

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090420\
 Data File : BG046549.D
 Acq On : 4 Sep 2020 20:41
 Operator : CG/JU
 Sample : L3877-17 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Manual Integrations
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Quant Time: Sep 08 01:18:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 15:06:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	80356	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	304690	20.00	ng	0.00
39) Acenaphthene-d10	14.57	164	200732	20.00	ng	0.00
64) Phenanthrene-d10	17.31	188	438571	20.00	ng	0.00
76) Chrysene-d12	21.56	240	443990	20.00	ng	0.00
86) Perylene-d12	24.67	264	455110	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	177300	39.08	ng	0.00
7) Phenol-d6	7.10	99	225407	35.05	ng	0.00
23) Nitrobenzene-d5	9.08	82	168428	31.59	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	92138	33.88	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	363797	27.67	ng	0.00
79) Terphenyl-d14	19.92	244	520396	24.94	ng	0.00
Target Compounds						
31) Naphthalene	10.78	128	153229	10.300	ng	Qvalue # 87
37) 2-Methylnaphthalene	12.39	142	1107367	94.380	ng	# 96
38) 1-Methylnaphthalene	12.62	142	1688778	151.952	ng	# 98
52) Acenaphthene	14.63	154	323796	29.090	ng	98
55) Dibenzofuran	14.97	168	125439	7.022	ng	# 42
56) 4-Nitrophenol	14.78	139	30110	11.033	ng	# 73
58) Fluorene	15.61	166	492431	32.845	ng	98
71) Phenanthrene	17.35	178	1690720	76.056	ng	95
72) Anthracene	17.44	178	521421	23.774	ng	98
75) Fluoranthene	19.36	202	922222	32.237	ng	98
78) Pyrene	19.72	202	1488925	52.663	ng	97
81) Benzo(a)anthracene	21.54	228	546942m	19.764	ng	
83) Chrysene	21.60	228	555605	20.872	ng	98
87) Indeno(1,2,3-cd)pyrene	28.17	276	145106	4.439	ng	# 93
88) Benzo(b)fluoranthene	23.68	252	360497	12.686	ng	# 97
89) Benzo(k)fluoranthene	23.74	252	112536m	4.098	ng	
90) Benzo(a)pyrene	24.52	252	350779	13.227	ng	99
92) Benzo(g,h,i)perylene	29.26	276	153837	5.840	ng	98

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

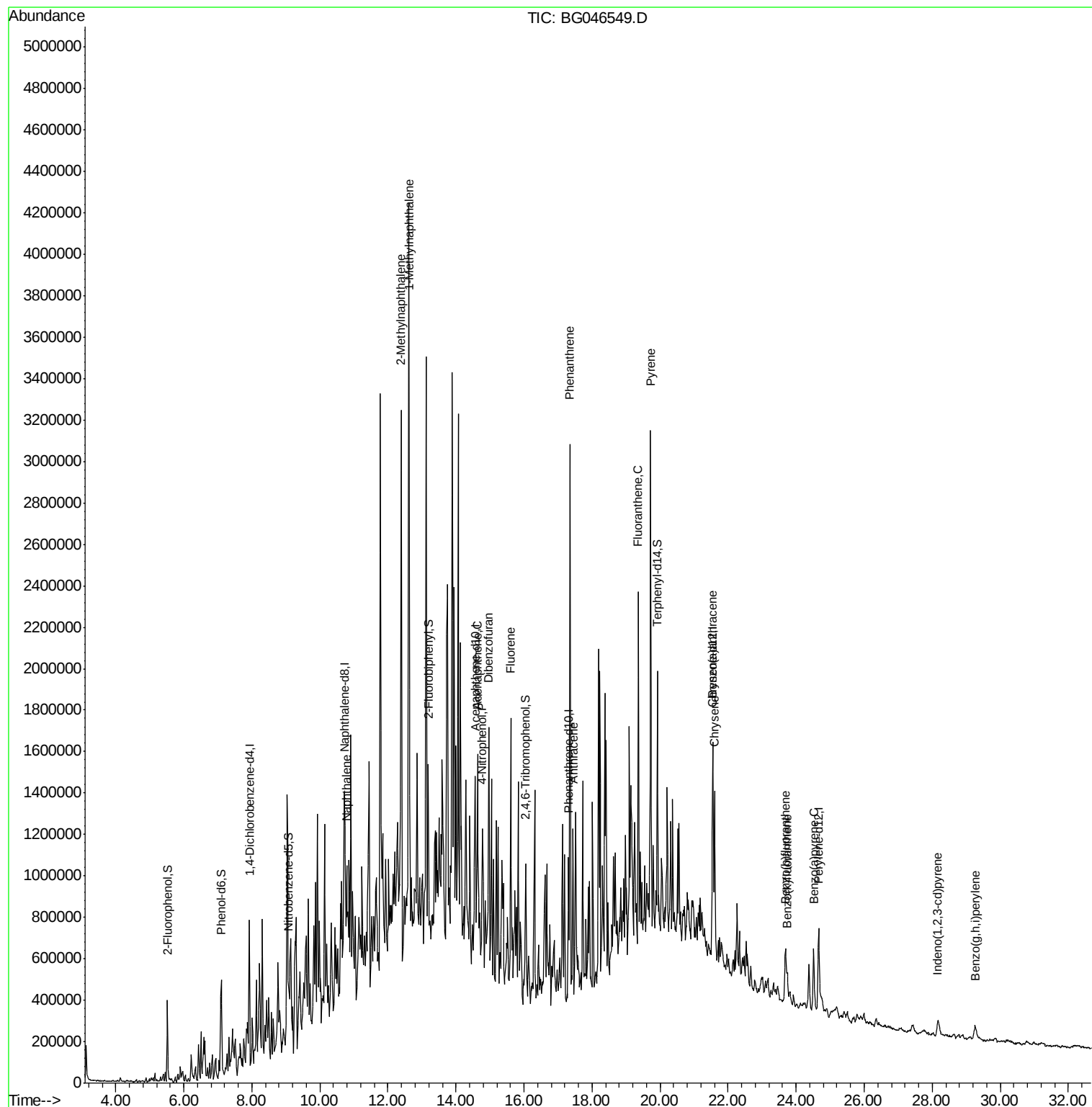
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090420\
Data File : BG046549.D
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Sample : L3877-17 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

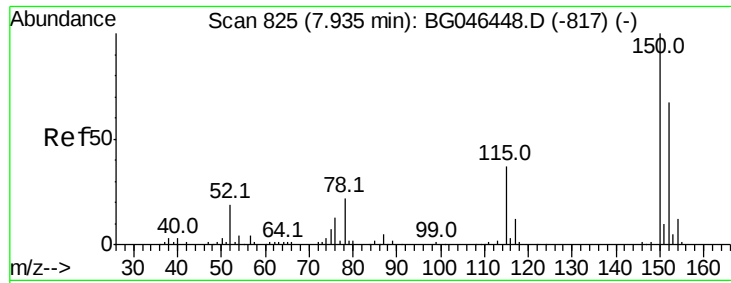
Instrument :
BNA_G
ClientSampleId :
TP-4

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Quant Time: Sep 08 01:18:26 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 02 15:06:53 2020
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#1

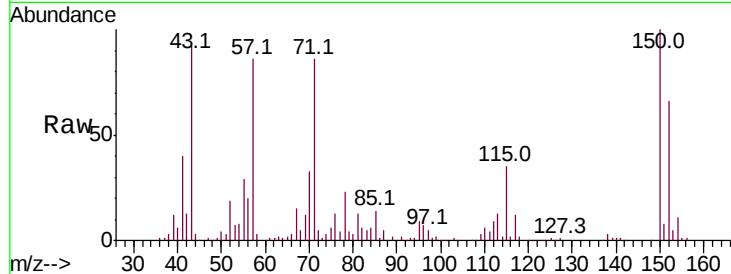
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BG046549.D
Acq: 4 Sep 2020 20:41

Instrument :
BNA_G
ClientSampled :
TP-4

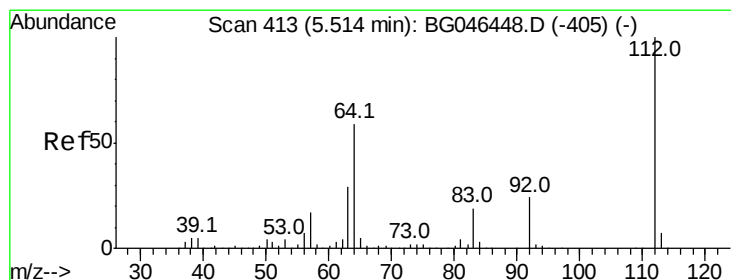
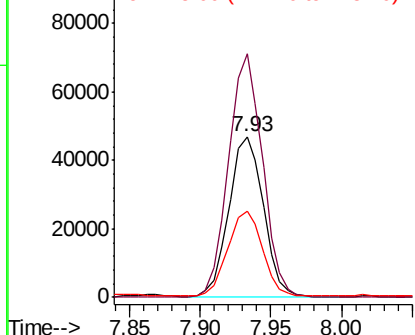
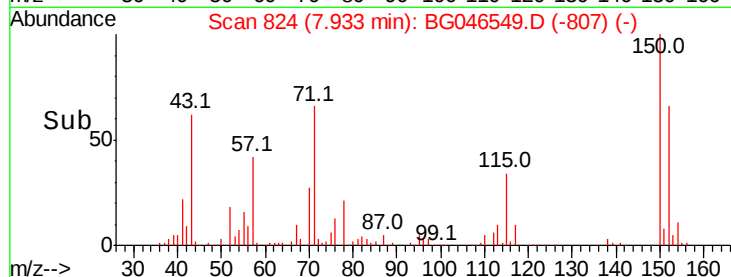
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.4	119.5	179.3
115	53.2	44.3	66.5

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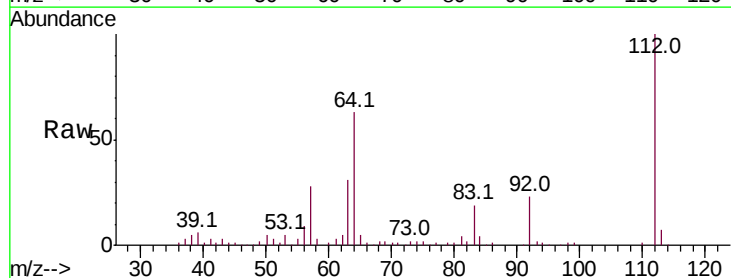
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



