

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040820\
 Data File : BG044974.D
 Acq On : 8 Apr 2020 13:19
 Operator : CG/JU
 Sample : L2129-01DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-9DL

Manual Integrations
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mohammad
 4/10/2020 7:55:55 AM

Quant Time: Apr 08 14:00:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 08 13:01:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	99489	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	394788	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	263228	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	518233	20.00	ng	0.00
76) Chrysene-d12	21.69	240	432994	20.00	ng	0.00
87) Perylene-d12	24.89	264	489382	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	201358	31.51	ng	0.00
7) Phenol-d6	7.20	99	298153	32.11	ng	0.00
23) Nitrobenzene-d5	9.19	82	185649	20.64	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	113720	33.00	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	426252	23.19	ng	0.00
79) Terphenyl-d14	20.03	244	489693	21.15	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.17	77	205	Below Cal		# 6
71) Phenanthrene	17.46	178	480824	17.362	ng	98
72) Anthracene	17.55	178	115404	4.226	ng	94
75) Fluoranthene	19.47	202	1076374	32.643	ng	99
78) Pyrene	19.83	202	1044825	32.890	ng	99
81) Benzo(a)anthracene	21.67	228	602858	19.336	ng	99
83) Chrysene	21.73	228	520100	17.463	ng	99
86) Indeno(1,2,3-cd)pyrene	28.53	276	384832	9.856	ng	# 95
88) Benzo(b)fluoranthene	23.88	252	701192	21.703	ng	97
89) Benzo(k)fluoranthene	23.94	252	249615m	8.164	ng	
90) Benzo(a)pyrene	24.73	252	550926	18.224	ng	100
91) Dibenzo(a,h)anthracene	28.56	278	91837	3.079	ng	94
92) Benzo(a,h,i)perylene	29.66	276	378469	12.560	ng	97

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

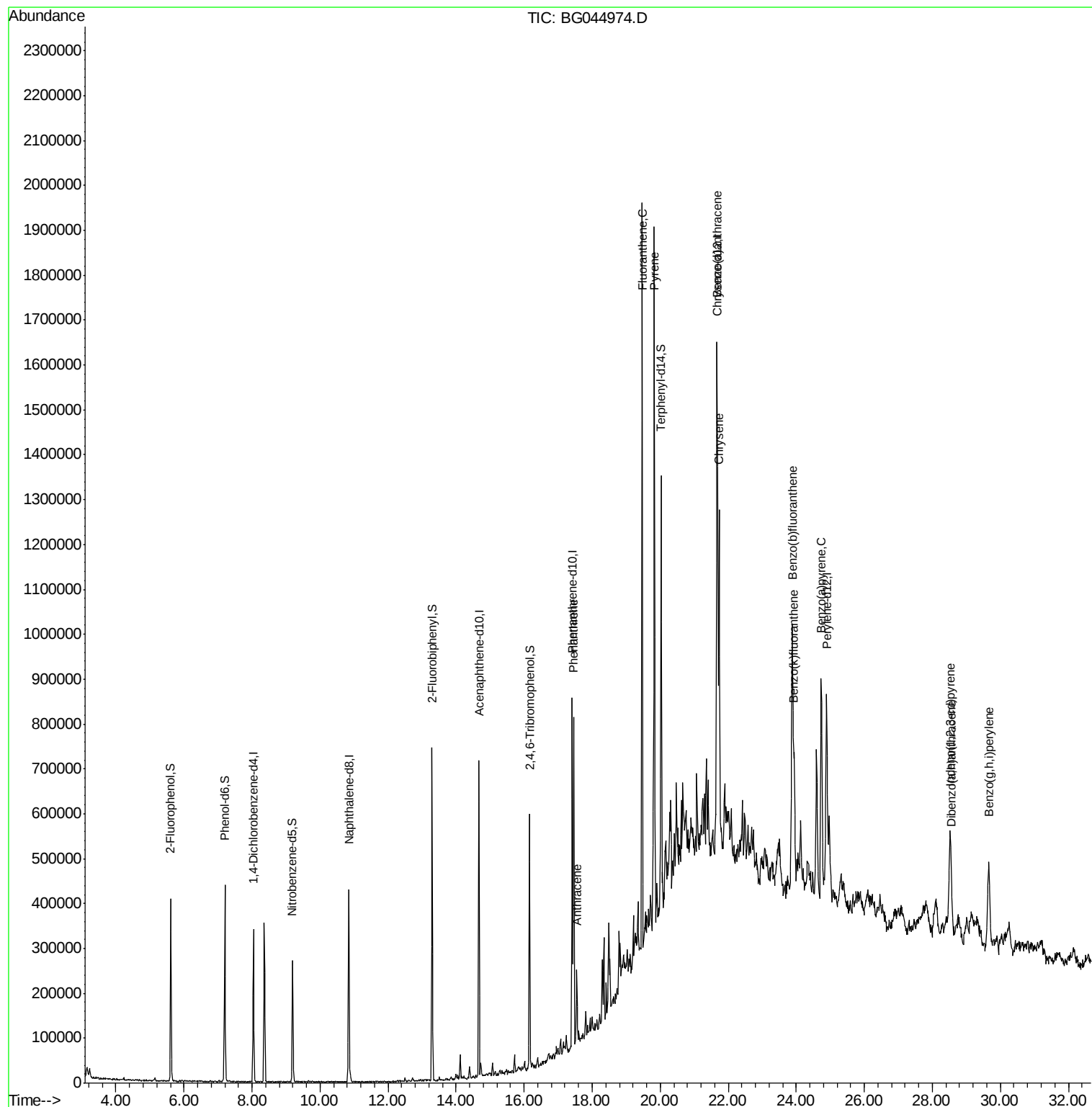
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040820\
Data File : BG044974.D
Acq On : 8 Apr 2020 13:19
Operator : CG/JU
Sample : L2129-01DL 5X
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ALS Vial : 4 Sample Multiplier: 1

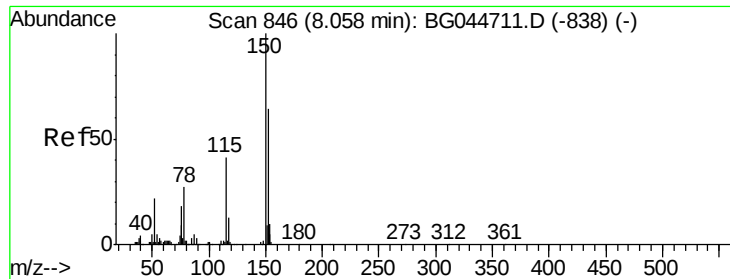
Instrument :
BNA_G
ClientSampled :
TP-9DL

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Quant Time: Apr 08 14:00:16 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 08 13:01:06 2020
Response via : Initial Calibration





#1

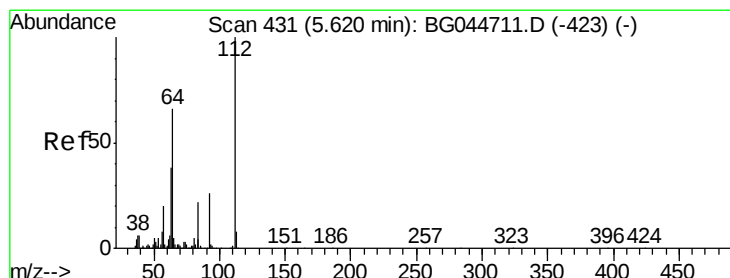
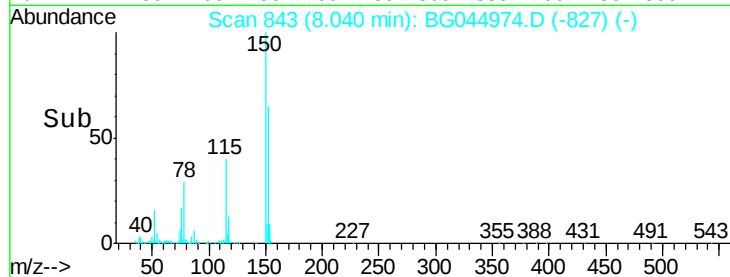
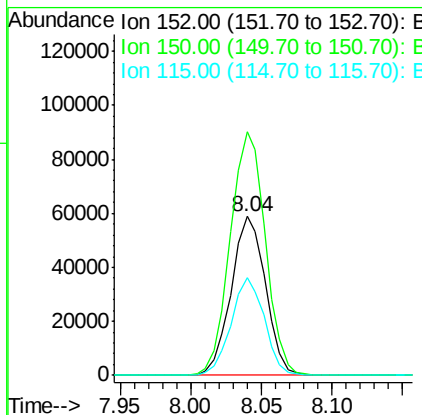
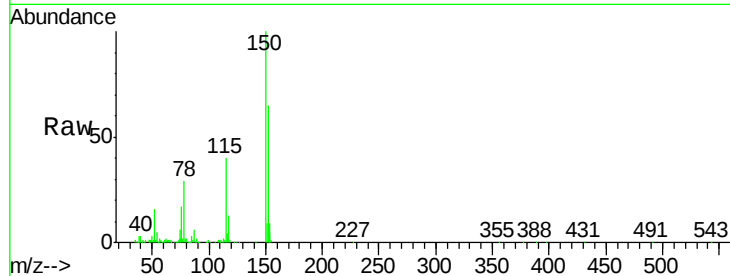
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.00 min
Lab File: BG044974.D
Acq: 8 Apr 2020 13:19

