

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062220\
 Data File : BF120693.D
 Acq On : 22 Jun 2020 23:34
 Operator : JU/CG
 Sample : L3082-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12

Manual Integrations
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Quant Time: Jun 23 03:51:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	144168	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	557788	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	285145	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	559654	20.00	ng	0.00
76) Chrysene-d12	13.96	240	459568	20.00	ng	0.00
86) Perylene-d12	15.41	264	459484	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	613883	73.00	ng	-0.01
7) Phenol-d6	6.43	99	774402	73.94	ng	0.00
23) Nitrobenzene-d5	7.36	82	506138	50.72	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	261970	79.02	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1029377	55.23	ng	0.00
79) Terphenyl-d14	12.91	244	1266855	60.89	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.55	163	128582	6.261	ng	98
71) Phenanthrene	11.34	178	89352	3.212	ng	97
75) Fluoranthene	12.53	202	656154	20.629	ng	99
78) Pyrene	12.76	202	636856	19.562	ng	99
81) Benzo(a)anthracene	13.95	228	448202	16.233	ng	93
83) Chrysene	13.99	228	387693	13.689	ng	96
87) Indeno(1,2,3-cd)pyrene	16.83	276	261633	9.361	ng	96
88) Benzo(b)fluoranthene	14.99	252	514335m	18.792	ng	
89) Benzo(k)fluoranthene	15.02	252	154772m	6.390	ng	
90) Benzo(a)pyrene	15.34	252	348435	14.224	ng	97
91) Dibenzo(a,h)anthracene	16.84	278	64424m	2.874	ng	
92) Benzo(a,h,i)perylene	17.26	276	219001	9.694	ng	99

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

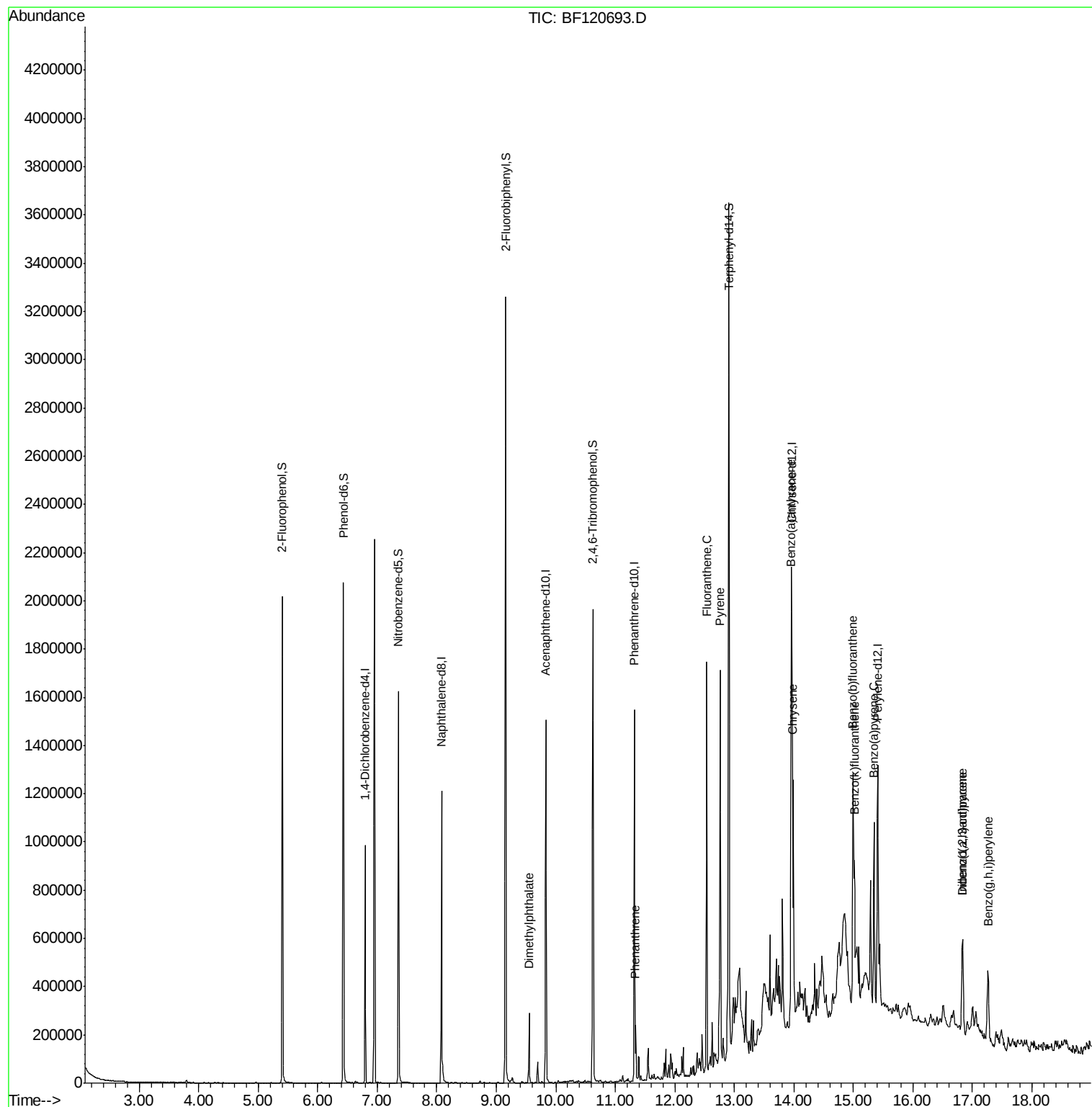
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062220\
Data File : BF120693.D
Acq On : 22 Jun 2020 23:34
Operator : JU/CG
Sample : L3082-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

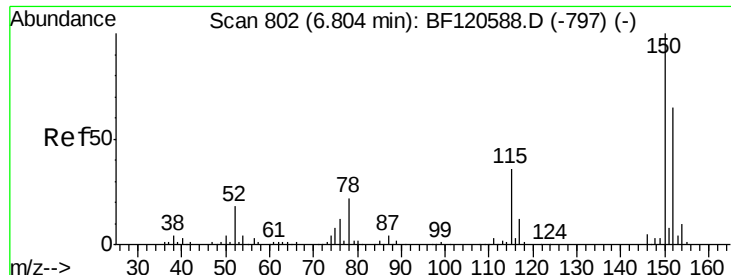
Instrument :
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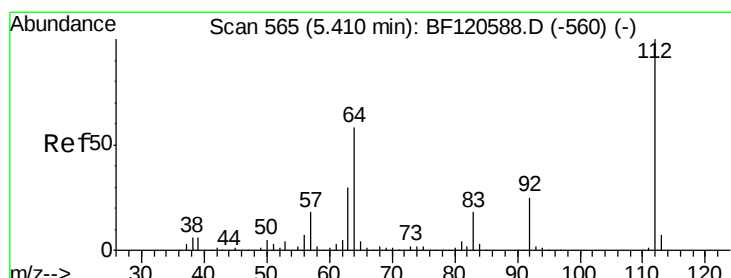
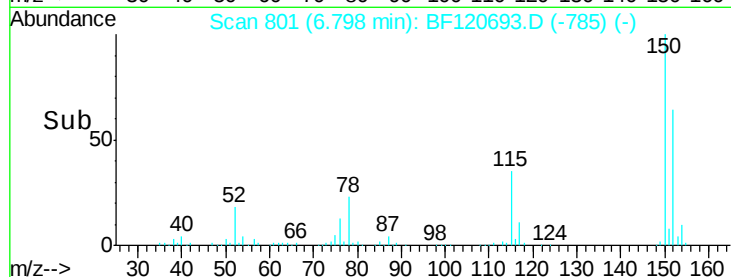
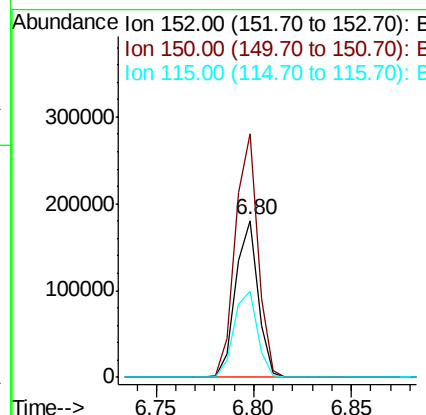
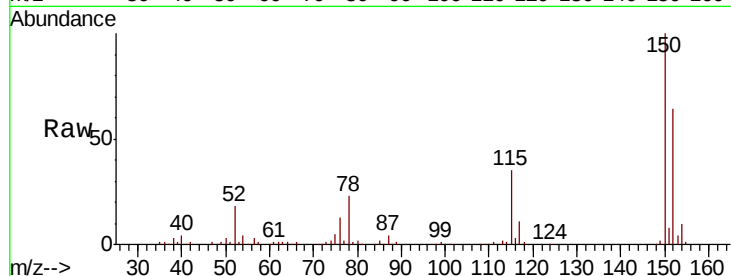
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF120693.D
 Acq: 22 Jun 2020 23:34

