

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
 Data File : BF121139.D
 Acq On : 30 Jul 2020 20:50
 Operator : JU/CG
 Sample : L3436-08 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8

Manual Integrations
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 7/31/2020 12:11:59 PM

Quant Time: Jul 31 02:25:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	137337	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	521932	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	260808	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	453284	20.00	ng	0.00
76) Chrysene-d12	13.97	240	342921	20.00	ng	0.00
86) Perylene-d12	15.43	264	342412	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	143333	17.11	ng	-0.01
7) Phenol-d6	6.43	99	179650	16.60	ng	-0.02
23) Nitrobenzene-d5	7.36	82	102611	11.38	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	41822	14.65	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	219563	12.57	ng	0.00
79) Terphenyl-d14	12.91	244	199400	12.64	ng	0.00
Target Compounds						
58) Fluorene	10.39	166	42982	2.488	ng	99
71) Phenanthrene	11.35	178	327818	14.062	ng	99
72) Anthracene	11.40	178	118252	5.052	ng	98
75) Fluoranthene	12.54	202	515050	19.932	ng	98
78) Pyrene	12.77	202	517312	21.337	ng	99
81) Benzo(a)anthracene	13.96	228	250755	12.076	ng	97
83) Chrysene	13.99	228	218155	9.997	ng	96
87) Indeno(1,2,3-cd)pyrene	16.86	276	94024	3.948	ng	97
88) Benzo(b)fluoranthene	15.00	252	260131m	12.568	ng	
89) Benzo(k)fluoranthene	15.03	252	79939m	4.235	ng	
90) Benzo(a)pyrene	15.36	252	190920	10.110	ng	# 95
92) Benzo(a,h,i)perylene	17.30	276	87943	4.585	ng	95

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

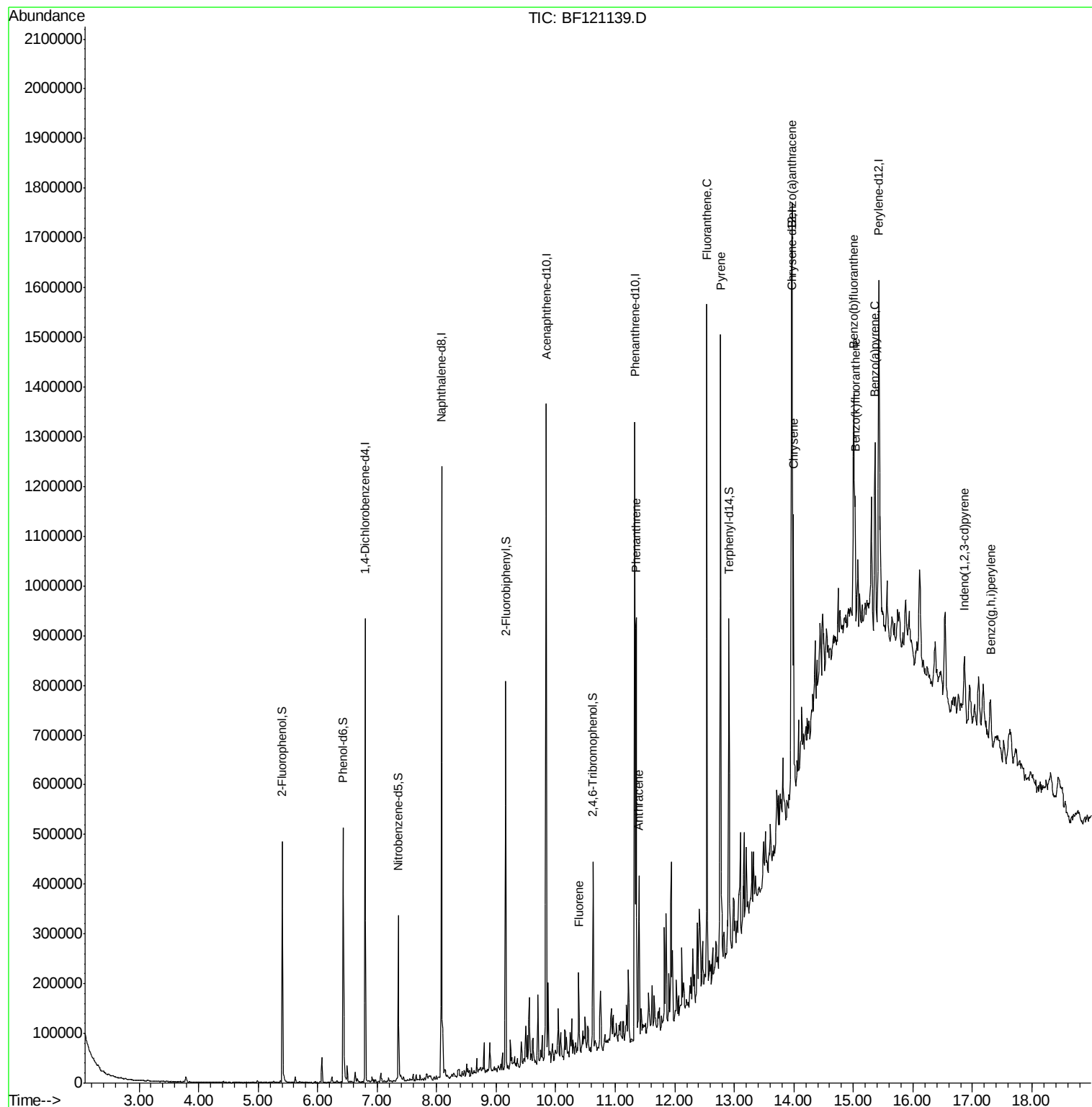
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121139.D
Acq On : 30 Jul 2020 20:50
Operator : JU/CG
Sample : L3436-08 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
8

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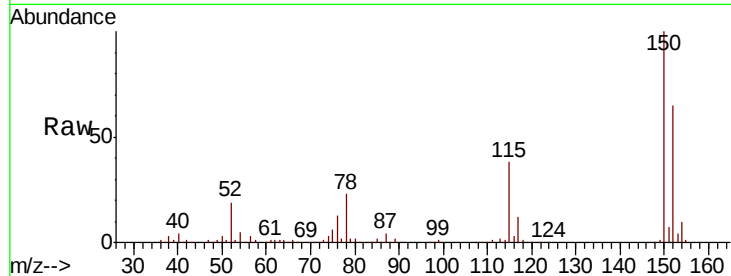
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF121139.D
 Acq: 30 Jul 2020 20:50

Instrument :
 BNA_F
 ClientSampleId :
 8

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	125.6	188.4
115	57.6	46.2	69.2

