

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072820\
 Data File : BF121093.D
 Acq On : 29 Jul 2020 3:30
 Operator : JU/CG
 Sample : L3430-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS2

Manual Integrations
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mohammad
 7/29/2020 11:48:04 AM

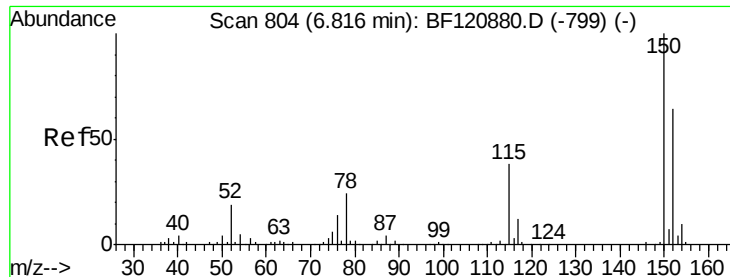
Quant Time: Jul 29 05:46:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	186360	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	680177	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	361792	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	650757	20.00	ng	0.00
76) Chrysene-d12	13.98	240	380317	20.00	ng	0.00
86) Perylene-d12	15.44	264	450022	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	961022	84.54	ng	0.01
7) Phenol-d6	6.46	99	1145067	77.98	ng	0.01
23) Nitrobenzene-d5	7.38	82	732103	62.28	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	348246	87.94	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1346519	55.57	ng	0.00
79) Terphenyl-d14	12.93	244	1174631	67.14	ng	0.00

Target Compounds					Qvalue	
49) Acenaphthylene	9.71	152	87423	2.501	ng	99
50) Dimethylphthalate	9.57	163	235475	9.022	ng	99
71) Phenanthrene	11.36	178	422789	12.632	ng	99
72) Anthracene	11.41	178	180091	5.359	ng	99
75) Fluoranthene	12.55	202	1104517	29.773	ng	99
78) Pyrene	12.79	202	1040894	38.711	ng	99
81) Benzo(a)anthracene	13.97	228	640973	27.832	ng	96
83) Chrysene	14.00	228	600001	24.791	ng	97
84) Bis(2-ethylhexyl)phthalate	13.96	149	79329	5.367	ng	97
87) Indeno(1,2,3-cd)pyrene	16.89	276	332517	10.624	ng	96
88) Benzo(b)fluoranthene	15.02	252	770458m	28.323	ng	
89) Benzo(k)fluoranthene	15.04	252	280538m	11.308	ng	
90) Benzo(a)pyrene	15.38	252	553720	22.311	ng	# 96
91) Dibenzo(a,h)anthracene	16.90	278	77719	3.040	ng	# 81
92) Benzo(a,h,i)perylene	17.33	276	288385	11.441	ng	97

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



#1

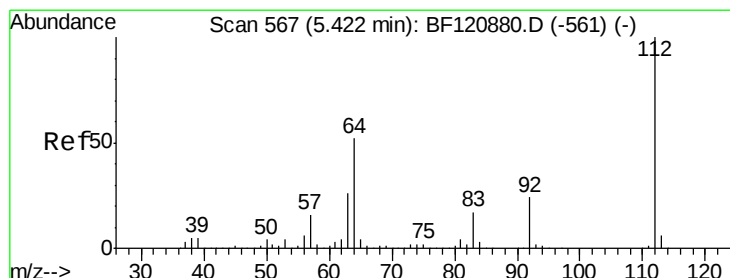
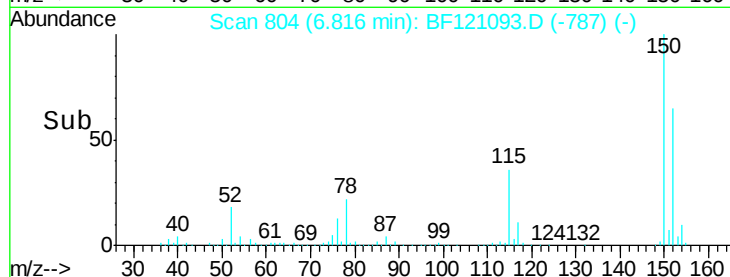
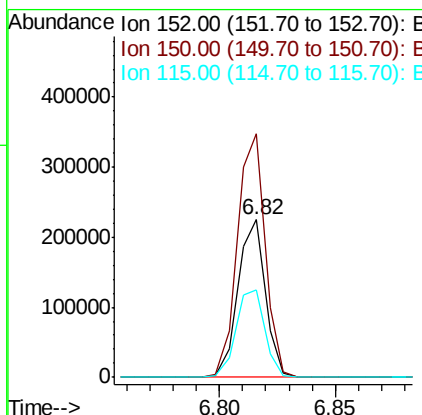
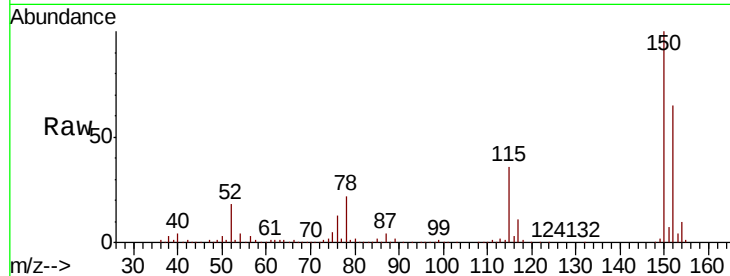
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF121093.D
Acq: 29 Jul 2020 3:30

Instrument :
BNA_F
ClientSampled :
TS2

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	125.0	187.6
115	55.5	47.0	70.4

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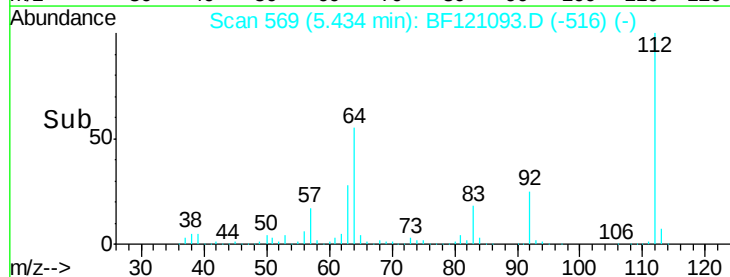
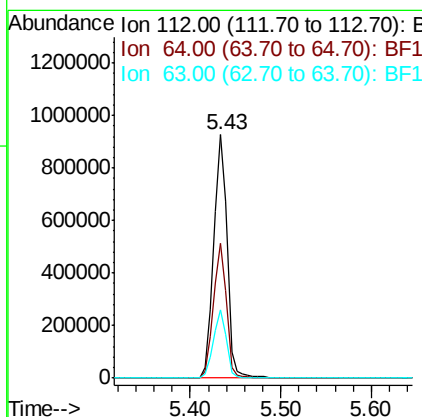
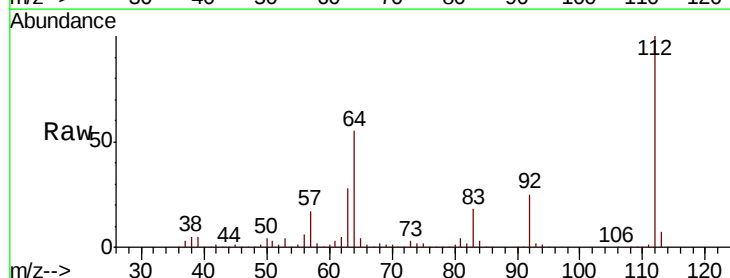
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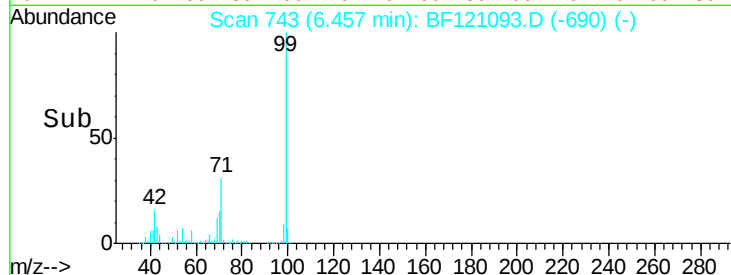
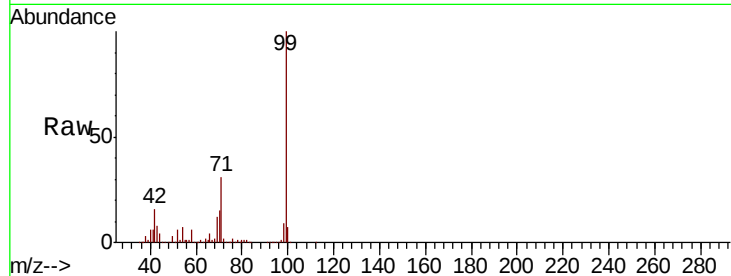
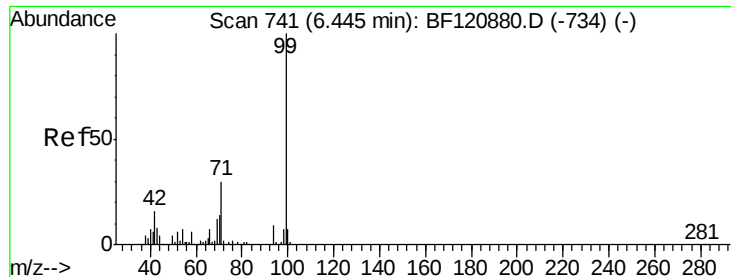


#5

2-Fluorophenol
Concen: 84.538 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF121093.D
Acq: 29 Jul 2020 3:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	41.3	61.9
63	28.1	21.1	31.7





