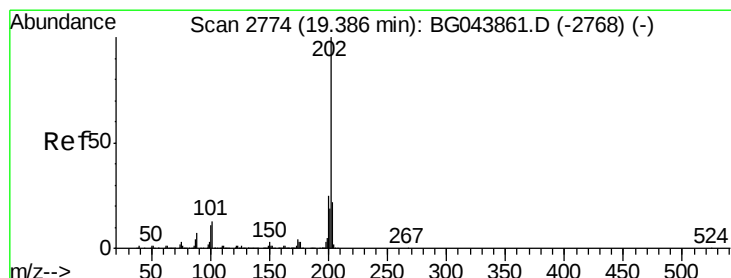
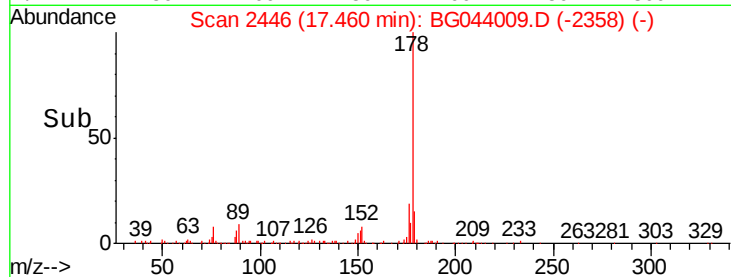
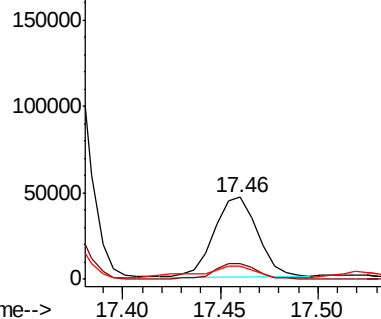
Tot Ion:	178	Resp:	70772
Ion Ratio	Lower	Upper	
178	100		
176	19.1	18.3	27.5
179	15.6	14.6	22.0

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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



#75

Fluoranthene

Concen: 26.454 ng

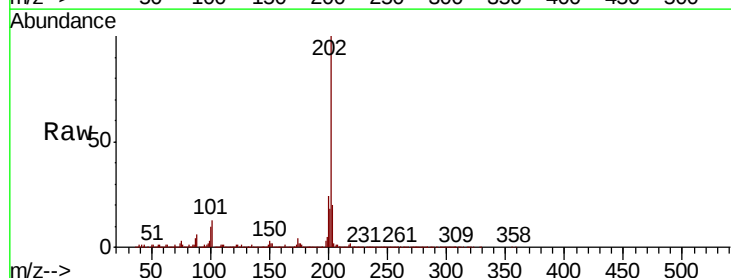
RT: 19.38 min Scan# 2772

Delta R.T. -0.01 min

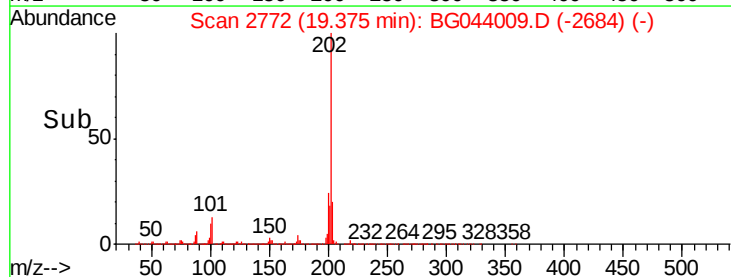
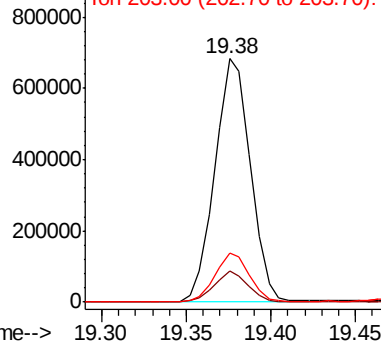
Lab File: BG044009.D

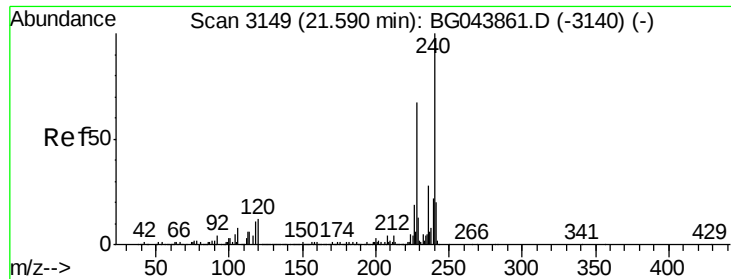
Acq: 10 Jan 2020 19:59

Tgt Ion:	202	Resp:	1000528
Ion Ratio	Lower	Upper	
202	100		
101	12.6	0.0	33.3
203	20.2	1.6	41.6