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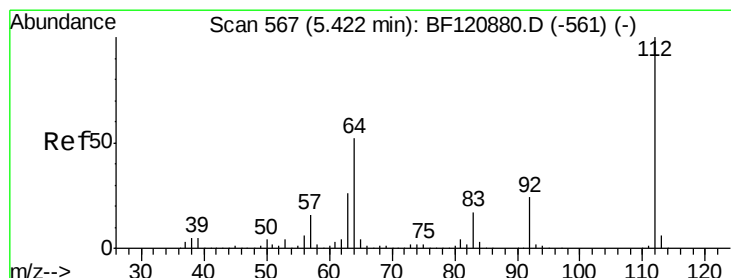
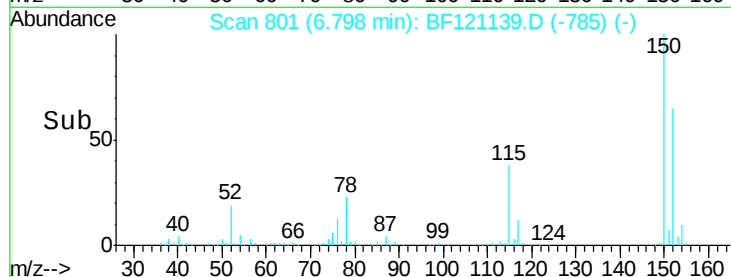
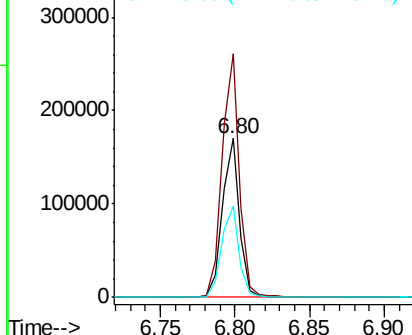


Abundance

Ion 152.00 (151.70 to 152.70): E

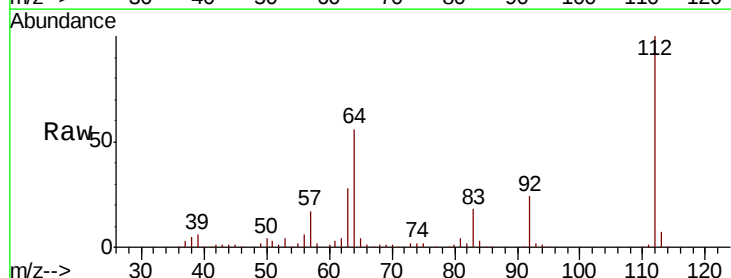
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 17.109 ng
 RT: 5.40 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: BF121139.D
 Acq: 30 Jul 2020 20:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	43.9	65.9
63	27.7	22.7	34.1

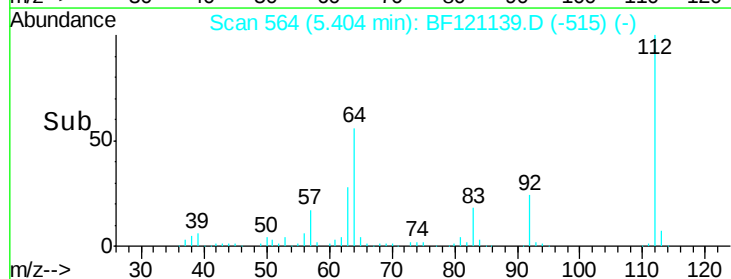
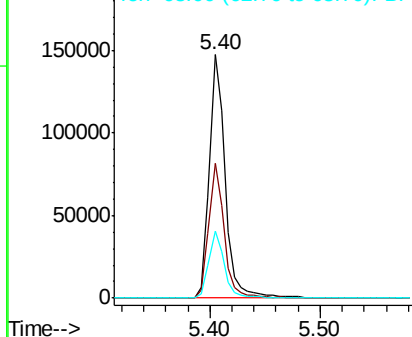


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 16.601 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF121139.D

Acq: 30 Jul 2020 20:50

Instrument :

BNA_F

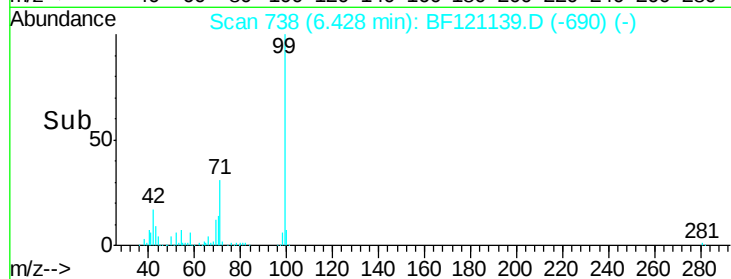
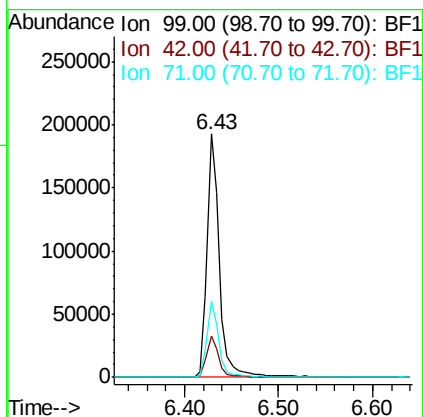
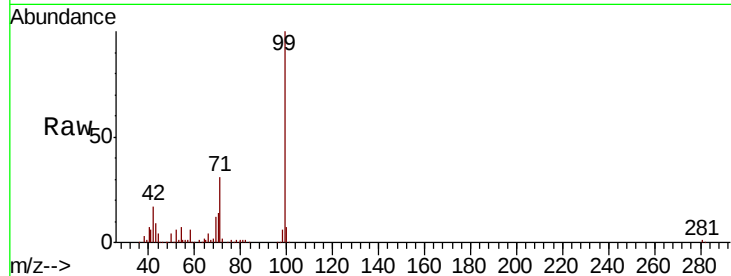
ClientSampled :

8

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		179650		
42	17.1	13.5	20.3		
71	31.2	25.0	37.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

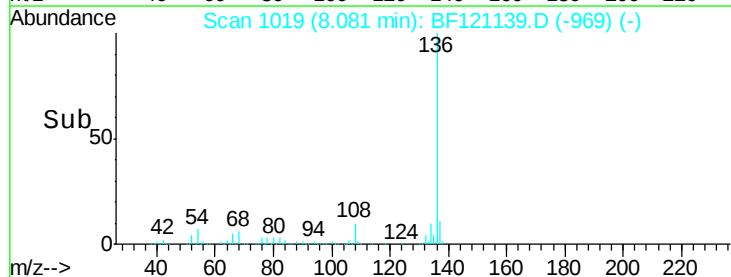
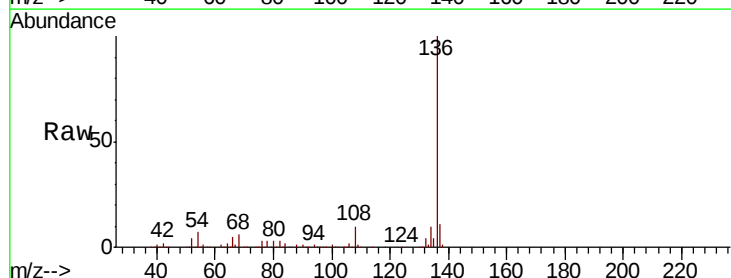
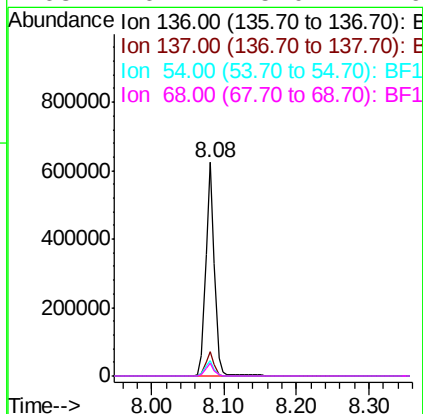
RT: 8.08 min Scan# 1019

