

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011420\
 Data File : BG044046.D
 Acq On : 14 Jan 2020 21:24
 Operator : JU
 Sample : L1106-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CIY1-SB-02-03-0-32

Manual Integrations
 APPROVED

mohammad
 1/16/2020 1:42:06 PM

Quant Time: Jan 15 09:48:11 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	129417	20.00	ng	-0.02
21) Naphthalene-d8	10.75	136	530349	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	324735	20.00	ng	-0.02
64) Phenanthrene-d10	17.32	188	635968	20.00	ng	-0.01
76) Chrysene-d12	21.58	240	544879	20.00	ng	0.00
87) Perylene-d12	24.80	264	615416	20.00	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	699565	99.25	ng	0.00
7) Phenol-d6	7.12	99	970891	98.54	ng	0.00
23) Nitrobenzene-d5	9.10	82	568919	57.39	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	318498	93.72	ng	-0.02
45) 2-Fluorobiphenyl	13.21	172	984169	54.91	ng	-0.02
79) Terphenyl-d14	19.94	244	1153075	43.37	ng	-0.02
Target Compounds						
50) Dimethylphthalate	14.03	163	124146	5.384	ng	97
71) Phenanthrene	17.36	178	134609	4.413	ng	94
75) Fluoranthene	19.37	202	224324	6.430	ng	93
78) Pyrene	19.73	202	207912m	5.846	ng	
80) Butylbenzylphthalate	20.63	149	62444	3.688	ng	97
81) Benzo(a)anthracene	21.57	228	107288	3.175	ng	94
83) Chrysene	21.63	228	99711	3.106	ng	94
88) Benzo(b)fluoranthene	23.78	252	136332m	3.747	ng	
90) Benzo(a)pyrene	24.64	252	89393	2.603	ng	# 93

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

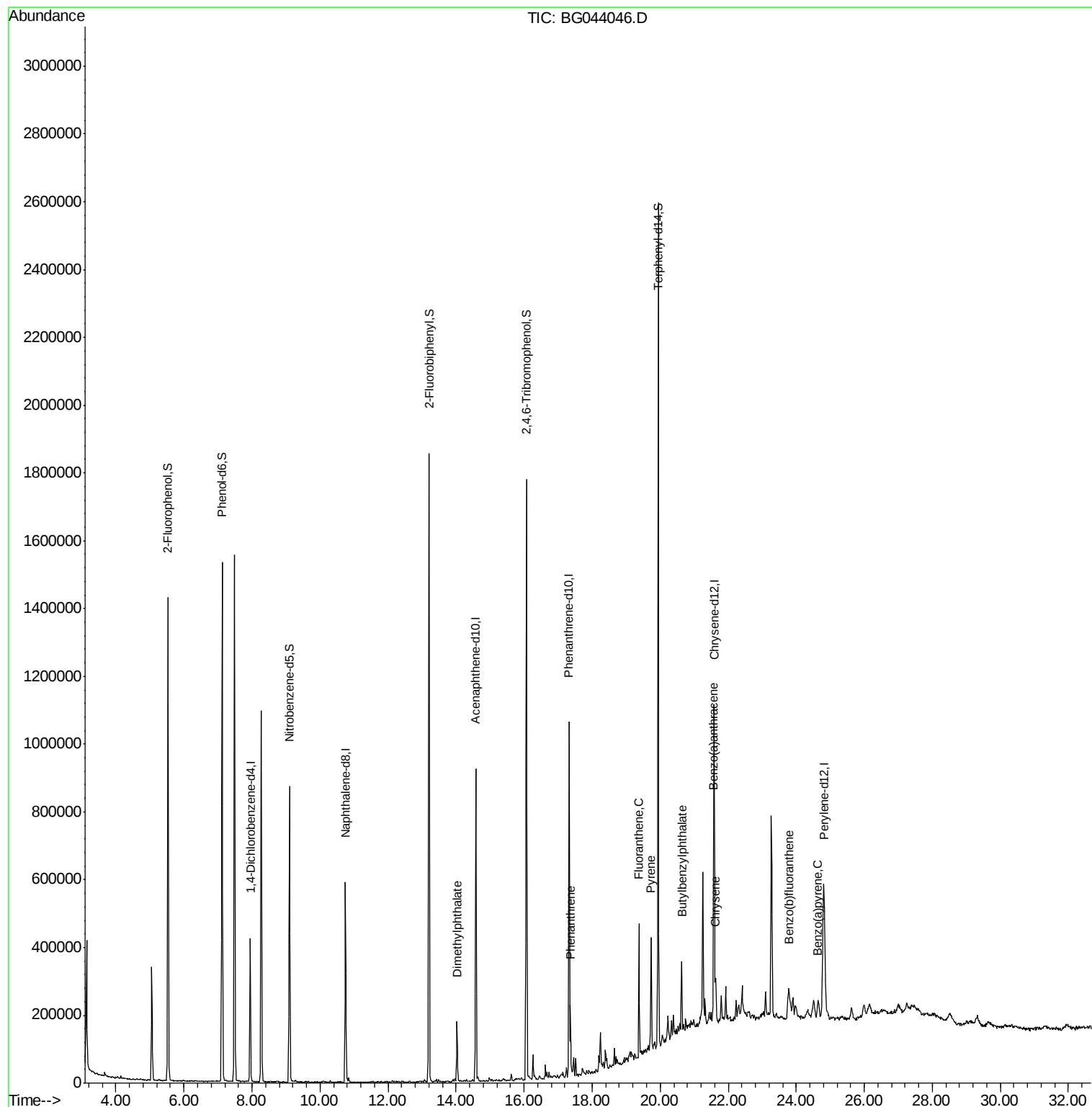
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011420\
Data File : BG044046.D
Acq On : 14 Jan 2020 21:24
Operator : JU
Sample : L1106-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

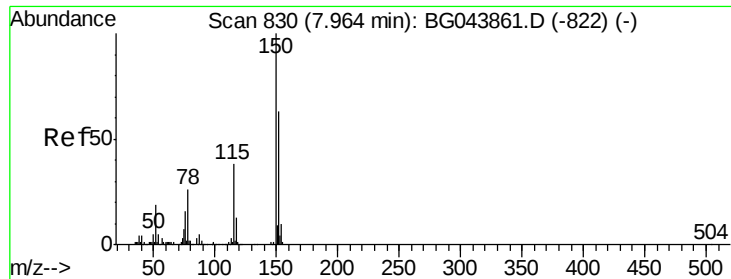
Instrument :
BNA_G
ClientSampleId :
CIY1-SB-02-03-0-32

Manual Integrations
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Quant Time: Jan 15 09:48:11 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





#1

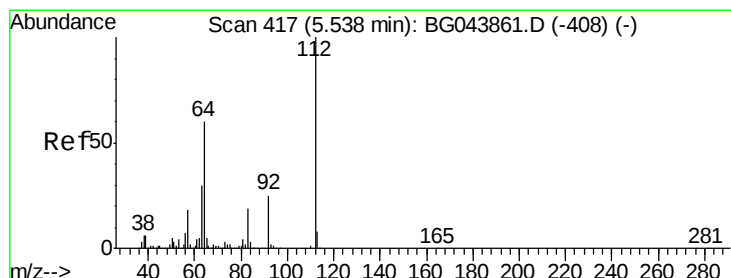
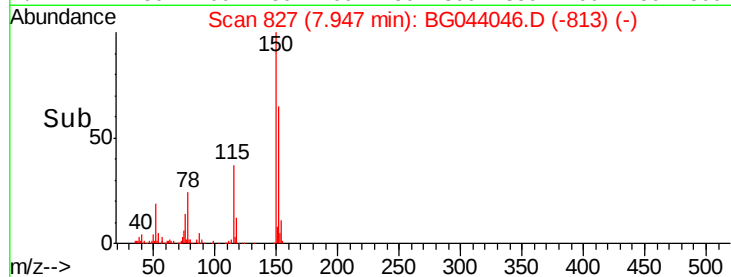
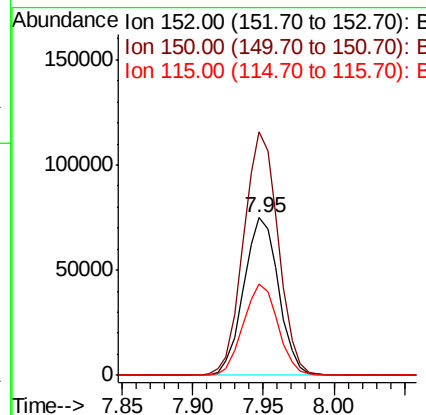
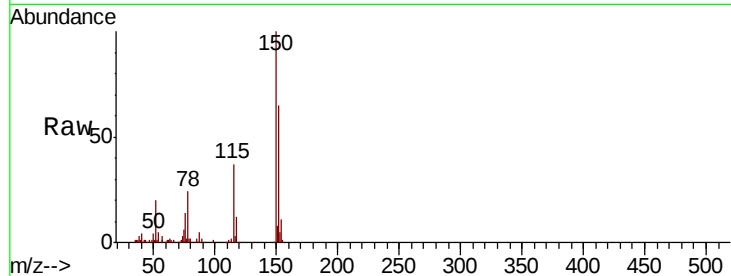
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.02 min
Lab File: BG044046.D
Acq: 14 Jan 2020 21:24