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





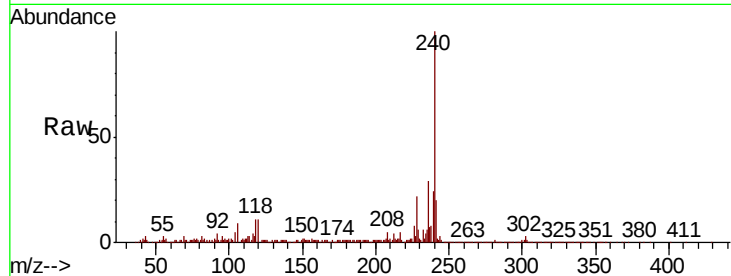
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.58 min Scan# 3147
Delta R.T. -0.01 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

Instrument :
BNA_G
ClientSampleId :
AF-3

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.6	14.4
236	29.0	22.2	33.2

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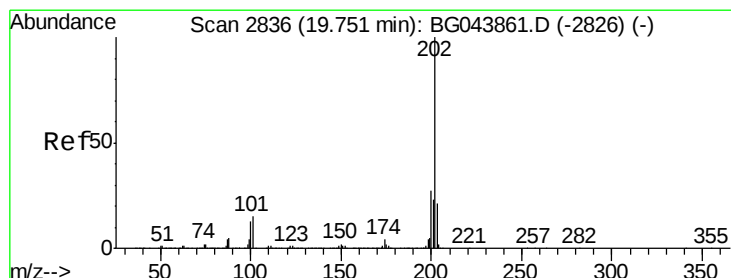
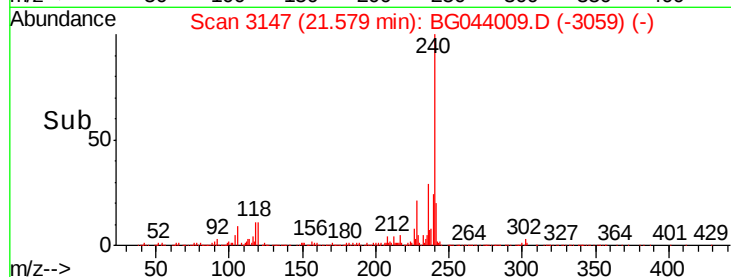
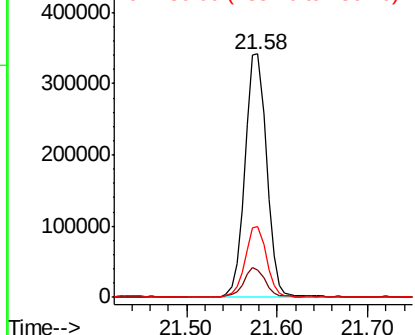


Abundance

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: 27.238 ng
RT: 19.74 min Scan# 2834
Delta R.T. -0.01 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

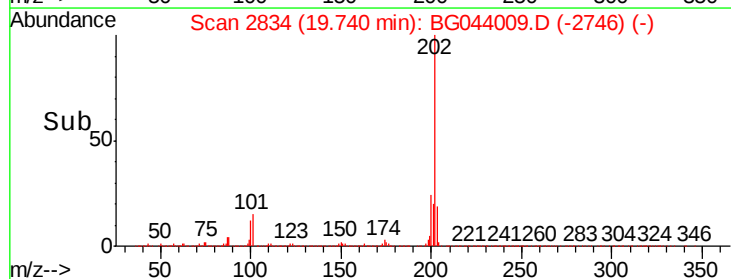
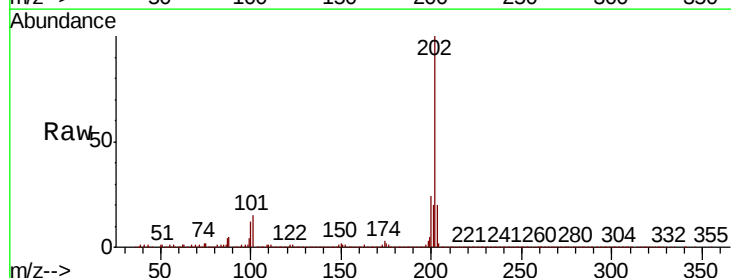
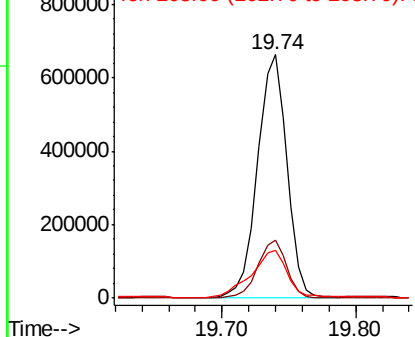
Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.8	21.7	32.5
203	19.5	17.0	25.6

