

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
 Data File : BG044431.D
 Acq On : 13 Feb 2020 23:54
 Operator : CG/JU
 Sample : L1491-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-2A-(13.5-15.5)

Manual Integrations
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Quant Time: Feb 14 10:18:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	91204	20.00	ng	0.00
21) Naphthalene-d8	10.70	136	379352	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	229377	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	450453	20.00	ng	0.00
76) Chrysene-d12	21.54	240	420557	20.00	ng	0.00
87) Perylene-d12	24.64	264	465701	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	442331	85.59	ng	0.00
7) Phenol-d6	7.08	99	604155	87.06	ng	0.00
23) Nitrobenzene-d5	9.06	82	368816	54.89	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	204156	75.82	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	755307	55.14	ng	0.00
79) Terphenyl-d14	19.91	244	969465	47.41	ng	0.00
Target Compounds						
38) 1-Methylnaphthalene	12.59	142	37647	2.922	ng	Qvalue # 96
50) Dimethylphthalate	14.00	163	36292	2.201	ng	# 95
52) Acenaphthene	14.61	154	55638	4.445	ng	97
58) Fluorene	15.59	166	77264	5.176	ng	# 90
71) Phenanthrene	17.33	178	517907	23.744	ng	99
72) Anthracene	17.42	178	191881	8.898	ng	98
75) Fluoranthene	19.35	202	665812	26.387	ng	99
78) Pyrene	19.71	202	614925	22.768	ng	98
81) Benzo(a)anthracene	21.52	228	272710	10.521	ng	# 95
83) Chrysene	21.58	228	254034	10.140	ng	# 93
88) Benzo(b)fluoranthene	23.66	252	240776	8.972	ng	# 89
89) Benzo(k)fluoranthene	23.71	252	81028m	3.098	ng	
90) Benzo(a)pyrene	24.49	252	170253	6.710	ng	# 85

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

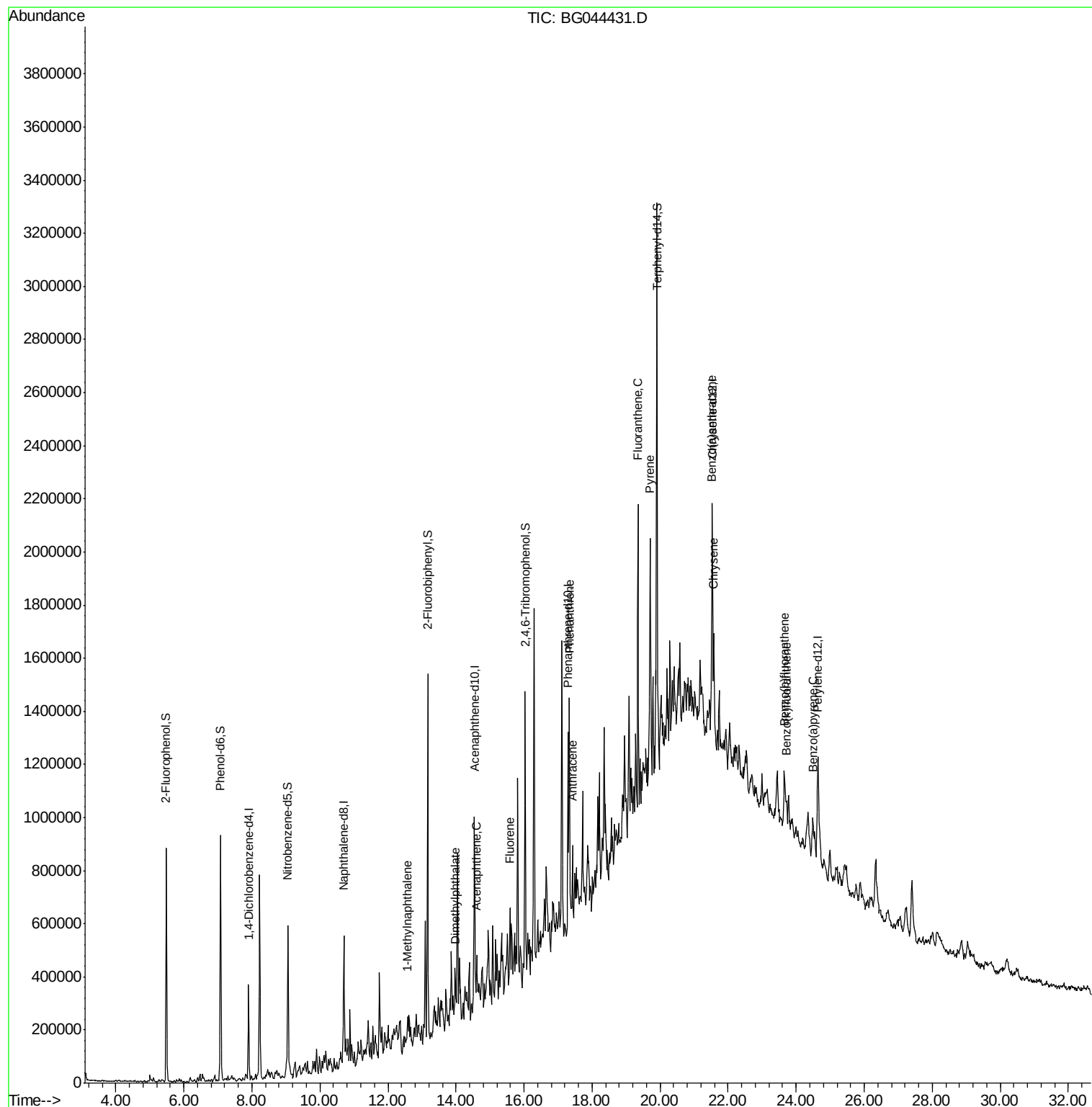
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044431.D
Acq On : 13 Feb 2020 23:54
Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

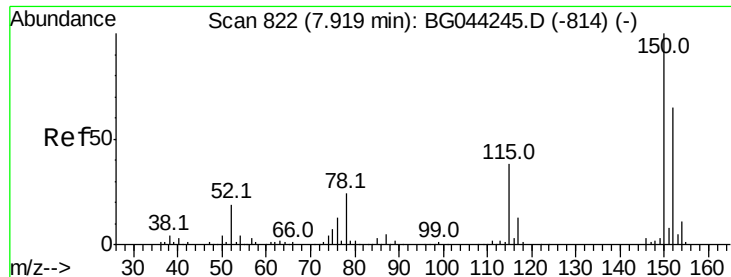
Instrument :
BNA_G
ClientSampleId :
SB-2A-(13.5-15.5)

Manual Integrations
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Quant Time: Feb 14 10:18:28 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 10 16:11:50 2020
Response via : Initial Calibration





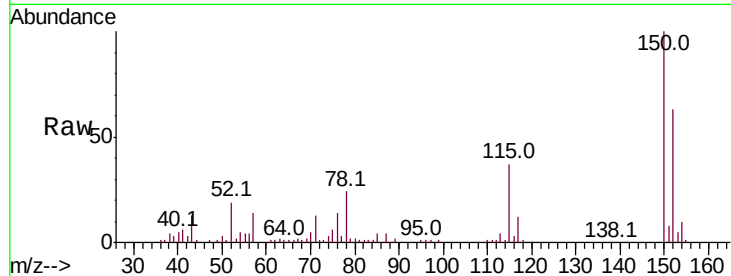
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.90 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BG044431.D
 Acq: 13 Feb 2020 23:54

Instrument :
 BNA_G
 ClientSampleId :
 SB-2A-(13.5-15.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	122.6	183.8
115	59.7	46.0	69.0

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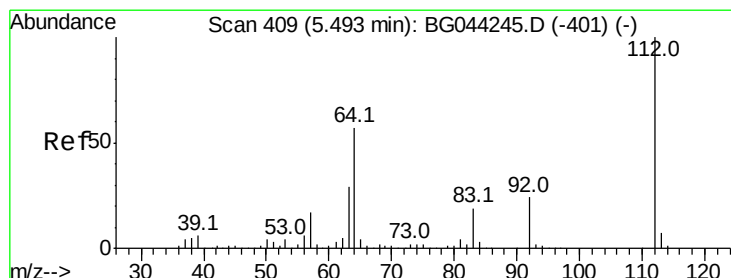
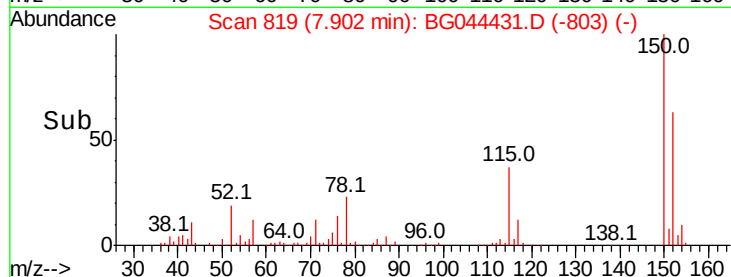
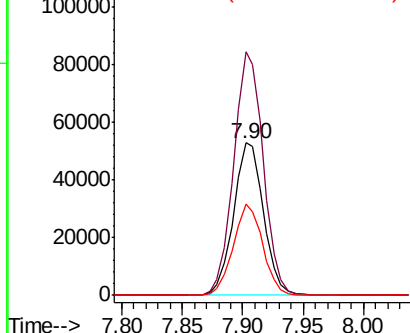


Abundance

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: 85.593 ng
 RT: 5.48 min Scan# 407
 Delta R.T. 0.00 min
 Lab File: BG044431.D
 Acq: 13 Feb 2020 23:54