Instrument :
BNA_G
ClientSampleId :
CIY1-SB-02-03-0-32

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	127.0	190.4
115	57.6	47.8	71.8

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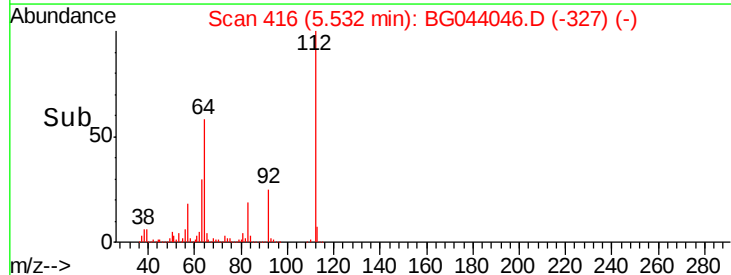
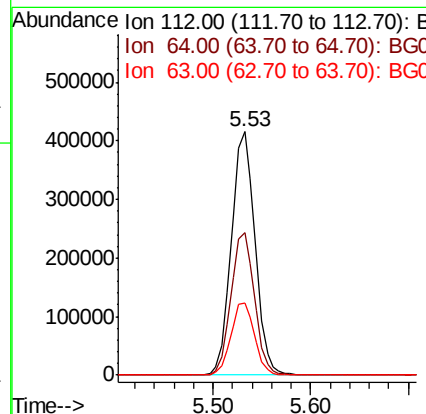
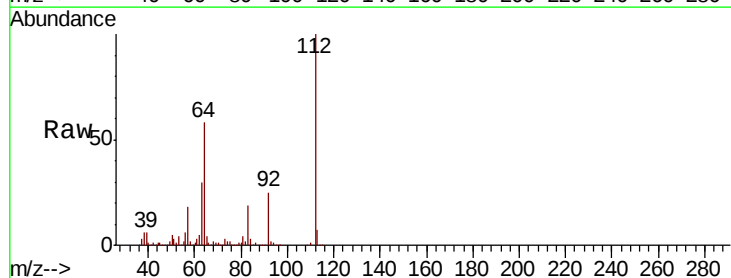
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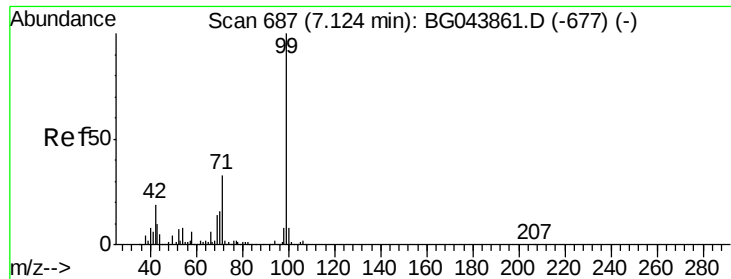


#5

2-Fluorophenol
Concen: 99.252 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG044046.D
Acq: 14 Jan 2020 21:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.8	71.6
63	29.7	24.3	36.5





#7

Phenol-d6

Concen: 98.544 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.01 min

Lab File: BG044046.D

Acq: 14 Jan 2020 21:24

Instrument :

BNA_G

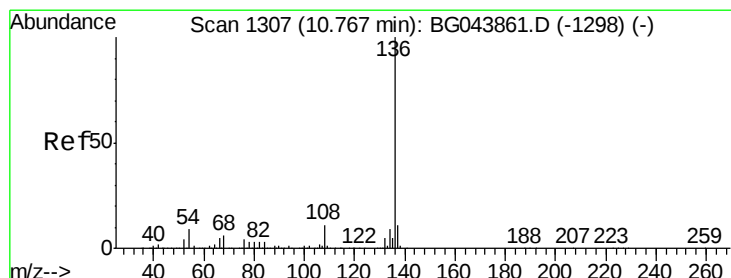
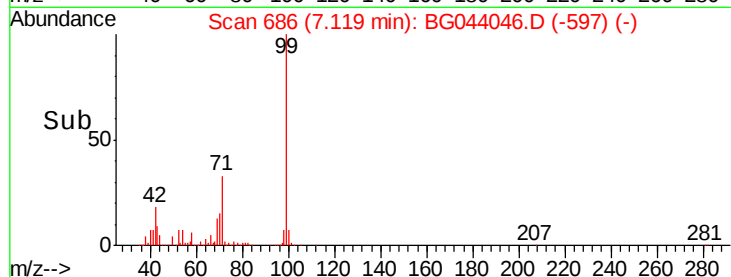
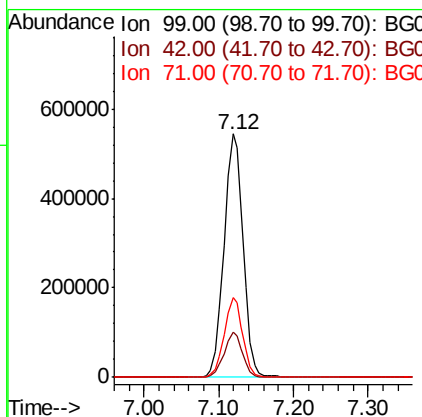
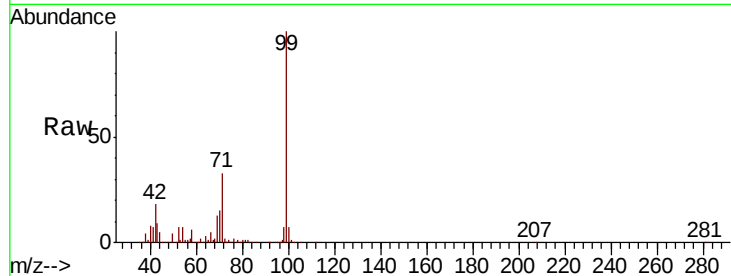
ClientSampleId :

CIY1-SB-02-03-0-32

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	99	100	970891		
42	42	18.4		14.9	22.3
71	71	32.7		26.4	39.6

