

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042420\
 Data File : BG045173.D
 Acq On : 24 Apr 2020 23:03
 Operator : CG/JU
 Sample : L2118-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-042320

Manual Integrations
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Quant Time: Apr 25 01:18:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 13:58:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	72205	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	281438	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	206013	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	482832	20.00	ng	0.00
76) Chrysene-d12	21.64	240	461931	20.00	ng	-0.01
87) Perylene-d12	24.82	264	492905	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	53516	12.24	ng	0.00
7) Phenol-d6	7.16	99	80382	12.37	ng	0.00
23) Nitrobenzene-d5	9.15	82	55631	9.02	ng	-0.01
42) 2,4,6-Tribromophenol	16.13	330	41149	12.93	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	134478	9.57	ng	0.00
79) Terphenyl-d14	19.99	244	245416	11.58	ng	0.00
Target Compounds						
71) Phenanthrene	17.42	178	67296	2.712	ng	96
75) Fluoranthene	19.43	202	375116	7.756	ng	96
78) Pyrene	19.79	202	414447	13.014	ng	95
81) Benzo(a)anthracene	21.62	228	243136	8.121	ng	99
83) Chrysene	21.69	228	230383	8.009	ng	97
86) Indeno(1,2,3-cd)pyrene	28.41	276	180309	4.721	ng	# 56
88) Benzo(b)fluoranthene	23.82	252	358533	11.612	ng	94
89) Benzo(k)fluoranthene	23.87	252	113592m	3.869	ng	
90) Benzo(a)pyrene	24.66	252	214888	7.372	ng	96
92) Benzo(g,h,i)perylene	29.54	276	175581	5.962	ng	98

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

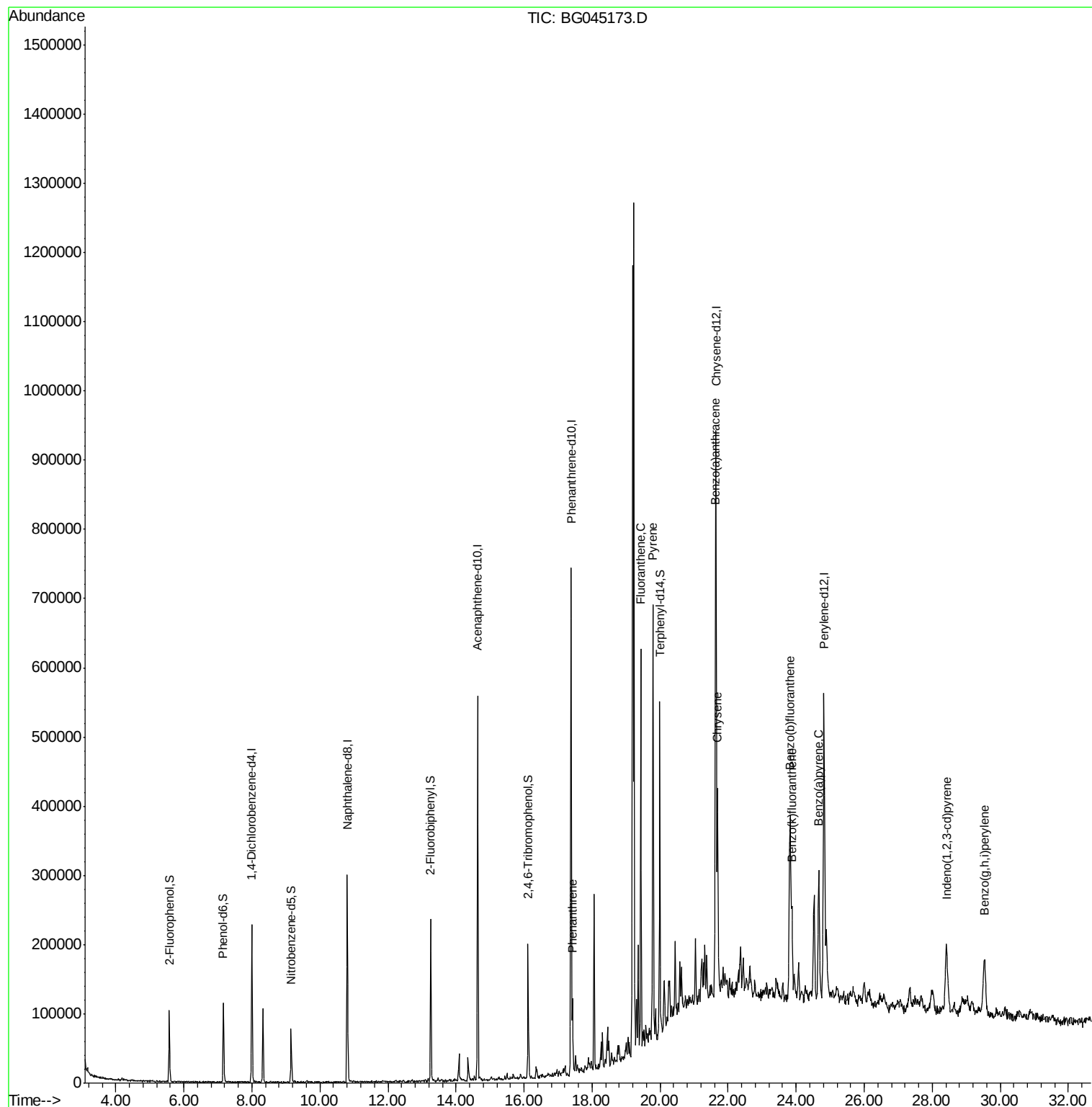
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042420\
Data File : BG045173.D
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Misc :
ALS Vial : 18 Sample Multiplier: 1

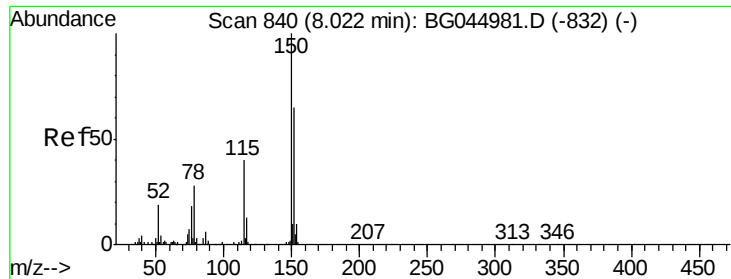
Instrument :
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EO-02-042320

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 835

Delta R.T. -0.01 min

Lab File: BG045173.D

Acq: 24 Apr 2020 23:03

Instrument :

BNA_G

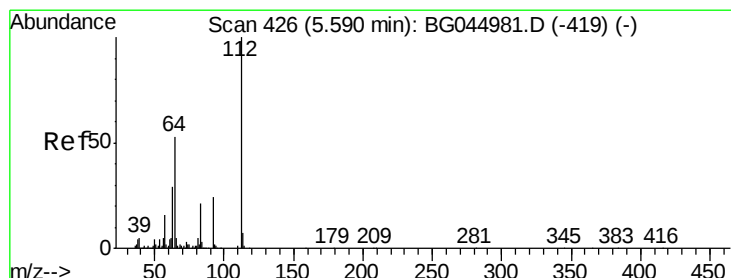
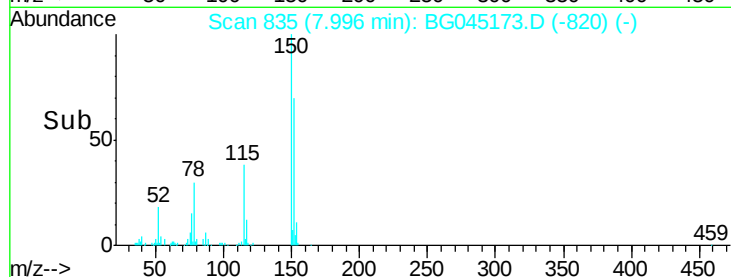
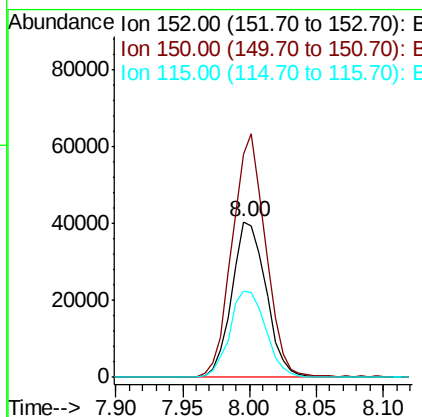
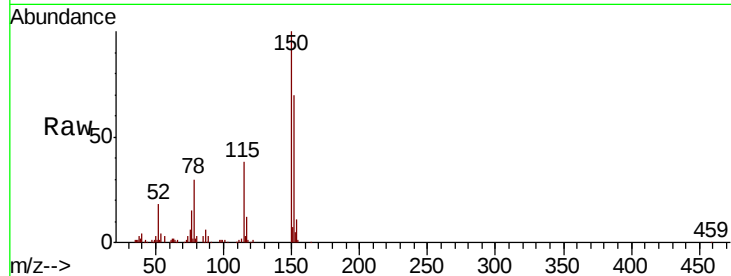
ClientSampleId :

