

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072720\
 Data File : BF121057.D
 Acq On : 28 Jul 2020 3:52
 Operator : JU/CG
 Sample : L3382-13
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CTR-005

Manual Integrations
 APPROVED

mohammad
 7/28/2020 11:43:44 AM

Quant Time: Jul 28 04:26:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	160818	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	611076	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	315525	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	623453	20.00	ng	0.00
76) Chrysene-d12	13.97	240	467119	20.00	ng	0.00
86) Perylene-d12	15.42	264	428878	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	878065	89.51	ng	0.00
7) Phenol-d6	6.45	99	1062149	83.82	ng	0.00
23) Nitrobenzene-d5	7.37	82	664344	62.91	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	259329	75.09	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1339575	63.39	ng	0.00
79) Terphenyl-d14	12.92	244	1345813	62.63	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.56	163	282889	12.427	ng	100
71) Phenanthrene	11.35	178	144698	4.513	ng	99
72) Anthracene	11.40	178	97935	3.042	ng	98
75) Fluoranthene	12.54	202	430563	12.115	ng	100
78) Pyrene	12.77	202	437660	13.252	ng	99
81) Benzo(a)anthracene	13.96	228	199726	7.061	ng	98
83) Chrysene	13.99	228	288979	9.721	ng	97
87) Indeno(1,2,3-cd)pyrene	16.84	276	104009	3.487	ng	95
88) Benzo(b)fluoranthene	15.00	252	317903m	12.263	ng	
89) Benzo(k)fluoranthene	15.02	252	80510m	3.405	ng	
90) Benzo(a)pyrene	15.35	252	157326	6.652	ng	99
92) Benzo(a,h,i)perylene	17.27	276	100610	4.188	ng	98

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

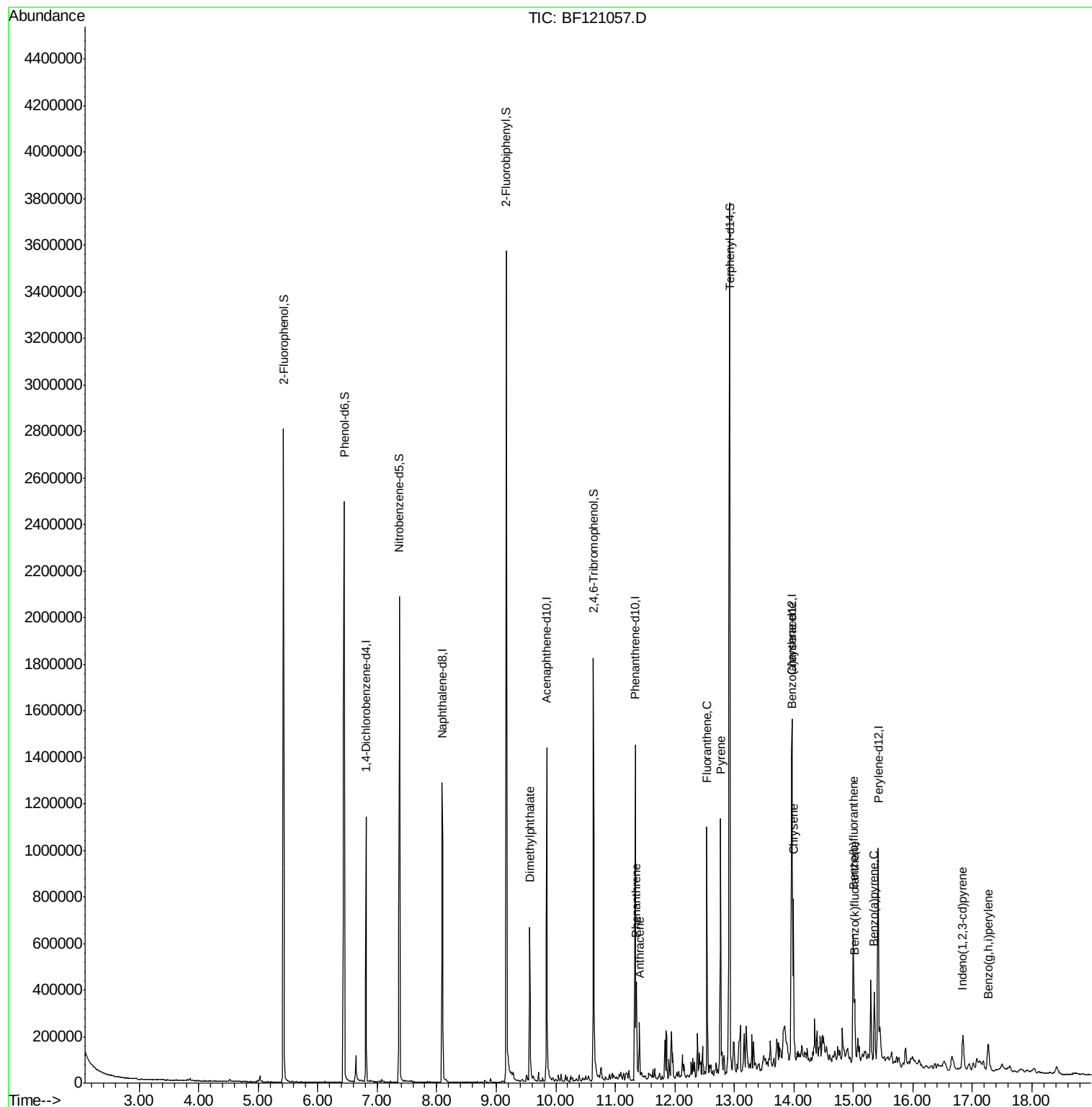
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072720\
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Operator : JU/CG
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Misc :
ALS Vial : 25 Sample Multiplier: 1

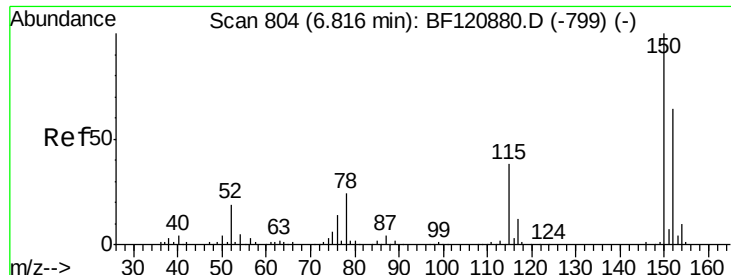
Instrument :
BNA_F
ClientSampleId :
CTR-005

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
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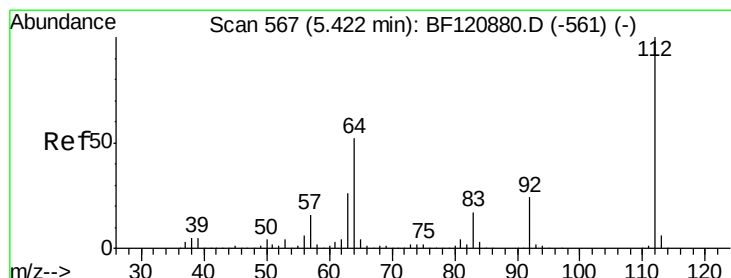
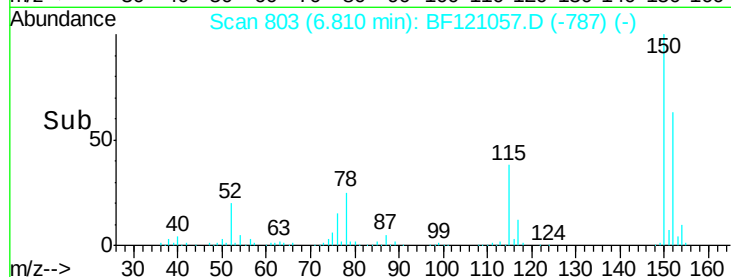
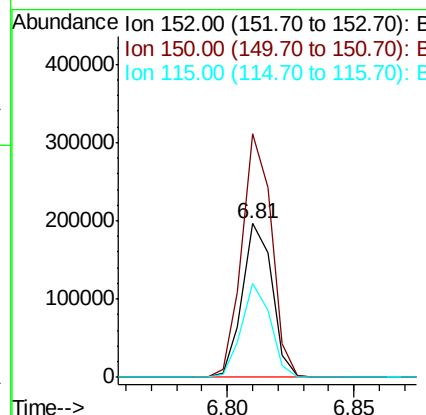
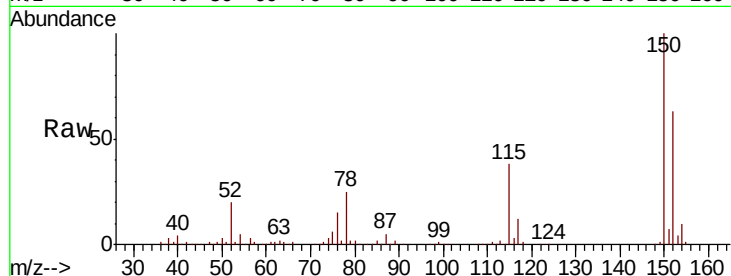
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF121057.D
 Acq: 28 Jul 2020 3:52