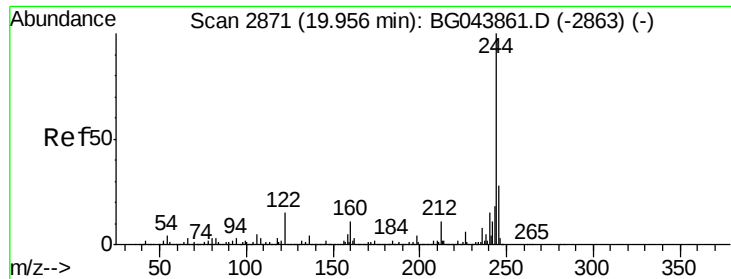
Abundance

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





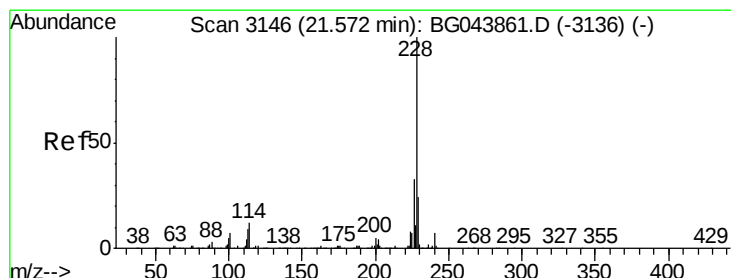
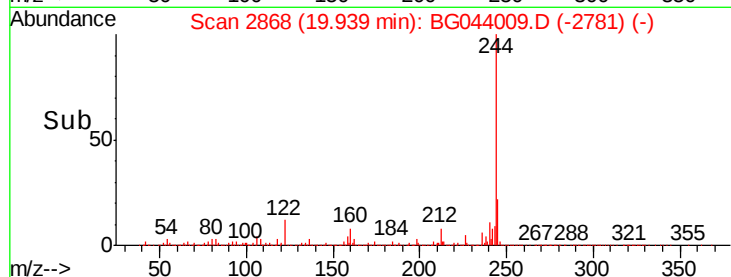
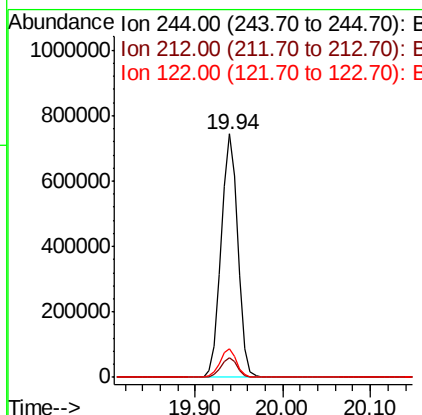
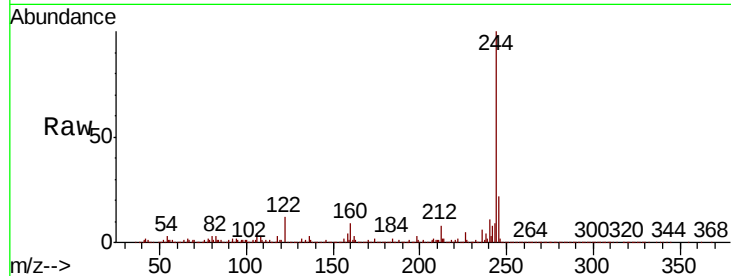
#79
 Terphenyl-d14
 Concen: 33.946 ng
 RT: 19.94 min Scan# 2868
 Delta R.T. -0.02 min
 Lab File: BG044009.D
 Acq: 10 Jan 2020 19:59

Instrument :
 BNA_G
 ClientSampled :
 AF-3

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	8.2	8.6	13.0#
122	11.9	11.9	17.9#