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#21

Naphthalene-d8

Concen: 20.000 ng

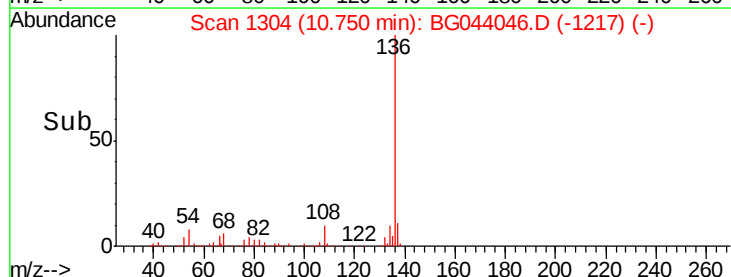
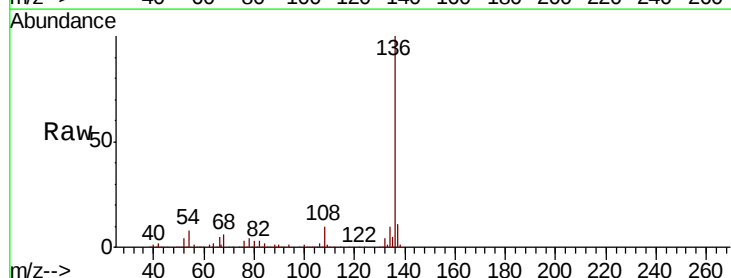
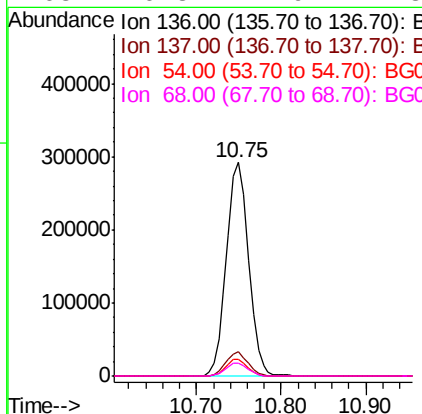
RT: 10.75 min Scan# 1304

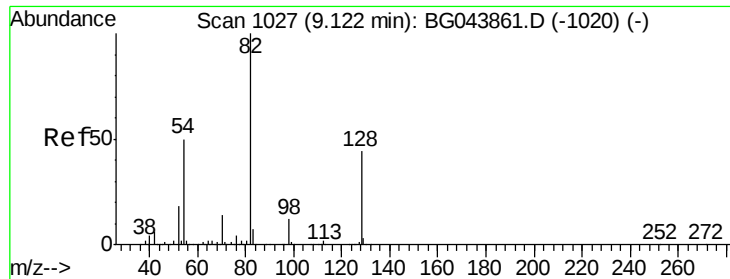
Delta R.T. -0.02 min

Lab File: BG044046.D

Acq: 14 Jan 2020 21:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	136	100	530349		
137	137	11.2		8.8	13.2
54	54	7.8		7.0	10.4
68	68	6.3		4.9	7.3





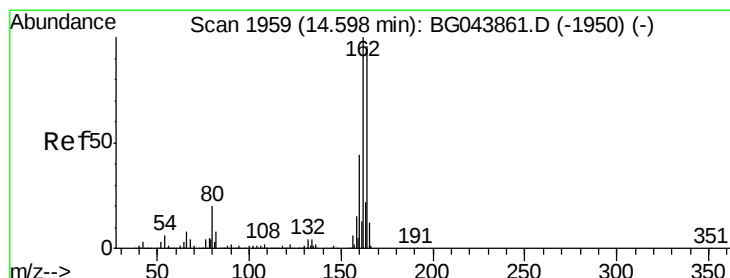
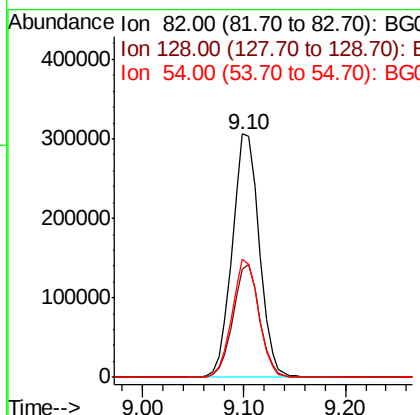
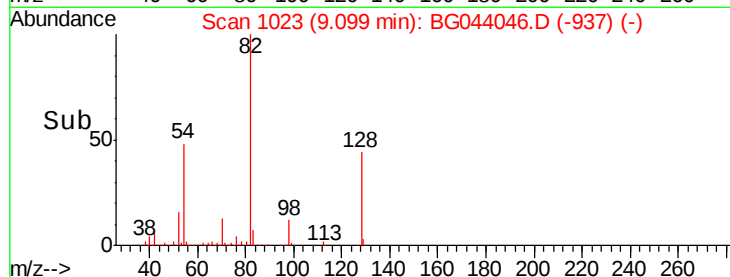
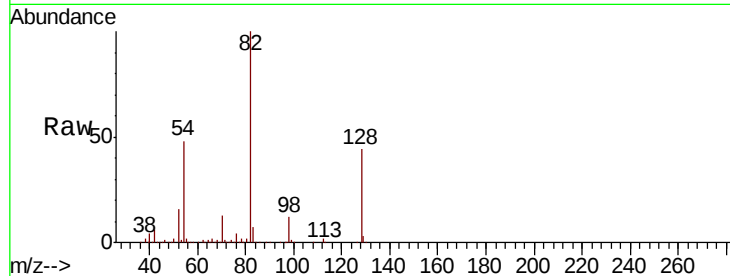
#23
Nitrobenzene-d5
Concen: 57.386 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BG044046.D
Acq: 14 Jan 2020 21:24

Instrument :
BNA_G
ClientSampleId :
CIY1-SB-02-03-0-32

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.4	35.1	52.7
54	48.3	40.1	60.1

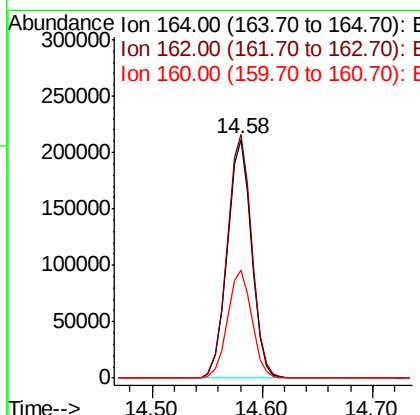
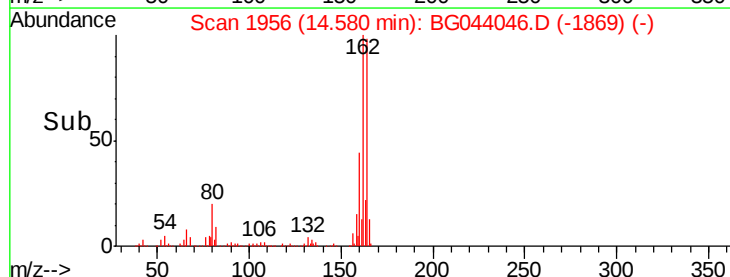
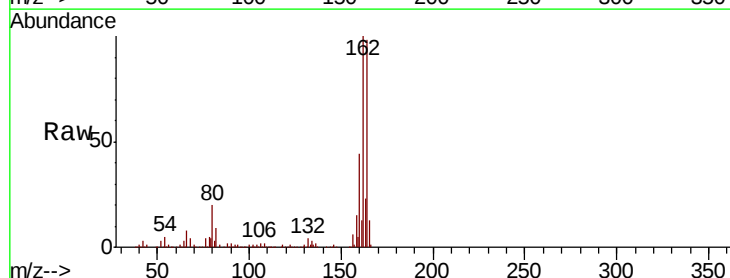
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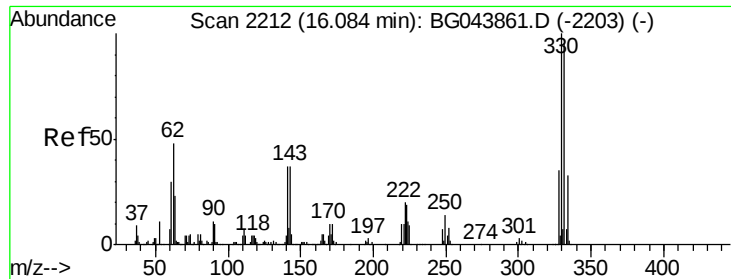
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.02 min
Lab File: BG044046.D
Acq: 14 Jan 2020 21:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	83.0	124.4
160	45.4	36.1	54.1





