

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021820\
 Data File : BG044474.D
 Acq On : 18 Feb 2020 16:02
 Operator : CG/JU
 Sample : L1545-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 43ST-A

Manual Integrations
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 2/20/2020 8:57:26 AM

Quant Time: Feb 18 16:46:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 18 14:58:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	75079	20.00	ng	0.00
21) Naphthalene-d8	10.69	136	317019	20.00	ng	0.00
39) Acenaphthene-d10	14.53	164	211964	20.00	ng	0.00
64) Phenanthrene-d10	17.28	188	435390	20.00	ng	0.00
76) Chrysene-d12	21.52	240	399203	20.00	ng	0.00
87) Perylene-d12	24.61	264	437429	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	439172	103.23	ng	0.00
7) Phenol-d6	7.07	99	626600	109.69	ng	0.00
23) Nitrobenzene-d5	9.05	82	372833	66.40	ng	0.00
42) 2,4,6-Tribromophenol	16.02	330	159810	64.22	ng	0.00
45) 2-Fluorobiphenyl	13.15	172	856366	67.65	ng	0.00
79) Terphenyl-d14	19.89	244	1200768	61.87	ng	0.00
Target Compounds						
50) Dimethylphthalate	13.98	163	37952	2.491	ng	98
71) Phenanthrene	17.32	178	132679	6.293	ng	97
75) Fluoranthene	19.33	202	331874	13.607	ng	98
78) Pyrene	19.69	202	303790	11.850	ng	95
81) Benzo(a)anthracene	21.50	228	170452	6.928	ng	95
83) Chrysene	21.57	228	157358	6.617	ng	97
84) Bis(2-ethylhexyl)phthalate	21.43	149	52556	3.268	ng	# 98
86) Indeno(1,2,3-cd)pyrene	28.11	276	79808	2.572	ng	# 81
88) Benzo(b)fluoranthene	23.64	252	200290	7.946	ng	# 93
89) Benzo(k)fluoranthene	23.69	252	79262m	3.226	ng	
90) Benzo(a)pyrene	24.46	252	145420	6.102	ng	# 91
92) Benzo(a,h,i)perylene	29.21	276	79430	3.364	ng	# 91

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

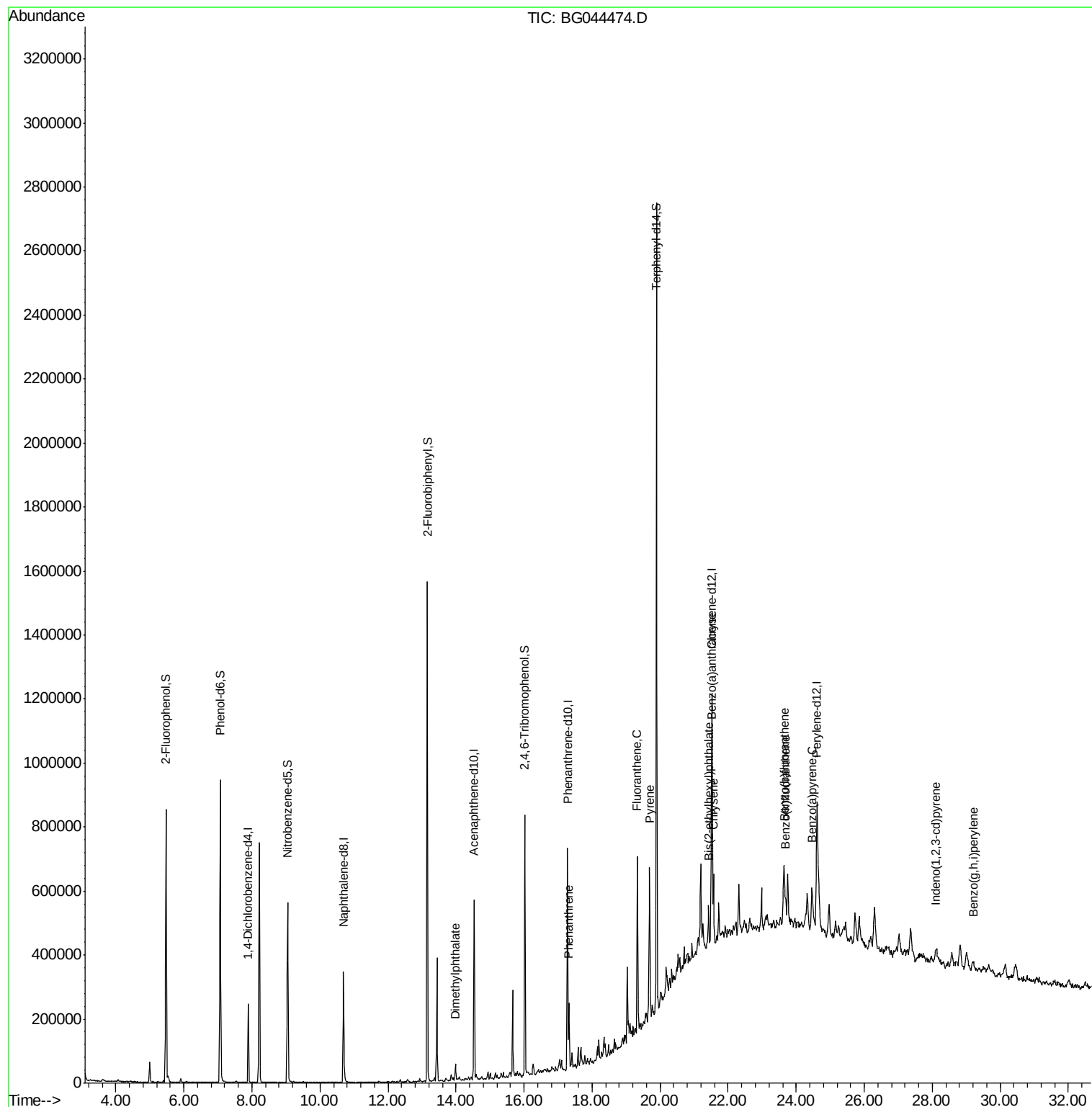
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021820\
Data File : BG044474.D
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Operator : CG/JU
Sample : L1545-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

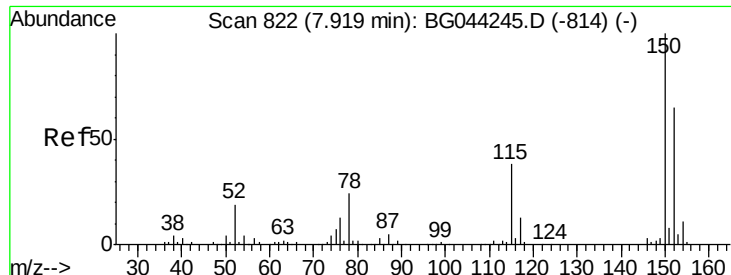
Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

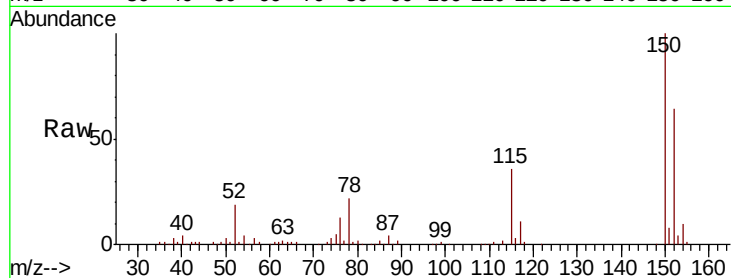
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.89 min Scan# 817
Delta R.T. -0.00 min
Lab File: BG044474.D
Acq: 18 Feb 2020 16:02

Instrument :
BNA_G
ClientSampleId :
43ST-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	122.6	183.8
115	55.8	46.0	69.0

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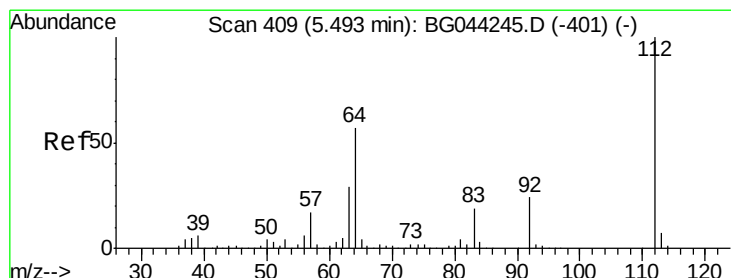
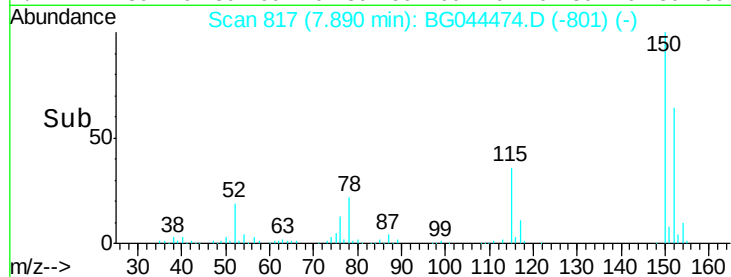
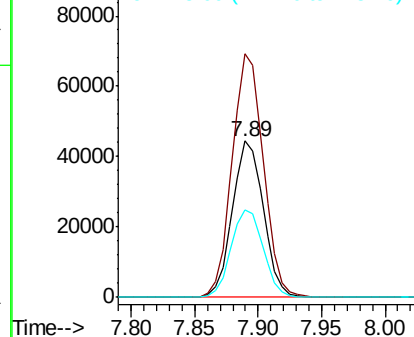


