

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
 Data File : BF119523.D
 Acq On : 26 Mar 2020 2:43
 Operator : CG/JU
 Sample : L2013-07 10X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHD1-BC-IB-0-5

Manual Integrations
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mohammad
 3/27/2020 8:12:20 AM

Quant Time: Mar 26 07:24:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 18 15:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	283284	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	1052825	20.00	ng	-0.02
39) Acenaphthene-d10	9.89	164	538664	20.00	ng	-0.02
64) Phenanthrene-d10	11.37	188	951623	20.00	ng	-0.02
76) Chrysene-d12	14.01	240	547590	20.00	ng	-0.02
87) Perylene-d12	15.48	264	566306	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	199414	11.21	ng	-0.02
7) Phenol-d6	6.45	99	257558	11.33	ng	-0.02
23) Nitrobenzene-d5	7.40	82	153541	7.93	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	66094	11.89	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	317002	8.72	ng	-0.02
79) Terphenyl-d14	12.96	244	294678	10.54	ng	-0.02
Target Compounds						
71) Phenanthrene	11.39	178	171286	3.471	ng	Qvalue 99
75) Fluoranthene	12.59	202	385821	7.225	ng	97
78) Pyrene	12.82	202	333427	7.419	ng	97
80) Butylbenzylphthalate	13.44	149	55644	3.061	ng	93
81) Benzo(a)anthracene	14.00	228	155083	4.355	ng	96
83) Chrysene	14.04	228	136543	3.715	ng	96
84) Bis(2-ethylhexyl)phthalate	14.00	149	142560	6.579	ng	97
86) Indeno(1,2,3-cd)pyrene	16.93	276	80962	2.339	ng	# 92
88) Benzo(b)fluoranthene	15.05	252	182911m	4.835	ng	
90) Benzo(a)pyrene	15.42	252	131520	3.826	ng	97
92) Benzo(g,h,i)perylene	17.37	276	74211	2.457	ng	# 92

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

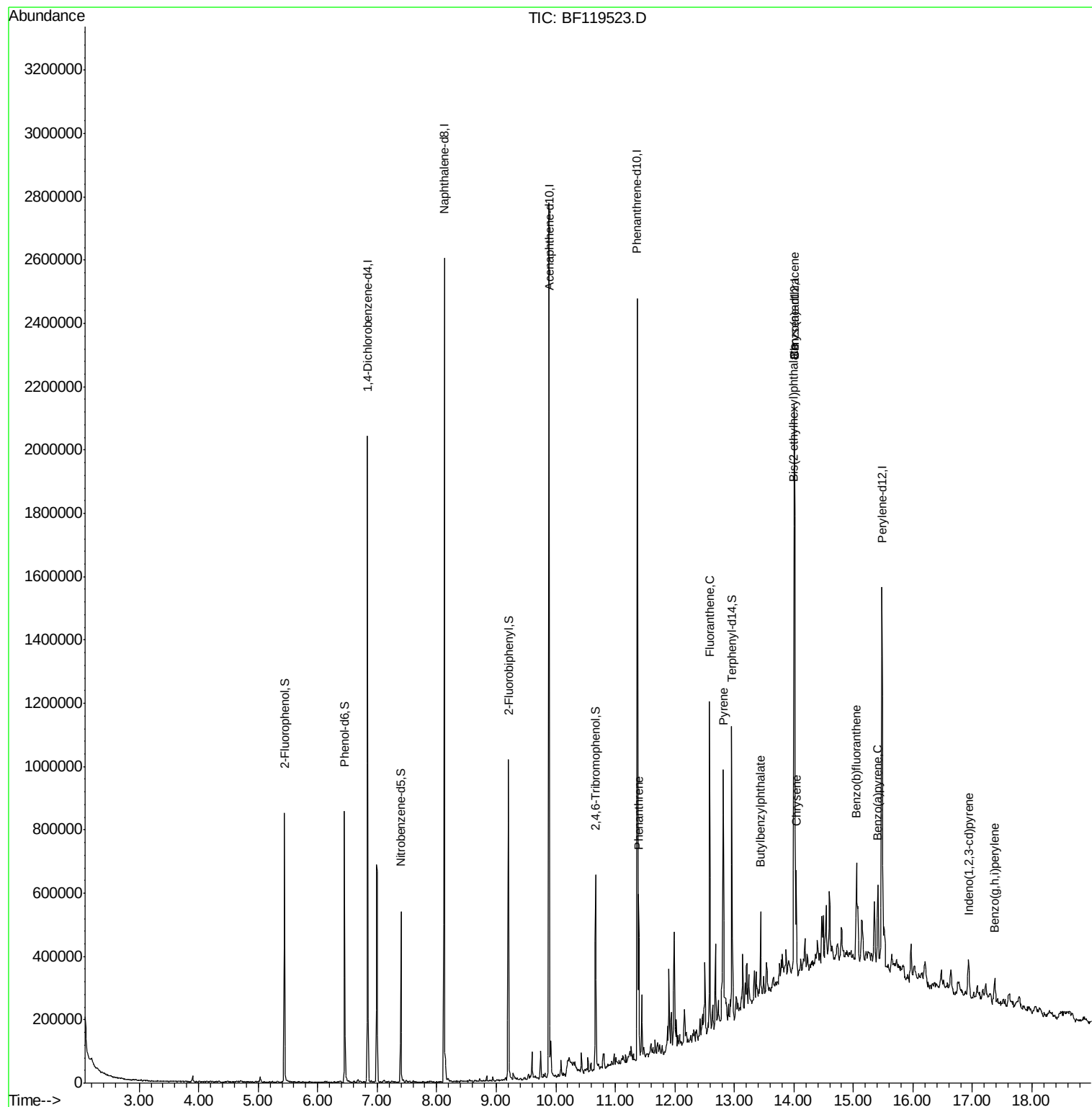
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
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ALS Vial : 26 Sample Multiplier: 1

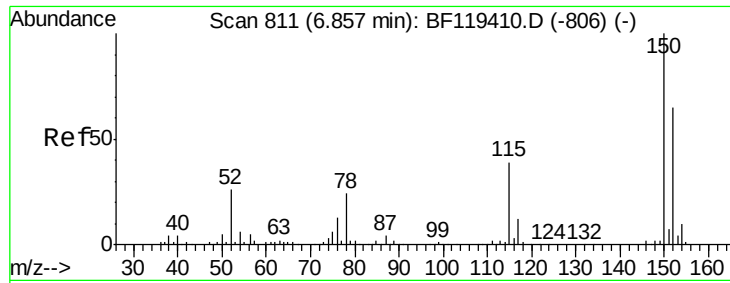
Instrument :
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GHD1-BC-IB-0-5

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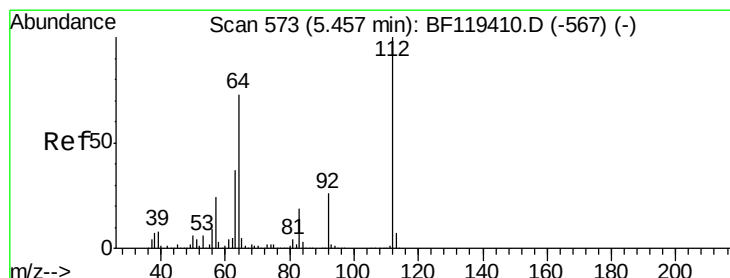
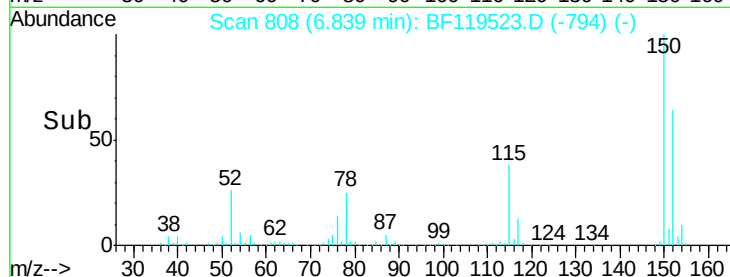
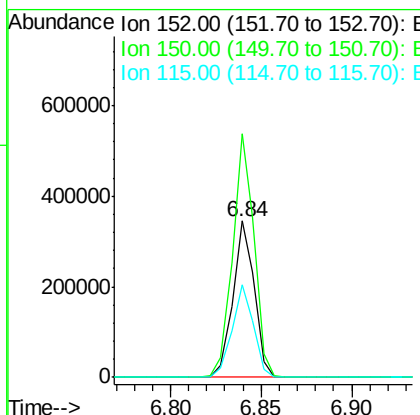
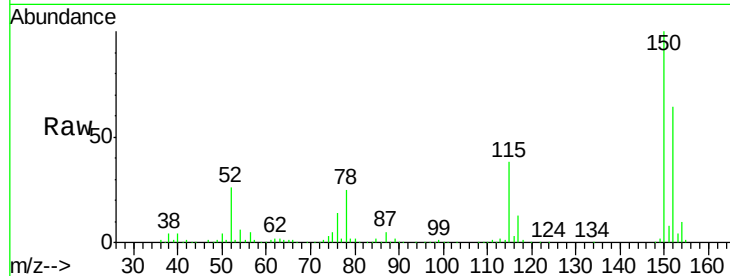
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.02 min
 Lab File: BF119523.D
 Acq: 26 Mar 2020 2:43

