

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110419\
 Data File : BG043499.D
 Acq On : 5 Nov 2019 5:32
 Operator : JU
 Sample : K5497-07DL 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 168-74-(0-1)DL

Manual Integrations
 APPROVED

mohammad
 11/5/2019 10:41:16 AM

Quant Time: Nov 05 06:09:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	42220	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	157461	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	115921	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	277870	20.00	ng	0.00
76) Chrysene-d12	21.66	240	305417	20.00	ng	0.00
87) Perylene-d12	24.86	264	372200	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	97629	42.37	ng	0.00
7) Phenol-d6	7.19	99	136639	41.22	ng	0.00
23) Nitrobenzene-d5	9.17	82	81047	26.54	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	88140	39.96	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	196526	23.43	ng	0.00
79) Terphenyl-d14	20.00	244	366299	22.50	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.09	163	24014	2.674	ng	99
71) Phenanthrene	17.43	178	396113	27.838	ng	100
72) Anthracene	17.52	178	111102	7.804	ng	97
75) Fluoranthene	19.44	202	1211144	65.290	ng	97
78) Pyrene	19.80	202	1062370	56.195	ng	97
81) Benzo(a)anthracene	21.64	228	693732	36.262	ng	99
83) Chrysene	21.70	228	569800	29.977	ng	97
86) Indeno(1,2,3-cd)pyrene	28.49	276	284464	11.922	ng	# 92
88) Benzo(b)fluoranthene	23.85	252	748036	35.485	ng	100
89) Benzo(k)fluoranthene	23.90	252	281132m	13.247	ng	
90) Benzo(a)pyrene	24.71	252	547538	27.200	ng	95
91) Dibenzo(a,h)anthracene	28.55	278	78319	3.804	ng	93
92) Benzo(a,h,i)perylene	29.64	276	231576	11.402	ng	97

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

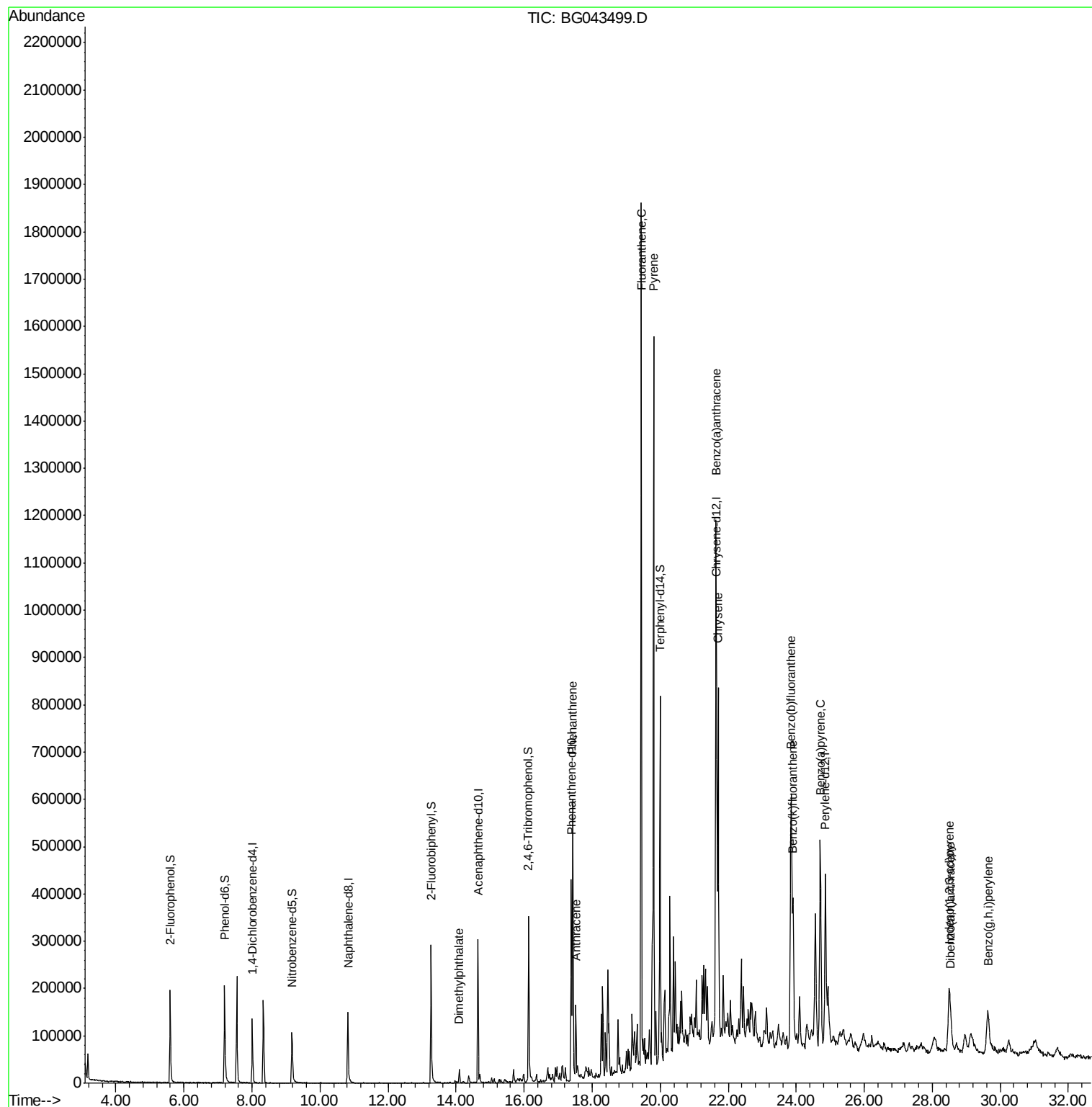
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110419\
Data File : BG043499.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 04 15:22:15 2019
Response via : Initial Calibration





#1

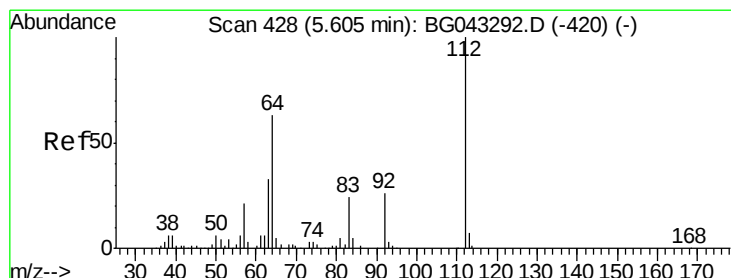
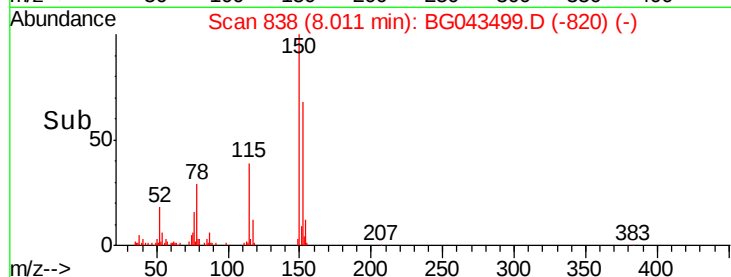
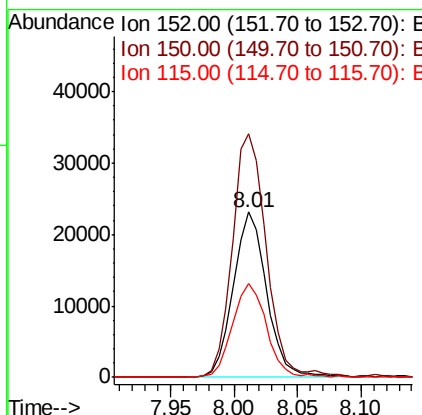
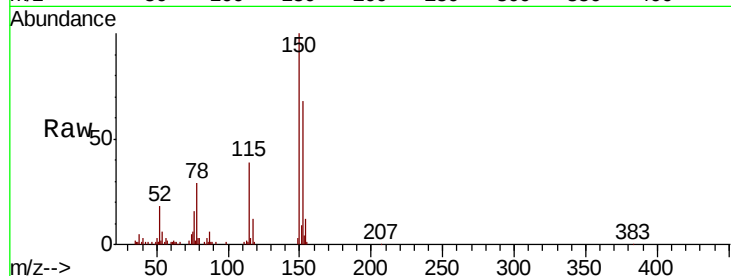
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.00 min
Lab File: BG043499.D
Acq: 5 Nov 2019 5:32

Instrument :
BNA_G
ClientSampleId :
168-74-(0-1)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.6	129.4	194.0
115	57.0	48.8	73.2