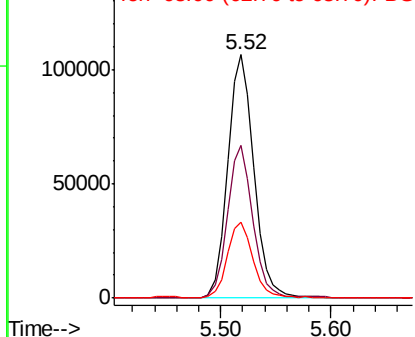
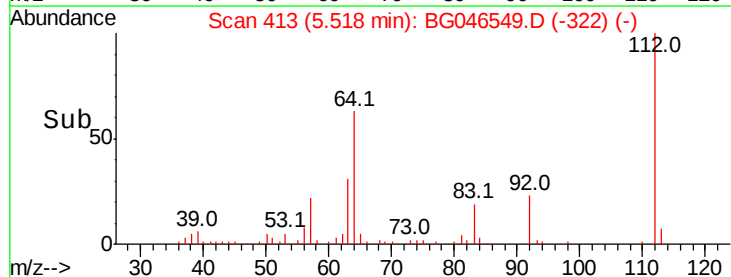
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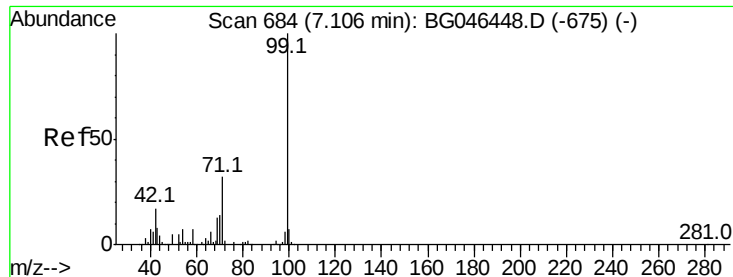
2-Fluorophenol
Concen: 39.080 ng
RT: 5.52 min Scan# 413
Delta R.T. 0.00 min
Lab File: BG046549.D
Acq: 4 Sep 2020 20:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.7	47.0	70.6
63	31.4	23.5	35.3



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: 35.048 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046549.D

Acq: 4 Sep 2020 20:41

Instrument :

BNA_G

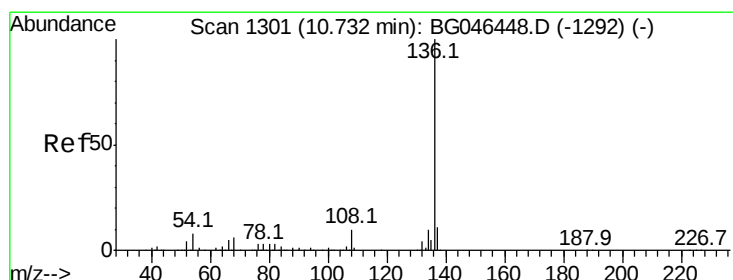
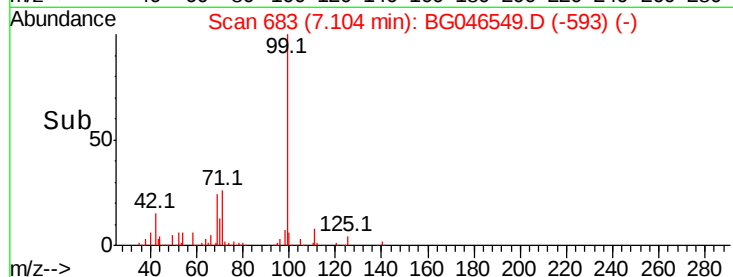
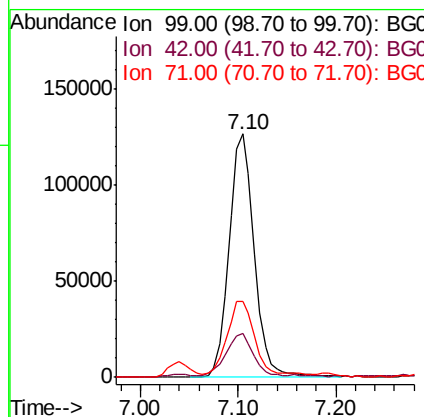
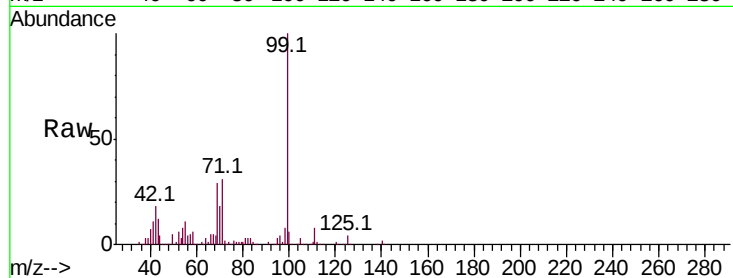
ClientSampleId :

TP-4

Tot Ion:	99	Resp:	225407
Ion Ratio	Lower	Upper	
99	100		
42	18.2	13.3	19.9
71	31.0	25.3	37.9

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#21

Naphthalene-d8

Concen: 20.000 ng

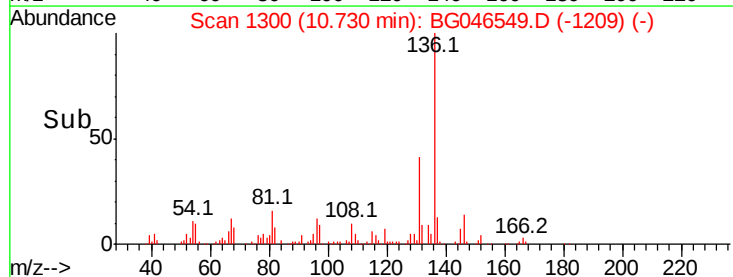
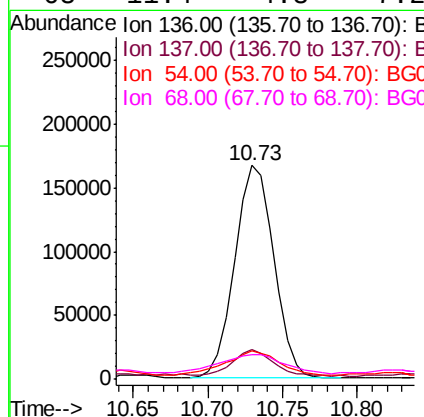
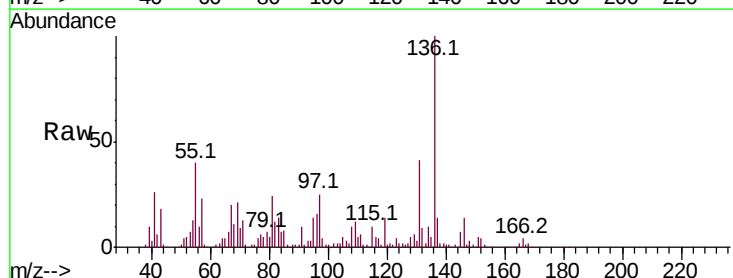
RT: 10.73 min Scan# 1300

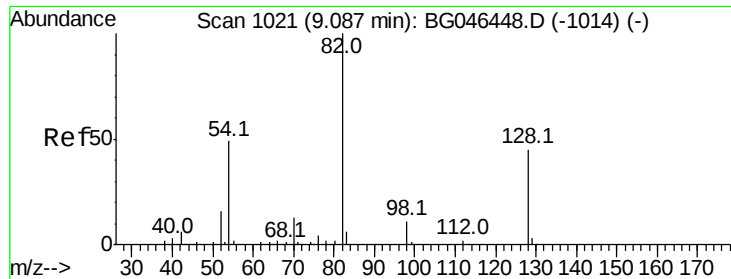
Delta R.T. 0.00 min

Lab File: BG046549.D

Acq: 4 Sep 2020 20:41

Tgt Ion:	136	Resp:	304690
Ion Ratio	Lower	Upper	
136	100		
137	14.0	8.8	13.2#
54	13.0	6.1	9.1#
68	11.4	4.8	7.2#





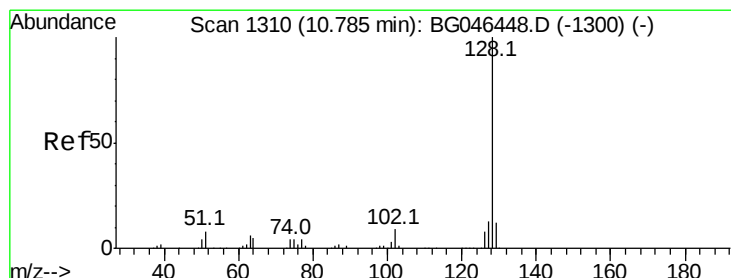
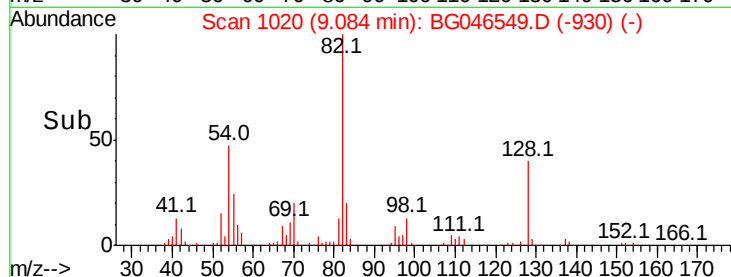
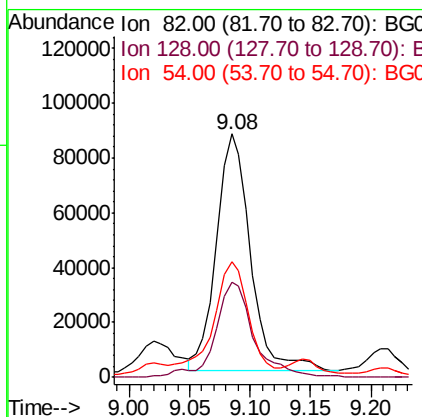
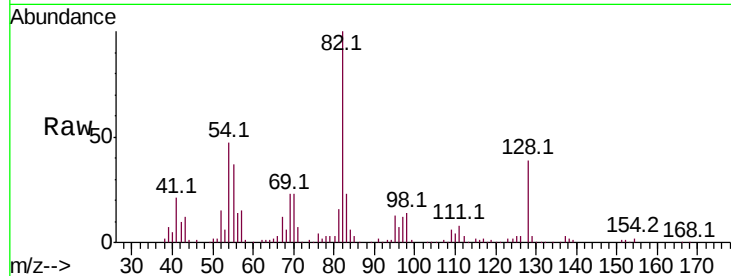
#23
Nitrobenzene-d5
Concen: 31.594 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG046549.D
Acq: 4 Sep 2020 20:41

Instrument :
BNA_G
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.1	35.7	53.5
54	47.4	39.4	59.0

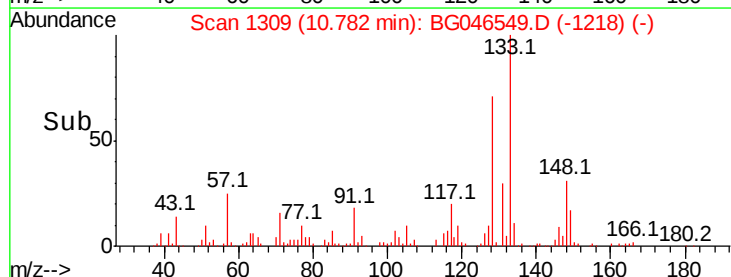
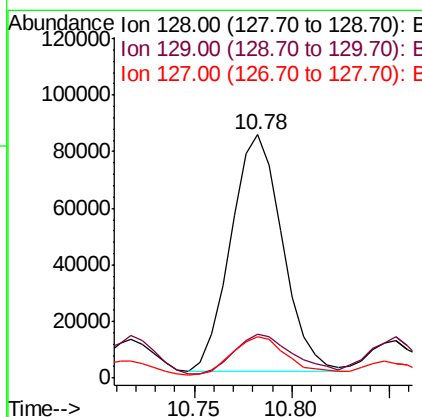
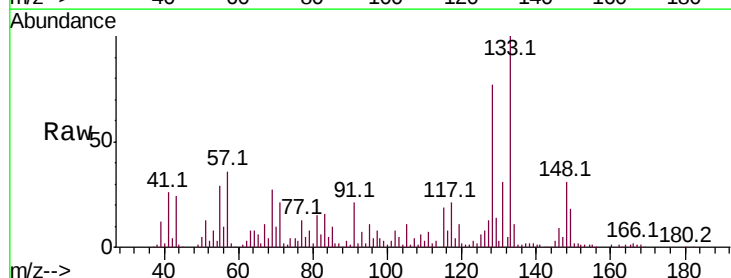
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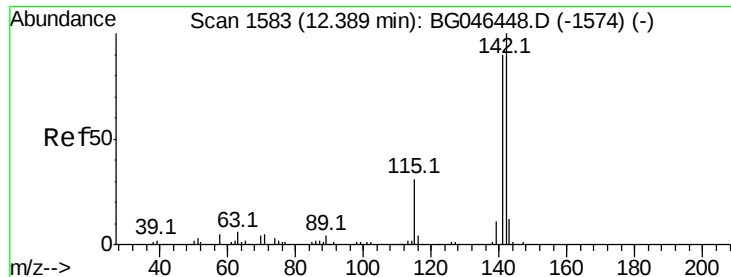
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#31
Naphthalene
Concen: 10.300 ng
RT: 10.78 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BG046549.D
Acq: 4 Sep 2020 20:41