Instrument :
 BNA_F
 ClientSampleId :
 CTR-005

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	125.0	187.6
115	60.9	47.0	70.4

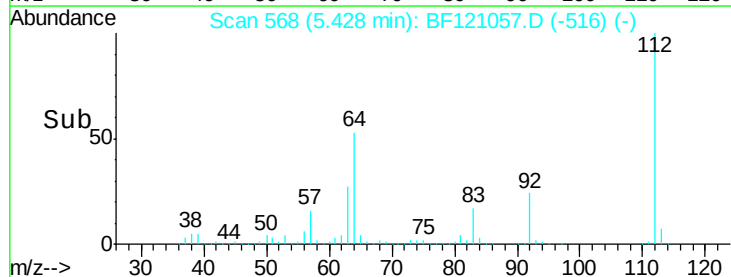
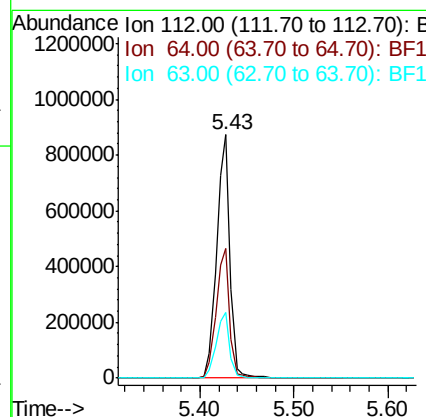
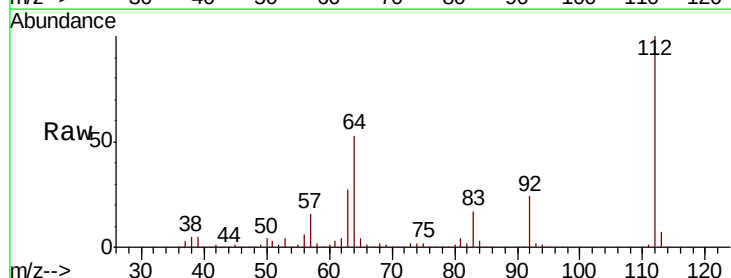
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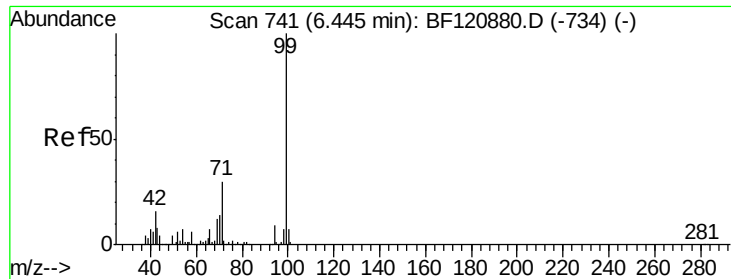
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#5
 2-Fluorophenol
 Concen: 89.509 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF121057.D
 Acq: 28 Jul 2020 3:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	41.3	61.9
63	26.8	21.1	31.7





#7

Phenol-d6

Concen: 83.820 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF121057.D

Acq: 28 Jul 2020 3:52

Instrument :

BNA_F

ClientSampleId :

CTR-005

Tot Ion: 99 Resp: 1062149

Ion Ratio Lower Upper

99 100

42 15.5 13.1 19.7

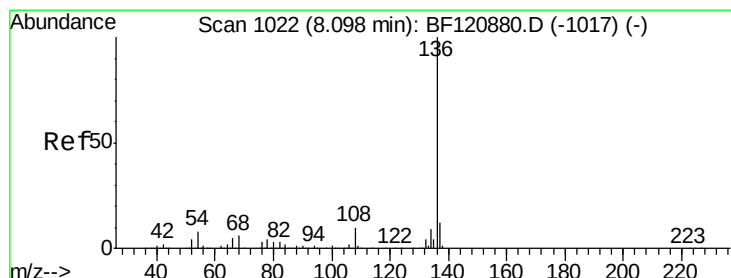
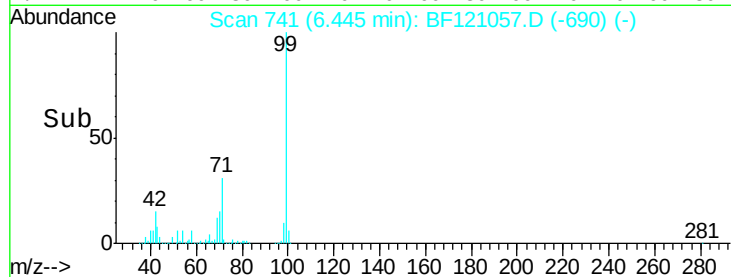
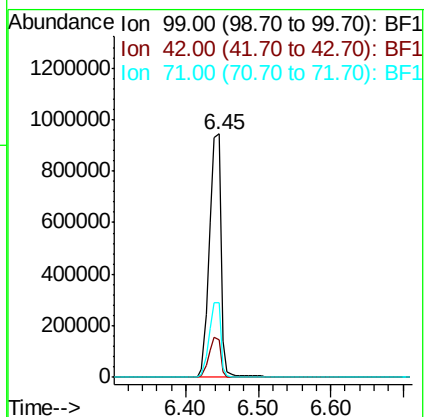
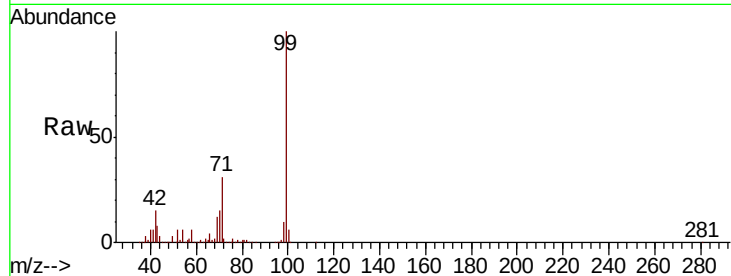
71 30.5 24.2 36.4

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF121057.D

Acq: 28 Jul 2020 3:52

Tgt Ion: 136 Resp: 611076

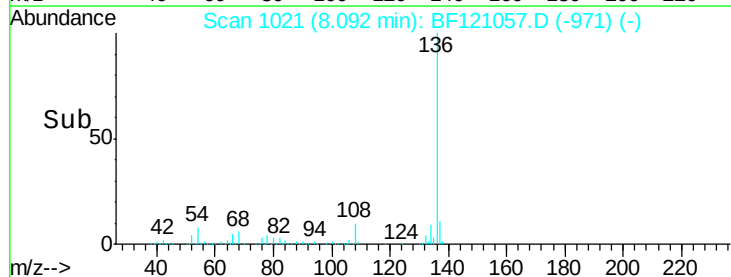
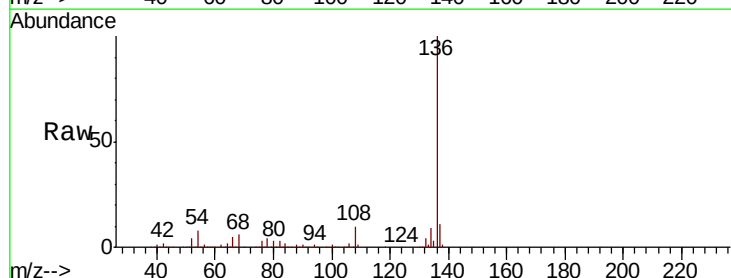
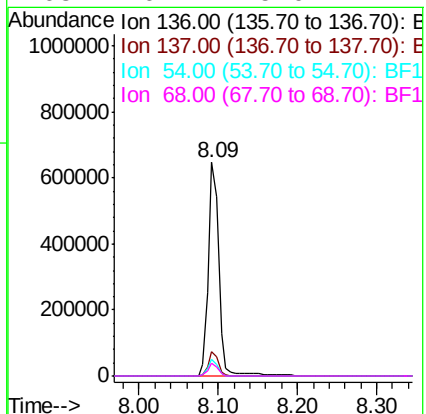
Ion Ratio Lower Upper