EO-02-042320

Tot Ion:	152	Resp:	72205
Ion	Ratio	Lower	Upper
152	100		
150	143.7	123.6	185.4
115	55.3	49.1	73.7

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#5

2-Fluorophenol

Concen: 12.236 ng

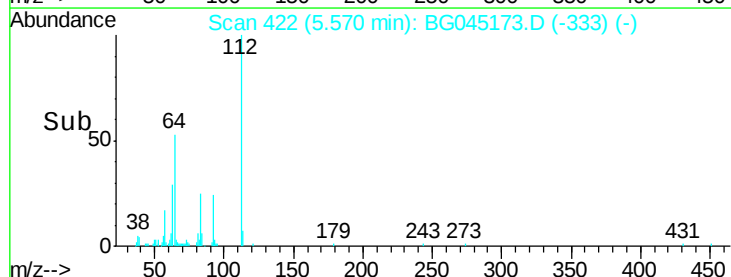
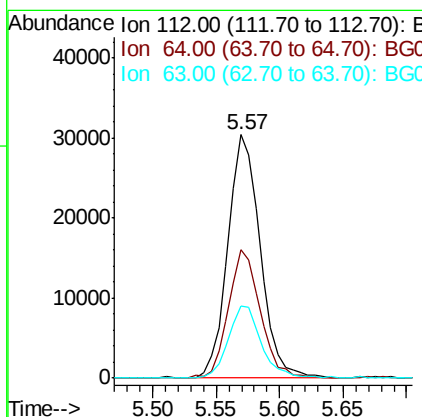
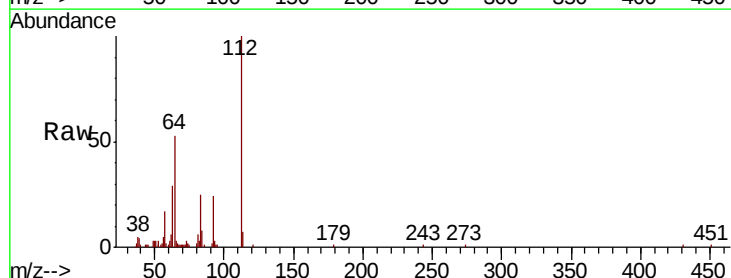
RT: 5.57 min Scan# 422

Delta R.T. -0.01 min

Lab File: BG045173.D

Acq: 24 Apr 2020 23:03

Tgt Ion:	112	Resp:	53516
Ion	Ratio	Lower	Upper
112	100		
64	52.6	42.4	63.6
63	29.5	23.1	34.7





#7

Phenol-d6

Concen: 12.370 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG045173.D

Acq: 24 Apr 2020 23:03

Instrument :

BNA_G

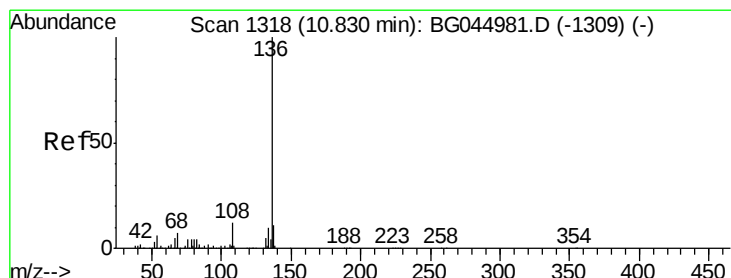
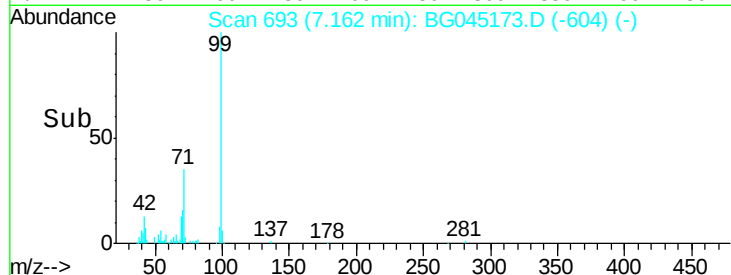
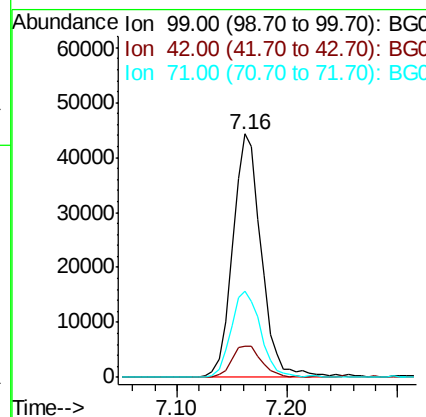
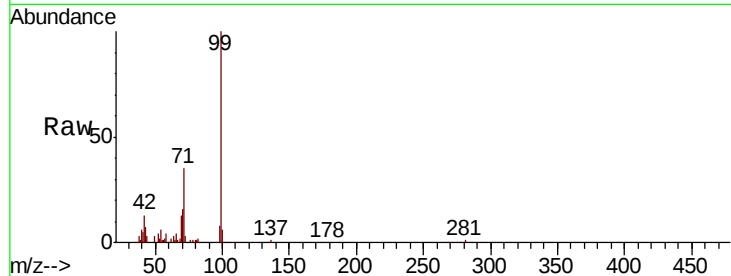
ClientSampleId :

EO-02-042320

Tot Ion:	99	Resp:	80382
Ion	Ratio	Lower	Upper
99	100		
42	12.9	11.3	16.9
71	35.2	28.3	42.5

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#21

Naphthalene-d8

Concen: 20.000 ng

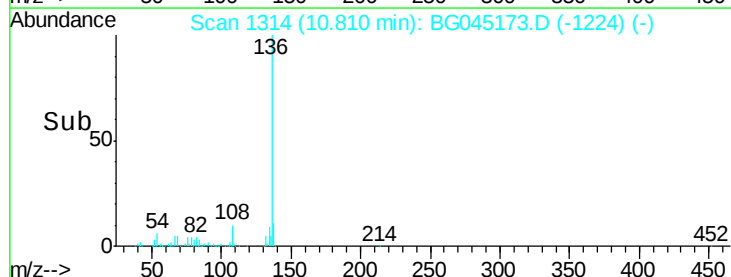
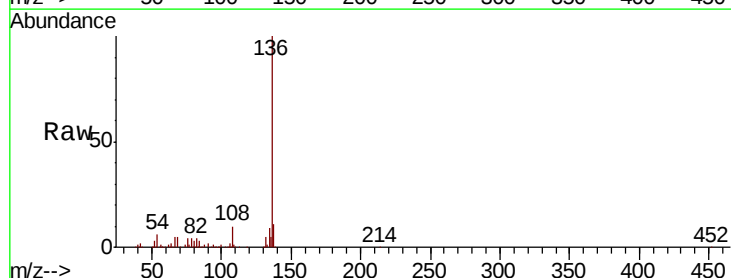
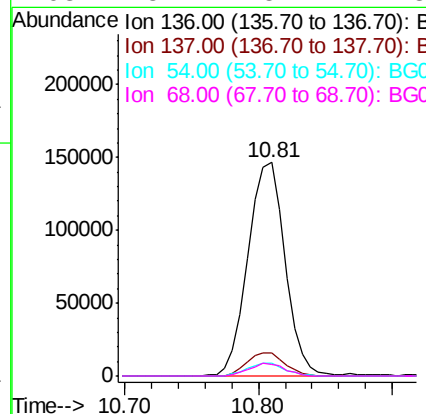
RT: 10.81 min Scan# 1314