#7

Phenol-d6

Concen: 77.978 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF121093.D

Acq: 29 Jul 2020 3:30

Tot Ion:	99	Resp:	1145067
Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.1	19.7
71	30.9	24.2	36.4

Instrument :

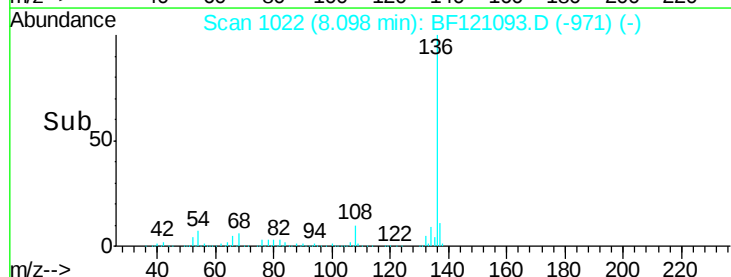
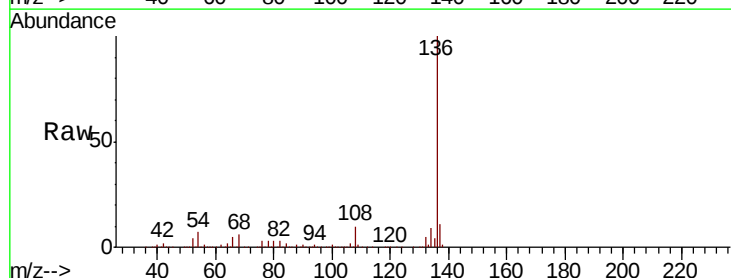
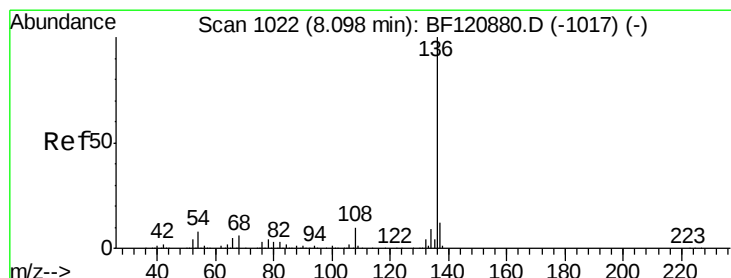
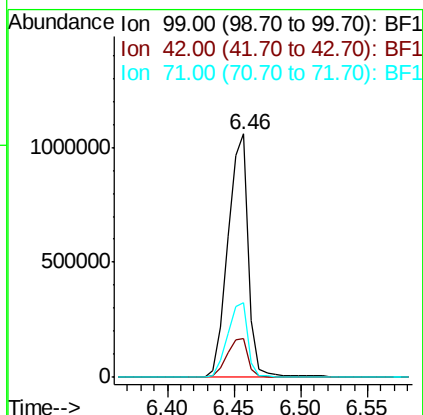
BNA_F

ClientSampled :

TS2

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#21

Naphthalene-d8

Concen: 20.000 ng

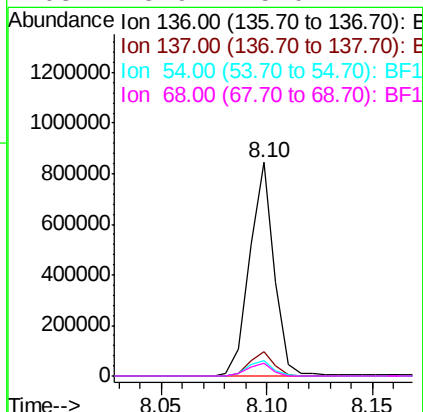
RT: 8.10 min Scan# 1022

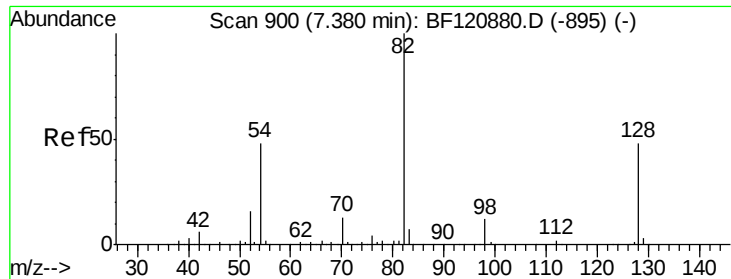
Delta R.T. 0.00 min

Lab File: BF121093.D

Acq: 29 Jul 2020 3:30

Tgt Ion:	136	Resp:	680177
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.3	13.9
54	7.1	6.3	9.5
68	5.9	5.0	7.4





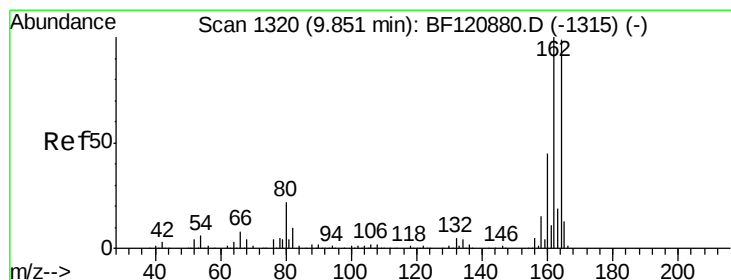
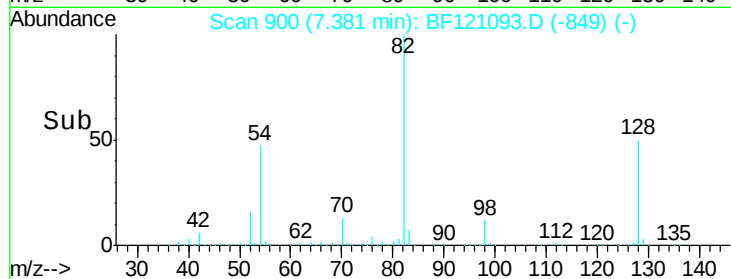
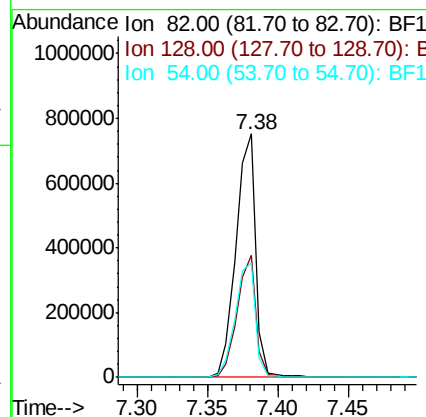
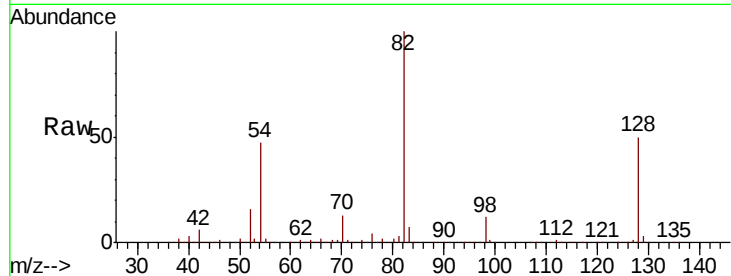
#23
Nitrobenzene-d5
Concen: 62.280 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.00 min
Lab File: BF121093.D
Acq: 29 Jul 2020 3:30

Instrument :
BNA_F
ClientSampled :
TS2

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.0	38.2	57.4
54	47.1	38.7	58.1

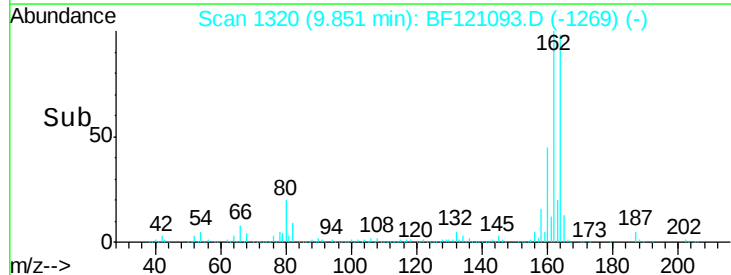
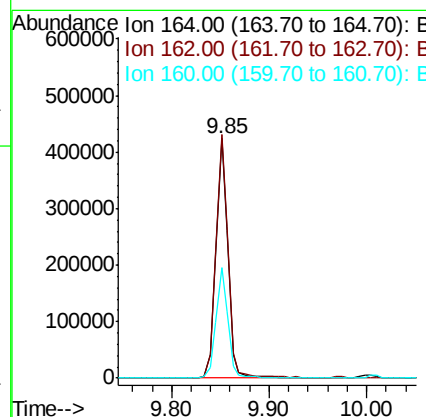
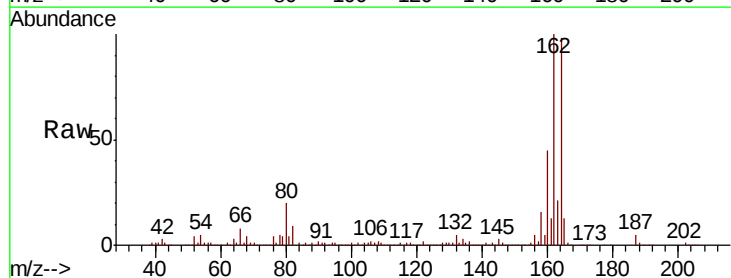
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF121093.D
Acq: 29 Jul 2020 3:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.2	121.8
160	45.9	36.9	55.3