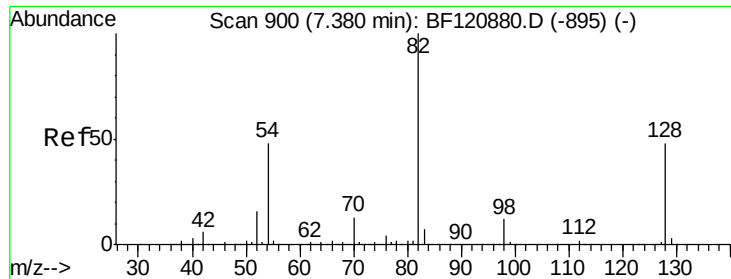
136 100

137 11.3 9.3 13.9

54 7.9 6.3 9.5

68 6.1 5.0 7.4





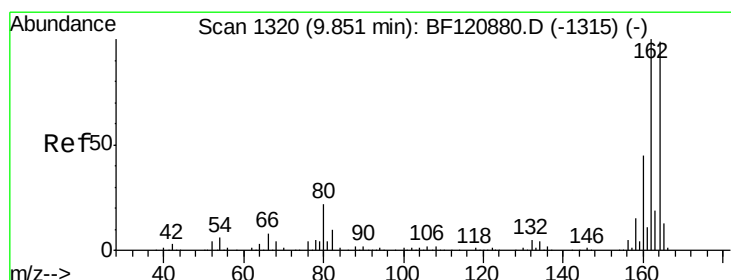
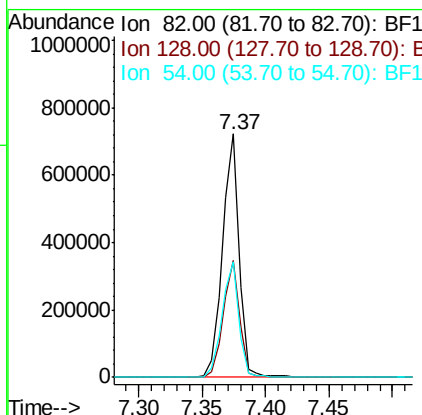
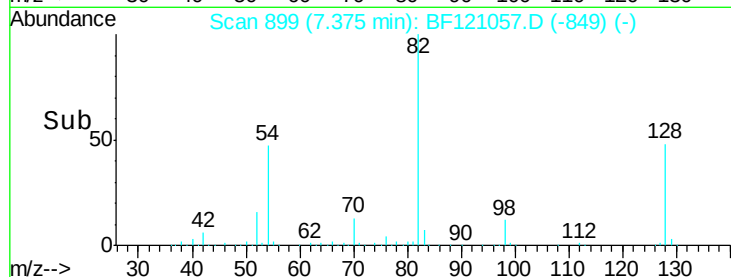
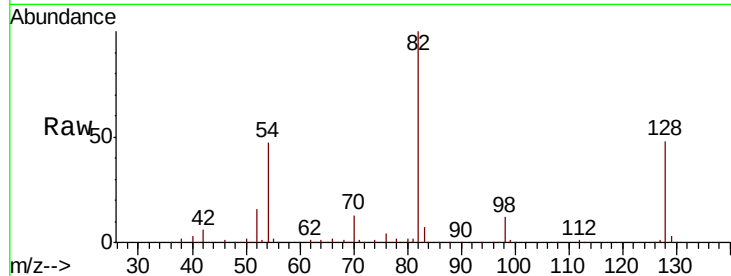
#23
Nitrobenzene-d5
Concen: 62.907 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF121057.D
Acq: 28 Jul 2020 3:52

Instrument :
BNA_F
ClientSampled :
CTR-005

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.9	38.2	57.4
54	47.4	38.7	58.1

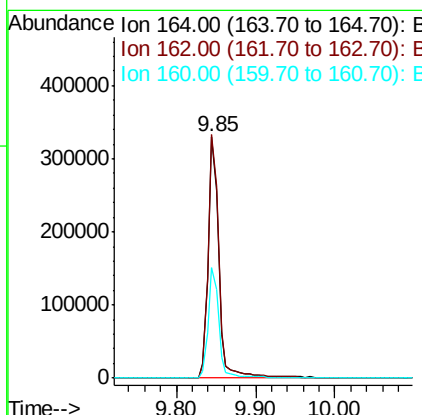
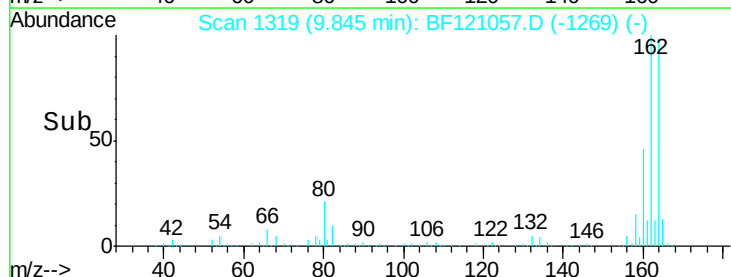
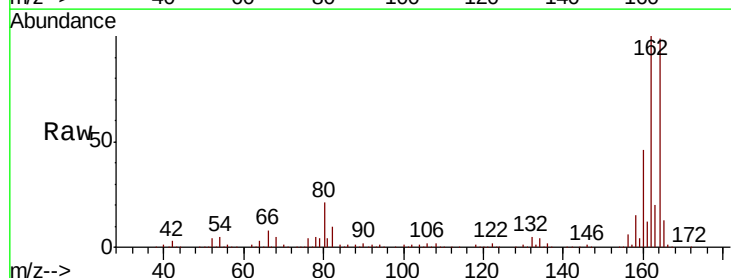
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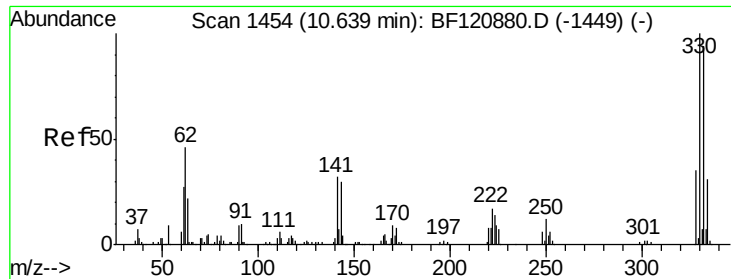
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF121057.D
Acq: 28 Jul 2020 3:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.2	121.8
160	45.9	36.9	55.3





#42

2,4,6-Tribromophenol

Concen: 75.087 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF121057.D

Acq: 28 Jul 2020 3:52

Instrument :

BNA_F

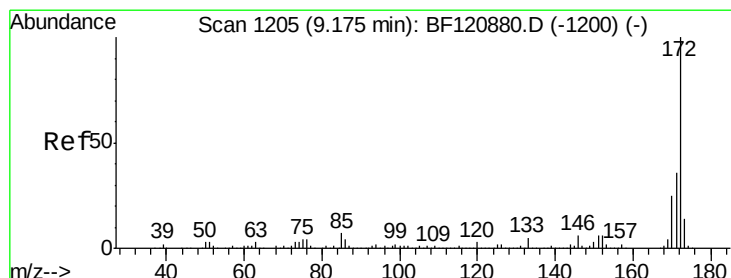
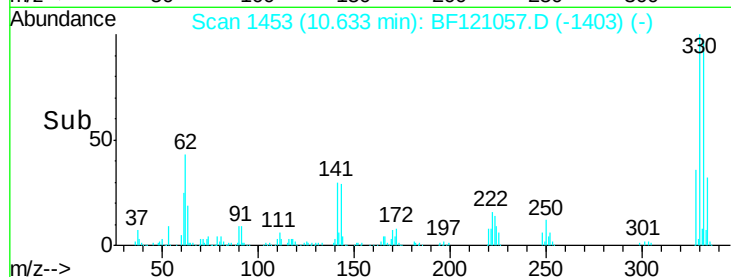
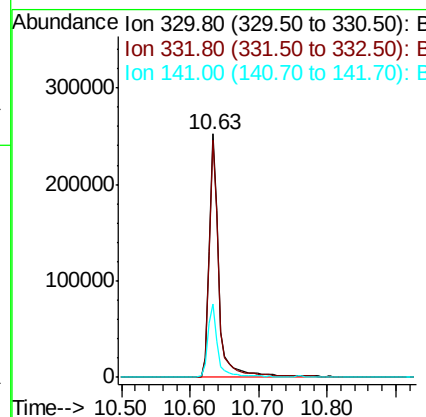
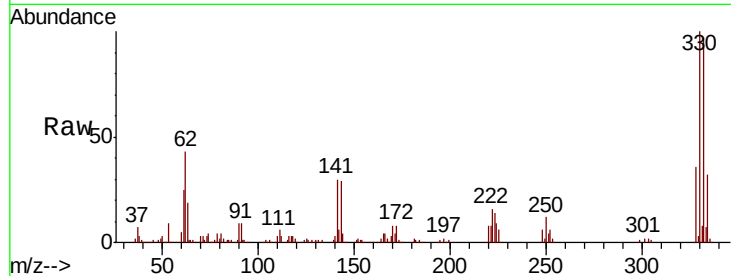
ClientSampleId :

CTR-005

Tot Ion:	330	Resp:	259329
Ion Ratio	Lower	Upper	
330	100		
332	97.1	75.5	113.3
141	31.0	25.7	38.5