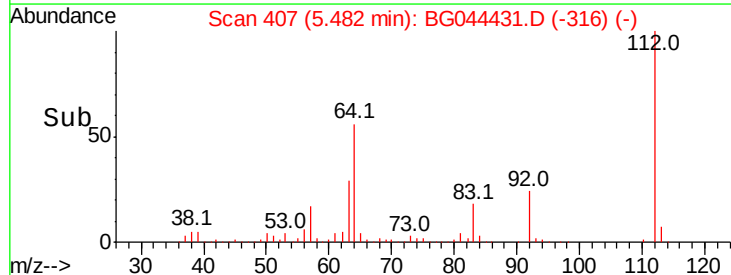
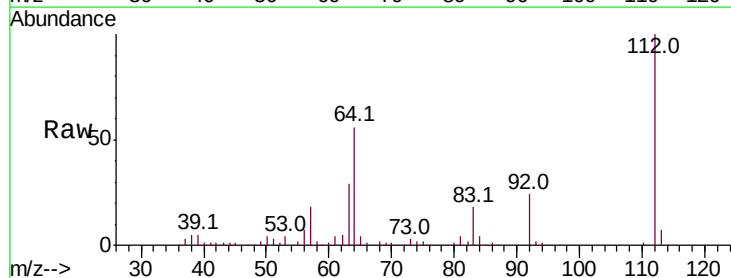
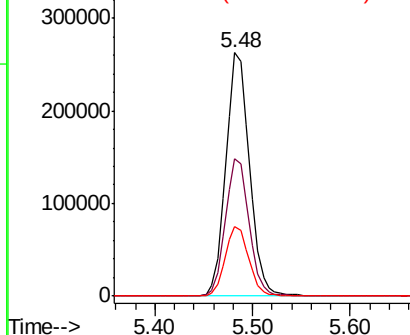
Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	45.4	68.2
63	28.6	22.9	34.3

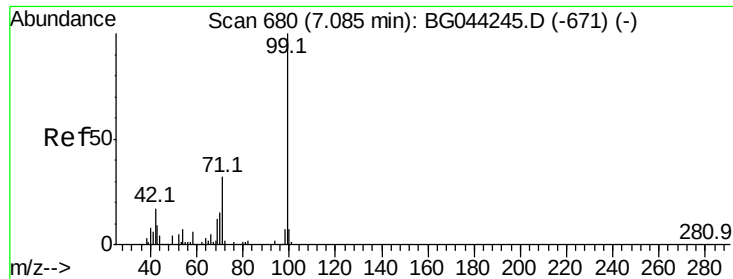
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 87.059 ng

RT: 7.08 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG044431.D

Acq: 13 Feb 2020 23:54

Instrument :

BNA_G

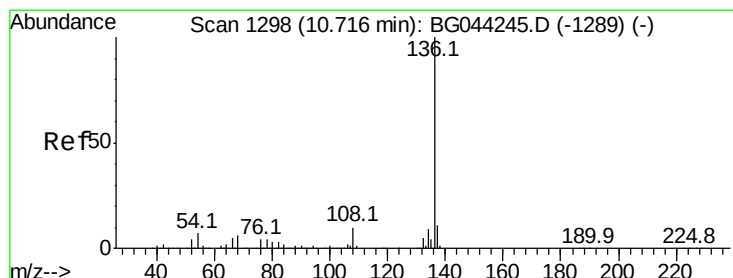
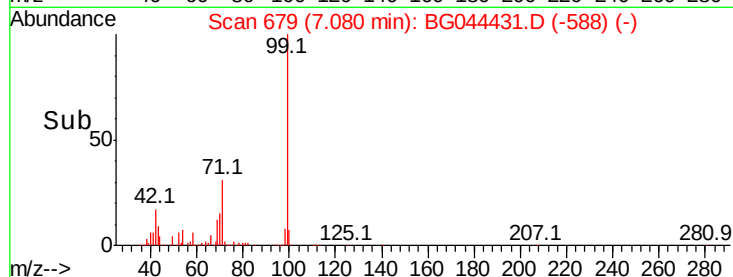
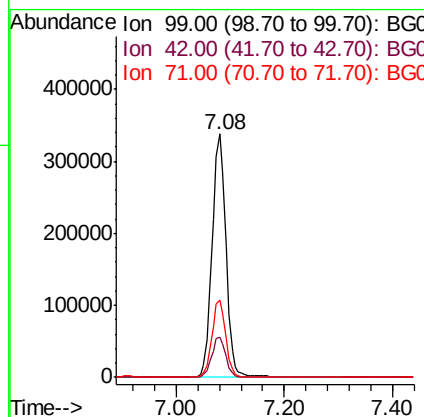
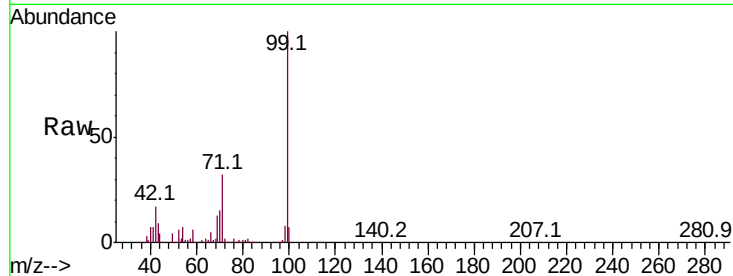
ClientSampleId :

SB-2A-(13.5-15.5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		604155		
42	16.7	13.8	20.6		
71	31.6	25.5	38.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

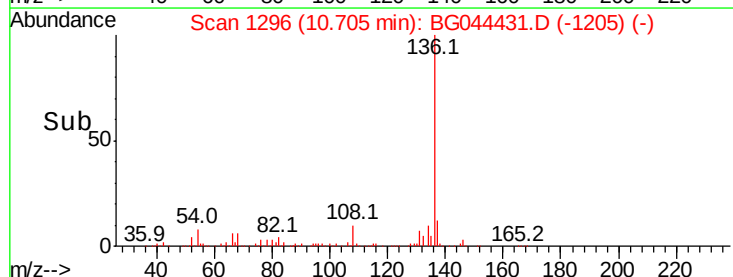
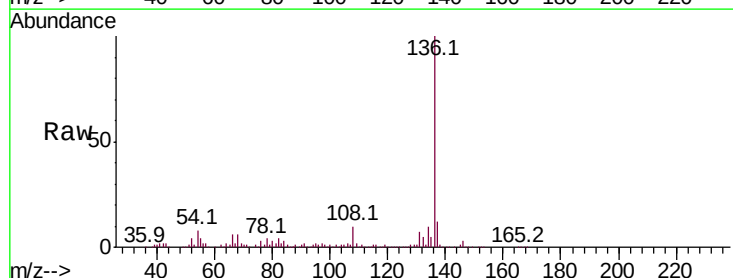
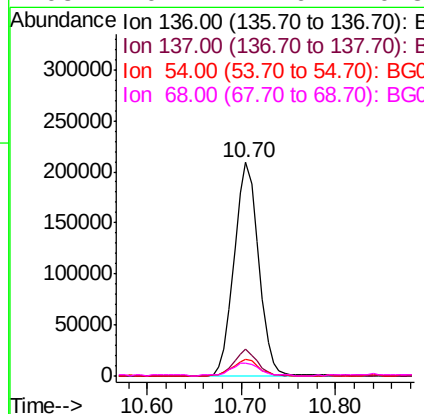
RT: 10.70 min Scan# 1296

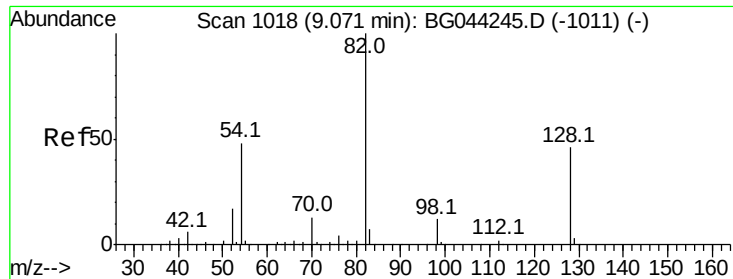
Delta R.T. 0.00 min

Lab File: BG044431.D

Acq: 13 Feb 2020 23:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		379352		
137	12.5	8.8	13.2		
54	7.9	5.8	8.8		
68	6.1	4.6	6.8		