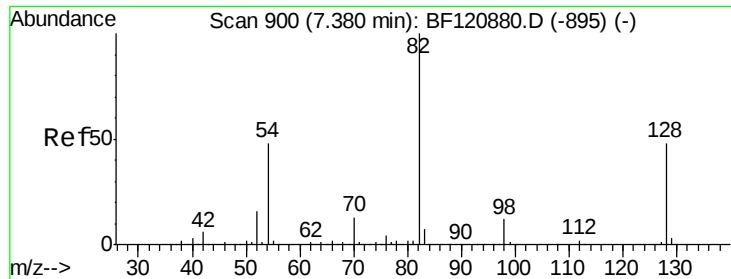
Delta R.T. -0.01 min

Lab File: BF121139.D

Acq: 30 Jul 2020 20:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		521932		
137	11.3	9.0	13.4		
54	7.2	6.1	9.1		
68	6.1	5.0	7.6		





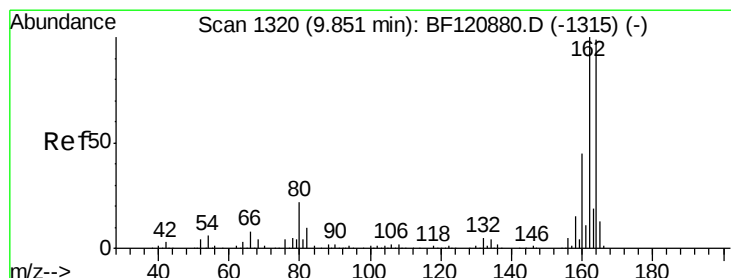
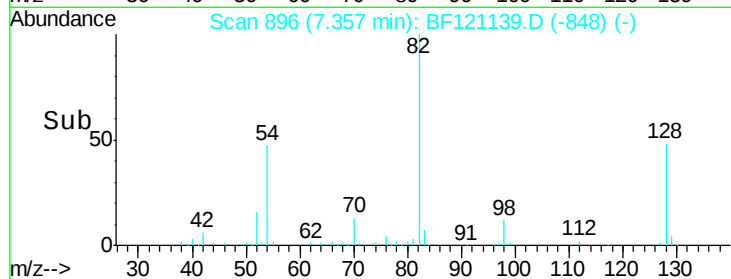
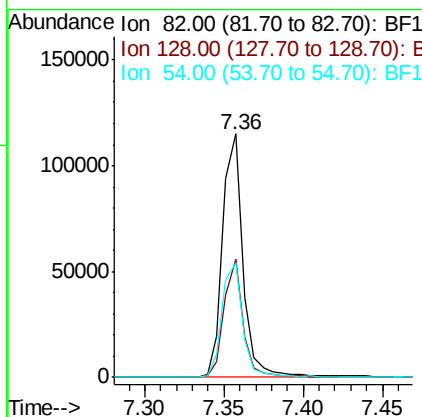
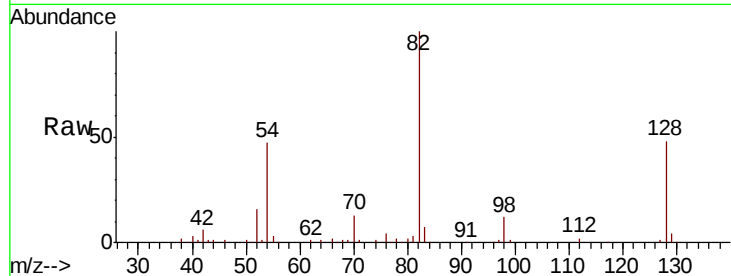
#23
Nitrobenzene-d5
Concen: 11.376 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.02 min
Lab File: BF121139.D
Acq: 30 Jul 2020 20:50

Instrument :
BNA_F
ClientSampled :
8

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.3	39.2	58.8
54	47.1	37.8	56.8

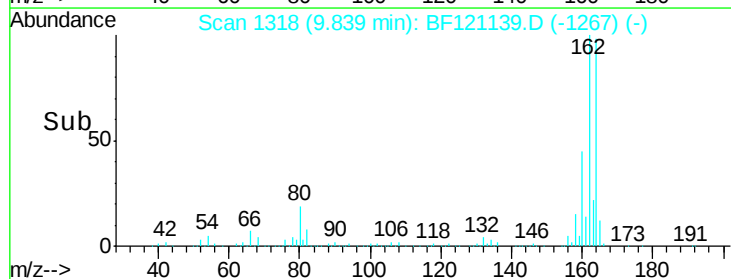
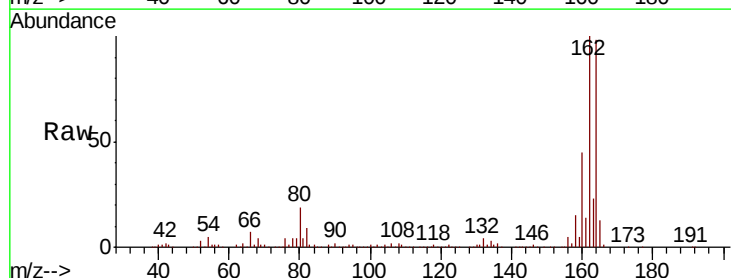
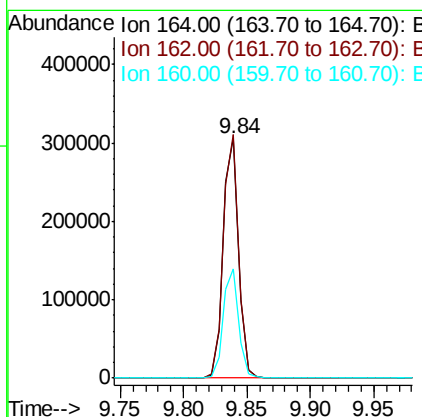
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF121139.D
Acq: 30 Jul 2020 20:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.2	123.2
160	45.8	37.2	55.8





#42

2,4,6-Tribromophenol

Concen: 14.650 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF121139.D

Acq: 30 Jul 2020 20:50

Instrument :

BNA_F

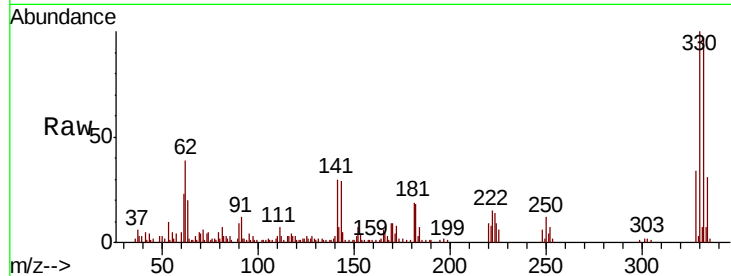
ClientSampled :