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#45

2-Fluorobiphenyl

Concen: 63.388 ng

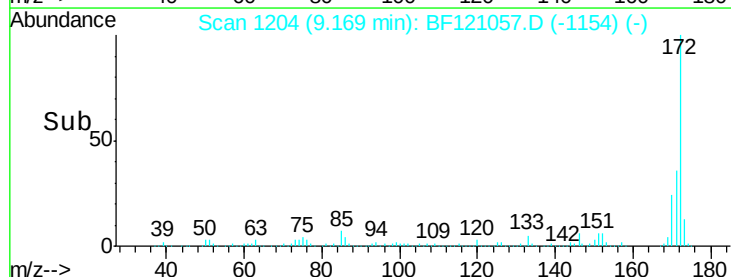
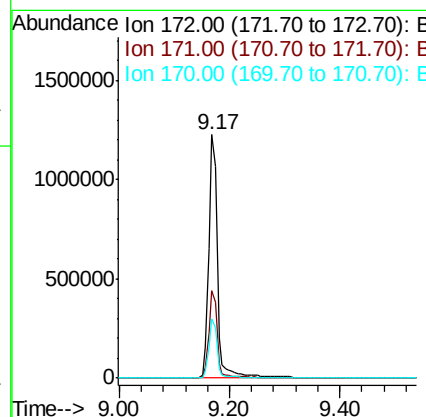
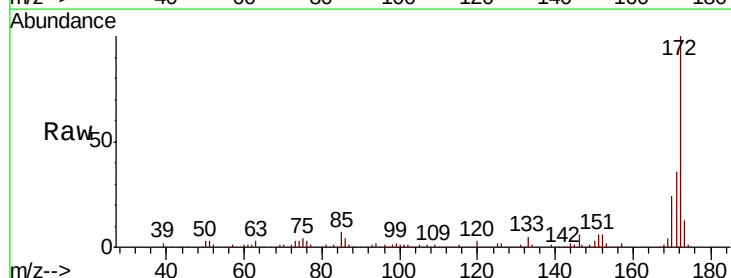
RT: 9.17 min Scan# 1204

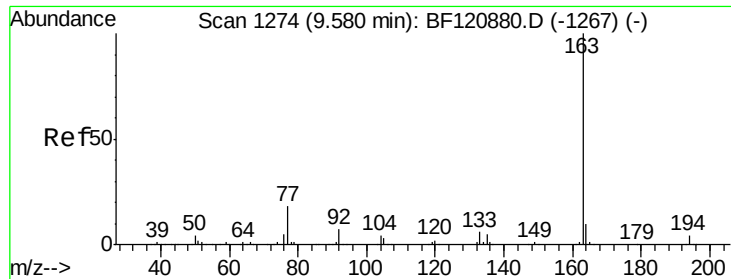
Delta R.T. -0.01 min

Lab File: BF121057.D

Acq: 28 Jul 2020 3:52

Tgt Ion:	172	Resp:	1339575
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.0	43.4
170	24.3	19.6	29.4





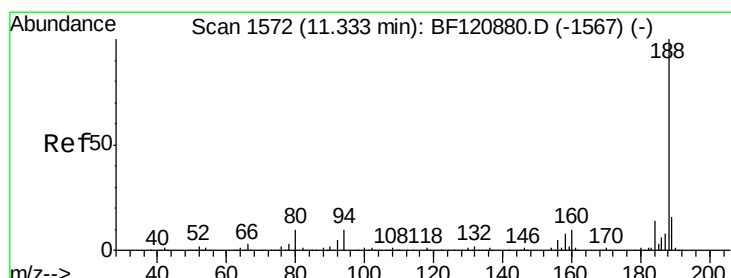
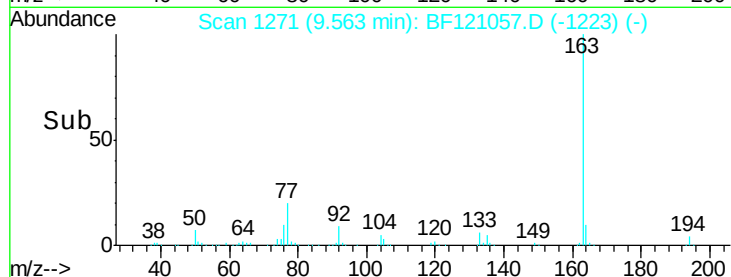
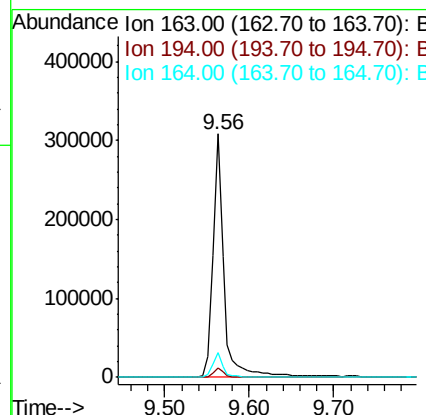
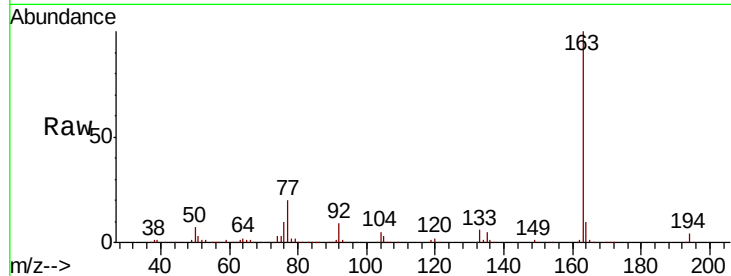
#50
Dimethylphthalate
Concen: 12.427 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF121057.D
Acq: 28 Jul 2020 3:52

Instrument :
BNA_F
ClientSampleId :
CTR-005

Tot Ion	Ratio	Resp	Lower	Upper
163	100	282889		
194	3.9		3.2	4.8
164	10.0		7.9	11.9

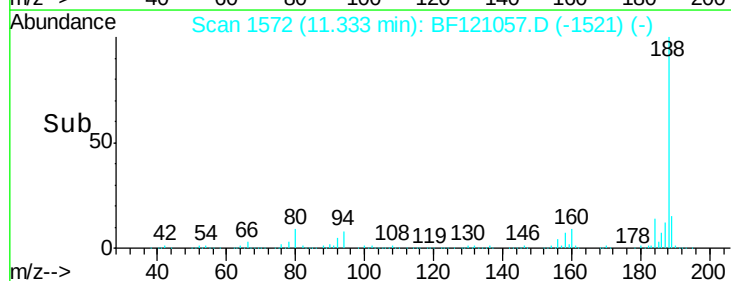
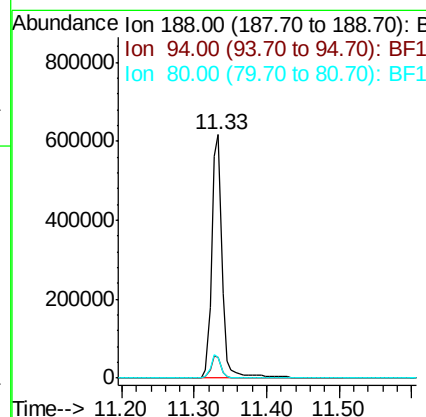
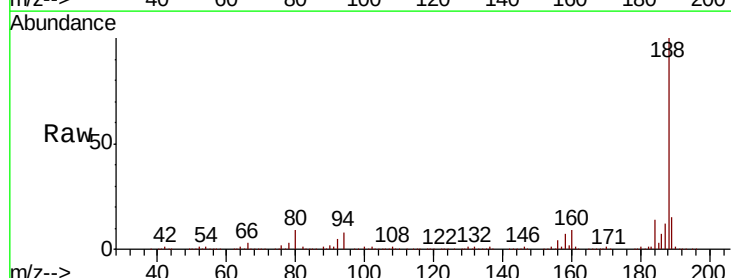
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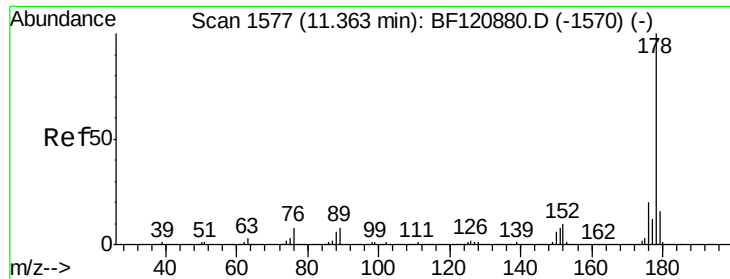
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF121057.D
Acq: 28 Jul 2020 3:52

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	623453		
94	8.4		8.0	12.0
80	8.7		8.3	12.5