Instrument :
 BNA_F
 ClientSampled :
 SB-12

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	123.2	184.8
115	54.9	43.9	65.9

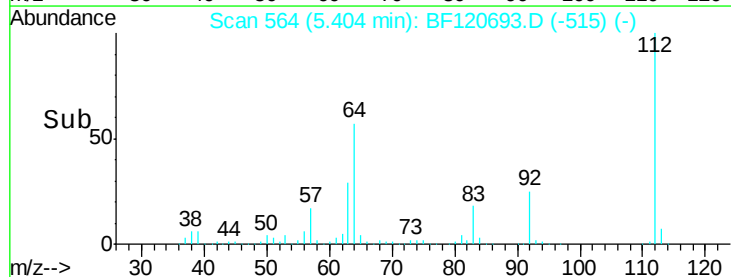
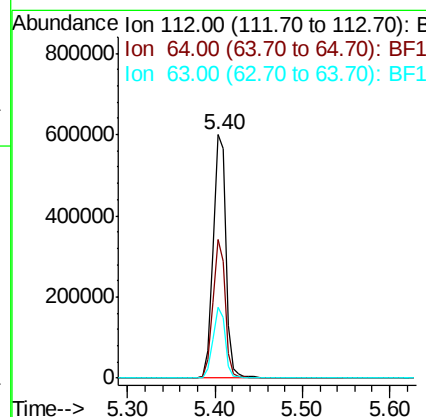
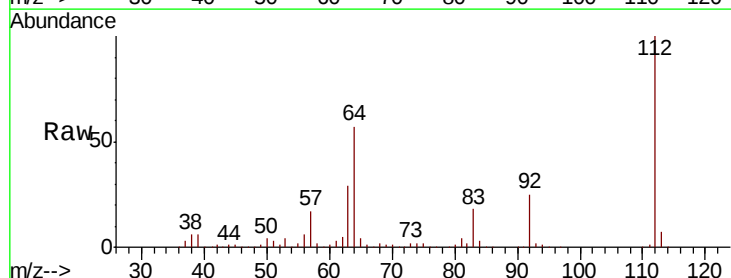
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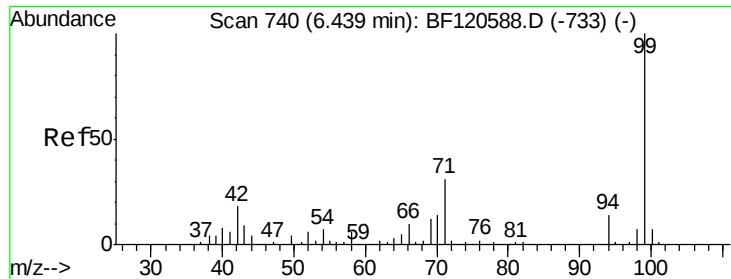
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#5
 2-Fluorophenol
 Concen: 73.003 ng
 RT: 5.40 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: BF120693.D
 Acq: 22 Jun 2020 23:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	46.1	69.1
63	28.9	23.7	35.5





#7

Phenol-d6

Concen: 73.940 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120693.D

Acq: 22 Jun 2020 23:34

Instrument :

BNA_F

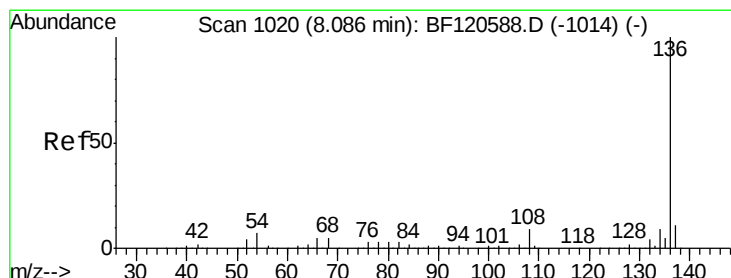
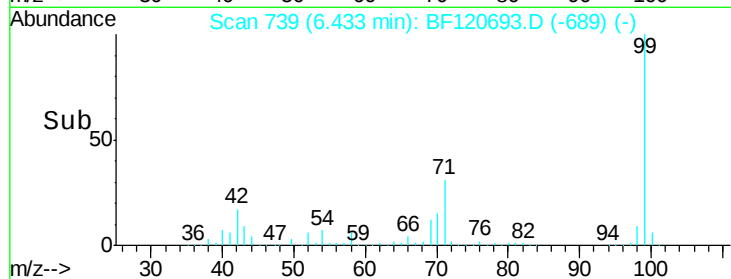
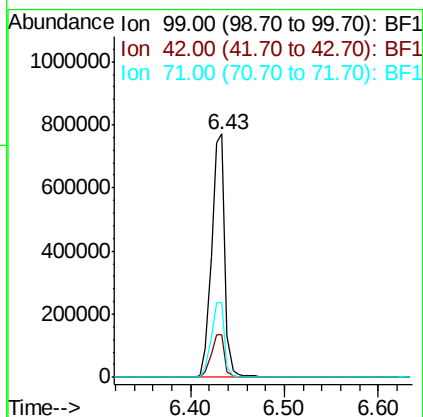
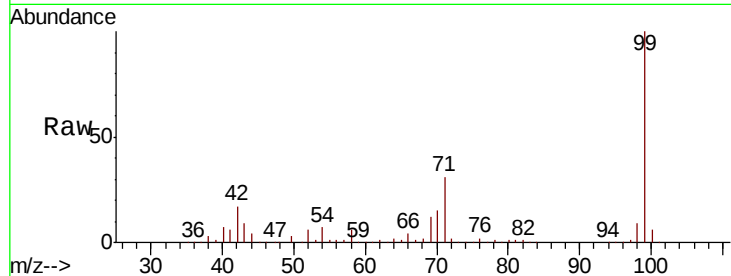
ClientSampled :

SB-12

Tot Ion:	99	Resp:	774402
Ion Ratio	Lower	Upper	
99	100		
42	17.3	14.0	21.0
71	30.9	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.000 ng

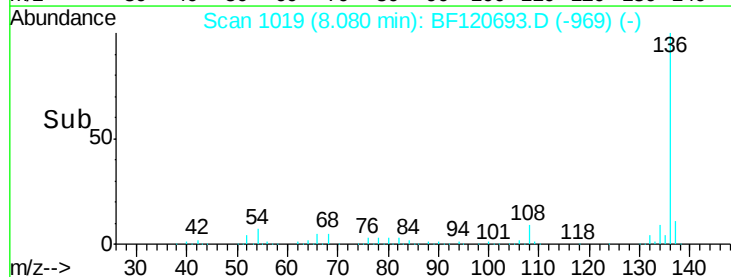
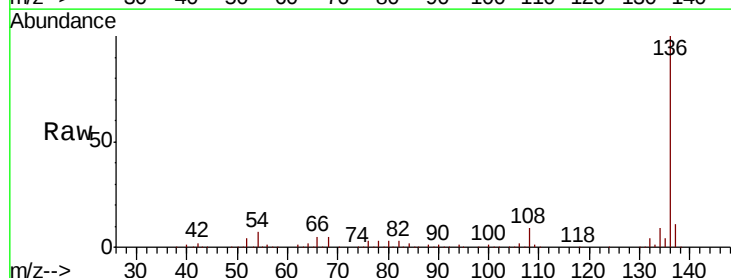
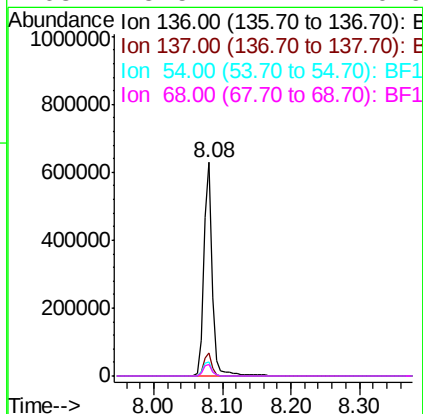
RT: 8.08 min Scan# 1019

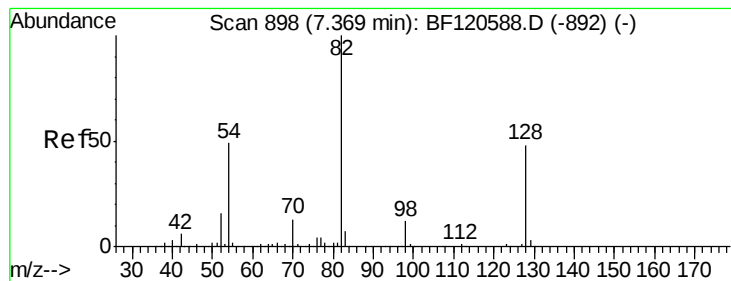
Delta R.T. -0.01 min

Lab File: BF120693.D

Acq: 22 Jun 2020 23:34

Tgt Ion:	136	Resp:	557788
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	6.9	5.8	8.6
68	5.5	4.4	6.6