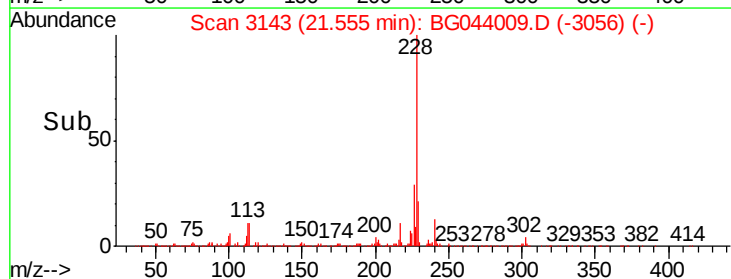
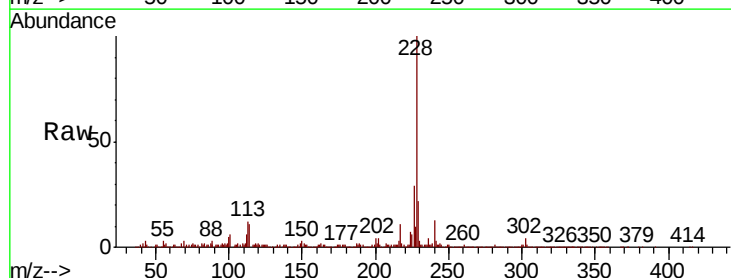
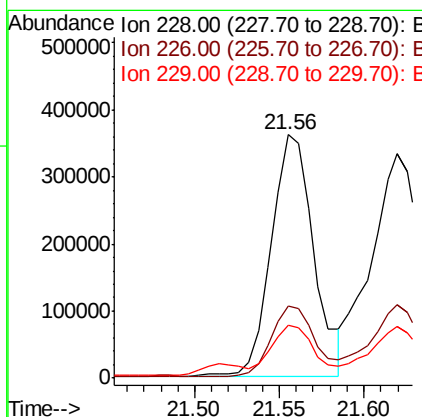
Manual Integrations
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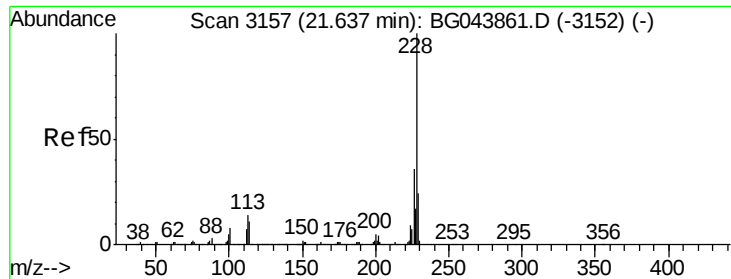
mohammad
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#81
 Benzo(a)anthracene
 Concen: 17.916 ng
 RT: 21.56 min Scan# 3143
 Delta R.T. -0.02 min
 Lab File: BG044009.D
 Acq: 10 Jan 2020 19:59

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.4	26.2	39.4
229	21.6	18.9	28.3





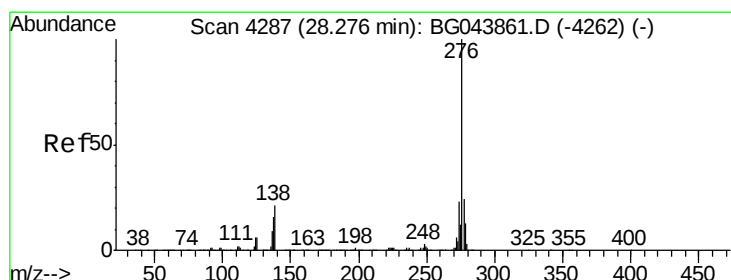
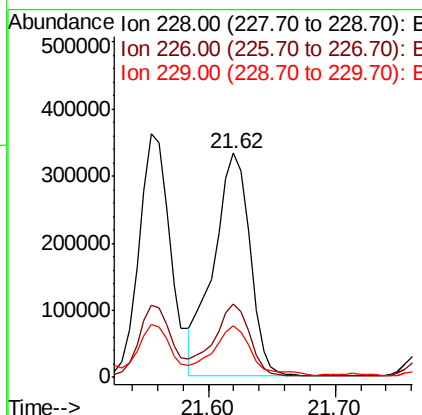
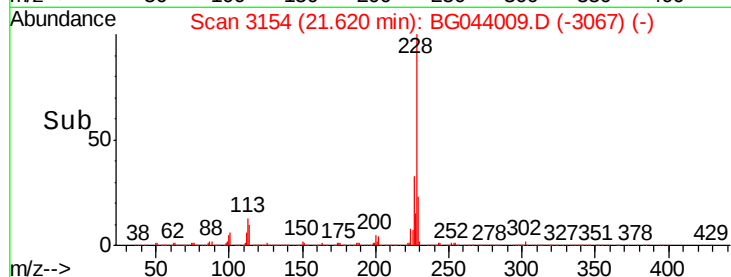
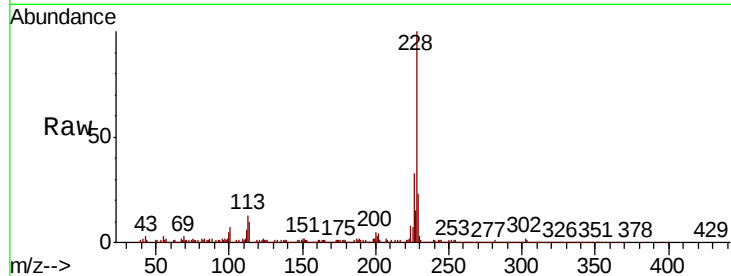
#83
Chrysene
Concen: 19.878 ng
RT: 21.62 min Scan# 3154
Delta R.T. -0.02 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