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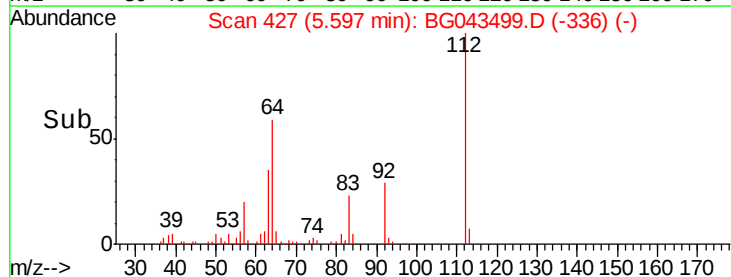
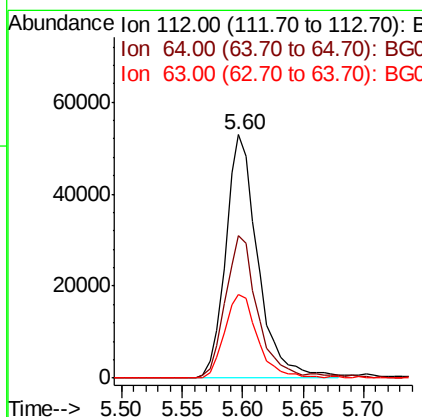
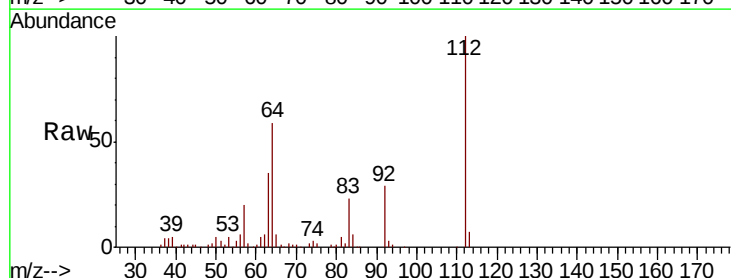
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#5

2-Fluorophenol
Concen: 42.373 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.00 min
Lab File: BG043499.D
Acq: 5 Nov 2019 5:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	50.0	75.0
63	34.5	26.6	40.0





#7

Phenol-d6

Concen: 41.219 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG043499.D

Acq: 5 Nov 2019 5:32

Instrument :

BNA_G

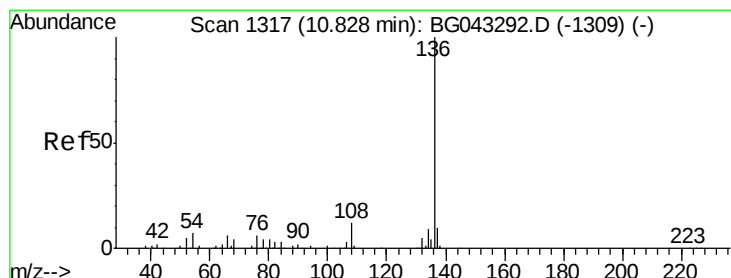
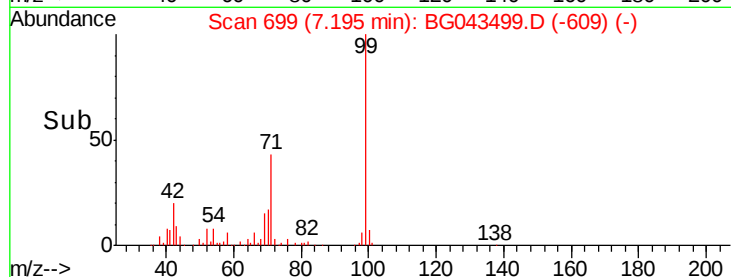
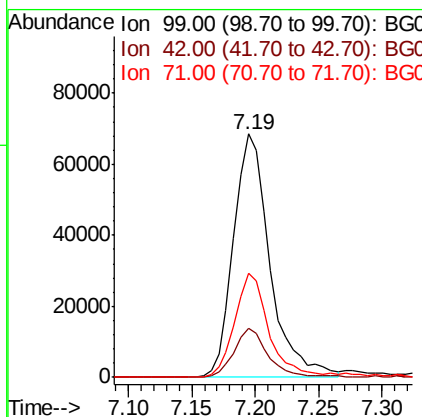
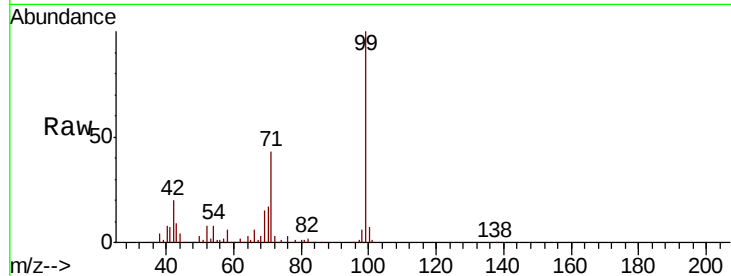
ClientSampleId :

168-74-(0-1)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		136639		
42	19.9	14.6	21.8		
71	42.5	32.5	48.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

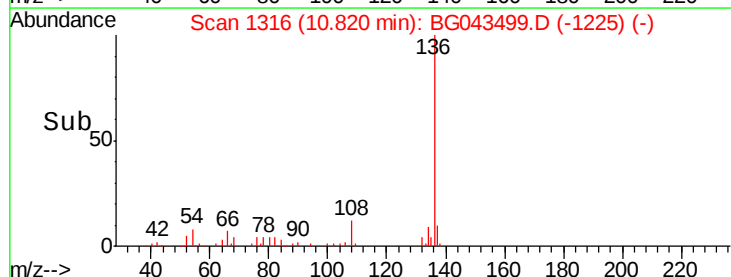
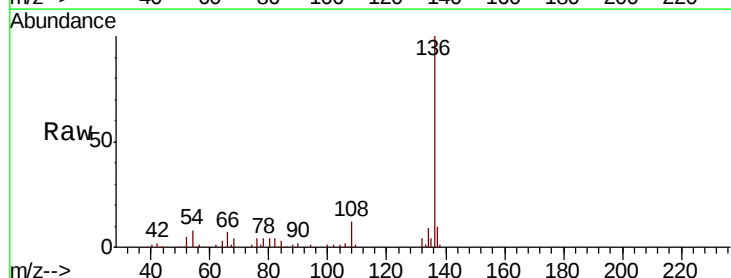
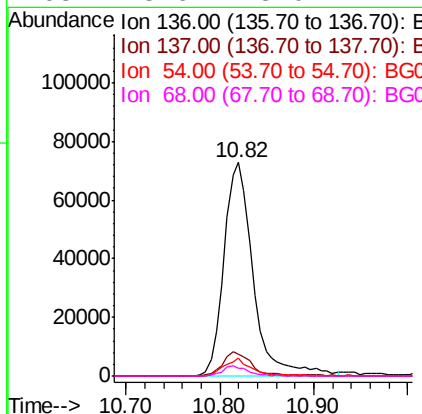
RT: 10.82 min Scan# 1316

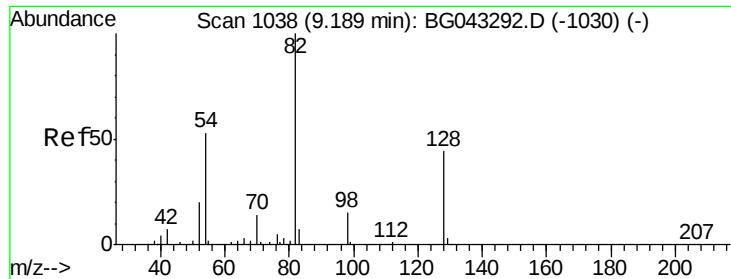
Delta R.T. 0.00 min

Lab File: BG043499.D

Acq: 5 Nov 2019 5:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		157461		
137	10.5	8.7	13.1		
54	8.2	5.4	8.2#		
68	3.6	3.0	4.4		





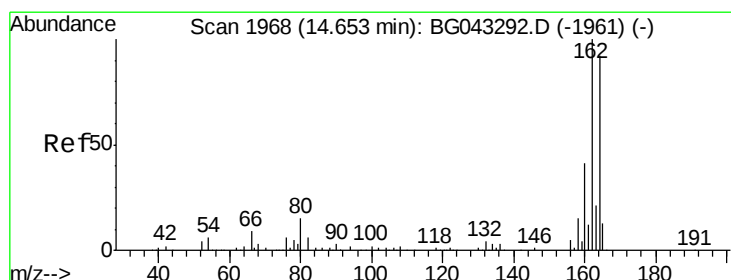
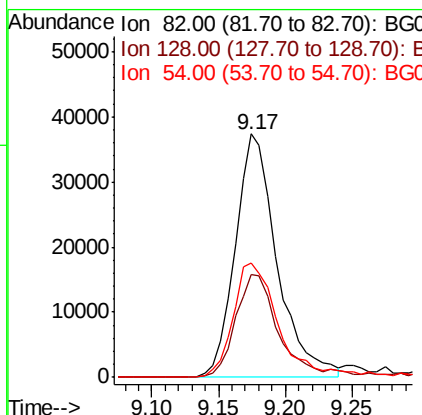
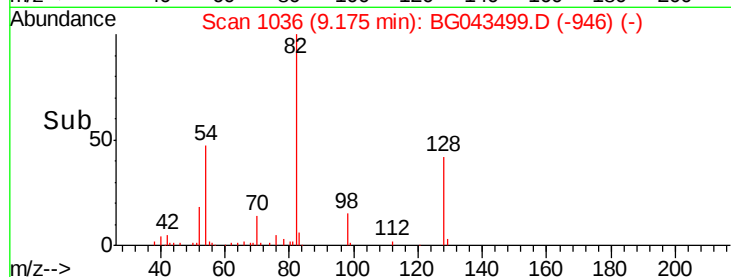
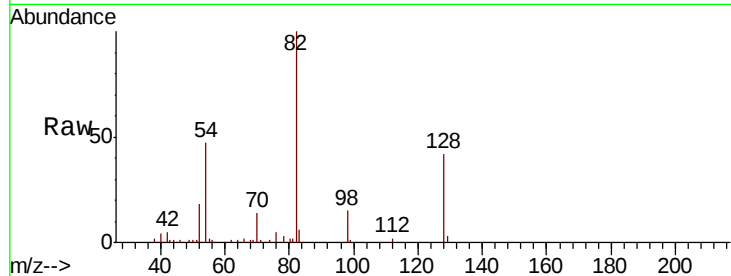
#23
Nitrobenzene-d5
Concen: 26.536 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG043499.D
Acq: 5 Nov 2019 5:32