#23

Nitrobenzene-d5

Concen: 50.721 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF120693.D

Acq: 22 Jun 2020 23:34

Instrument :

BNA_F

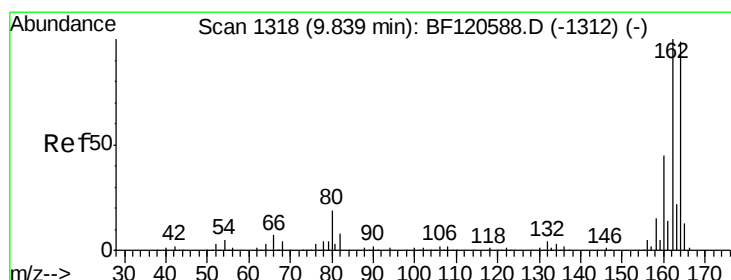
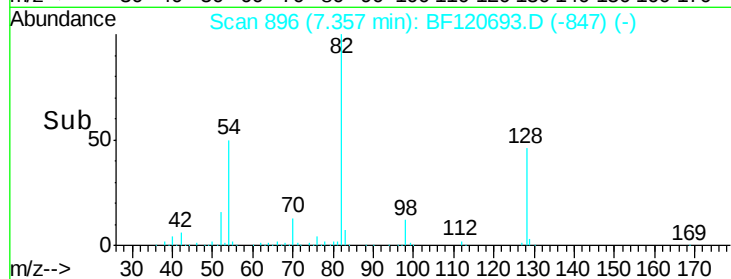
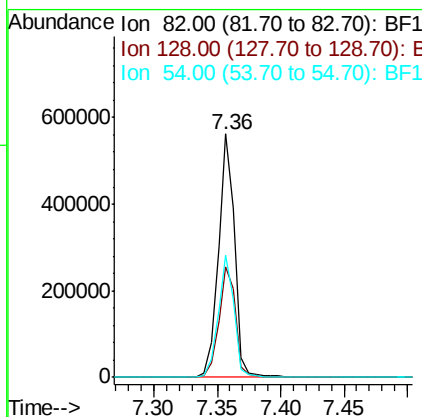
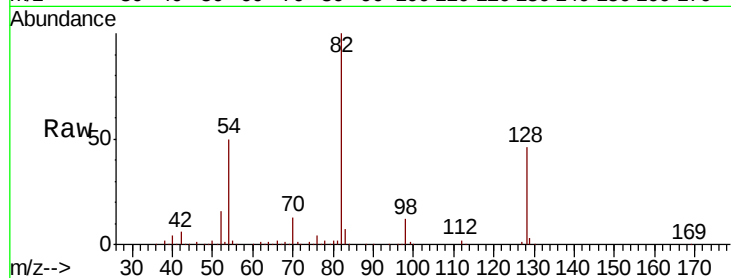
ClientSampled :

SB-12

Tot Ion:	82	Resp:	506138
Ion Ratio		Lower	Upper
82	100		
128	45.5	38.0	57.0
54	50.2	38.8	58.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

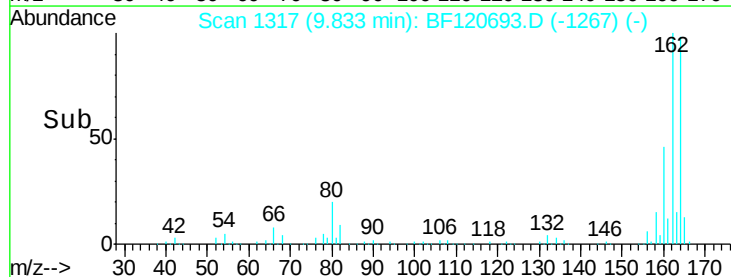
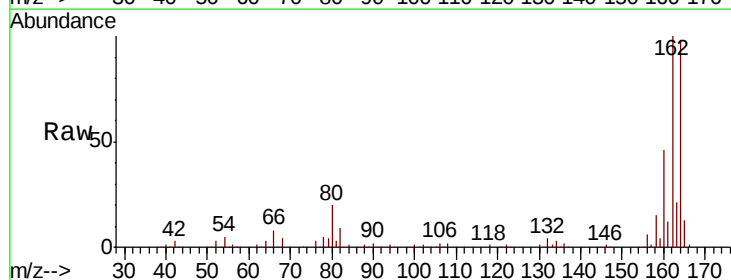
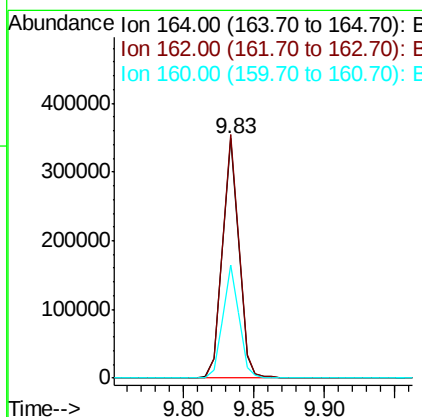
RT: 9.83 min Scan# 1317

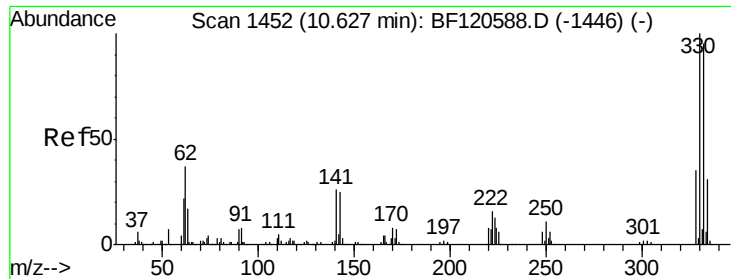
Delta R.T. -0.01 min

Lab File: BF120693.D

Acq: 22 Jun 2020 23:34

Tgt Ion:	164	Resp:	285145
Ion Ratio		Lower	Upper
164	100		
162	101.7	80.6	120.8
160	47.0	36.2	54.2





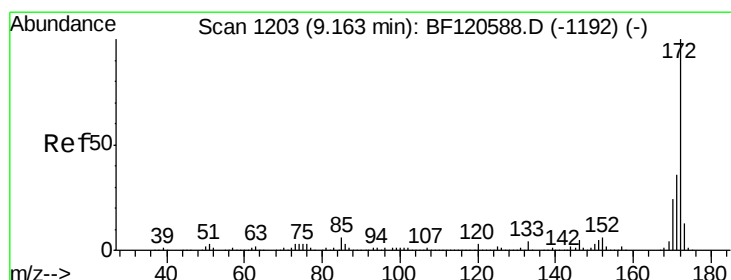
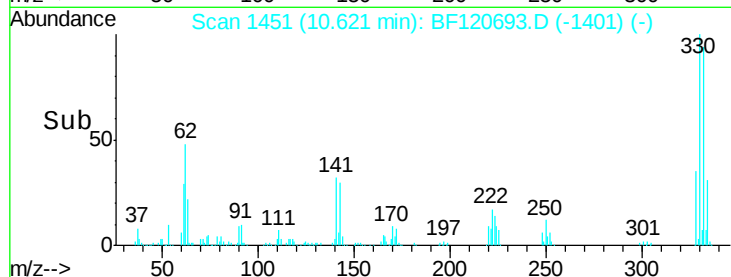
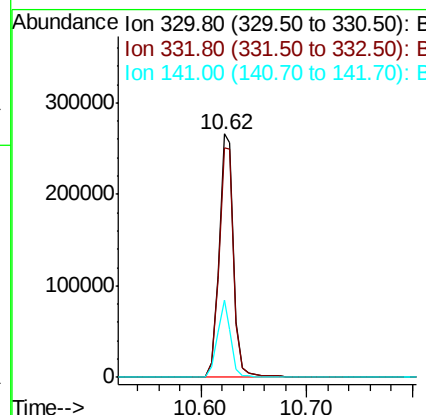
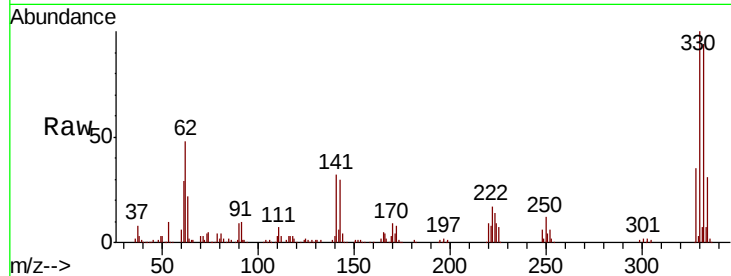
#42
 2,4,6-Tribromophenol
 Concen: 79.021 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF120693.D
 Acq: 22 Jun 2020 23:34