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

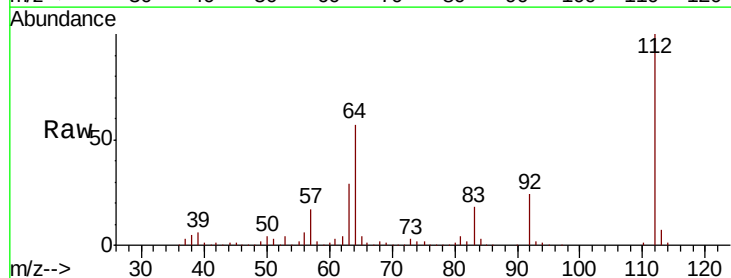
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 103.234 ng
RT: 5.47 min Scan# 405
Delta R.T. 0.00 min
Lab File: BG044474.D
Acq: 18 Feb 2020 16:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	45.4	68.2
63	28.6	22.9	34.3

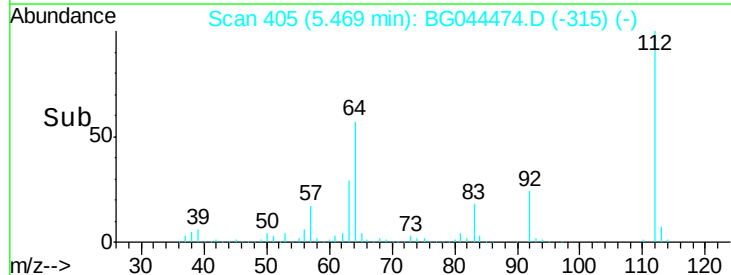
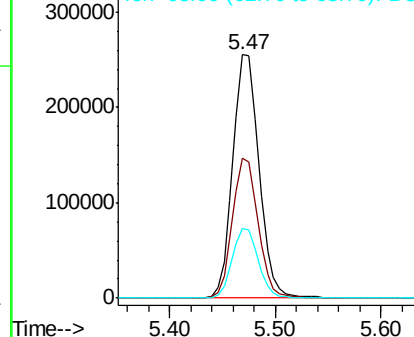


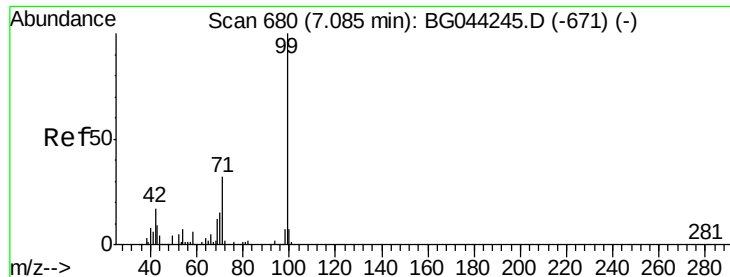
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 109.686 ng

RT: 7.07 min Scan# 677

Delta R.T. 0.00 min

Lab File: BG044474.D

Acq: 18 Feb 2020 16:02

Instrument :

BNA_G

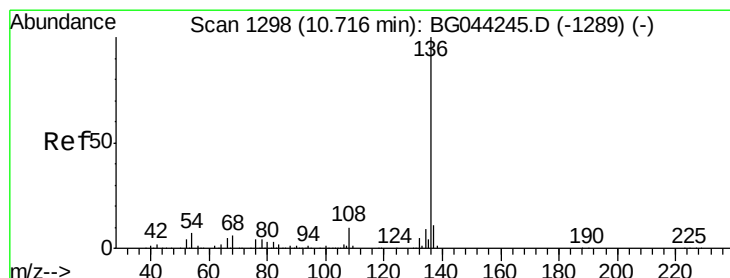
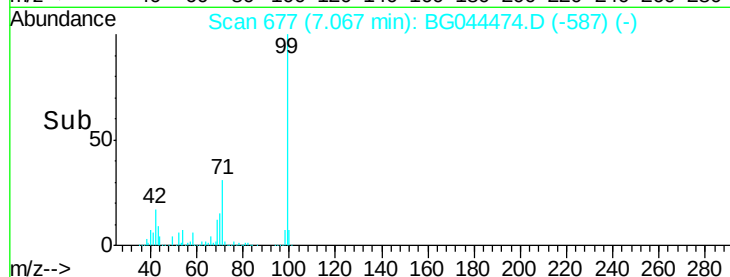
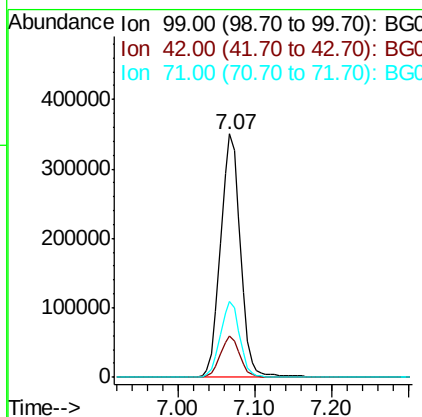
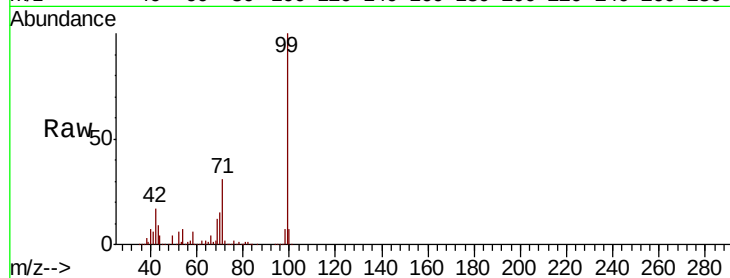
ClientSampleId :

43ST-A

Tot Ion:	99	Resp:	626600
Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.8	20.6
71	31.0	25.5	38.3

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#21

Naphthalene-d8

Concen: 20.000 ng

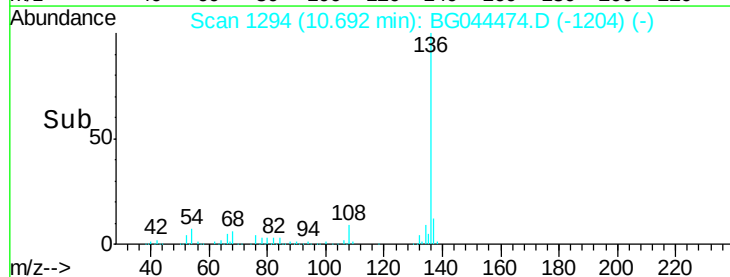
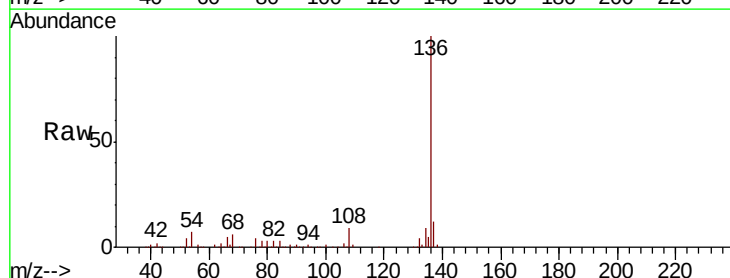
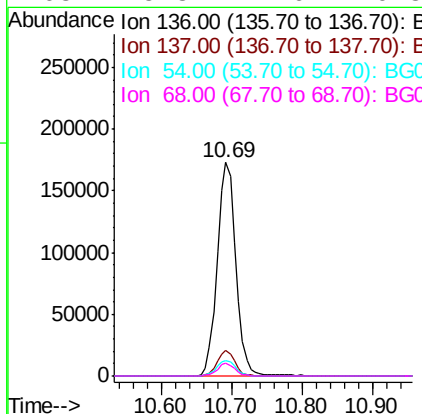
RT: 10.69 min Scan# 1294

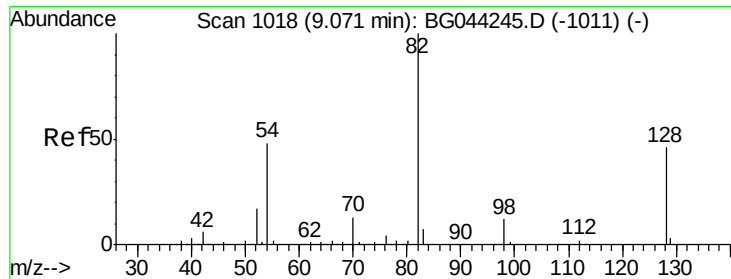
Delta R.T. 0.00 min

Lab File: BG044474.D

Acq: 18 Feb 2020 16:02

Tgt Ion:	136	Resp:	317019
Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.8	13.2
54	7.4	5.8	8.8
68	5.8	4.6	6.8