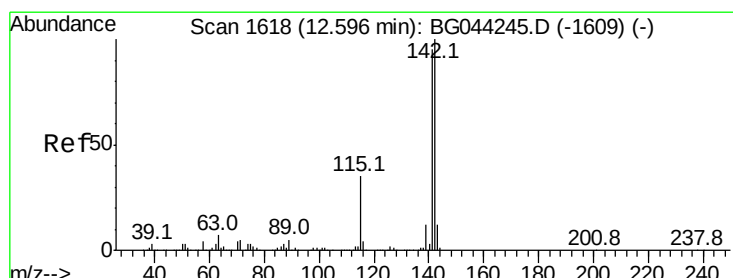
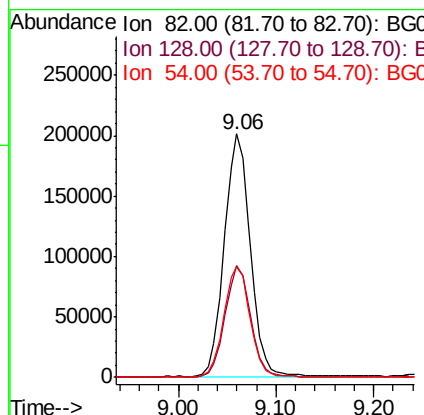
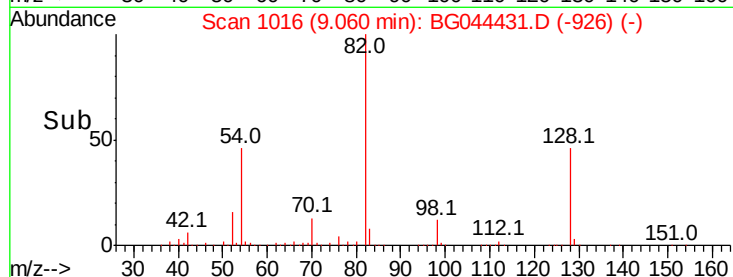
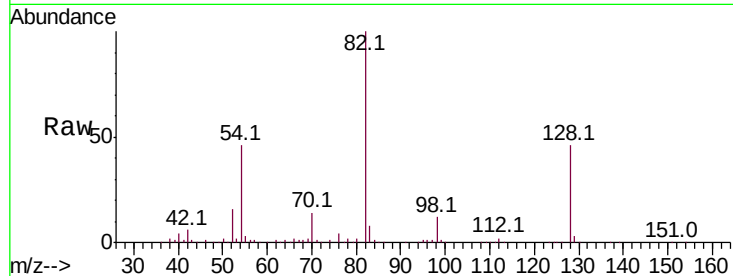
#23
Nitrobenzene-d5
Concen: 54.888 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG044431.D
Acq: 13 Feb 2020 23:54

Instrument :
BNA_G
ClientSampleId :
SB-2A-(13.5-15.5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.5	54.7
54	45.5	38.6	58.0

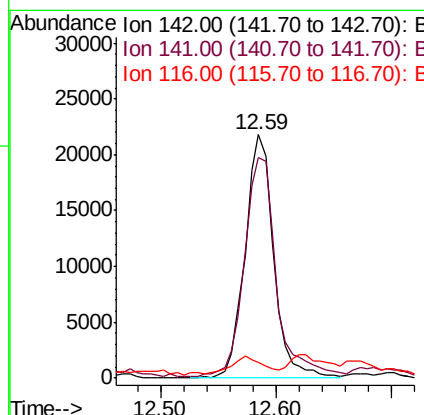
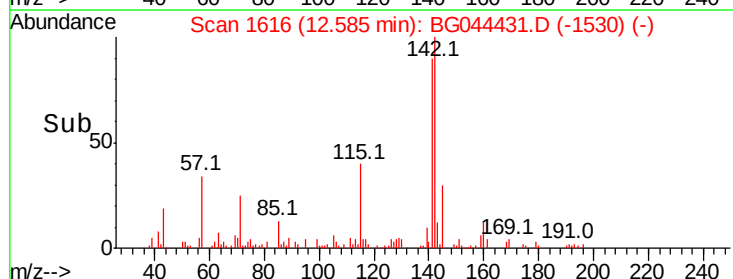
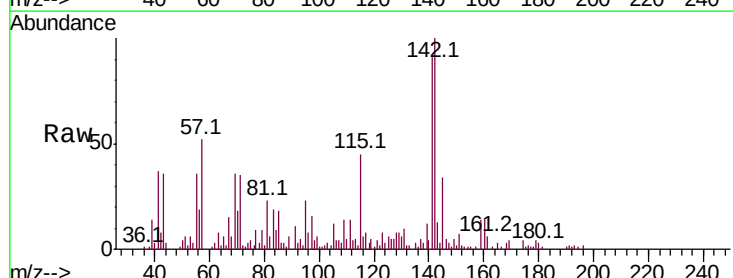
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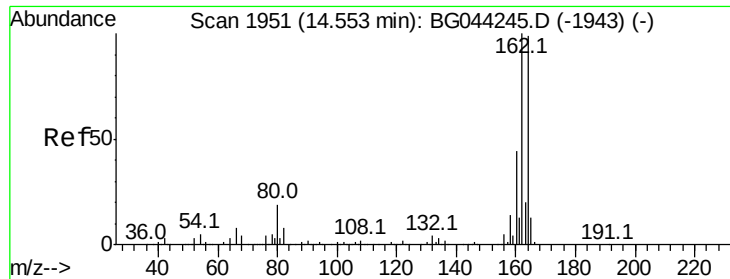
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#38
1-Methylnaphthalene
Concen: 2.922 ng
RT: 12.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: BG044431.D
Acq: 13 Feb 2020 23:54

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.8	75.8	113.6
116	6.3	3.1	4.7#





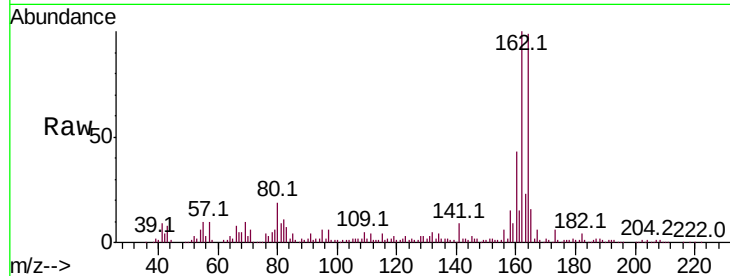
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.55 min Scan# 1950
Delta R.T. 0.00 min
Lab File: BG044431.D
Acq: 13 Feb 2020 23:54

Instrument :
BNA_G
ClientSampleId :
SB-2A-(13.5-15.5)

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.7	121.1
160	43.5	35.3	52.9

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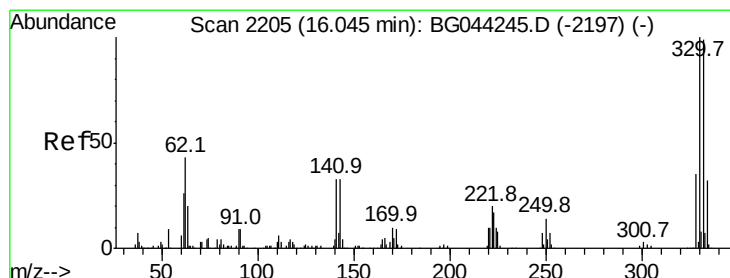
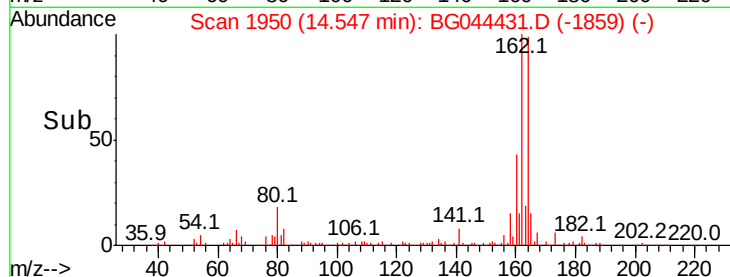
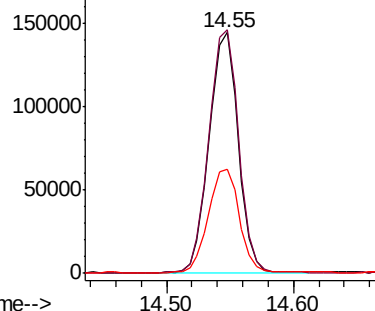


Abundance

Ion 164.00 (163.70 to 164.70): E

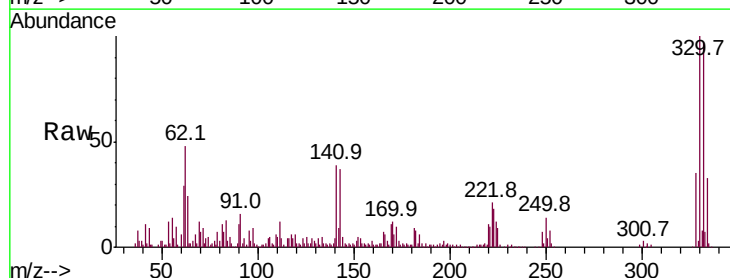
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 75.817 ng
RT: 16.03 min Scan# 2203
Delta R.T. 0.00 min
Lab File: BG044431.D
Acq: 13 Feb 2020 23:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.2	115.8
141	39.9	28.3	42.5

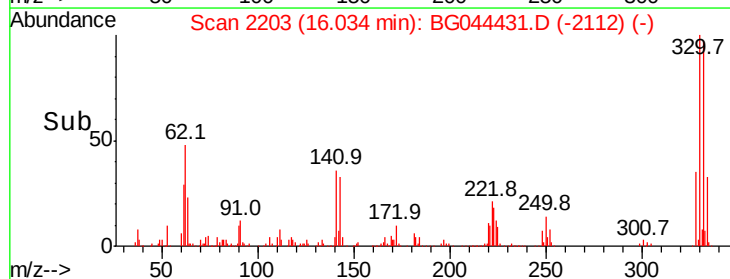
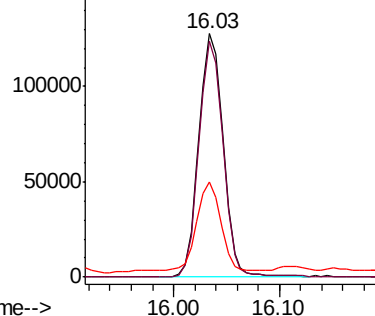