Instrument :
BNA_G
ClientSampled :
AF-3

Tot Ion:	228	Resp:	659877
Ion Ratio	Lower	Upper	
228	100		
226	32.9	28.8	43.2
229	23.2	19.0	28.6

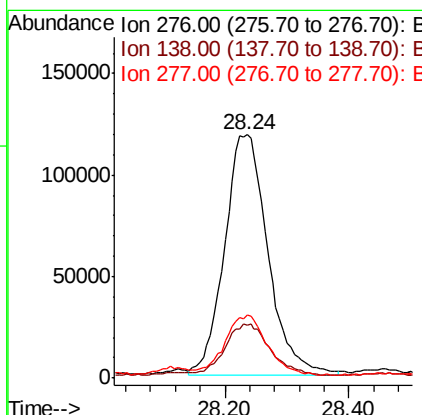
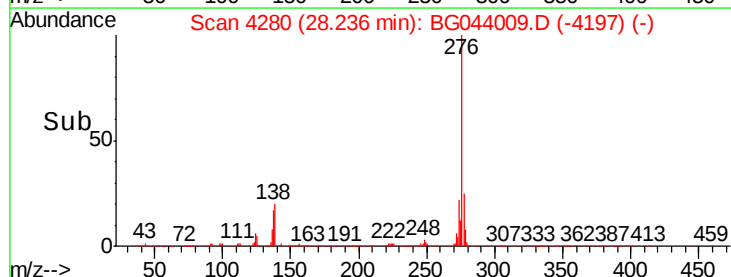
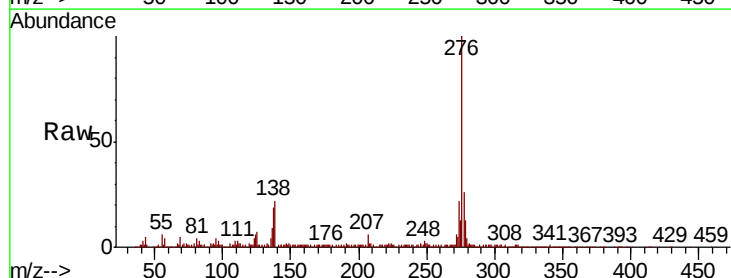
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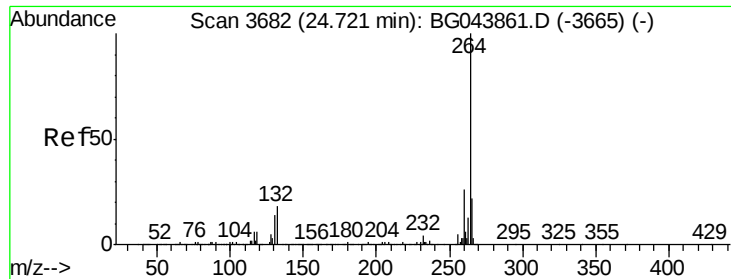
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 12.731 ng
RT: 28.24 min Scan# 4280
Delta R.T. -0.04 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

Tgt Ion:	276	Resp:	574318
Ion Ratio	Lower	Upper	
276	100		
138	22.1	21.0	31.4
277	24.2	21.1	31.7