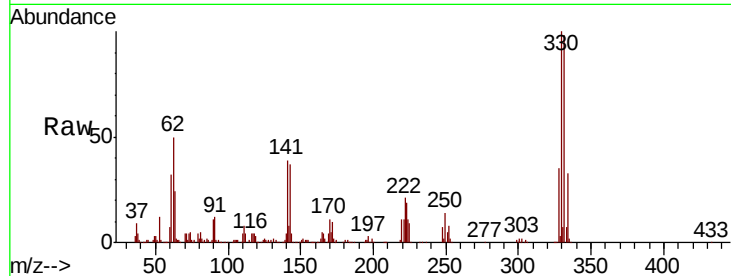
#42
 2,4,6-Tribromophenol
 Concen: 93.723 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.02 min
 Lab File: BG044046.D
 Acq: 14 Jan 2020 21:24

Instrument :
 BNA_G
 ClientSampleId :
 CIY1-SB-02-03-0-32

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.2	115.8
141	39.4	33.1	49.7

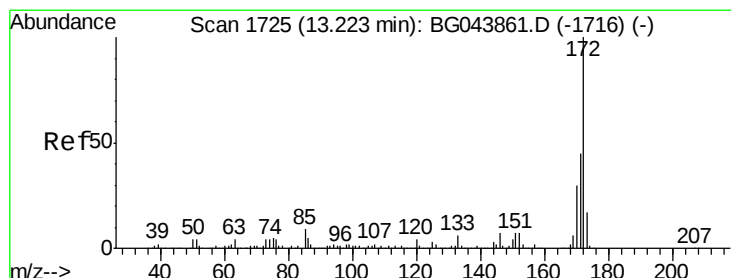
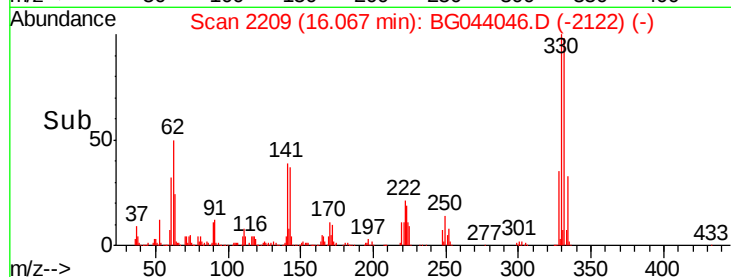
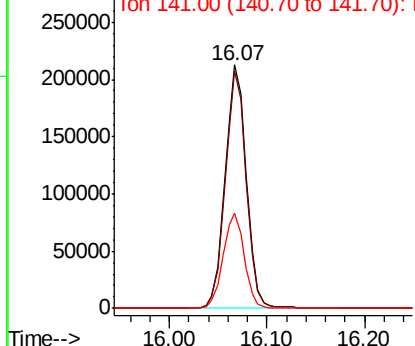
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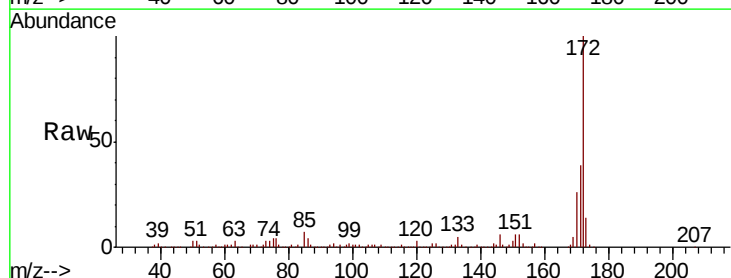
Abundance

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



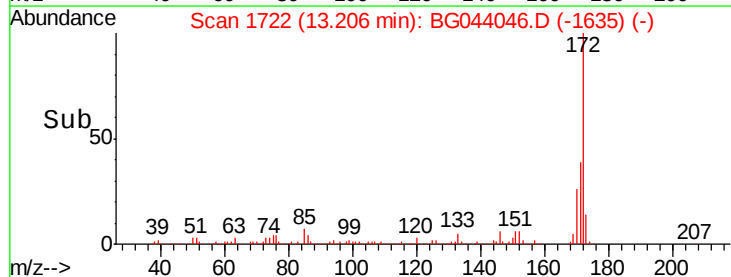
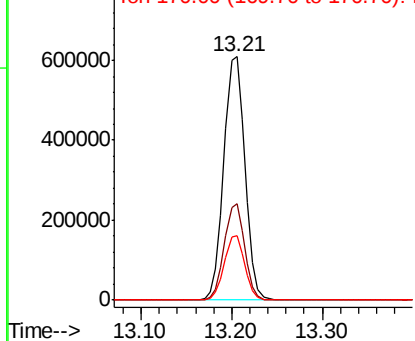
#45
 2-Fluorobiphenyl
 Concen: 54.909 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.02 min
 Lab File: BG044046.D
 Acq: 14 Jan 2020 21:24

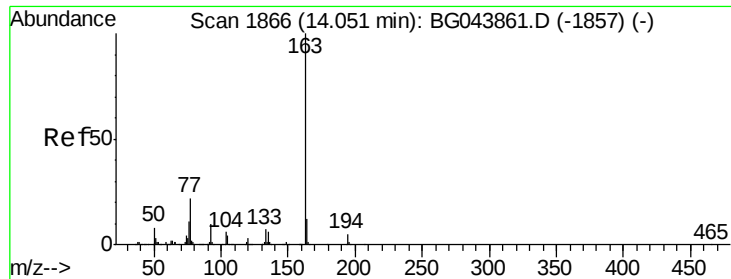
Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.4	35.8	53.8
170	26.3	24.2	36.4



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





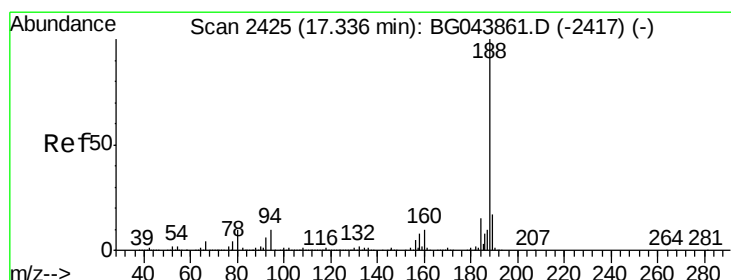
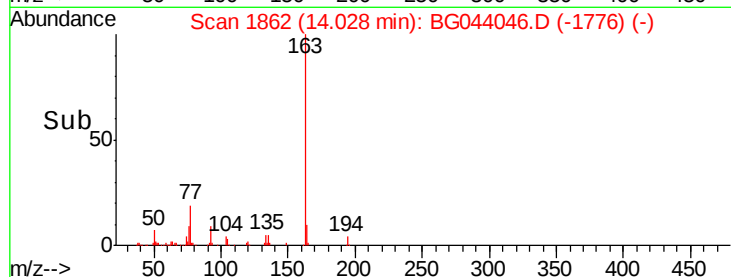
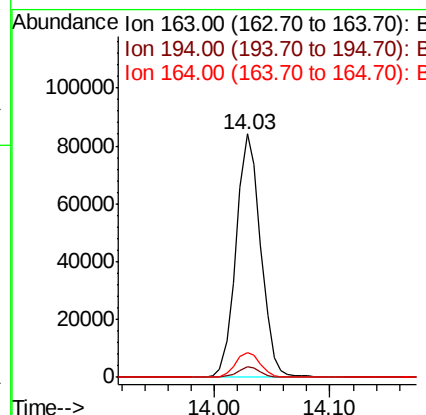
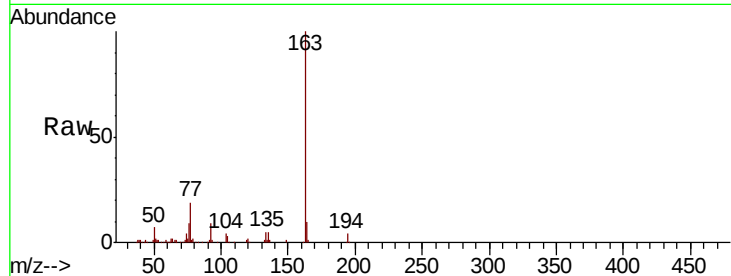
#50
Dimethylphthalate
Concen: 5.384 ng
RT: 14.03 min Scan# 1862
Delta R.T. -0.02 min
Lab File: BG044046.D
Acq: 14 Jan 2020 21:24