Tgt Ion	Ratio	Lower	Upper
128	100		
129	18.1	9.2	13.8#
127	17.1	10.7	16.1#





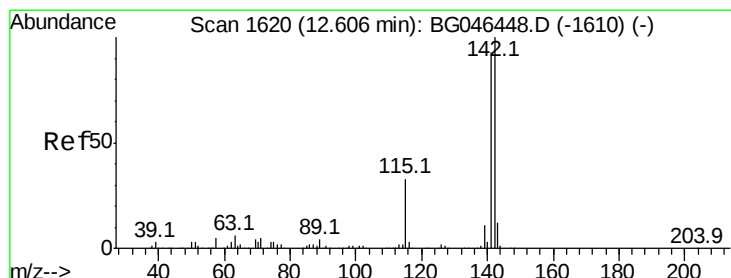
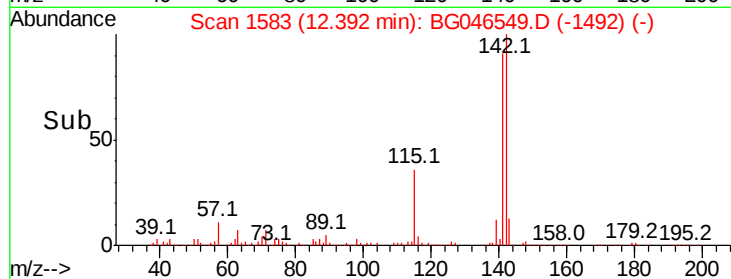
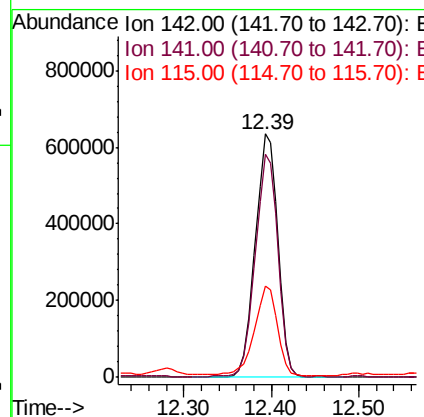
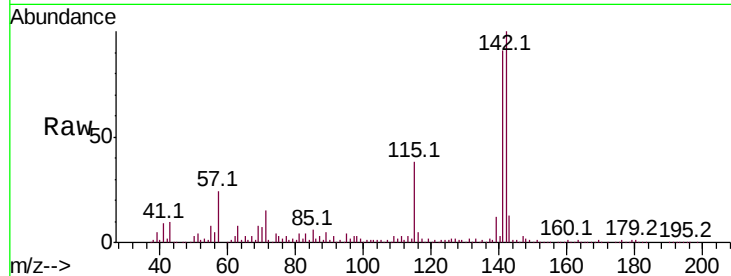
#37
2-Methylnaphthalene
Concen: 94.380 ng
RT: 12.39 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BG046549.D
Acq: 4 Sep 2020 20:41

Instrument :
BNA_G
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.4	72.1	108.1
115	37.7	24.9	37.3

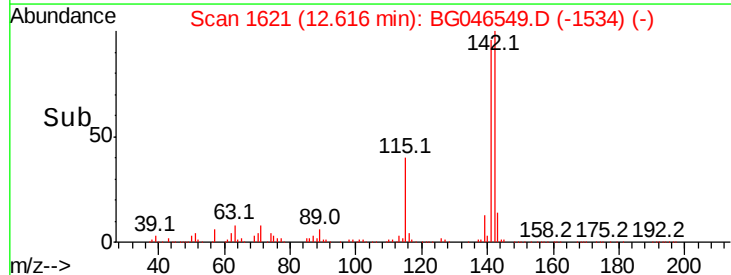
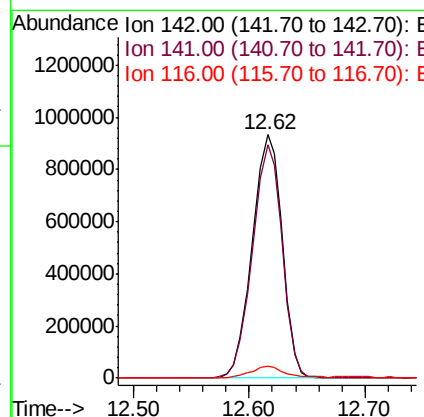
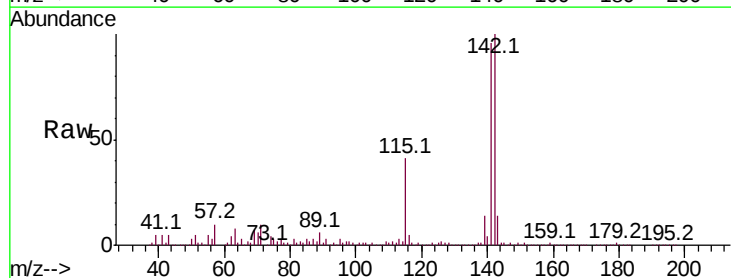
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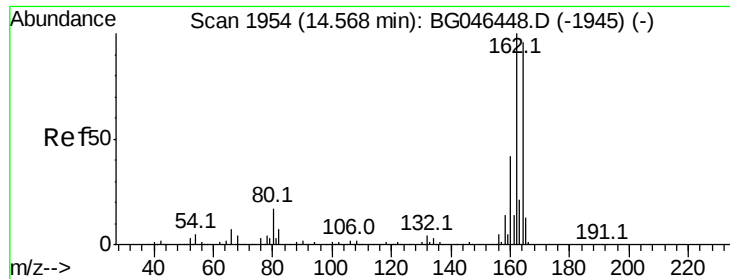
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#38
1-Methylnaphthalene
Concen: 151.952 ng
RT: 12.62 min Scan# 1621
Delta R.T. 0.01 min
Lab File: BG046549.D
Acq: 4 Sep 2020 20:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.6	74.7	112.1
116	4.7	2.6	4.0





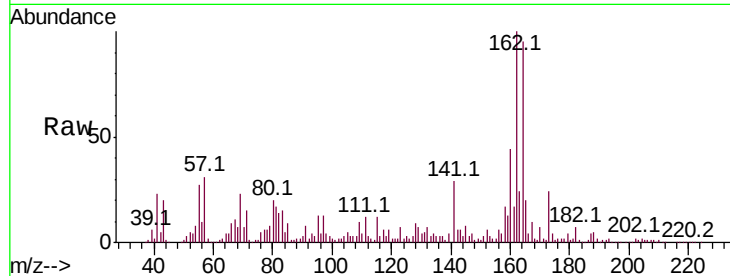
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.57 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: BG046549.D
 Acq: 4 Sep 2020 20:41

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

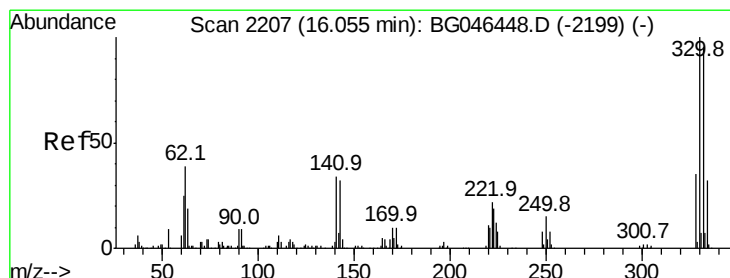
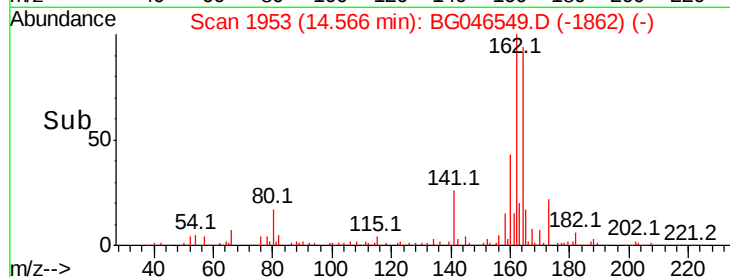
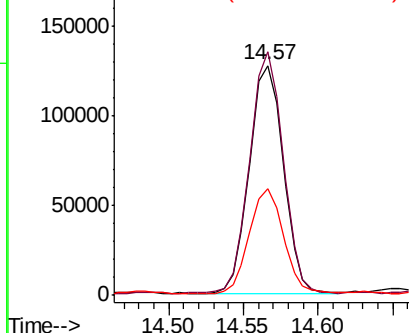
Tot Ion	Ratio	Lower	Upper
164	100		
162	105.8	83.3	124.9
160	46.3	35.0	52.6

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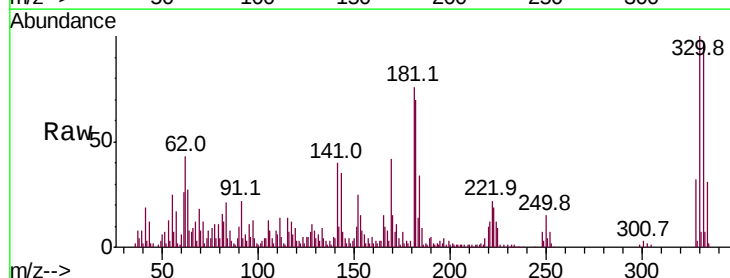


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

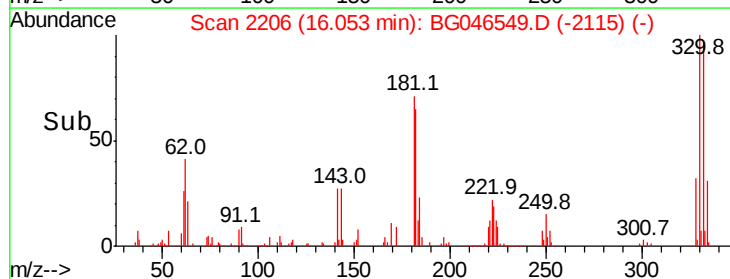
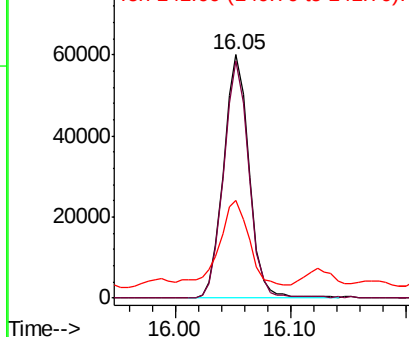