Instrument :
BNA_G
ClientSampleId :
168-74-(0-1)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.1	35.0	52.6
54	47.1	40.2	60.2

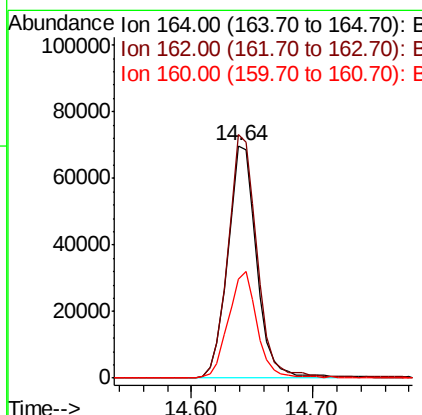
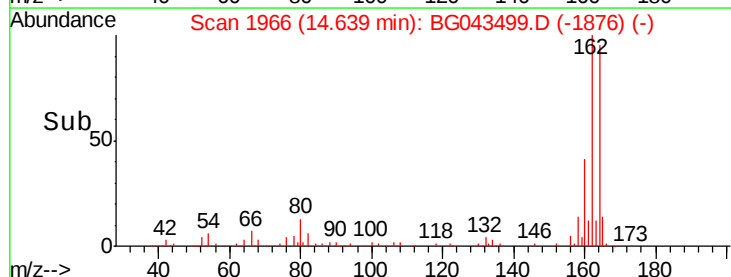
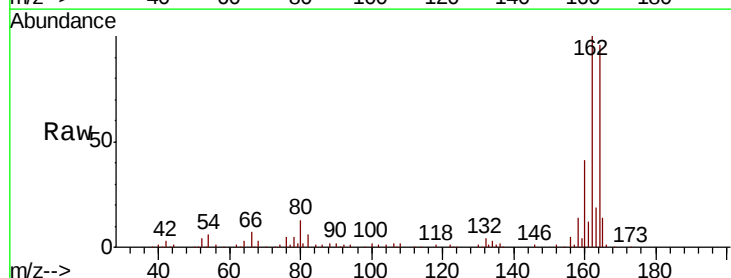
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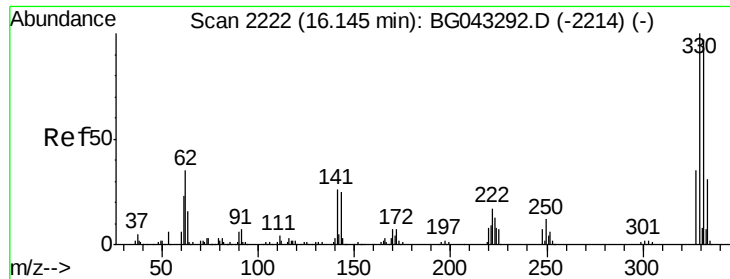
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.00 min
Lab File: BG043499.D
Acq: 5 Nov 2019 5:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	83.5	125.3
160	42.7	36.5	54.7





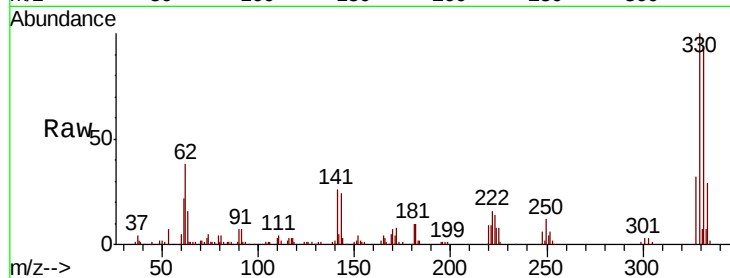
#42
 2,4,6-Tribromophenol
 Concen: 39.955 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. 0.00 min
 Lab File: BG043499.D
 Acq: 5 Nov 2019 5:32

Instrument :
 BNA_G
 ClientSampleId :
 168-74-(0-1)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.4	116.0
141	28.1	22.8	34.2

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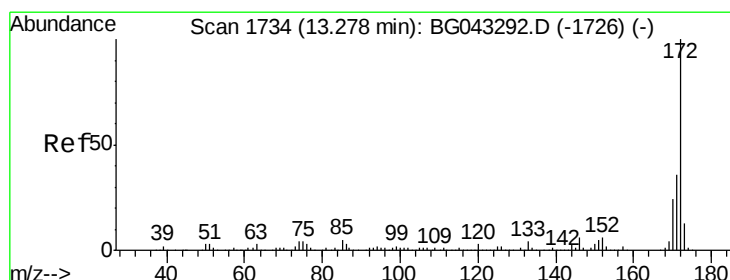
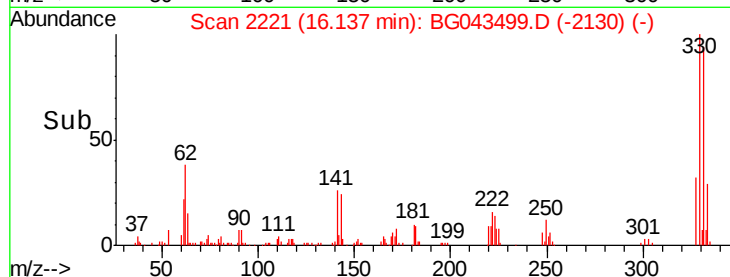
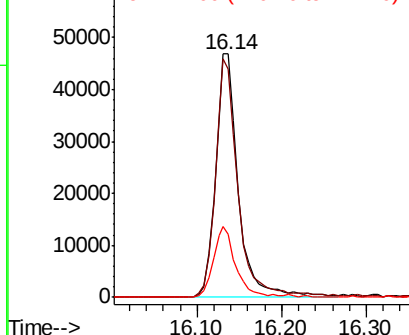


Abundance

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: 23.426 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: BG043499.D
 Acq: 5 Nov 2019 5:32

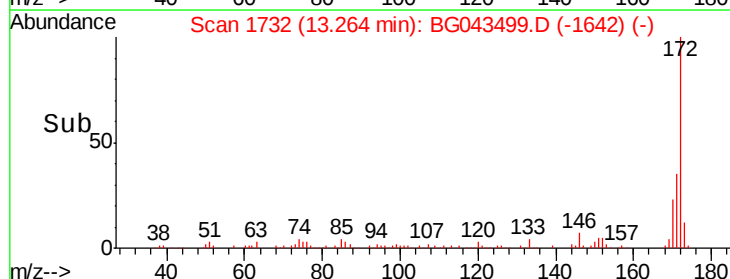
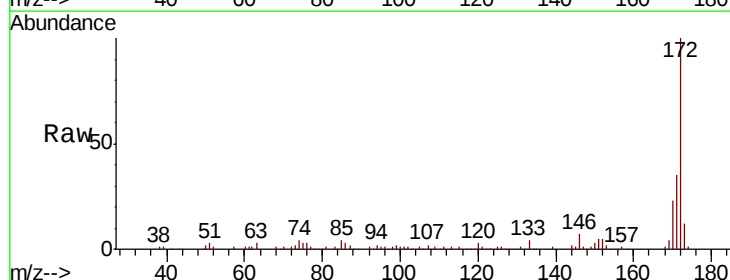
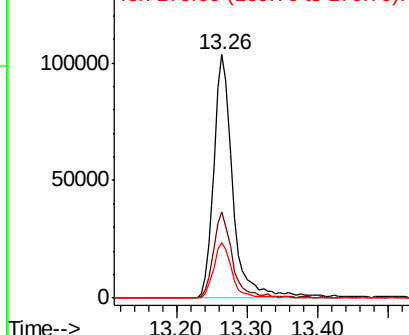
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.9	43.3
170	22.5	18.5	27.7