Instrument :
BNA_G
ClientSampleId :
CIY1-SB-02-03-0-32

Tot Ion	Ratio	Resp	Lower	Upper
163	100	124146		
194	4.4	3.7	5.5	
164	10.3	9.3	13.9	

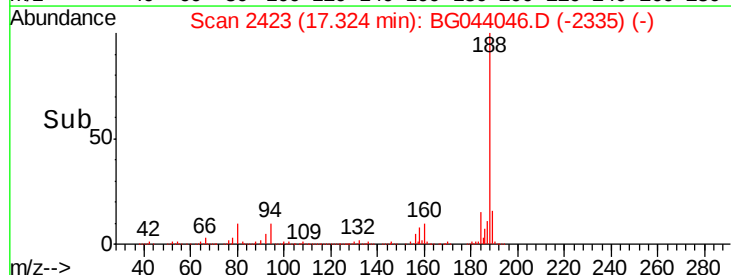
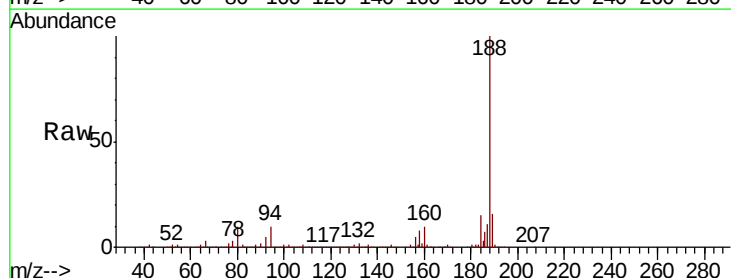
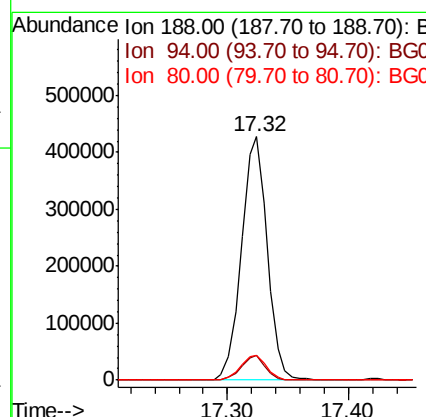
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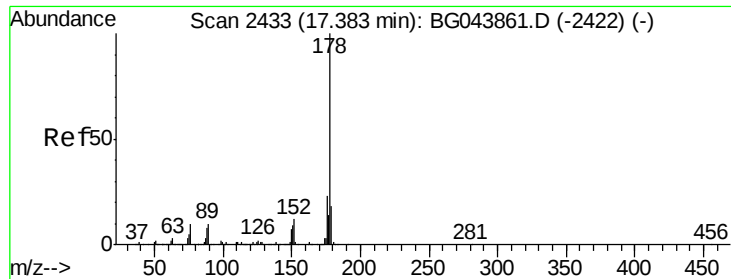
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.32 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BG044046.D
Acq: 14 Jan 2020 21:24

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	635968		
94	9.9	7.9	11.9	
80	10.2	8.2	12.4	





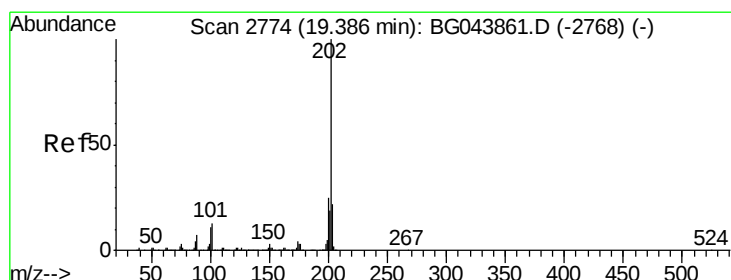
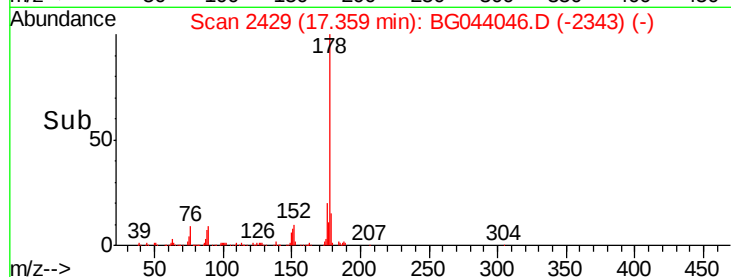
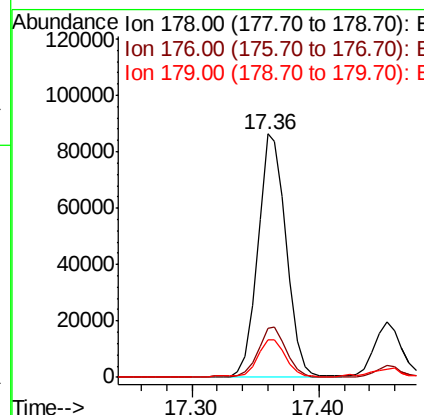
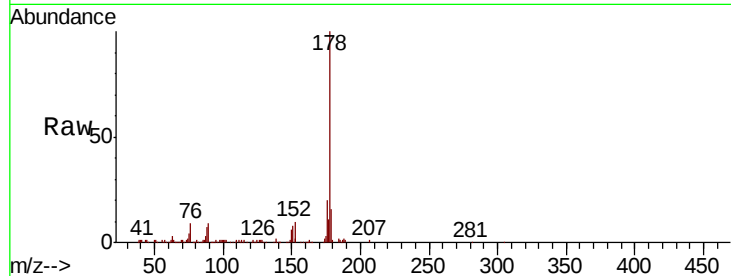
#71
Phenanthrene
Concen: 4.413 ng
RT: 17.36 min Scan# 2429
Delta R.T. -0.02 min
Lab File: BG044046.D
Acq: 14 Jan 2020 21:24

Instrument :
BNA_G
ClientSampleId :
CIY1-SB-02-03-0-32

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	18.6	28.0
179	15.6	14.4	21.6

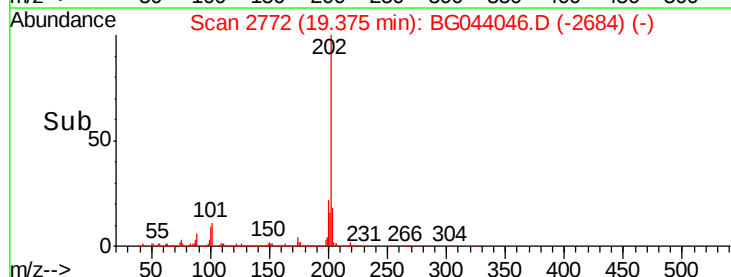
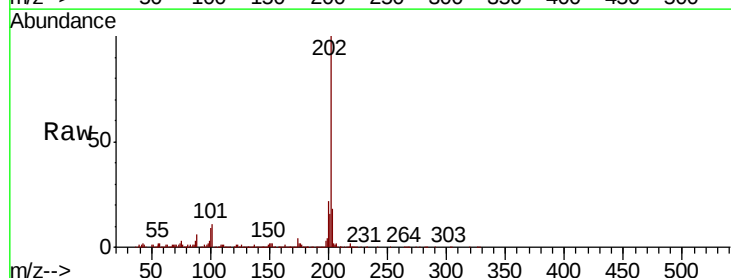
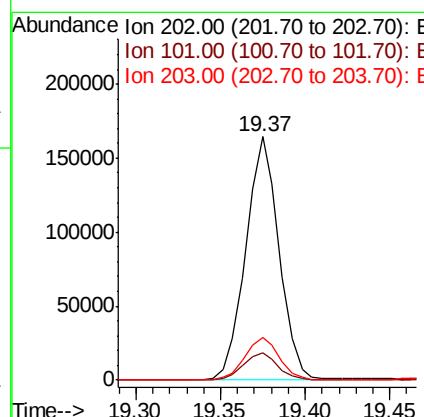
Manual Integrations
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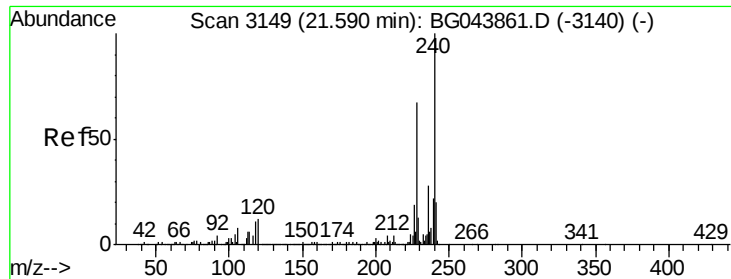
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#75
Fluoranthene
Concen: 6.430 ng
RT: 19.37 min Scan# 2772
Delta R.T. -0.01 min
Lab File: BG044046.D
Acq: 14 Jan 2020 21:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	33.3
203	17.7	1.6	41.6