Instrument :
BNA_G
ClientSampleId :
TP-9DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	128.8	193.2
115	61.4	52.6	79.0

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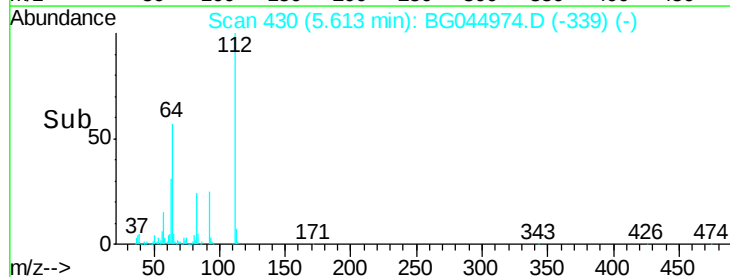
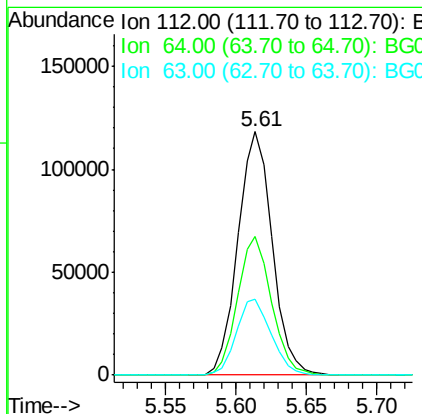
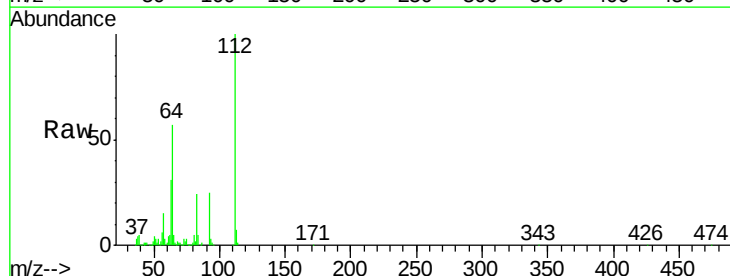
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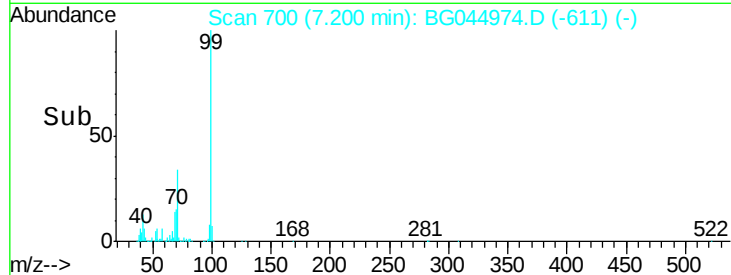
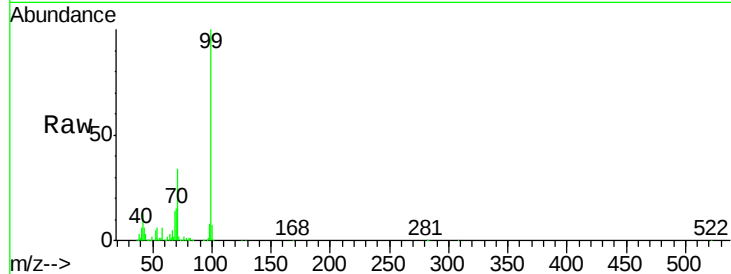
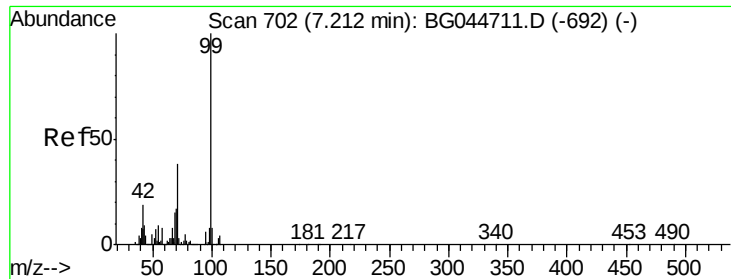


#5

2-Fluorophenol
Concen: 31.506 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044974.D
Acq: 8 Apr 2020 13:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	53.4	80.2
63	31.4	29.4	44.2





#7

Phenol-d6

Concen: 32.109 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044974.D

Acq: 8 Apr 2020 13:19

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		298153		
42	12.8	12.6	19.0		
71	34.3	29.0	43.4		

Instrument :

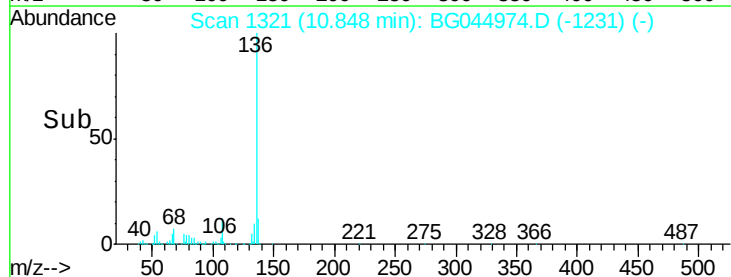
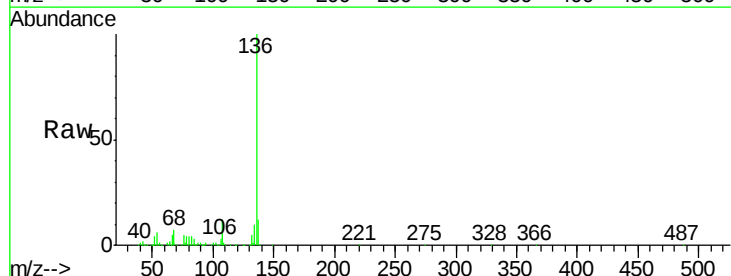
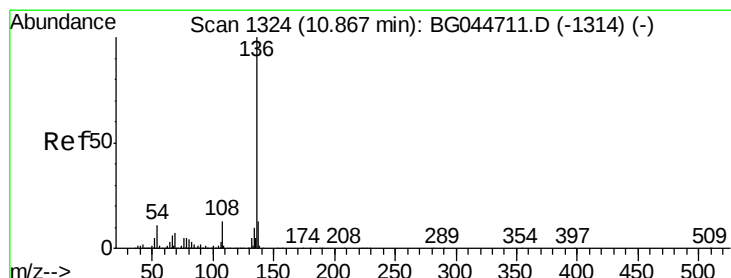
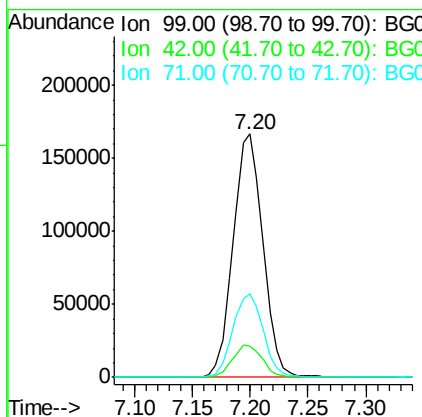
BNA_G

ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.000 ng

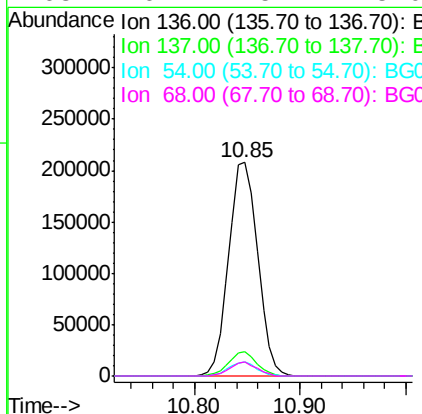
RT: 10.85 min Scan# 1321

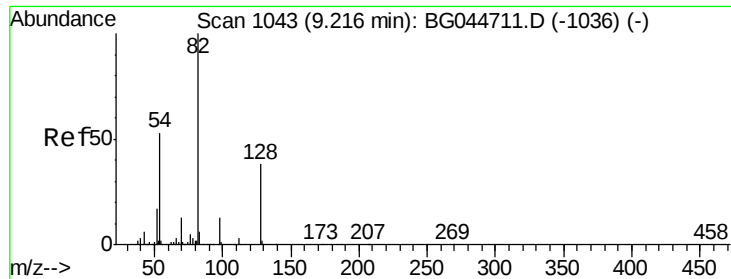
Delta R.T. -0.00 min

Lab File: BG044974.D

Acq: 8 Apr 2020 13:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		394788		
137	11.7	9.8	14.6		
54	6.5	7.9	11.9		
68	6.7	5.4	8.0		