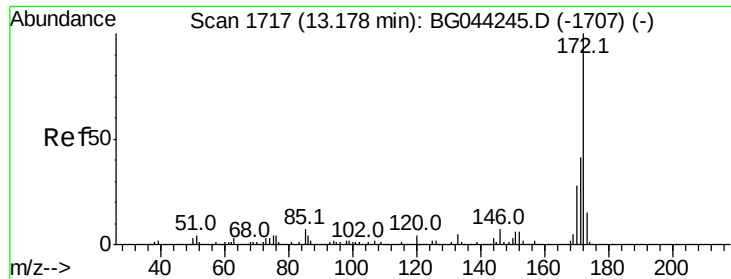
Abundance

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





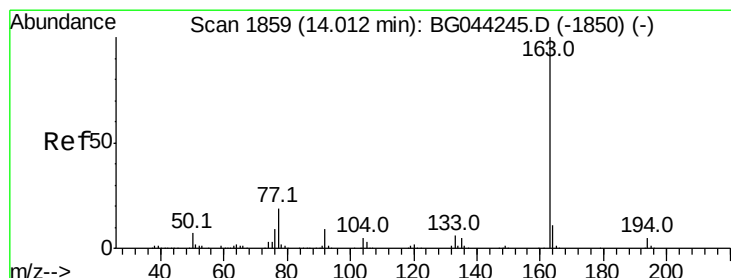
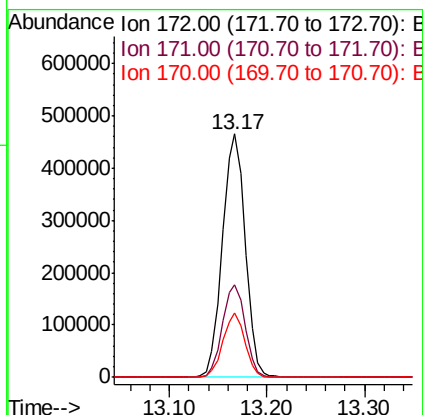
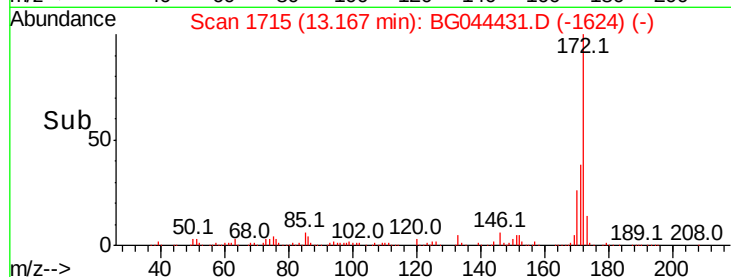
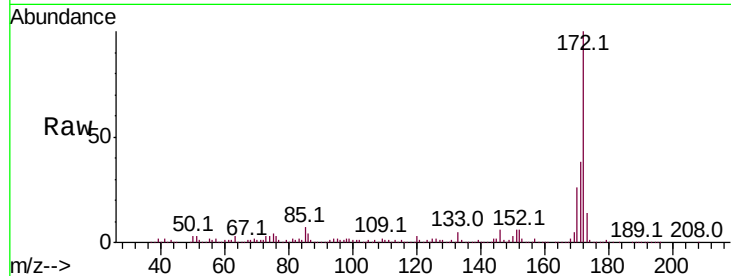
#45
2-Fluorobiphenyl
Concen: 55.141 ng
RT: 13.17 min Scan# 1715
Delta R.T. 0.00 min
Lab File: BG044431.D
Acq: 13 Feb 2020 23:54

Instrument :
BNA_G
ClientSampleId :
SB-2A-(13.5-15.5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	32.9	49.3
170	26.3	22.0	33.0

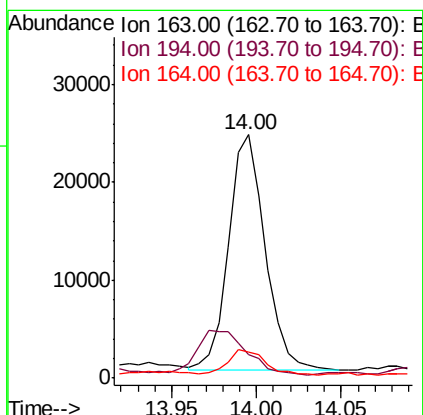
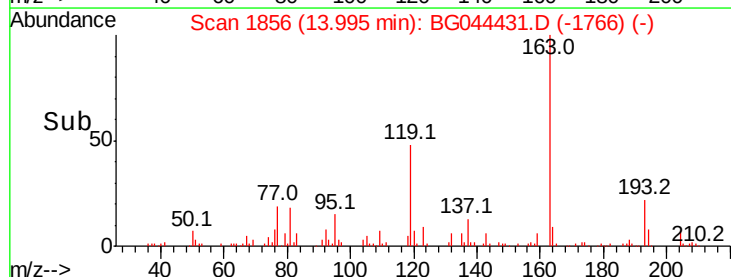
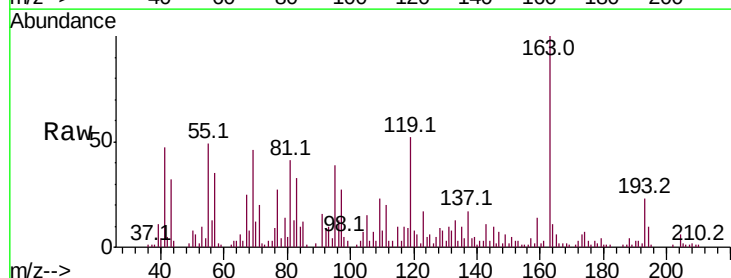
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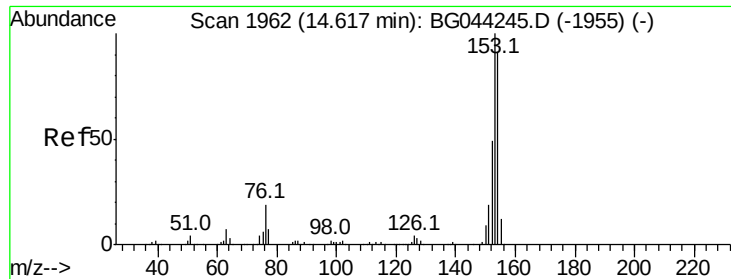
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#50
Dimethylphthalate
Concen: 2.201 ng
RT: 14.00 min Scan# 1856
Delta R.T. -0.00 min
Lab File: BG044431.D
Acq: 13 Feb 2020 23:54

Tgt Ion	Ratio	Lower	Upper
163	100		
194	9.8	3.6	5.4#
164	10.9	8.7	13.1





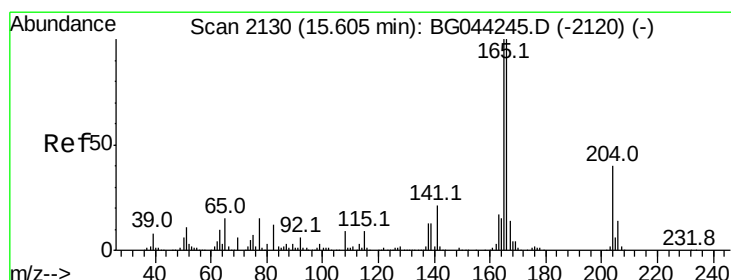
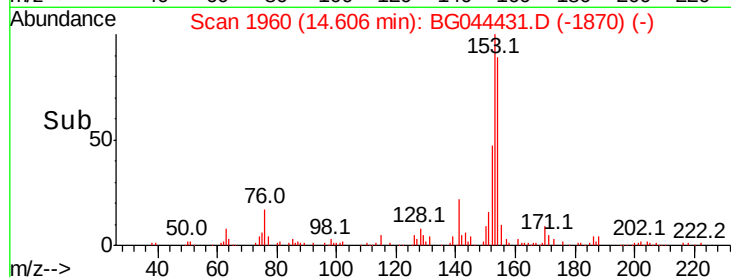
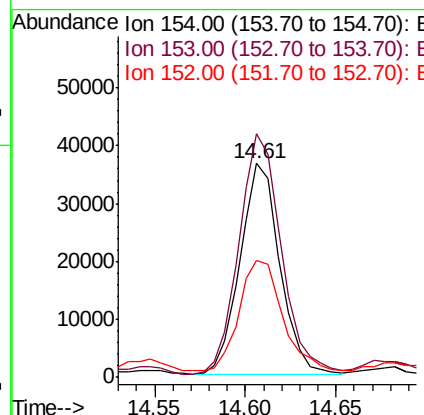
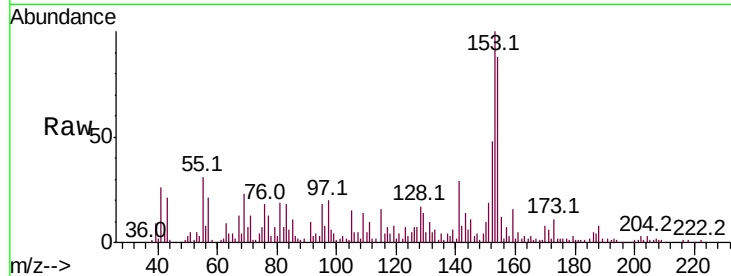
#52
Acenaphthene
Concen: 4.445 ng
RT: 14.61 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BG044431.D
Acq: 13 Feb 2020 23:54

Instrument :
BNA_G
ClientSampleId :
SB-2A-(13.5-15.5)

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.8	87.9	131.9
152	54.4	43.1	64.7