Instrument :
 BNA_F
 ClientSampleId :
 GHD1-BC-IB-0-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	123.9	185.9
115	58.8	47.8	71.6

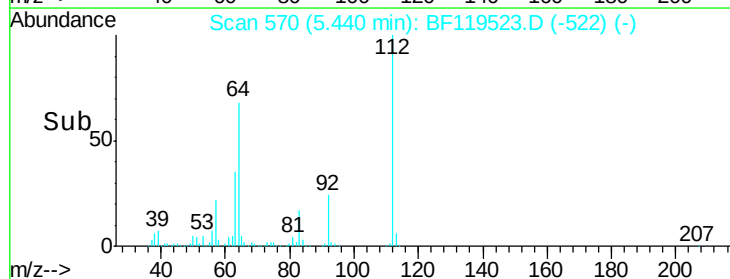
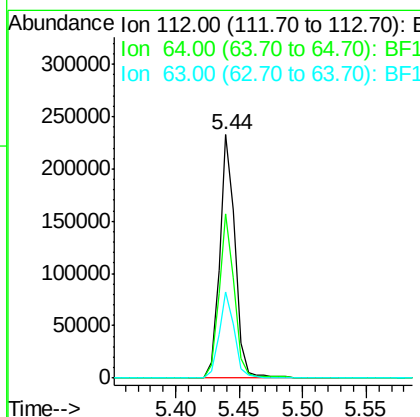
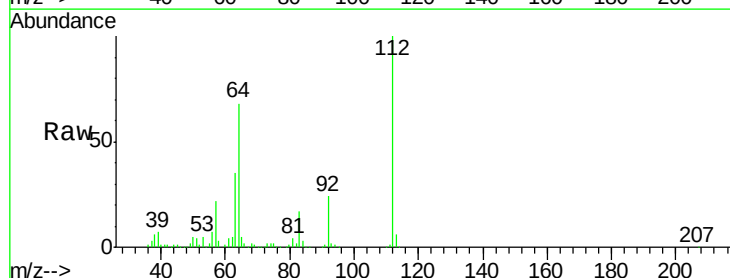
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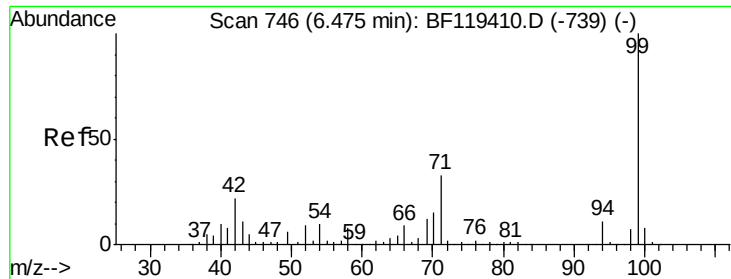
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#5
 2-Fluorophenol
 Concen: 11.206 ng
 RT: 5.44 min Scan# 570
 Delta R.T. -0.02 min
 Lab File: BF119523.D
 Acq: 26 Mar 2020 2:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.6	58.1	87.1
63	35.5	29.7	44.5





#7

Phenol-d6

Concen: 11.330 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF119523.D

Acq: 26 Mar 2020 2:43

Instrument :

BNA_F

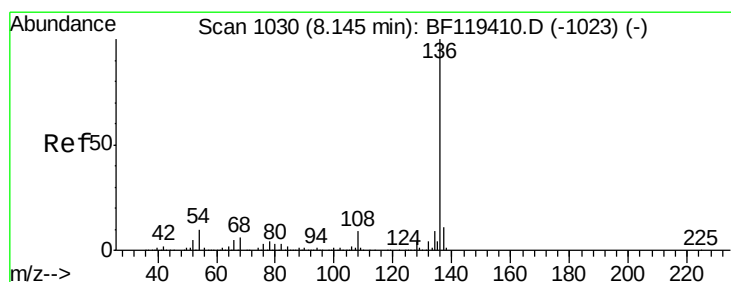
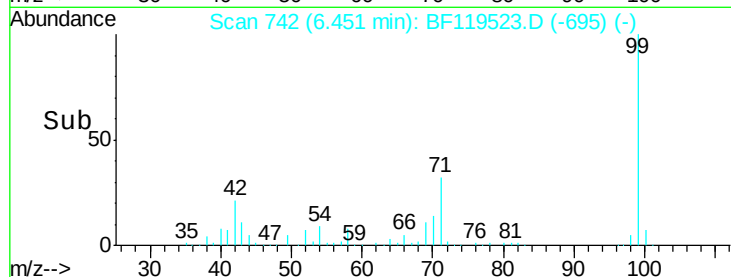
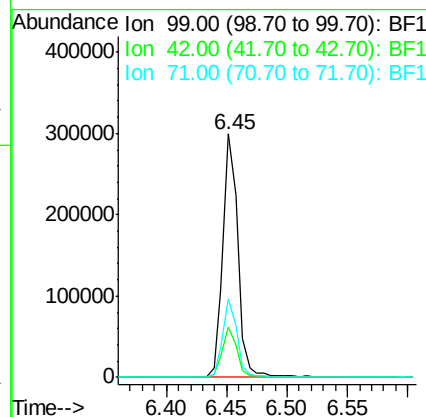
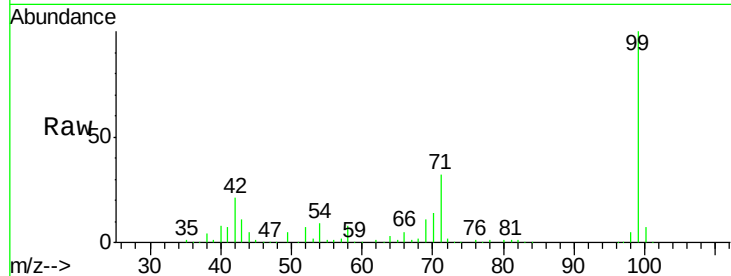
ClientSampleId :

GHD1-BC-IB-0-5

Tot Ion:	99	Resp:	257558
Ion Ratio	Lower	Upper	
99	100		
42	20.9	17.8	26.6
71	32.1	26.0	39.0

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#21

Naphthalene-d8

Concen: 20.000 ng

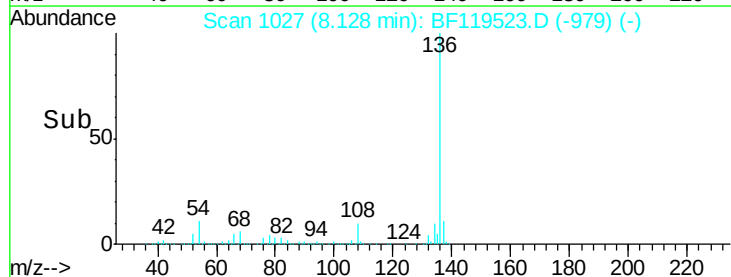
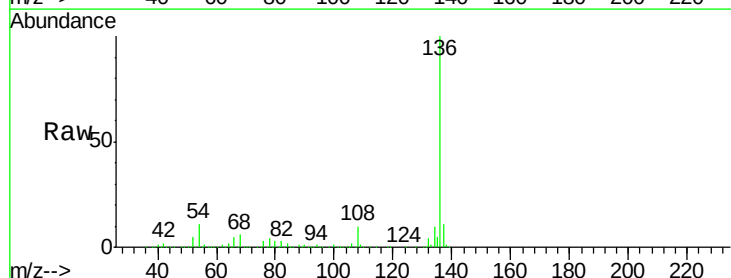
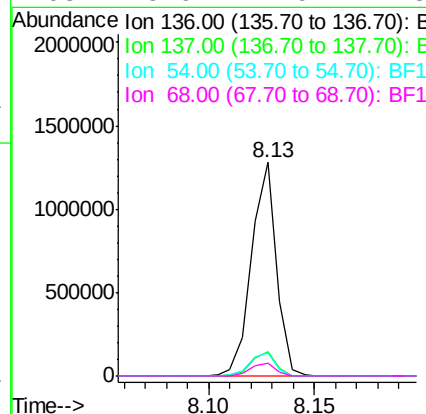
RT: 8.13 min Scan# 1027

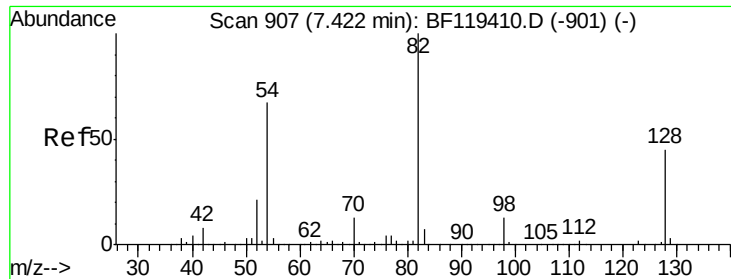
Delta R.T. -0.02 min

Lab File: BF119523.D

Acq: 26 Mar 2020 2:43

Tgt Ion:	136	Resp:	1052825
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.4	12.6
54	10.7	8.3	12.5
68	5.9	4.9	7.3