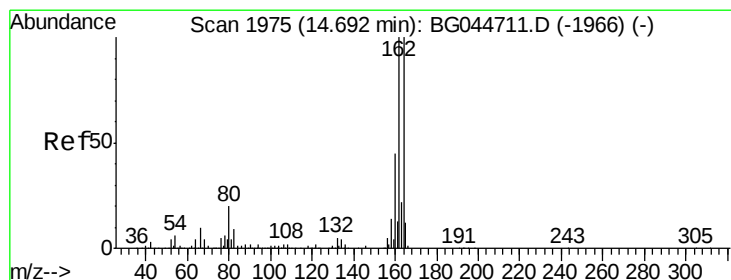
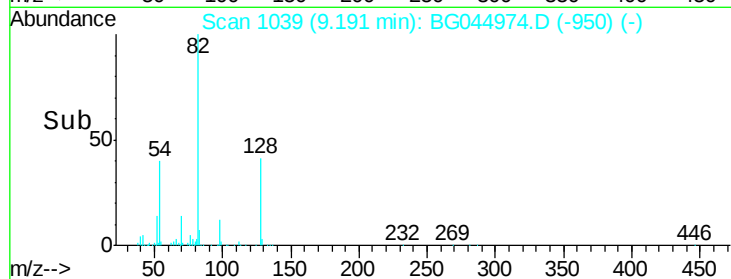
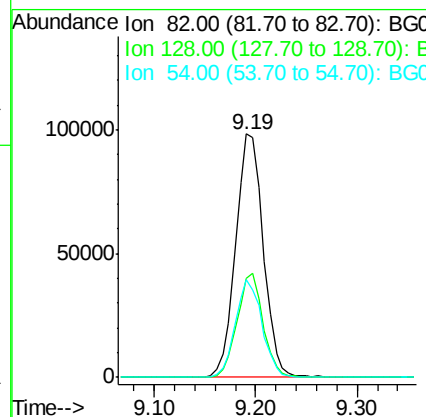
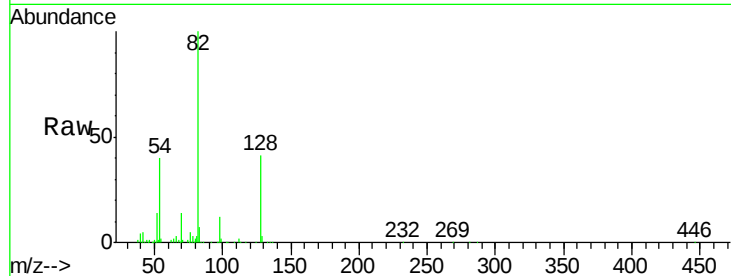
#23
Nitrobenzene-d5
Concen: 20.635 ng
RT: 9.19 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BG044974.D
Acq: 8 Apr 2020 13:19

Instrument :
BNA_G
ClientSampleId :
TP-9DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.6	30.6	46.0
54	40.0	37.1	55.7

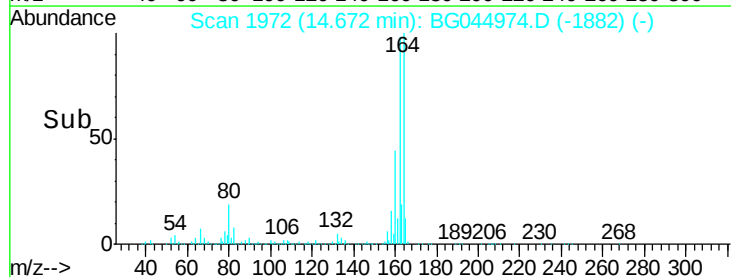
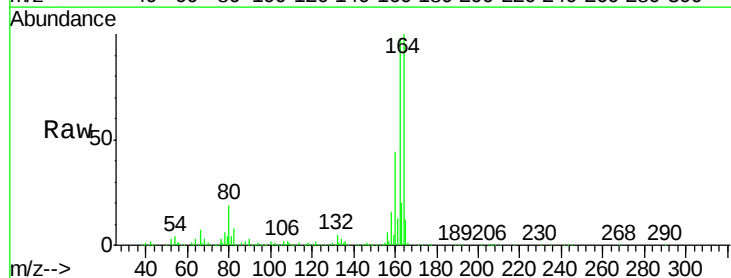
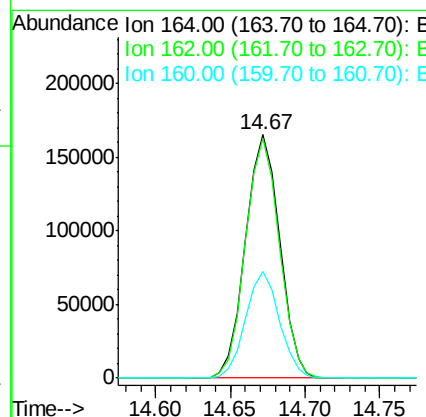
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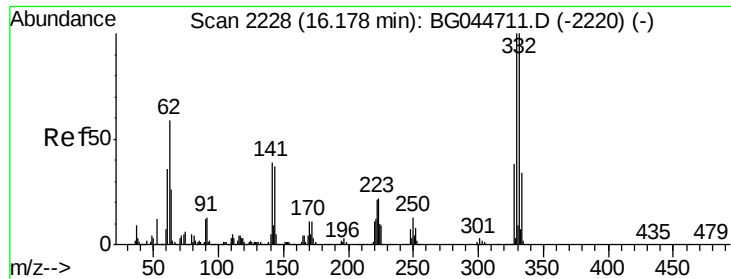
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.00 min
Lab File: BG044974.D
Acq: 8 Apr 2020 13:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.2	76.7	115.1
160	43.7	35.0	52.4





#42

2,4,6-Tribromophenol

Concen: 32.995 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BG044974.D

Acq: 8 Apr 2020 13:19

Instrument :

BNA_G

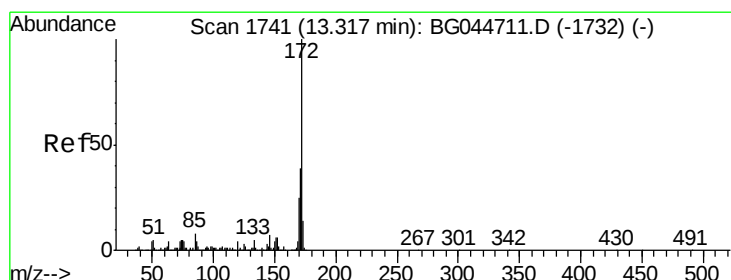
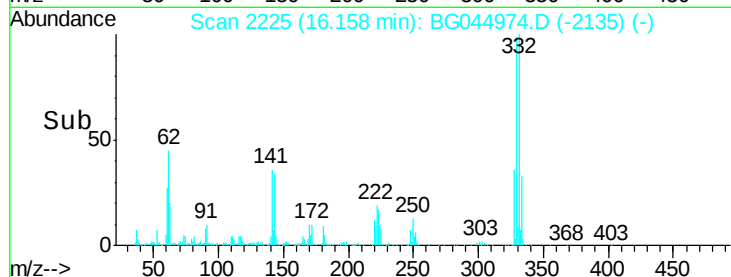
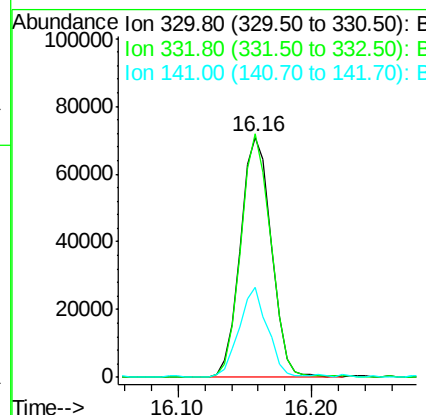
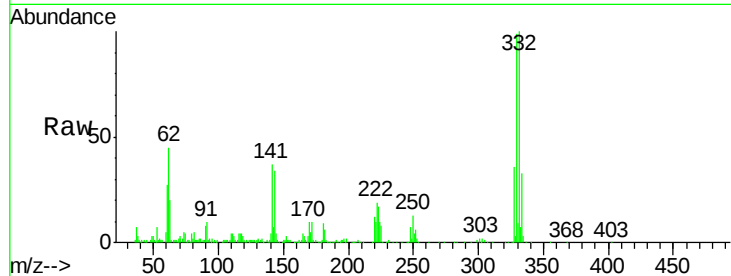
ClientSampleId :

TP-9DL

Tot Ion:	330	Resp:	113720
Ion Ratio	Lower	Upper	
330	100		
332	97.9	77.8	116.6
141	35.0	29.5	44.3

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#45

2-Fluorobiphenyl

Concen: 23.189 ng

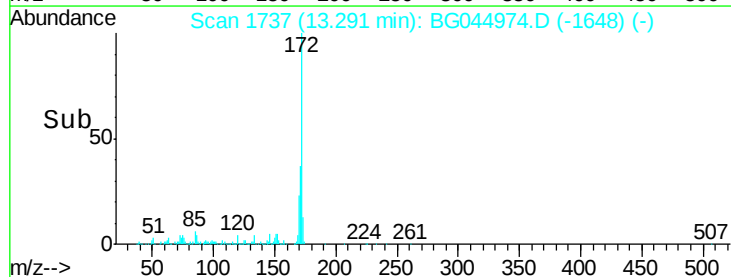
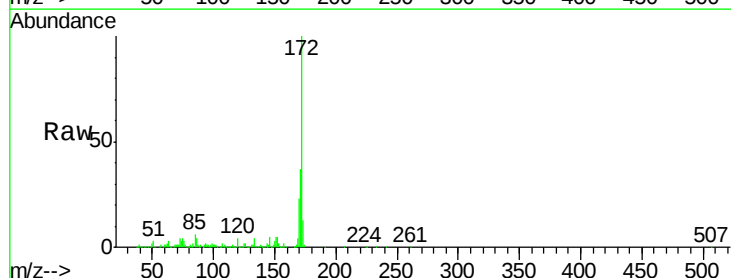
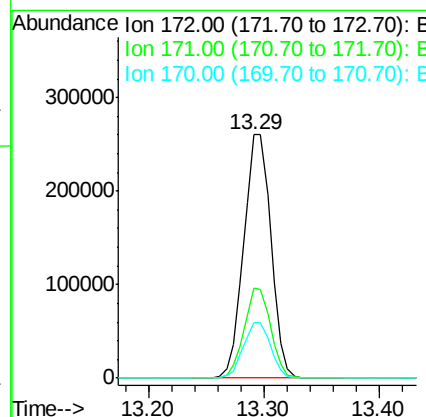
RT: 13.29 min Scan# 1737