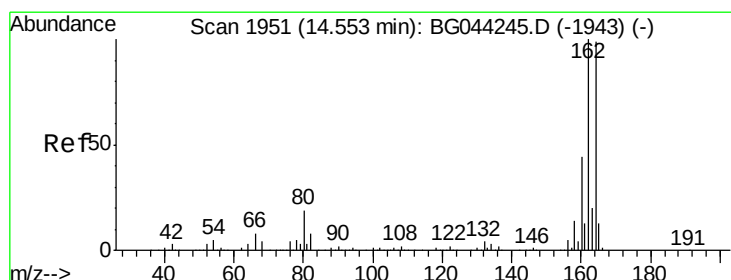
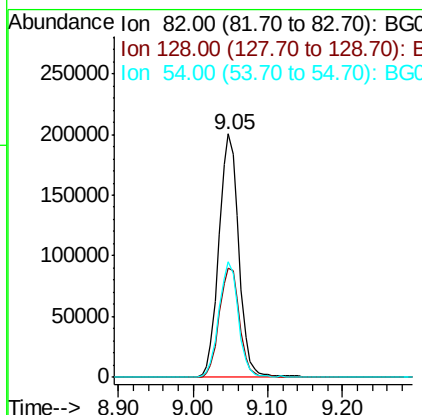
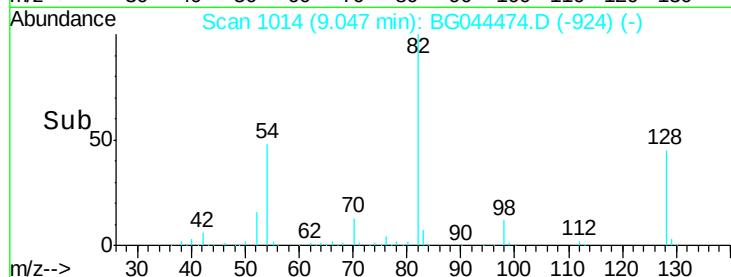
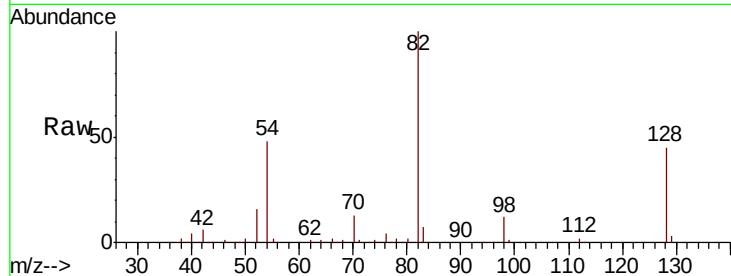
#23
Nitrobenzene-d5
Concen: 66.396 ng
RT: 9.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BG044474.D
Acq: 18 Feb 2020 16:02

Instrument :
BNA_G
ClientSampled :
43ST-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.5	54.7
54	47.6	38.6	58.0

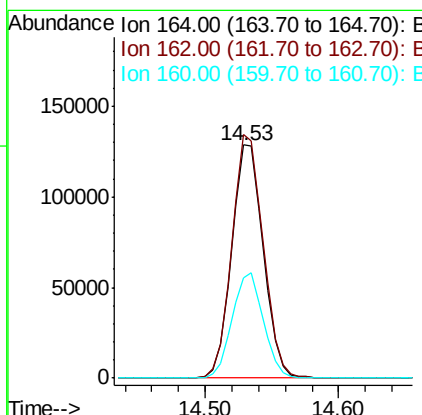
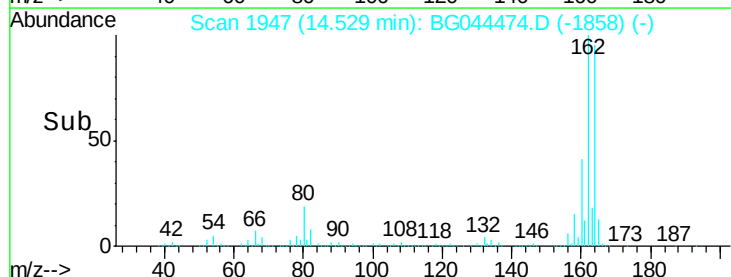
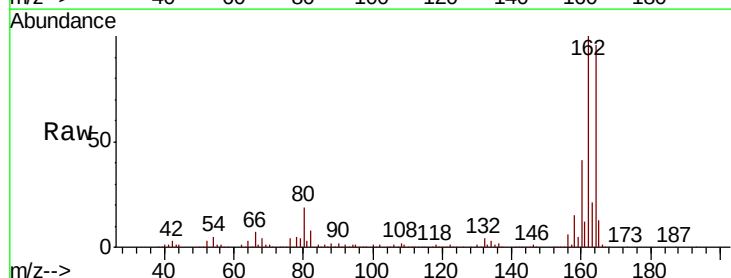
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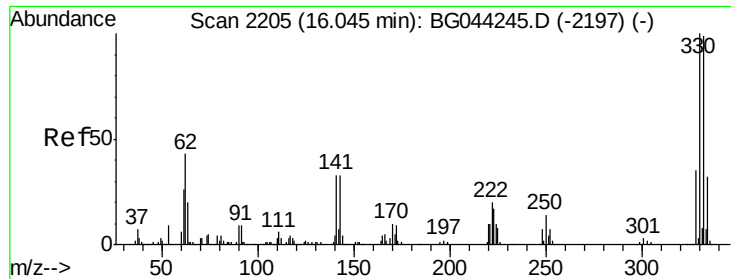
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.53 min Scan# 1947
Delta R.T. -0.00 min
Lab File: BG044474.D
Acq: 18 Feb 2020 16:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	80.7	121.1
160	43.2	35.3	52.9





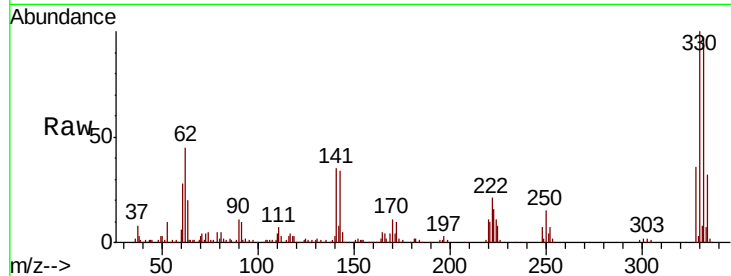
#42
 2,4,6-Tribromophenol
 Concen: 64.224 ng
 RT: 16.02 min Scan# 2201
 Delta R.T. 0.00 min
 Lab File: BG044474.D
 Acq: 18 Feb 2020 16:02

Instrument :
 BNA_G
 ClientSampleId :
 43ST-A

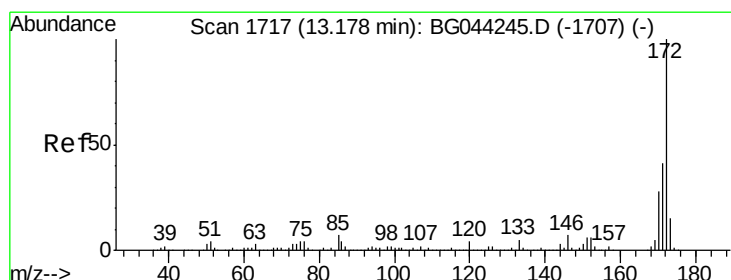
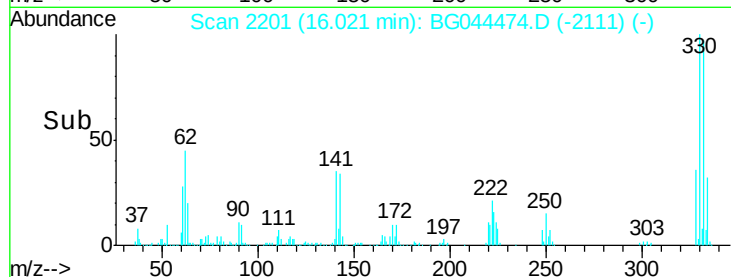
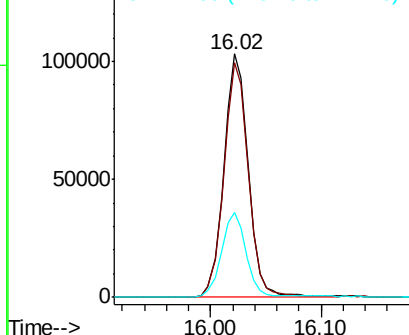
Tot Ion:	330	Resp:	159810
Ion Ratio		Lower	Upper
330	100		
332	97.4	77.2	115.8
141	34.8	28.3	42.5