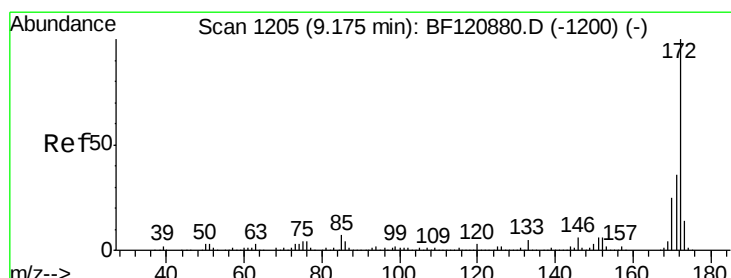
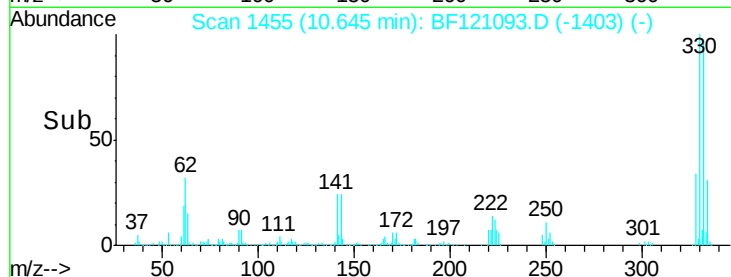
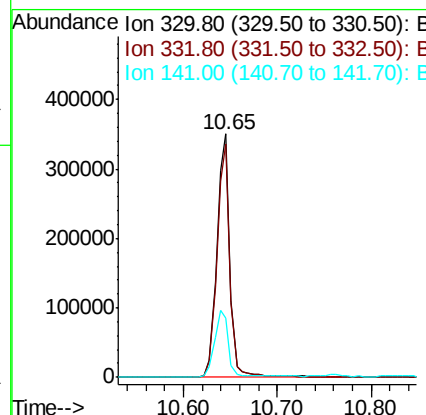
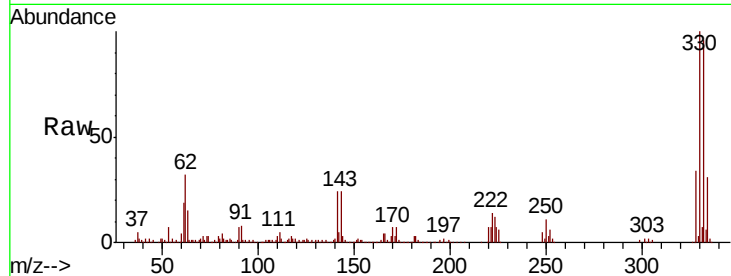
#42
 2,4,6-Tribromophenol
 Concen: 87.937 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF121093.D
 Acq: 29 Jul 2020 3:30

Instrument :
 BNA_F
 ClientSampleId :
 TS2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	348246		
332	95.0		75.5	113.3
141	28.6		25.7	38.5

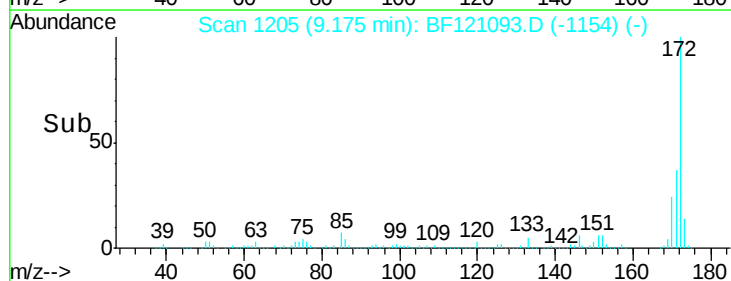
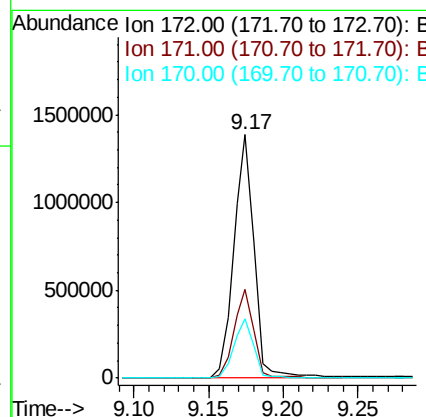
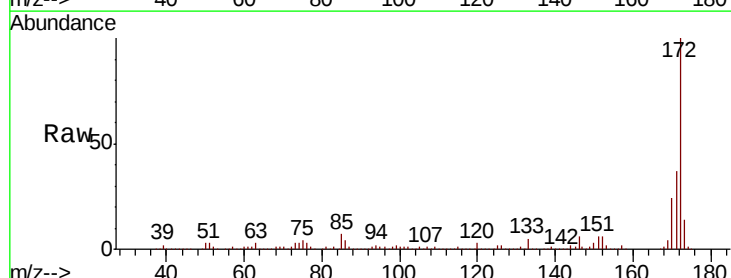
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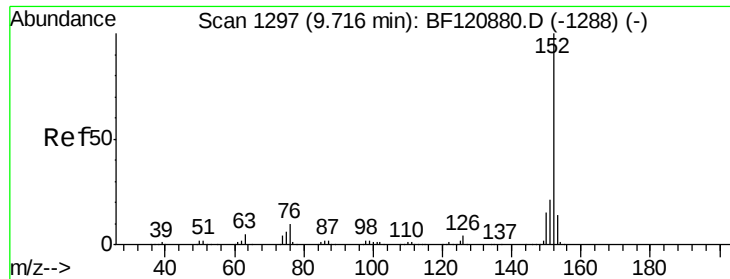
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#45
 2-Fluorobiphenyl
 Concen: 55.568 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF121093.D
 Acq: 29 Jul 2020 3:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1346519		
171	36.6		29.0	43.4
170	24.4		19.6	29.4





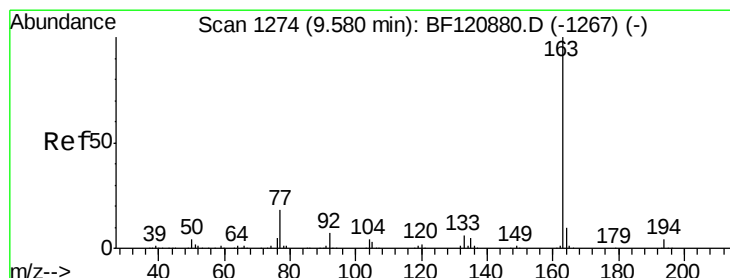
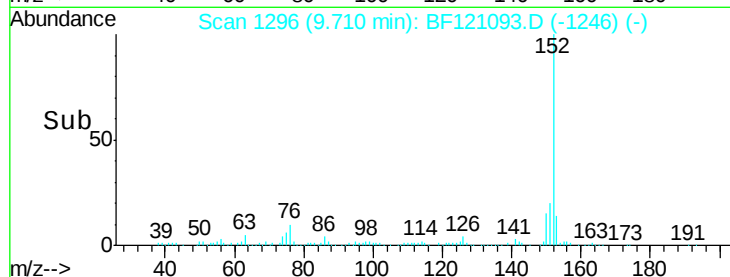
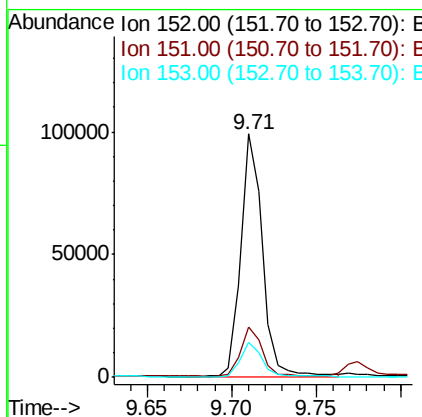
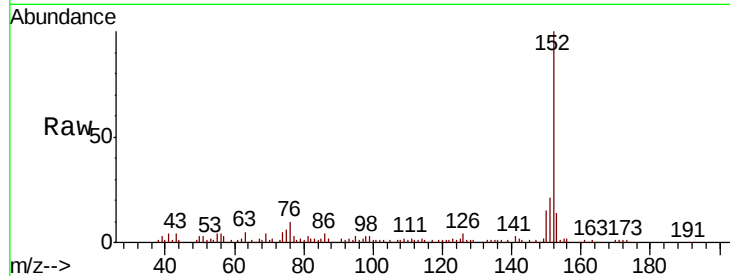
#49
Acenaphthylene
Concen: 2.501 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF121093.D
Acq: 29 Jul 2020 3:30