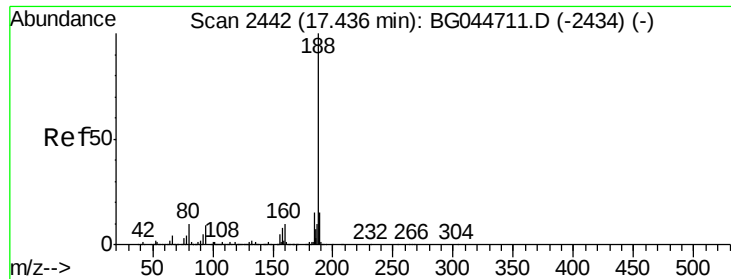
Delta R.T. -0.01 min

Lab File: BG044974.D

Acq: 8 Apr 2020 13:19

Tgt Ion:	172	Resp:	426252
Ion Ratio	Lower	Upper	
172	100		
171	37.1	28.7	43.1
170	22.9	19.0	28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.00 min

Lab File: BG044974.D

Acq: 8 Apr 2020 13:19

Instrument :

BNA_G

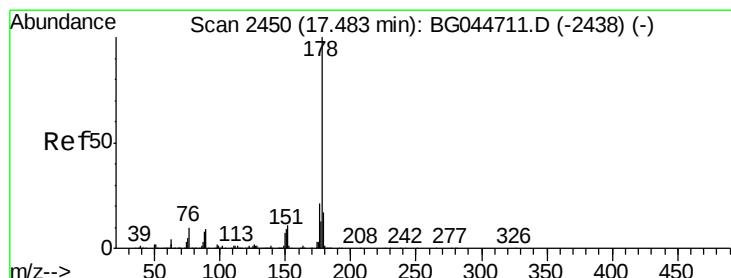
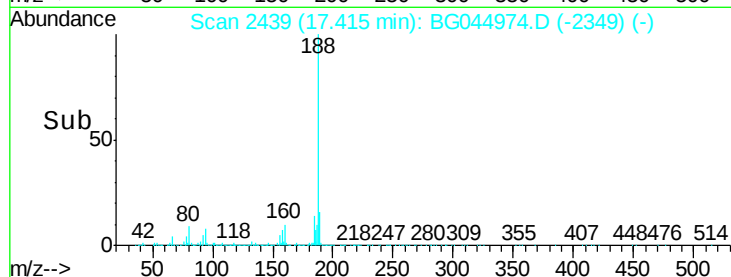
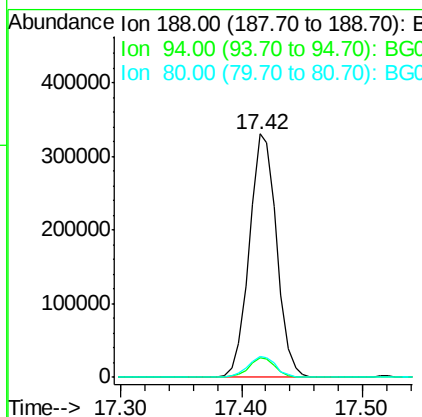
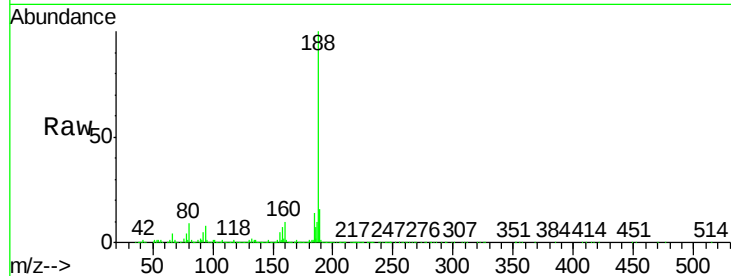
ClientSampleId :

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Tot Ion:	188	Resp:	518233
Ion Ratio	Lower	Upper	
188	100		
94	7.8	7.3	10.9
80	8.6	8.0	12.0

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#71

Phenanthrene

Concen: 17.362 ng

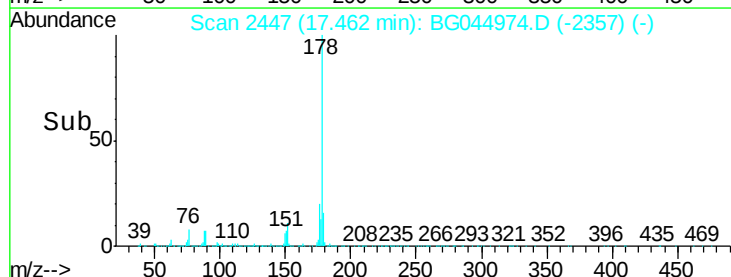
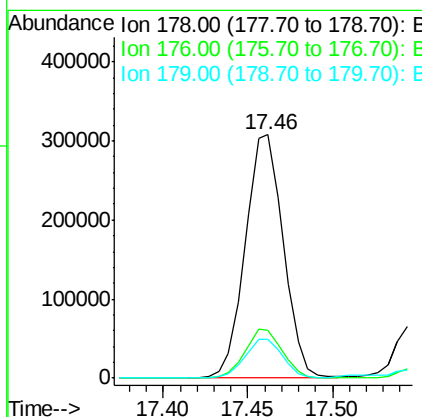
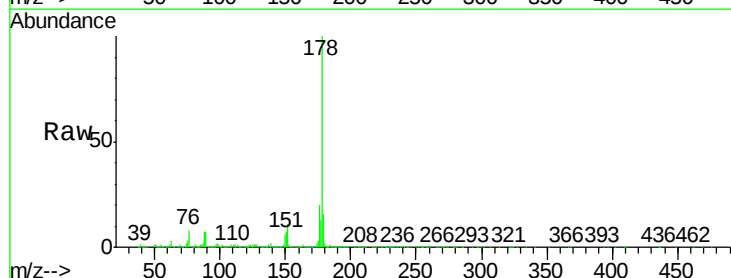
RT: 17.46 min Scan# 2447

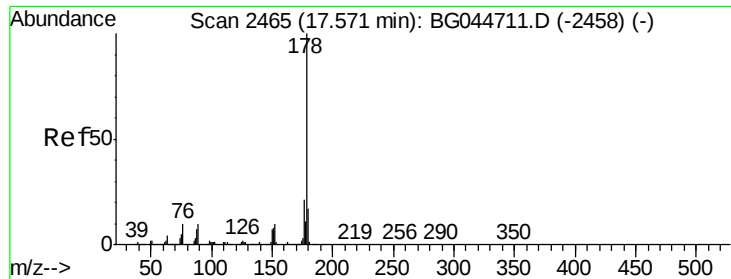
Delta R.T. -0.00 min

Lab File: BG044974.D

Acq: 8 Apr 2020 13:19

Tgt Ion:	178	Resp:	480824
Ion Ratio	Lower	Upper	
178	100		
176	19.8	16.6	24.8
179	16.1	13.5	20.3





#72

Anthracene

Concen: 4.226 ng

RT: 17.55 min Scan# 2462

Delta R.T. -0.00 min

Lab File: BG044974.D

Acq: 8 Apr 2020 13:19

Instrument :

BNA_G

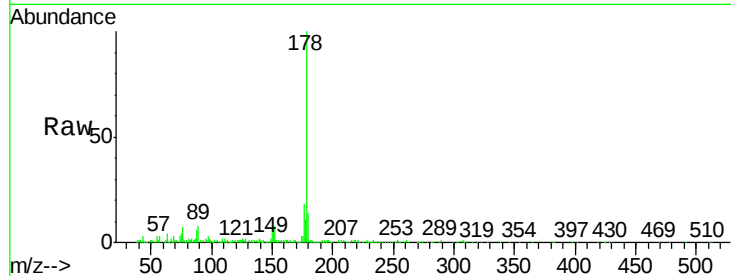
ClientSampleId :