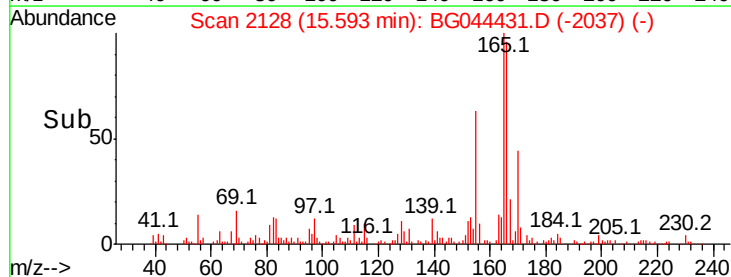
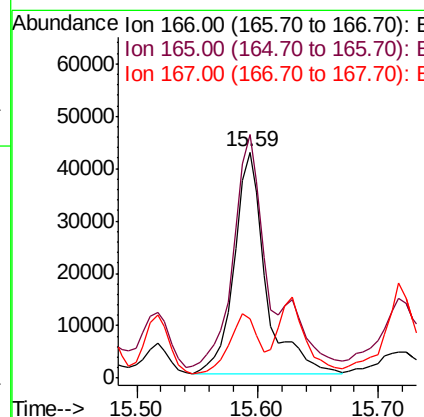
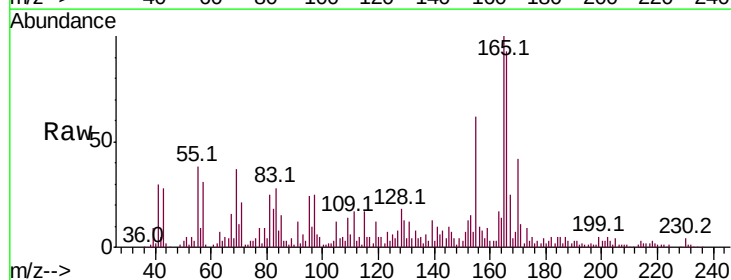
Manual Integrations
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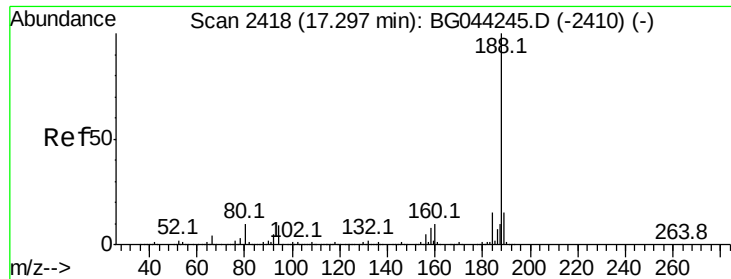
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#58
Fluorene
Concen: 5.176 ng
RT: 15.59 min Scan# 2128
Delta R.T. 0.00 min
Lab File: BG044431.D
Acq: 13 Feb 2020 23:54

Tgt Ion	Ratio	Lower	Upper
166	100		
165	107.6	79.9	119.9
167	26.5	11.4	17.0#





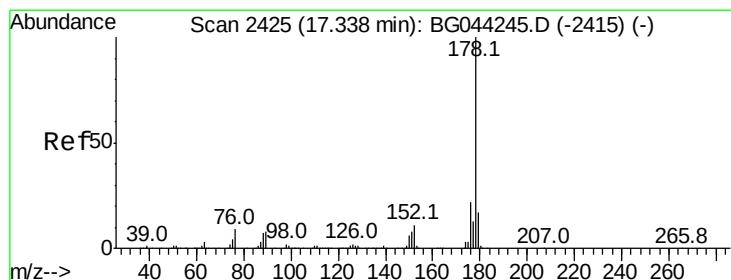
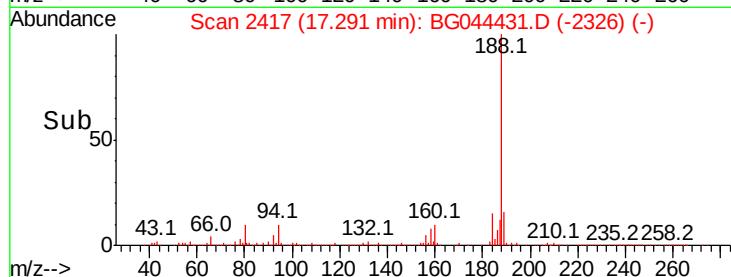
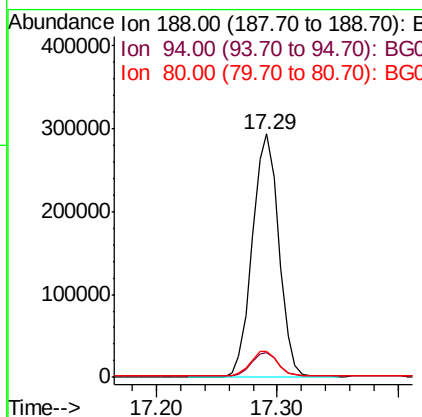
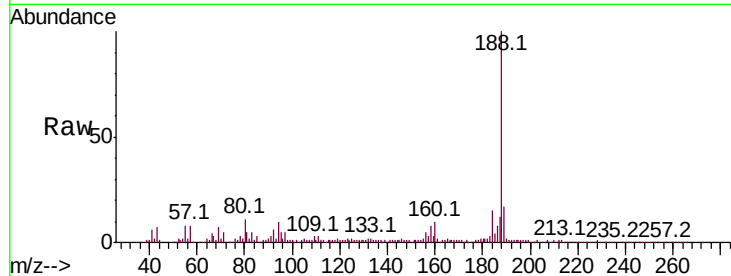
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.29 min Scan# 2417
Delta R.T. 0.00 min
Lab File: BG044431.D
Acq: 13 Feb 2020 23:54

Instrument :
BNA_G
ClientSampleId :
SB-2A-(13.5-15.5)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.3	7.4	11.2
80	10.5	7.7	11.5

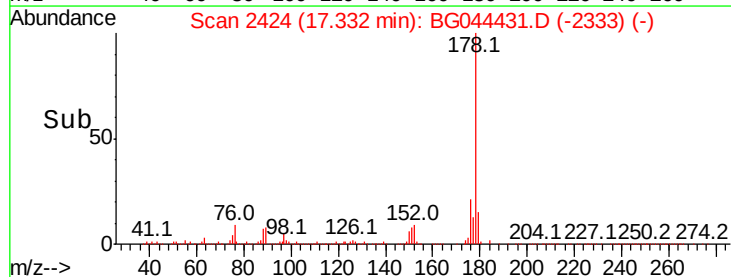
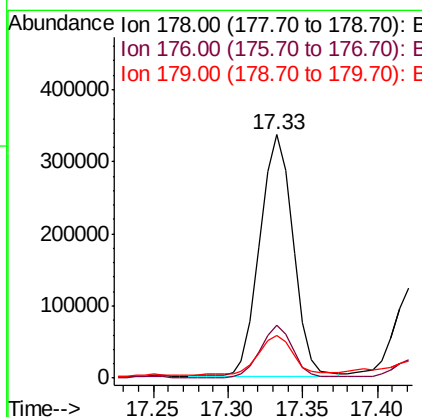
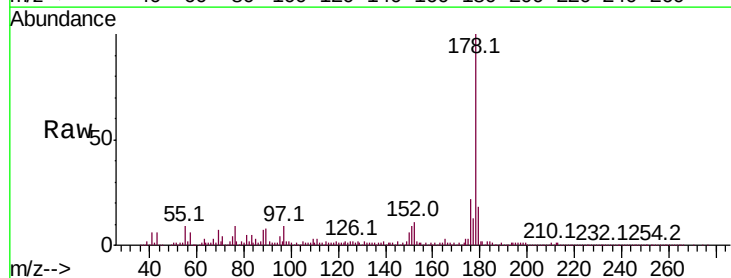
Manual Integrations
APPROVED

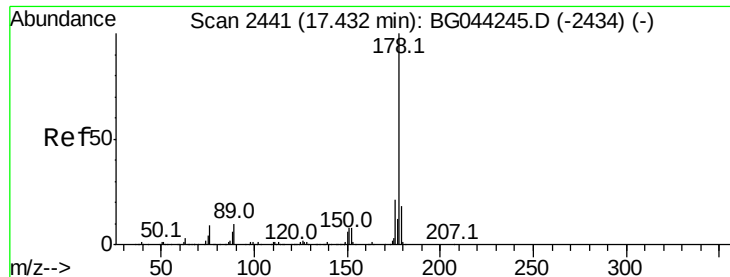
mohammad
2/17/2020 3:45:40 PM



#71
Phenanthrene
Concen: 23.744 ng
RT: 17.33 min Scan# 2424
Delta R.T. 0.00 min
Lab File: BG044431.D
Acq: 13 Feb 2020 23:54

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	21.6	17.7	26.5
179	17.7	13.7	20.5





#72

Anthracene

Concen: 8.898 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.00 min

Lab File: BG044431.D

Acq: 13 Feb 2020 23:54

Instrument :