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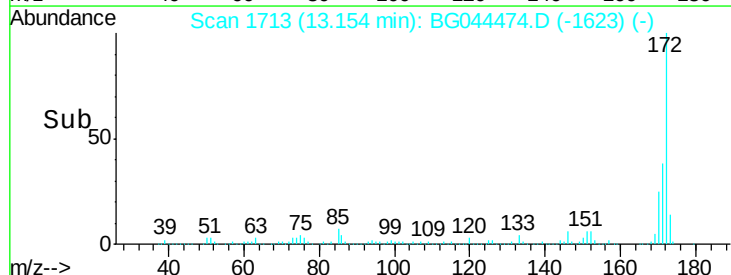
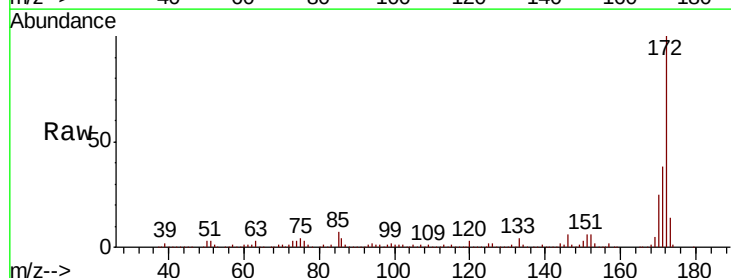
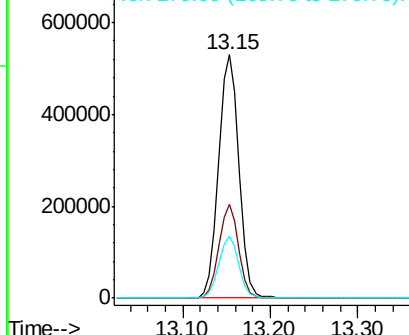
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

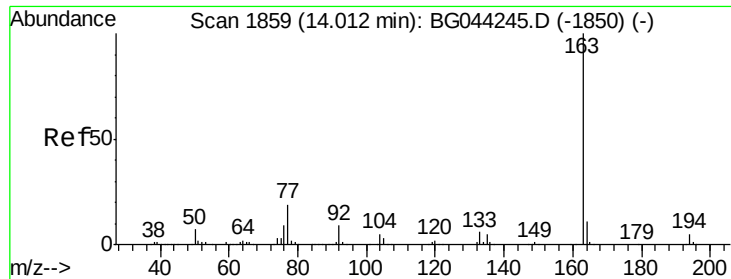


#45
 2-Fluorobiphenyl
 Concen: 67.654 ng
 RT: 13.15 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: BG044474.D
 Acq: 18 Feb 2020 16:02

Tgt Ion:	172	Resp:	856366
Ion Ratio		Lower	Upper
172	100		
171	38.3	32.9	49.3
170	25.3	22.0	33.0

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





#50

Dimethylphthalate

Concen: 2.491 ng

RT: 13.98 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BG044474.D

Acq: 18 Feb 2020 16:02

Instrument :

BNA_G

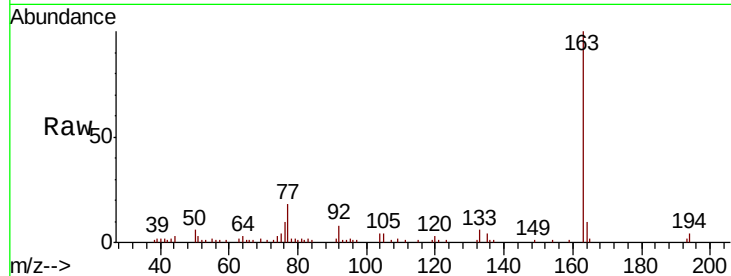
ClientSampleId :

43ST-A

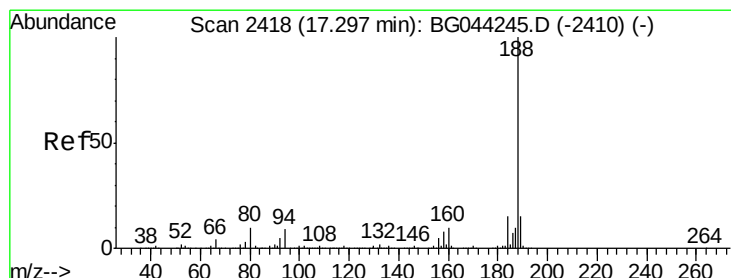
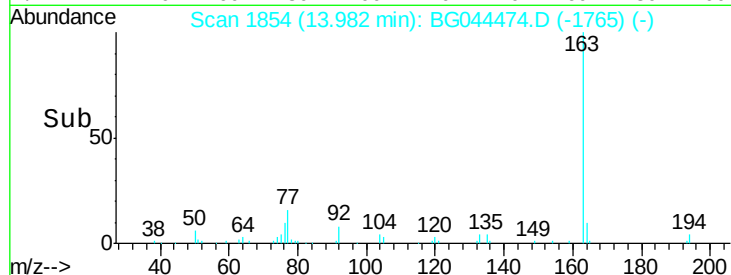
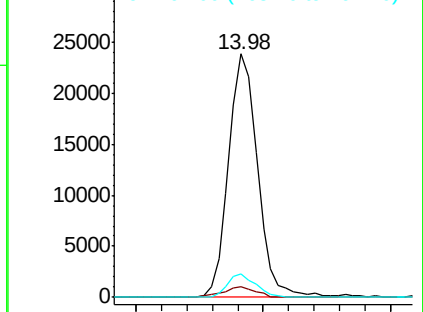
Tot Ion:	163	Resp:	37952
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.6	5.4
164	9.7	8.7	13.1

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



#64

Phenanthrene-d10

Concen: 20.000 ng

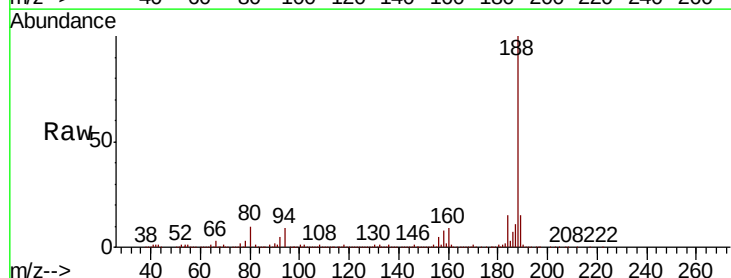
RT: 17.28 min Scan# 2415

Delta R.T. 0.00 min

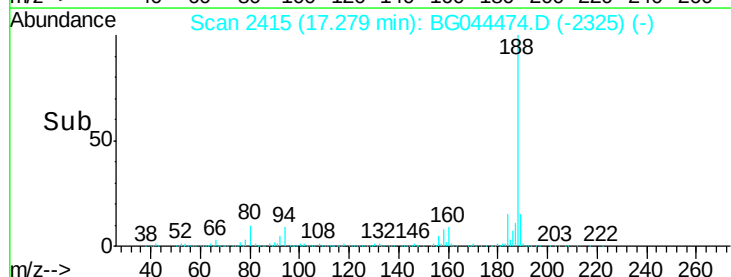
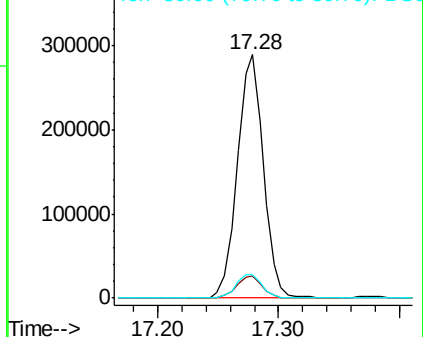
Lab File: BG044474.D

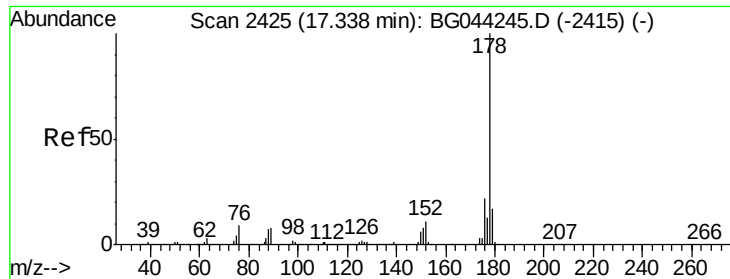
Acq: 18 Feb 2020 16:02

Tgt Ion:	188	Resp:	435390
Ion Ratio	Lower	Upper	
188	100		
94	8.9	7.4	11.2
80	9.7	7.7	11.5