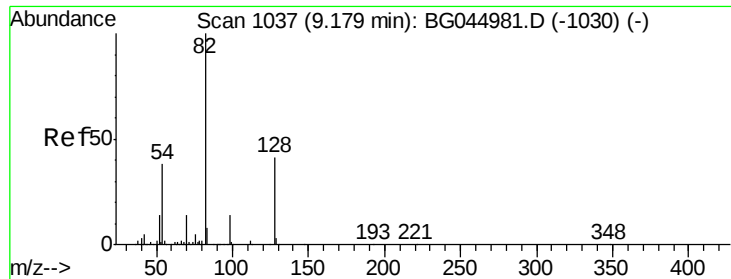
Delta R.T. -0.00 min

Lab File: BG045173.D

Acq: 24 Apr 2020 23:03

Tgt Ion:	136	Resp:	281438
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	6.1	4.8	7.2
68	5.4	5.2	7.8





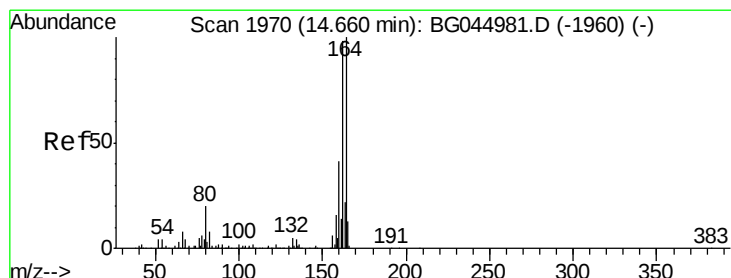
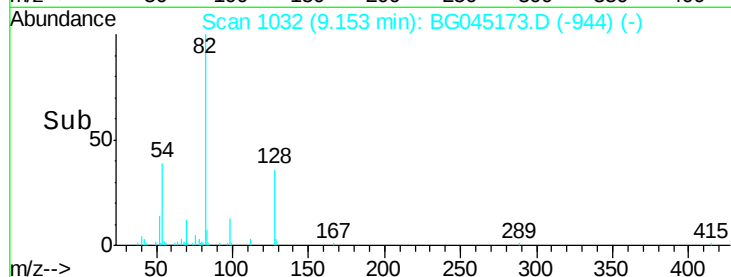
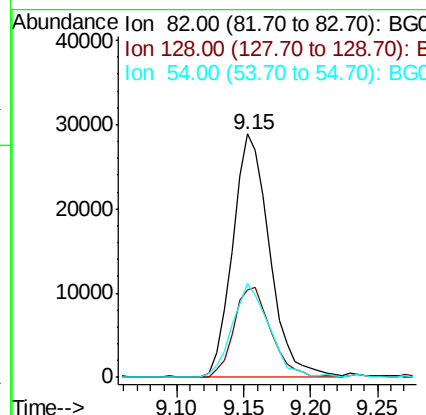
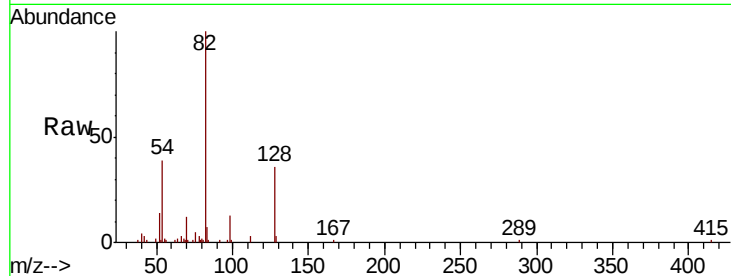
#23
 Nitrobenzene-d5
 Concen: 9.019 ng
 RT: 9.15 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: BG045173.D
 Acq: 24 Apr 2020 23:03

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-042320

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.2	33.0	49.4
54	38.8	30.4	45.6

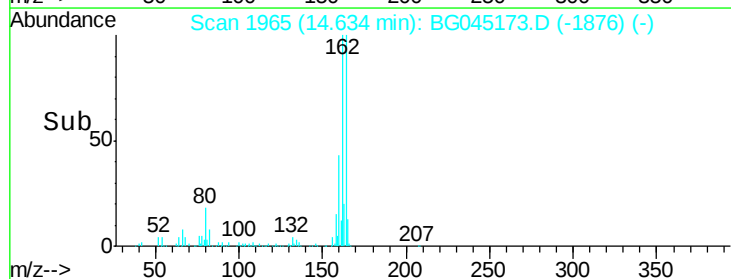
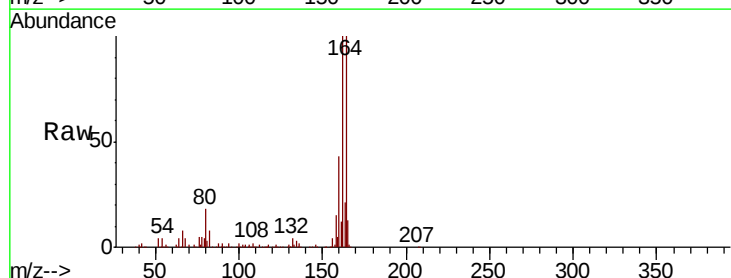
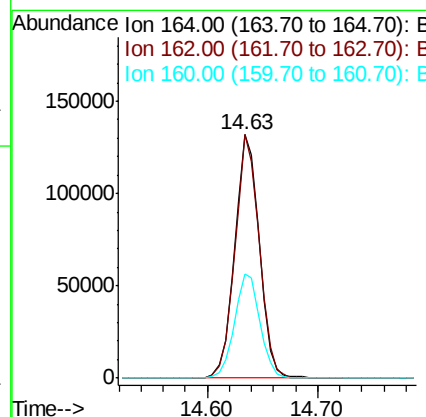
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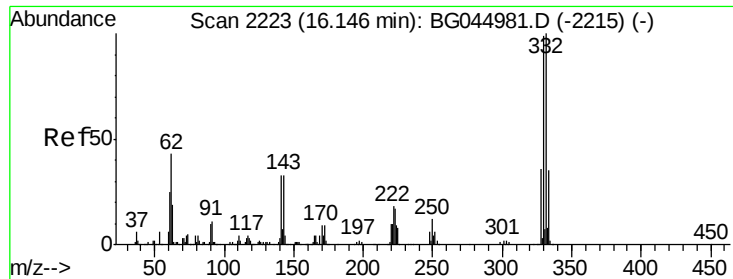
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. -0.01 min
 Lab File: BG045173.D
 Acq: 24 Apr 2020 23:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	78.7	118.1
160	42.7	32.8	49.2





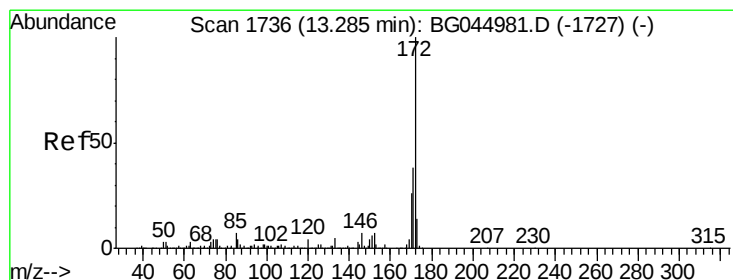
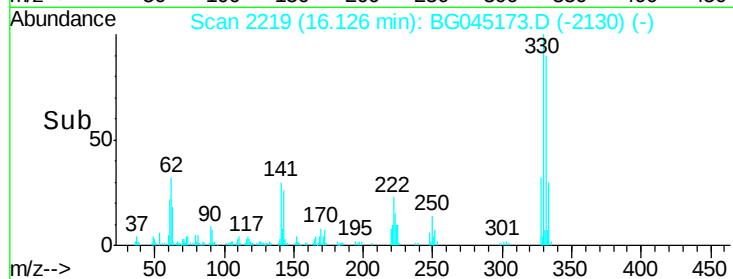
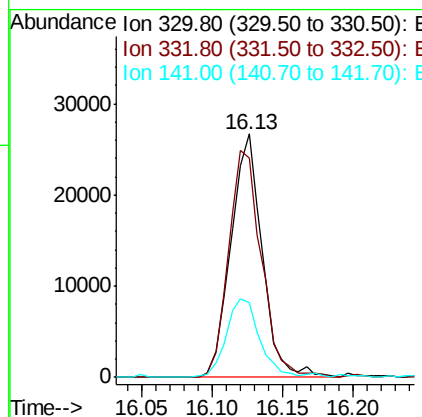
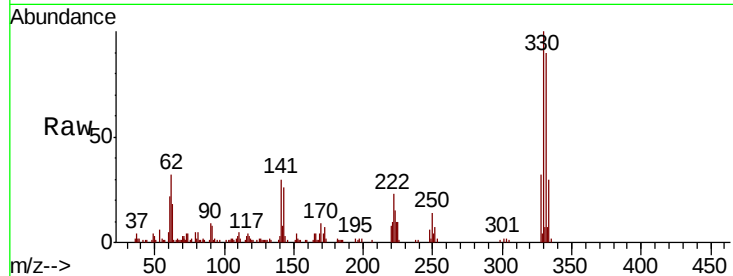
#42
 2,4,6-Tribromophenol
 Concen: 12.929 ng
 RT: 16.13 min Scan# 2219
 Delta R.T. -0.01 min
 Lab File: BG045173.D
 Acq: 24 Apr 2020 23:03