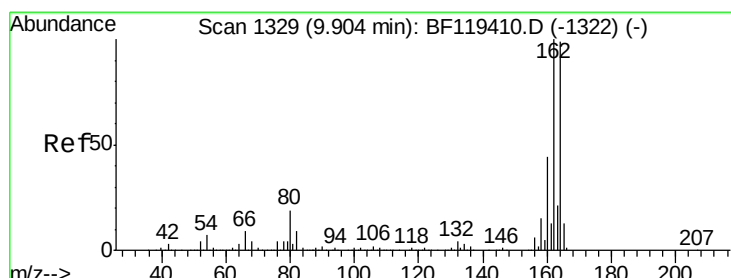
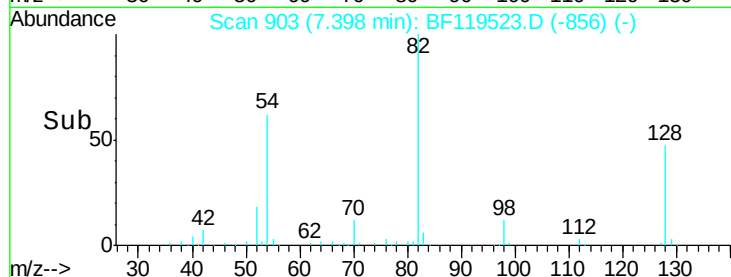
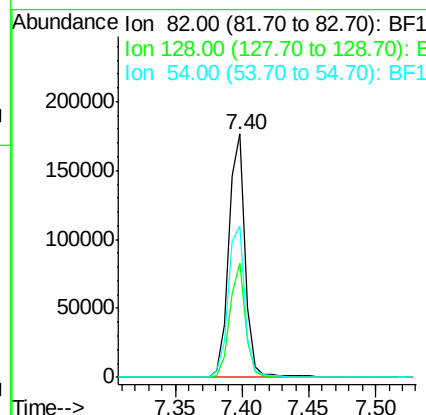
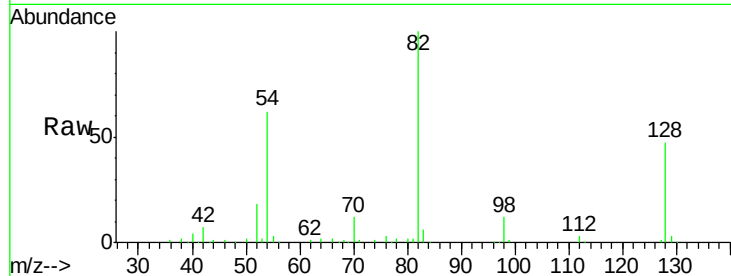
#23
Nitrobenzene-d5
Concen: 7.926 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF119523.D
Acq: 26 Mar 2020 2:43

Instrument :
BNA_F
ClientSampleId :
GHD1-BC-IB-0-5

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.1	35.8	53.8
54	62.4	53.4	80.0

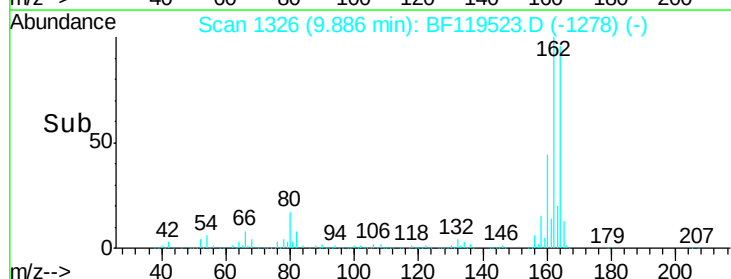
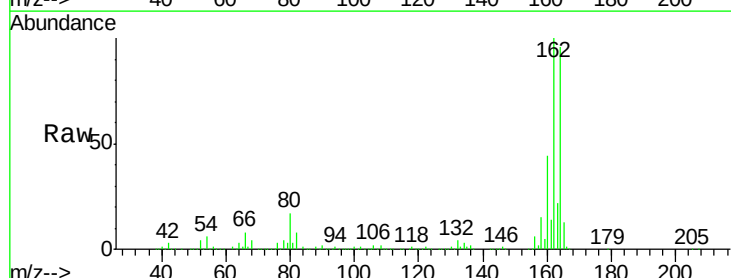
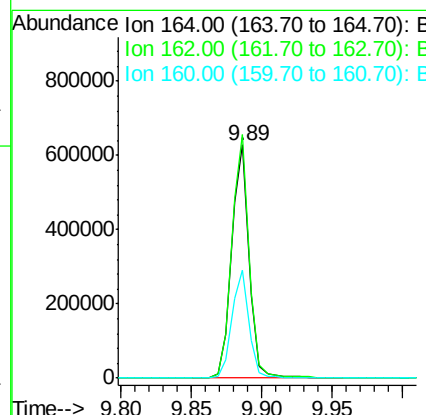
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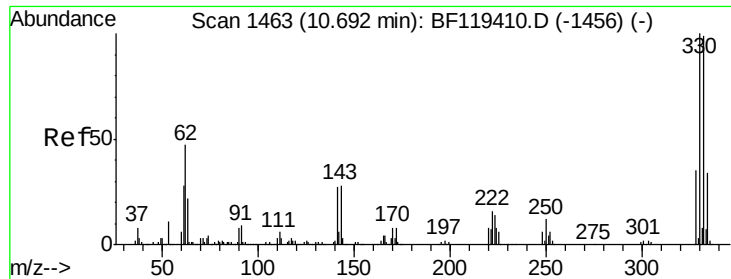
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF119523.D
Acq: 26 Mar 2020 2:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	80.7	121.1
160	46.2	35.5	53.3





#42

2,4,6-Tribromophenol

Concen: 11.893 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.02 min

Lab File: BF119523.D

Acq: 26 Mar 2020 2:43

Instrument :

BNA_F

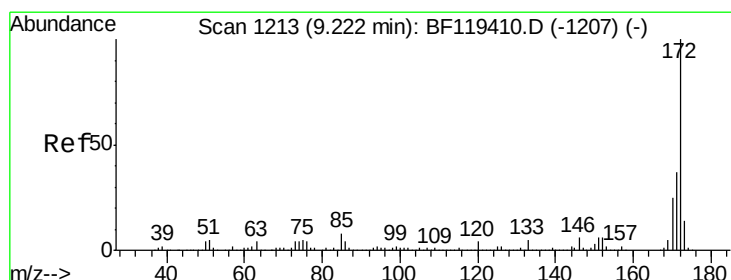
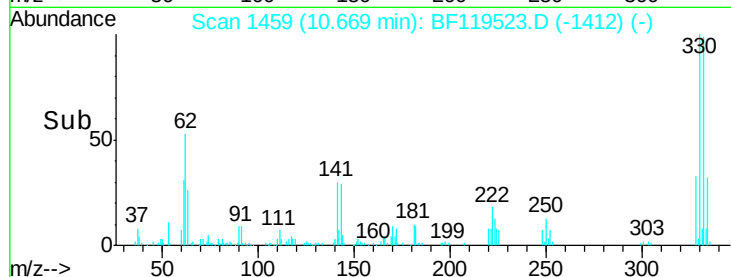
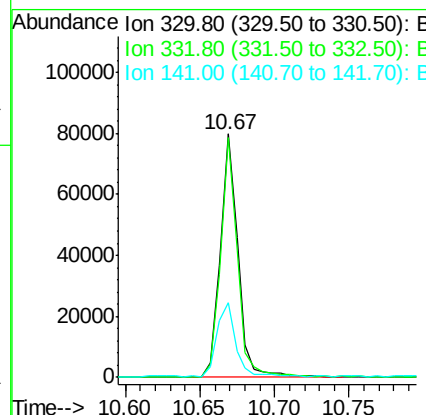
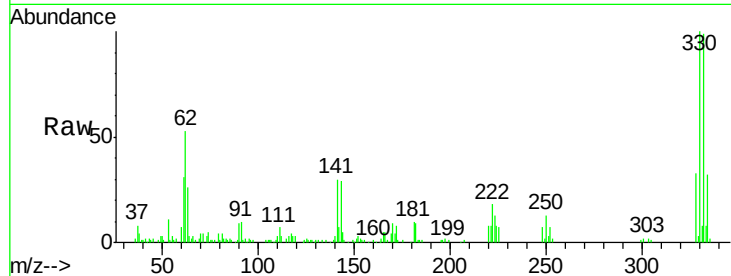
ClientSampled :

GHD1-BC-IB-0-5

Tot Ion:	330	Resp:	66094
Ion Ratio	Lower	Upper	
330	100		
332	94.3	77.6	116.4
141	33.9	26.6	40.0