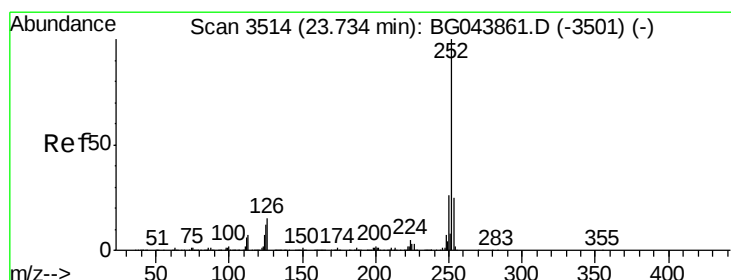
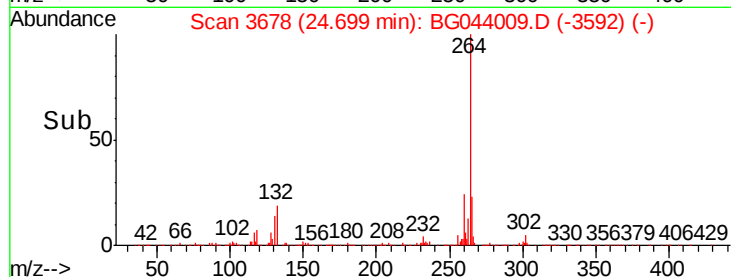
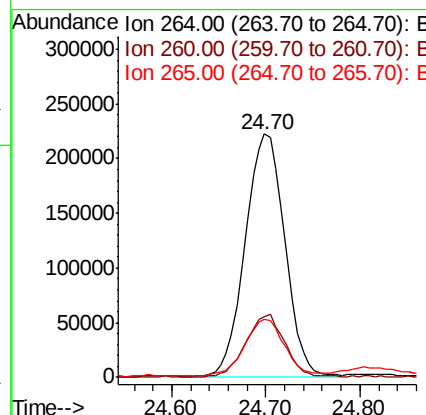
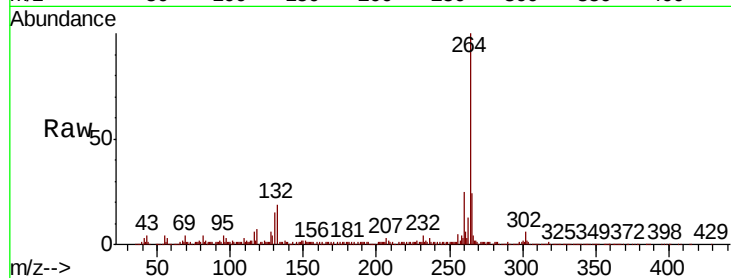
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.70 min Scan# 3678
Delta R.T. -0.02 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

Instrument :
BNA_G
ClientSampleId :
AF-3

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.4	30.6
265	23.7	17.4	26.2

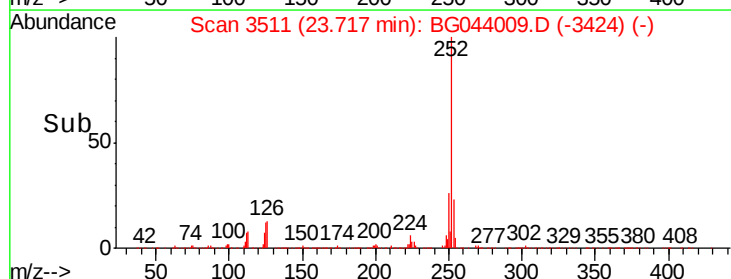
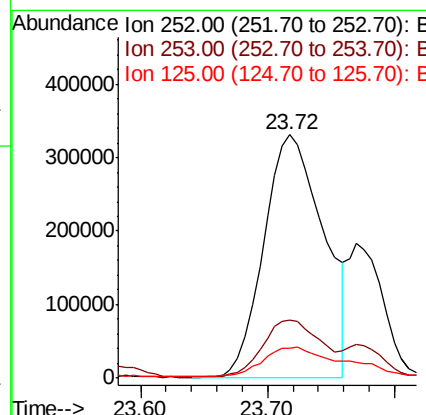
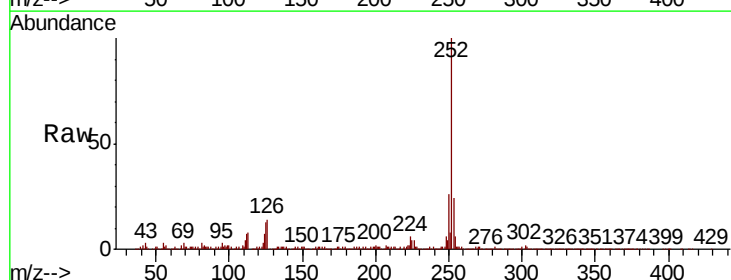
Manual Integrations
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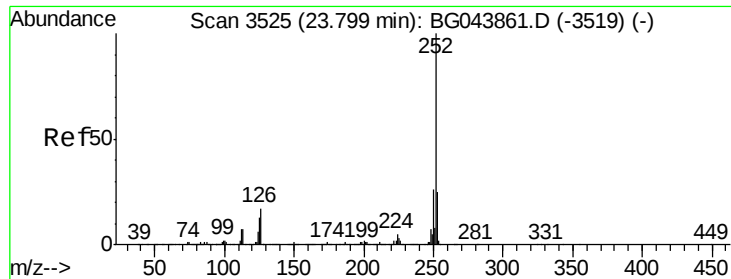
mohammad
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#88
Benzo(b)fluoranthene
Concen: 28.201 ng
RT: 23.72 min Scan# 3511
Delta R.T. -0.02 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.7	29.5
125	12.5	9.4	14.2