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG





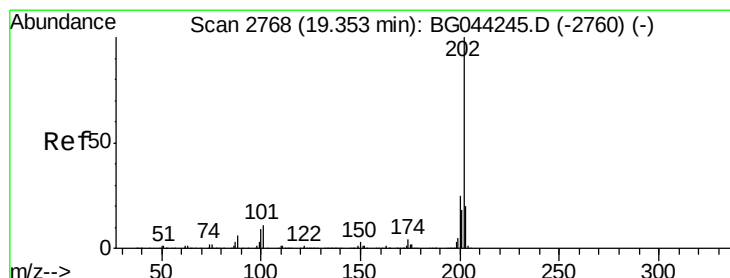
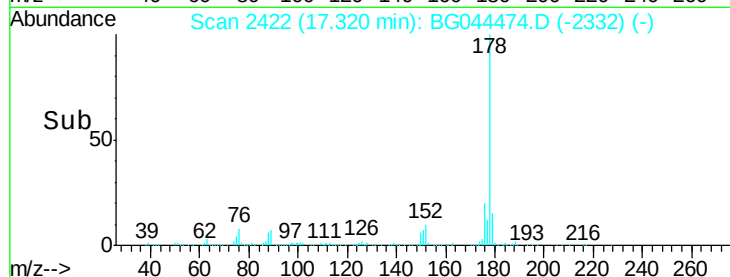
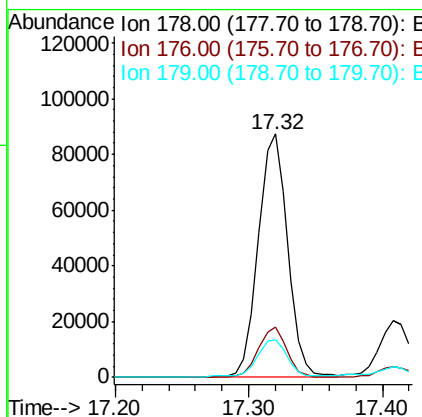
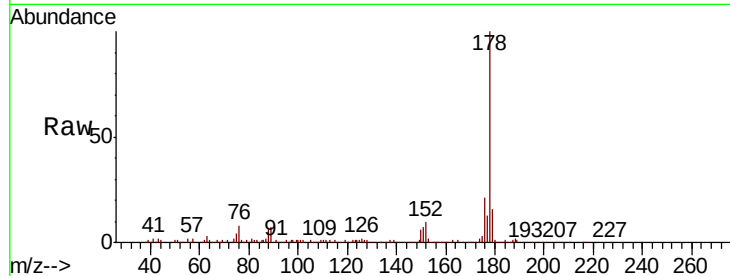
#71
Phenanthrene
Concen: 6.293 ng
RT: 17.32 min Scan# 2422
Delta R.T. 0.00 min
Lab File: BG044474.D
Acq: 18 Feb 2020 16:02

Instrument :
BNA_G
ClientSampleId :
43ST-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	17.7	26.5
179	15.6	13.7	20.5

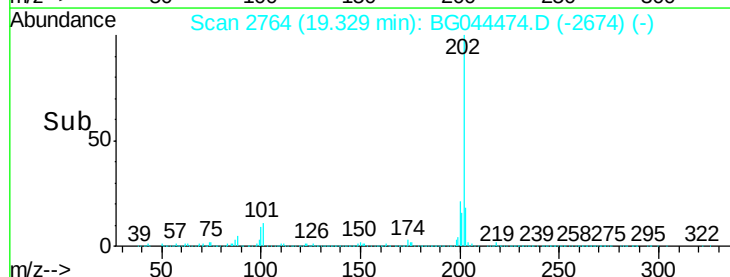
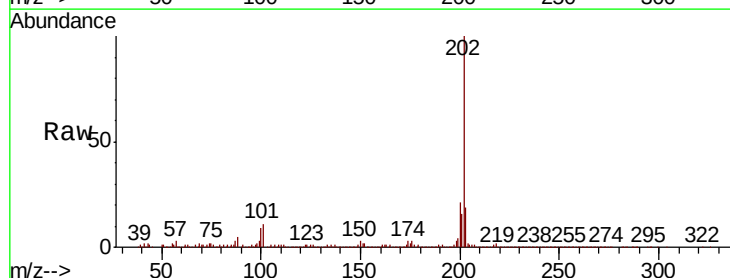
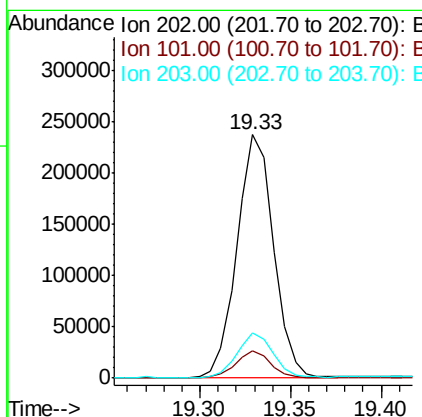
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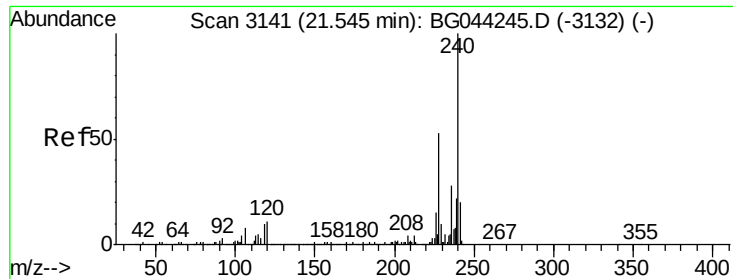
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#75
Fluoranthene
Concen: 13.607 ng
RT: 19.33 min Scan# 2764
Delta R.T. 0.00 min
Lab File: BG044474.D
Acq: 18 Feb 2020 16:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.3
203	18.6	0.0	39.9





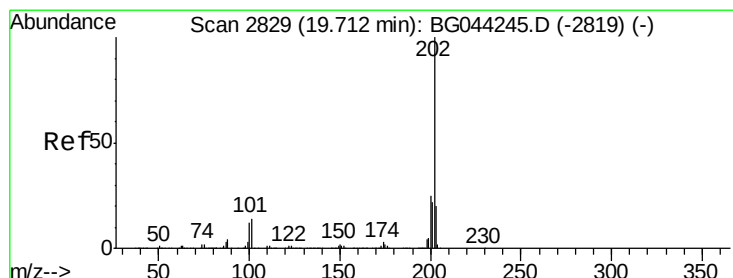
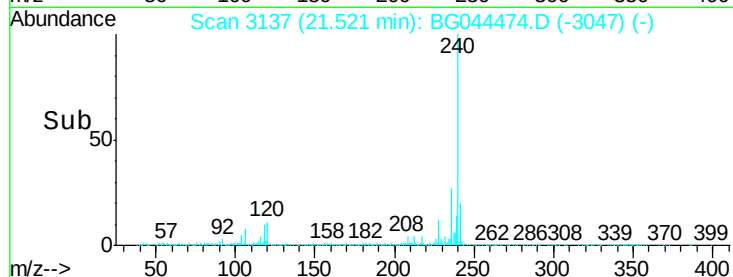
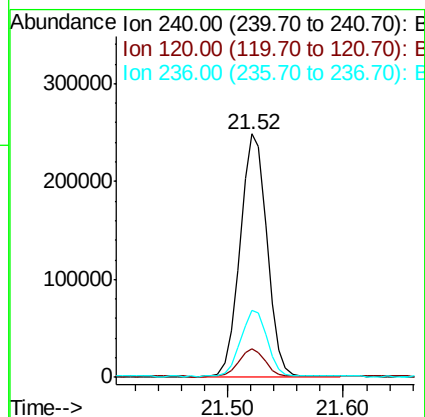
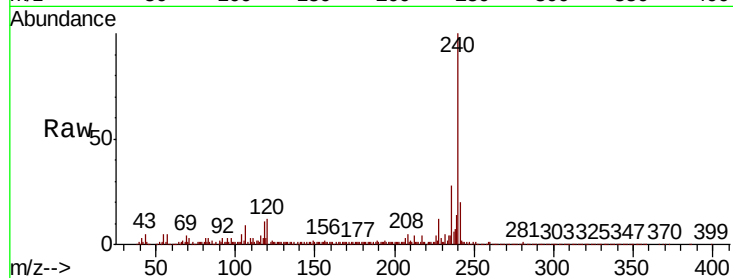
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.52 min Scan# 3137
Delta R.T. 0.00 min
Lab File: BG044474.D
Acq: 18 Feb 2020 16:02

Instrument :
BNA_G
ClientSampleId :
43ST-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.4	12.6
236	27.7	22.1	33.1

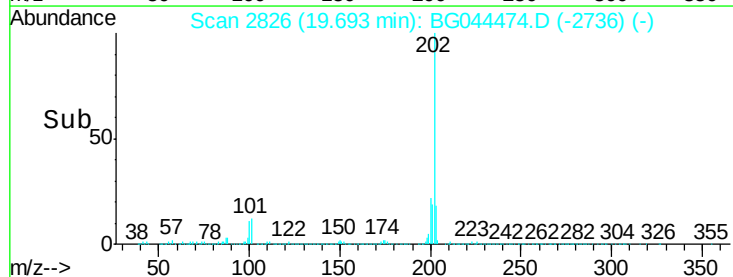
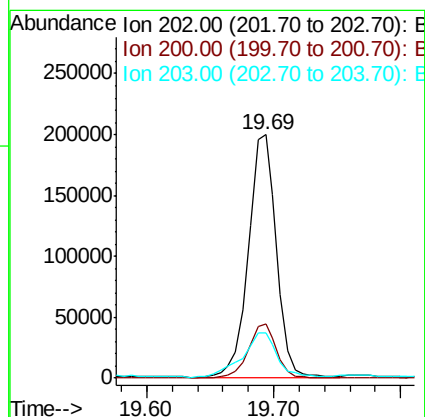
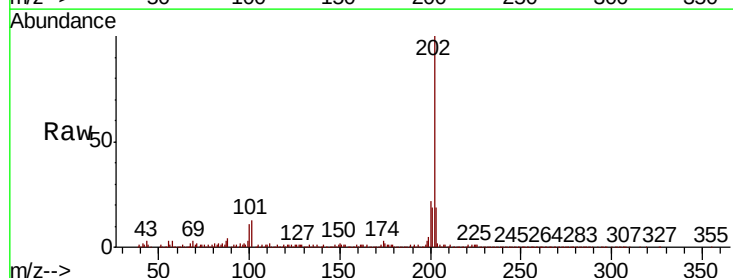
Manual Integrations
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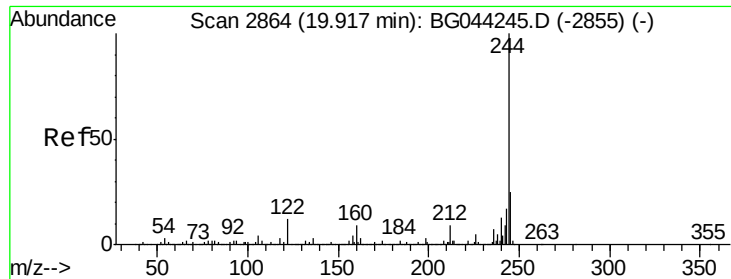
mohammad
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#78
Pyrene
Concen: 11.850 ng
RT: 19.69 min Scan# 2826
Delta R.T. 0.00 min
Lab File: BG044474.D
Acq: 18 Feb 2020 16:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.3	20.0	30.0
203	18.7	16.2	24.2