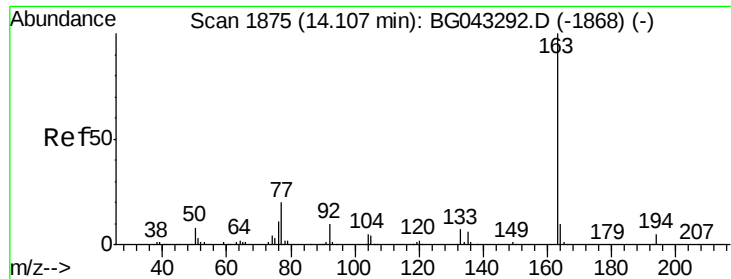
Abundance

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





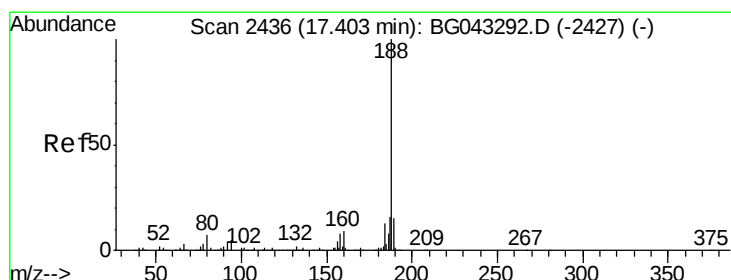
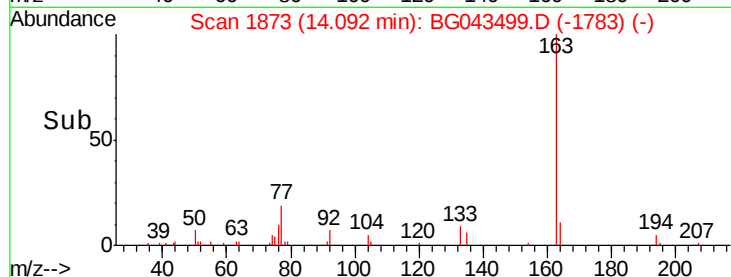
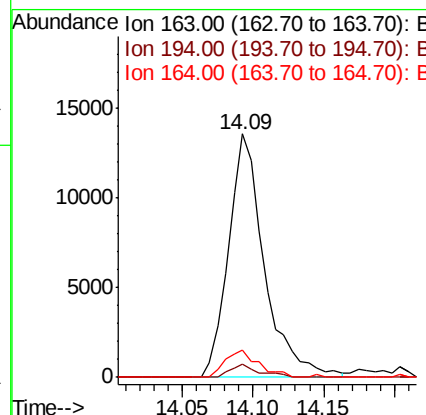
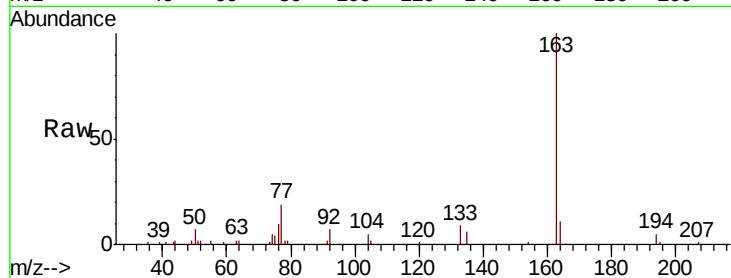
#50
Dimethylphthalate
Concen: 2.674 ng
RT: 14.09 min Scan# 1873
Delta R.T. -0.00 min
Lab File: BG043499.D
Acq: 5 Nov 2019 5:32

Instrument :
BNA_G
ClientSampleId :
168-74-(0-1)DL

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.4	3.8	5.6
164	11.5	8.9	13.3

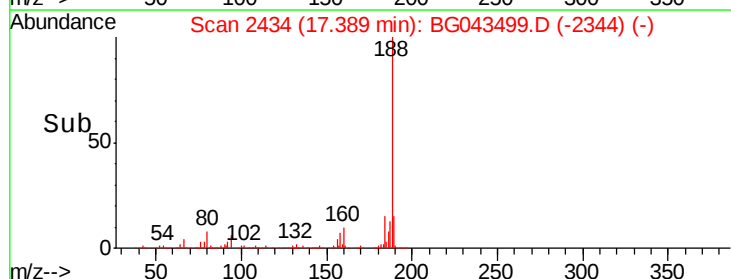
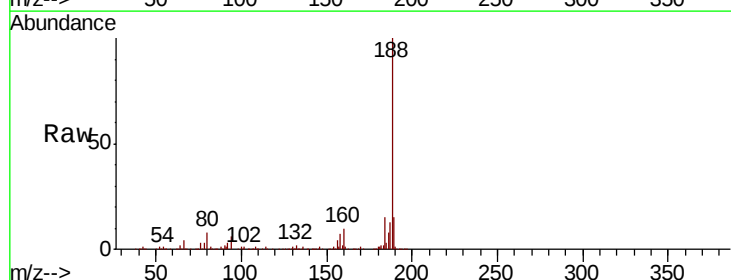
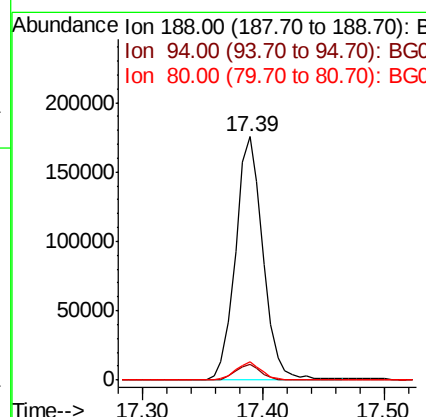
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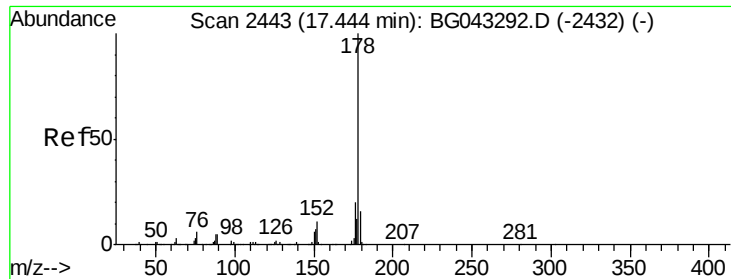
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2434
Delta R.T. -0.00 min
Lab File: BG043499.D
Acq: 5 Nov 2019 5:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.3	4.2	6.4
80	7.6	4.5	6.7#





#71

Phenanthrene

Concen: 27.838 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.00 min

Lab File: BG043499.D

Acq: 5 Nov 2019 5:32

Instrument :

BNA_G

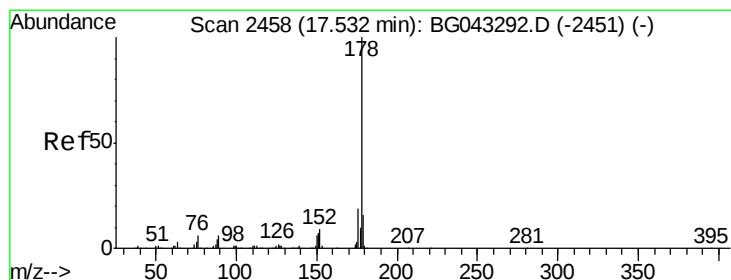
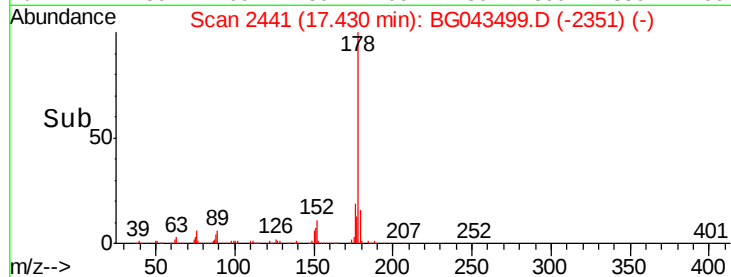
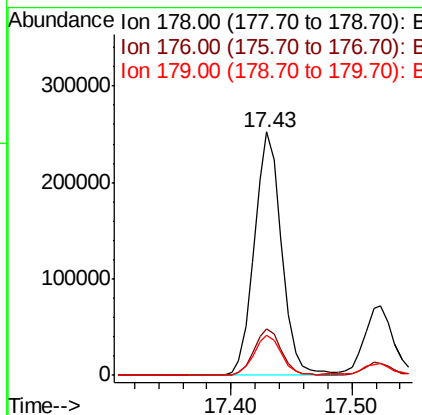
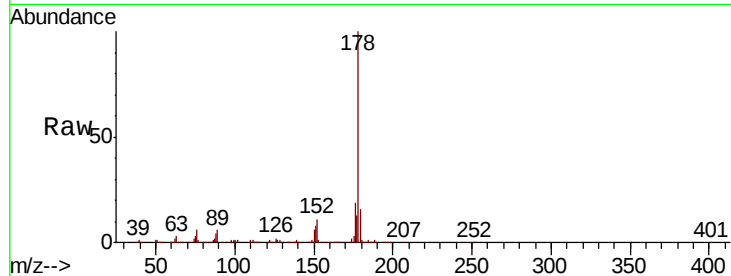
ClientSampleId :