Instrument :
 BNA_F
 ClientSampleId :
 SB-12

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.8	115.2
141	28.9	23.2	34.8

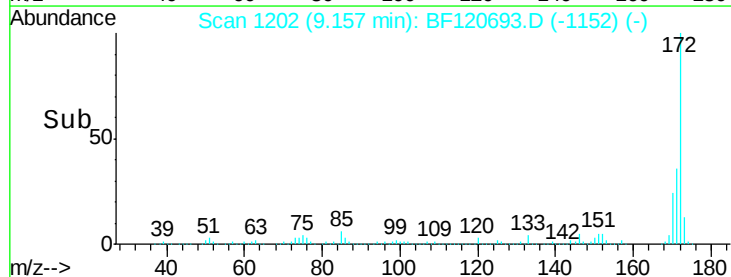
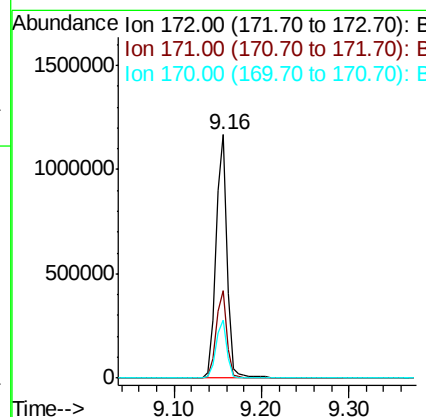
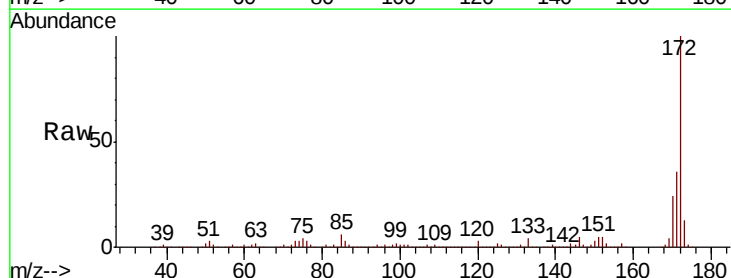
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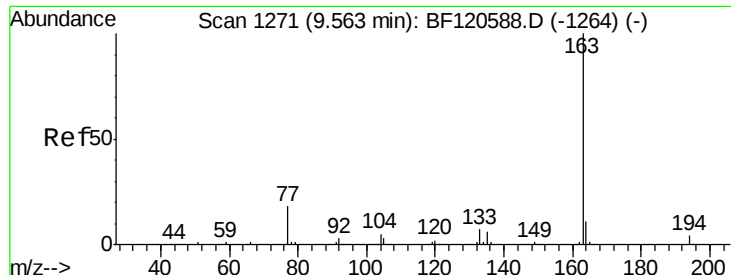
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#45
 2-Fluorobiphenyl
 Concen: 55.233 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF120693.D
 Acq: 22 Jun 2020 23:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.4
170	23.9	19.4	29.2





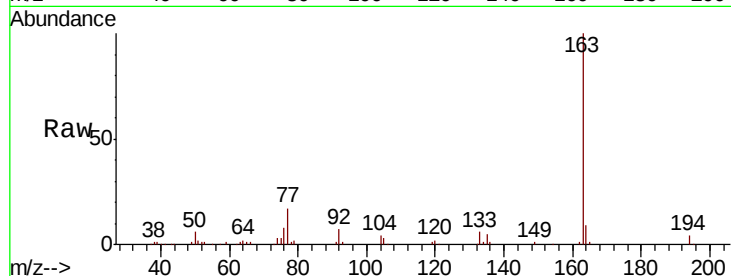
#50
Dimethylphthalate
Concen: 6.261 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

Instrument :
BNA_F
ClientSampled :
SB-12

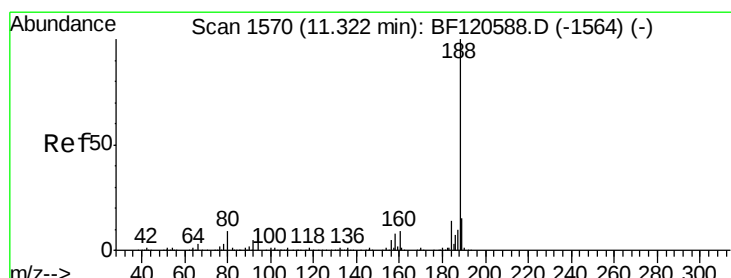
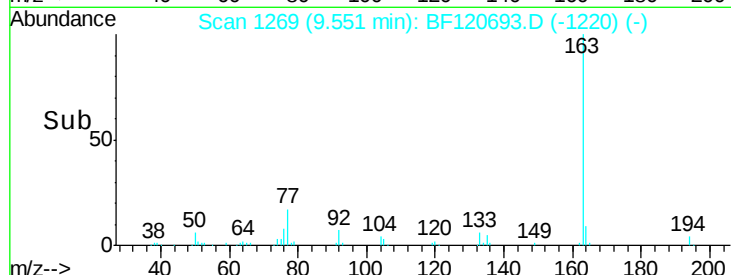
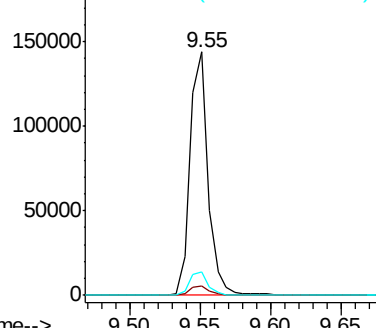
Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.9	3.1	4.7
164	9.4	8.5	12.7

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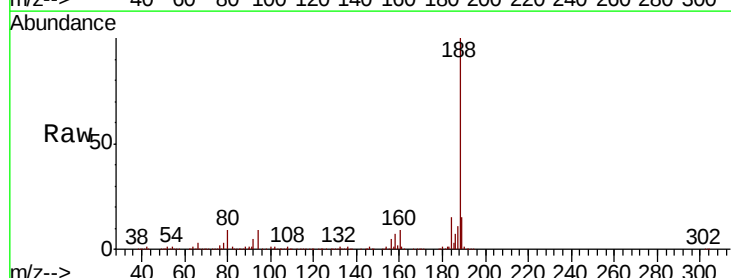


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

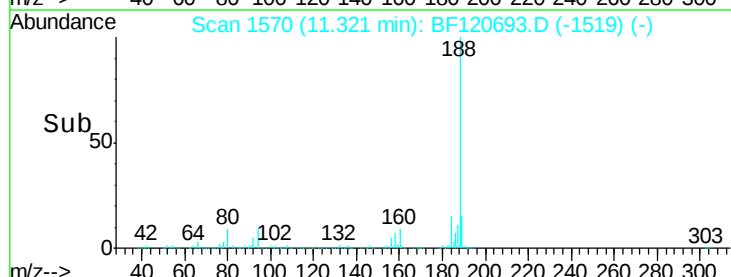
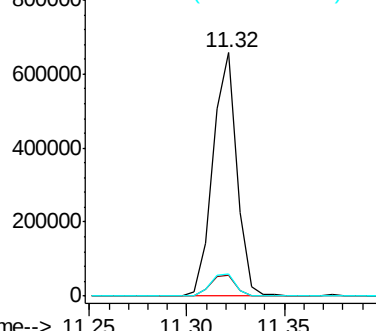


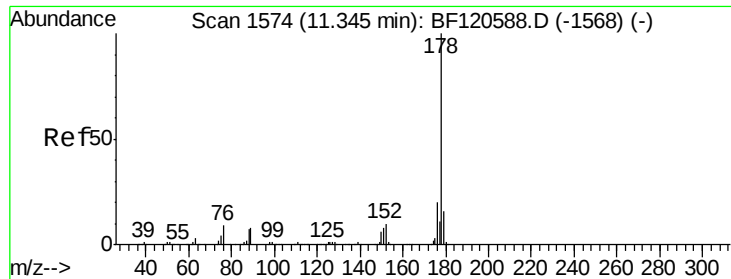
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	8.6	7.2	10.8
80	9.1	7.4	11.2