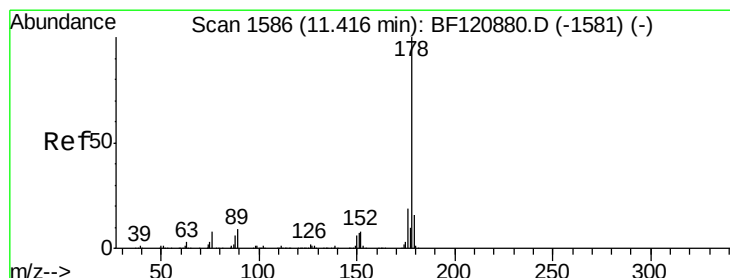
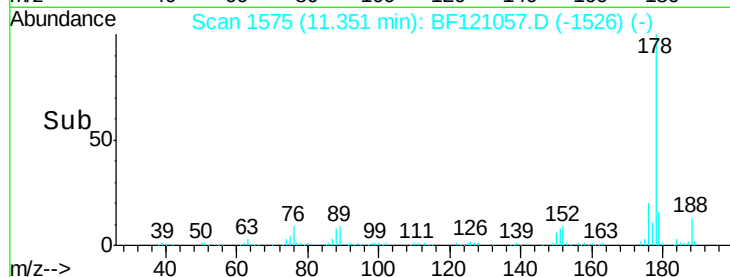
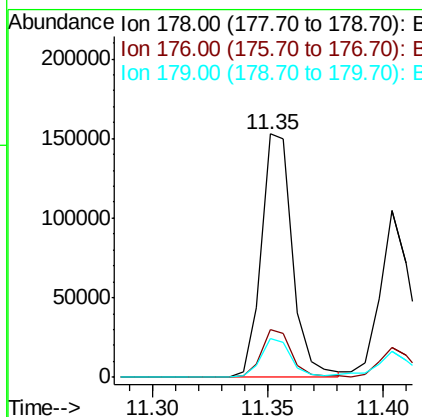
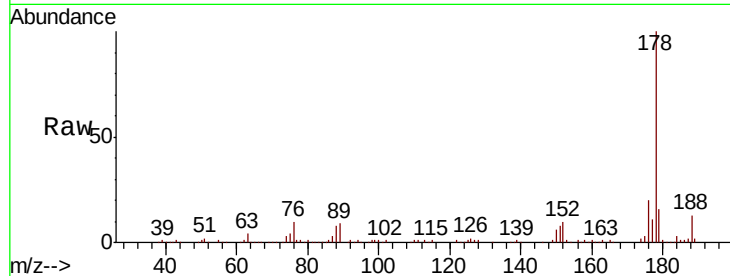
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Phenanthrene
Concen: 4.513 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF121057.D
Acq: 28 Jul 2020 3:52

Instrument :
BNA_F
ClientSampleId :
CTR-005

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.4
179	16.1	12.8	19.2

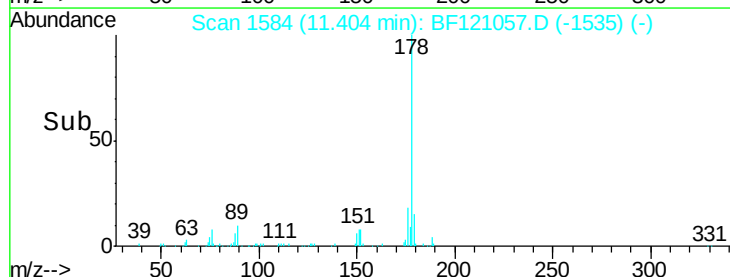
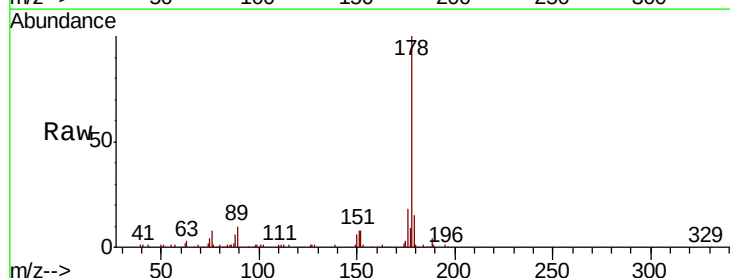
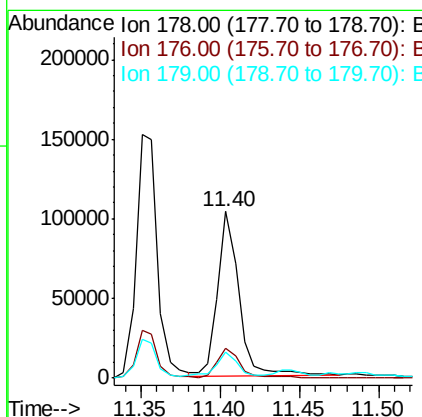
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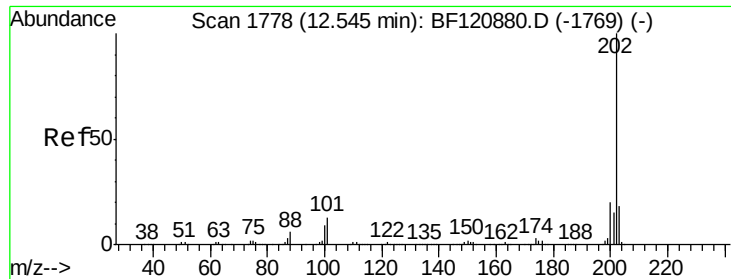
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#72
Anthracene
Concen: 3.042 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF121057.D
Acq: 28 Jul 2020 3:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.5	23.3
179	15.3	12.8	19.2





#75

Fluoranthene

Concen: 12.115 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF121057.D

Acq: 28 Jul 2020 3:52

Instrument :

BNA_F

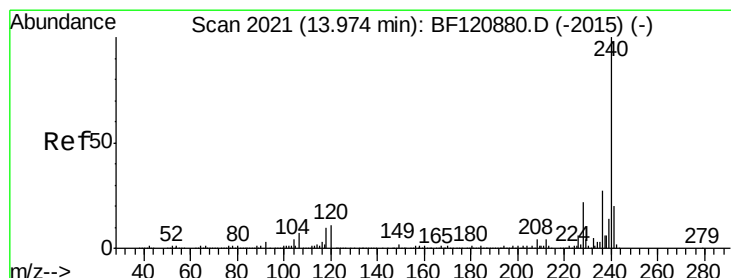
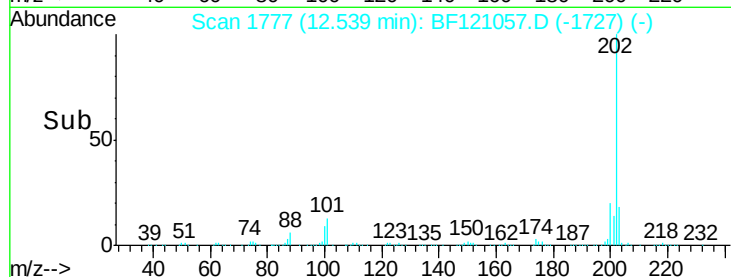
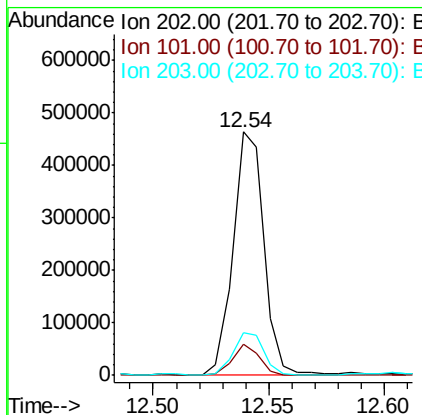
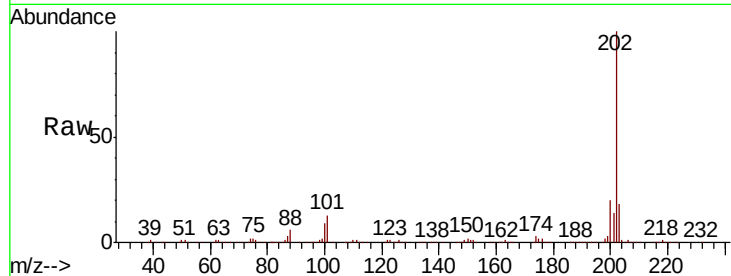
ClientSampleId :

CTR-005

Tot Ion:	202	Resp:	430563
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	32.7
203	17.7	0.0	38.0

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#76

Chrysene-d12

Concen: 20.000 ng

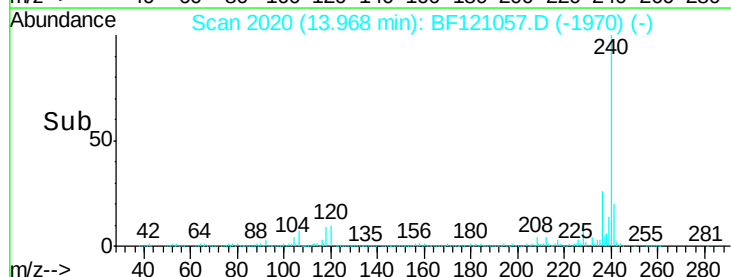
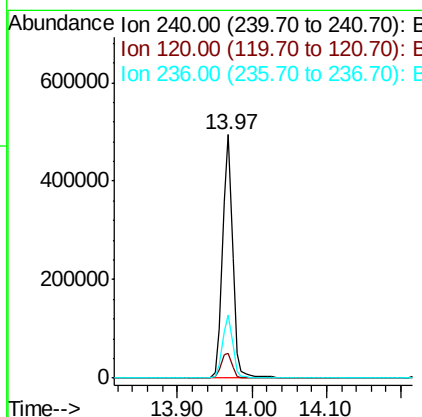
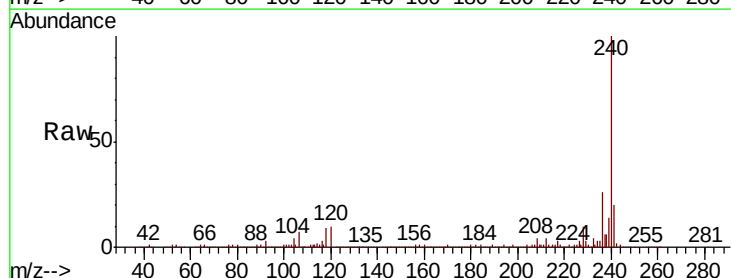
RT: 13.97 min Scan# 2020