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-042320

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	79.1	118.7
141	35.2	27.1	40.7

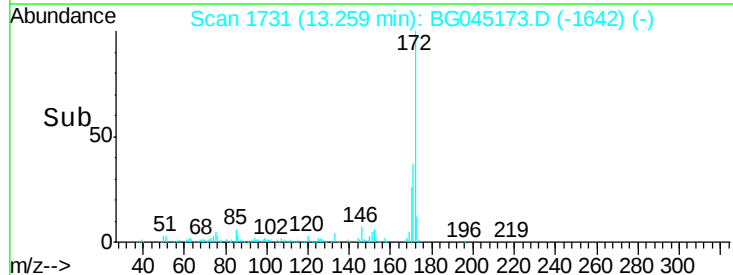
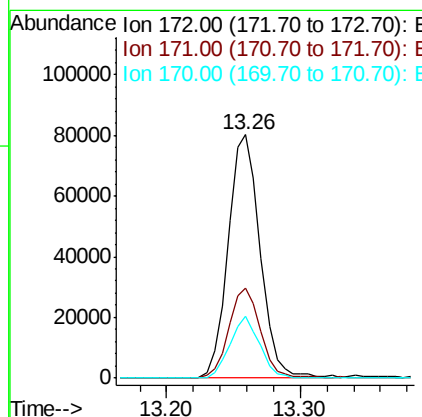
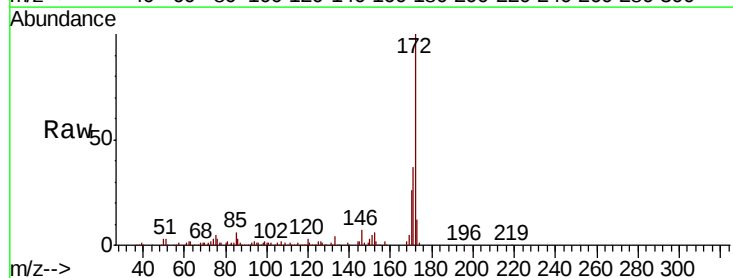
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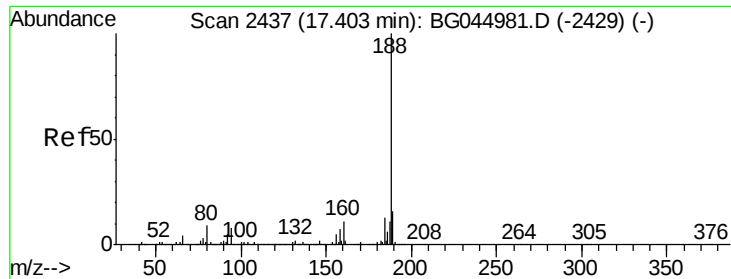
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#45
 2-Fluorobiphenyl
 Concen: 9.572 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG045173.D
 Acq: 24 Apr 2020 23:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.6	46.0
170	25.7	20.5	30.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BG045173.D

Acq: 24 Apr 2020 23:03

Instrument :

BNA_G

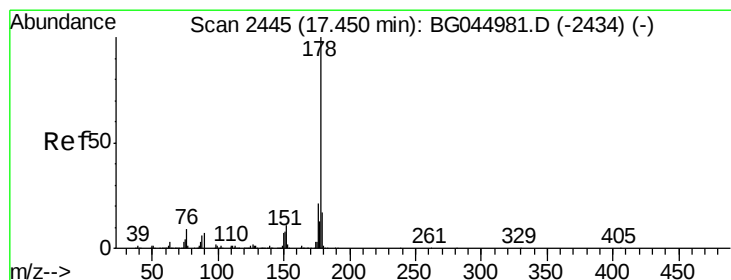
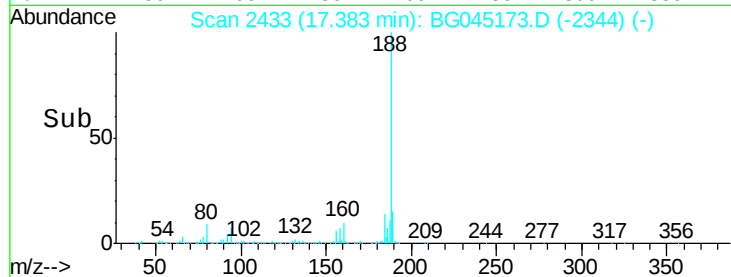
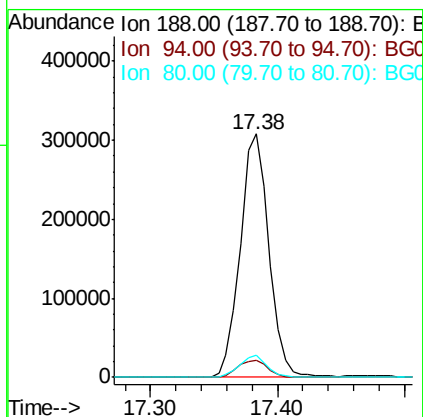
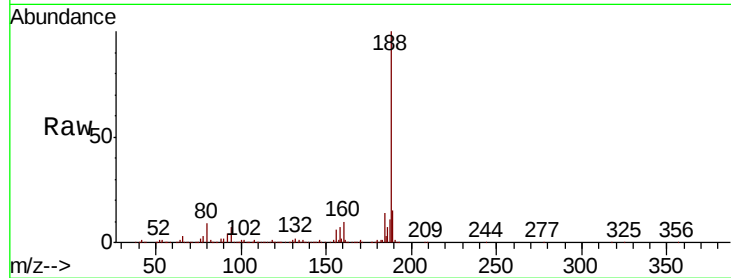
ClientSampleId :

EO-02-042320

Tot Ion:	188	Resp:	482832
Ion Ratio	Lower	Upper	
188	100		
94	7.2	6.2	9.4
80	8.9	7.0	10.6

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#71

Phenanthrene

Concen: 2.712 ng

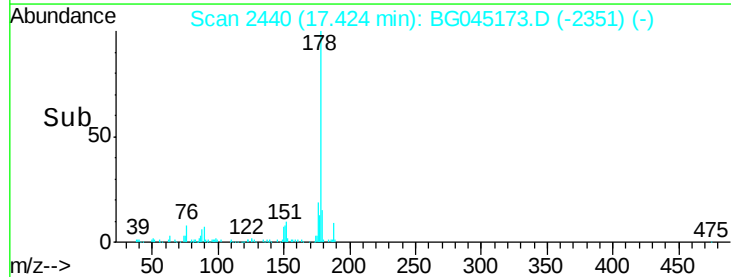
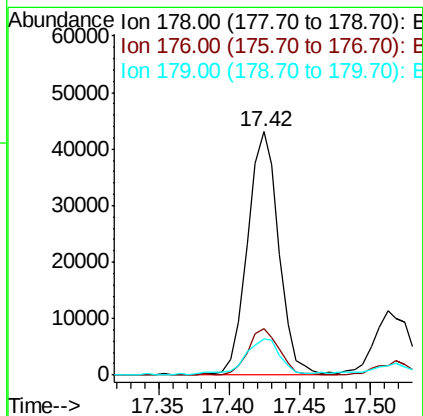
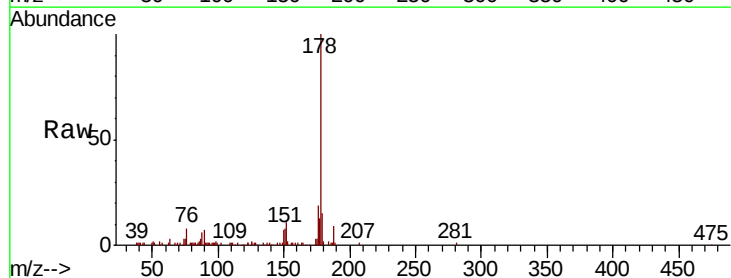
RT: 17.42 min Scan# 2440