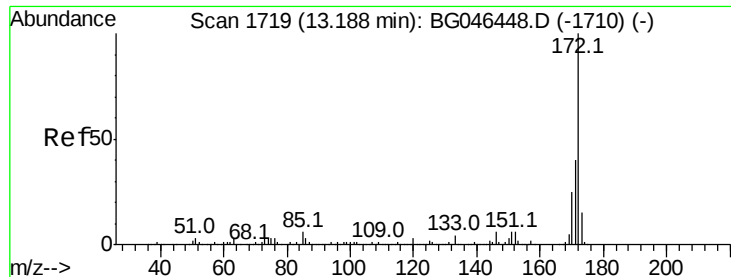
#42
 2,4,6-Tribromophenol
 Concen: 33.877 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BG046549.D
 Acq: 4 Sep 2020 20:41

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.1	114.1
141	40.1	26.1	39.1#



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





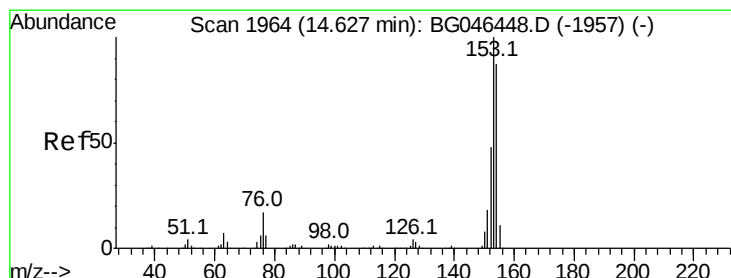
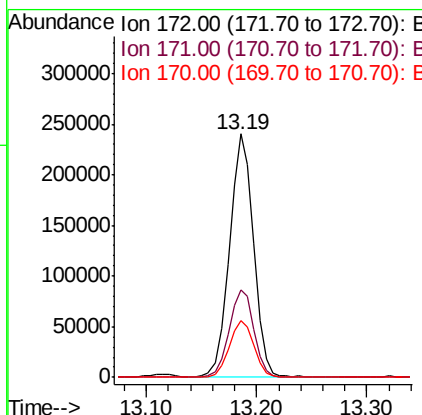
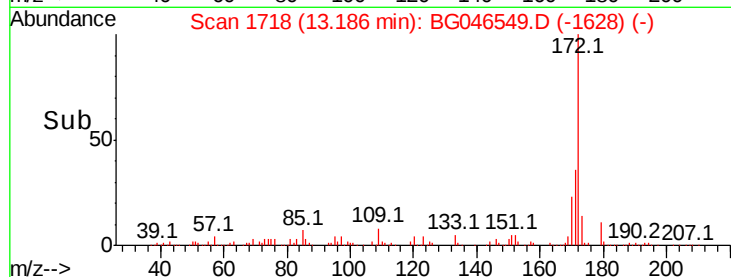
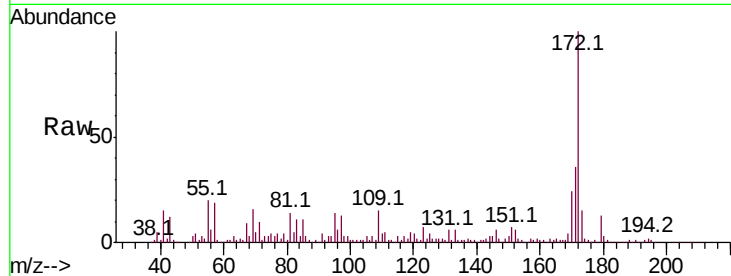
#45
2-Fluorobiphenyl
Concen: 27.667 ng
RT: 13.19 min Scan# 1718
Delta R.T. -0.00 min
Lab File: BG046549.D
Acq: 4 Sep 2020 20:41

Instrument :
BNA_G
ClientSampleId :
TP-4

Tot Ion:	172	Resp:	363797
Ion Ratio	Lower	Upper	
172	100		
171	35.9	31.8	47.6
170	23.5	20.3	30.5

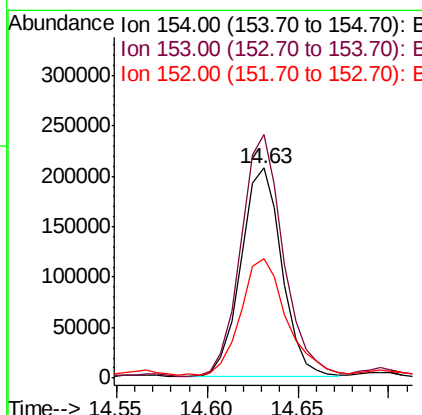
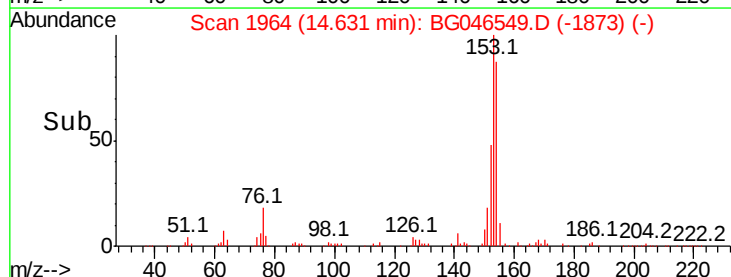
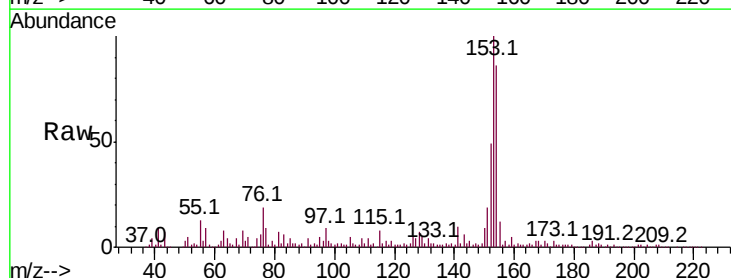
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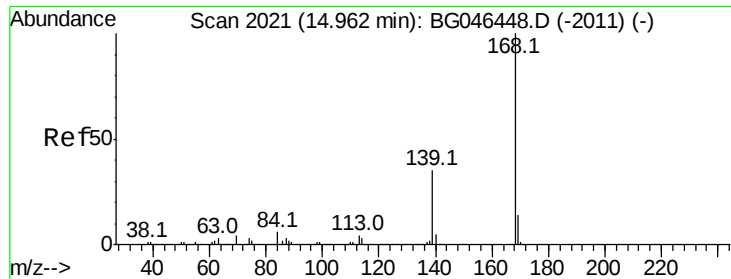
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#52
Acenaphthene
Concen: 29.090 ng
RT: 14.63 min Scan# 1964
Delta R.T. 0.00 min
Lab File: BG046549.D
Acq: 4 Sep 2020 20:41

Tgt Ion:	154	Resp:	323796
Ion Ratio	Lower	Upper	
154	100		
153	115.9	91.9	137.9
152	56.7	43.8	65.6





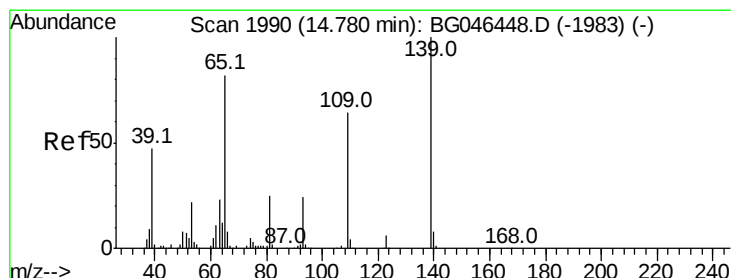
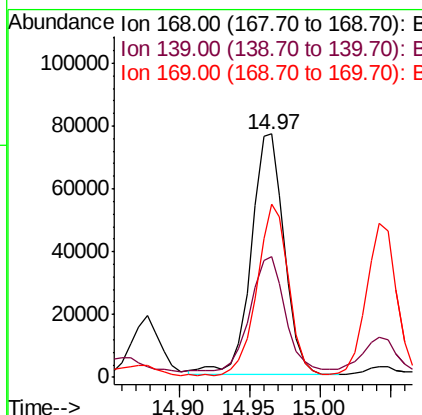
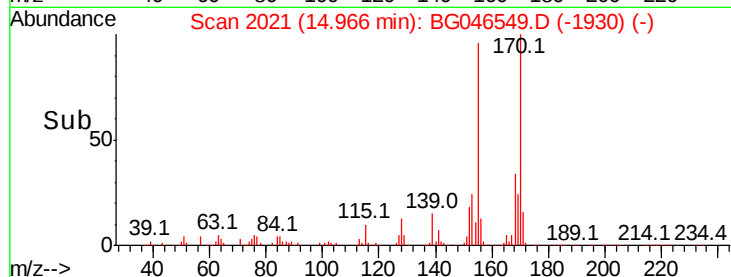
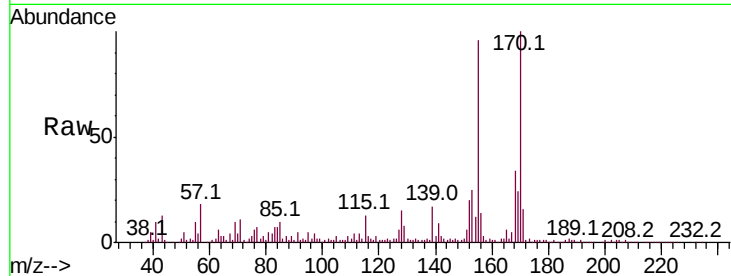
#55
Dibenzofuran
Concen: 7.022 ng
RT: 14.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BG046549.D
Acq: 4 Sep 2020 20:41

Instrument :
BNA_G
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
168	100		
139	49.5	28.1	42.1#
169	71.0	11.5	17.3#