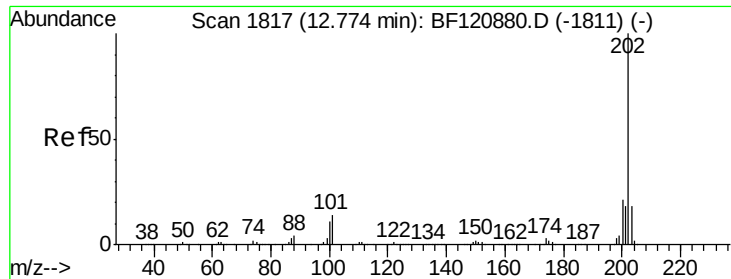
Delta R.T. -0.01 min

Lab File: BF121057.D

Acq: 28 Jul 2020 3:52

Tgt Ion:	240	Resp:	467119
Ion Ratio	Lower	Upper	
240	100		
120	10.4	9.0	13.4
236	26.2	21.7	32.5





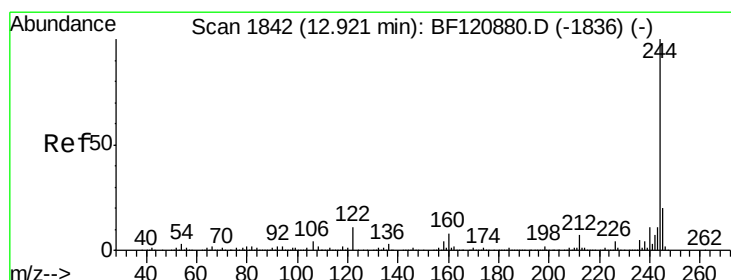
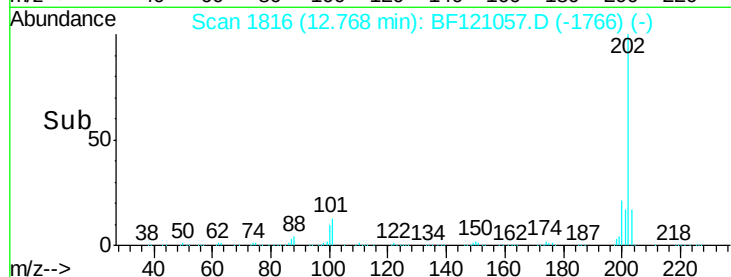
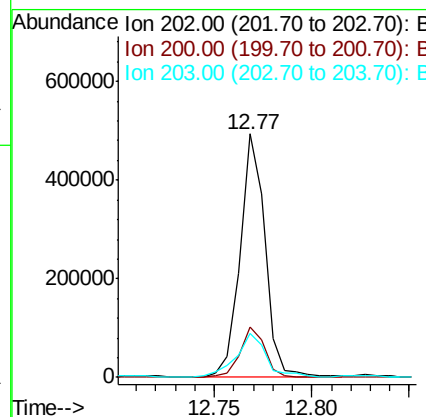
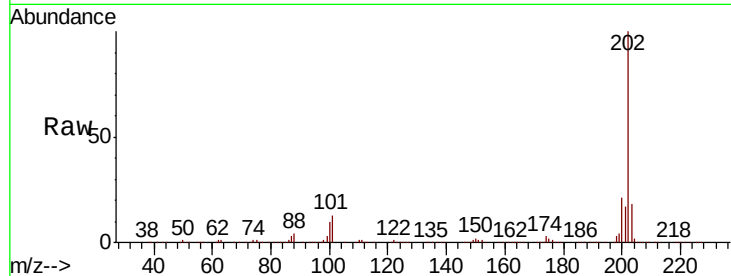
#78
Pvrene
Concen: 13.252 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF121057.D
Acq: 28 Jul 2020 3:52

Instrument :
BNA_F
ClientSampleId :
CTR-005

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.0	25.4
203	17.8	14.4	21.6

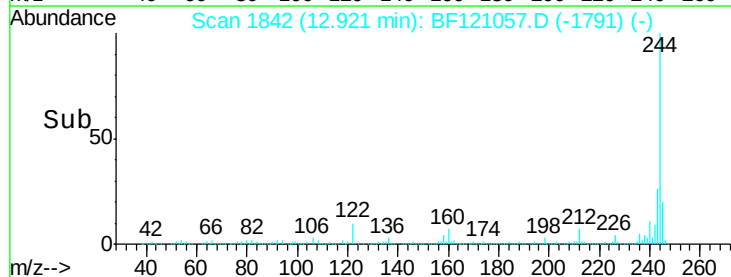
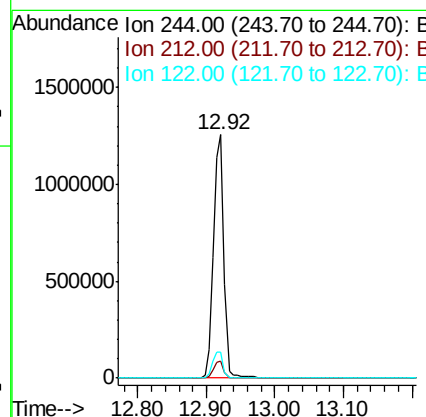
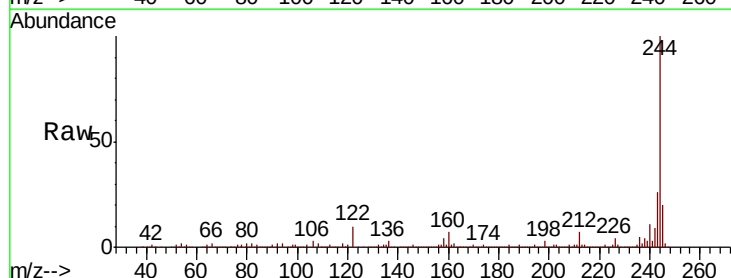
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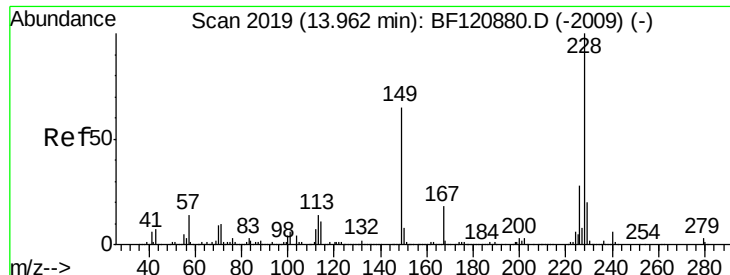
mohammad
7/28/2020 11:43:44 AM



#79
Terphenyl-d14
Concen: 62.629 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.00 min
Lab File: BF121057.D
Acq: 28 Jul 2020 3:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	10.5	8.9	13.3





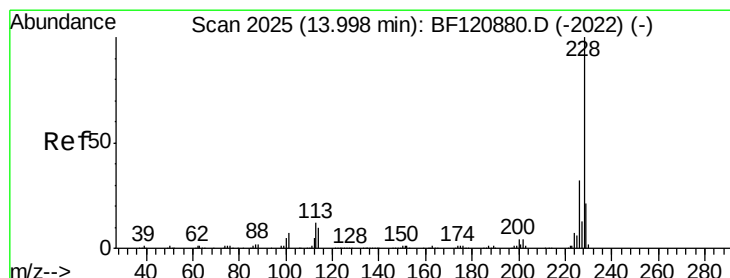
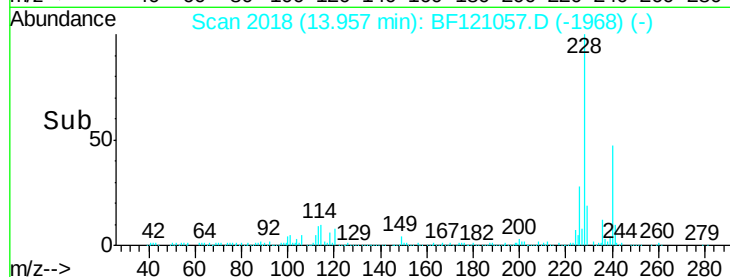
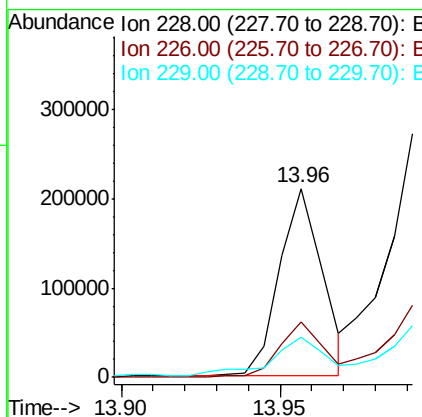
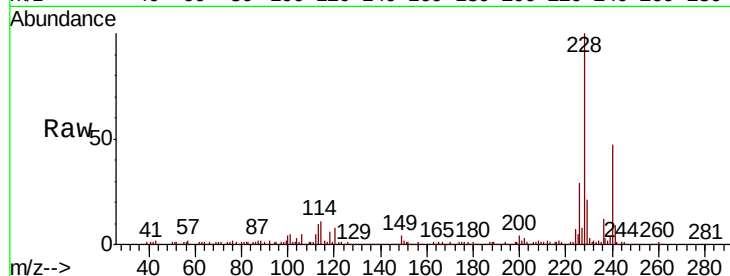
#81
Benzo(a)anthracene
Concen: 7.061 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF121057.D
Acq: 28 Jul 2020 3:52