#79

Terphenyl-d14

Concen: 61.869 ng

RT: 19.89 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BG044474.D

Acq: 18 Feb 2020 16:02

Instrument :

BNA_G

ClientSampled :

43ST-A

Tot Ion:244 Resp: 1200768

Ion Ratio Lower Upper

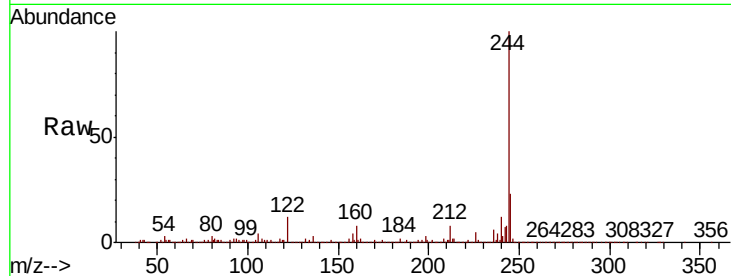
244 100

212 8.3 7.4 11.2

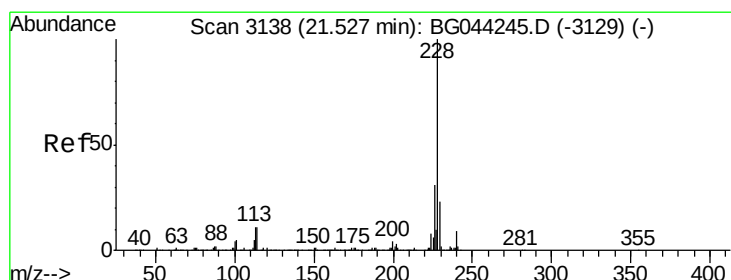
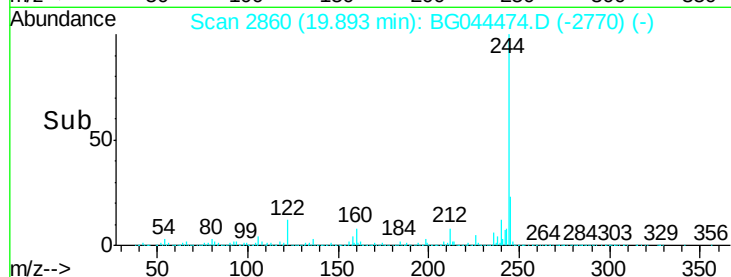
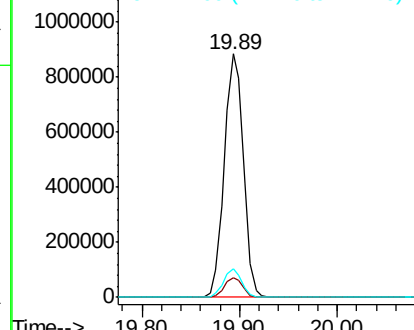
122 11.7 9.8 14.6

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Abundance Ion 244.00 (243.70 to 244.70): E
1200000
Ion 212.00 (211.70 to 212.70): E
1000000
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 6.928 ng

RT: 21.50 min Scan# 3134

Delta R.T. 0.00 min

Lab File: BG044474.D

Acq: 18 Feb 2020 16:02

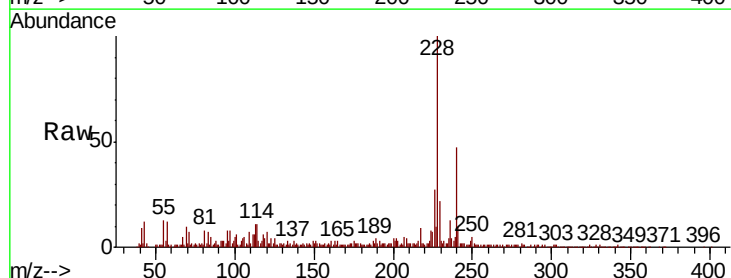
Tgt Ion:228 Resp: 170452

Ion Ratio Lower Upper

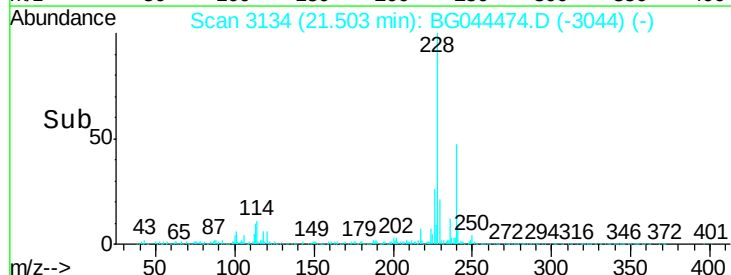
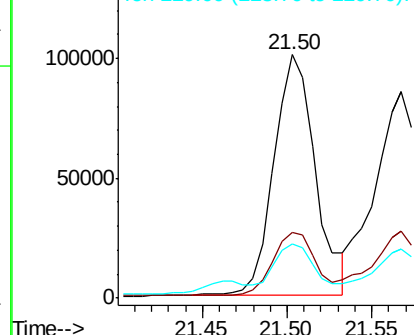
228 100

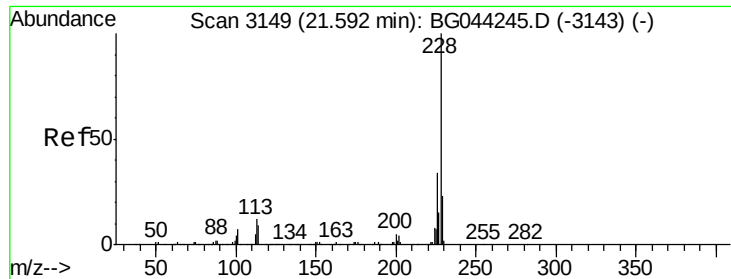
226 27.1 24.7 37.1

229 22.2 18.2 27.4



Abundance Ion 228.00 (227.70 to 228.70): E
100000
Ion 226.00 (225.70 to 226.70): E
50000
Ion 229.00 (228.70 to 229.70): E





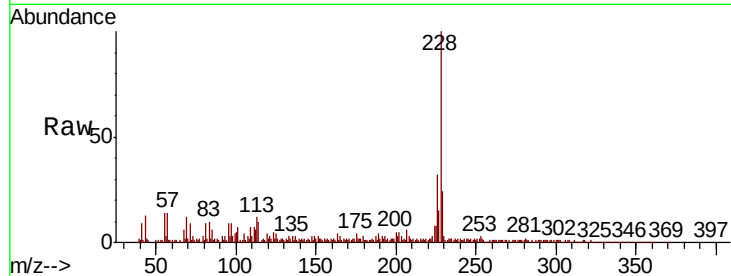
#83
Chrysene
Concen: 6.617 ng
RT: 21.57 min Scan# 3145
Delta R.T. 0.00 min
Lab File: BG044474.D
Acq: 18 Feb 2020 16:02

Instrument :
BNA_G
ClientSampleId :
43ST-A

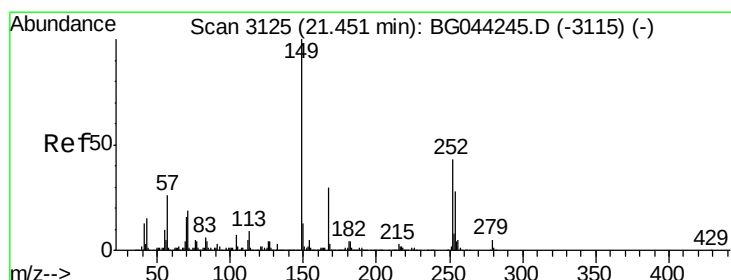
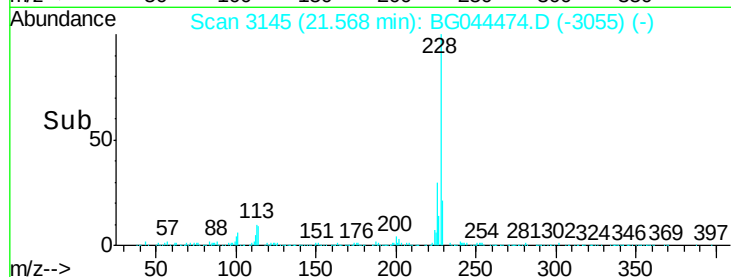
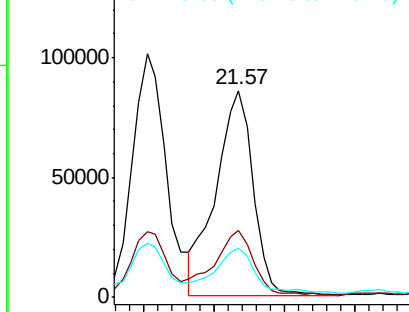
Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	27.1	40.7
229	23.7	17.9	26.9