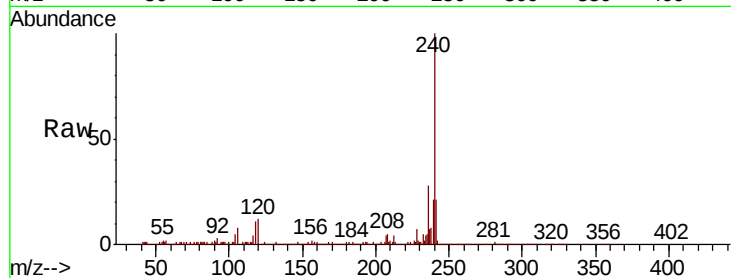
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.58 min Scan# 3148
Delta R.T. -0.01 min
Lab File: BG044046.D
Acq: 14 Jan 2020 21:24

Instrument :
BNA_G
ClientSampleId :
CIY1-SB-02-03-0-32

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.6	14.4
236	28.0	22.2	33.2

Manual Integrations
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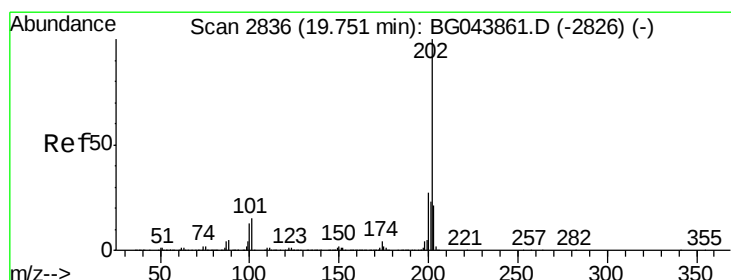
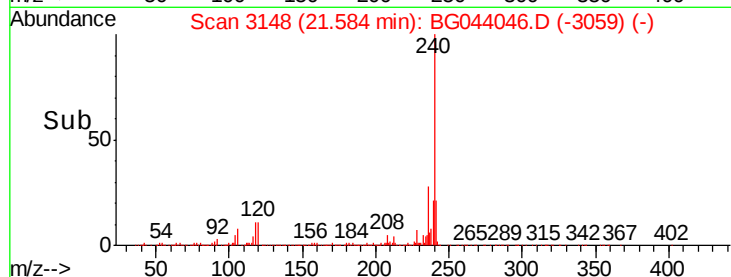
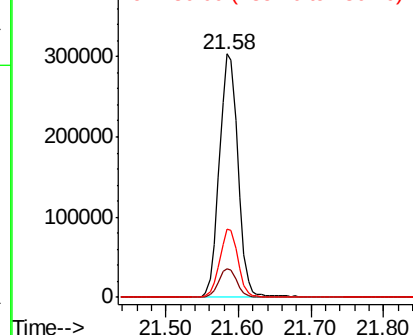


Abundance

Ion 240.00 (239.70 to 240.70): E

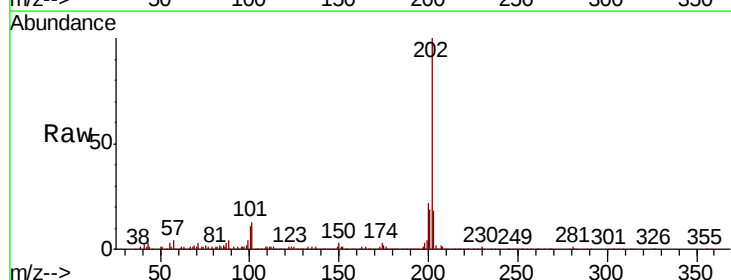
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 5.846 ng m
RT: 19.73 min Scan# 2833
Delta R.T. -0.02 min
Lab File: BG044046.D
Acq: 14 Jan 2020 21:24

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	21.7	32.5#
203	18.4	17.0	25.6

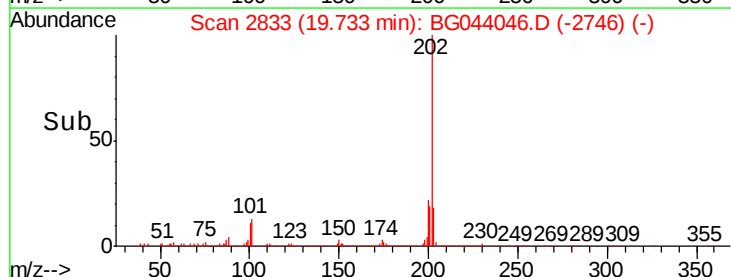
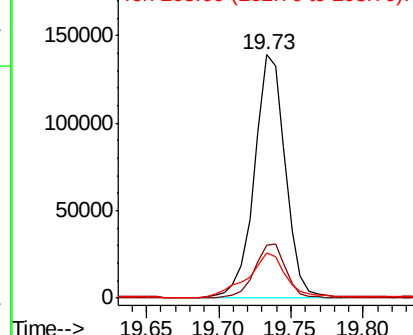


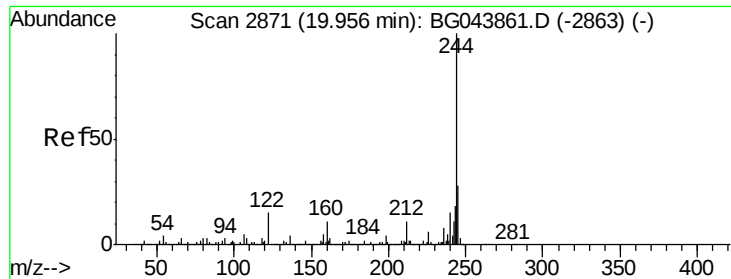
Abundance

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: 43.375 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.02 min

Lab File: BG044046.D

Acq: 14 Jan 2020 21:24

Instrument :

BNA_G

ClientSampleId :