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#45

2-Fluorobiphenyl

Concen: 8.718 ng

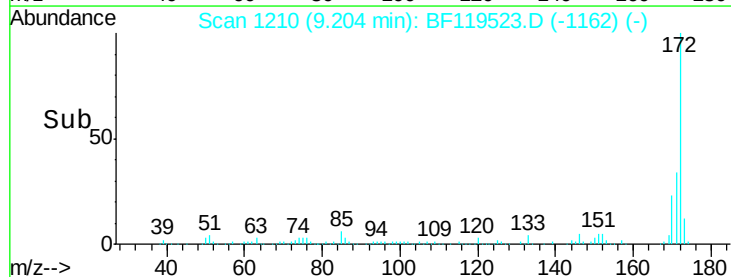
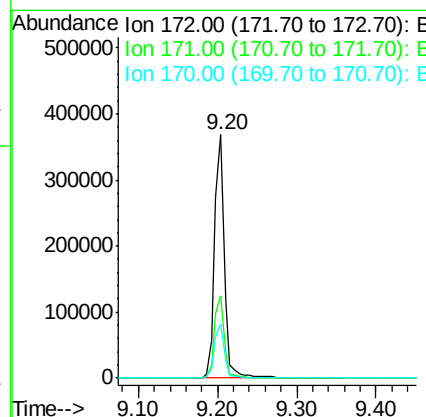
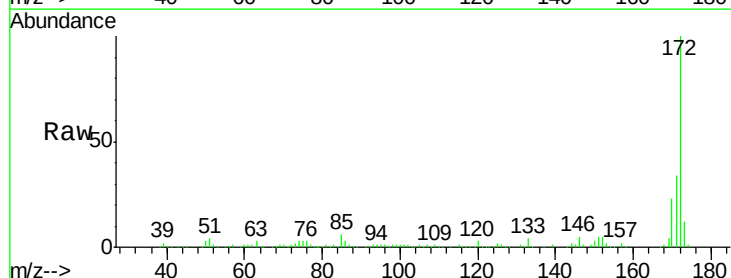
RT: 9.20 min Scan# 1210

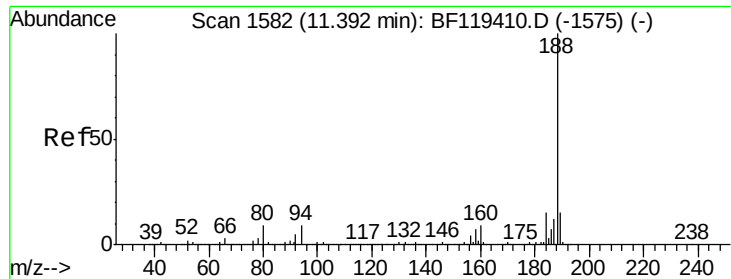
Delta R.T. -0.02 min

Lab File: BF119523.D

Acq: 26 Mar 2020 2:43

Tgt Ion:	172	Resp:	317002
Ion Ratio	Lower	Upper	
172	100		
171	34.1	29.9	44.9
170	22.5	20.1	30.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.02 min

Lab File: BF119523.D

Acq: 26 Mar 2020 2:43

Instrument :

BNA_F

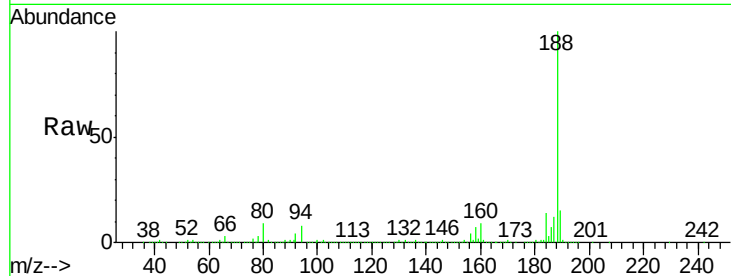
ClientSampleId :

GHD1-BC-IB-0-5

Tot Ion:	188	Resp:	951623
Ion Ratio	Lower	Upper	
188	100		
94	8.5	7.1	10.7
80	8.5	7.5	11.3

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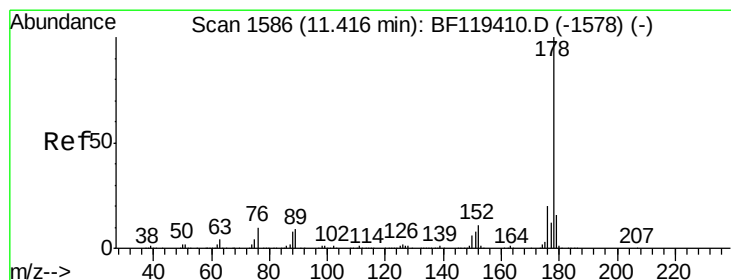
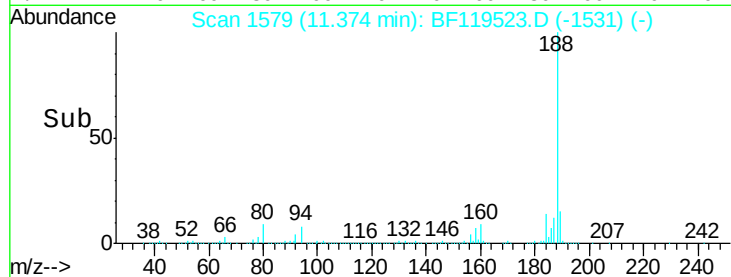
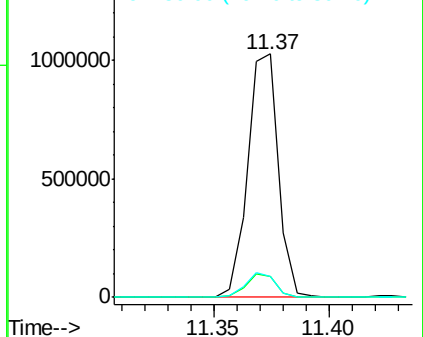
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 3.471 ng

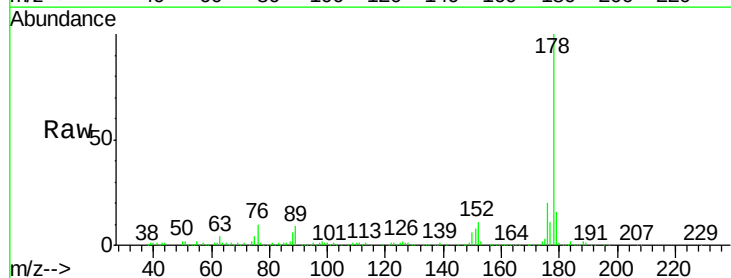
RT: 11.39 min Scan# 1582

Delta R.T. -0.02 min

Lab File: BF119523.D

Acq: 26 Mar 2020 2:43

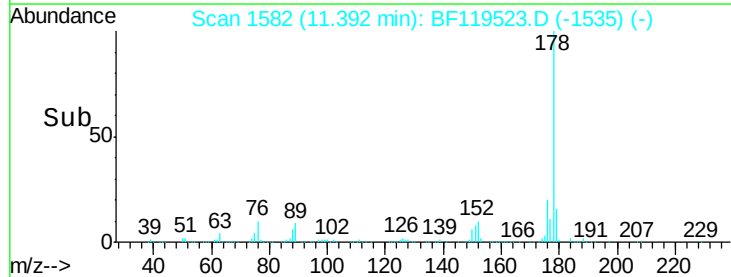
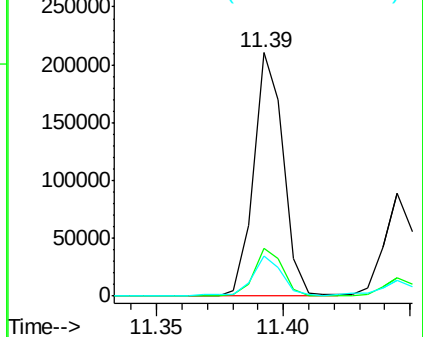
Tgt Ion:	178	Resp:	171286
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.2	24.4
179	16.4	12.9	19.3

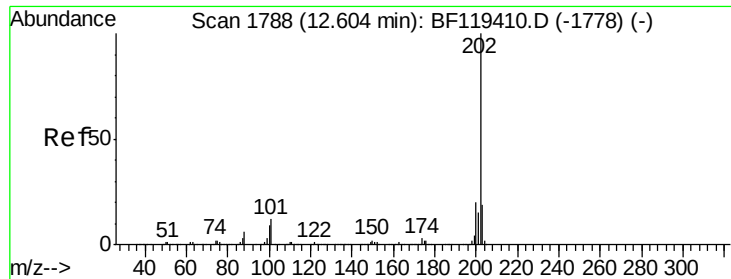


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.225 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.02 min

Lab File: BF119523.D

Acq: 26 Mar 2020 2:43

Instrument :