TP-9DL

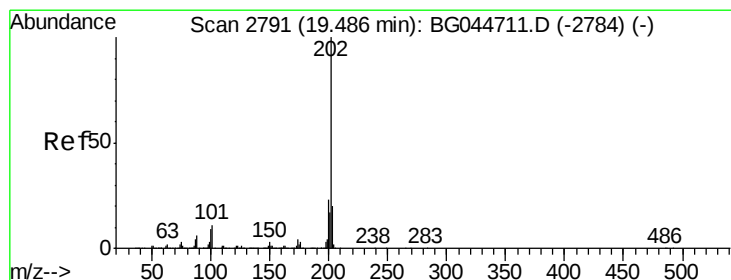
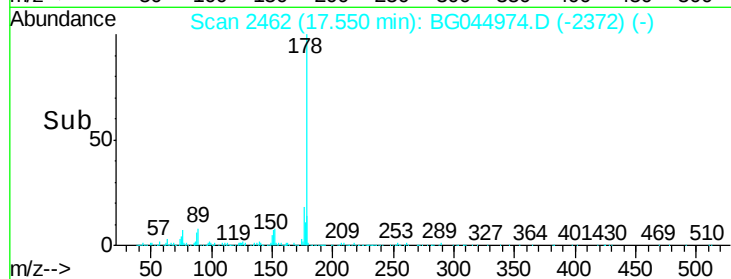
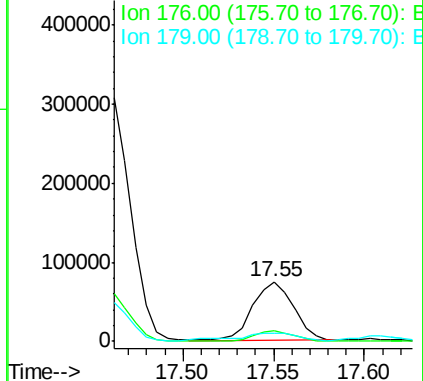
Tot Ion:	178	Resp:	115404
Ion Ratio	Lower	Upper	
178	100		
176	17.5	15.9	23.9
179	13.8	13.2	19.8

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 32.643 ng

RT: 19.47 min Scan# 2789

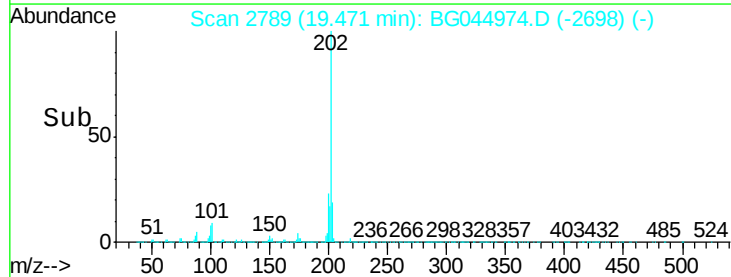
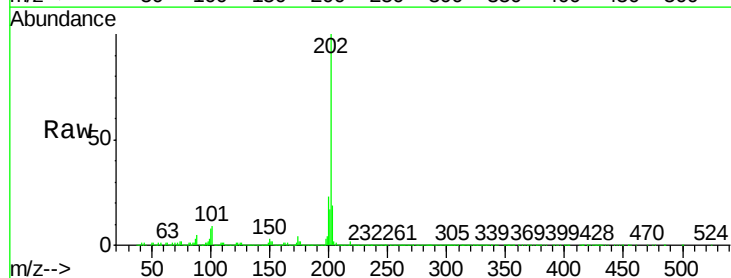
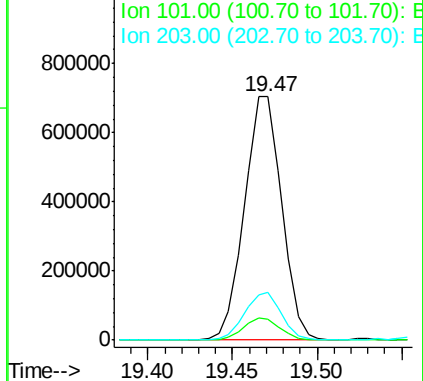
Delta R.T. 0.00 min

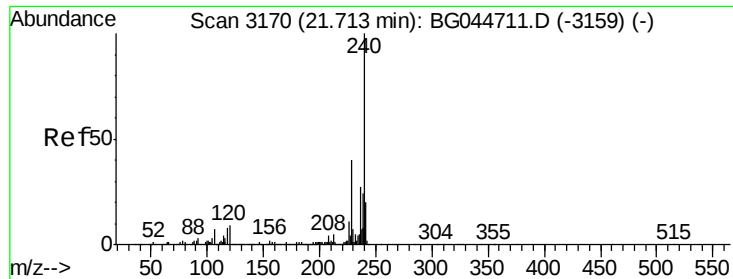
Lab File: BG044974.D

Acq: 8 Apr 2020 13:19

Tgt Ion:	202	Resp:	1076374
Ion Ratio	Lower	Upper	
202	100		
101	8.6	0.0	29.8
203	19.5	0.0	39.4

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





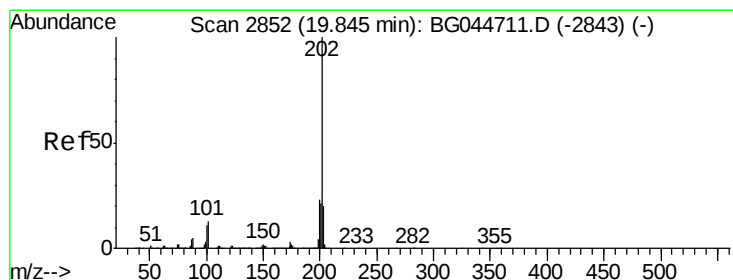
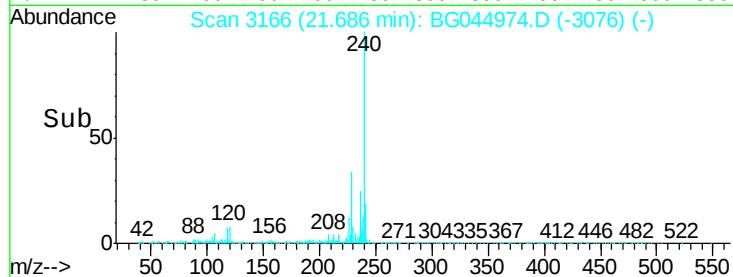
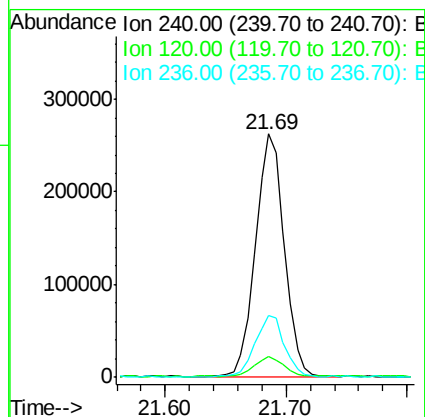
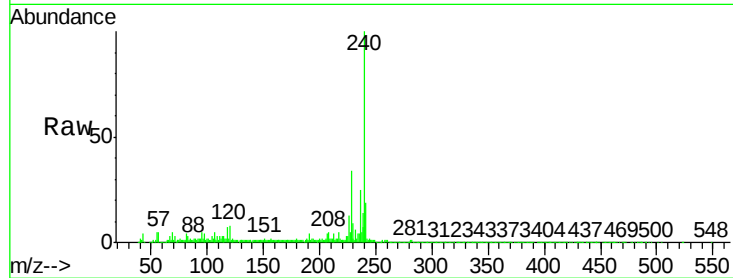
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.00 min
Lab File: BG044974.D
Acq: 8 Apr 2020 13:19

Instrument :
BNA_G
ClientSampleId :
TP-9DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.7	10.1
236	25.4	21.5	32.3

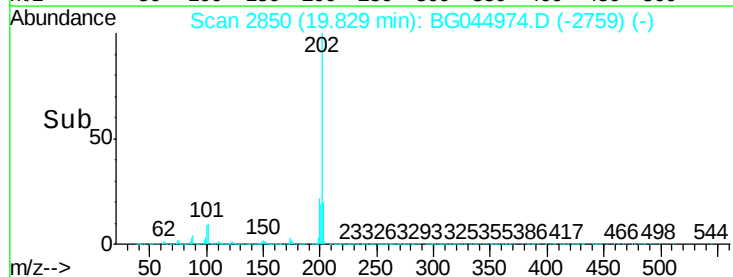
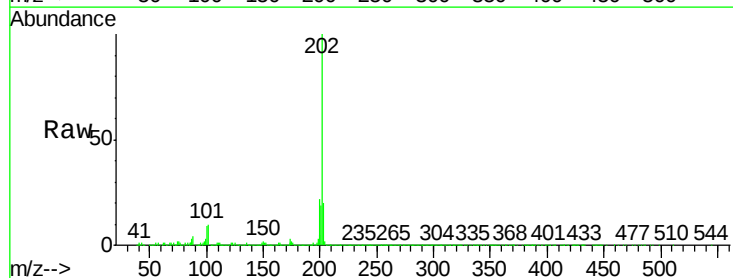
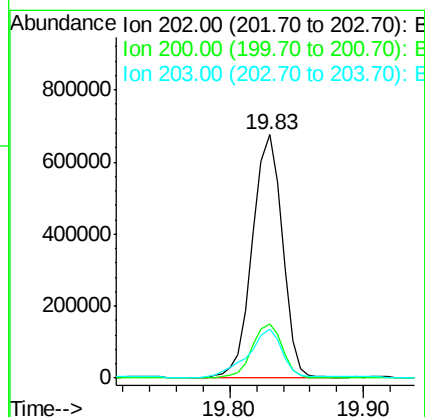
Manual Integrations
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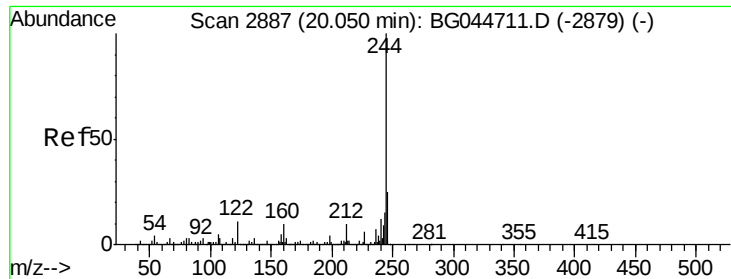
mohammad
4/10/2020 7:55:55 AM