CIY1-SB-02-03-0-32

Tot Ion:244 Resp: 1153075

Ion Ratio Lower Upper

244 100

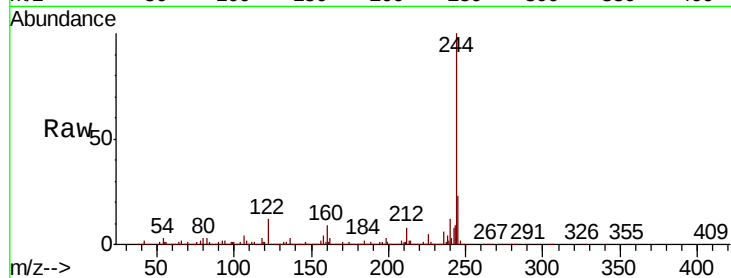
212 8.5 8.6 13.0#

122 12.2 11.9 17.9

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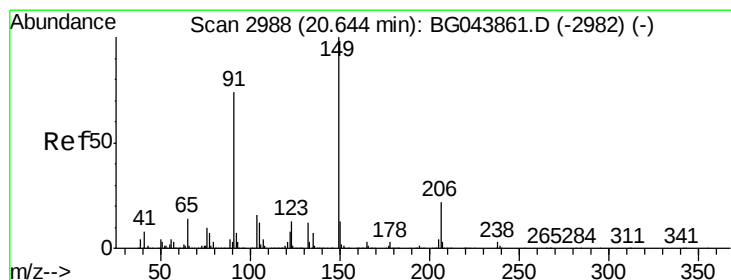
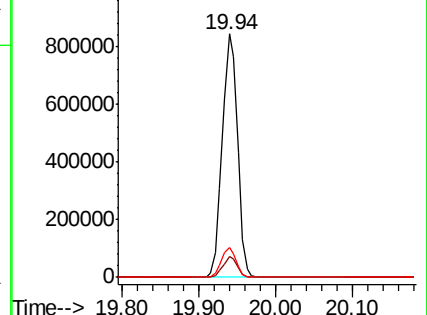
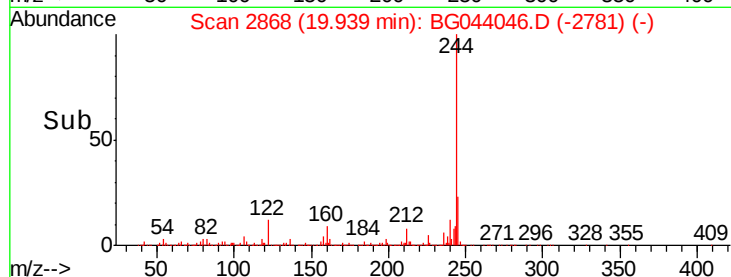
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 3.688 ng

RT: 20.63 min Scan# 2986

Delta R.T. -0.01 min

Lab File: BG044046.D

Acq: 14 Jan 2020 21:24

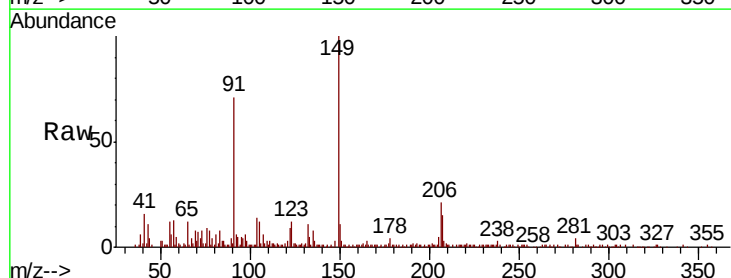
Tgt Ion:149 Resp: 62444

Ion Ratio Lower Upper

149 100

91 71.0 59.5 89.3

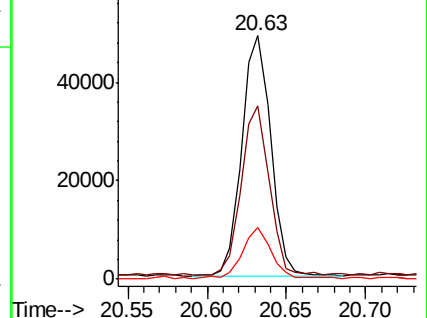
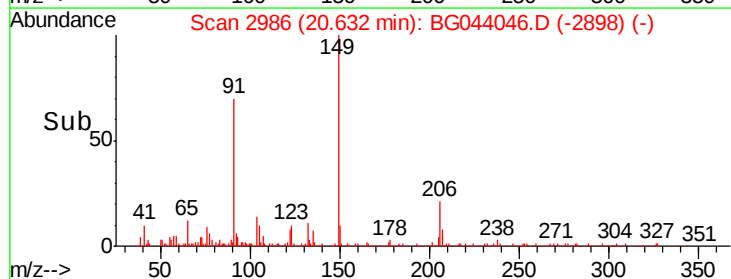
206 21.4 17.8 26.6

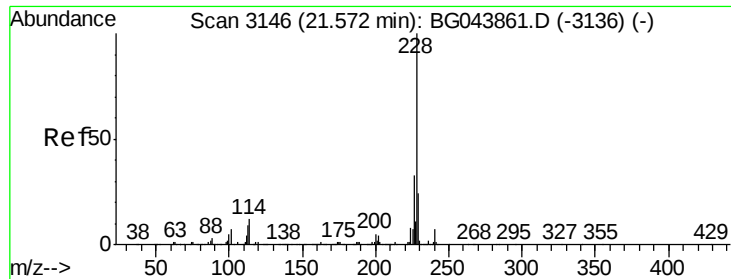


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





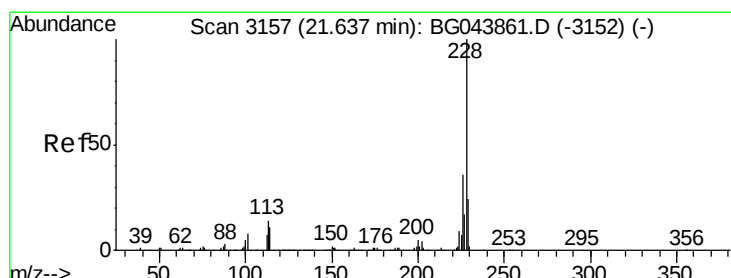
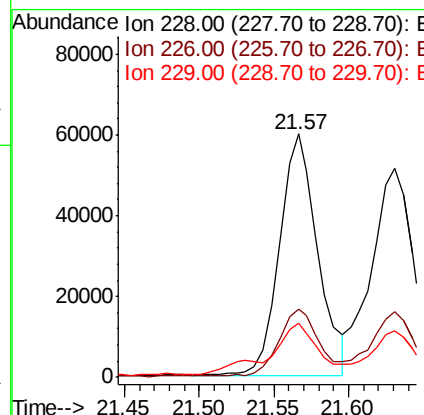
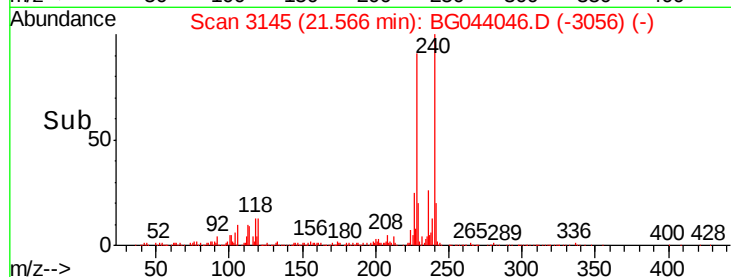
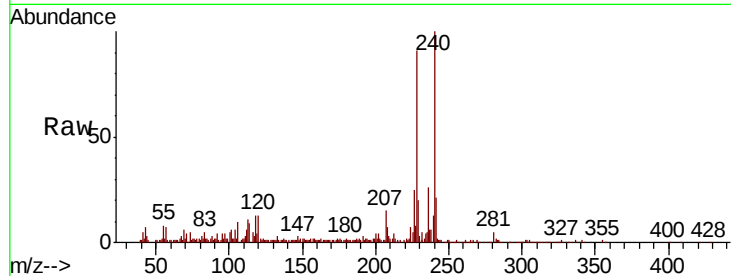
#81
Benzo(a)anthracene
Concen: 3.175 ng
RT: 21.57 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG044046.D
Acq: 14 Jan 2020 21:24

Instrument :
BNA_G
ClientSampleId :
CIY1-SB-02-03-0-32

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	26.2	39.4
229	22.4	18.9	28.3