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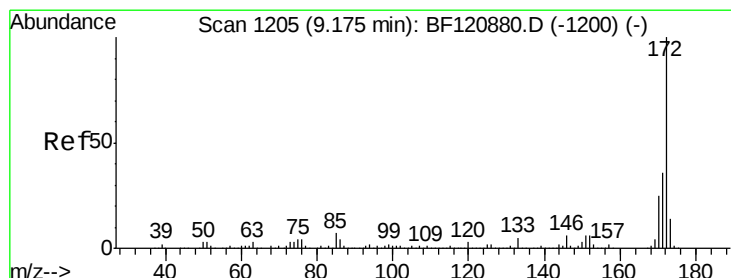
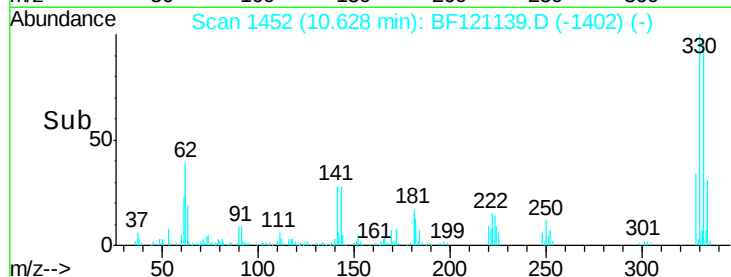
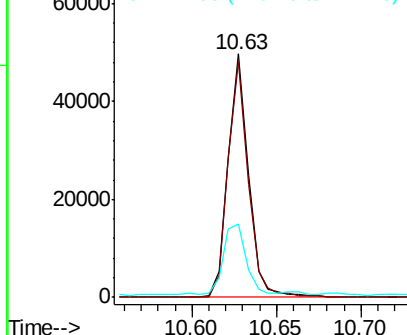
Tot Ion:	330	Resp:	41822
Ion Ratio	Lower	Upper	
330	100		
332	96.5	76.1	114.1
141	31.9	24.1	36.1

Manual Integrations
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 12.569 ng

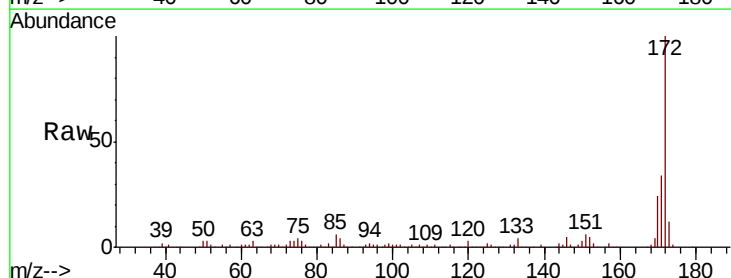
RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

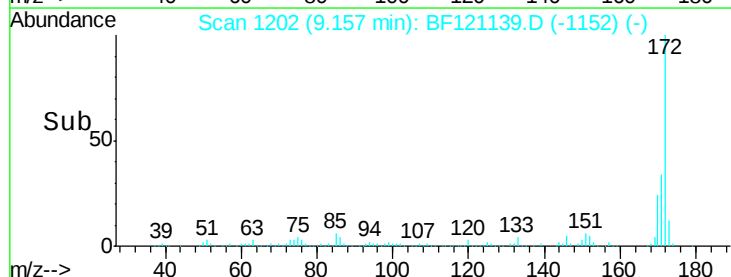
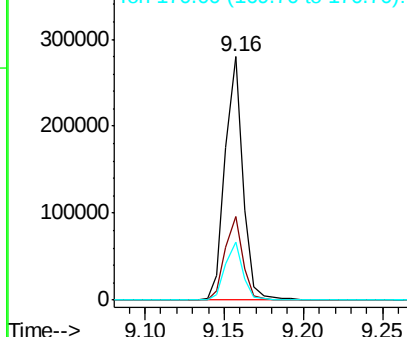
Lab File: BF121139.D

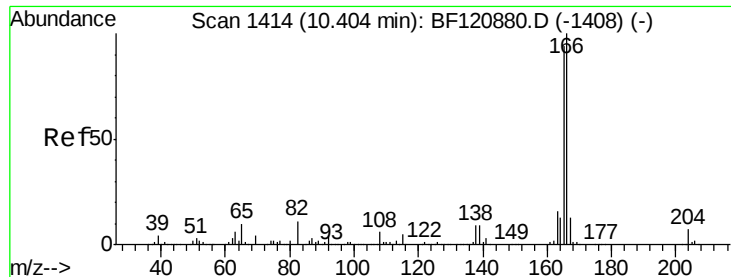
Acq: 30 Jul 2020 20:50

Tgt Ion:	172	Resp:	219563
Ion Ratio	Lower	Upper	
172	100		
171	34.5	29.0	43.4
170	23.7	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





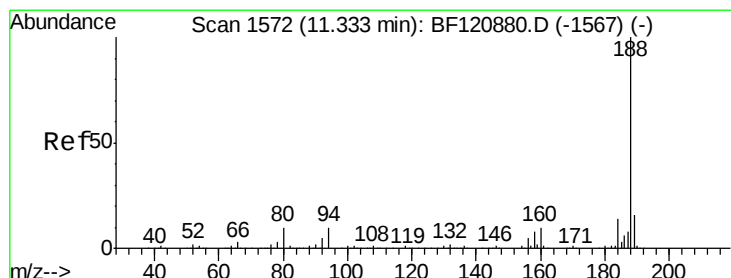
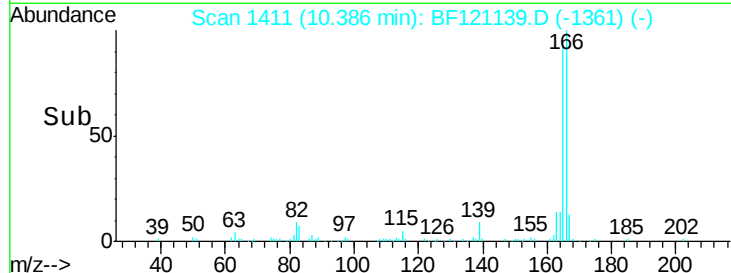
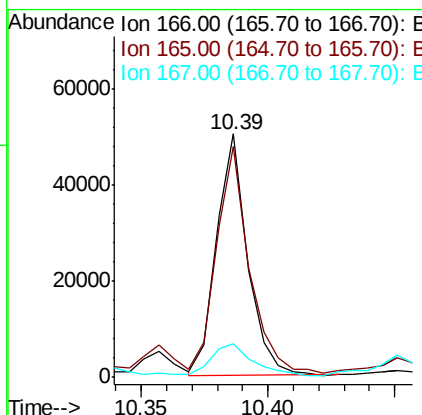
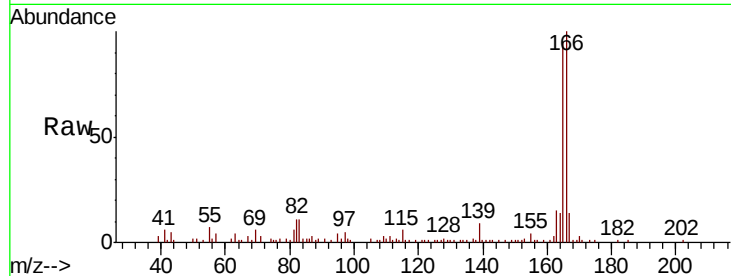
#58
 Fluorene
 Concen: 2.488 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: BF121139.D
 Acq: 30 Jul 2020 20:50

Instrument :
 BNA_F
 ClientSampled :
 8

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.6	76.4	114.6
167	13.7	10.7	16.1