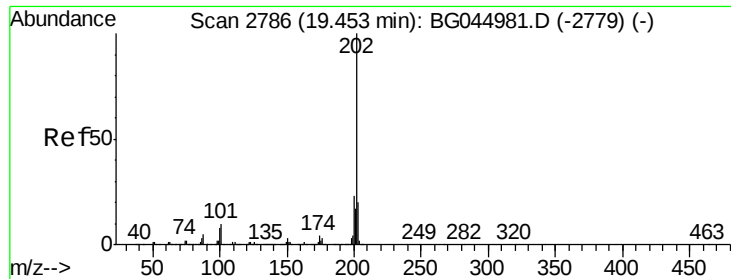
Delta R.T. -0.01 min

Lab File: BG045173.D

Acq: 24 Apr 2020 23:03

Tgt Ion:	178	Resp:	67296
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.8	25.2
179	15.0	13.2	19.8





#75

Fluoranthene

Concen: 7.756 ng

RT: 19.43 min Scan# 2782

Delta R.T. -0.01 min

Lab File: BG045173.D

Acq: 24 Apr 2020 23:03

Instrument :

BNA_G

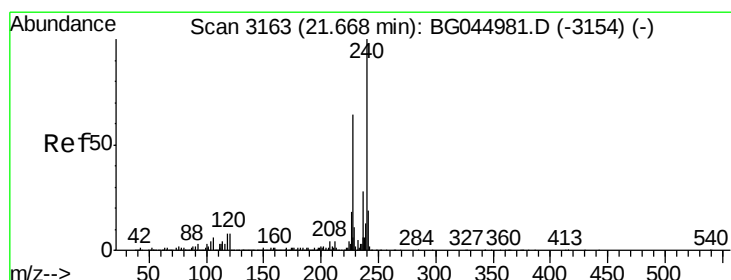
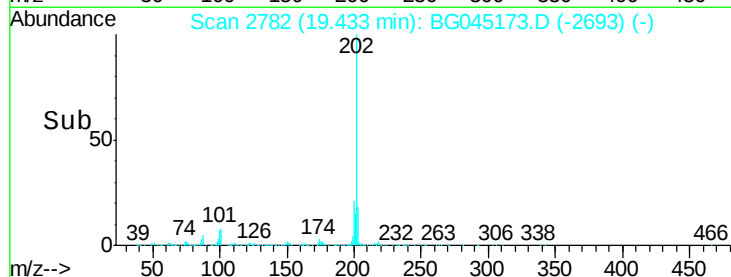
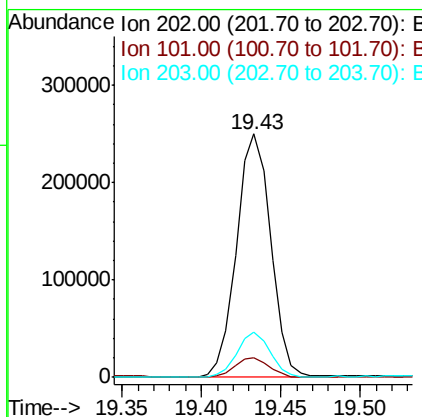
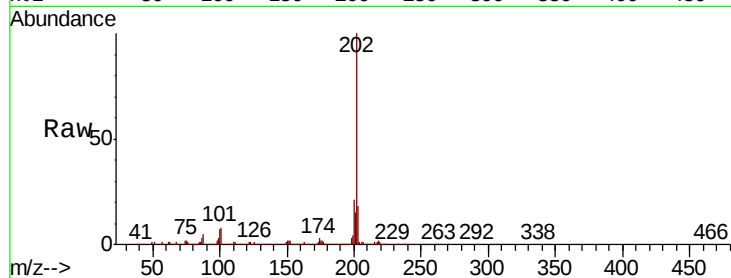
ClientSampleId :

EO-02-042320

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		375116		
101	7.9	0.0	29.6		
203	18.3	0.0	39.7		

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#76

Chrysene-d12

Concen: 20.000 ng

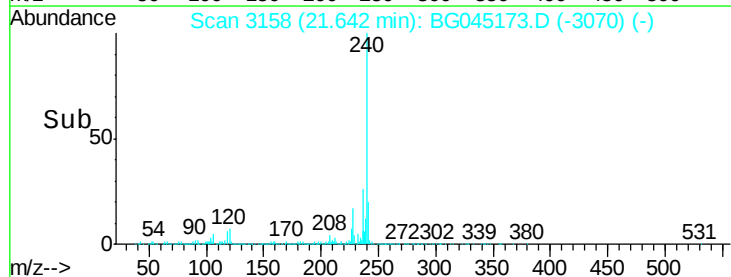
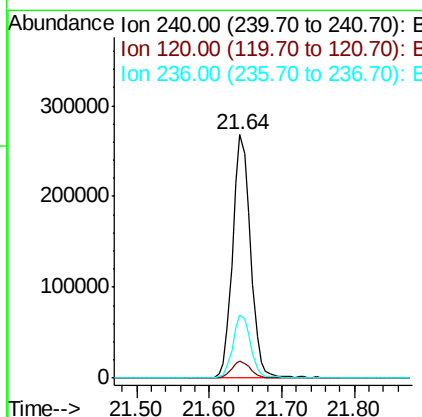
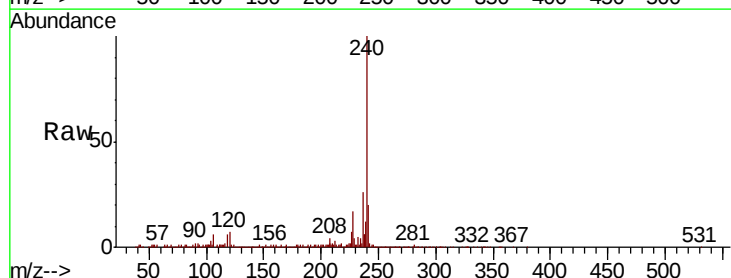
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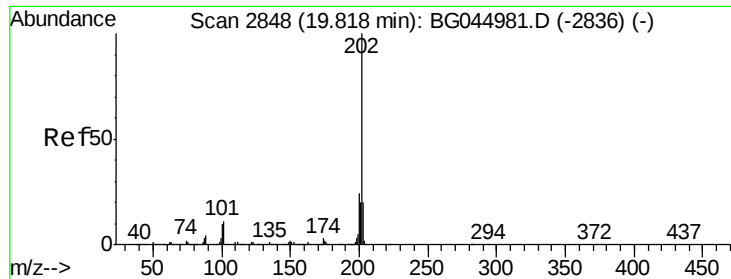
Delta R.T. -0.01 min

Lab File: BG045173.D

Acq: 24 Apr 2020 23:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		461931		
120	7.3	6.6	10.0		
236	25.8	22.2	33.2		