BNA_G

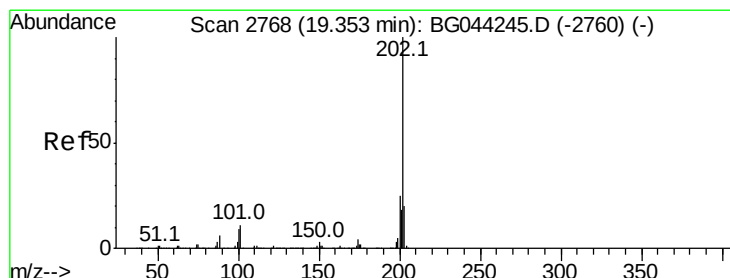
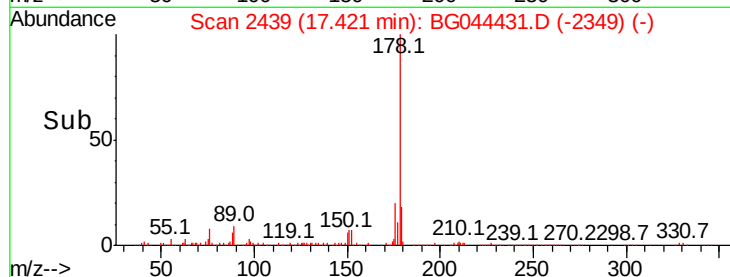
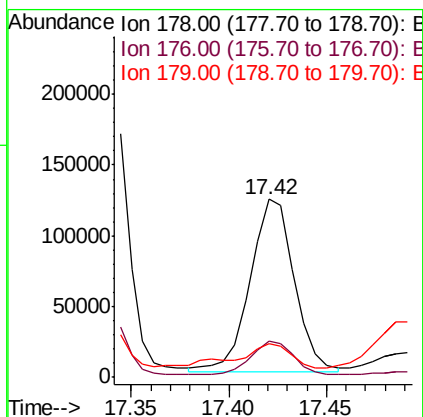
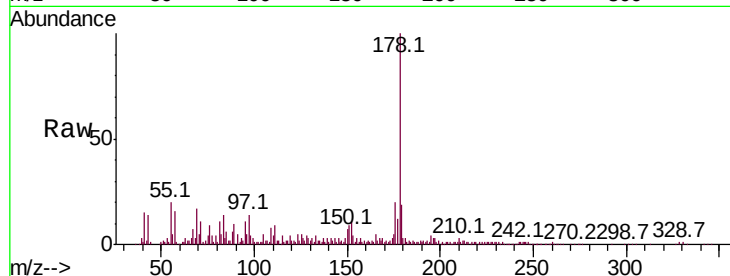
ClientSampleId :

SB-2A-(13.5-15.5)

Tot Ion:	178	Resp:	191881
Ion Ratio	Lower	Upper	
178	100		
176	20.2	17.0	25.4
179	19.3	14.4	21.6

Manual Integrations
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#75

Fluoranthene

Concen: 26.387 ng

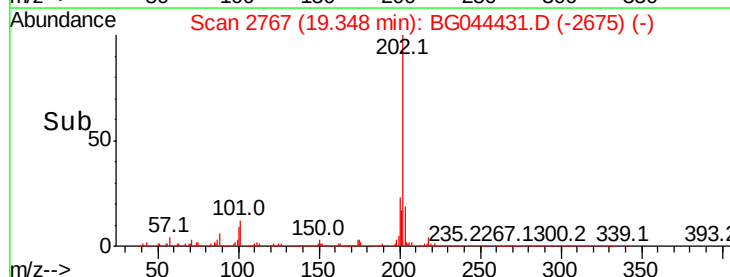
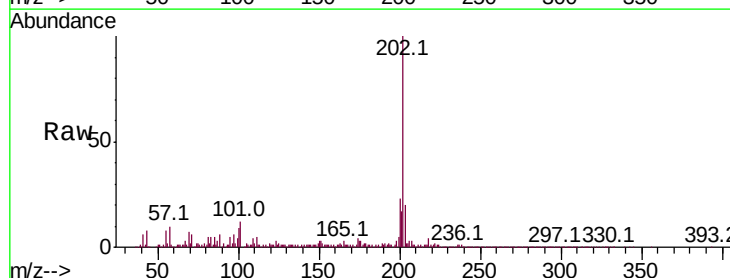
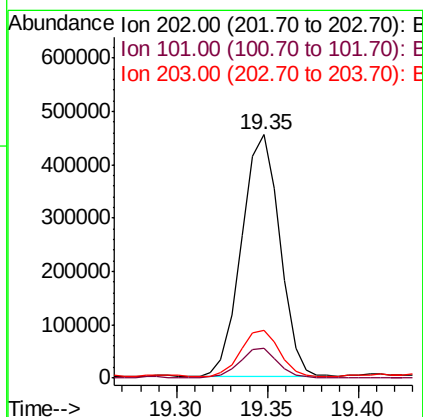
RT: 19.35 min Scan# 2767

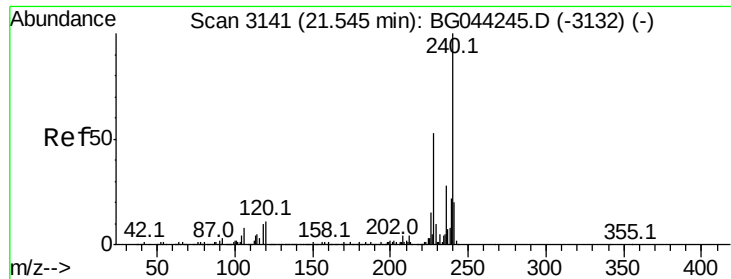
Delta R.T. 0.01 min

Lab File: BG044431.D

Acq: 13 Feb 2020 23:54

Tgt Ion:	202	Resp:	665812
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	31.3
203	19.6	0.0	39.9





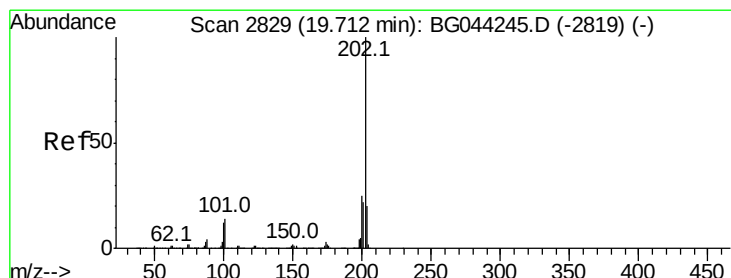
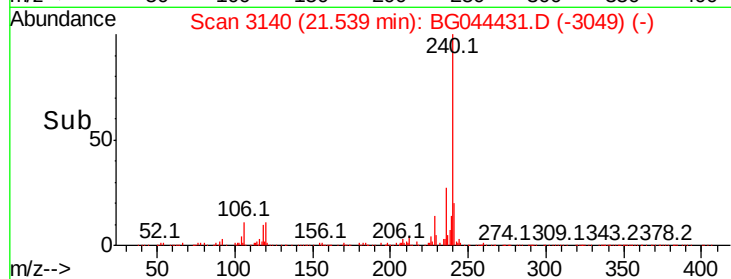
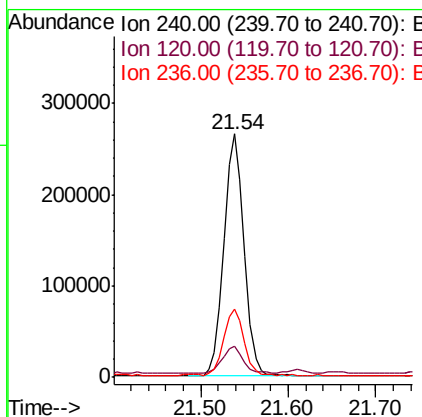
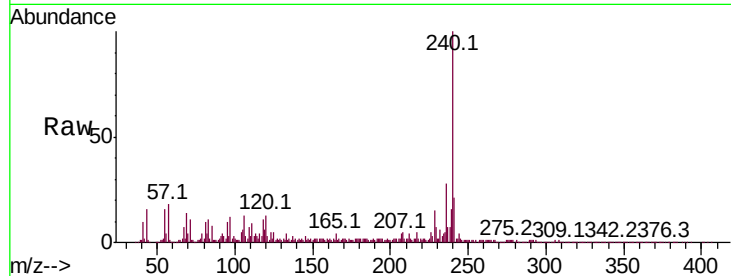
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.54 min Scan# 3140
Delta R.T. 0.00 min
Lab File: BG044431.D
Acq: 13 Feb 2020 23:54

Instrument :
BNA_G
ClientSampleId :
SB-2A-(13.5-15.5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.8	8.4	12.6#
236	27.9	22.1	33.1

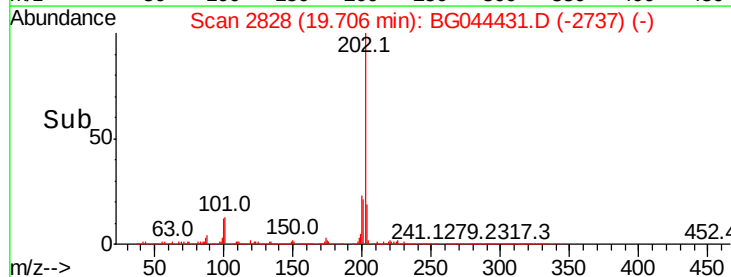
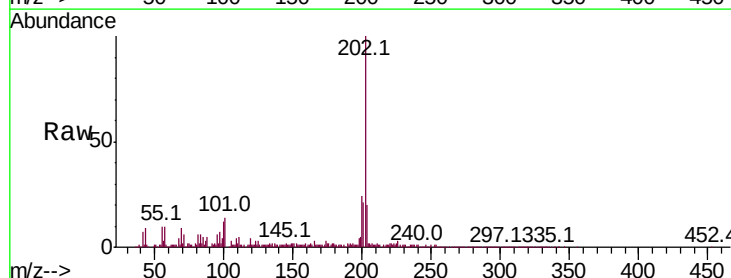
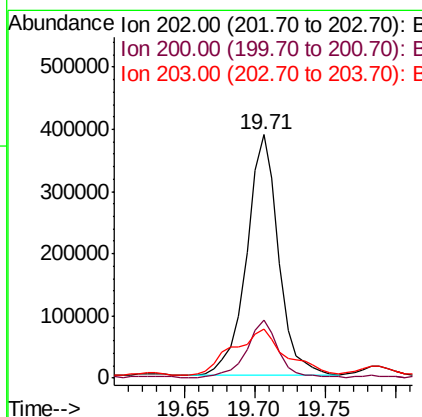
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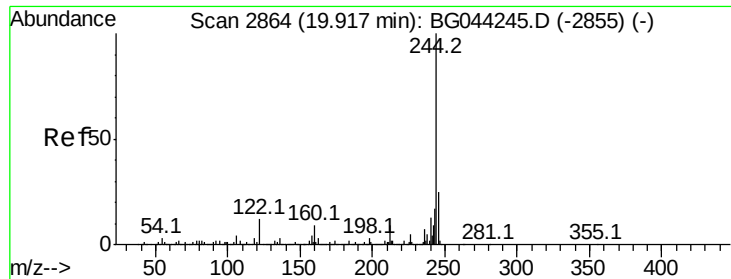
mohammad
2/17/2020 3:45:40 PM