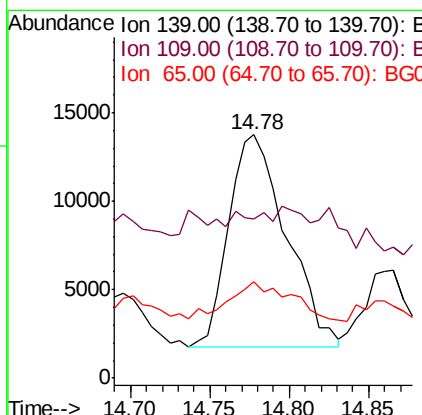
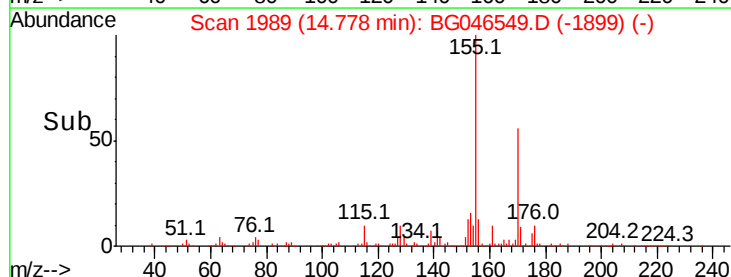
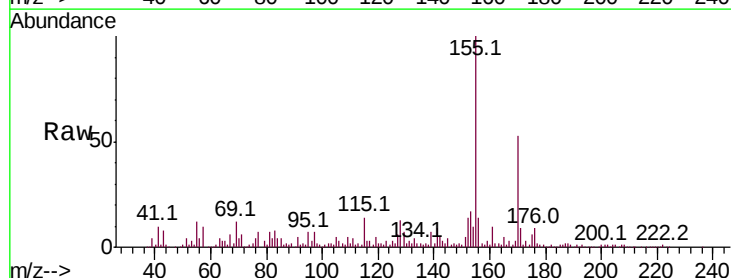
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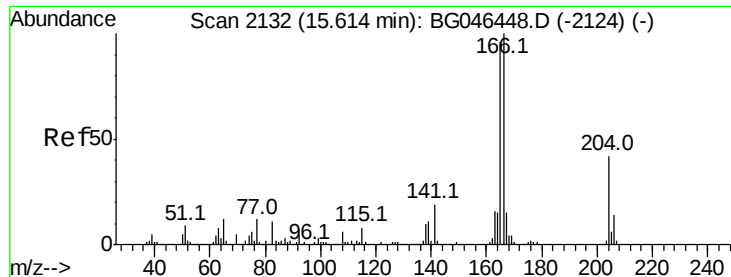
mohammad
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#56
4-Nitrophenol
Concen: 11.033 ng
RT: 14.78 min Scan# 1989
Delta R.T. -0.00 min
Lab File: BG046549.D
Acq: 4 Sep 2020 20:41

Tgt Ion	Ratio	Lower	Upper
139	100		
109	65.2	44.3	84.3
65	39.8	61.5	101.5#





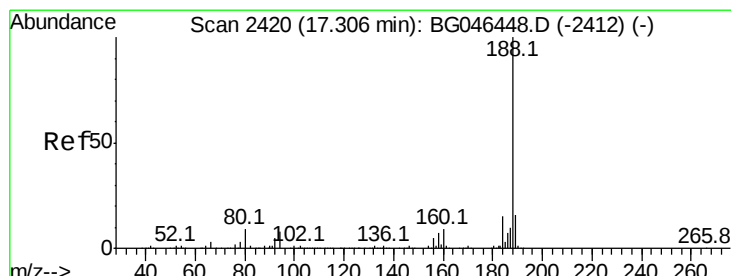
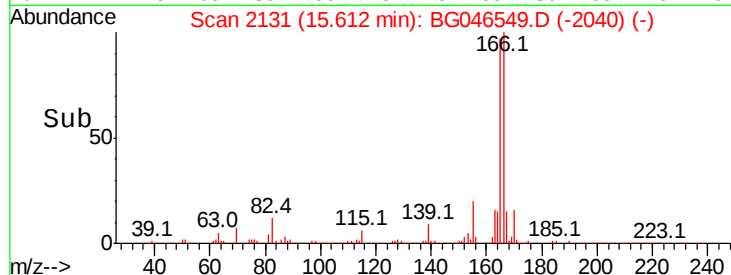
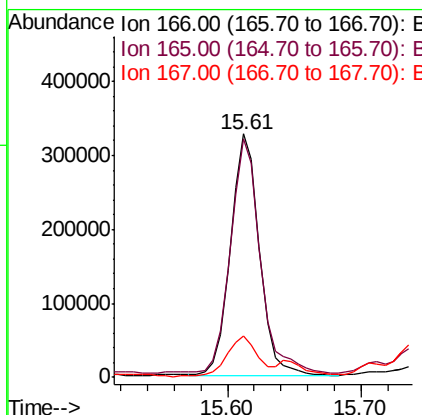
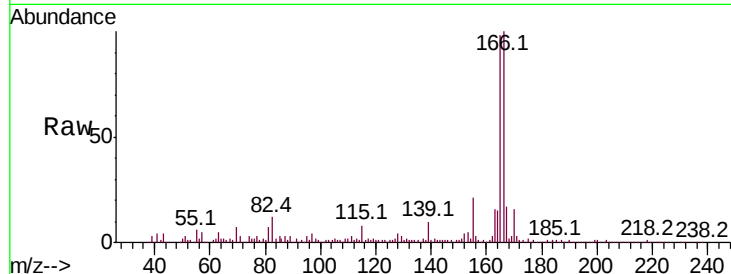
#58
Fluorene
 Concen: 32.845 ng
 RT: 15.61 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: BG046549.D
 Acq: 4 Sep 2020 20:41

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	98.2	77.0	115.4	
167	16.8	11.8	17.6	

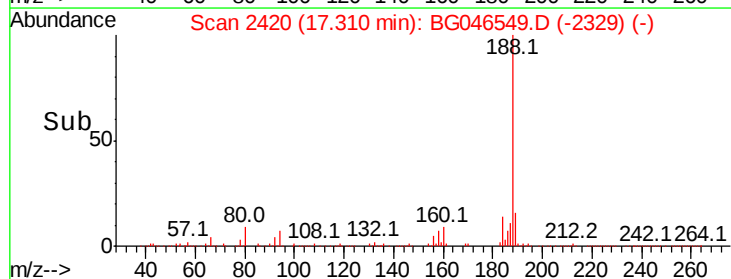
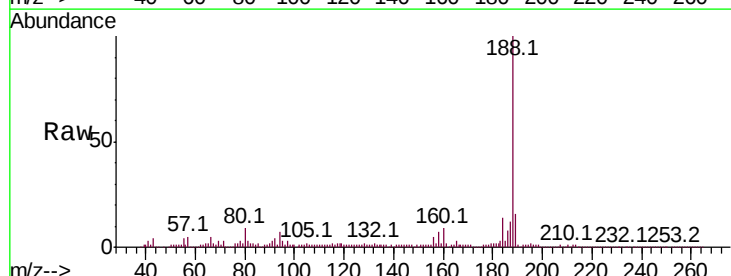
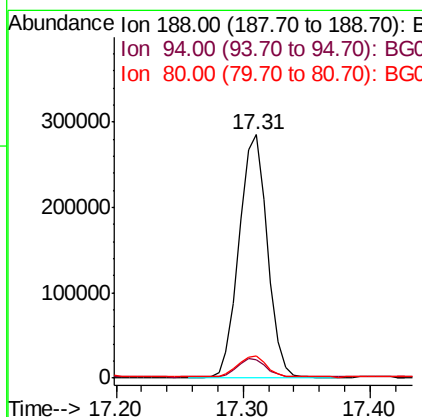
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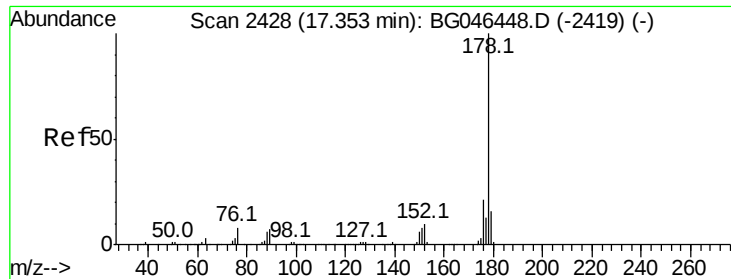
mohammad
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.31 min Scan# 2420
 Delta R.T. 0.00 min
 Lab File: BG046549.D
 Acq: 4 Sep 2020 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	7.4	6.3	9.5	
80	9.3	6.9	10.3	





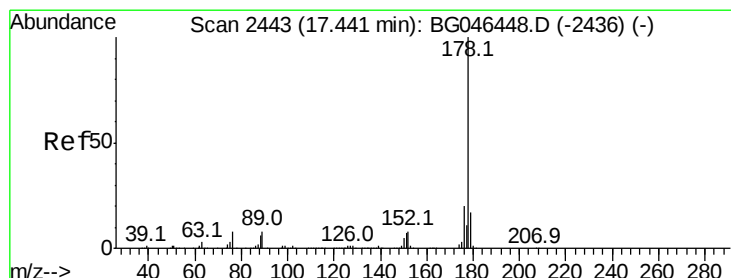
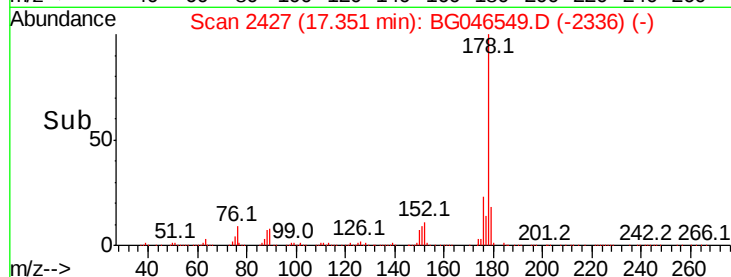
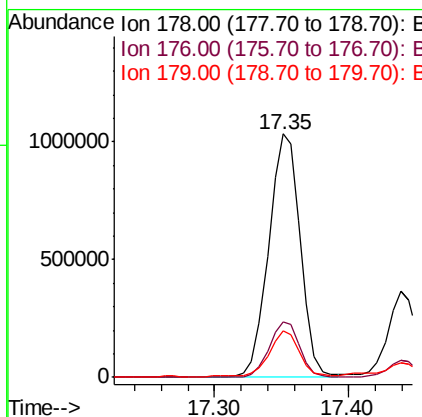
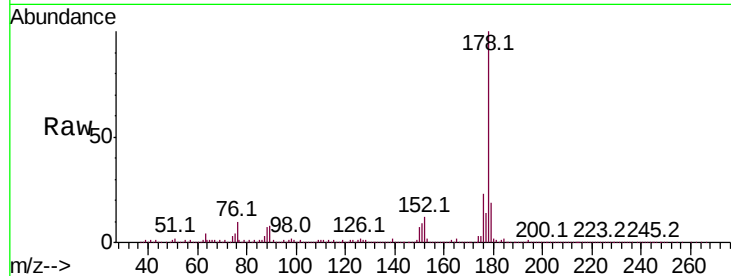
#71
Phenanthrene
Concen: 76.056 ng
RT: 17.35 min Scan# 2427
Delta R.T. 0.00 min
Lab File: BG046549.D
Acq: 4 Sep 2020 20:41

Instrument :
BNA_G
ClientSampled :
TP-4

Tot Ion:178 Resp: 1690720
Ion Ratio Lower Upper
178 100
176 23.0 16.8 25.2
179 19.1 13.2 19.8