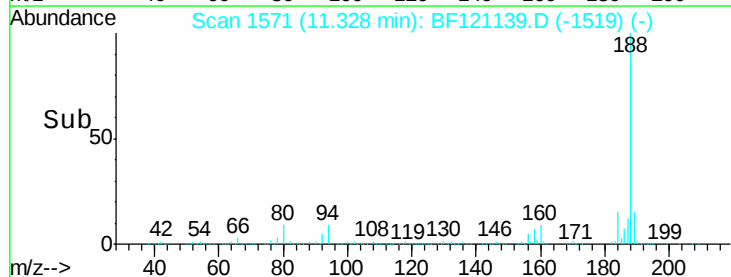
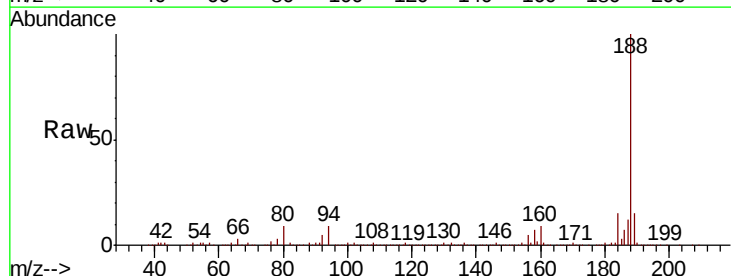
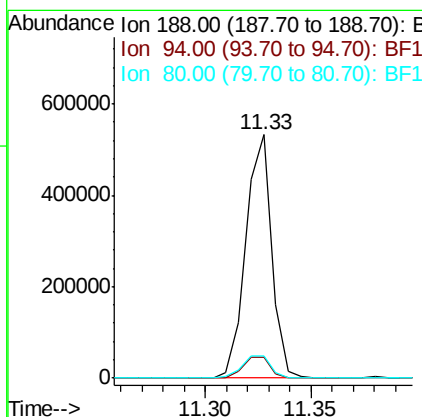
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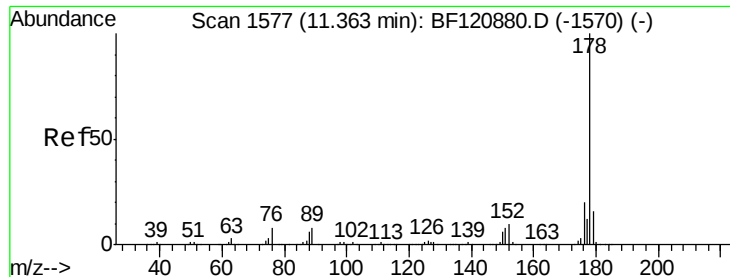
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: BF121139.D
 Acq: 30 Jul 2020 20:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.0	12.0
80	9.0	8.3	12.5





#71

Phenanthrene

Concen: 14.062 ng

RT: 11.35 min Scan# 1575

Delta R.T. 0.00 min

Lab File: BF121139.D

Acq: 30 Jul 2020 20:50

Instrument :

BNA_F

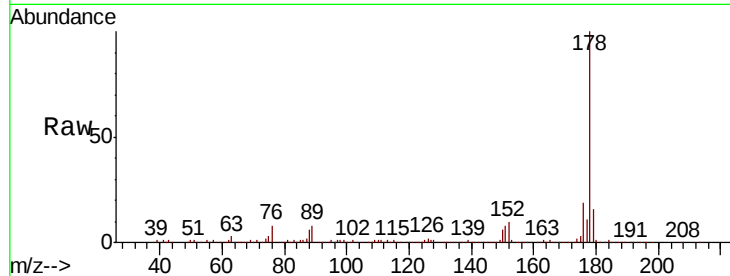
ClientSampled :

8

Tot Ion:178	Resp:	327818
Ion Ratio	Lower	Upper
178	100	
176	19.4	16.2 24.2
179	15.6	12.6 19.0

Manual Integrations
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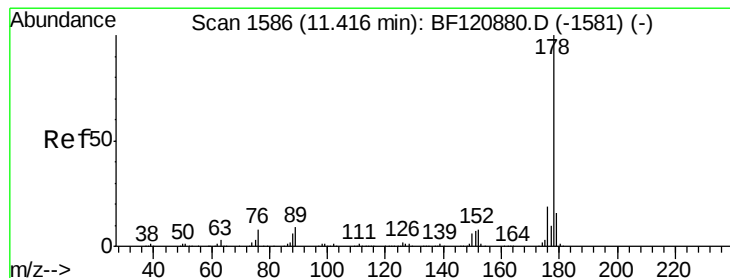
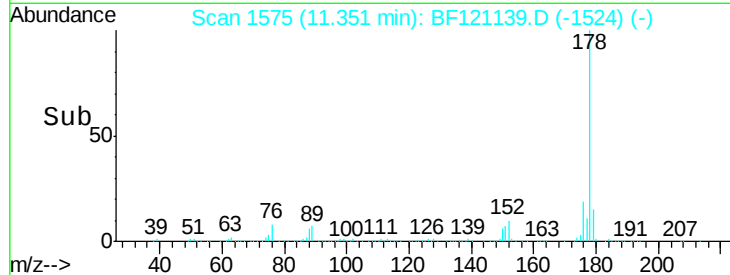
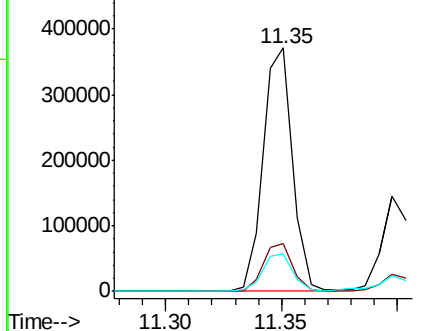
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 5.052 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF121139.D

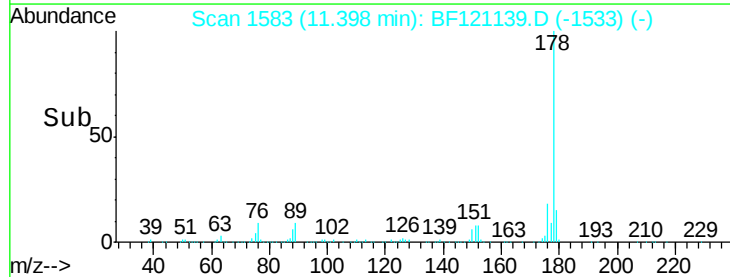
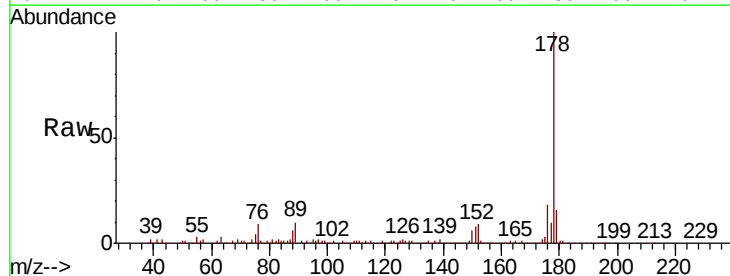
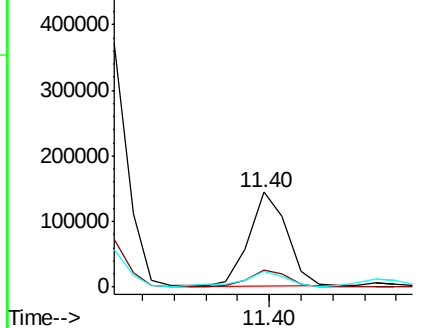
Acq: 30 Jul 2020 20:50