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





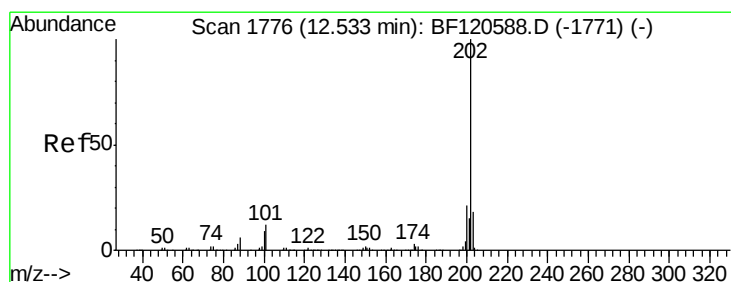
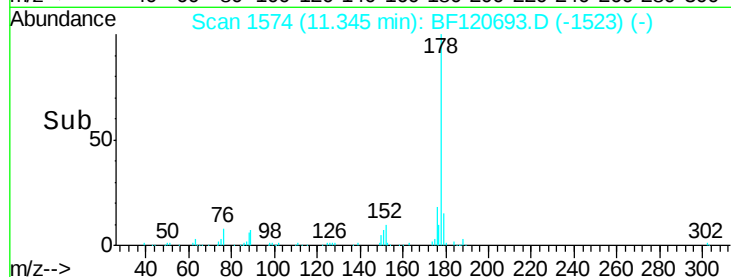
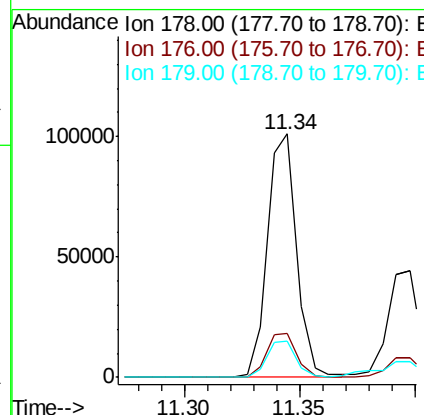
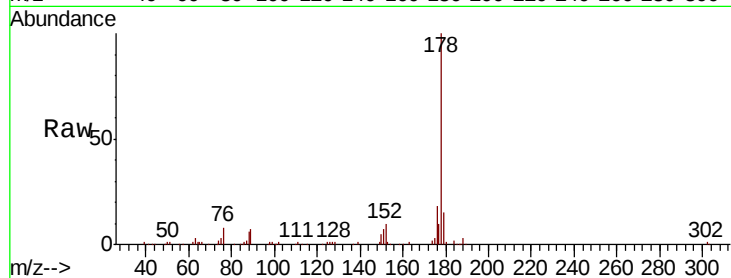
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Phenanthrene
Concen: 3.212 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.00 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

Instrument :
BNA_F
ClientSampled :
SB-12

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.9	23.9
179	15.0	12.8	19.2

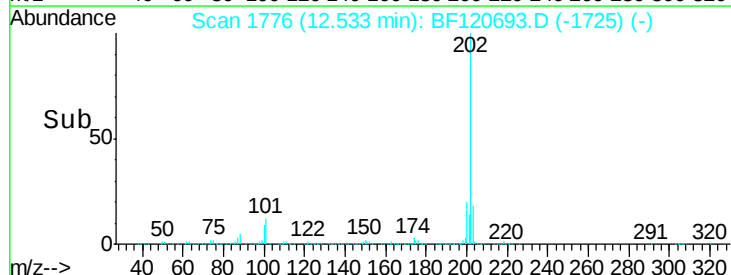
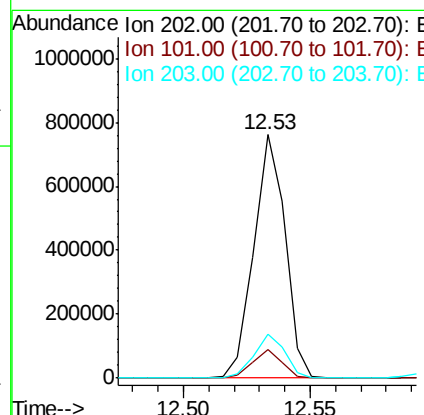
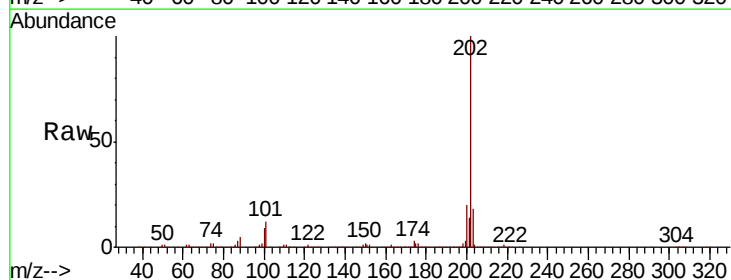
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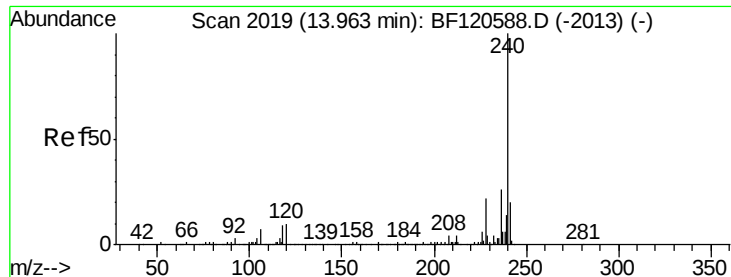
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#75
Fluoranthene
Concen: 20.629 ng
RT: 12.53 min Scan# 1776
Delta R.T. 0.00 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	32.0
203	17.9	0.0	38.3





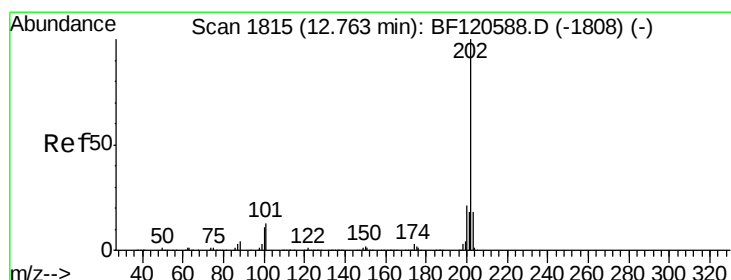
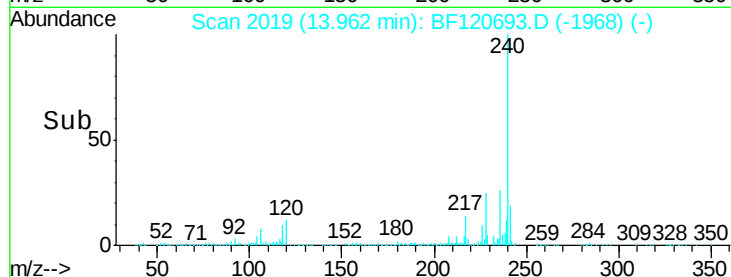
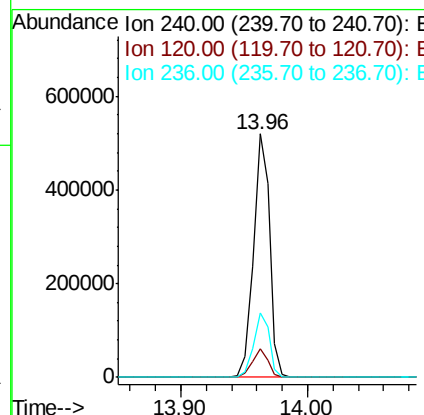
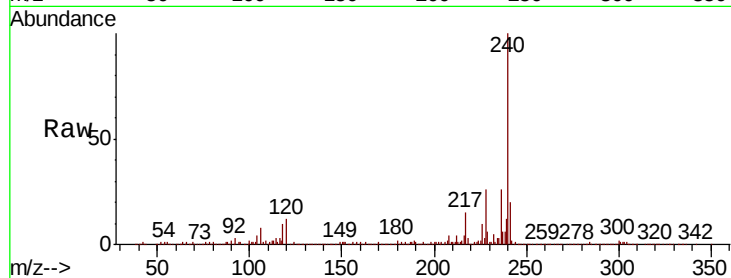
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

Instrument :
BNA_F
ClientSampleId :
SB-12

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.0	8.3	12.5
236	26.4	21.0	31.4