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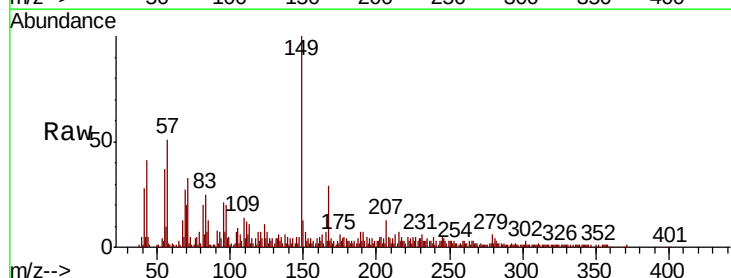


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

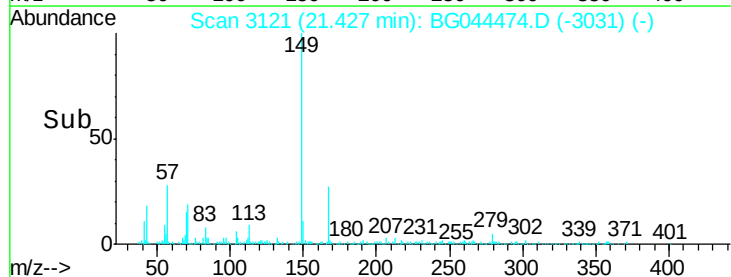
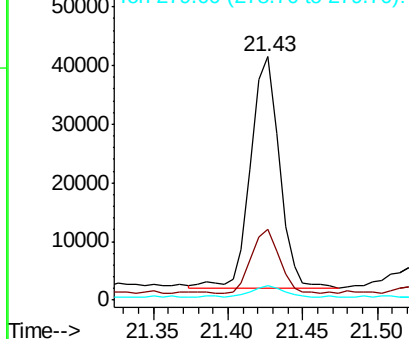


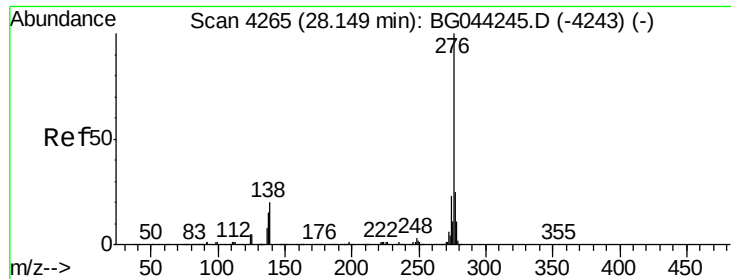
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.268 ng
RT: 21.43 min Scan# 3121
Delta R.T. 0.00 min
Lab File: BG044474.D
Acq: 18 Feb 2020 16:02

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.2	24.0	36.0
279	5.8	3.8	5.8#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





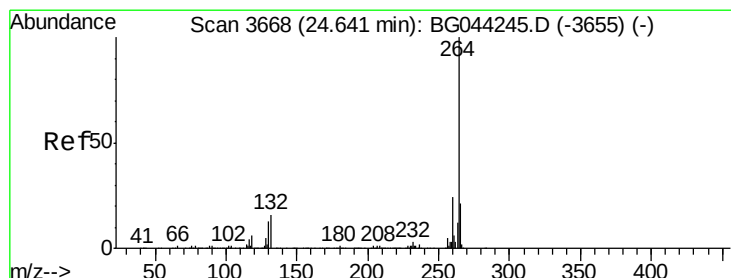
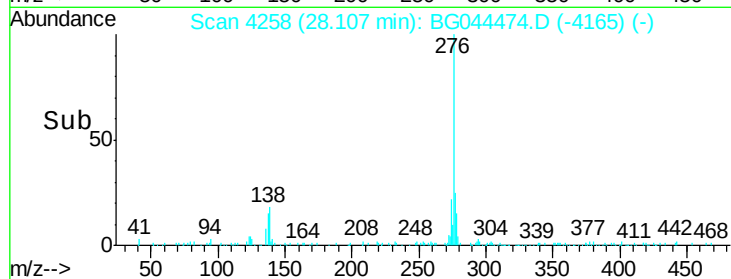
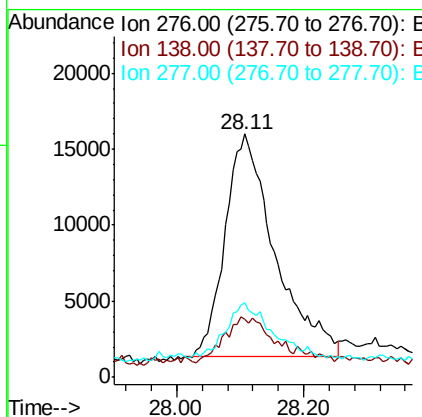
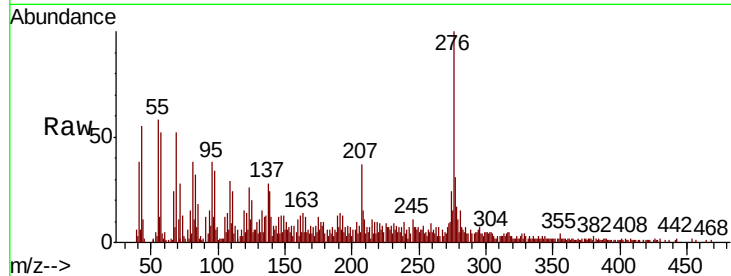
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.572 ng
RT: 28.11 min Scan# 4258
Delta R.T. 0.02 min
Lab File: BG044474.D
Acq: 18 Feb 2020 16:02

Instrument :
BNA_G
ClientSampleId :
43ST-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	10.3	19.4	29.0#
277	20.9	21.0	31.6#

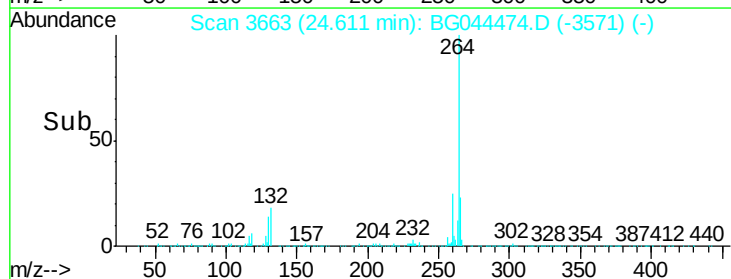
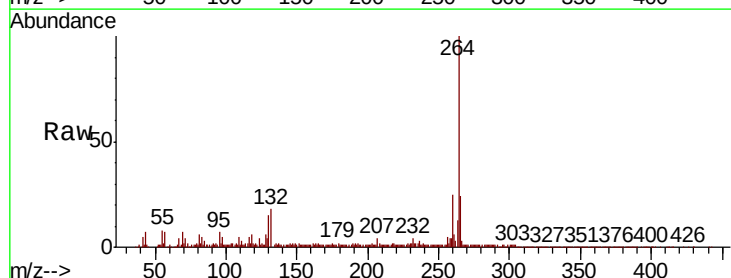
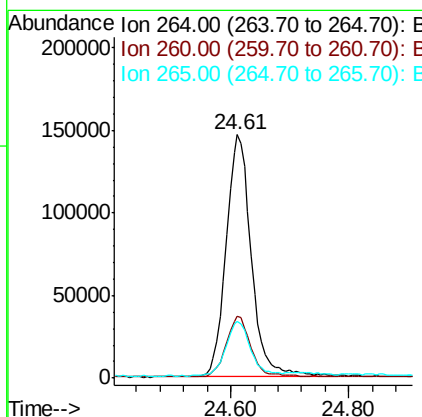
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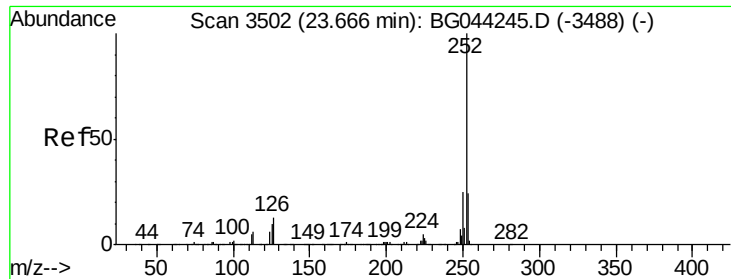
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#87
Perylene-d12
Concen: 20.000 ng
RT: 24.61 min Scan# 3663
Delta R.T. 0.01 min
Lab File: BG044474.D
Acq: 18 Feb 2020 16:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.4	29.2
265	23.5	16.7	25.1