Instrument :
BNA_F
ClientSampleId :
TS2

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.6	25.0
153	14.2	10.9	16.3

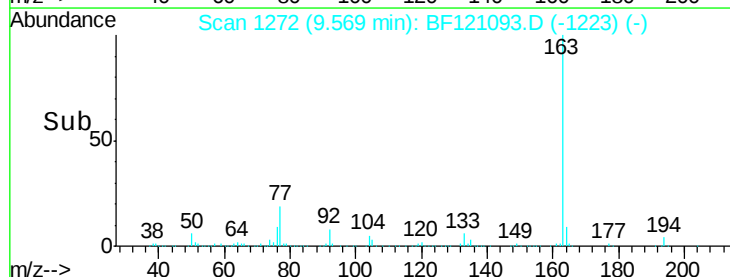
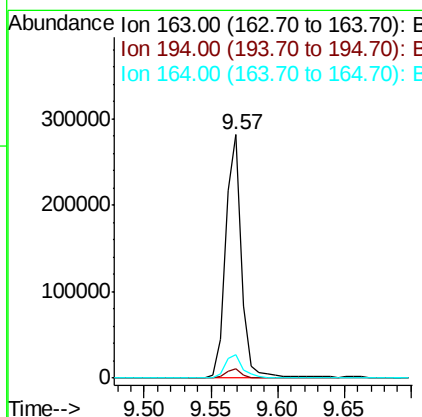
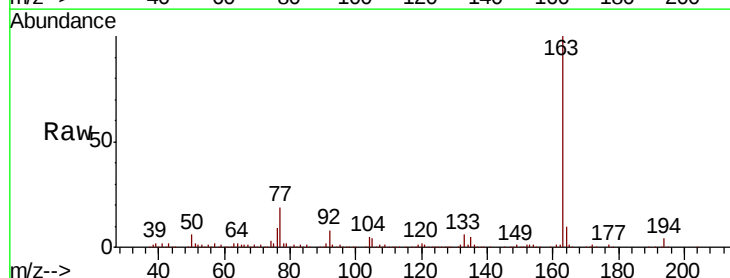
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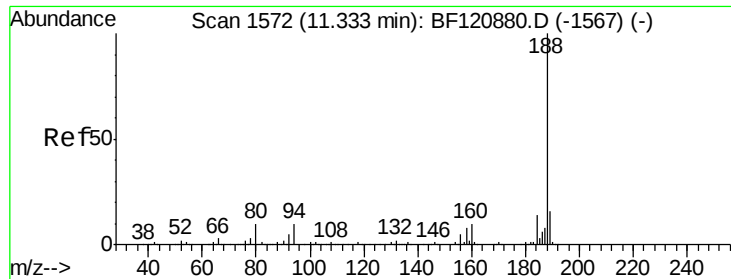
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#50
Dimethylphthalate
Concen: 9.022 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF121093.D
Acq: 29 Jul 2020 3:30

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	9.6	7.9	11.9





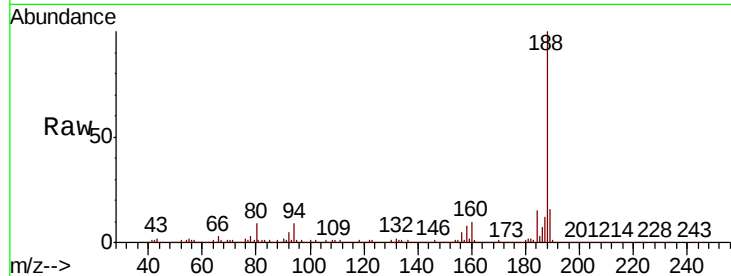
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF121093.D
Acq: 29 Jul 2020 3:30

Instrument :
BNA_F
ClientSampled :
TS2

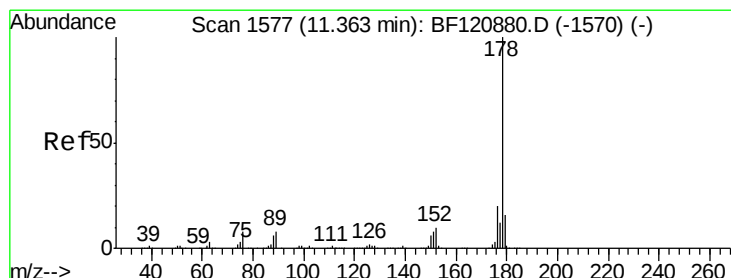
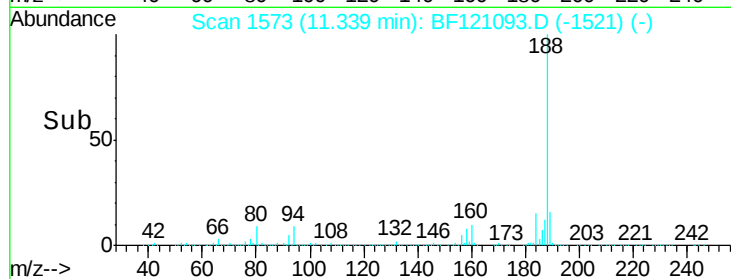
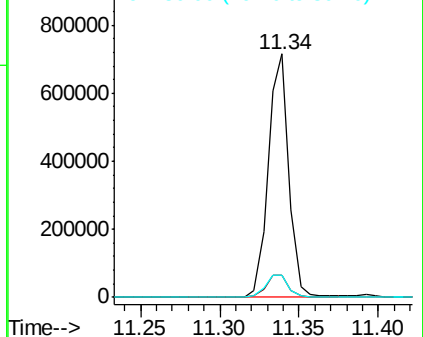
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.1	8.0	12.0
80	9.2	8.3	12.5

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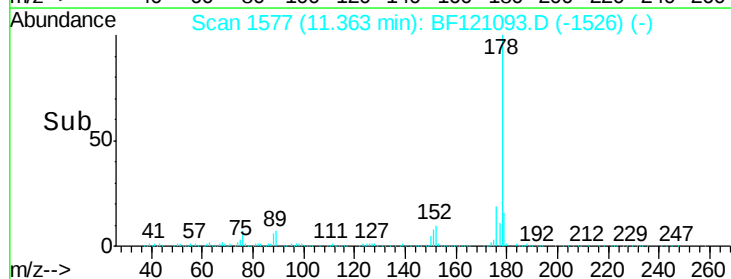
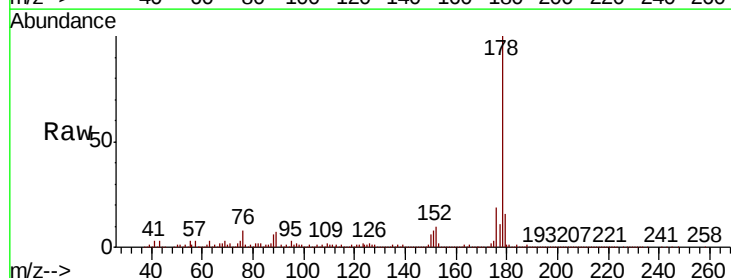
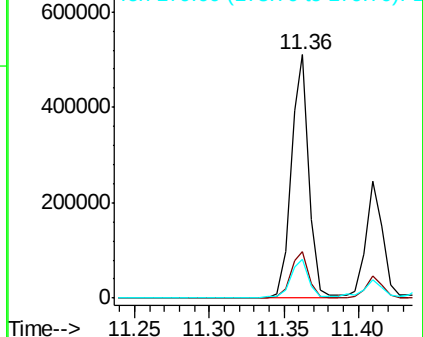
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

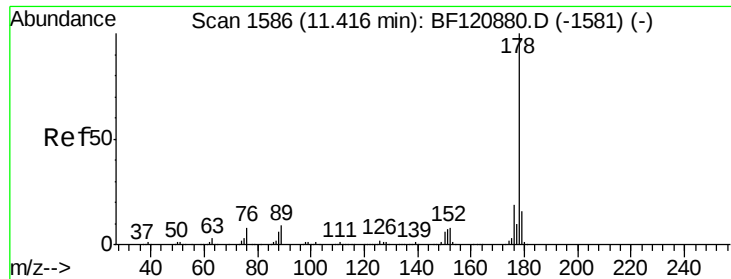


#71
Phenanthrene
Concen: 12.632 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF121093.D
Acq: 29 Jul 2020 3:30

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	16.2	24.4
179	15.9	12.8	19.2

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





#72

Anthracene

Concen: 5.359 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF121093.D

Acq: 29 Jul 2020 3:30

Instrument :

BNA_F

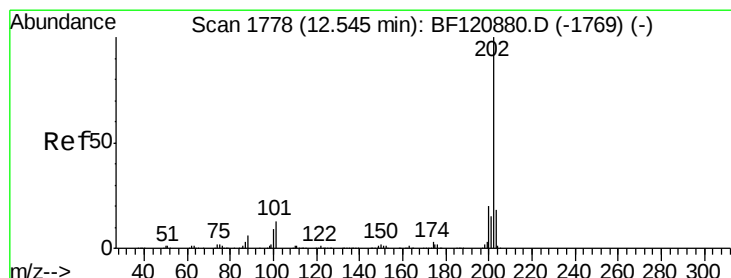
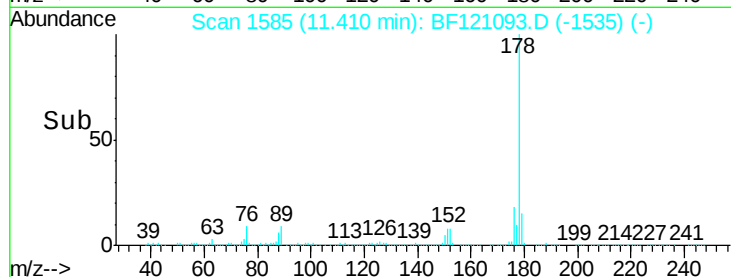
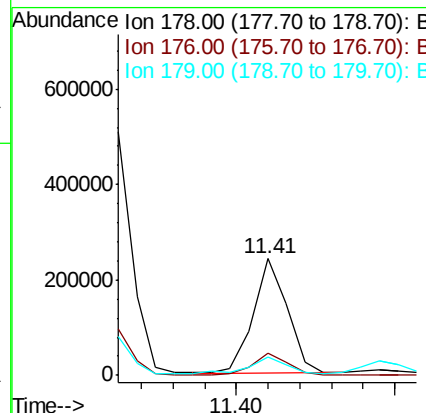
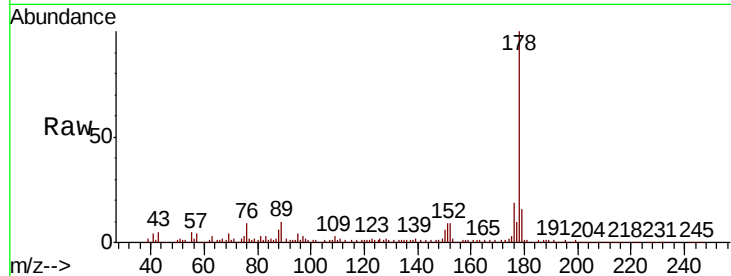
ClientSampleId :