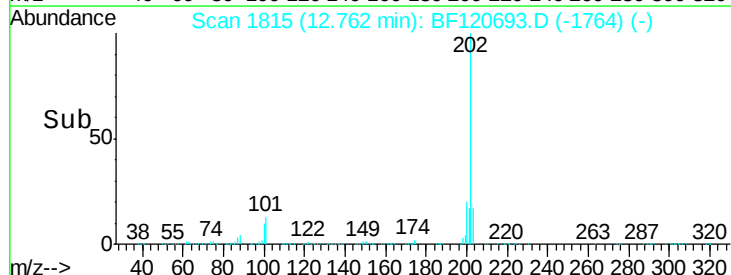
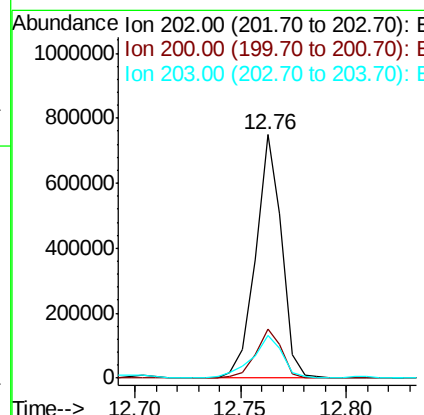
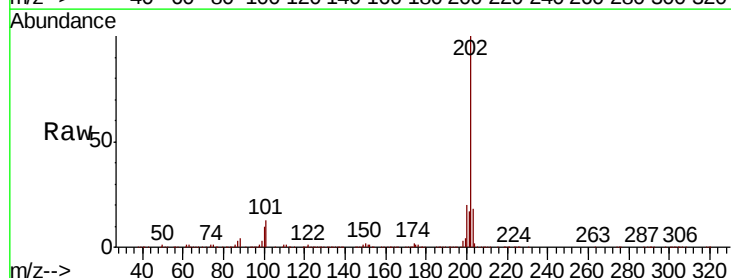
Manual Integrations
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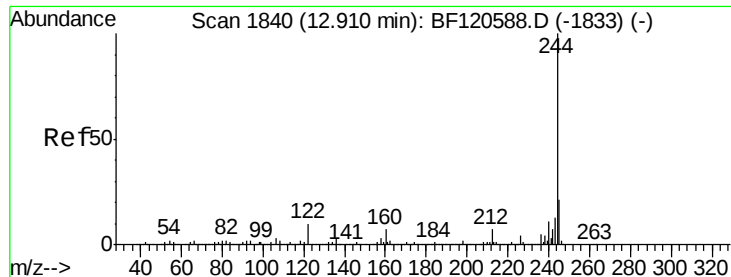
Sohil
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#78
Pyrene
Concen: 19.562 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.8	25.2
203	17.5	14.3	21.5





#79

Terphenyl-d14

Concen: 60.890 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.00 min

Lab File: BF120693.D

Acq: 22 Jun 2020 23:34

Instrument :

BNA_F

ClientSampled :

SB-12

Tot Ion:244 Resp: 1266855

Ion Ratio Lower Upper

244 100

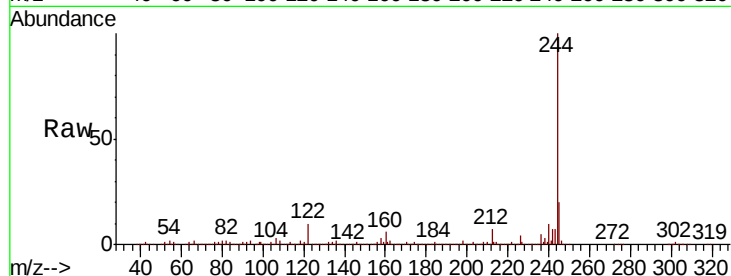
212 6.6 5.7 8.5

122 10.3 8.3 12.5

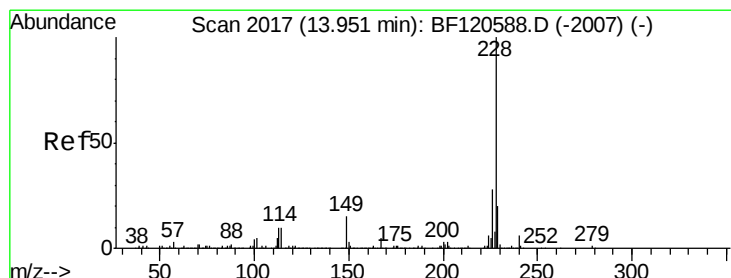
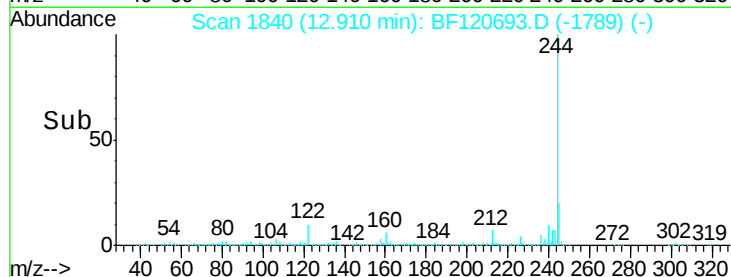
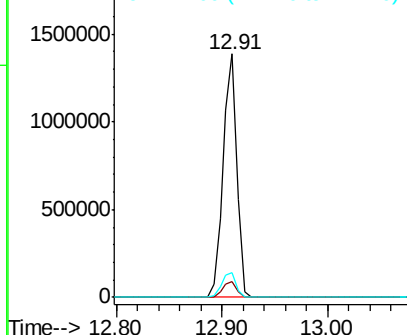
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 16.233 ng

RT: 13.95 min Scan# 1717

Delta R.T. 0.00 min

Lab File: BF120693.D

Acq: 22 Jun 2020 23:34

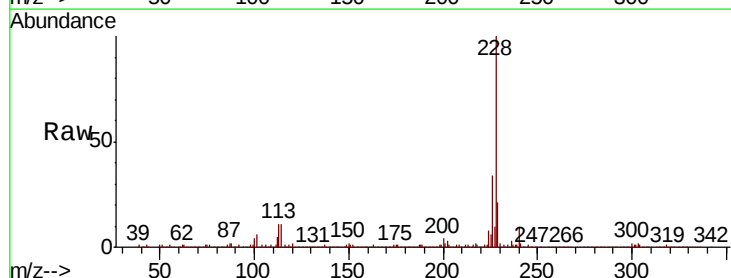
Tgt Ion:228 Resp: 448202

Ion Ratio Lower Upper

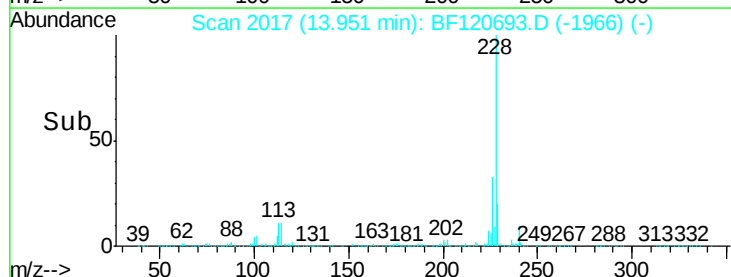
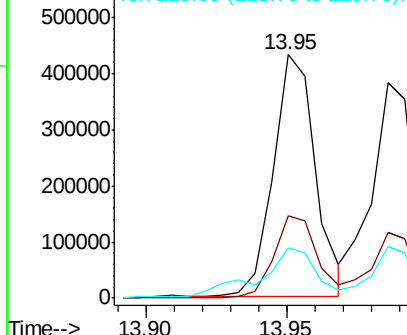
228 100

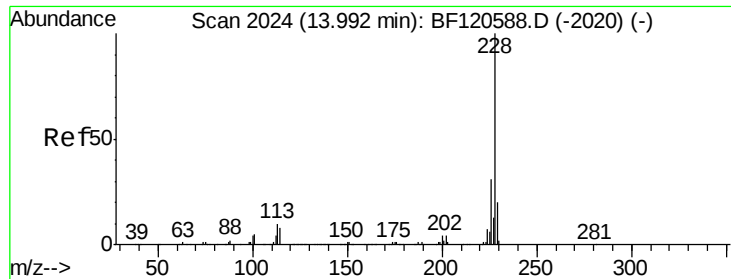
226 33.6 22.5 33.7

229 20.7 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





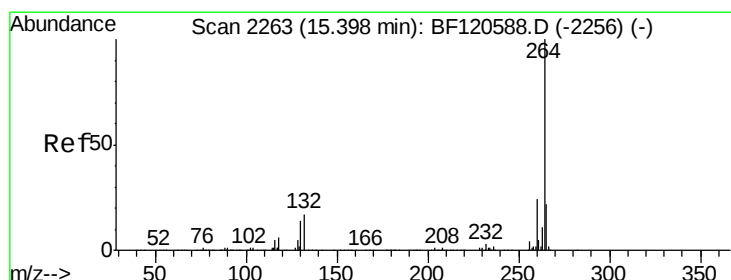
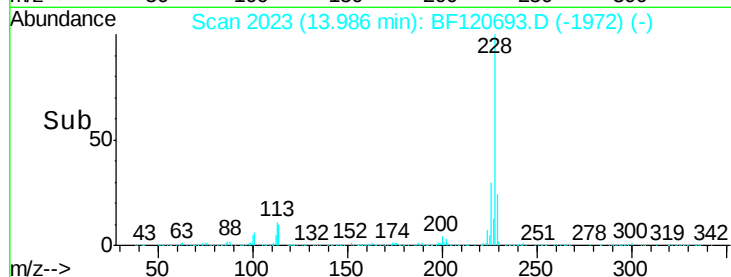
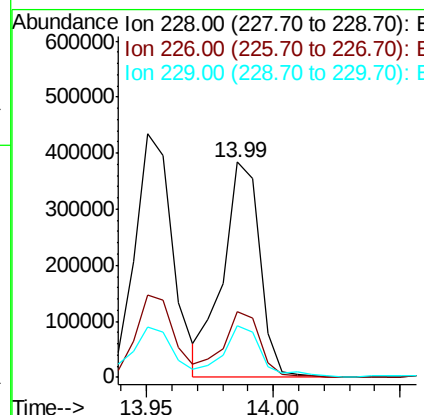
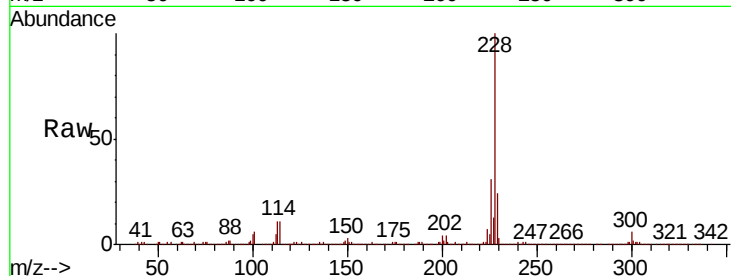
#83
Chrysene
Concen: 13.689 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