#78
Pyrene
Concen: 32.890 ng
RT: 19.83 min Scan# 2850
Delta R.T. 0.00 min
Lab File: BG044974.D
Acq: 8 Apr 2020 13:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.2	18.3	27.5
203	19.9	15.6	23.4





#79

Terphenyl-d14

Concen: 21.155 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044974.D

Acq: 8 Apr 2020 13:19

Instrument :

BNA_G

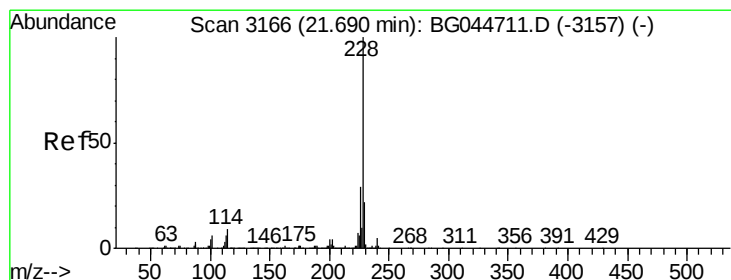
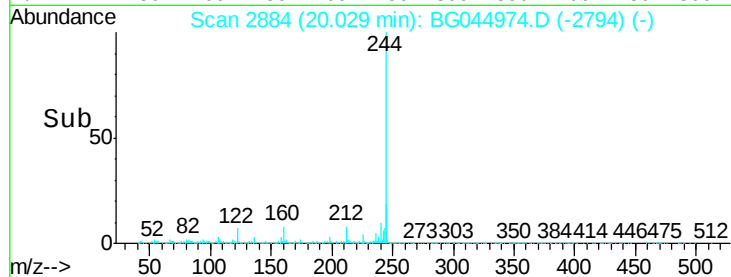
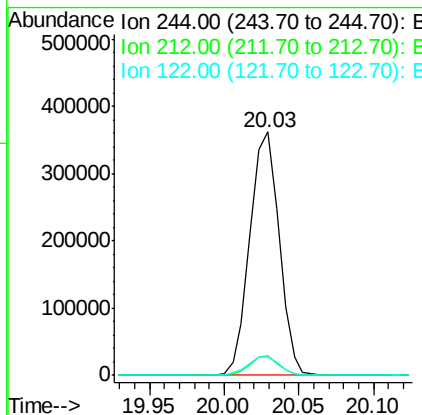
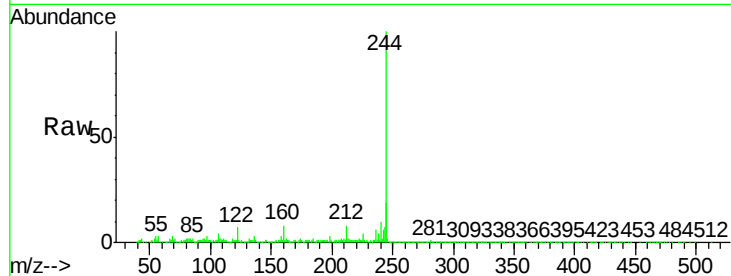
ClientSampleId :

TP-9DL

Tot Ion:	244	Resp:	489693
Ion Ratio		Lower	Upper
244	100		
212	8.3	7.7	11.5
122	7.5	8.6	12.8#

Manual Integrations
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#81

Benzo(a)anthracene

Concen: 19.336 ng

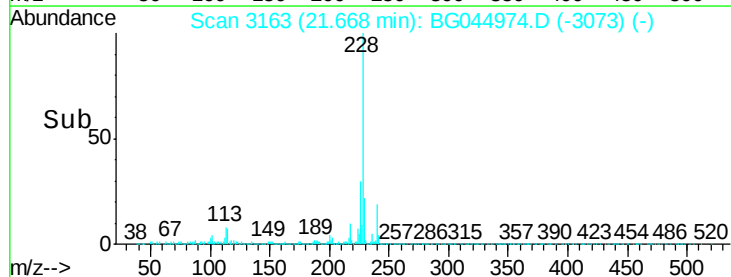
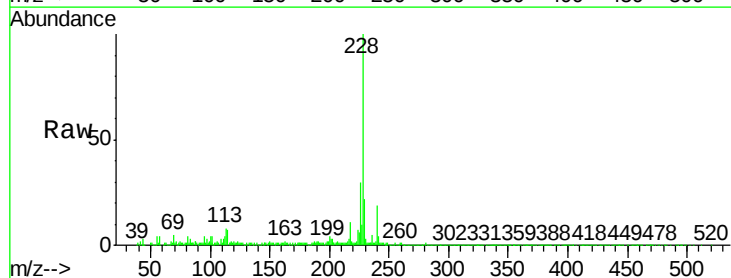
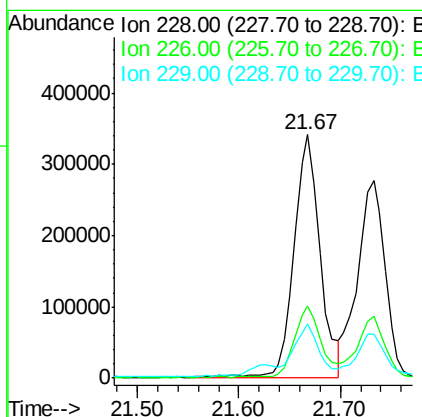
RT: 21.67 min Scan# 3163

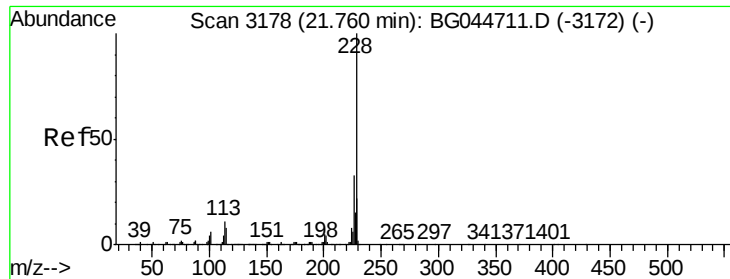
Delta R.T. -0.00 min

Lab File: BG044974.D

Acq: 8 Apr 2020 13:19

Tgt Ion:	228	Resp:	602858
Ion Ratio		Lower	Upper
228	100		
226	29.9	23.6	35.4
229	22.4	17.1	25.7





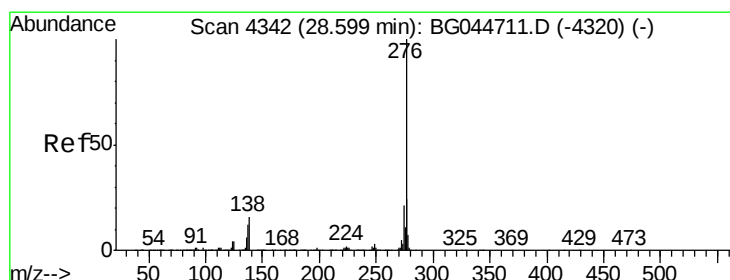
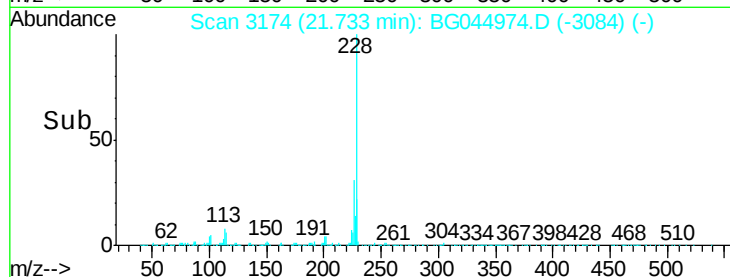
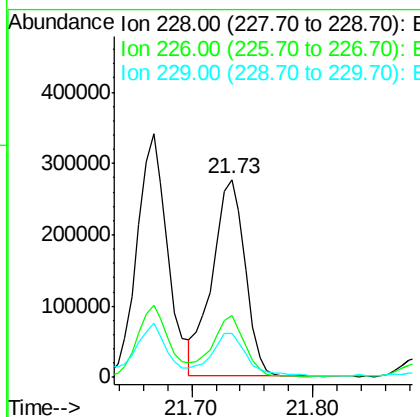
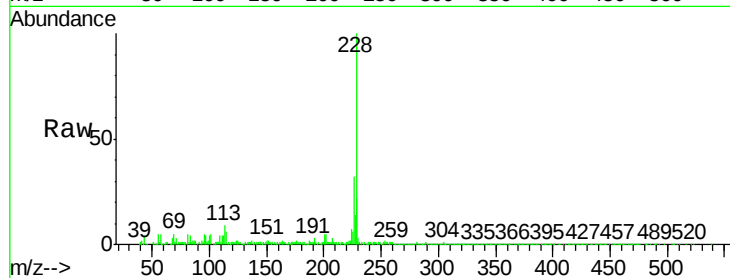
#83
Chrysene
Concen: 17.463 ng
RT: 21.73 min Scan# 3174
Delta R.T. -0.00 min
Lab File: BG044974.D
Acq: 8 Apr 2020 13:19