TS2

Tot Ion:	178	Resp:	180091
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.5	23.3
179	15.8	12.8	19.2

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#75

Fluoranthene

Concen: 29.773 ng

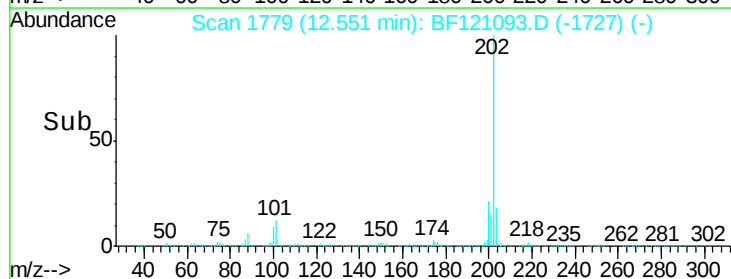
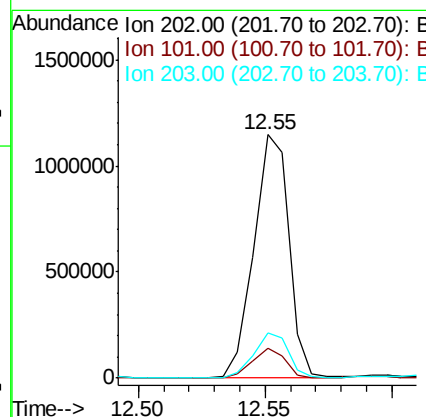
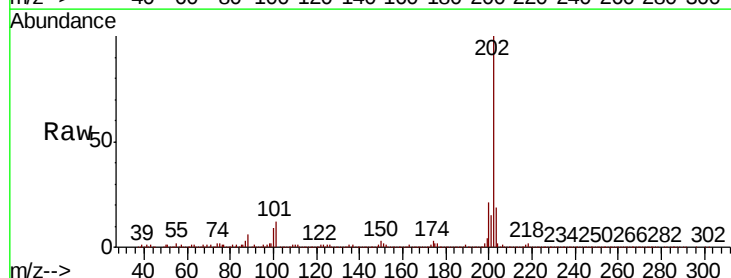
RT: 12.55 min Scan# 1779

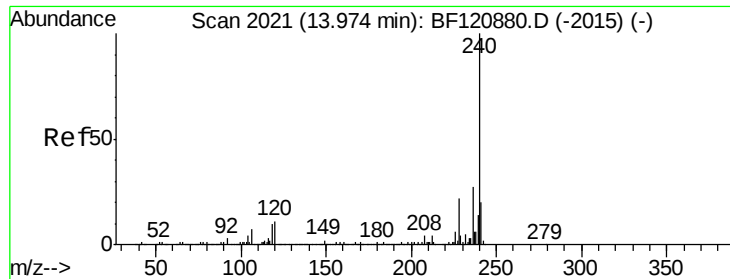
Delta R.T. 0.01 min

Lab File: BF121093.D

Acq: 29 Jul 2020 3:30

Tgt Ion:	202	Resp:	1104517
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	32.7
203	18.5	0.0	38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BF121093.D

Acq: 29 Jul 2020 3:30

Instrument :

BNA_F

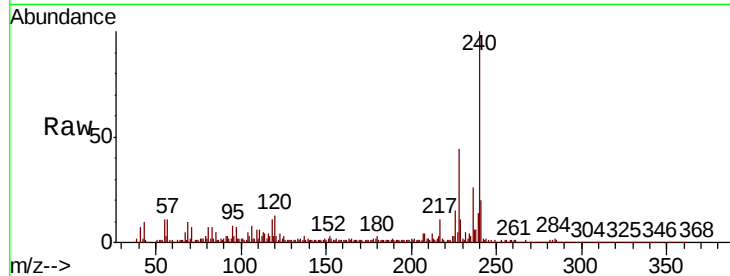
ClientSampleId :

TS2

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.0	13.4
236	26.1	21.7	32.5

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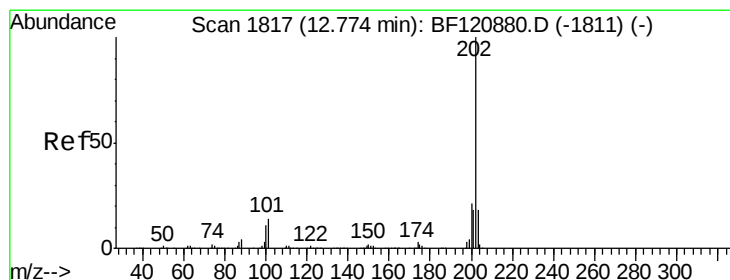
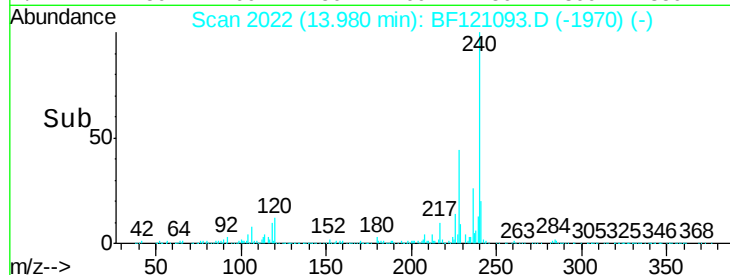
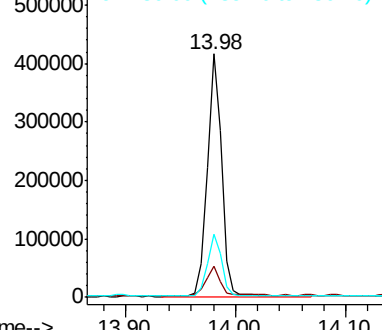


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 38.711 ng

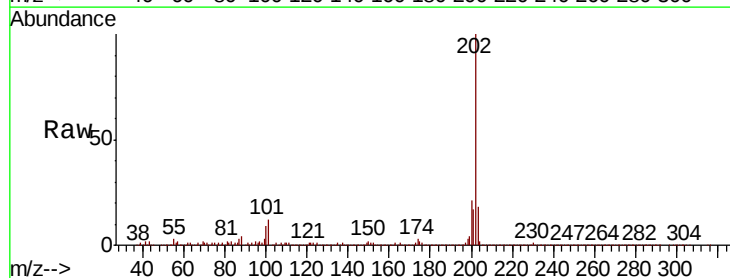
RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF121093.D

Acq: 29 Jul 2020 3:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	18.1	14.4	21.6

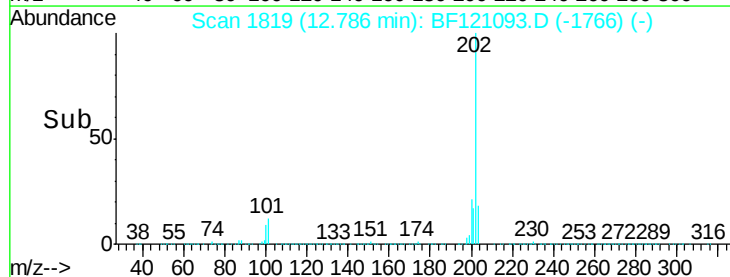
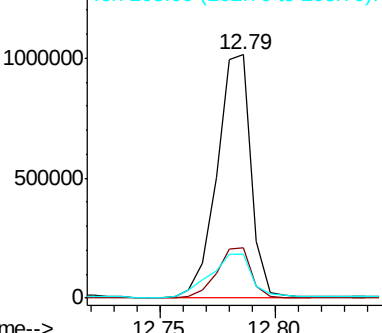


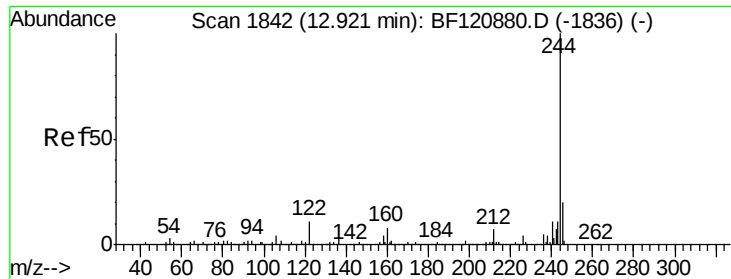
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 67.139 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF121093.D

Acq: 29 Jul 2020 3:30

Instrument :

BNA_F

ClientSampleId :