#78
Pyrene
Concen: 22.768 ng
RT: 19.71 min Scan# 2828
Delta R.T. 0.00 min
Lab File: BG044431.D
Acq: 13 Feb 2020 23:54

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.6	20.0	30.0
203	20.1	16.2	24.2





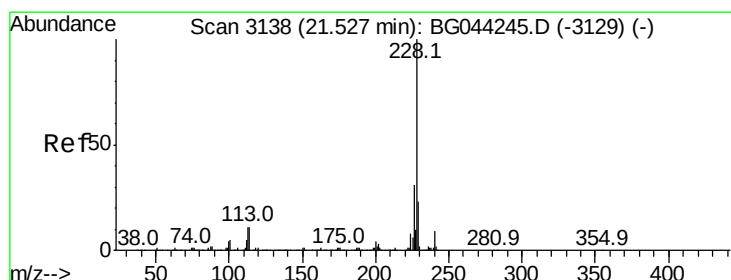
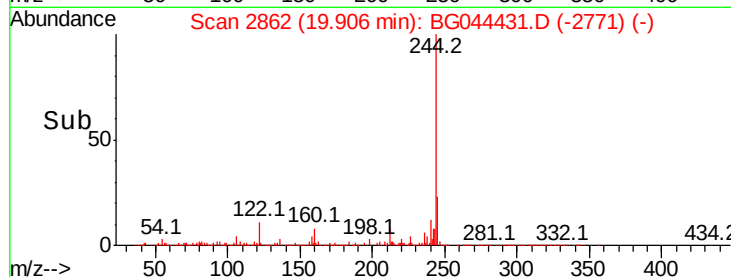
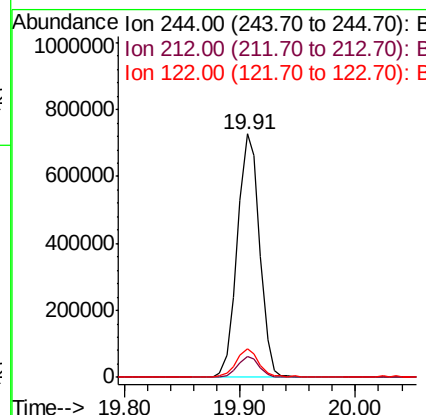
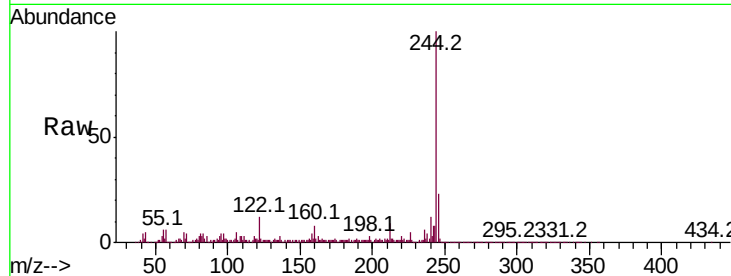
#79
 Terphenyl-d14
 Concen: 47.415 ng
 RT: 19.91 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: BG044431.D
 Acq: 13 Feb 2020 23:54

Instrument :
 BNA_G
 ClientSampleId :
 SB-2A-(13.5-15.5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.4	11.2
122	11.8	9.8	14.6

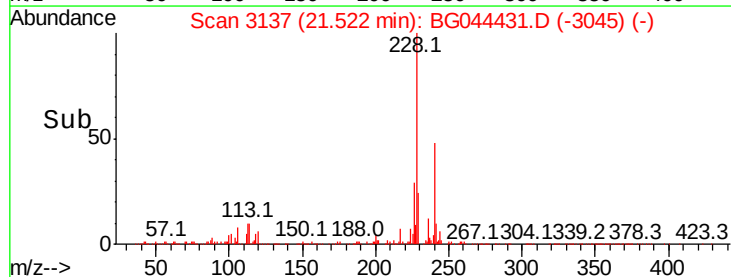
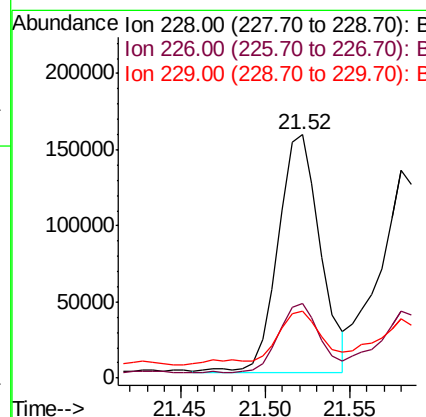
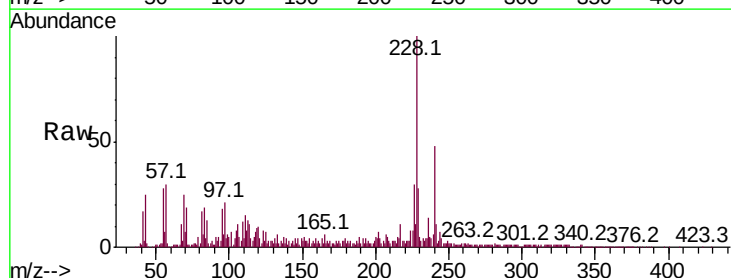
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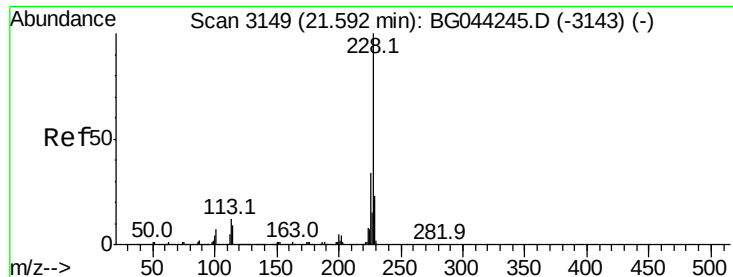
mohammad
 2/17/2020 3:45:40 PM



#81
 Benzo(a)anthracene
 Concen: 10.521 ng
 RT: 21.52 min Scan# 3137
 Delta R.T. 0.01 min
 Lab File: BG044431.D
 Acq: 13 Feb 2020 23:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.7	37.1
229	27.6	18.2	27.4





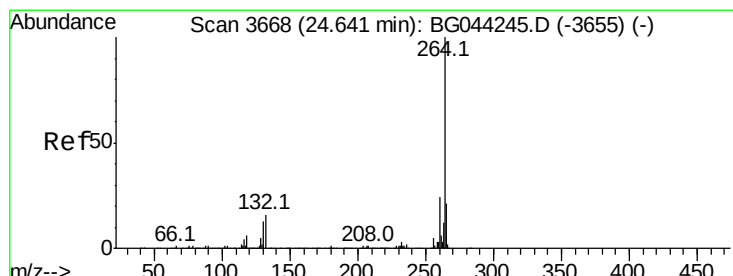
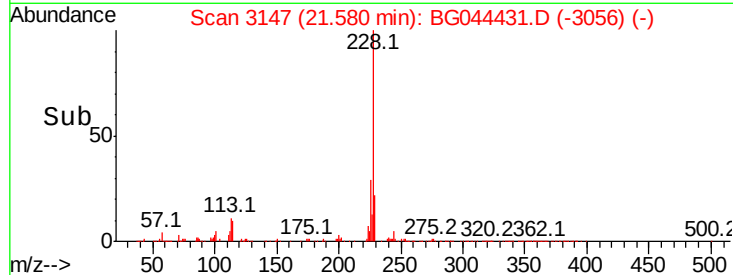
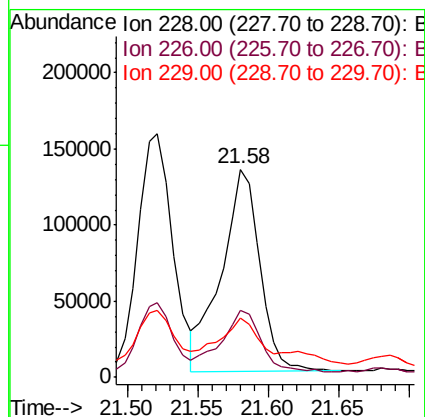
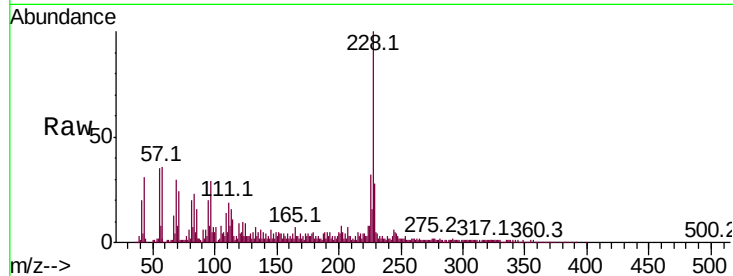
#83
Chrysene
Concen: 10.140 ng
RT: 21.58 min Scan# 3147
Delta R.T. 0.00 min
Lab File: BG044431.D
Acq: 13 Feb 2020 23:54