BNA_F

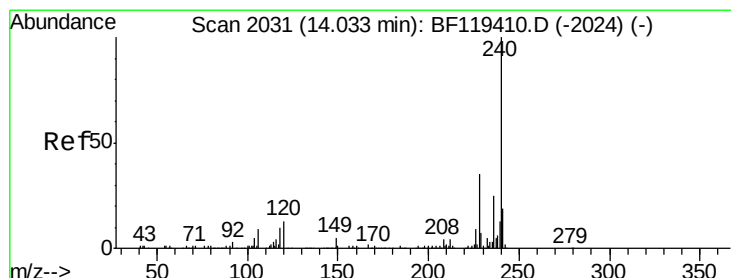
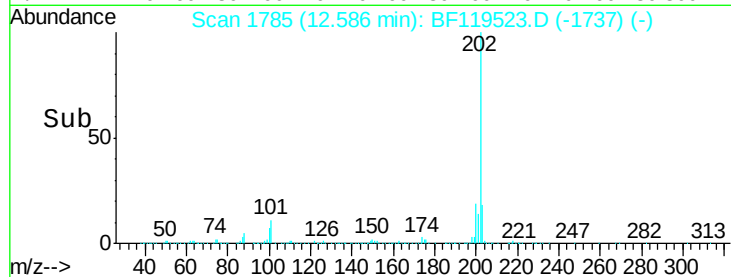
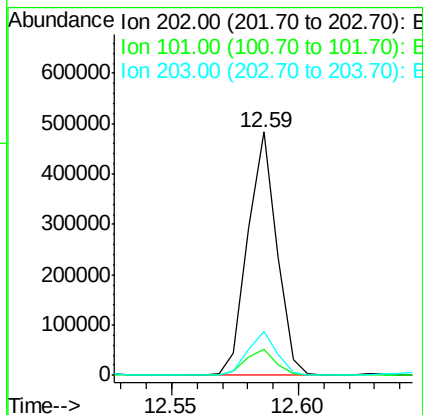
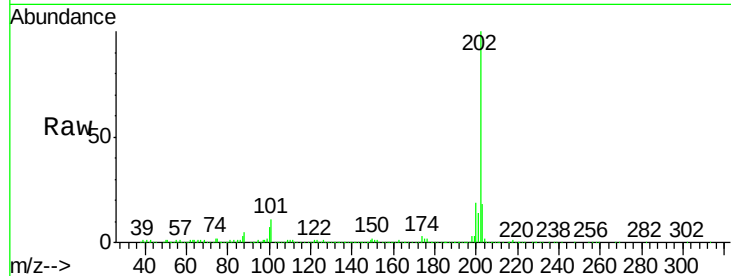
ClientSampleId :

GHD1-BC-IB-0-5

Tot Ion:	202	Resp:	385821
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	32.4
203	17.8	0.0	38.5

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#76

Chrysene-d12

Concen: 20.000 ng

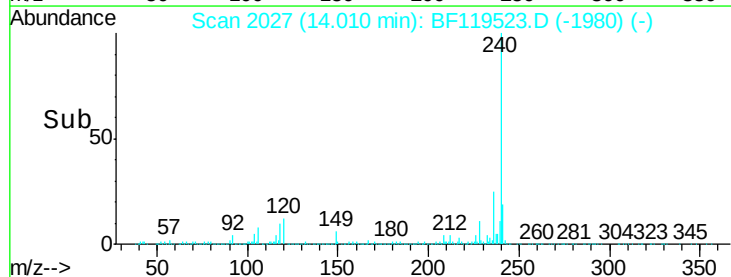
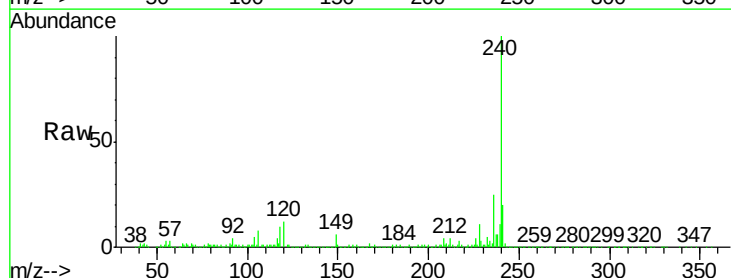
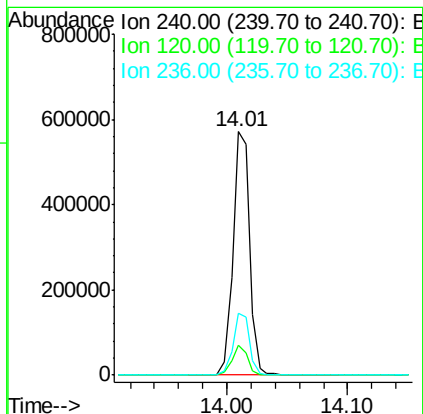
RT: 14.01 min Scan# 2027

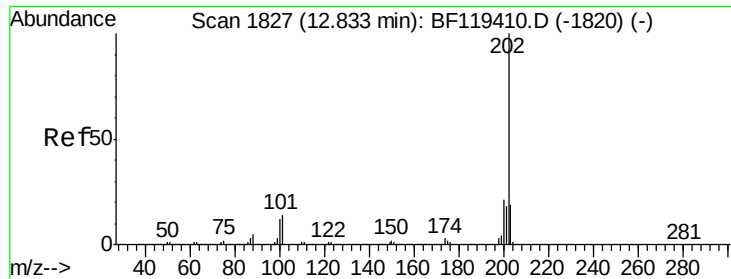
Delta R.T. -0.02 min

Lab File: BF119523.D

Acq: 26 Mar 2020 2:43

Tgt Ion:	240	Resp:	547590
Ion Ratio	Lower	Upper	
240	100		
120	12.4	10.2	15.4
236	25.4	20.4	30.6





#78

Pvrene

Concen: 7.419 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF119523.D

Acq: 26 Mar 2020 2:43

Instrument :

BNA_F

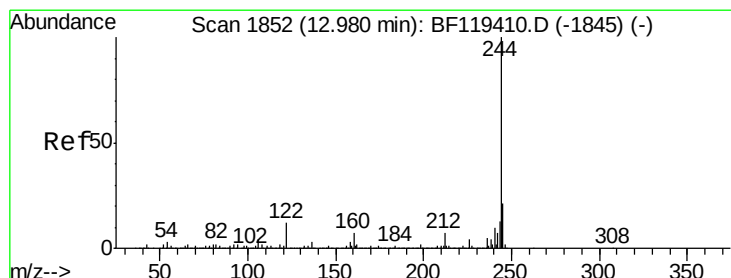
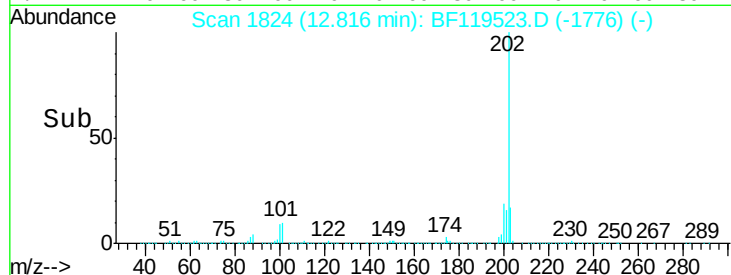
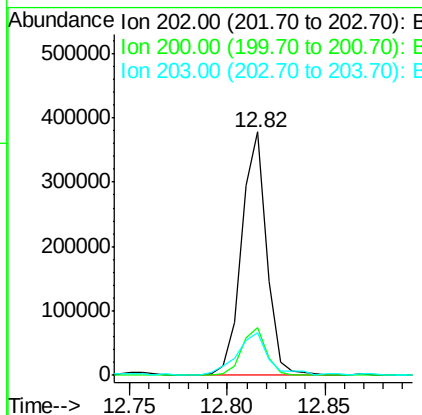
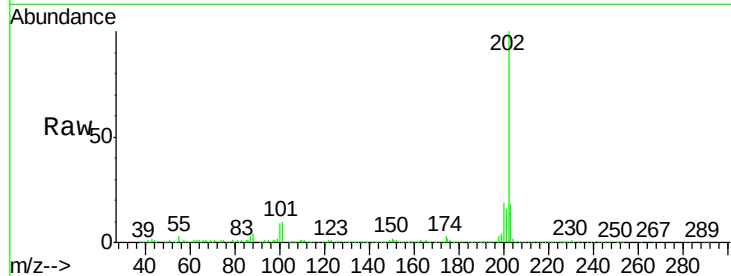
ClientSampleId :

GHD1-BC-IB-0-5

Tot Ion:	202	Resp:	333427
Ion Ratio	Lower	Upper	
202	100		
200	19.4	16.8	25.2
203	17.7	14.8	22.2