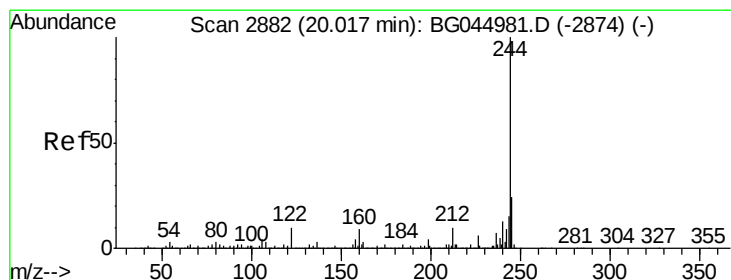
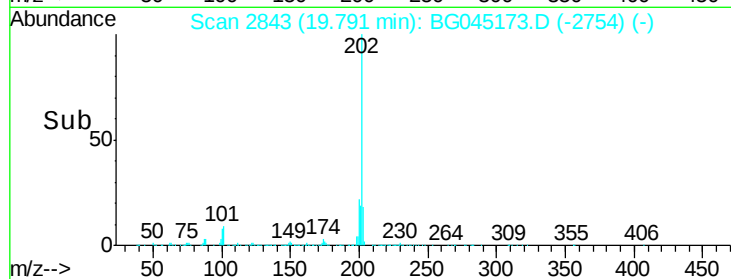
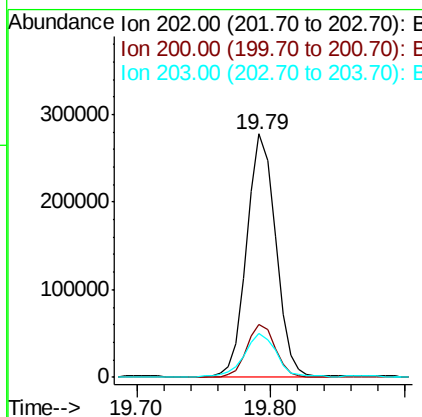
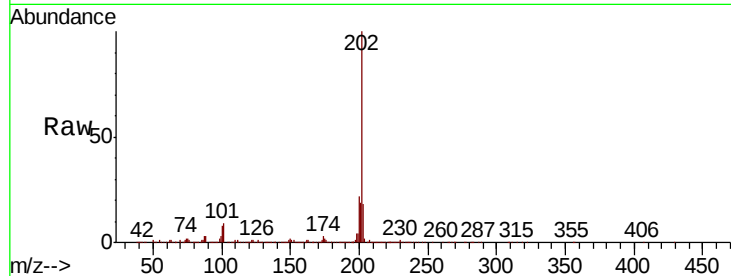
#78
Pvrene
Concen: 13.014 ng
RT: 19.79 min Scan# 2843
Delta R.T. -0.01 min
Lab File: BG045173.D
Acq: 24 Apr 2020 23:03

Instrument :
BNA_G
ClientSampleId :
EO-02-042320

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	19.0	28.6
203	17.8	16.1	24.1

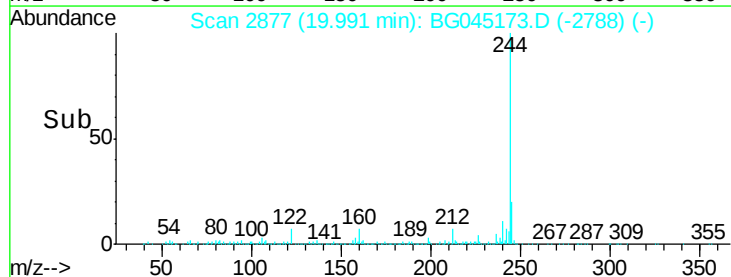
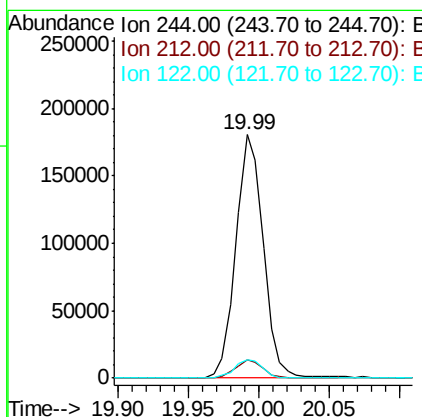
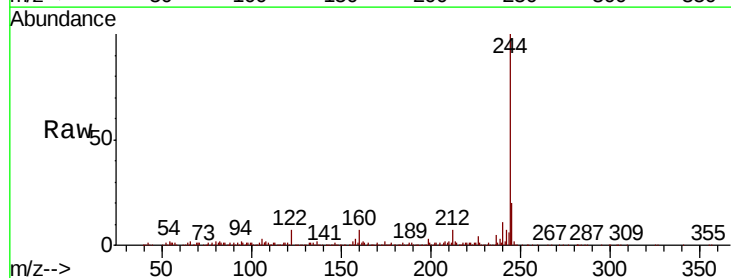
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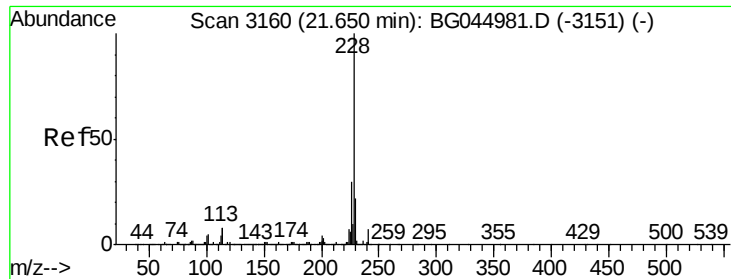
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#79
Terphenyl-d14
Concen: 11.580 ng
RT: 19.99 min Scan# 2877
Delta R.T. -0.01 min
Lab File: BG045173.D
Acq: 24 Apr 2020 23:03

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	7.9	11.9#
122	7.4	7.7	11.5#





#81

Benzo(a)anthracene

Concen: 8.121 ng

RT: 21.62 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG045173.D

Acq: 24 Apr 2020 23:03

Instrument :

BNA_G

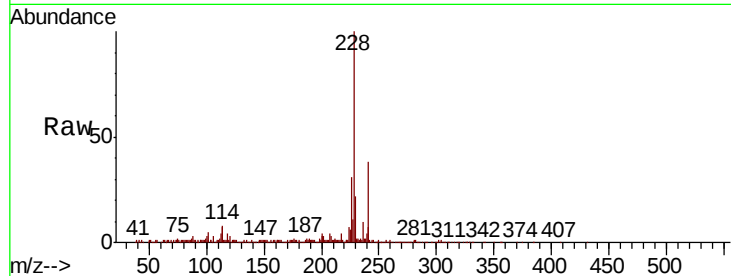
ClientSampleId :

EO-02-042320

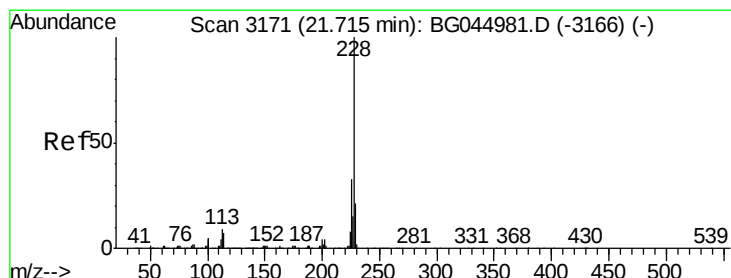
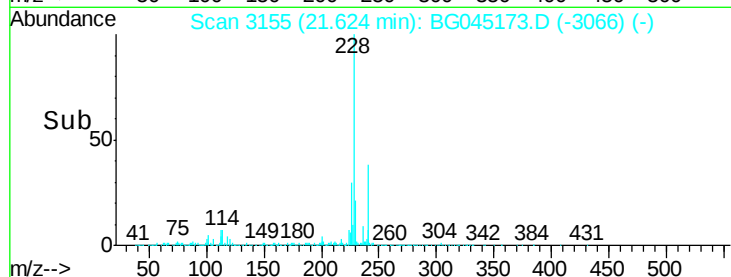
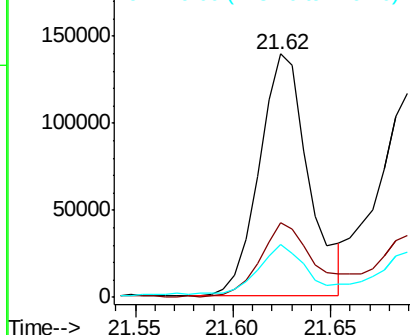
Tot Ion:	228	Resp:	243136
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.0	36.0
229	21.5	17.5	26.3

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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: 8.009 ng