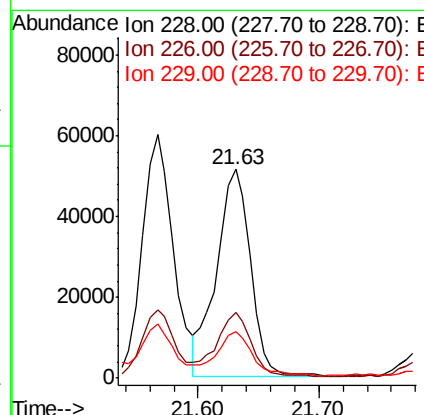
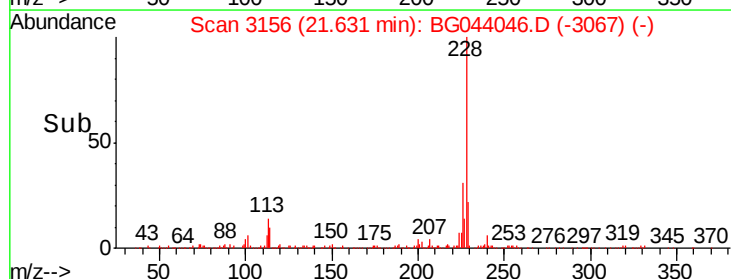
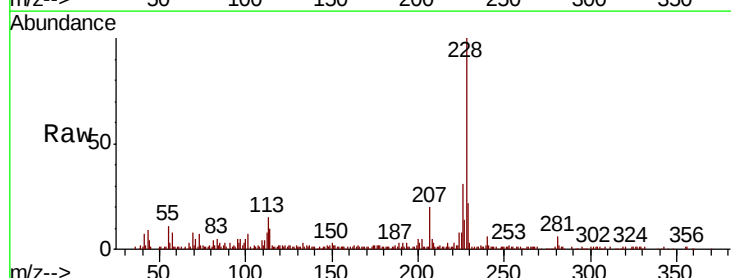
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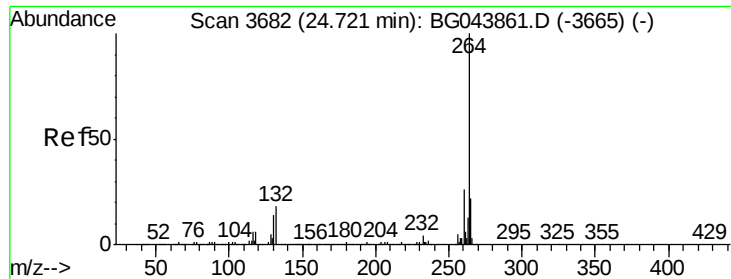
mohammad
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#83
Chrysene
Concen: 3.106 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.01 min
Lab File: BG044046.D
Acq: 14 Jan 2020 21:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	28.8	43.2
229	22.4	19.0	28.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.80 min Scan# 3696

Delta R.T. 0.08 min

Lab File: BG044046.D

Acq: 14 Jan 2020 21:24

Instrument :

BNA_G

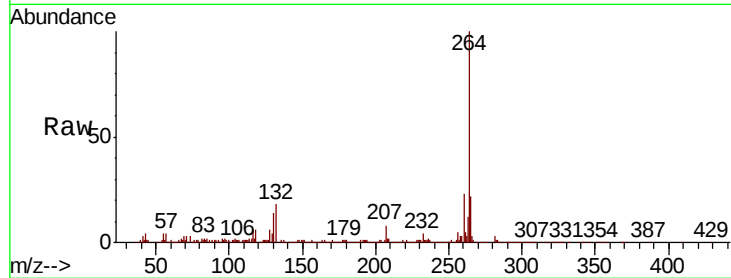
ClientSampleId :

CIY1-SB-02-03-0-32

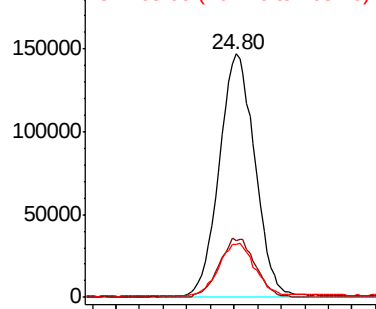
Tot Ion:	264	Resp:	615416
Ion Ratio	Lower	Upper	
264	100		
260	23.1	20.4	30.6
265	21.5	17.4	26.2

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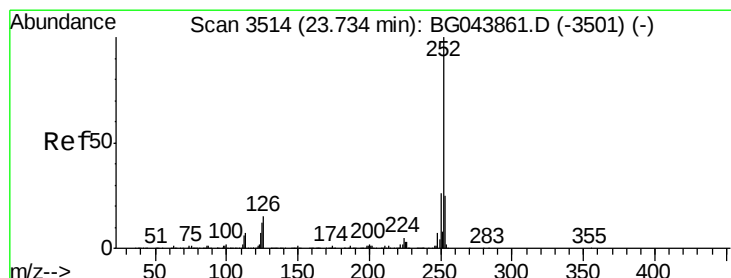
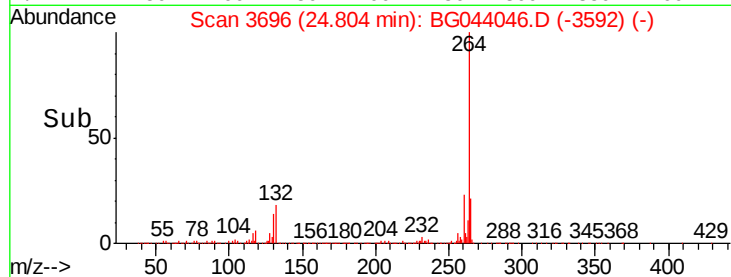
mohammad
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time-->



#88

Benzo(b)fluoranthene

Concen: 3.747 ng m

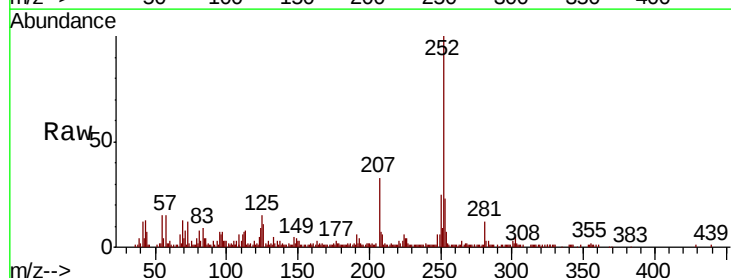
RT: 23.78 min Scan# 3522

Delta R.T. 0.05 min

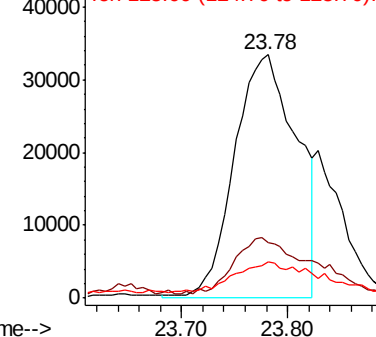
Lab File: BG044046.D

Acq: 14 Jan 2020 21:24

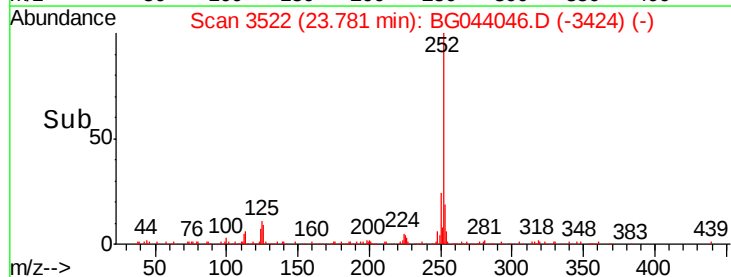
Tgt Ion:	252	Resp:	136332
Ion Ratio	Lower	Upper	
252	100		
253	22.6	19.7	29.5
125	15.1	9.4	14.2#

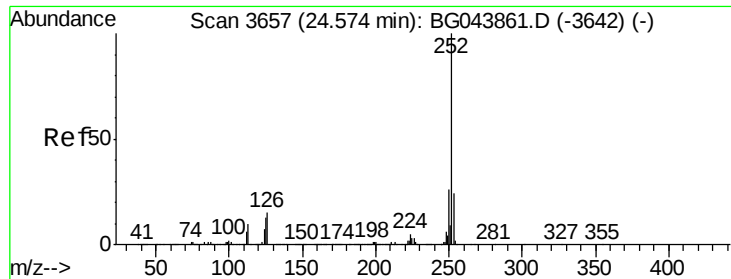


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#90
 Benzo(a)pyrene
 Concen: 2.603 ng
 RT: 24.64 min Scan# 3668
 Delta R.T. 0.06 min
 Lab File: BG044046.D
 Acq: 14 Jan 2020 21:24

Instrument :
 BNA_G
 ClientSampleId :
 CIY1-SB-02-03-0-32

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	19.3	28.9
125	17.2	10.4	15.6

Manual Integrations
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