Instrument :
BNA_G
ClientSampleID :
TP-9DL

Tot Ion:	228	Resp:	520100
Ion Ratio	Lower	Upper	
228	100		
226	31.6	25.9	38.9
229	22.2	17.4	26.0

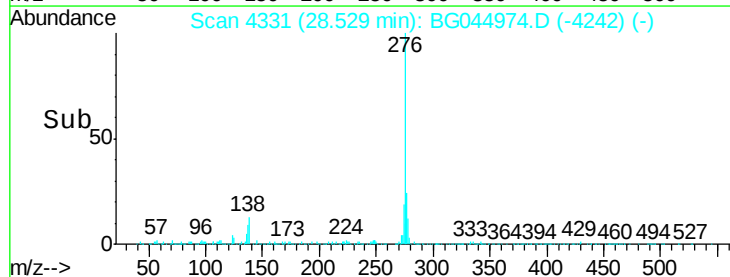
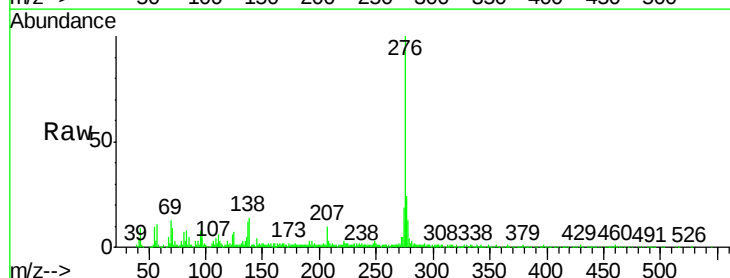
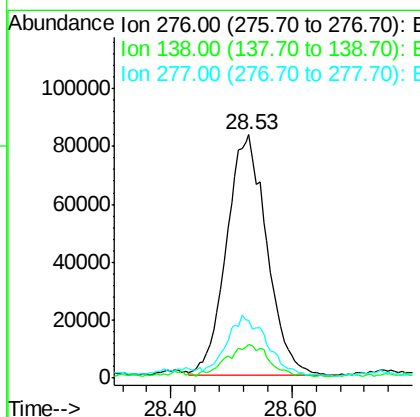
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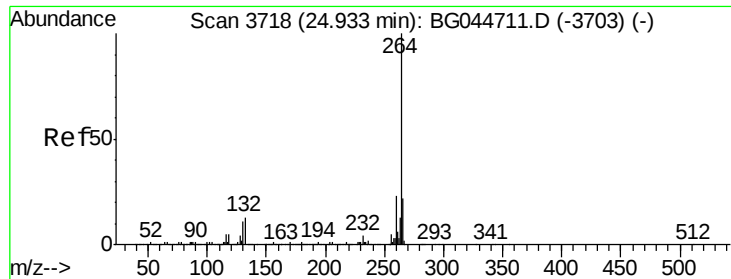
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 9.856 ng
RT: 28.53 min Scan# 4331
Delta R.T. -0.01 min
Lab File: BG044974.D
Acq: 8 Apr 2020 13:19

Tgt Ion:	276	Resp:	384832
Ion Ratio	Lower	Upper	
276	100		
138	13.1	7.4	11.0#
277	24.7	20.8	31.2





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.89 min Scan# 3712

Delta R.T. 0.00 min

Lab File: BG044974.D

Acq: 8 Apr 2020 13:19

Instrument :

BNA_G

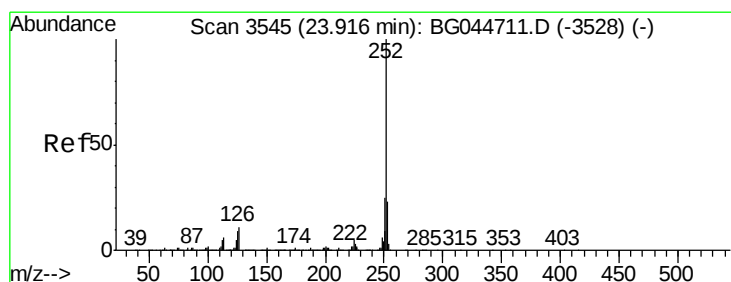
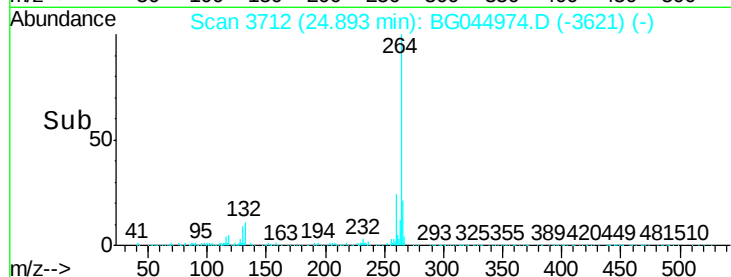
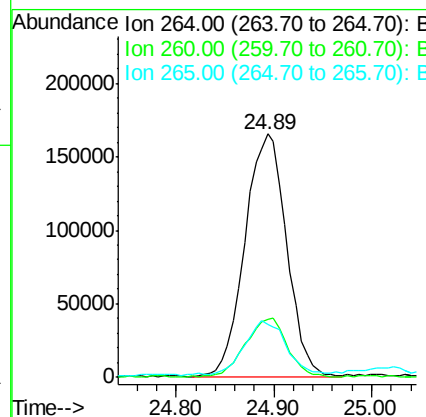
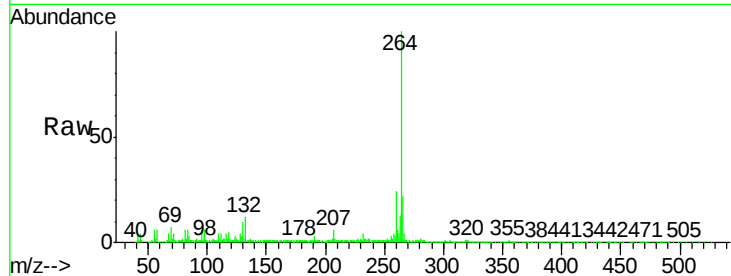
ClientSampled :

TP-9DL

Tot Ion:	264	Resp:	489382
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.1	27.1
265	21.5	17.1	25.7

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 21.703 ng

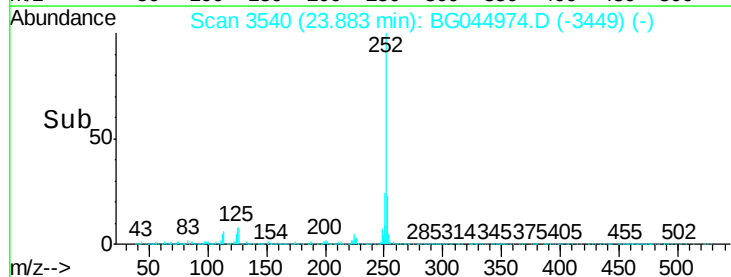
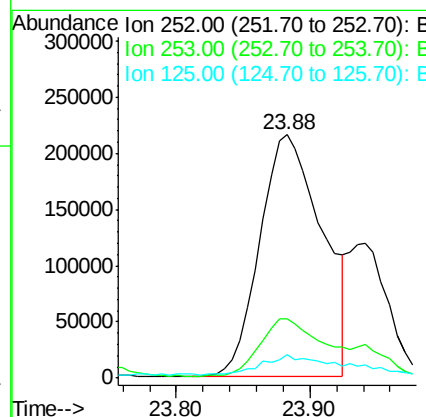
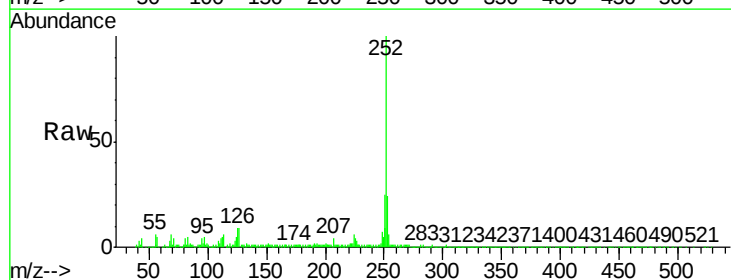
RT: 23.88 min Scan# 3540

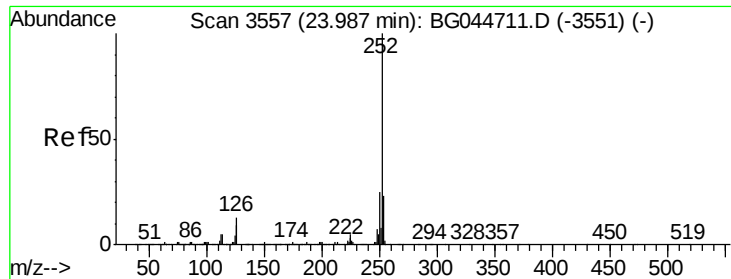
Delta R.T. 0.00 min

Lab File: BG044974.D

Acq: 8 Apr 2020 13:19

Tgt Ion:	252	Resp:	701192
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.1	27.1
125	9.5	6.6	9.8