RT: 21.69 min Scan# 3166

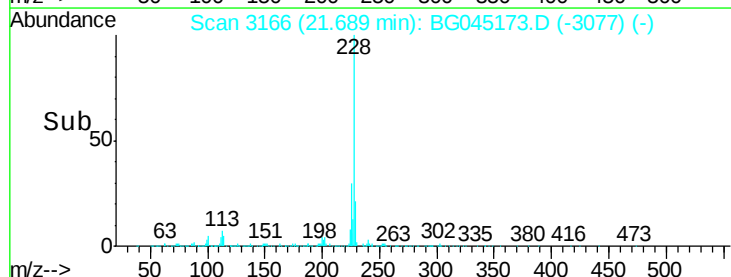
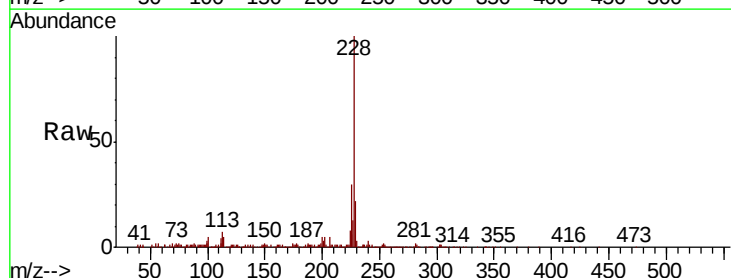
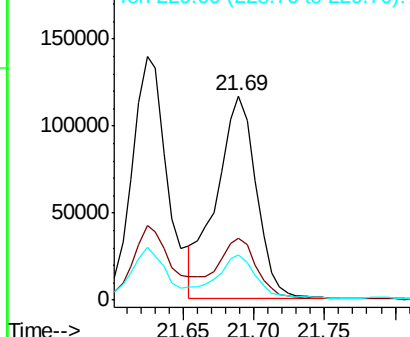
Delta R.T. -0.01 min

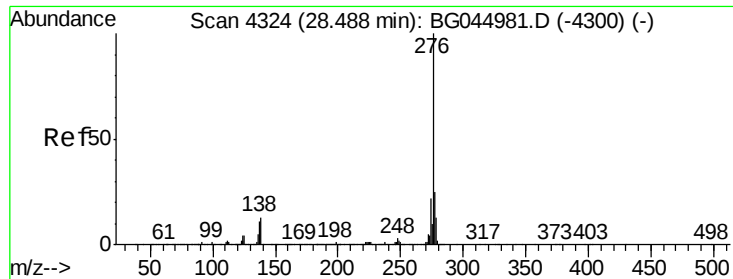
Lab File: BG045173.D

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Tgt Ion:	228	Resp:	230383
Ion Ratio	Lower	Upper	
228	100		
226	30.0	26.2	39.4
229	21.8	17.0	25.6

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





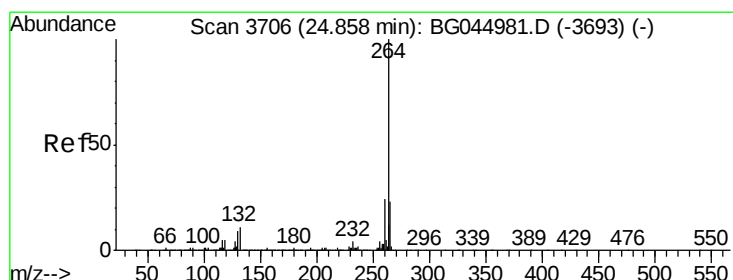
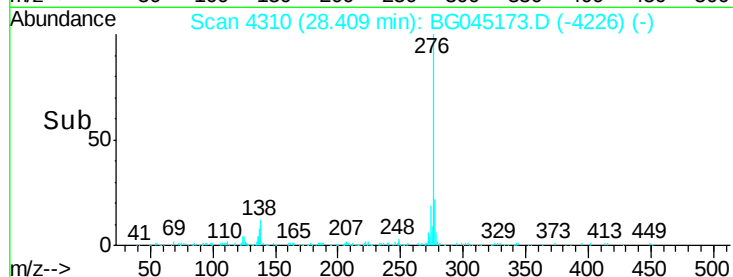
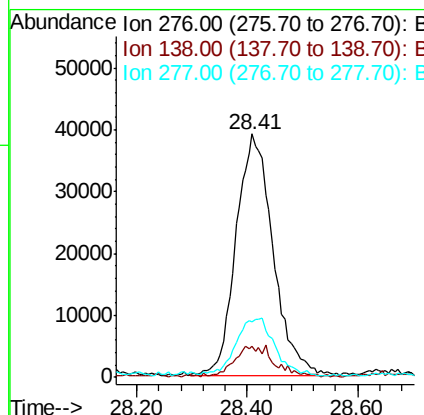
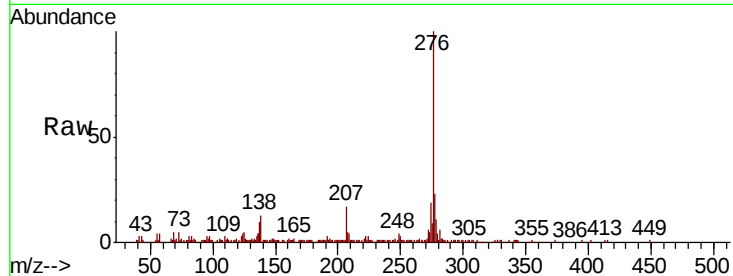
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.721 ng
RT: 28.41 min Scan# 4310
Delta R.T. -0.04 min
Lab File: BG045173.D
Acq: 24 Apr 2020 23:03

Instrument :
BNA_G
ClientSampleId :
EO-02-042320

Tot Ion	Ratio	Resp	Lower	Upper
276	100	180309		
138	0.0	9.6	14.4#	
277	0.0	20.6	31.0#	

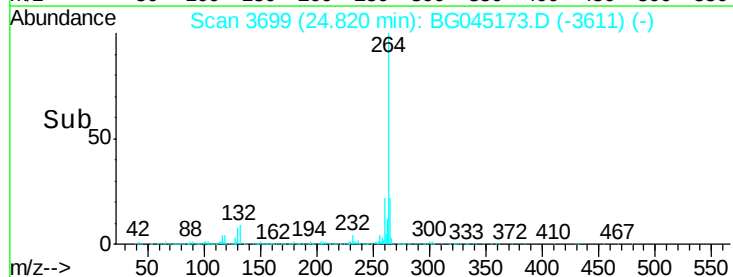
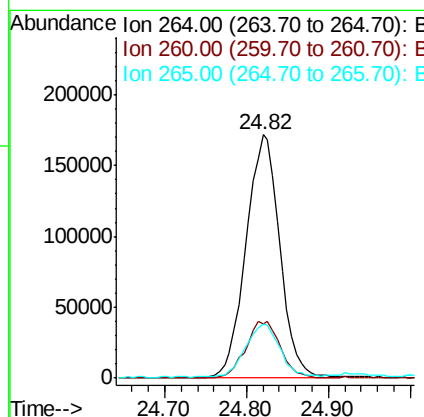
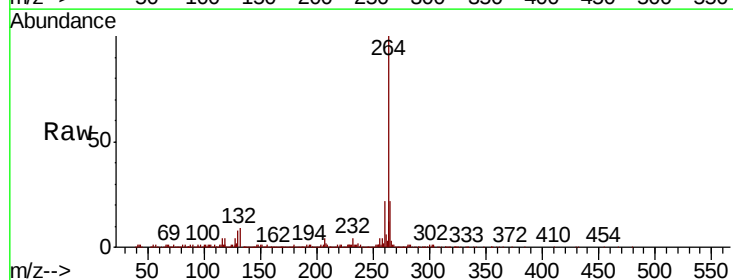
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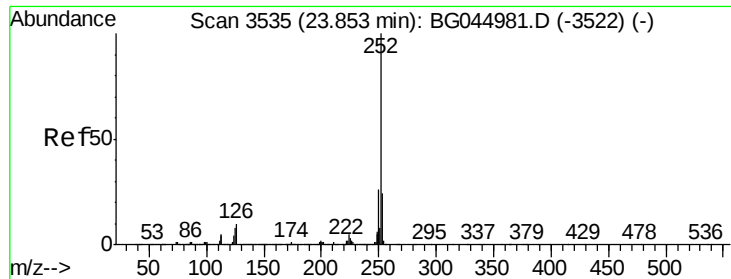
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#87
Perylene-d12
Concen: 20.000 ng
RT: 24.82 min Scan# 3699
Delta R.T. -0.01 min
Lab File: BG045173.D
Acq: 24 Apr 2020 23:03

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	492905		
260	22.0	19.2	28.8	
265	22.5	19.0	28.4	