168-74-(0-1)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	16.3	13.0	19.6

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#72

Anthracene

Concen: 7.804 ng

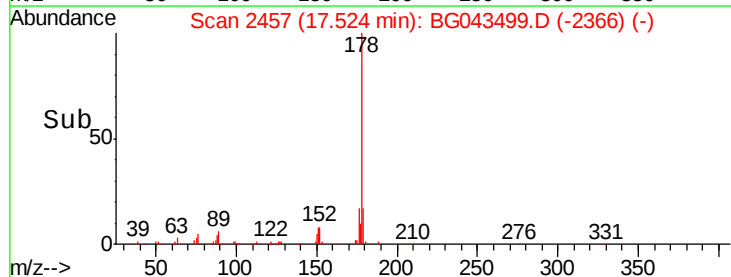
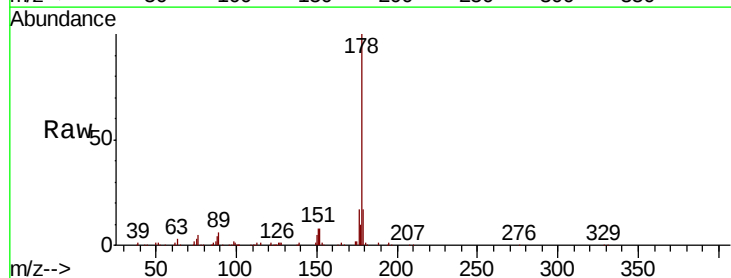
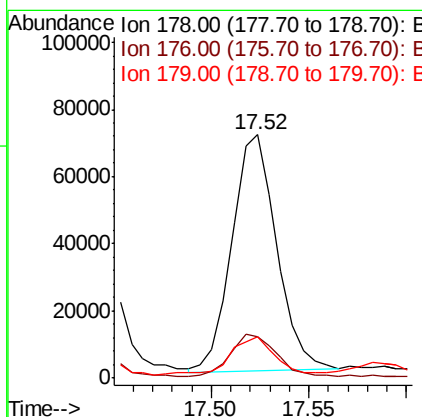
RT: 17.52 min Scan# 2457

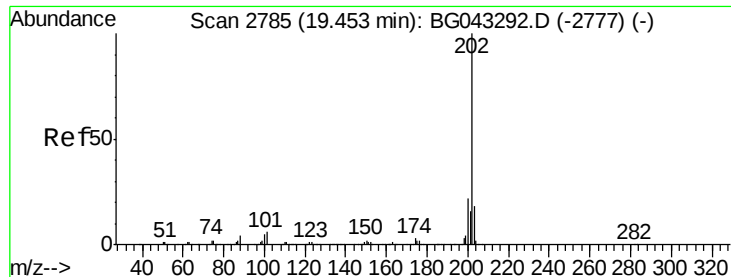
Delta R.T. 0.00 min

Lab File: BG043499.D

Acq: 5 Nov 2019 5:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.5	23.3
179	16.9	13.7	20.5





#75

Fluoranthene

Concen: 65.290 ng

RT: 19.44 min Scan# 2784

Delta R.T. 0.00 min

Lab File: BG043499.D

Acq: 5 Nov 2019 5:32

Instrument :

BNA_G

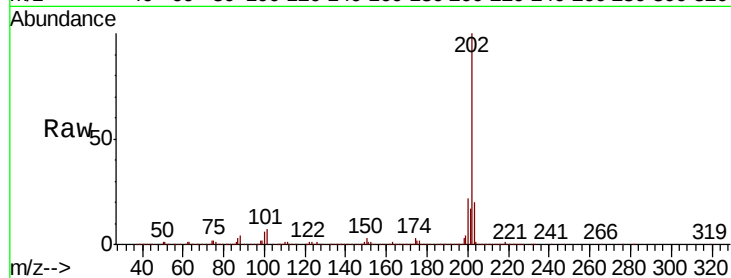
ClientSampleID :

168-74-(0-1)DL

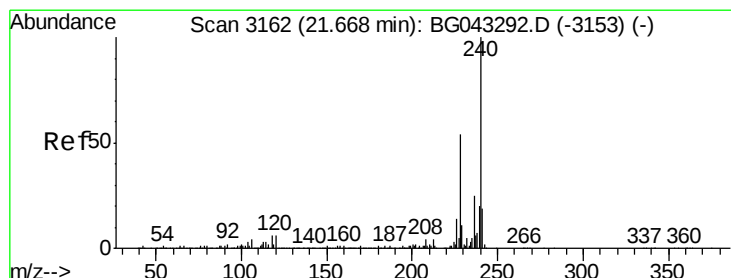
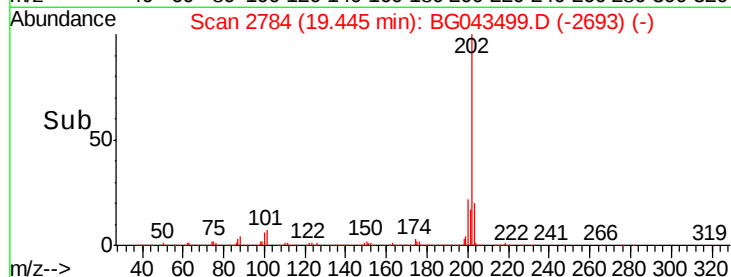
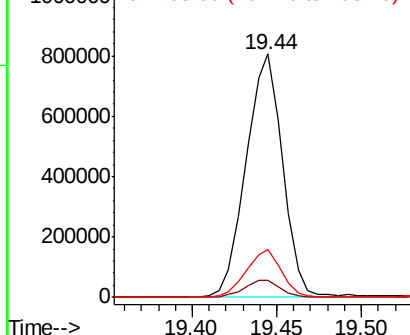
Tot Ion:	202	Resp:	1211144
Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	26.3
203	19.5	0.0	37.9

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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

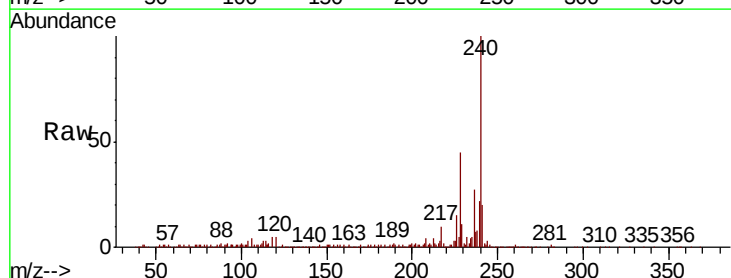
RT: 21.66 min Scan# 3161

Delta R.T. 0.00 min

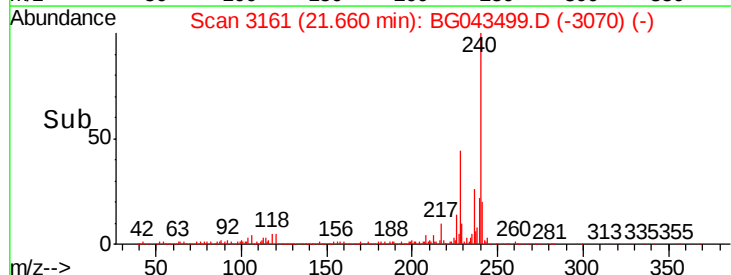
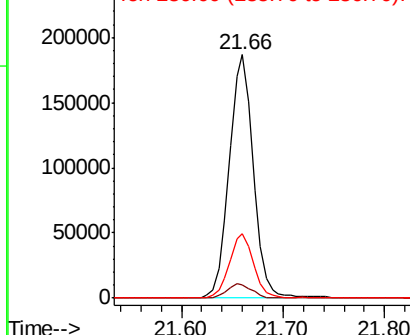
Lab File: BG043499.D

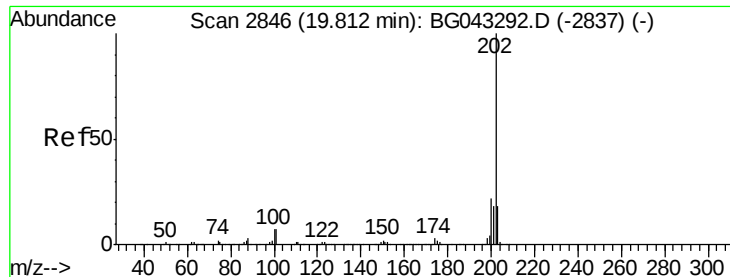
Acq: 5 Nov 2019 5:32

Tgt Ion:	240	Resp:	305417
Ion	Ratio	Lower	Upper
240	100		
120	5.4	4.6	6.8
236	26.5	19.8	29.8



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





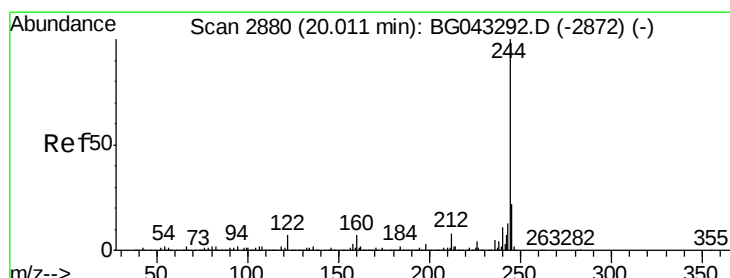
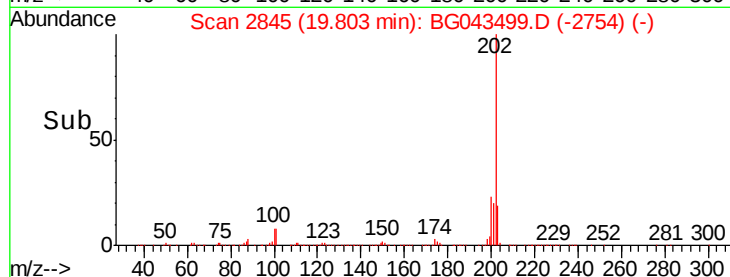
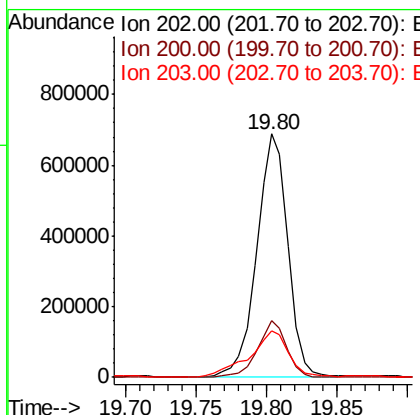
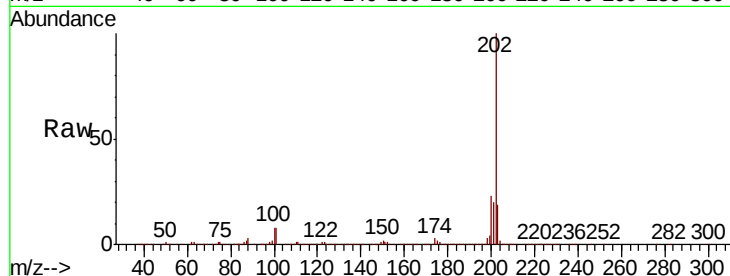
#78
Pvrene
Concen: 56.195 ng
RT: 19.80 min Scan# 2845
Delta R.T. 0.00 min
Lab File: BG043499.D
Acq: 5 Nov 2019 5:32