TS2

Tot Ion:244 Resp: 1174631

Ion Ratio Lower Upper

244 100

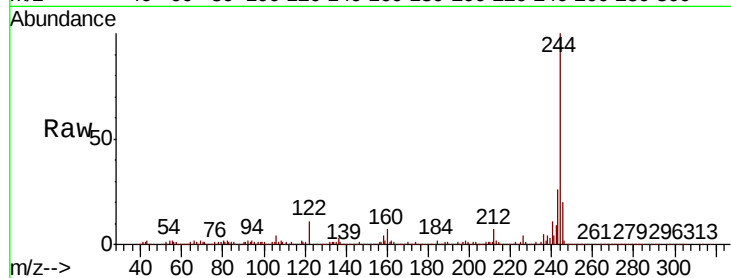
212 7.0 5.6 8.4

122 10.7 8.9 13.3

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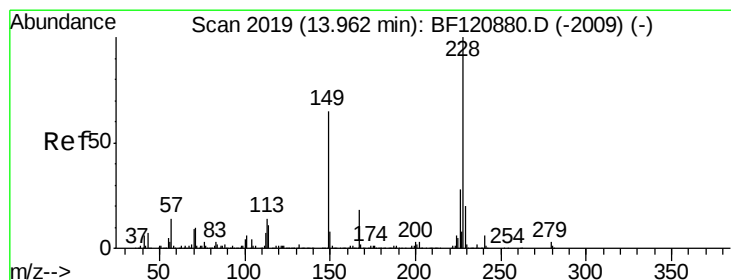
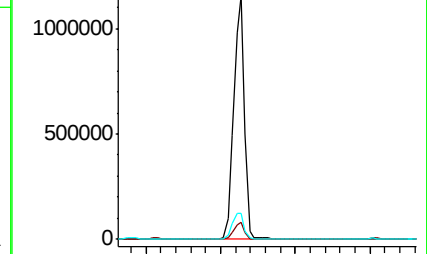
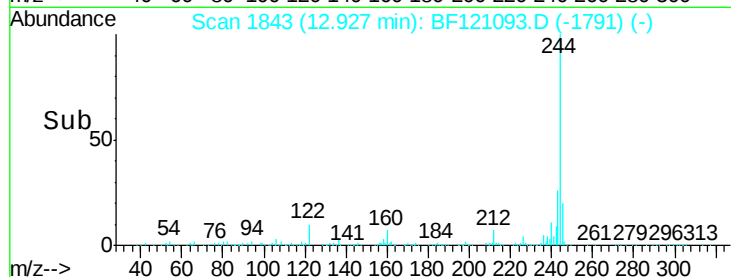
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 27.832 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF121093.D

Acq: 29 Jul 2020 3:30

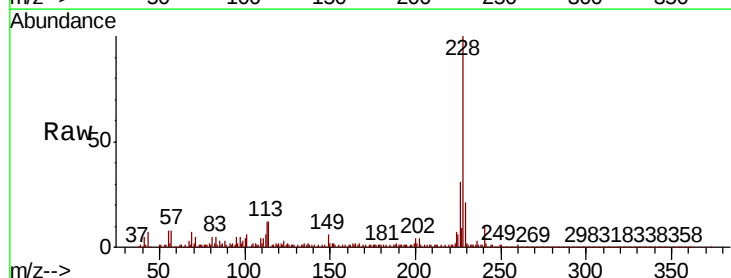
Tgt Ion:228 Resp: 640973

Ion Ratio Lower Upper

228 100

226 30.8 22.3 33.5

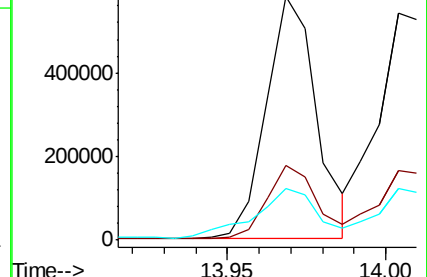
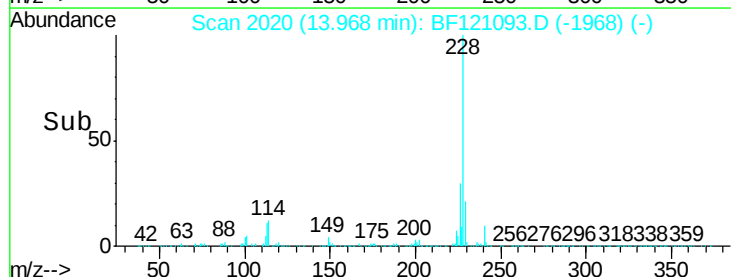
229 21.2 16.1 24.1

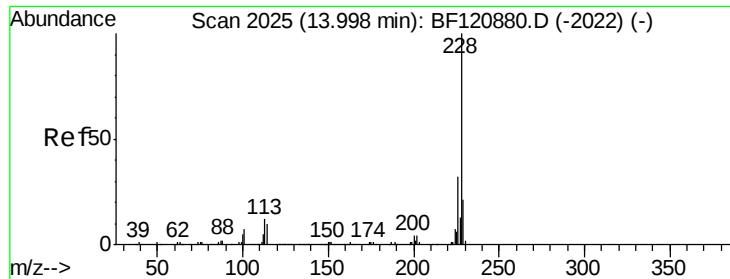


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





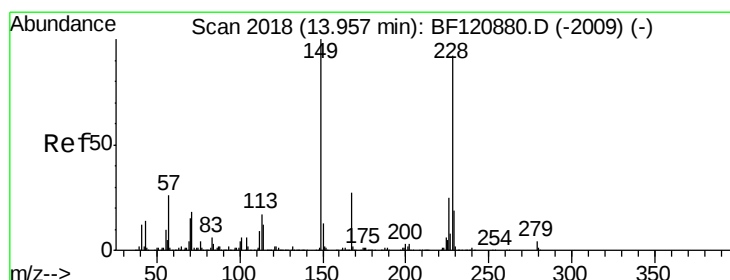
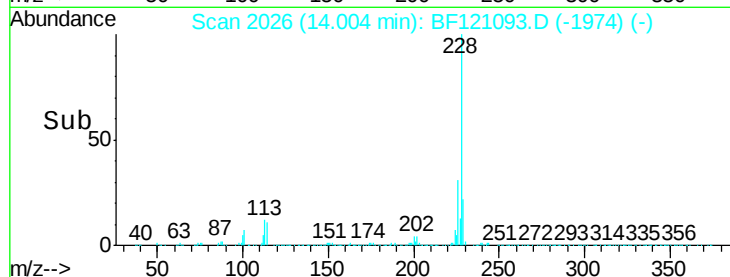
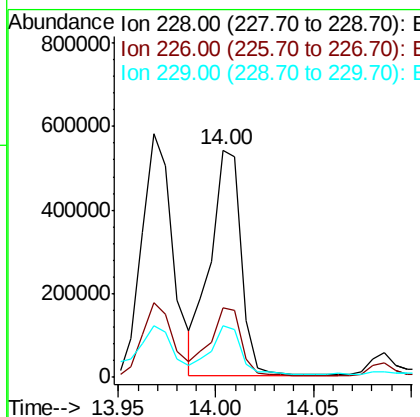
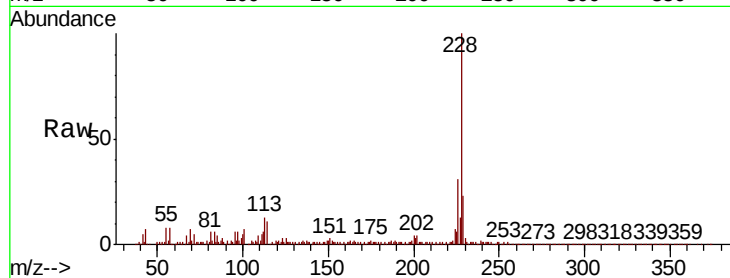
#83
 Chrvsene
 Concen: 24.791 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.01 min
 Lab File: BF121093.D
 Acq: 29 Jul 2020 3:30

Instrument :
 BNA_F
 ClientSampleId :
 TS2

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.6	38.4
229	22.5	16.8	25.2

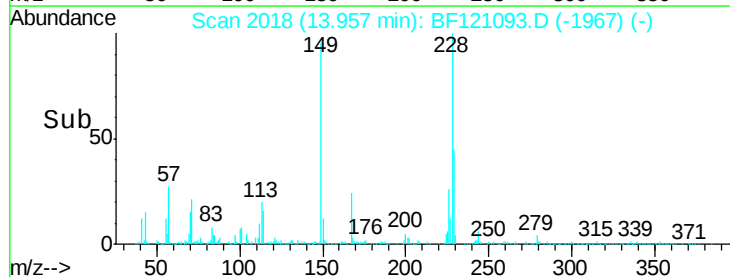
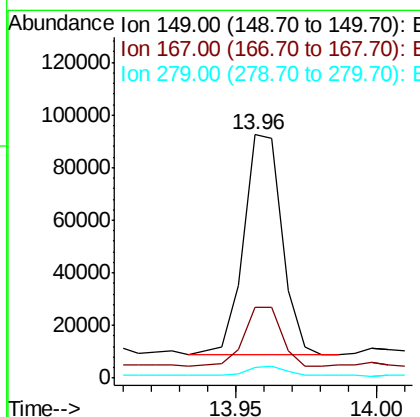
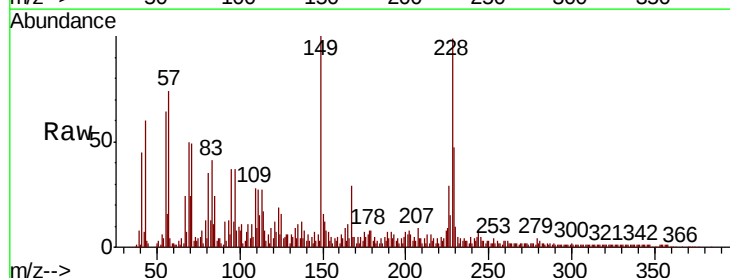
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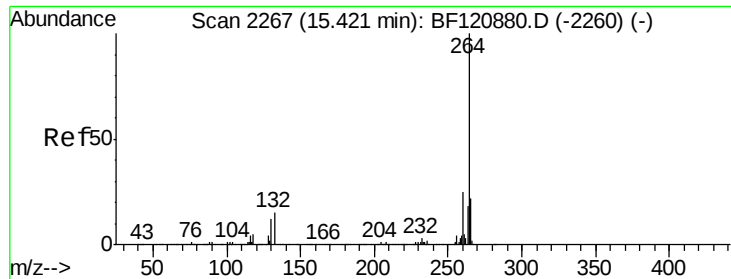
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.367 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: BF121093.D
 Acq: 29 Jul 2020 3:30