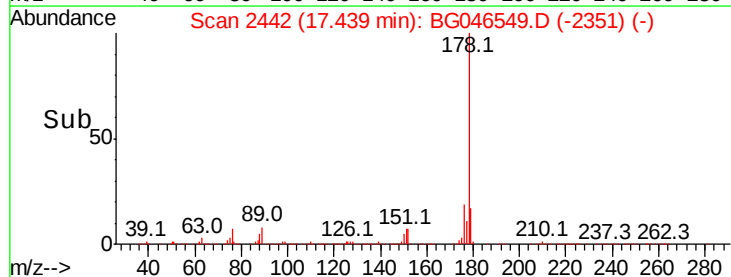
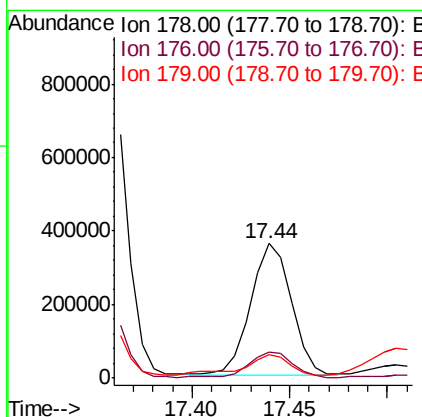
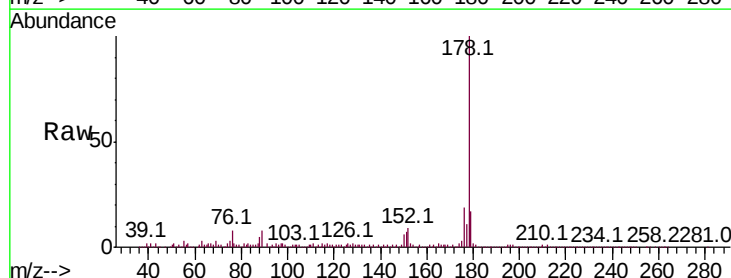
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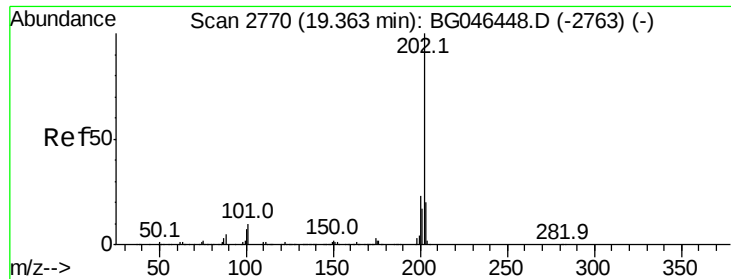
mohammad
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#72
Anthracene
Concen: 23.774 ng
RT: 17.44 min Scan# 2442
Delta R.T. 0.00 min
Lab File: BG046549.D
Acq: 4 Sep 2020 20:41

Tgt Ion:178 Resp: 521421
Ion Ratio Lower Upper
178 100
176 19.5 16.1 24.1
179 17.5 13.3 19.9





#75

Fluoranthene

Concen: 32.237 ng

RT: 19.36 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BG046549.D

Acq: 4 Sep 2020 20:41

Instrument :

BNA_G

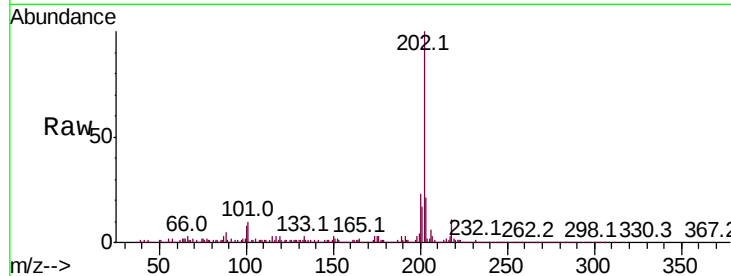
ClientSampleId :

TP-4

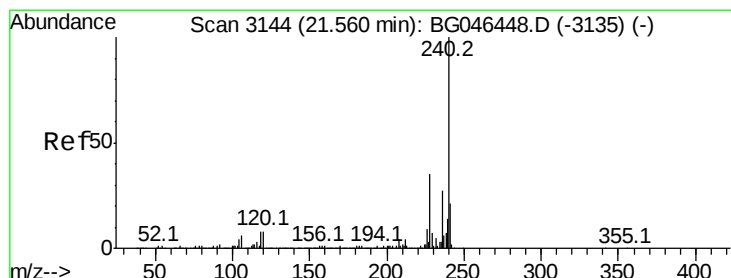
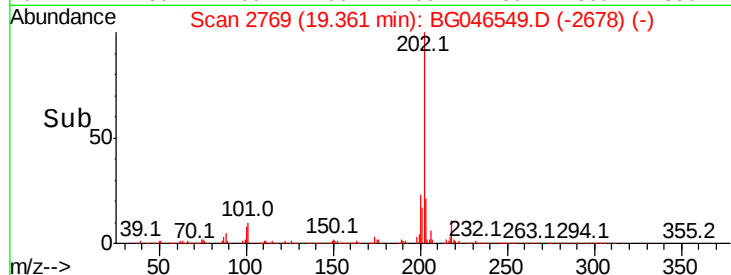
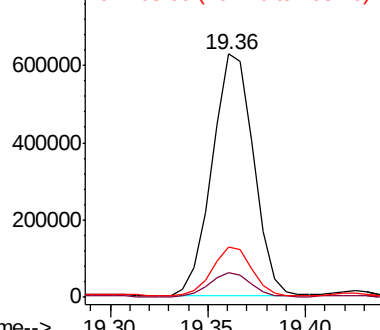
Tot Ion	Ratio	Resp	Lower	Upper
202	100	922222		
101	10.2	0.0	29.9	
203	20.9	0.0	40.0	

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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: 20.000 ng

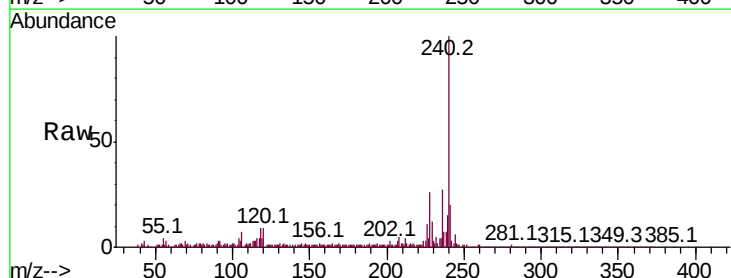
RT: 21.56 min Scan# 3143

Delta R.T. 0.00 min

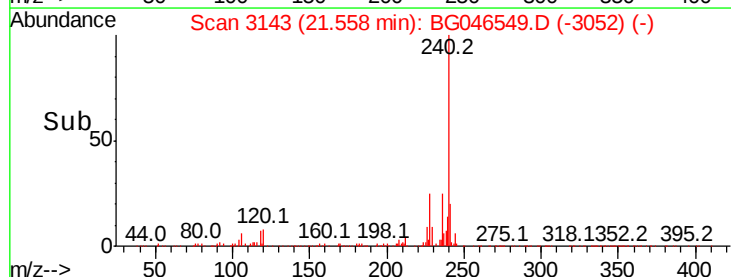
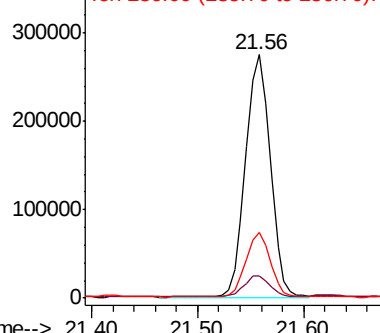
Lab File: BG046549.D

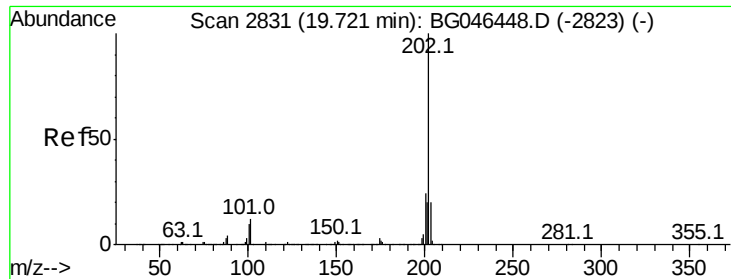
Acq: 4 Sep 2020 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	443990		
120	9.0	6.6	10.0	
236	26.7	21.4	32.2	



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





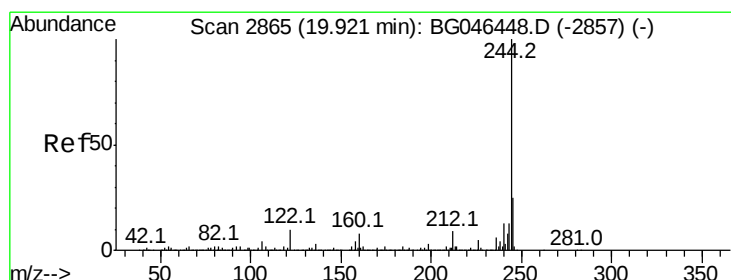
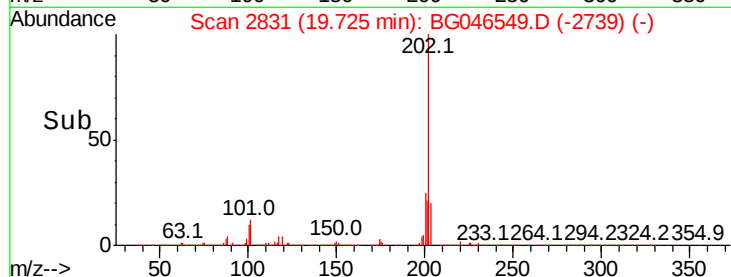
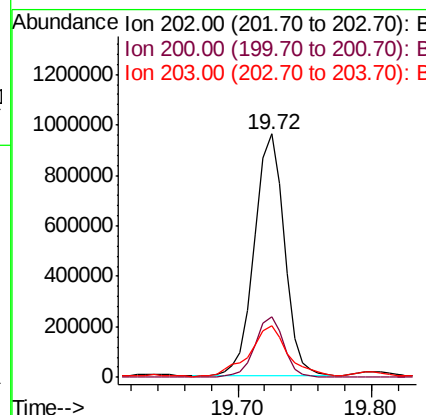
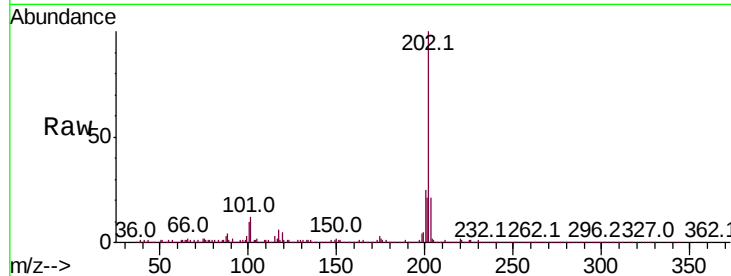
#78
Pvrene
Concen: 52.663 ng
RT: 19.72 min Scan# 2831
Delta R.T. 0.01 min
Lab File: BG046549.D
Acq: 4 Sep 2020 20:41

Instrument :
BNA_G
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
202	100		
200	24.9	18.9	28.3
203	21.5	16.1	24.1