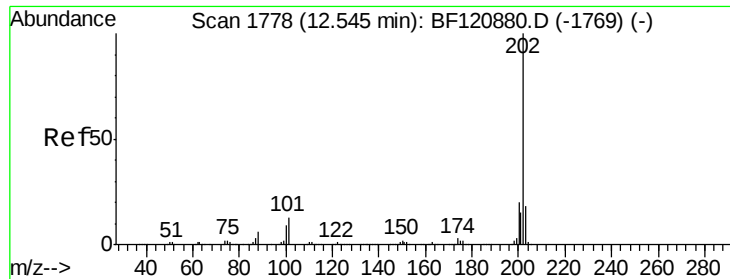
Tgt Ion:178	Resp:	118252
Ion Ratio	Lower	Upper
178	100	
176	18.5	15.8 23.8
179	16.0	12.6 19.0

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: 19.932 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.00 min

Lab File: BF121139.D

Acq: 30 Jul 2020 20:50

Instrument :

BNA_F

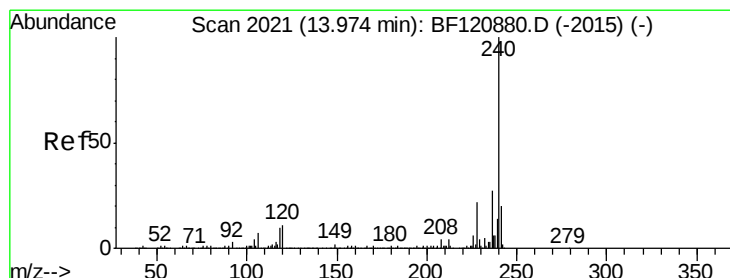
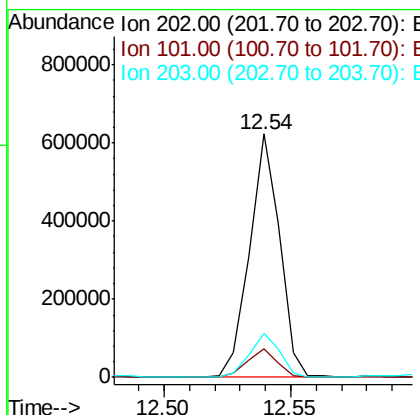
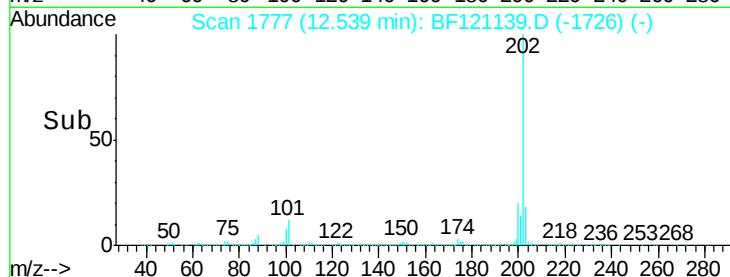
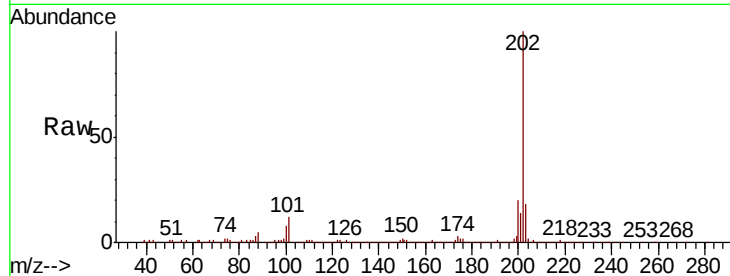
ClientSampleId :

8

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.9	0.0	30.5
203	17.8	0.0	37.7

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#76

Chrysene-d12

Concen: 20.000 ng

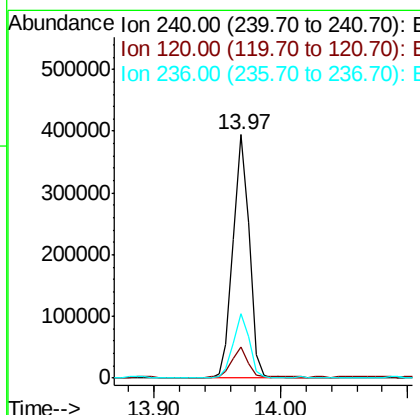
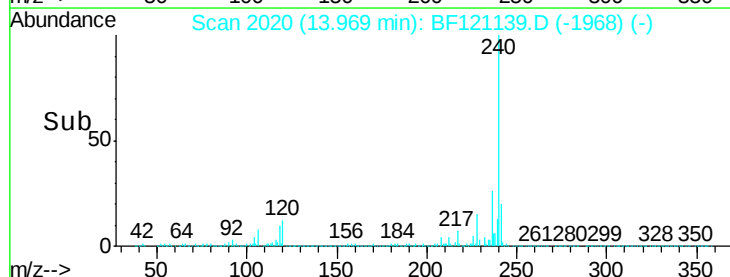
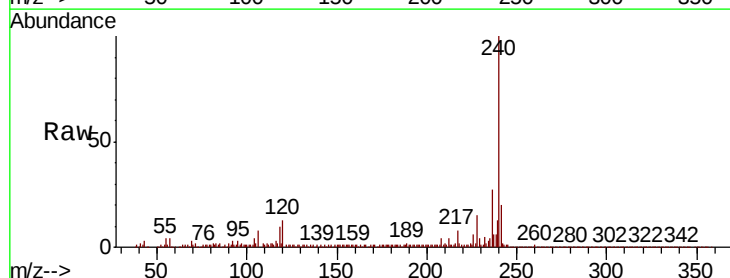
RT: 13.97 min Scan# 2020

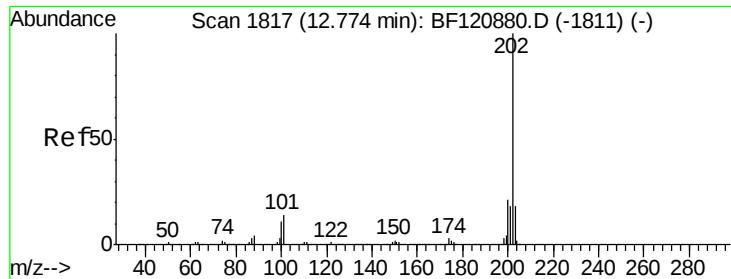
Delta R.T. 0.01 min

Lab File: BF121139.D

Acq: 30 Jul 2020 20:50

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.6	9.3	13.9
236	26.7	21.1	31.7