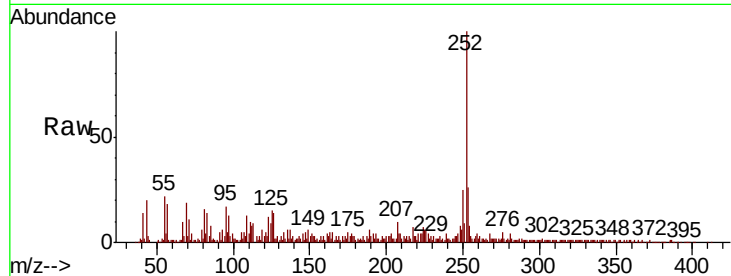
#88
Benzo(b)fluoranthene
Concen: 7.946 ng
RT: 23.64 min Scan# 3497
Delta R.T. 0.01 min
Lab File: BG044474.D
Acq: 18 Feb 2020 16:02

Instrument :
BNA_G
ClientSampleId :
43ST-A

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	26.2	19.2	28.8
125	15.0	8.4	12.6

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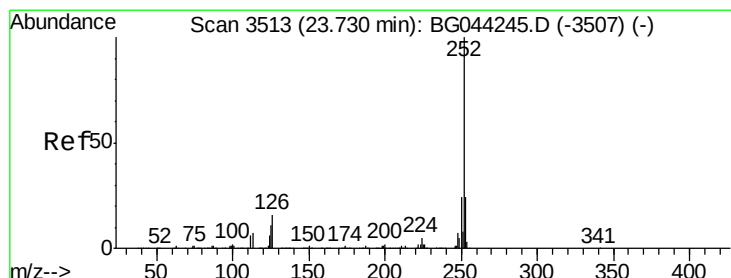
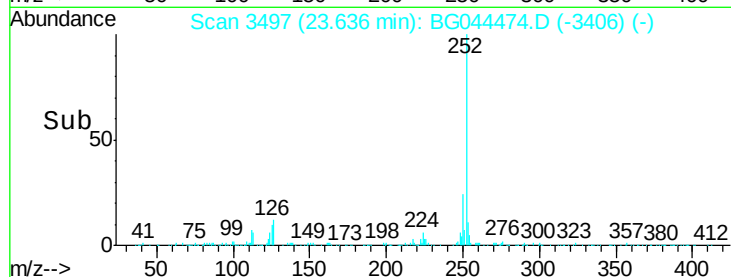
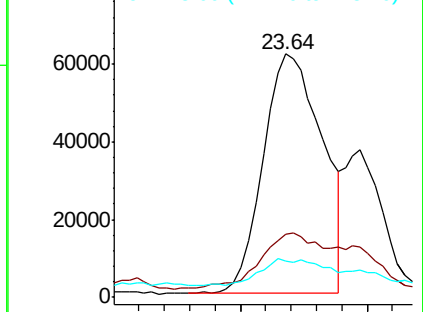


Abundance

Ion 252.00 (251.70 to 252.70): E

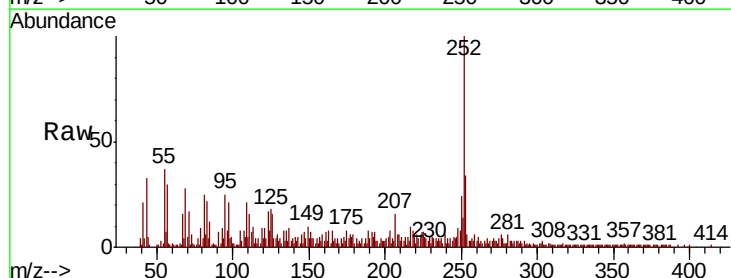
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 3.226 ng m
RT: 23.69 min Scan# 3507
Delta R.T. 0.00 min
Lab File: BG044474.D
Acq: 18 Feb 2020 16:02

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	33.7	19.1	28.7
125	18.1	8.6	12.8

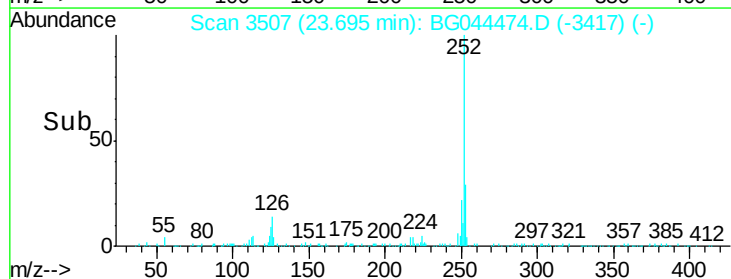
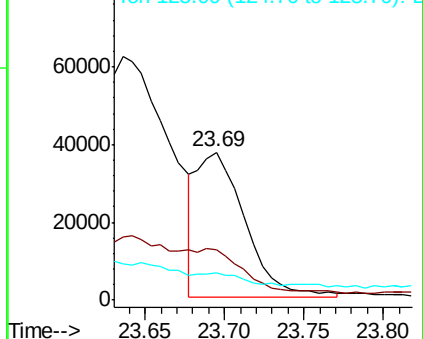


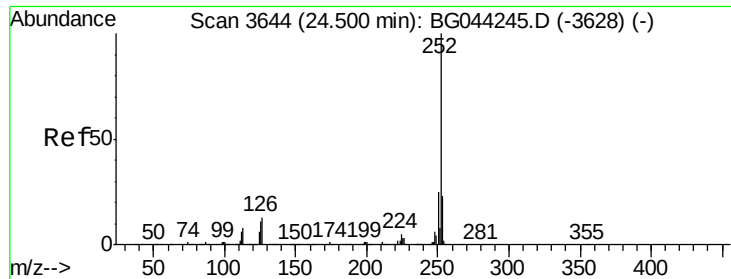
Abundance

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





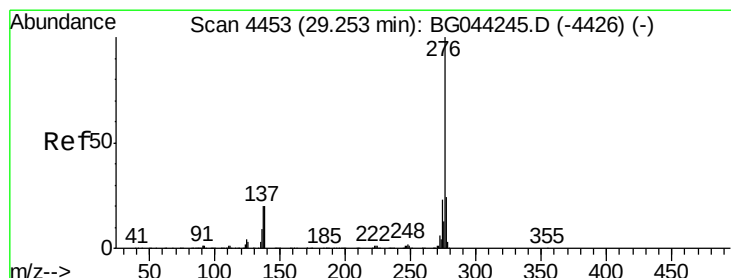
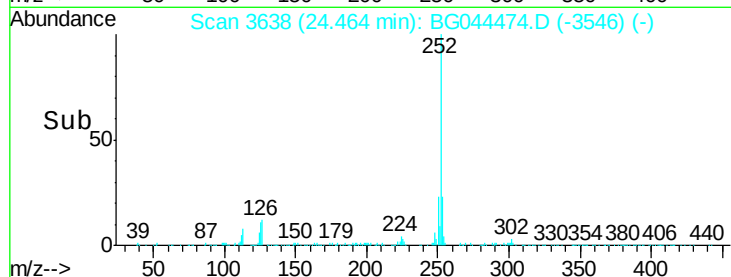
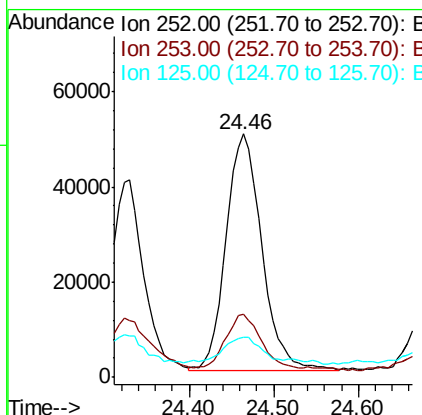
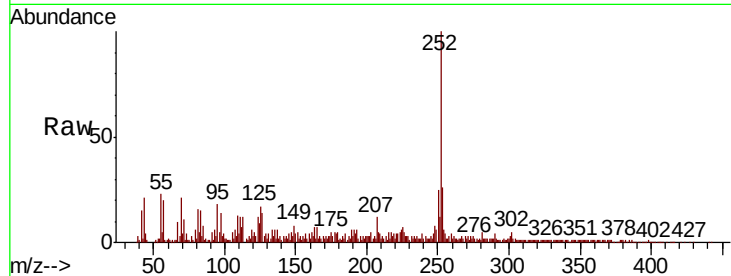
#90
Benzo(a)pyrene
Concen: 6.102 ng
RT: 24.46 min Scan# 3638
Delta R.T. 0.01 min
Lab File: BG044474.D
Acq: 18 Feb 2020 16:02

Instrument :
BNA_G
ClientSampleId :
43ST-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.1	27.1
125	16.7	8.6	13.0

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#92
Benzo(g,h,i)perylene
Concen: 3.364 ng
RT: 29.21 min Scan# 4445
Delta R.T. 0.03 min
Lab File: BG044474.D
Acq: 18 Feb 2020 16:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.7	18.8	28.2
138	22.9	16.2	24.2