Instrument :
BNA_G
ClientSampleId :
SB-2A-(13.5-15.5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.0	27.1	40.7
229	28.3	17.9	26.9

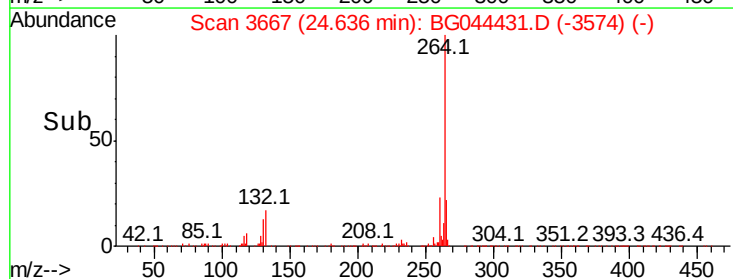
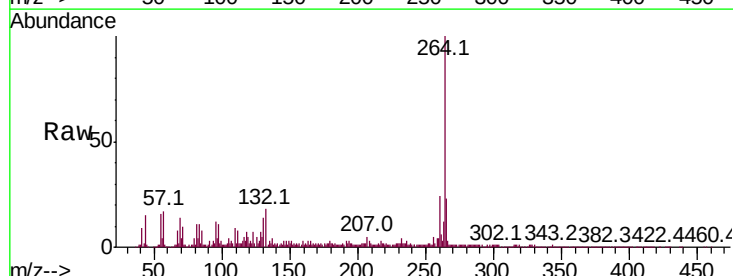
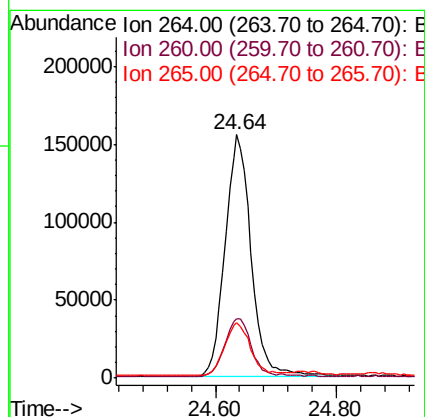
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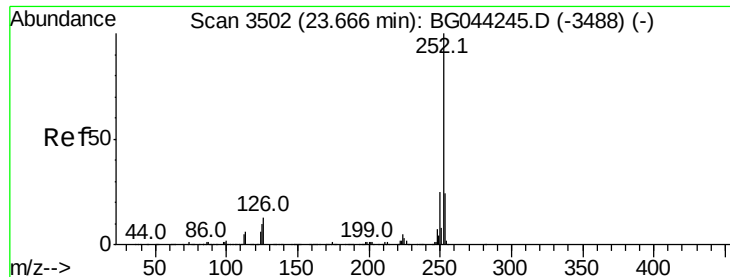
mohammad
2/17/2020 3:45:40 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.64 min Scan# 3667
Delta R.T. 0.01 min
Lab File: BG044431.D
Acq: 13 Feb 2020 23:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	22.9	16.7	25.1





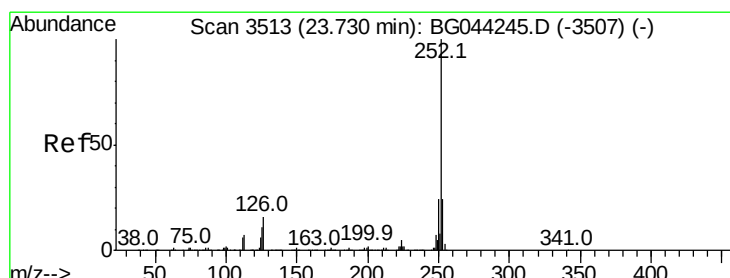
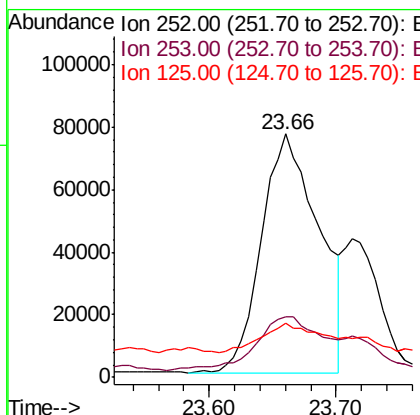
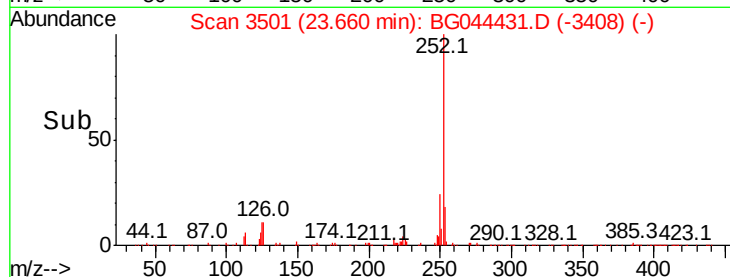
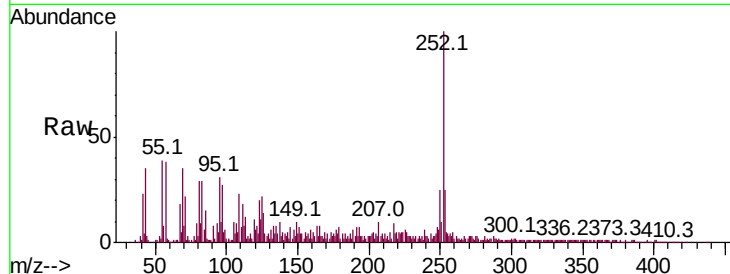
#88
Benzo(b)fluoranthene
Concen: 8.972 ng
RT: 23.66 min Scan# 3501
Delta R.T. 0.01 min
Lab File: BG044431.D
Acq: 13 Feb 2020 23:54

Instrument :
BNA_G
ClientSampleId :
SB-2A-(13.5-15.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	19.2	28.8
125	22.2	8.4	12.6

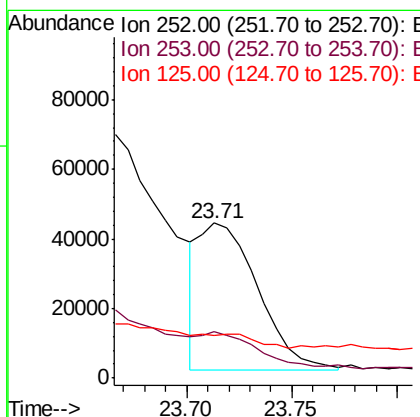
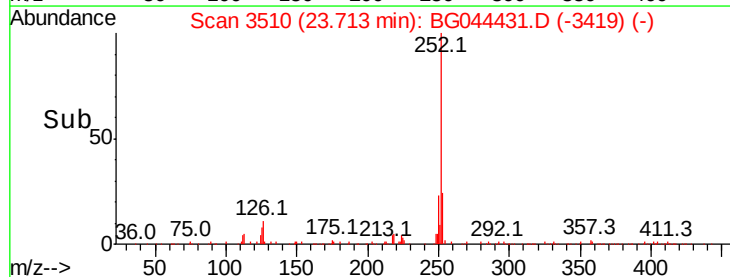
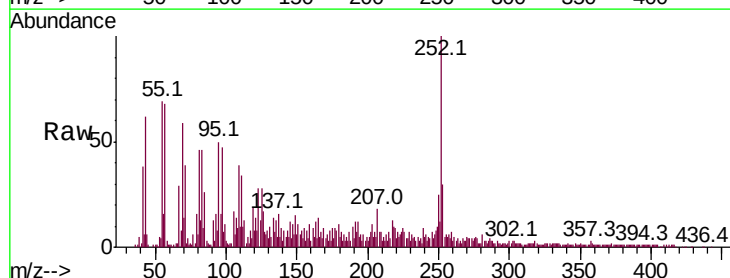
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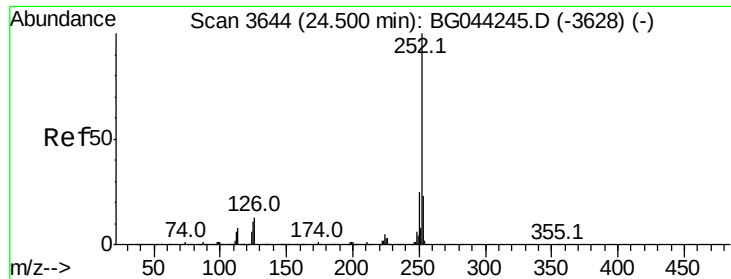
mohammad
2/17/2020 3:45:40 PM



#89
Benzo(k)fluoranthene
Concen: 3.098 ng m
RT: 23.71 min Scan# 3510
Delta R.T. 0.00 min
Lab File: BG044431.D
Acq: 13 Feb 2020 23:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.7	19.1	28.7
125	27.6	8.6	12.8





#90

Benzo(a)pyrene

Concen: 6.710 ng

RT: 24.49 min Scan# 3642

Delta R.T. 0.01 min

Lab File: BG044431.D

Acq: 13 Feb 2020 23:54

Instrument :

BNA_G

ClientSampleId :

SB-2A-(13.5-15.5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	26.3	18.1	27.1		
125	21.8	8.6	13.0		

Manual Integrations
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mohammad
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