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#79

Terphenyl-d14

Concen: 10.543 ng

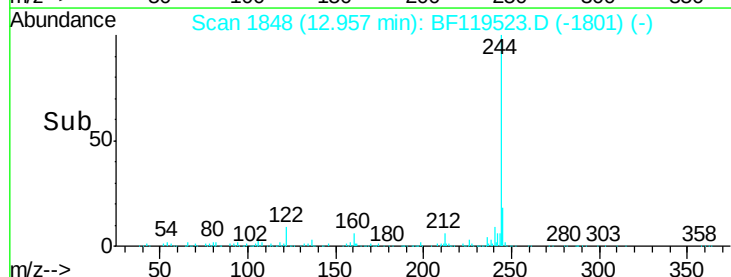
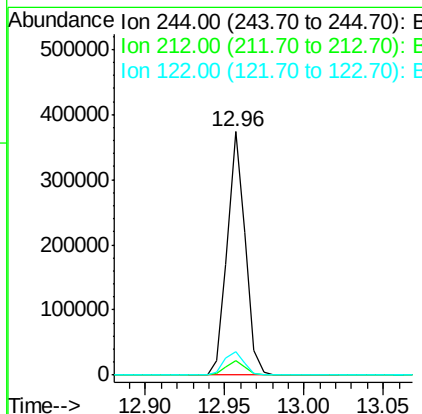
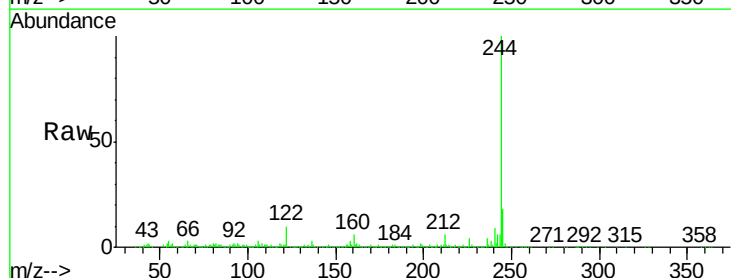
RT: 12.96 min Scan# 1848

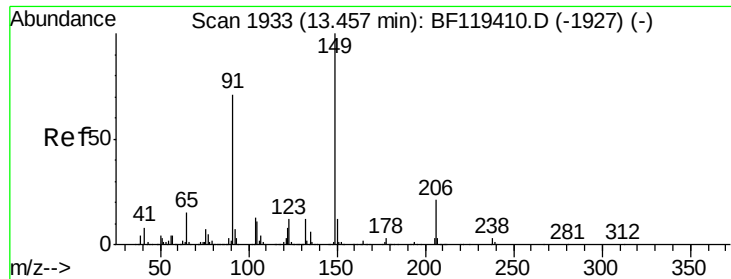
Delta R.T. -0.02 min

Lab File: BF119523.D

Acq: 26 Mar 2020 2:43

Tgt Ion:	244	Resp:	294678
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.7	8.5
122	9.8	9.8	14.8#





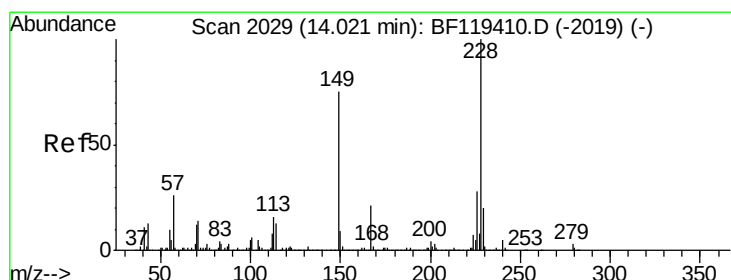
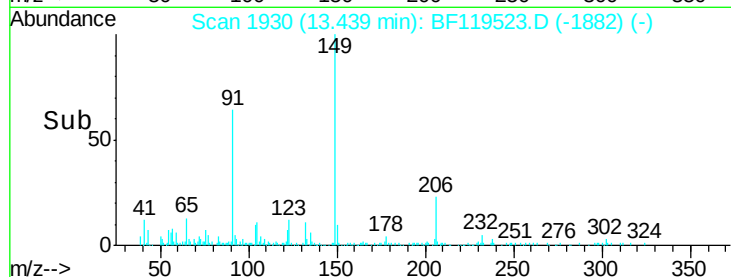
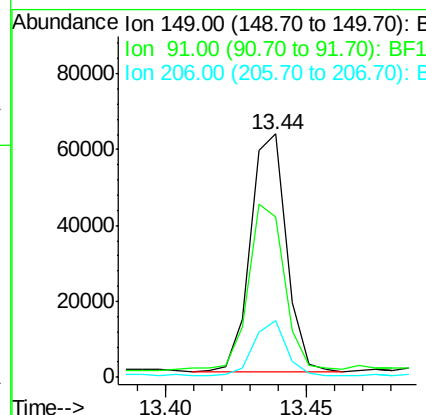
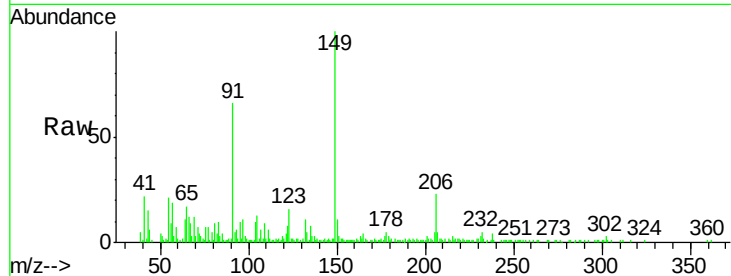
#80
Butylbenzylphthalate
Concen: 3.061 ng
RT: 13.44 min Scan# 1930
Delta R.T. -0.02 min
Lab File: BF119523.D
Acq: 26 Mar 2020 2:43

Instrument :
BNA_F
ClientSampleId :
GHD1-BC-IB-0-5

Tot Ion	Ratio	Lower	Upper
149	100		
91	65.6	57.0	85.6
206	23.1	16.4	24.6

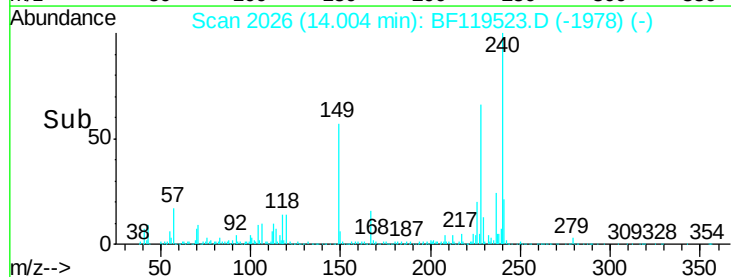
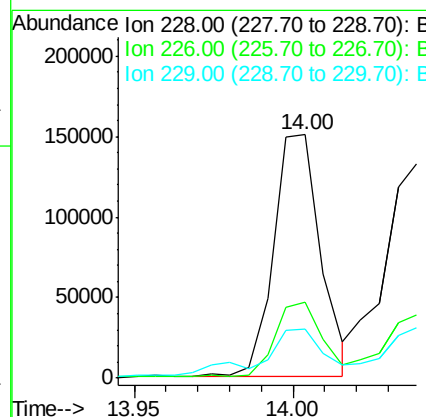
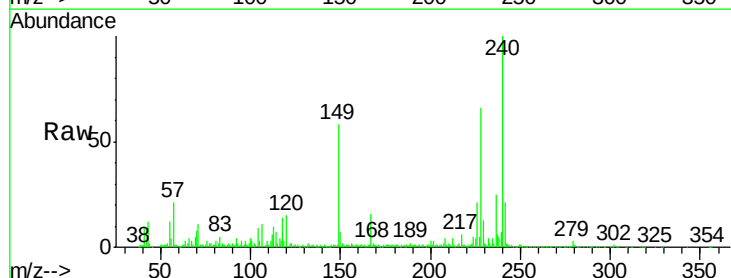
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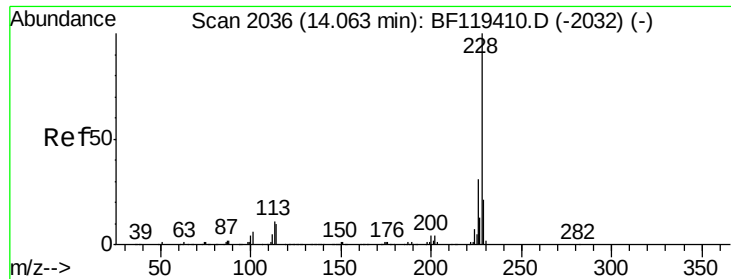
mohammad
3/27/2020 8:12:20 AM



#81
Benzo(a)anthracene
Concen: 4.355 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.02 min
Lab File: BF119523.D
Acq: 26 Mar 2020 2:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.3	33.5
229	20.4	16.3	24.5