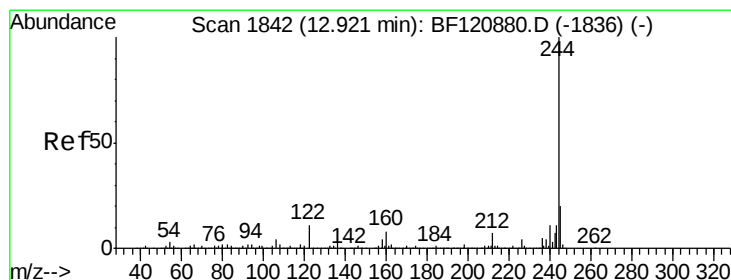
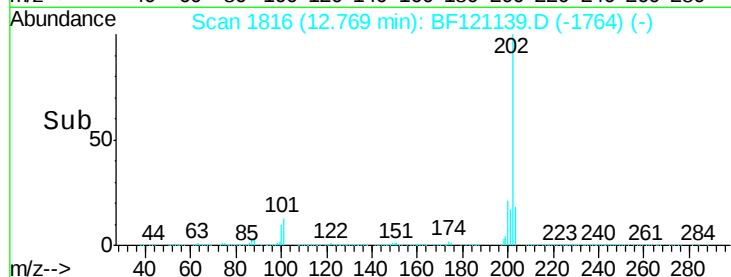
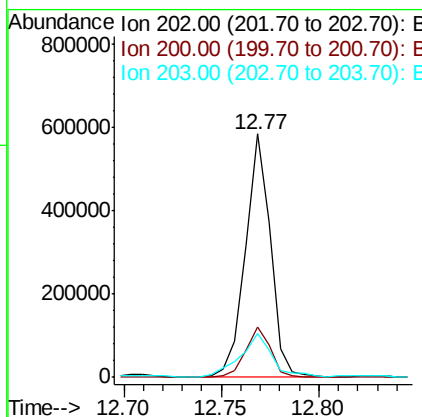
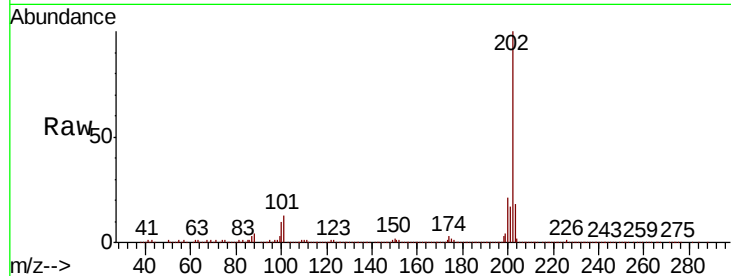
#78
Pvrene
Concen: 21.337 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF121139.D
Acq: 30 Jul 2020 20:50

Instrument :
BNA_F
ClientSampleId :
8

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.6
203	18.1	14.6	21.8

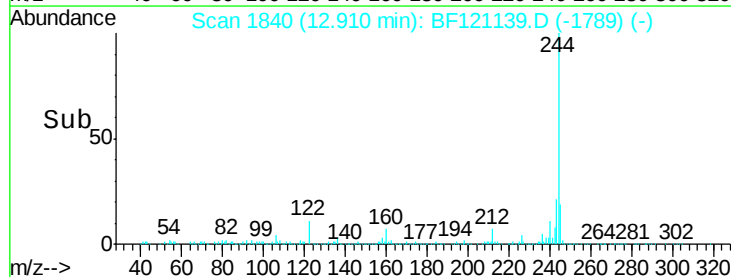
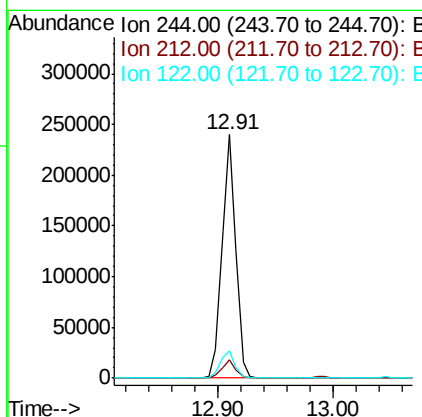
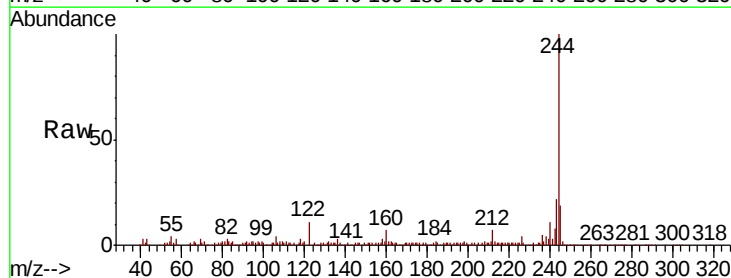
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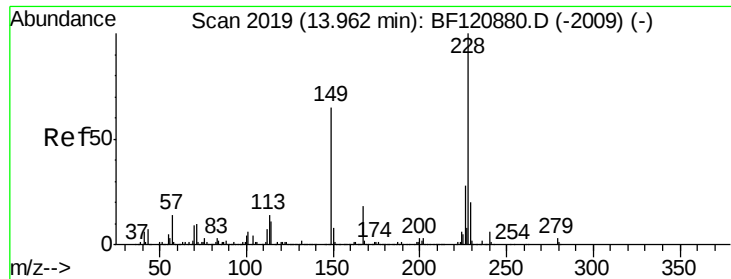
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#79
Terphenyl-d14
Concen: 12.640 ng
RT: 12.91 min Scan# 1840
Delta R.T. 0.00 min
Lab File: BF121139.D
Acq: 30 Jul 2020 20:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.7	8.5
122	11.0	8.3	12.5





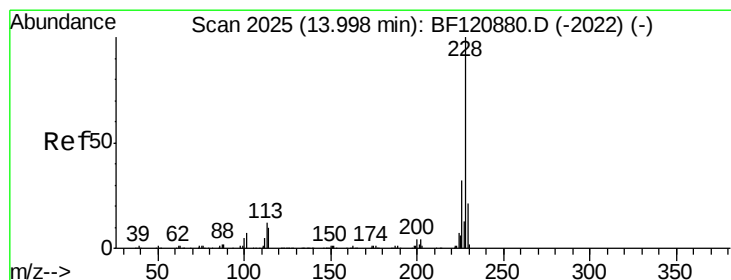
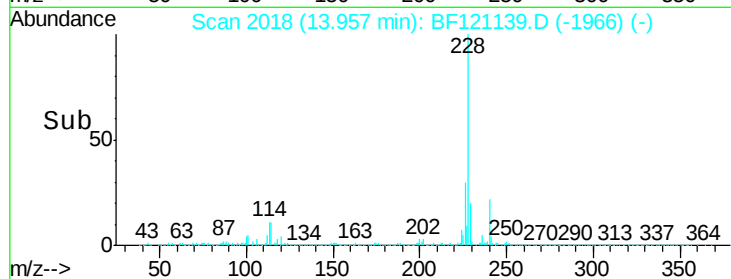
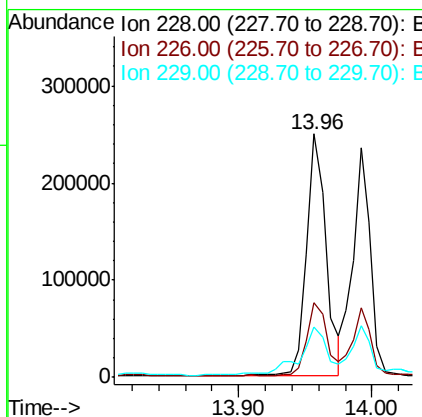
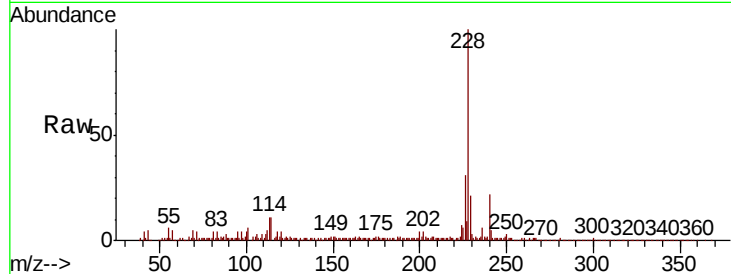
#81
Benzo(a)anthracene
Concen: 12.076 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF121139.D
Acq: 30 Jul 2020 20:50