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.2	21.9	32.9
279	4.2	3.0	4.4





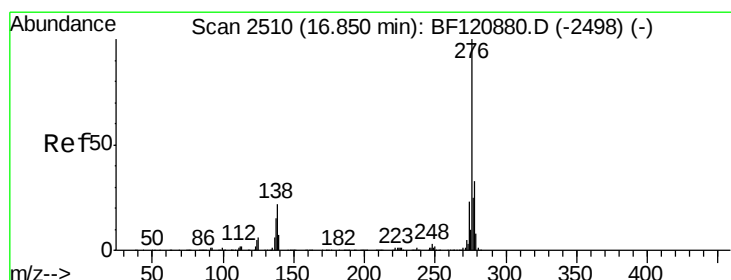
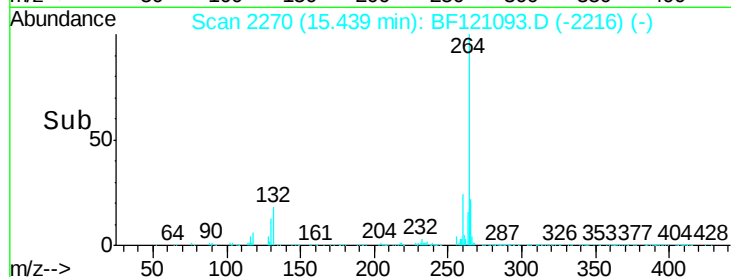
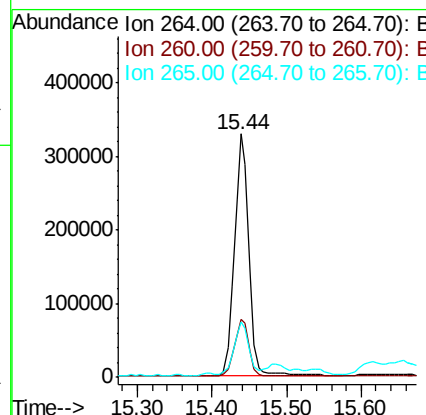
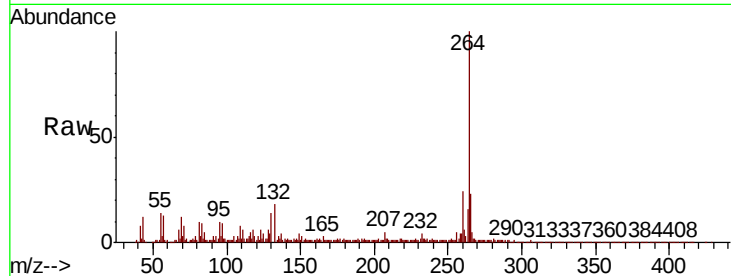
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.02 min
Lab File: BF121093.D
Acq: 29 Jul 2020 3:30

Instrument :
BNA_F
ClientSampleId :
TS2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.0	30.0
265	22.9	17.4	26.2

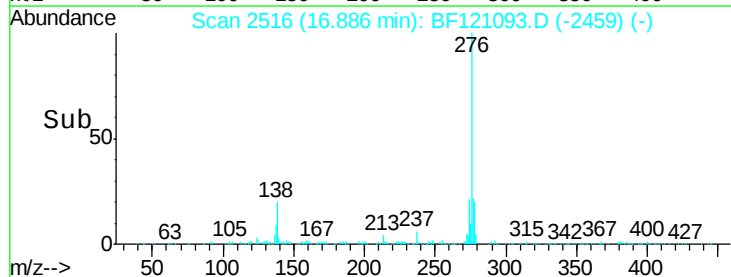
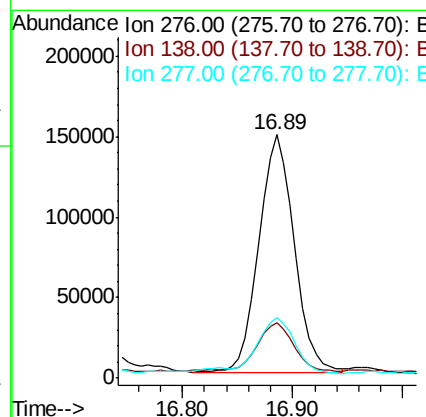
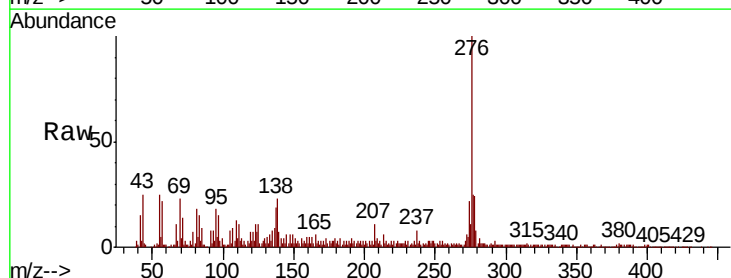
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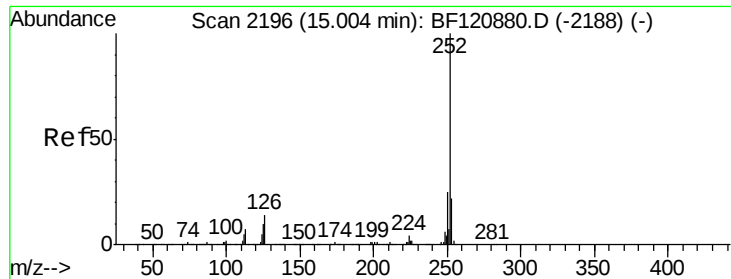
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#87
Indeno(1,2,3-cd)pyrene
Concen: 10.624 ng
RT: 16.89 min Scan# 2516
Delta R.T. 0.04 min
Lab File: BF121093.D
Acq: 29 Jul 2020 3:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.2	19.8	29.8
277	24.6	20.2	30.2





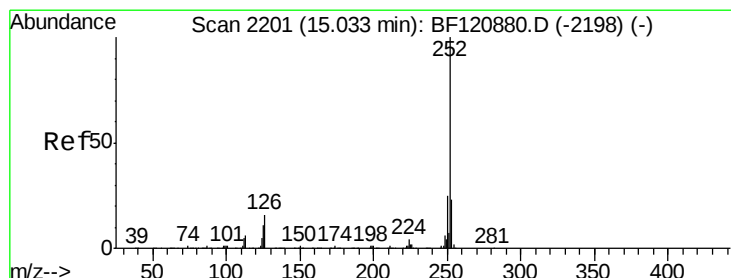
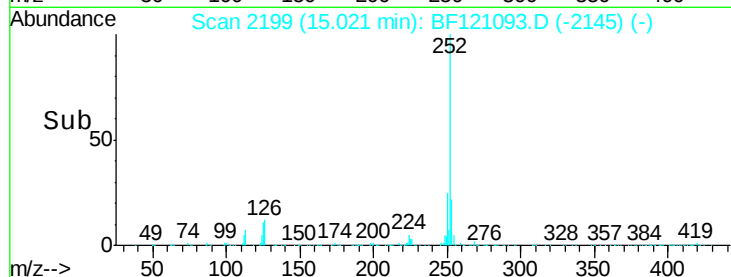
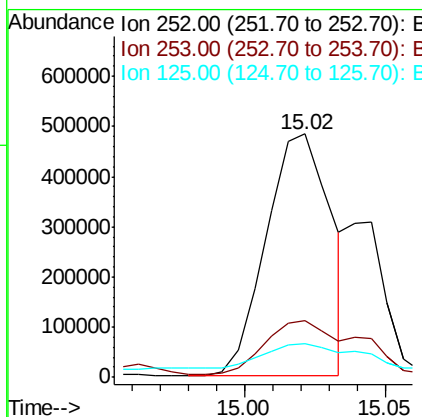
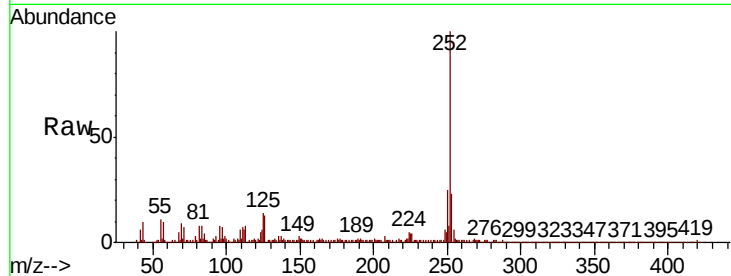
#88
Benzo(b)fluoranthene
Concen: 28.323 ng m
RT: 15.02 min Scan# 2199
Delta R.T. 0.02 min
Lab File: BF121093.D
Acq: 29 Jul 2020 3:30

Instrument :
BNA_F
ClientSampleId :
TS2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	14.0	8.3	12.5