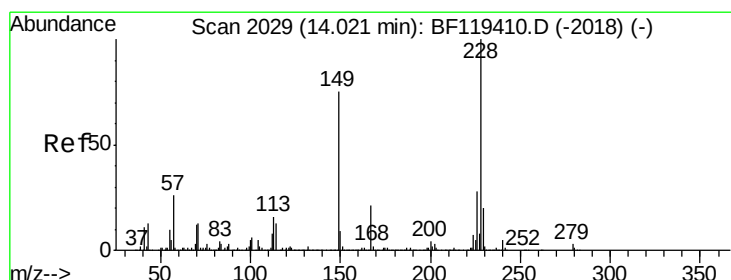
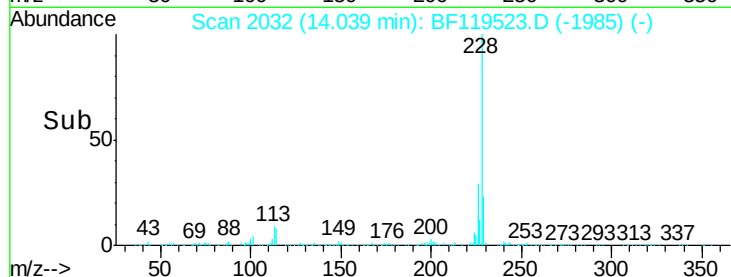
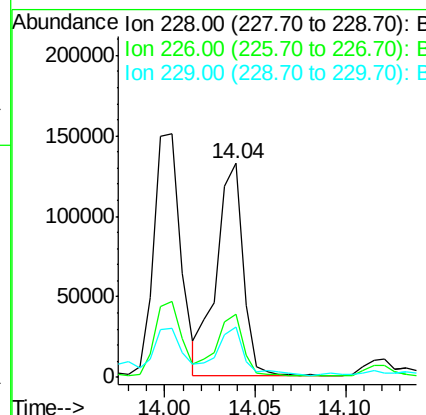
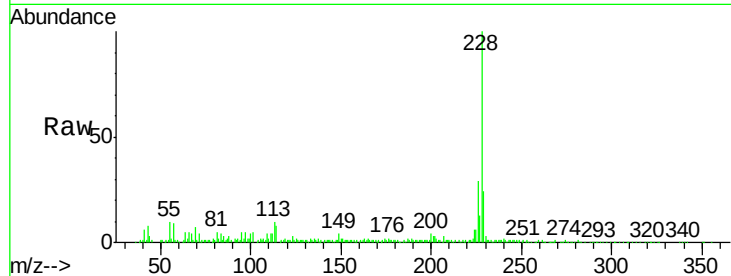
#83
 Chrysene
 Concen: 3.715 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.02 min
 Lab File: BF119523.D
 Acq: 26 Mar 2020 2:43

Instrument :
 BNA_F
 ClientSampleId :
 GHD1-BC-IB-0-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.8	37.2
229	23.6	16.6	25.0

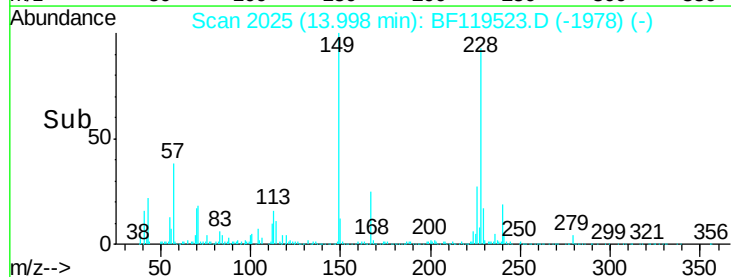
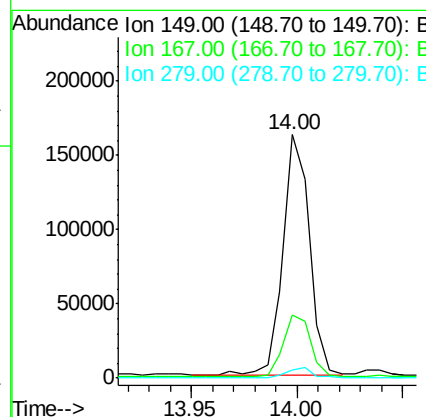
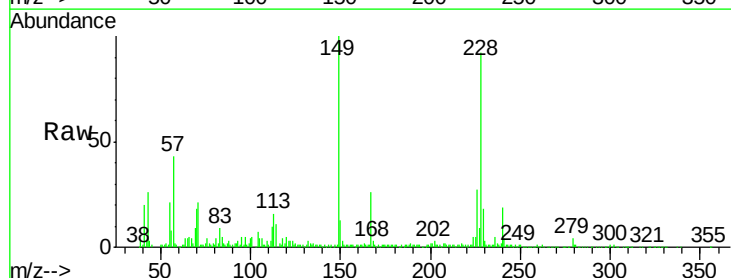
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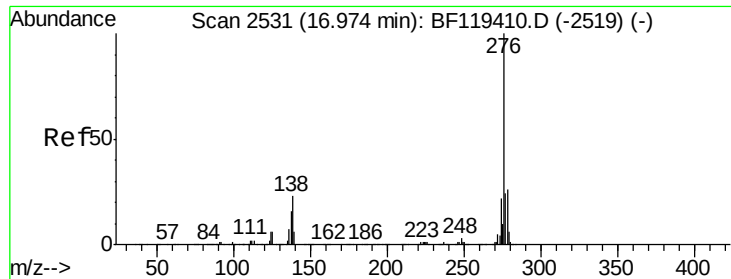
mohammad
 3/27/2020 8:12:20 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 6.579 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.02 min
 Lab File: BF119523.D
 Acq: 26 Mar 2020 2:43

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.7	22.0	33.0
279	3.5	3.2	4.8





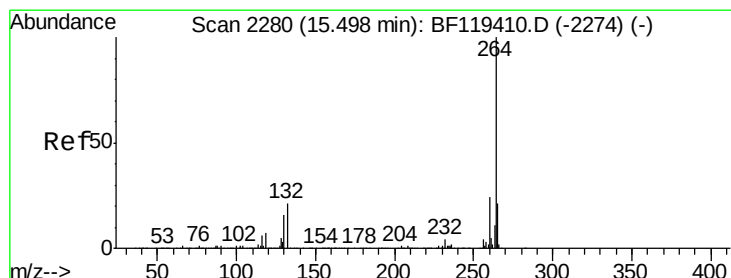
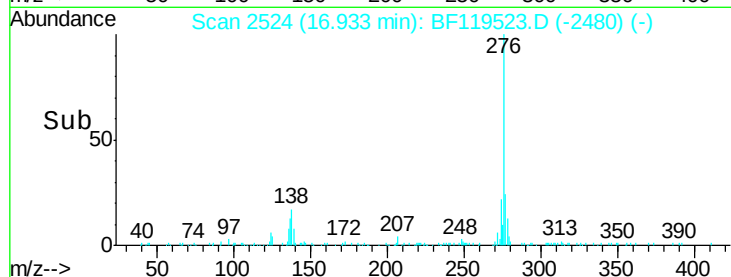
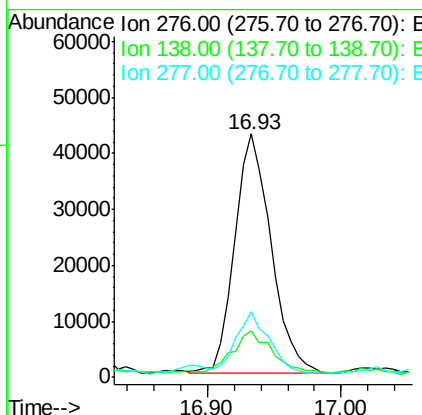
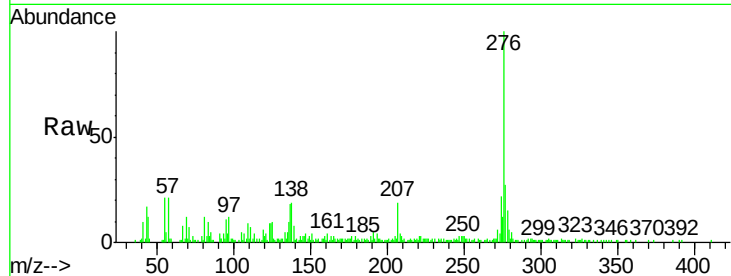
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.339 ng
 RT: 16.93 min Scan# 2524
 Delta R.T. -0.04 min
 Lab File: BF119523.D
 Acq: 26 Mar 2020 2:43

Instrument :
 BNA_F
 ClientSampleId :
 GHD1-BC-IB-0-5

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	21.3	31.9#
277	23.6	20.2	30.2

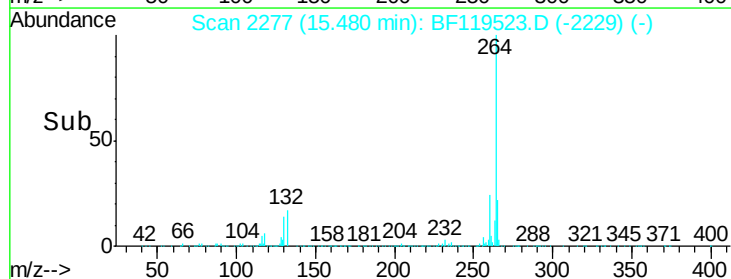
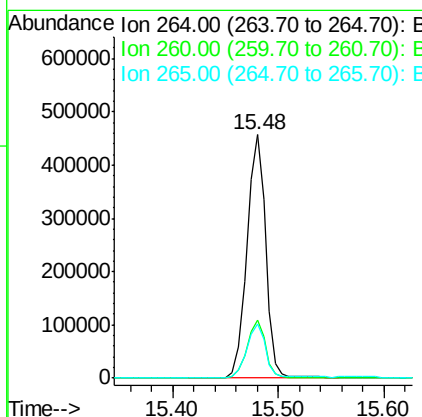
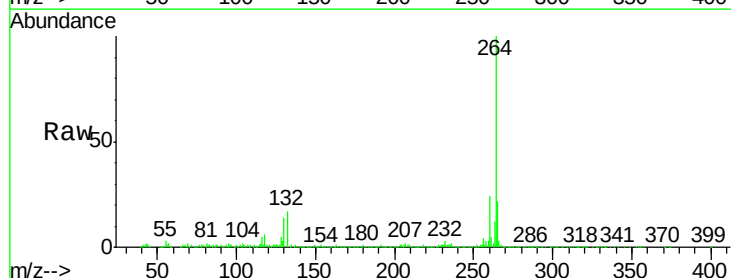
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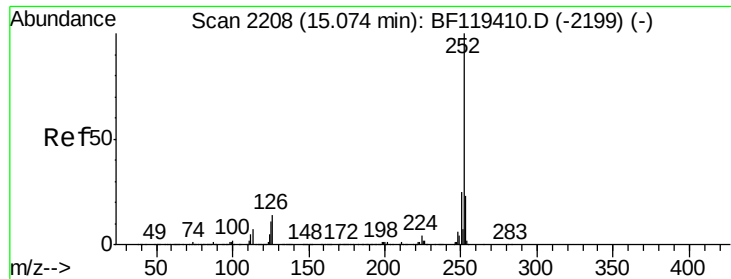
mohammad
 3/27/2020 8:12:20 AM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2277
 Delta R.T. -0.02 min
 Lab File: BF119523.D
 Acq: 26 Mar 2020 2:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.4	16.9	25.3