Instrument :
BNA_F
ClientSampleId :
CTR-005

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.3	33.5
229	21.0	16.1	24.1

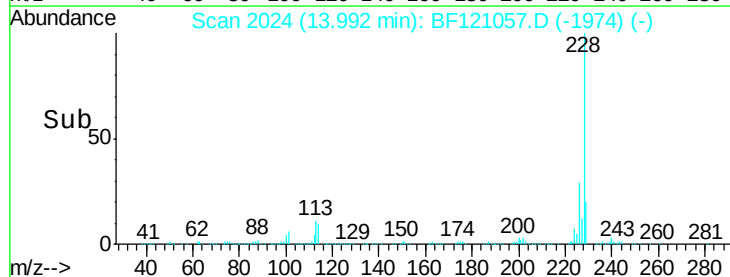
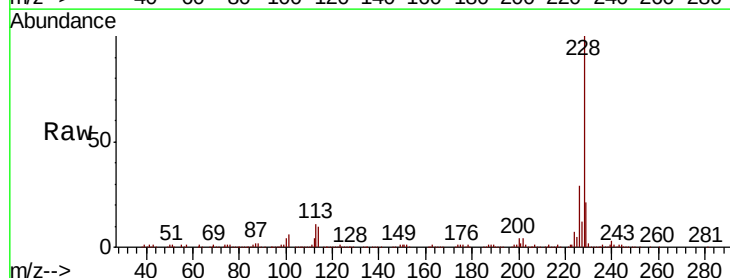
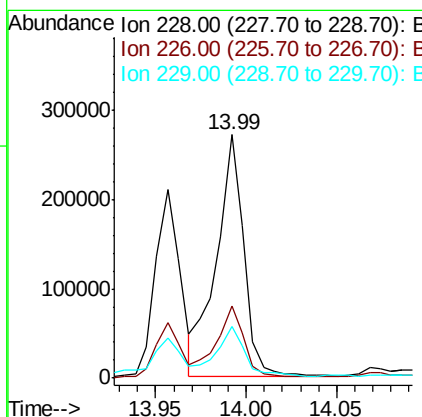
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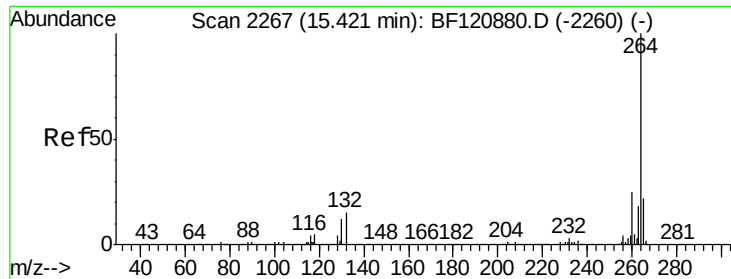
mohammad
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#83
Chrysene
Concen: 9.721 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF121057.D
Acq: 28 Jul 2020 3:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.6	38.4
229	21.1	16.8	25.2





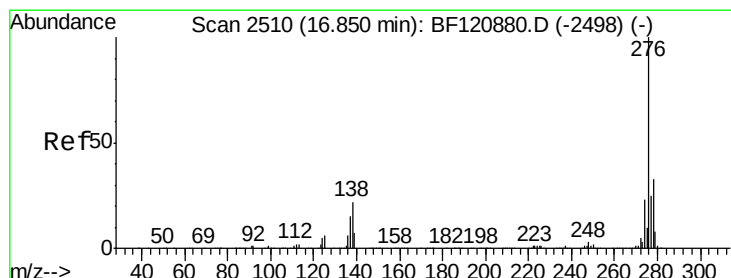
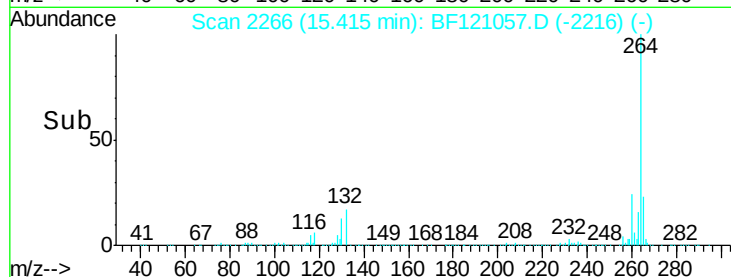
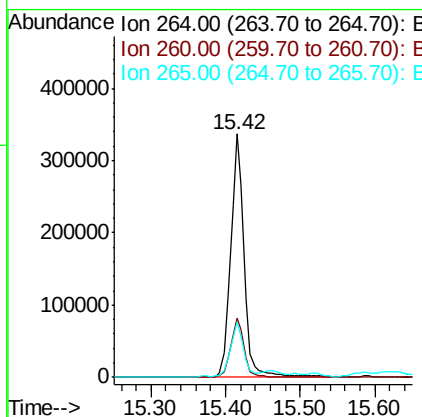
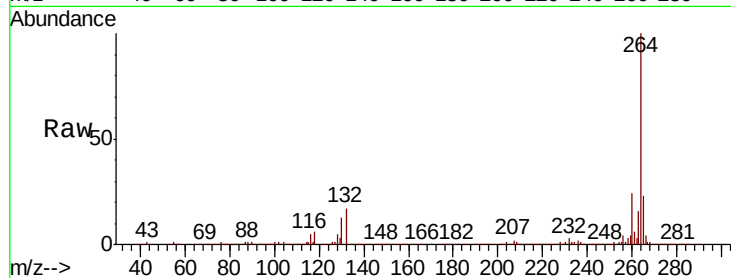
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF121057.D
Acq: 28 Jul 2020 3:52

Instrument :
BNA_F
ClientSampleId :
CTR-005

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.0	30.0
265	22.7	17.4	26.2

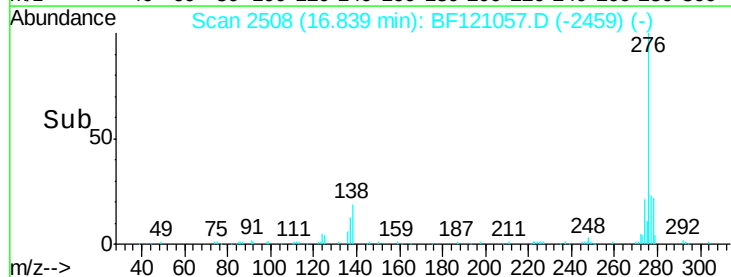
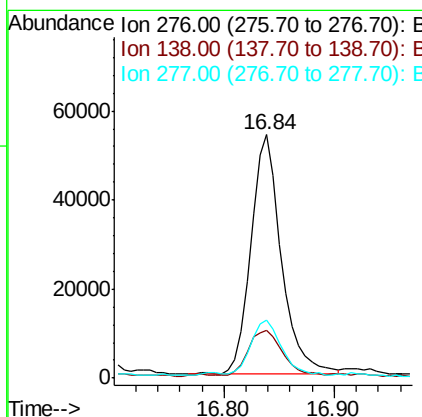
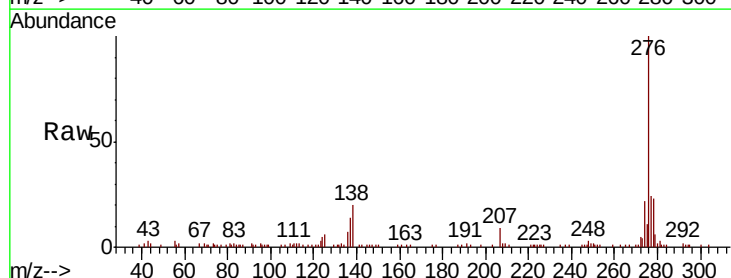
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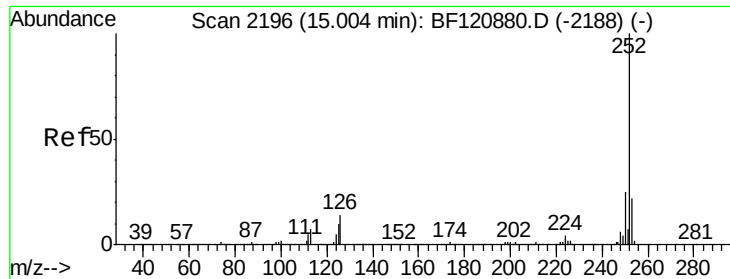
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#87
Indeno(1,2,3-cd)pyrene
Concen: 3.487 ng
RT: 16.84 min Scan# 2508
Delta R.T. -0.01 min
Lab File: BF121057.D
Acq: 28 Jul 2020 3:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.0	19.8	29.8
277	23.9	20.2	30.2