#89

Benzo(k)fluoranthene

Concen: 9.608 ng m

RT: 23.77 min Scan# 3520

Delta R.T. -0.03 min

Lab File: BG044009.D

Acq: 10 Jan 2020 19:59

Instrument :

BNA_G

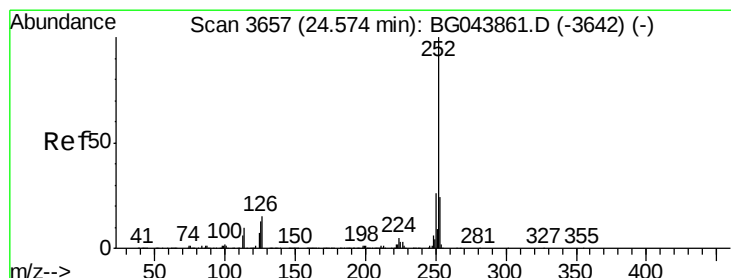
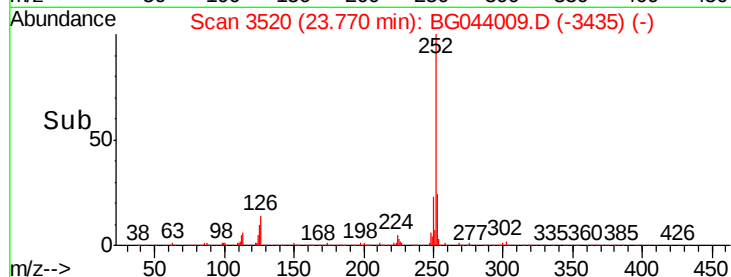
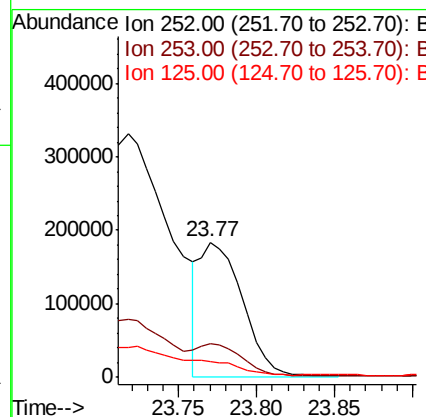
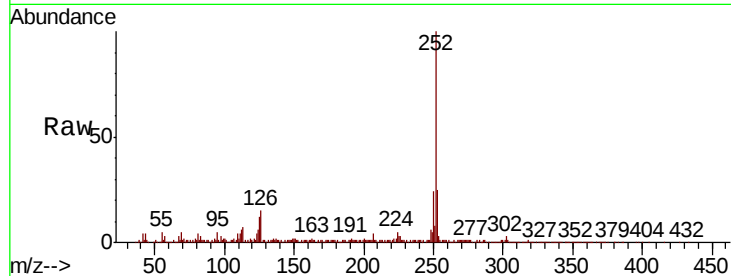
ClientSampled :

AF-3

Tot Ion:	252	Resp:	349314
Ion Ratio	Lower	Upper	
252	100		
253	24.7	19.4	29.2
125	11.8	9.9	14.9

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 19.420 ng

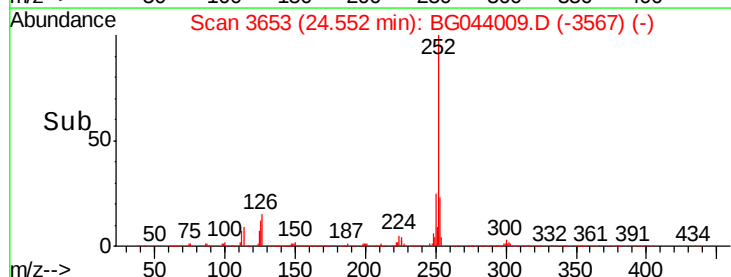
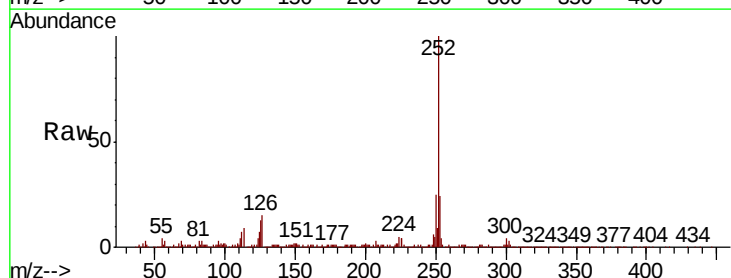
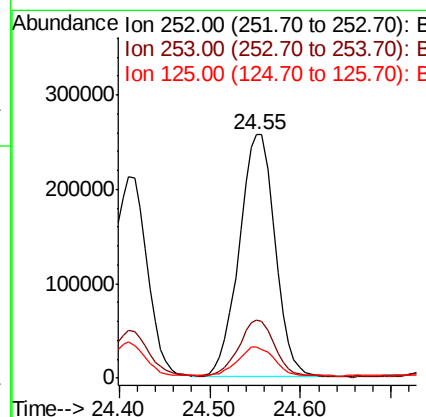
RT: 24.55 min Scan# 3653