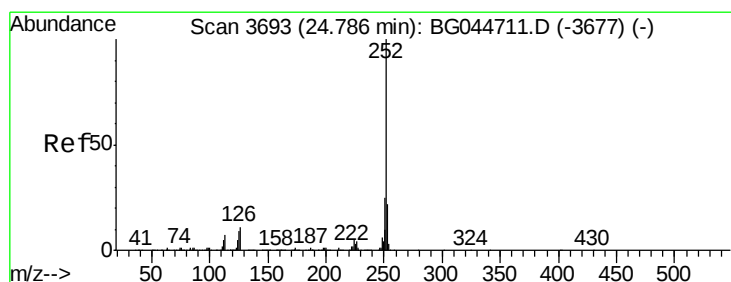
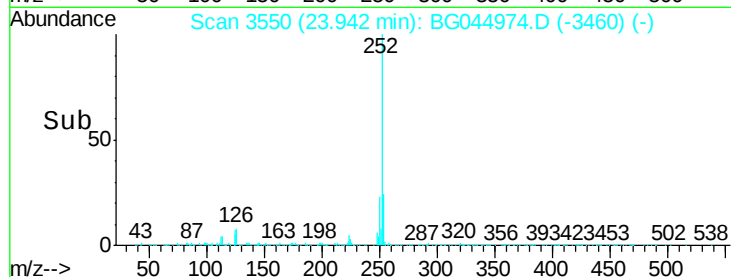
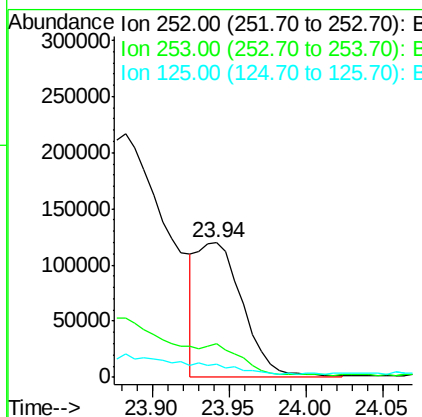
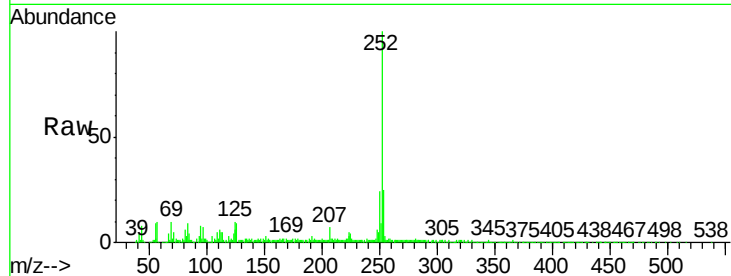
#89
Benzo(k)fluoranthene
Concen: 8.164 ng m
RT: 23.94 min Scan# 3550
Delta R.T. -0.00 min
Lab File: BG044974.D
Acq: 8 Apr 2020 13:19

Instrument :
BNA_G
ClientSampleId :
TP-9DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.5	27.7
125	9.6	6.2	9.2#

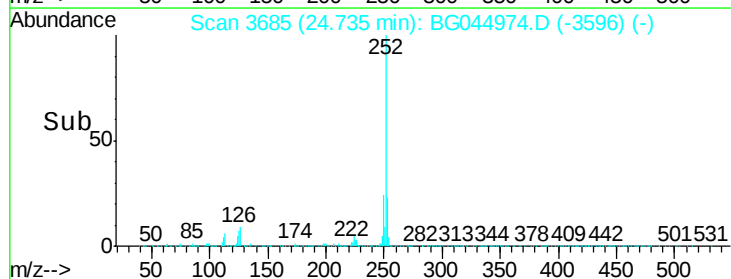
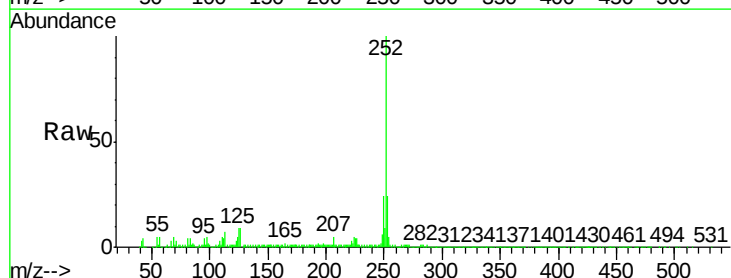
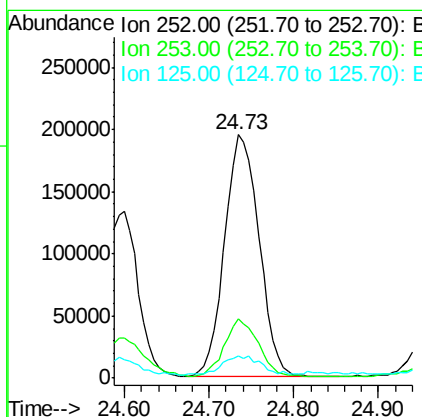
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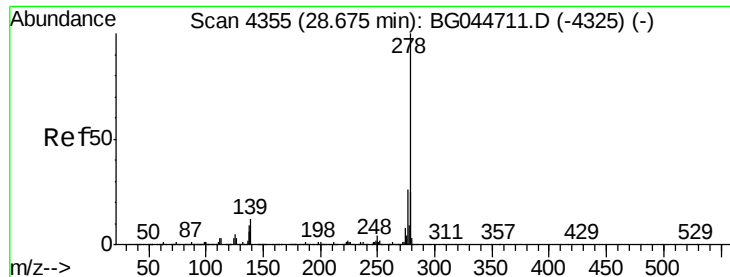
mohammad
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#90
Benzo(a)pyrene
Concen: 18.224 ng
RT: 24.73 min Scan# 3685
Delta R.T. -0.01 min
Lab File: BG044974.D
Acq: 8 Apr 2020 13:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.4	29.0
125	8.9	7.2	10.8





#91

Dibenzo(a,h)anthracene

Concen: 3.079 ng

RT: 28.56 min Scan# 4337

Delta R.T. -0.04 min

Lab File: BG044974.D

Acq: 8 Apr 2020 13:19

Instrument :

BNA_G

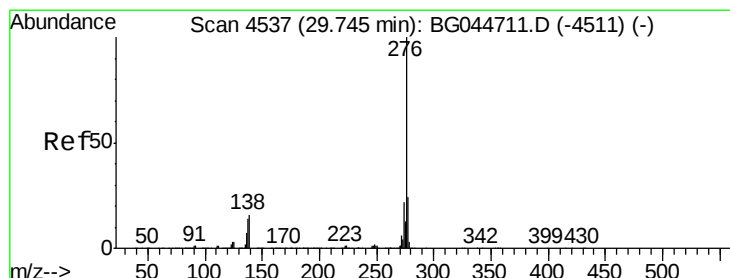
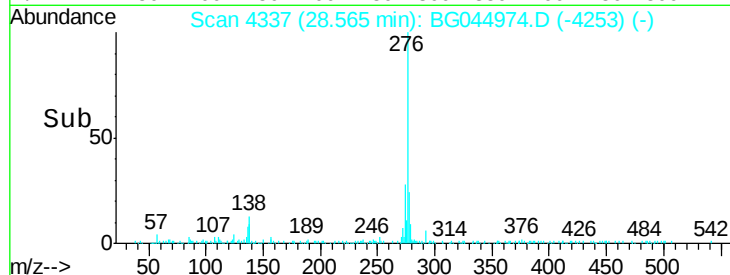
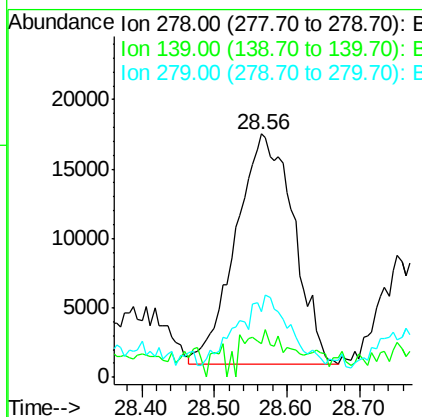
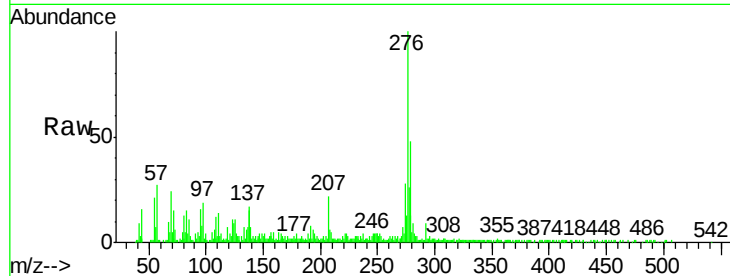
ClientSampled :

TP-9DL

Tot Ion:	278	Resp:	91837
Ion	Ratio	Lower	Upper
278	100		
139	14.0	10.2	15.2
279	27.2	18.9	28.3

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#92

Benzo(g,h,i)perylene

Concen: 12.560 ng

RT: 29.66 min Scan# 4523

Delta R.T. -0.02 min

Lab File: BG044974.D

Acq: 8 Apr 2020 13:19

Tgt Ion:	276	Resp:	378469
Ion	Ratio	Lower	Upper
276	100		
277	23.6	20.1	30.1
138	14.6	13.0	19.6