Instrument :
BNA_G
ClientSampleId :
168-74-(0-1)DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.3	17.0	25.4
203	19.2	14.7	22.1

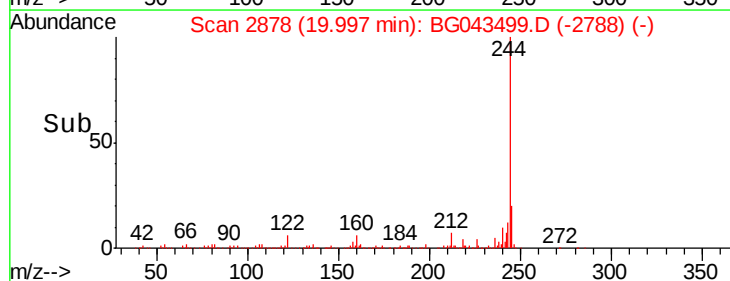
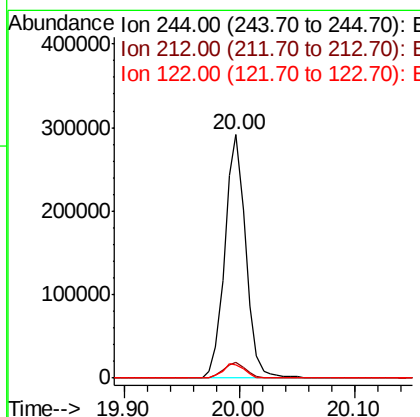
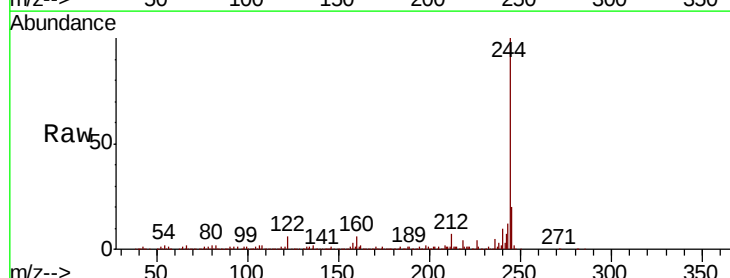
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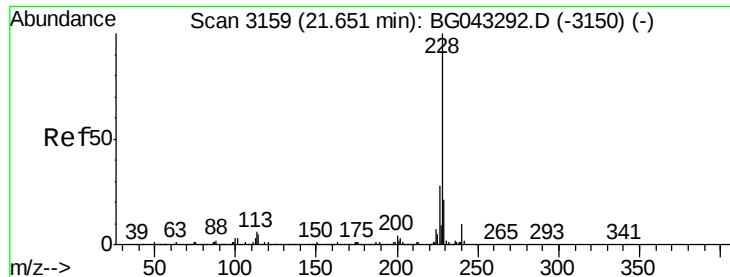
mohammad
11/5/2019 10:41:16 AM



#79
Terphenyl-d14
Concen: 22.500 ng
RT: 20.00 min Scan# 2878
Delta R.T. -0.00 min
Lab File: BG043499.D
Acq: 5 Nov 2019 5:32

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	5.6	5.4	8.2





#81

Benzo(a)anthracene

Concen: 36.262 ng

RT: 21.64 min Scan# 3157

Delta R.T. -0.00 min

Lab File: BG043499.D

Acq: 5 Nov 2019 5:32

Instrument :

BNA_G

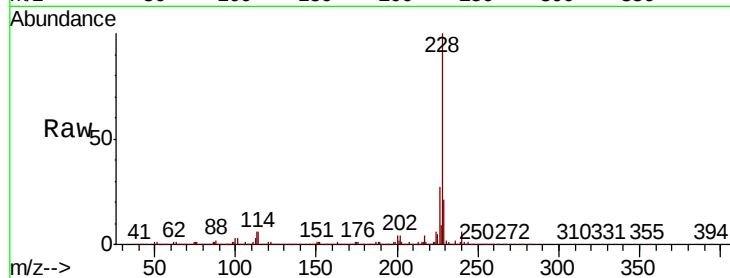
ClientSampleId :

168-74-(0-1)DL

Tot Ion:	228	Resp:	693732
Ion Ratio	Lower	Upper	
228	100		
226	27.1	22.2	33.2
229	21.4	17.0	25.4

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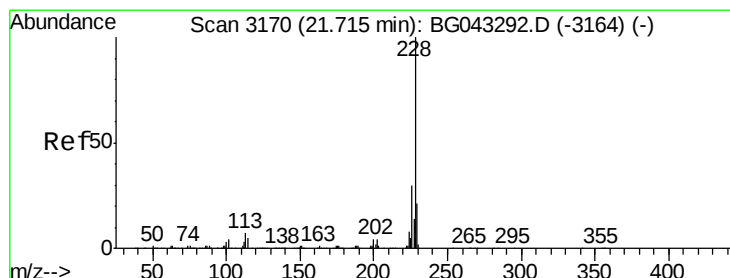
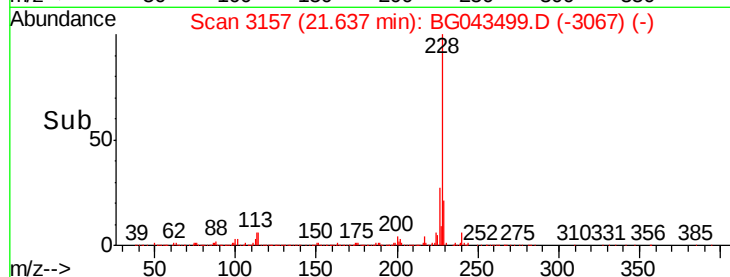
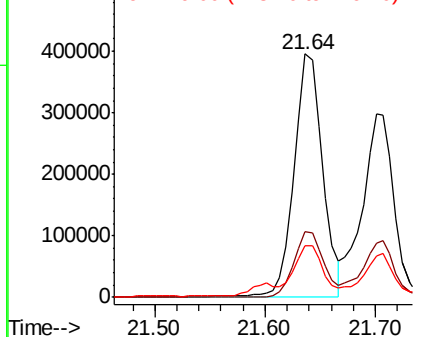


Abundance

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



#83

Chrysene

Concen: 29.977 ng

RT: 21.70 min Scan# 3168

Delta R.T. -0.00 min

Lab File: BG043499.D

Acq: 5 Nov 2019 5:32

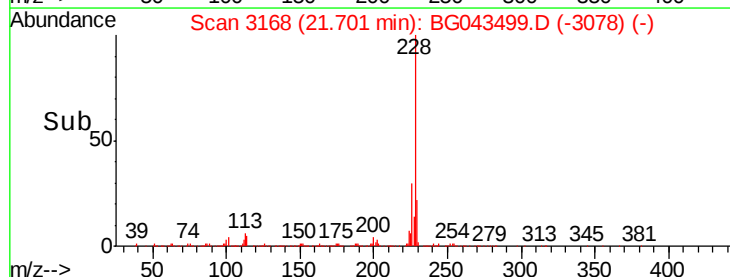
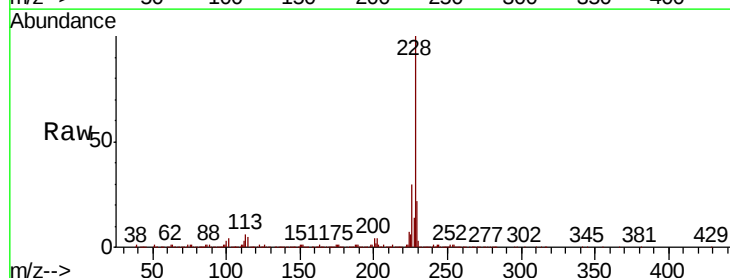
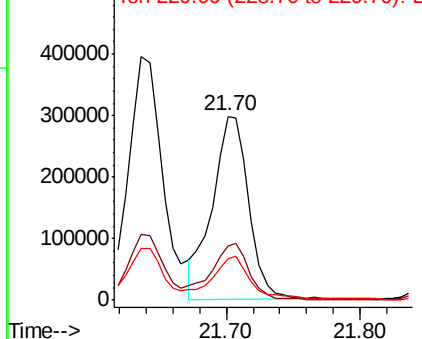
Tgt Ion:	228	Resp:	569800
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.1	37.7
229	22.4	17.0	25.4