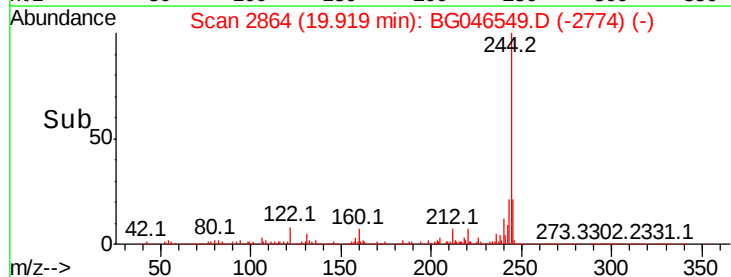
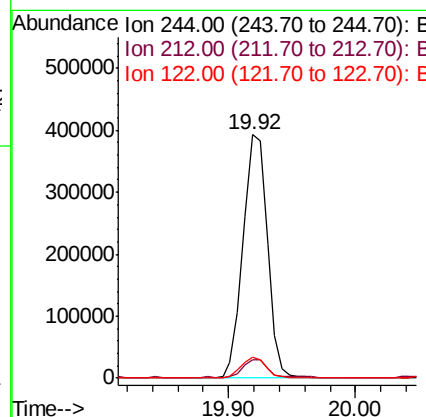
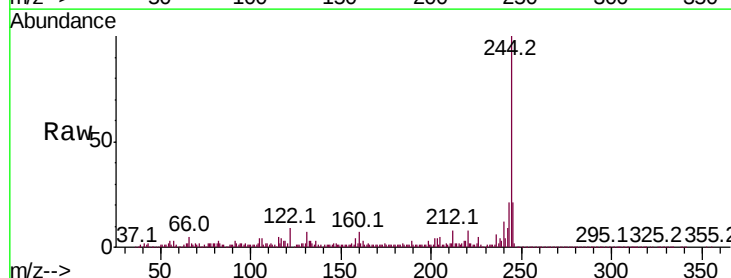
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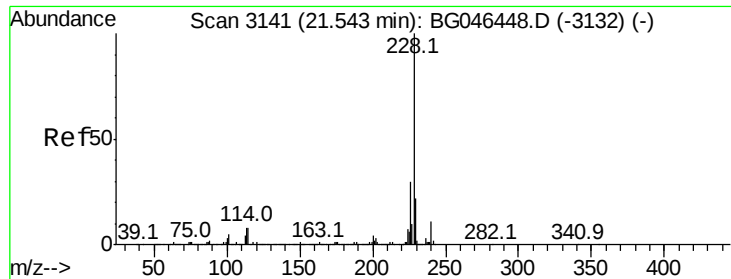
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#79
Terphenyl-d14
Concen: 24.944 ng
RT: 19.92 min Scan# 2864
Delta R.T. -0.00 min
Lab File: BG046549.D
Acq: 4 Sep 2020 20:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.9	10.3
122	8.6	8.2	12.4





#81

Benzo(a)anthracene

Concen: 19.764 ng

RT: 21.54 min Scan# 3140

Delta R.T. 0.00 min

Lab File: BG046549.D

Acq: 4 Sep 2020 20:41

Instrument :

BNA_G

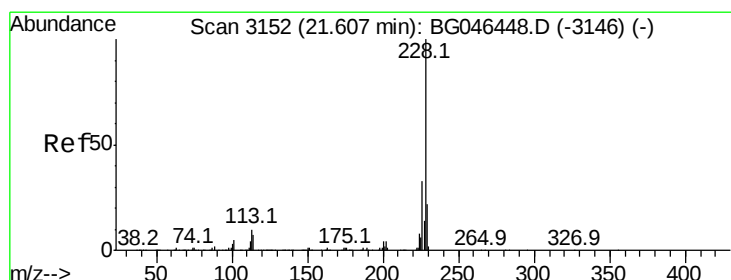
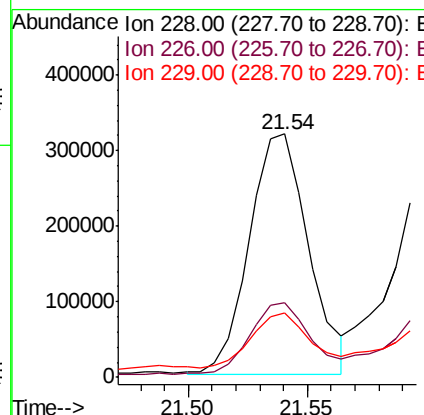
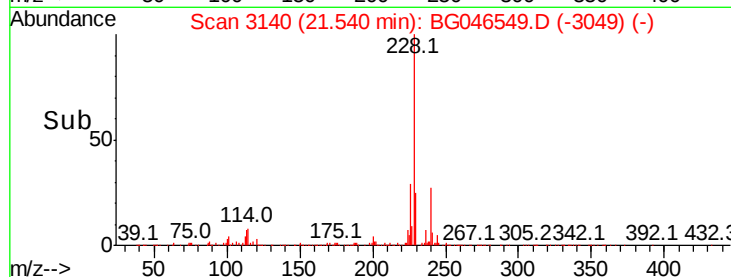
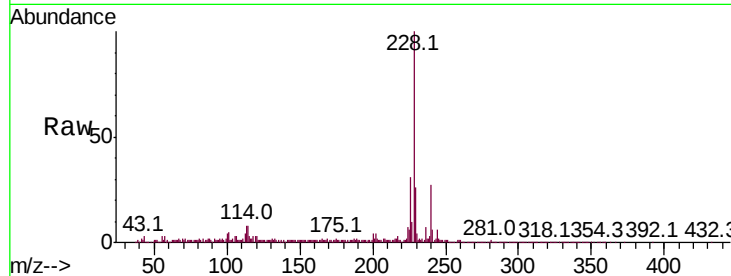
ClientSampleId :

TP-4

Tot Ion:	228	Resp:	546942
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.2	36.4
229	26.4	17.4	26.2

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#83

Chrysene

Concen: 20.872 ng

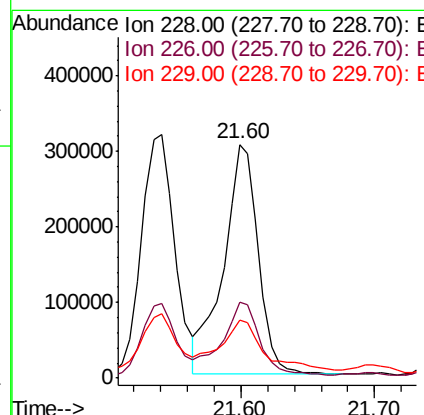
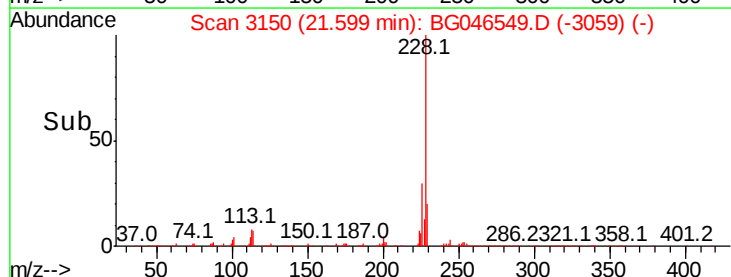
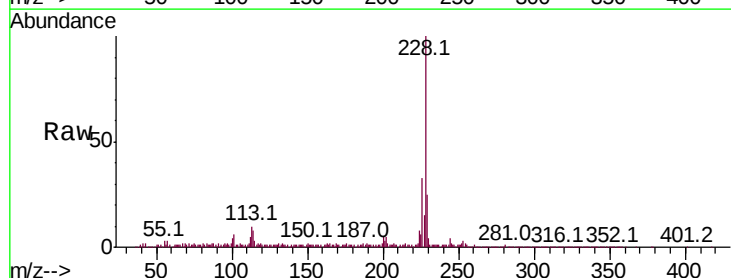
RT: 21.60 min Scan# 3150

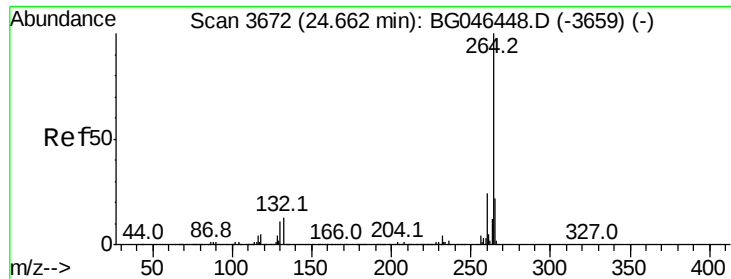
Delta R.T. 0.00 min

Lab File: BG046549.D

Acq: 4 Sep 2020 20:41

Tgt Ion:	228	Resp:	555605
Ion Ratio	Lower	Upper	
228	100		
226	32.6	26.2	39.4
229	24.7	17.9	26.9





#86

Pervlene-d12

Concen: 20.000 ng

RT: 24.67 min Scan# 3672

Delta R.T. 0.01 min

Lab File: BG046549.D

Acq: 4 Sep 2020 20:41

Instrument :

BNA_G

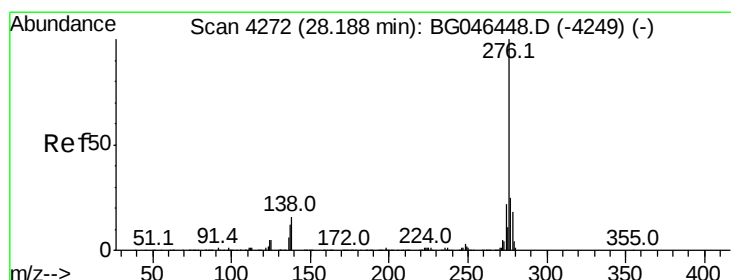
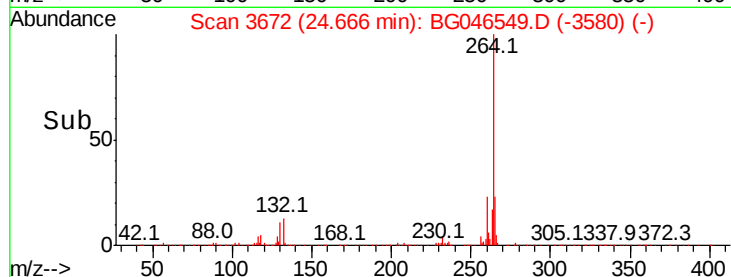
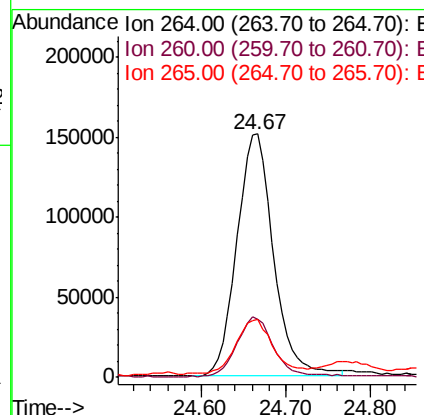
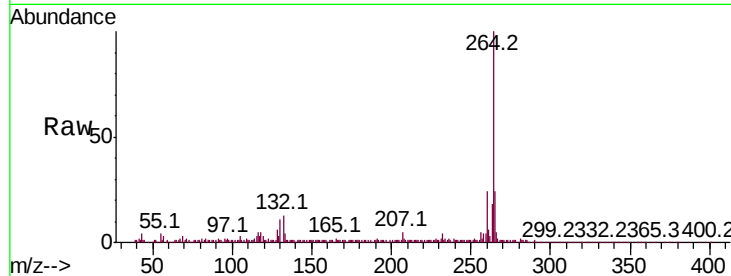
ClientSampleId :

TP-4

Tot Ion:	264	Resp:	455110
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.2	28.8
265	23.7	17.9	26.9