#88

Benzo(b)fluoranthene

Concen: 4.835 ng/mL

RT: 15.05 min Scan# 2204

Delta R.T. -0.02 min

Lab File: BF119523.D

Acq: 26 Mar 2020 2:43

Instrument :

BNA_F

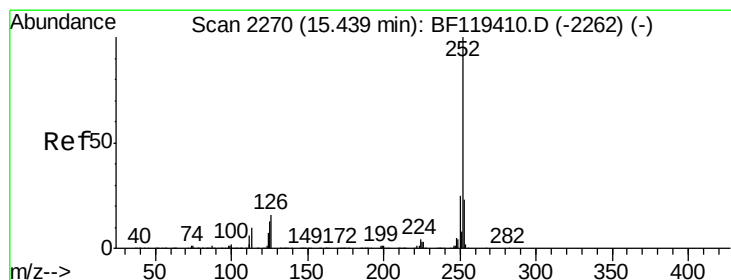
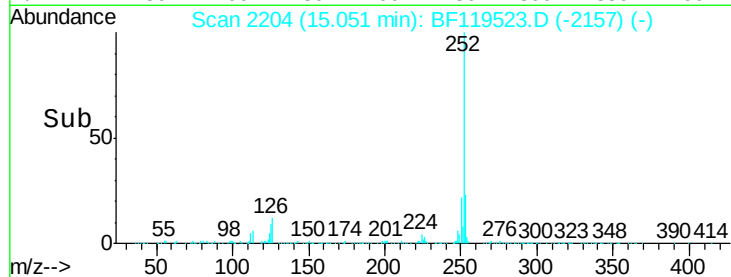
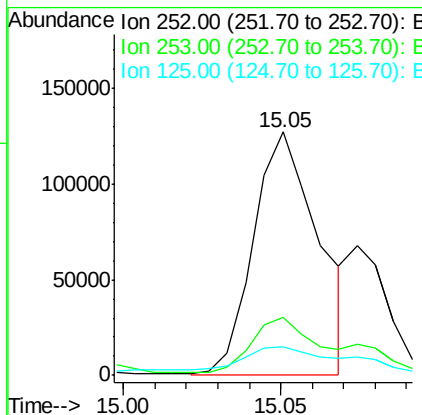
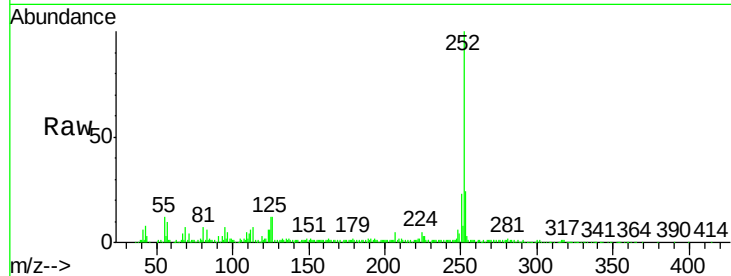
ClientSampleId :

GHD1-BC-IB-0-5

Tot Ion:	252	Resp:	182911
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.2	27.4
125	11.5	8.8	13.2

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#90

Benzo(a)pyrene

Concen: 3.826 ng/mL

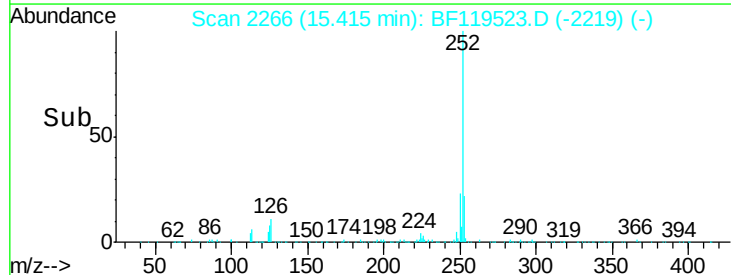
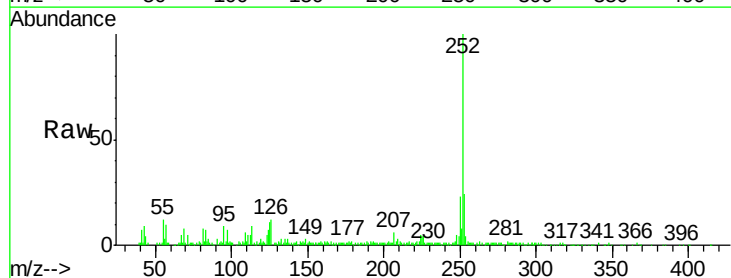
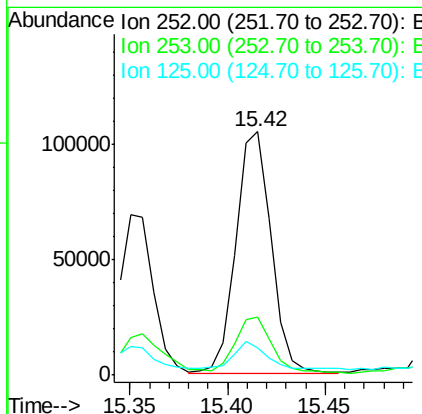
RT: 15.42 min Scan# 2266

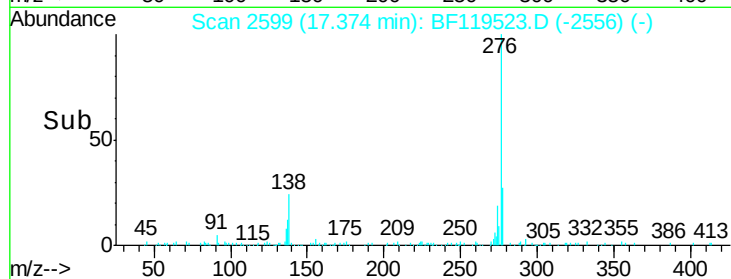
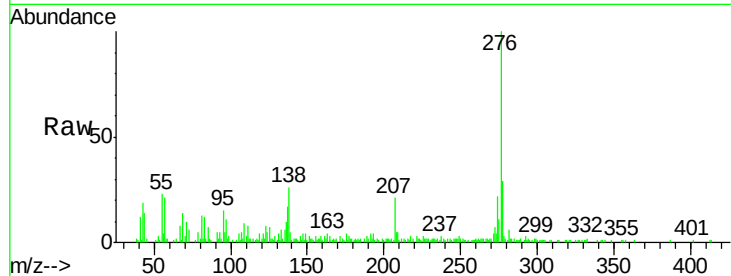
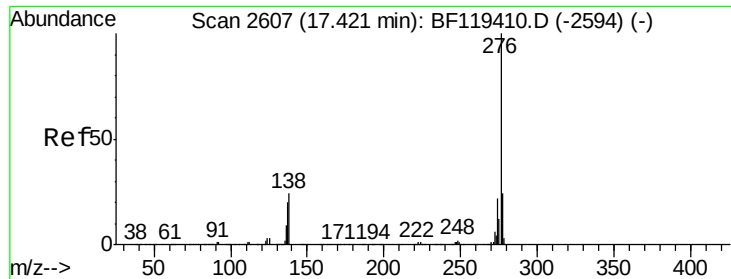
Delta R.T. -0.02 min

Lab File: BF119523.D

Acq: 26 Mar 2020 2:43

Tgt Ion:	252	Resp:	131520
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.2	27.4
125	11.1	10.2	15.2





#92
 Benzo(a,h,i)perylene
 Concen: 2.457 ng
 RT: 17.37 min Scan# 2599
 Delta R.T. -0.05 min
 Lab File: BF119523.D
 Acq: 26 Mar 2020 2:43

Instrument :
 BNA_F
 ClientSampleId :
 GHD1-BC-IB-0-5

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.0	18.8	28.2#
138	26.4	19.1	28.7

Manual Integrations
 APPROVED

mohammad
 3/27/2020 8:12:20 AM