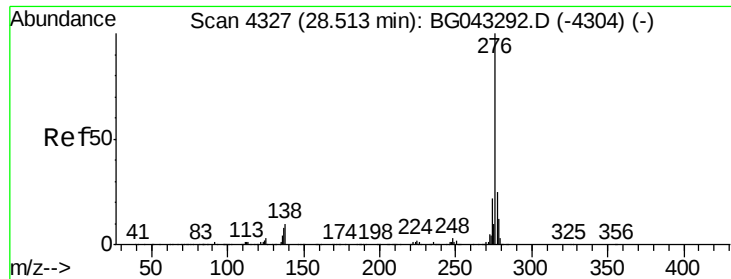
Abundance

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





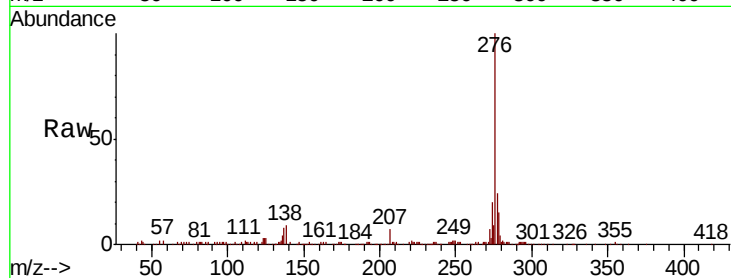
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 11.922 ng
 RT: 28.49 min Scan# 4324
 Delta R.T. -0.00 min
 Lab File: BG043499.D
 Acq: 5 Nov 2019 5:32

Instrument :
 BNA_G
 ClientSampleId :
 168-74-(0-1)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.6	6.8	10.2#
277	22.5	20.9	31.3

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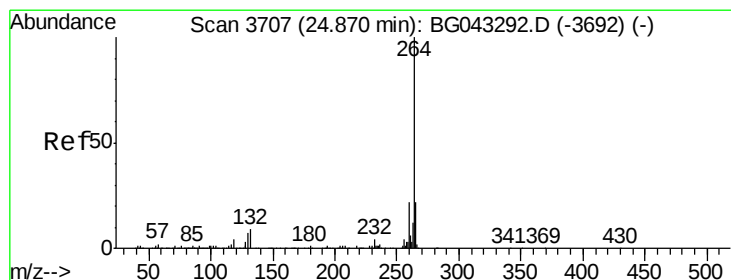
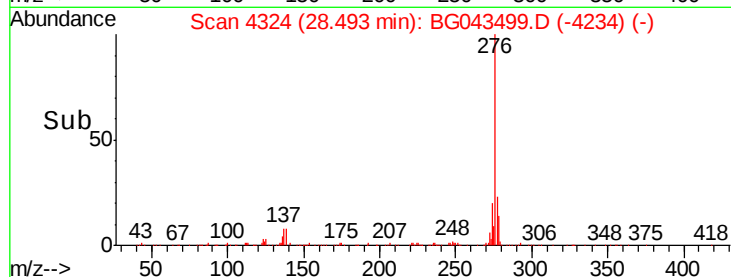
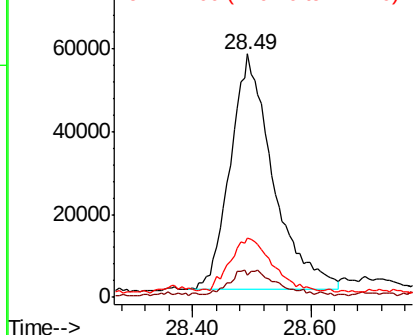


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3705
 Delta R.T. 0.00 min
 Lab File: BG043499.D
 Acq: 5 Nov 2019 5:32

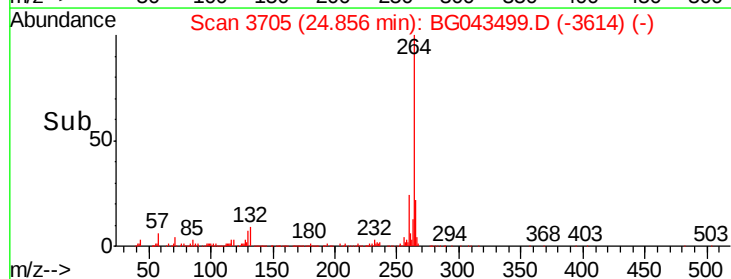
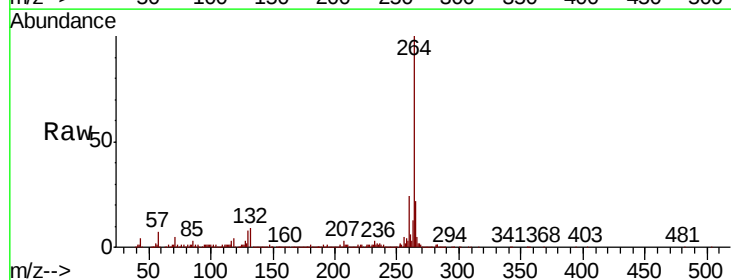
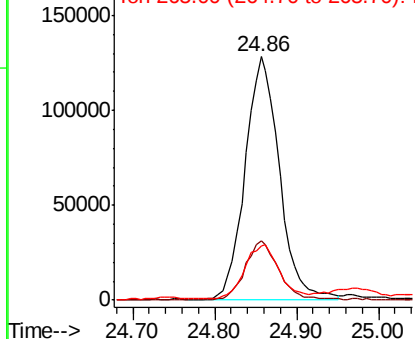
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.5	26.3
265	22.3	17.4	26.0

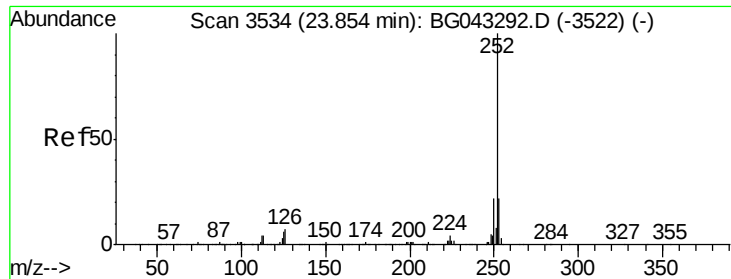
Abundance

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





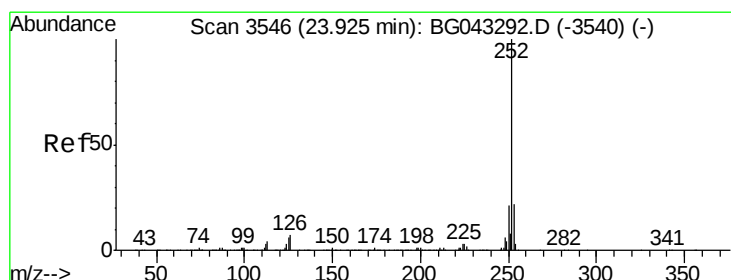
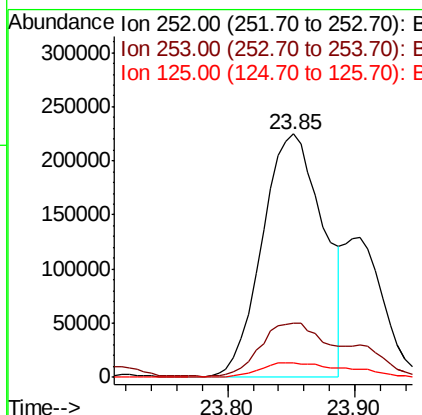
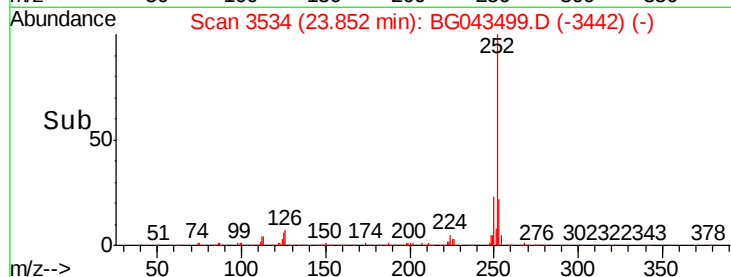
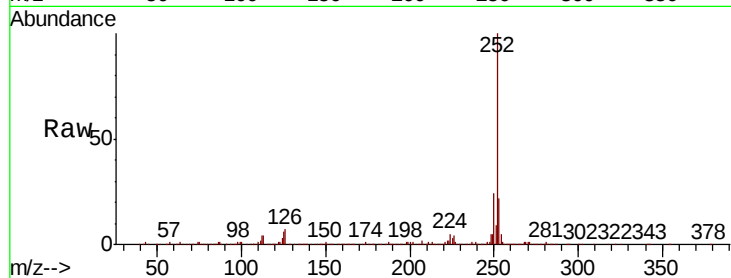
#88
Benzo(b)fluoranthene
Concen: 35.485 ng
RT: 23.85 min Scan# 3534
Delta R.T. 0.01 min
Lab File: BG043499.D
Acq: 5 Nov 2019 5:32

Instrument :
BNA_G
ClientSampleId :
168-74-(0-1)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	5.9	4.5	6.7