Instrument :
BNA_F
ClientSampled :
SB-12

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	23.7	16.1	24.1

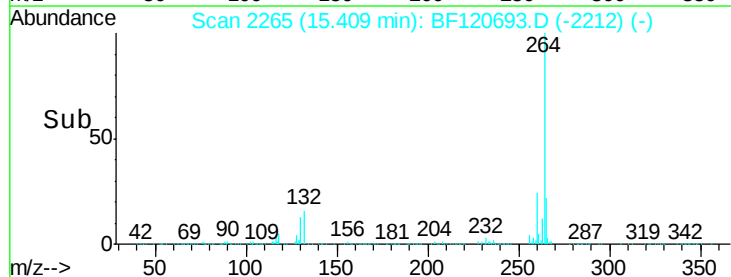
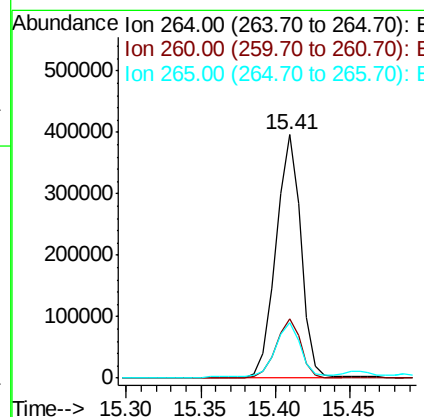
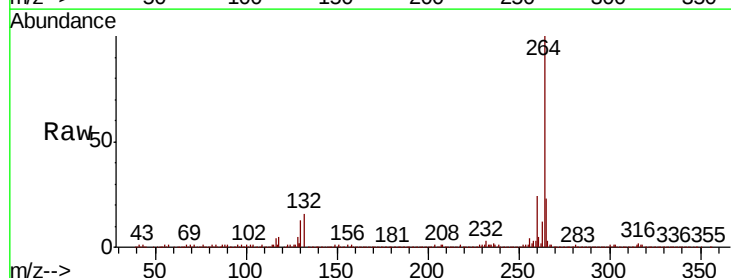
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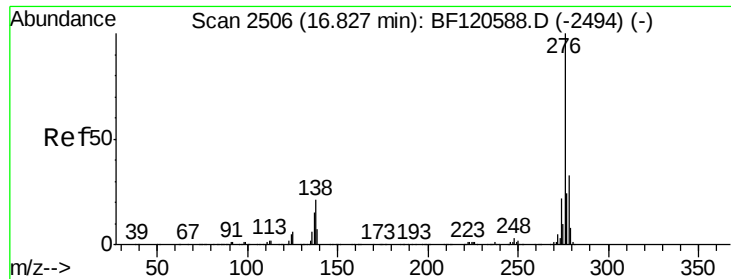
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.3	28.9
265	22.5	17.8	26.8





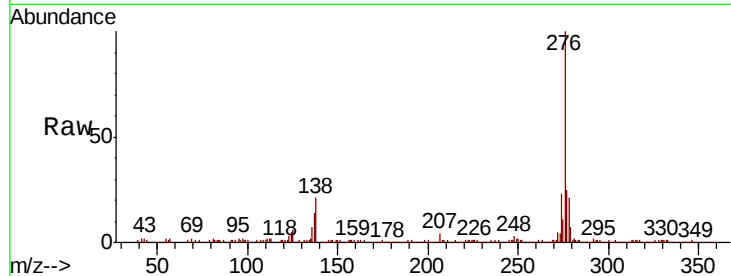
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.361 ng
 RT: 16.83 min Scan# 2507
 Delta R.T. 0.01 min
 Lab File: BF120693.D
 Acq: 22 Jun 2020 23:34

Instrument :
 BNA_F
 ClientSampleId :
 SB-12

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.0	18.9	28.3
277	23.9	20.2	30.2

Manual Integrations
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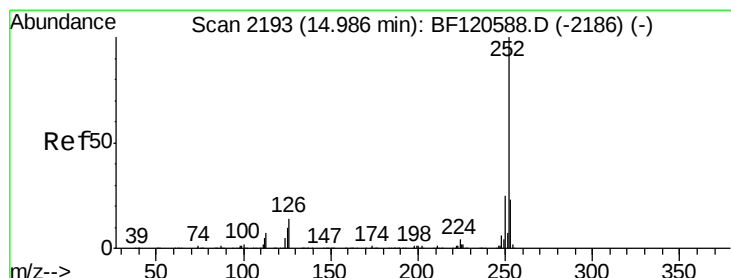
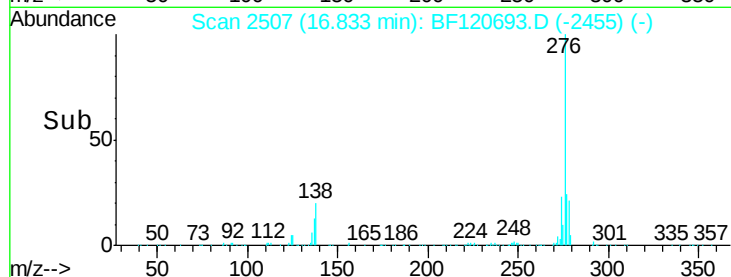
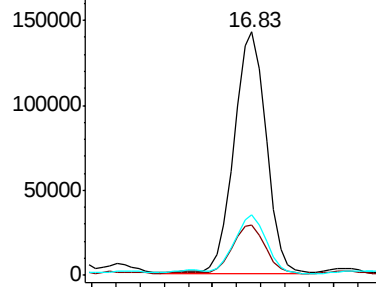


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88
 Benzo(b)fluoranthene
 Concen: 18.792 ng m
 RT: 14.99 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: BF120693.D
 Acq: 22 Jun 2020 23:34

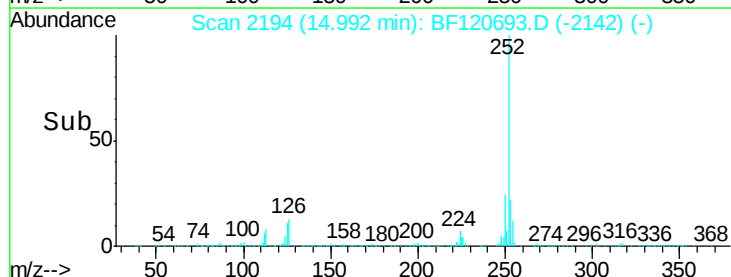
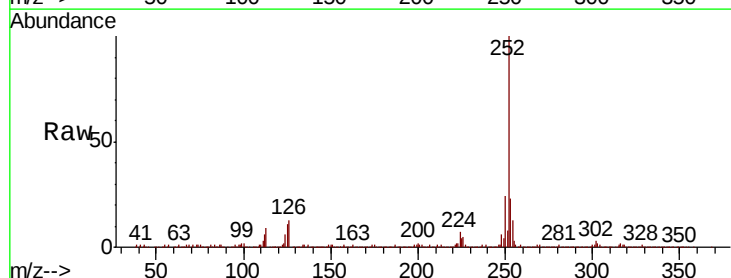
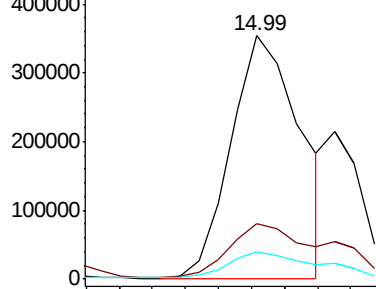
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	11.0	8.3	12.5