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#87

Indeno(1,2,3-cd)pyrene

Concen: 4.439 ng

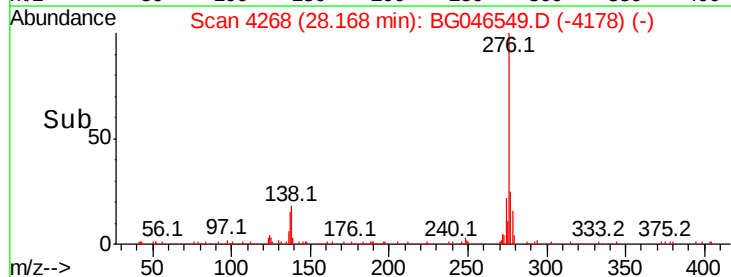
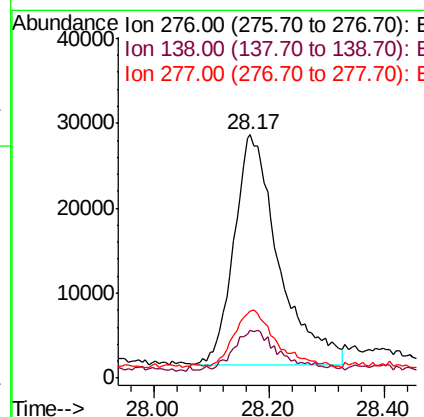
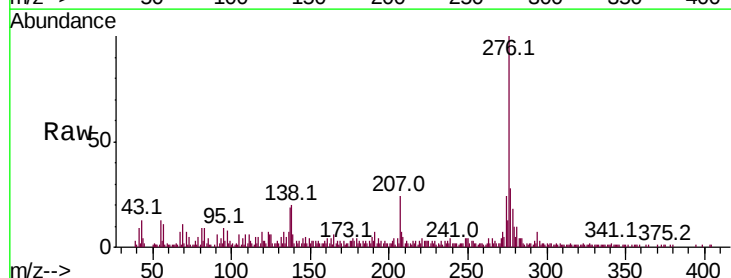
RT: 28.17 min Scan# 4268

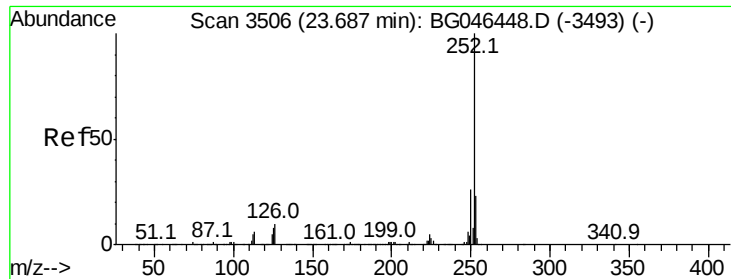
Delta R.T. -0.00 min

Lab File: BG046549.D

Acq: 4 Sep 2020 20:41

Tgt Ion:	276	Resp:	145106
Ion Ratio	Lower	Upper	
276	100		
138	16.1	16.5	24.7#
277	23.7	20.7	31.1





#88

Benzo(b)fluoranthene

Concen: 12.686 ng

RT: 23.68 min Scan# 3505

Delta R.T. 0.01 min

Lab File: BG046549.D

Acq: 4 Sep 2020 20:41

Instrument :

BNA_G

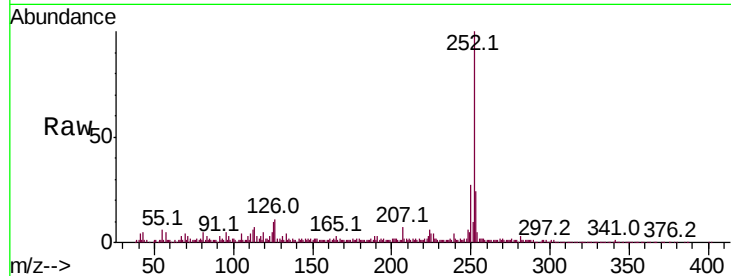
ClientSampled :

TP-4

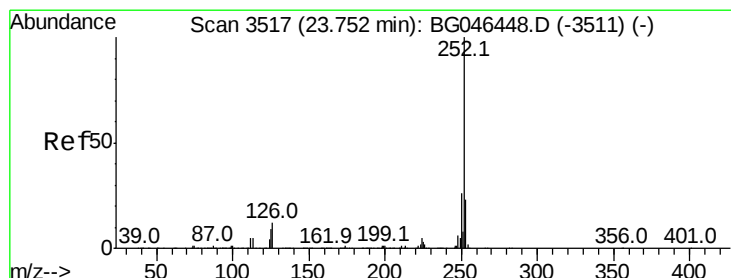
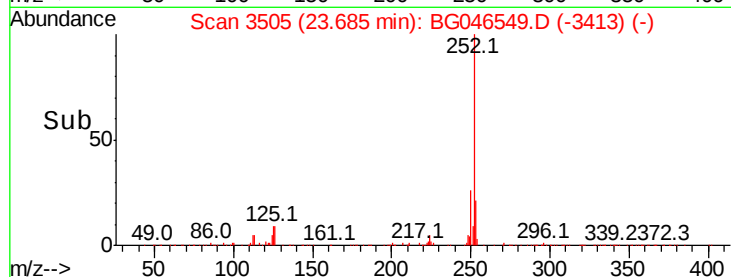
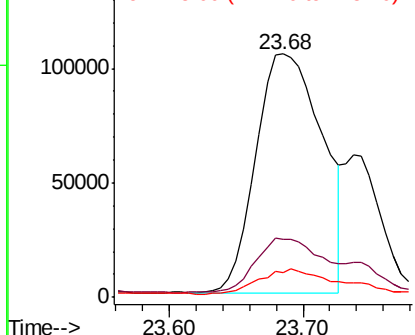
Tot Ion:	252	Resp:	360497
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.2	27.4
125	10.4	6.2	9.2#

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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: 4.098 ng m

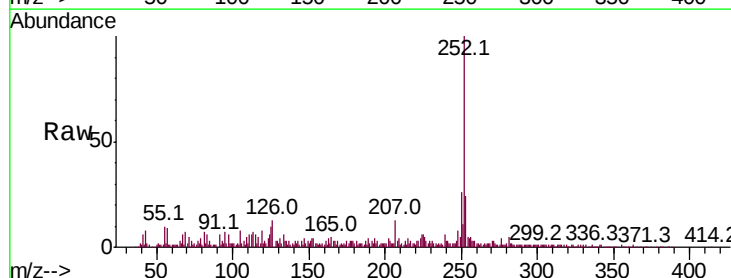
RT: 23.74 min Scan# 3514

Delta R.T. -0.01 min

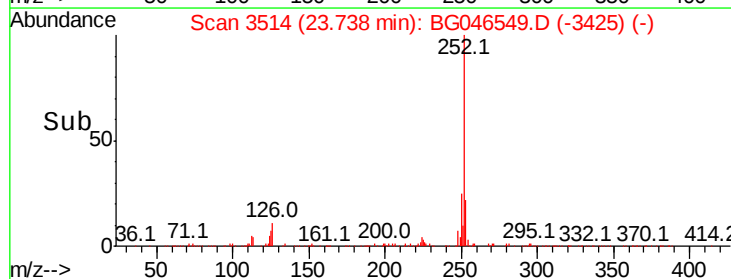
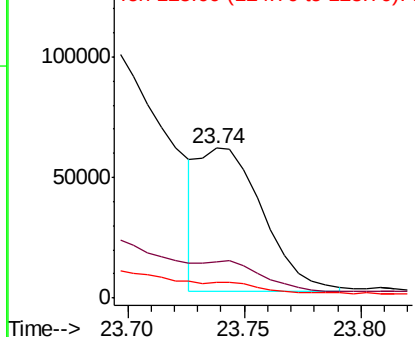
Lab File: BG046549.D

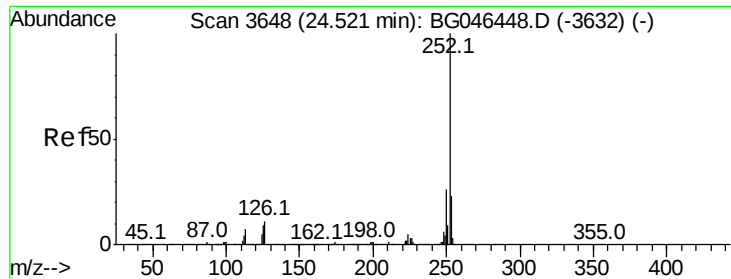
Acq: 4 Sep 2020 20:41

Tgt Ion:	252	Resp:	112536
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.5	27.7
125	10.3	6.8	10.2#



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





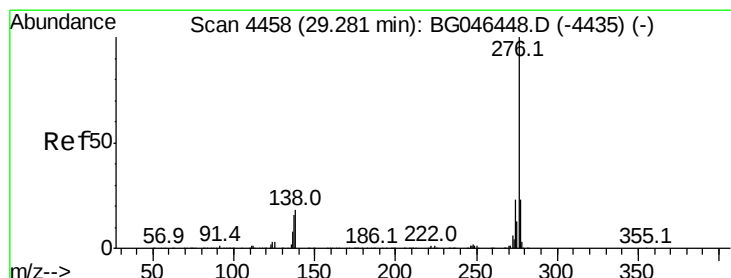
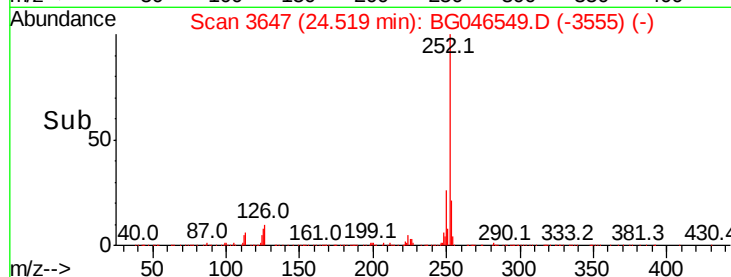
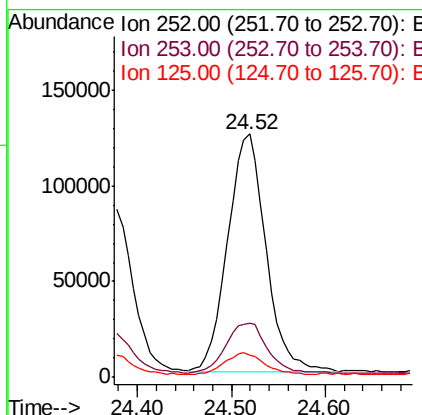
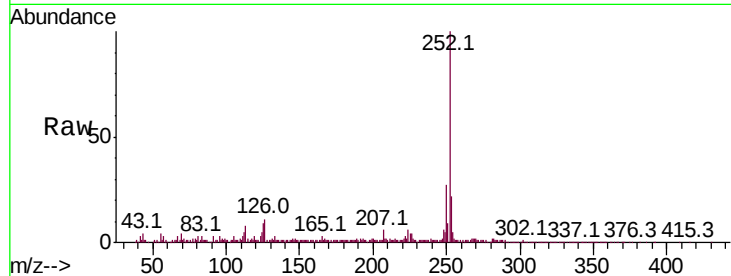
#90
Benzo(a)pyrene
Concen: 13.227 ng
RT: 24.52 min Scan# 3647
Delta R.T. 0.01 min
Lab File: BG046549.D
Acq: 4 Sep 2020 20:41

Instrument :
BNA_G
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.4
125	9.3	7.4	11.0

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#92
Benzo(g,h,i)perylene
Concen: 5.840 ng
RT: 29.26 min Scan# 4454
Delta R.T. -0.01 min
Lab File: BG046549.D
Acq: 4 Sep 2020 20:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.7	28.1
138	19.7	14.7	22.1