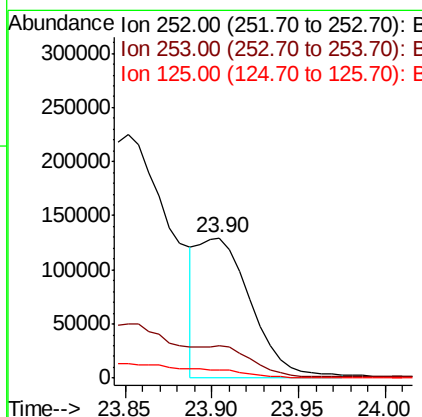
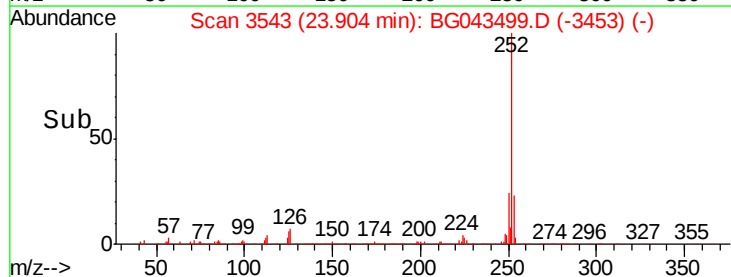
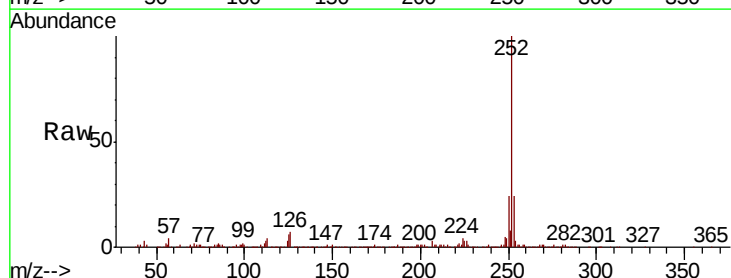
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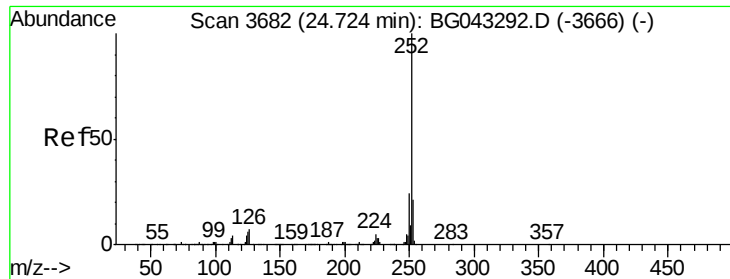
mohammad
11/5/2019 10:41:16 AM



#89
Benzo(k)fluoranthene
Concen: 13.247 ng m
RT: 23.90 min Scan# 3543
Delta R.T. -0.00 min
Lab File: BG043499.D
Acq: 5 Nov 2019 5:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	5.8	4.6	6.8





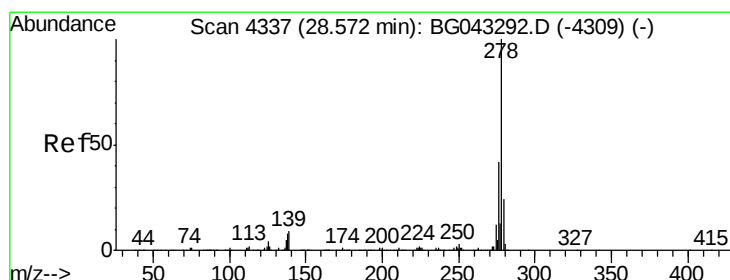
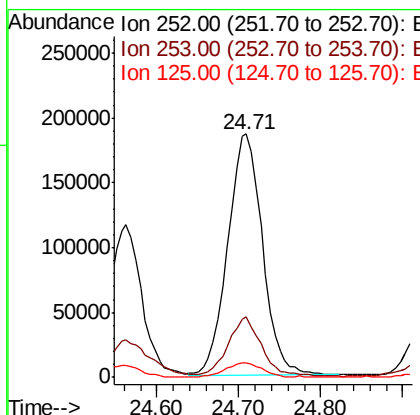
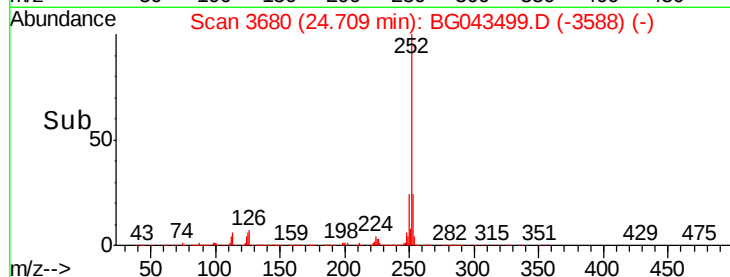
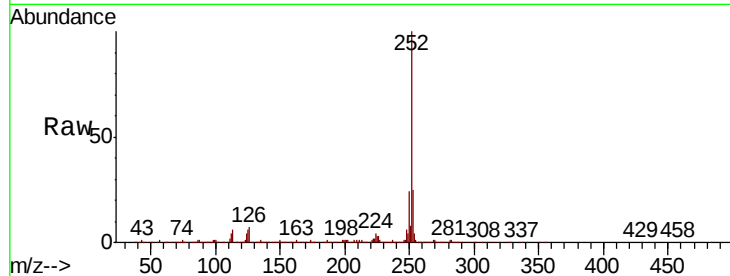
#90
Benzo(a)pyrene
Concen: 27.200 ng
RT: 24.71 min Scan# 3680
Delta R.T. 0.01 min
Lab File: BG043499.D
Acq: 5 Nov 2019 5:32

Instrument :
BNA_G
ClientSampleId :
168-74-(0-1)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.8	26.8
125	6.0	5.4	8.2

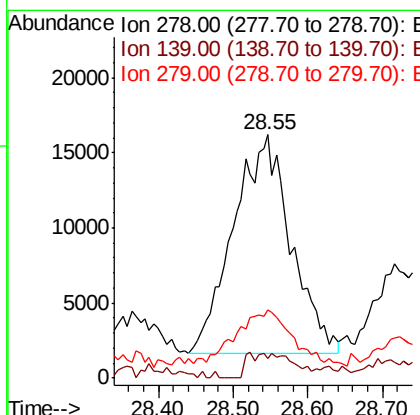
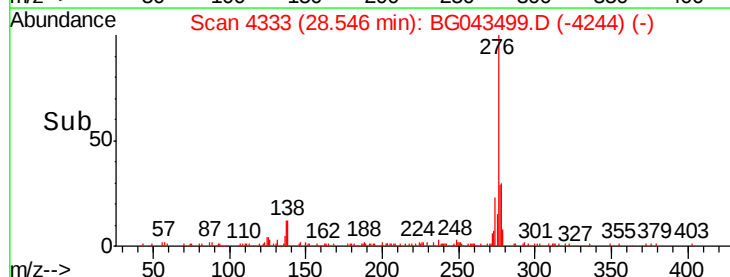
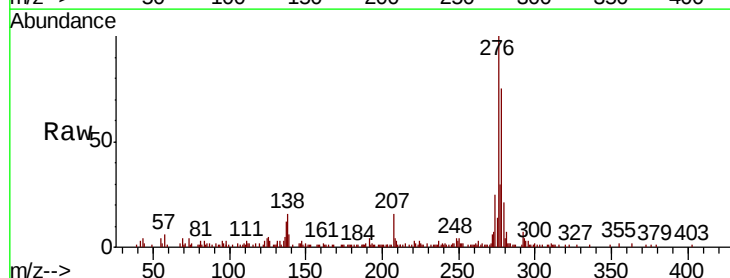
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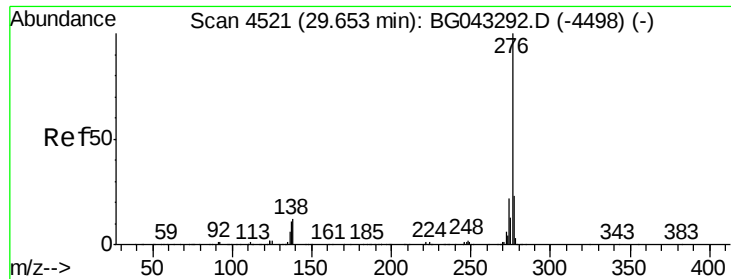
mohammad
11/5/2019 10:41:16 AM



#91
Dibenzo(a,h)anthracene
Concen: 3.804 ng
RT: 28.55 min Scan# 4333
Delta R.T. -0.01 min
Lab File: BG043499.D
Acq: 5 Nov 2019 5:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	8.2	7.4	11.0
279	27.8	19.1	28.7





#92

Benzo(a,h,i)perylene

Concen: 11.402 ng

RT: 29.64 min Scan# 4519

Delta R.T. 0.01 min

Lab File: BG043499.D

Acq: 5 Nov 2019 5:32

Instrument :

BNA_G

ClientSampleId :

168-74-(0-1)DL

Tot Ion:	276	Resp:	231576
Ion Ratio	Lower	Upper	
276	100		
277	22.5	18.9	28.3
138	12.6	8.9	13.3

Manual Integrations
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11/5/2019 10:41:16 AM