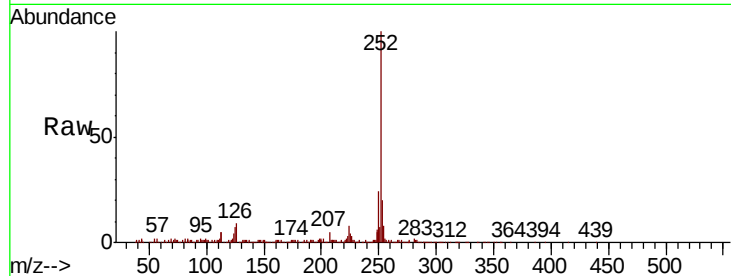
#88
Benzo(b)fluoranthene
Concen: 11.612 ng
RT: 23.82 min Scan# 3528
Delta R.T. -0.01 min
Lab File: BG045173.D
Acq: 24 Apr 2020 23:03

Instrument :
BNA_G
ClientSampleId :
EO-02-042320

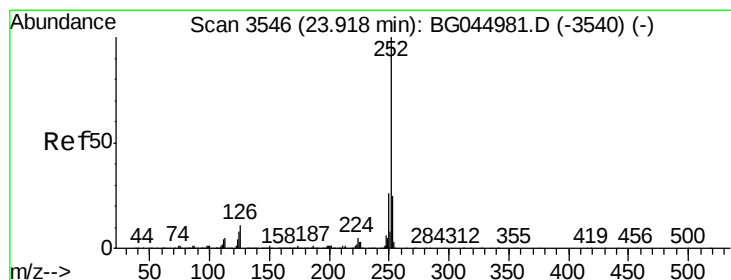
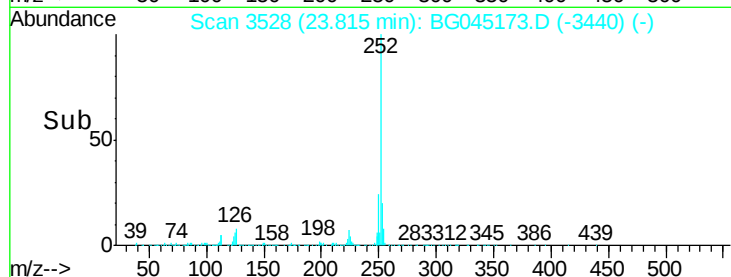
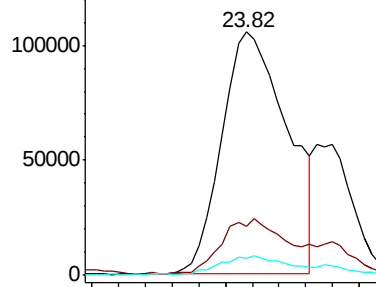
Tot Ion	Ratio	Lower	Upper
252	100		
253	20.1	18.8	28.2
125	7.0	6.2	9.4

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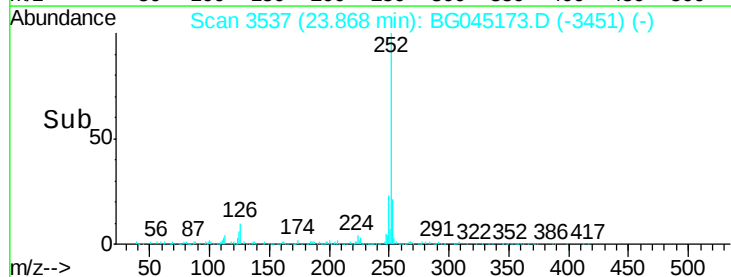
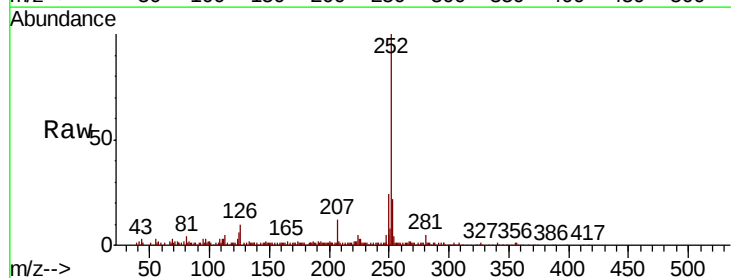
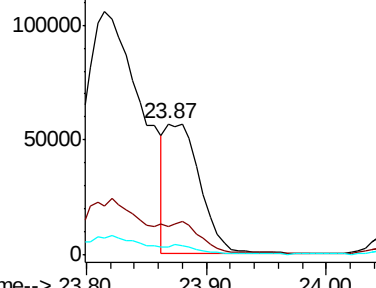
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

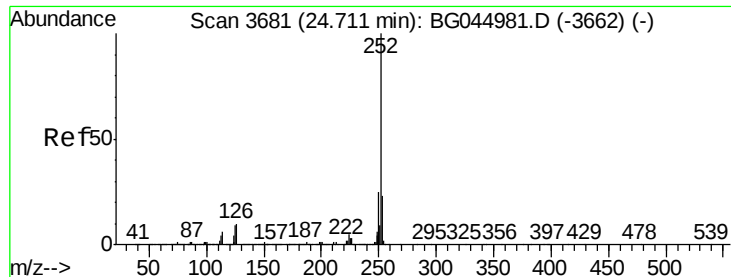


#89
Benzo(k)fluoranthene
Concen: 3.869 ng m
RT: 23.87 min Scan# 3537
Delta R.T. -0.03 min
Lab File: BG045173.D
Acq: 24 Apr 2020 23:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	19.2	28.8
125	6.5	5.9	8.9

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





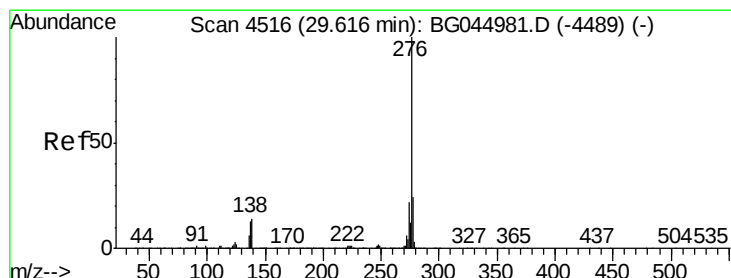
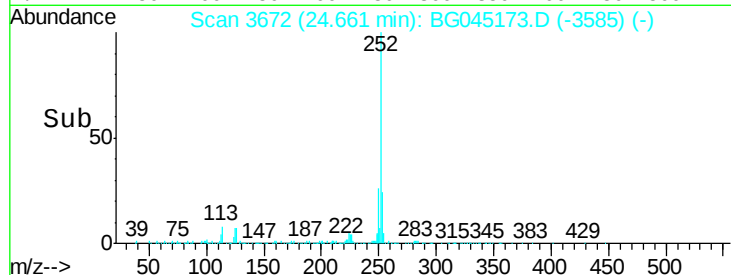
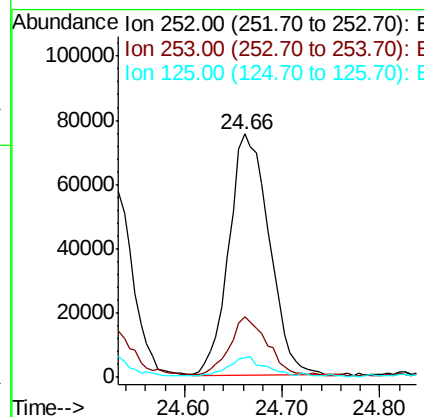
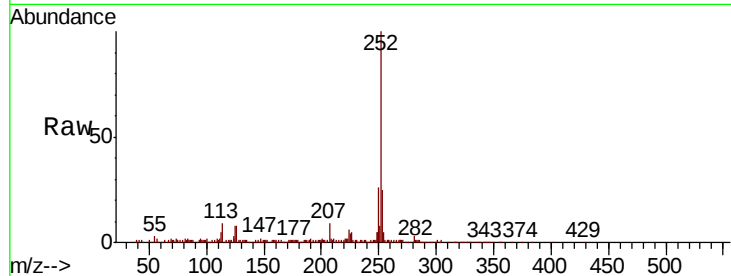
#90
Benzo(a)pyrene
Concen: 7.372 ng
RT: 24.66 min Scan# 3672
Delta R.T. -0.02 min
Lab File: BG045173.D
Acq: 24 Apr 2020 23:03

Instrument :
BNA_G
ClientSampleId :
EO-02-042320

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.3	27.5
125	7.9	7.0	10.6

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#92
Benzo(g,h,i)perylene
Concen: 5.962 ng
RT: 29.54 min Scan# 4502
Delta R.T. -0.03 min
Lab File: BG045173.D
Acq: 24 Apr 2020 23:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.3	28.9
138	13.5	11.4	17.2