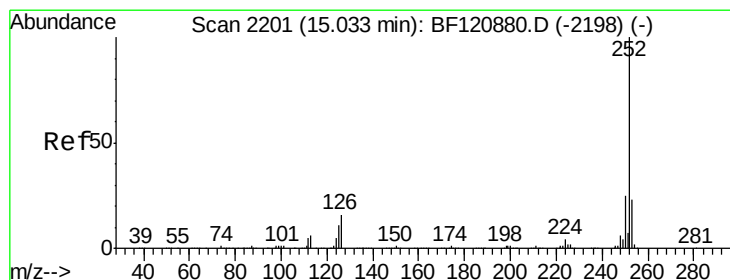
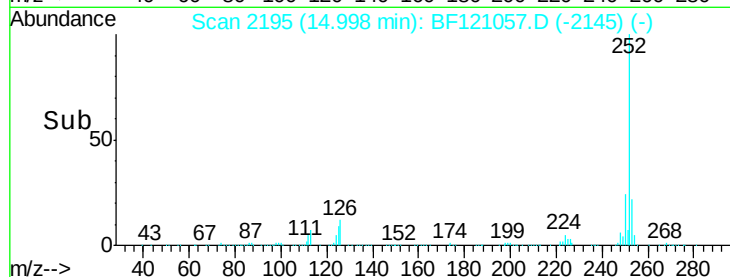
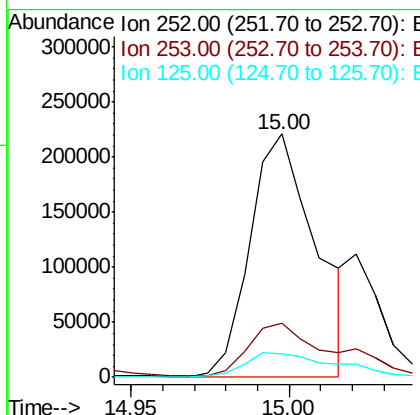
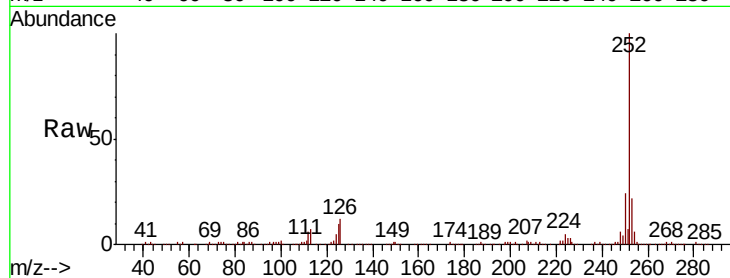
#88
Benzo(b)fluoranthene
Concen: 12.263 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF121057.D
Acq: 28 Jul 2020 3:52

Instrument :
BNA_F
ClientSampled :
CTR-005

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	9.8	8.3	12.5

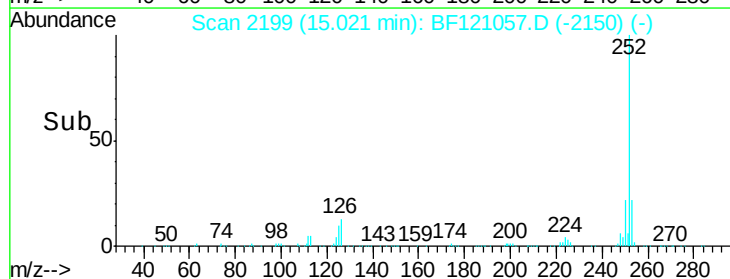
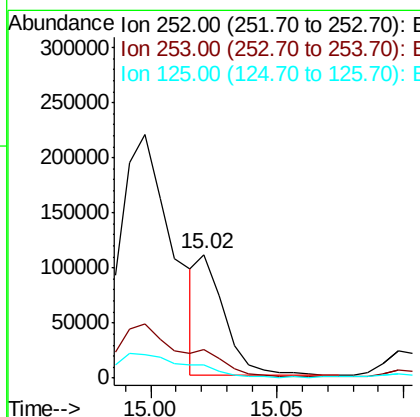
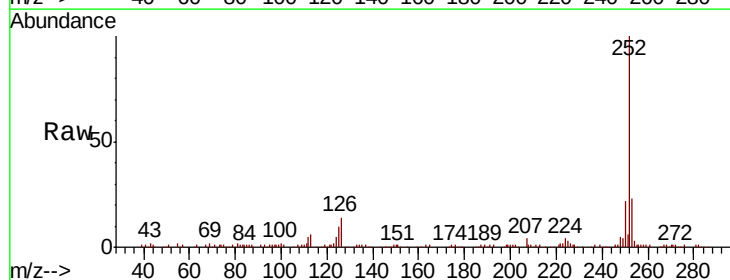
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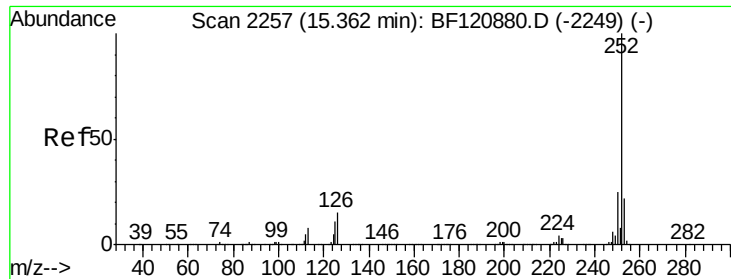
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#89
Benzo(k)fluoranthene
Concen: 3.405 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF121057.D
Acq: 28 Jul 2020 3:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	10.4	8.4	12.6





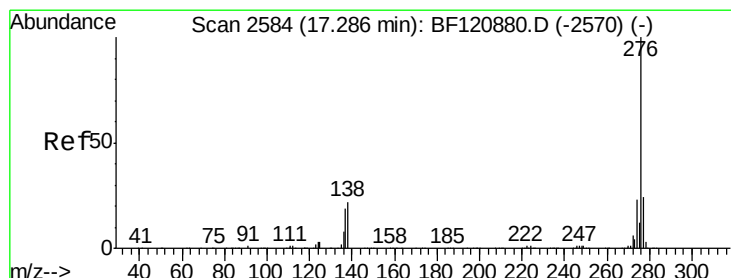
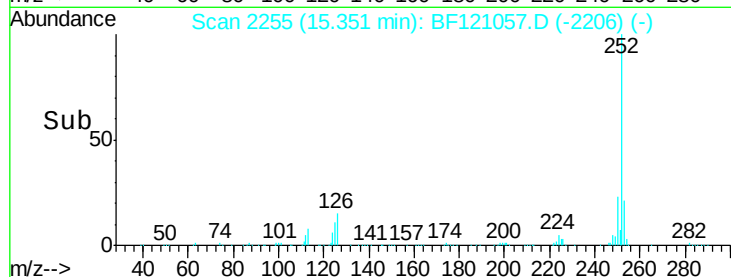
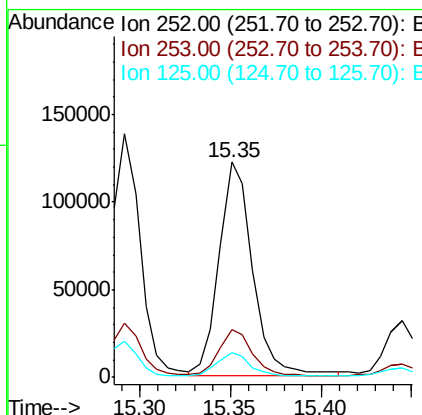
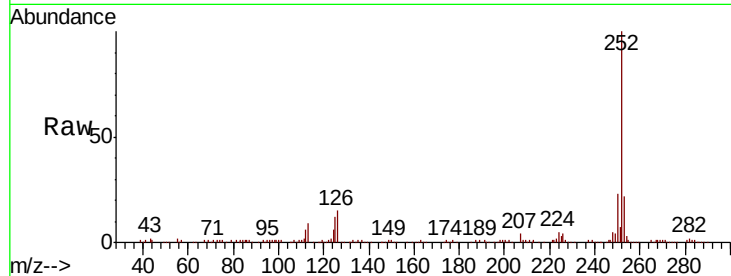
#90
Benzo(a)pyrene
Concen: 6.652 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.01 min
Lab File: BF121057.D
Acq: 28 Jul 2020 3:52

Instrument :
BNA_F
ClientSampleId :
CTR-005

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	11.8	8.9	13.3

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 4.188 ng
RT: 17.27 min Scan# 2581
Delta R.T. -0.02 min
Lab File: BF121057.D
Acq: 28 Jul 2020 3:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.8	28.2
138	20.2	17.5	26.3