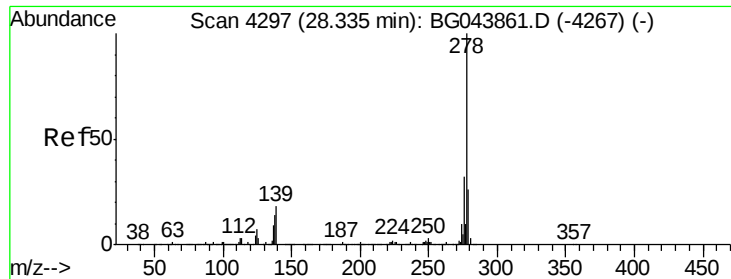
Delta R.T. -0.02 min

Lab File: BG044009.D

Acq: 10 Jan 2020 19:59

Tgt Ion:	252	Resp:	700721
Ion Ratio	Lower	Upper	
252	100		
253	24.0	19.3	28.9
125	12.8	10.4	15.6





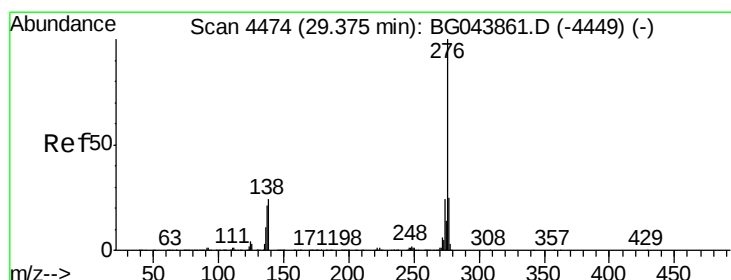
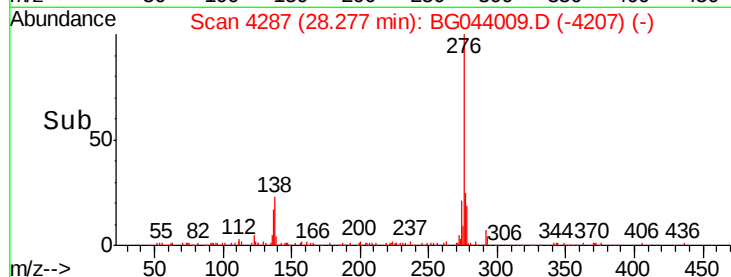
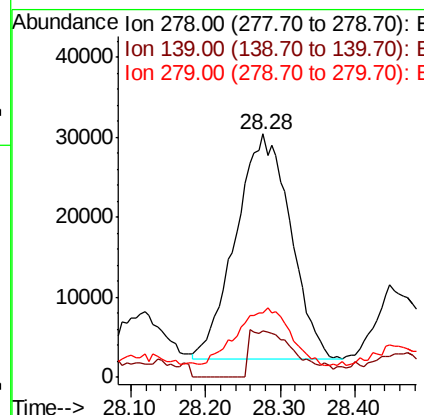
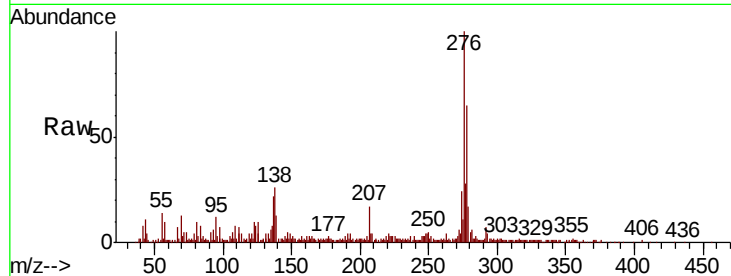
#91
Dibenzo(a,h)anthracene
Concen: 3.956 ng
RT: 28.28 min Scan# 4287
Delta R.T. -0.06 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

Instrument :
BNA_G
ClientSampleId :
AF-3

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.4	14.2	21.4
279	26.6	20.6	30.8

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 16.416 ng
RT: 29.34 min Scan# 4468
Delta R.T. -0.03 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	20.2	30.4
138	22.7	19.0	28.6