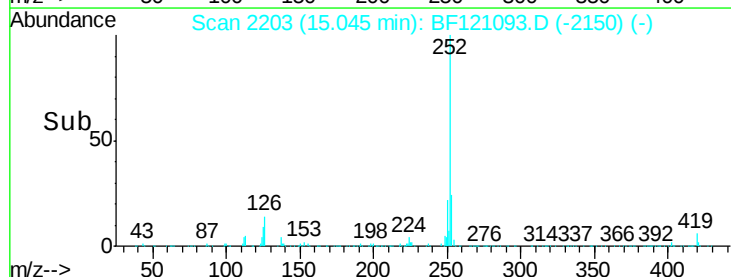
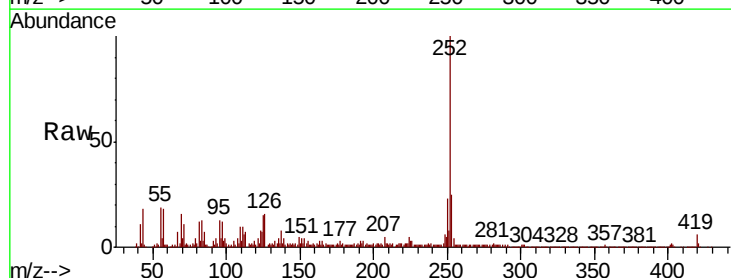
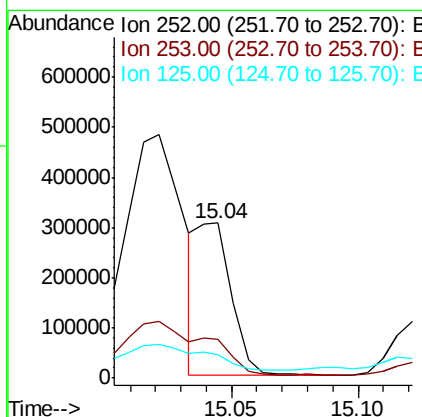
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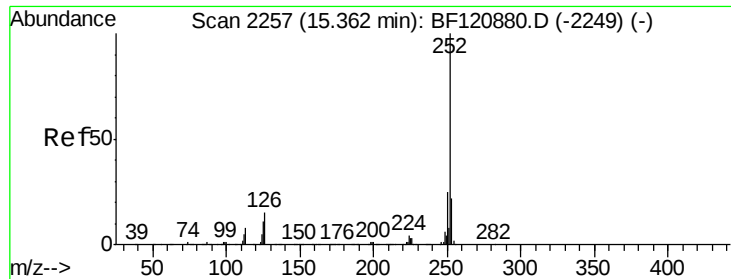
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#89
Benzo(k)fluoranthene
Concen: 11.308 ng m
RT: 15.04 min Scan# 2203
Delta R.T. 0.01 min
Lab File: BF121093.D
Acq: 29 Jul 2020 3:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.2	27.2
125	14.9	8.4	12.6





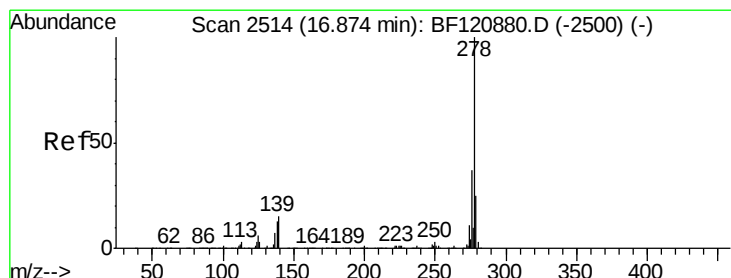
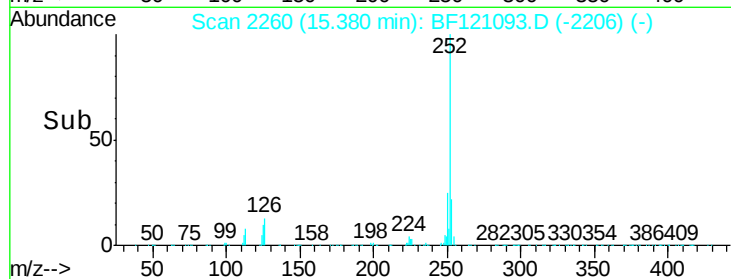
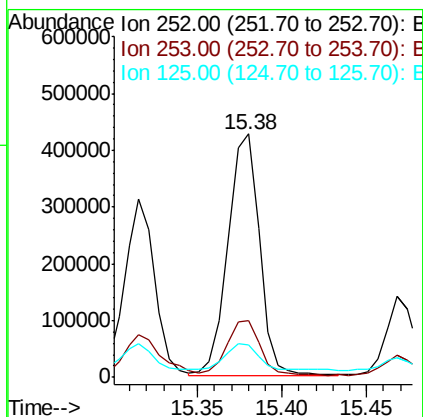
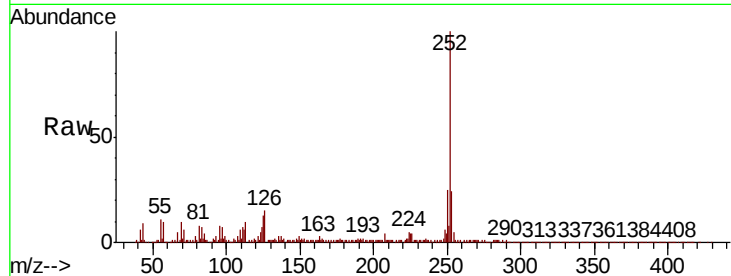
#90
Benzo(a)pyrene
Concen: 22.311 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.02 min
Lab File: BF121093.D
Acq: 29 Jul 2020 3:30

Instrument :
BNA_F
ClientSampleId :
TS2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	13.5	8.9	13.3

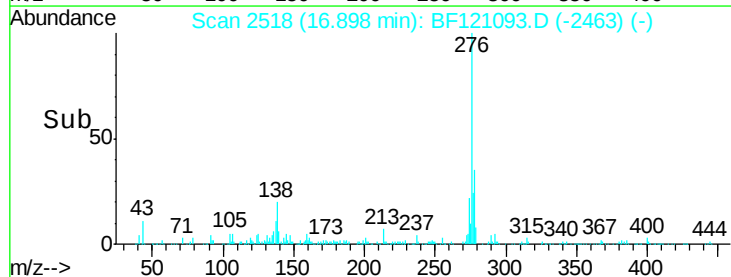
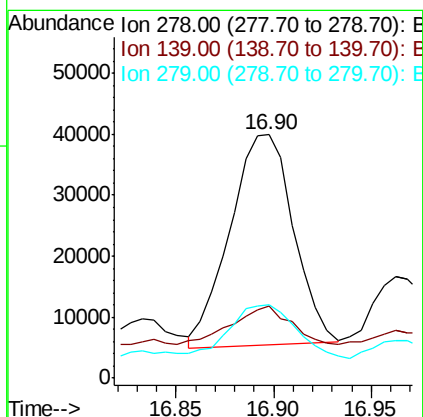
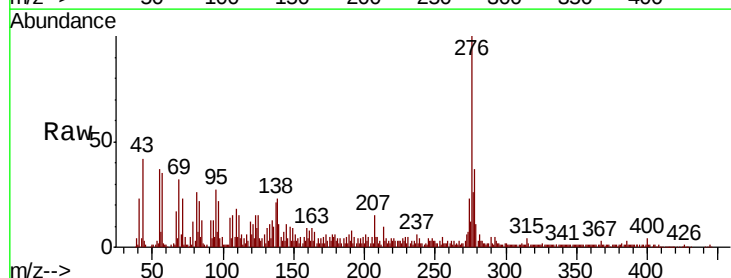
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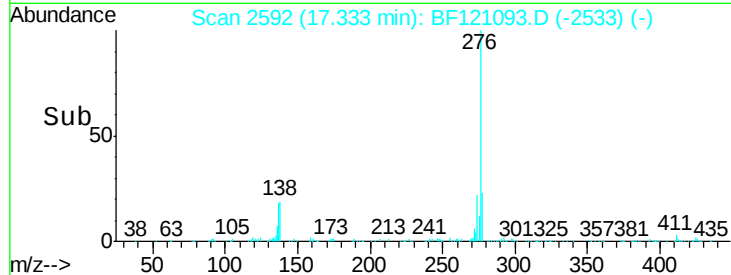
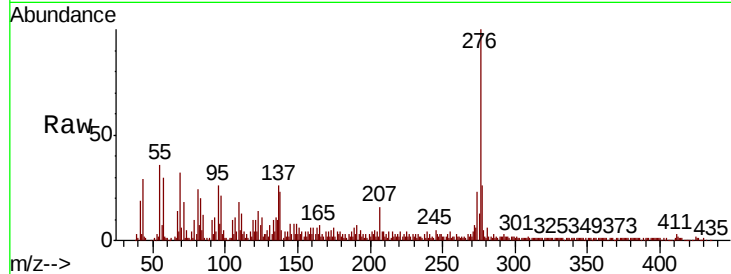
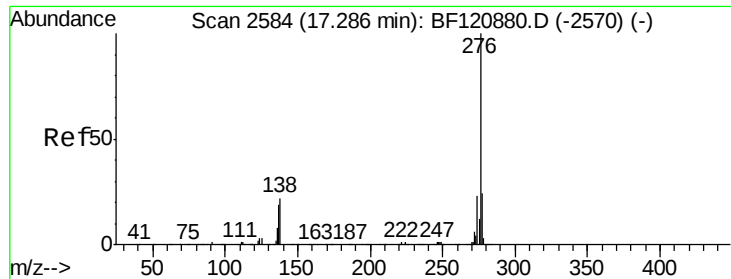
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#91
Dibenzo(a,h)anthracene
Concen: 3.040 ng
RT: 16.90 min Scan# 2518
Delta R.T. 0.02 min
Lab File: BF121093.D
Acq: 29 Jul 2020 3:30

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.5	12.3	18.5
279	29.9	20.1	30.1





#92
 Benzo(a,h,i)perylene
 Concen: 11.441 ng
 RT: 17.33 min Scan# 2592
 Delta R.T. 0.05 min
 Lab File: BF121093.D
 Acq: 29 Jul 2020 3:30

Instrument :
 BNA_F
 ClientSampleId :
 TS2

Tot Ion:	276	Resp:	288385
Ion Ratio	Lower	Upper	
276	100		
277	25.8	18.8	28.2
138	22.5	17.5	26.3

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