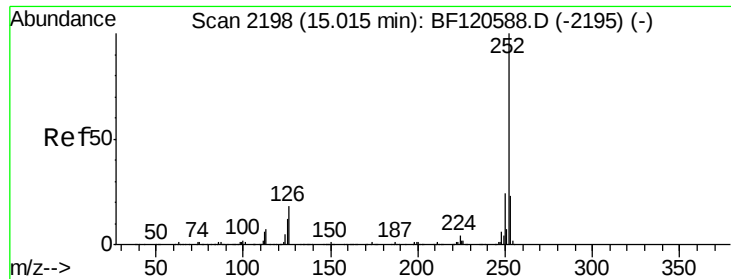
Abundance

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





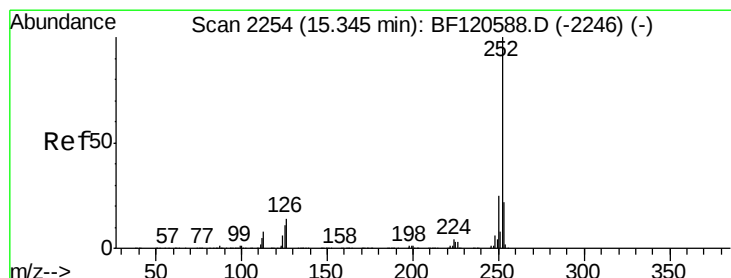
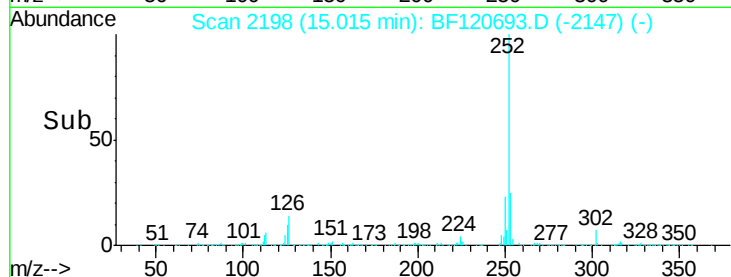
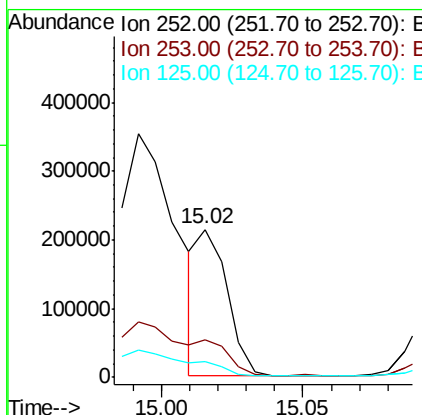
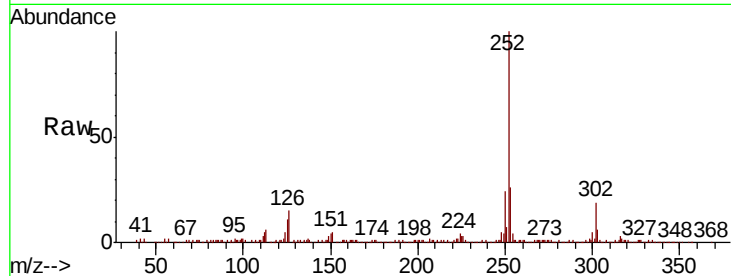
#89
Benzo(k)fluoranthene
Concen: 6.390 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.00 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

Instrument :
BNA_F
ClientSampled :
SB-12

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.0	27.0
125	11.0	8.3	12.5

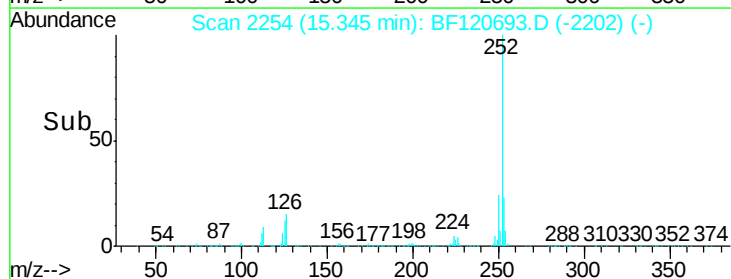
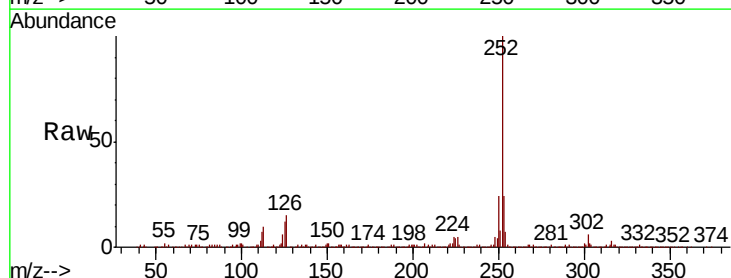
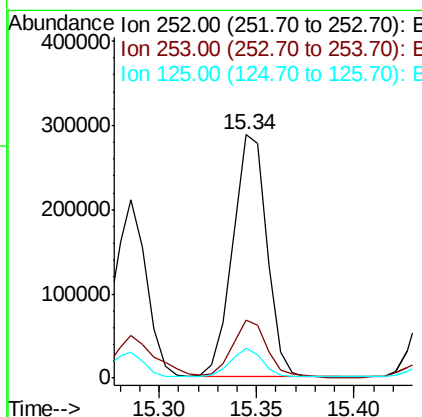
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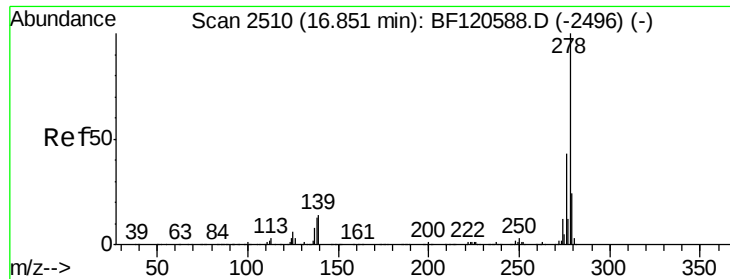
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#90
Benzo(a)pyrene
Concen: 14.224 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	12.3	8.6	12.8





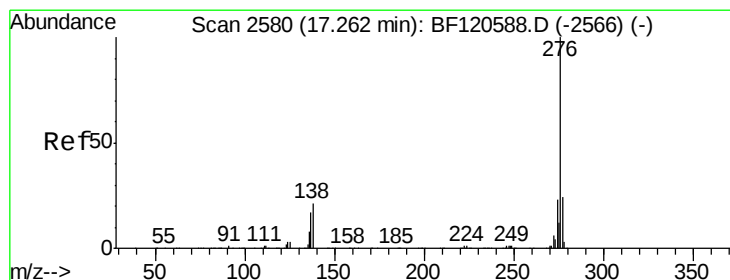
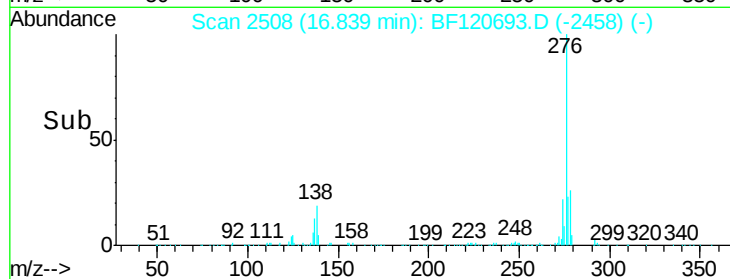
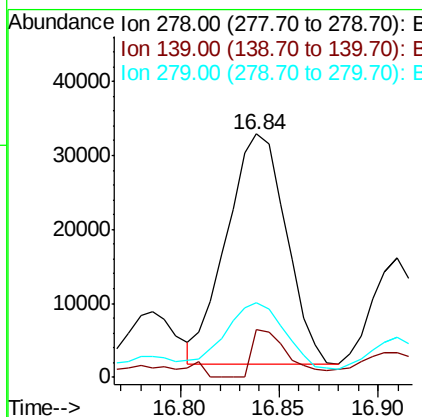
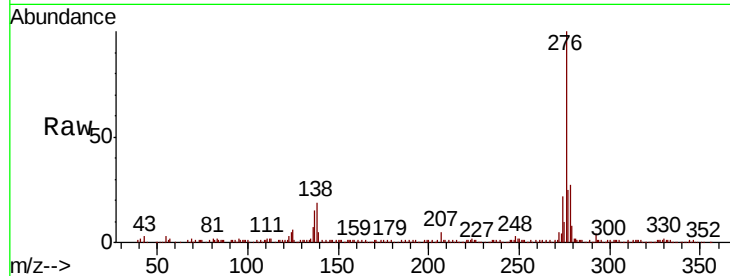
#91
Dibenzo(a,h)anthracene
Concen: 2.874 ng m
RT: 16.84 min Scan# 2508
Delta R.T. -0.01 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

Instrument :
BNA_F
ClientSampled :
SB-12

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.6	11.4	17.2#
279	30.4	19.1	28.7#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 9.694 ng
RT: 17.26 min Scan# 2580
Delta R.T. 0.01 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.6	29.4
138	20.6	16.5	24.7