Instrument :
BNA_F
ClientSampled :
8

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.6	34.0
229	20.8	16.1	24.1

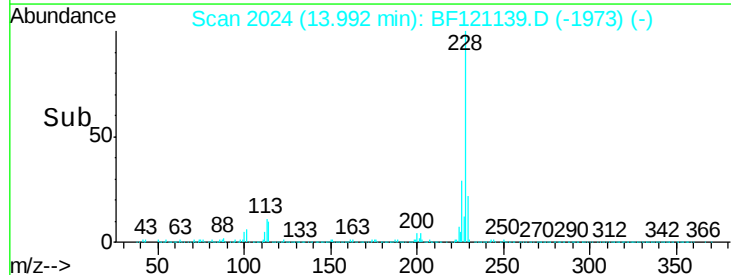
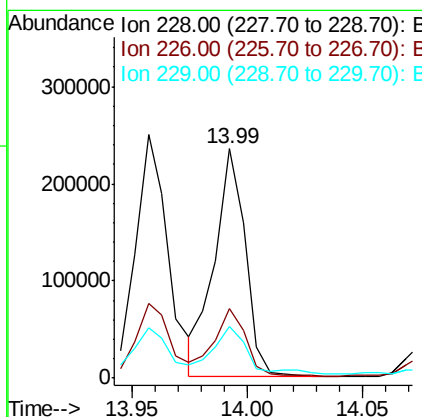
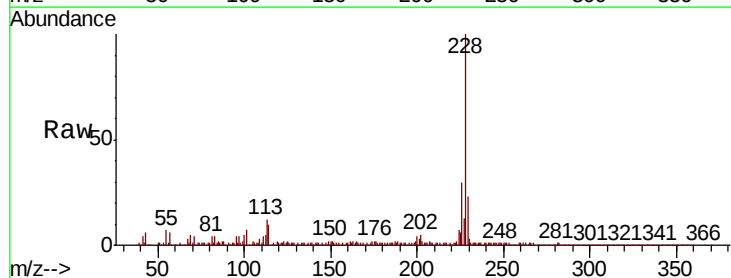
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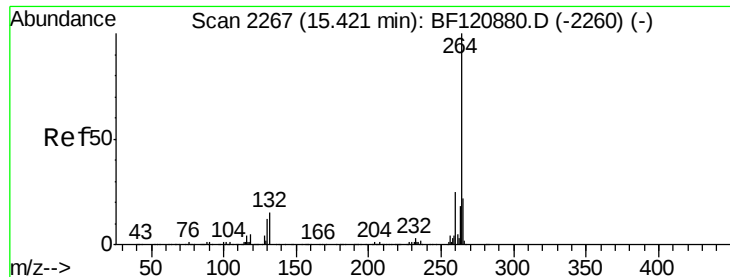
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#83
Chrysene
Concen: 9.997 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF121139.D
Acq: 30 Jul 2020 20:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.4	38.0
229	22.8	16.2	24.4





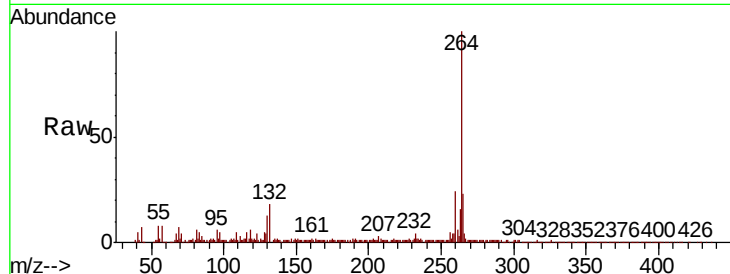
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF121139.D
Acq: 30 Jul 2020 20:50

Instrument :
BNA_F
ClientSampled :
8

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.9	29.9
265	22.6	17.8	26.8

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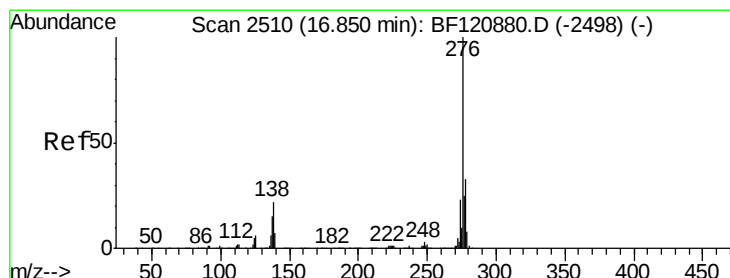
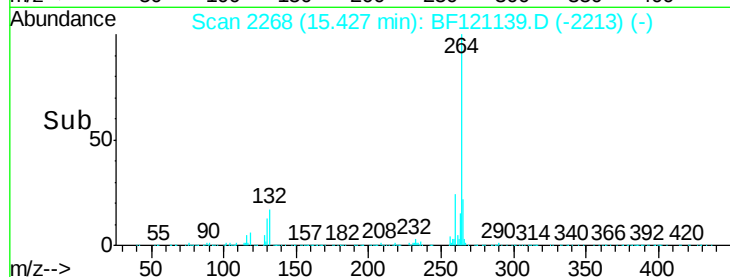
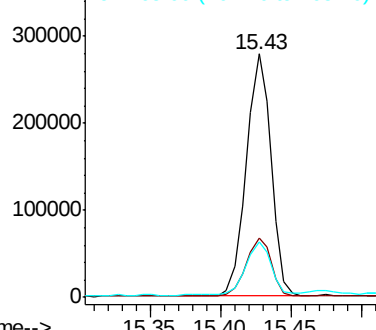


Abundance

Ion 264.00 (263.70 to 264.70): E

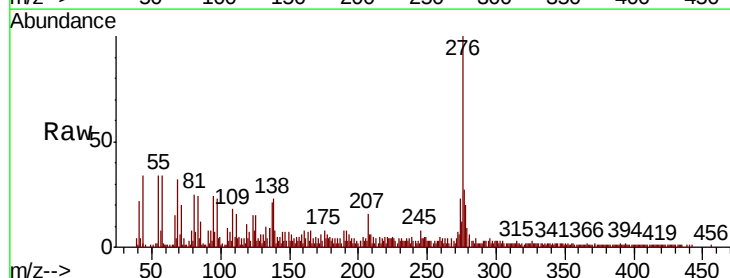
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.948 ng
RT: 16.86 min Scan# 2512
Delta R.T. 0.03 min
Lab File: BF121139.D
Acq: 30 Jul 2020 20:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.2	19.3	28.9
277	25.5	20.1	30.1

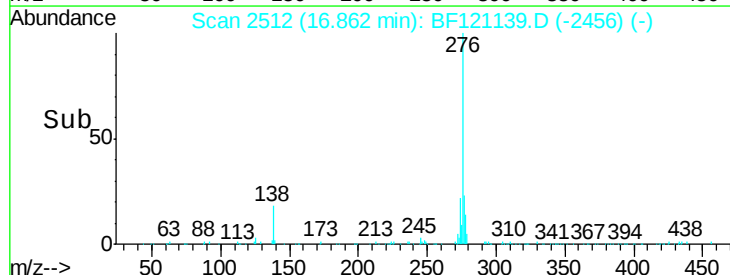
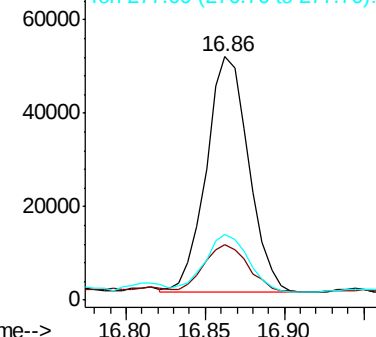


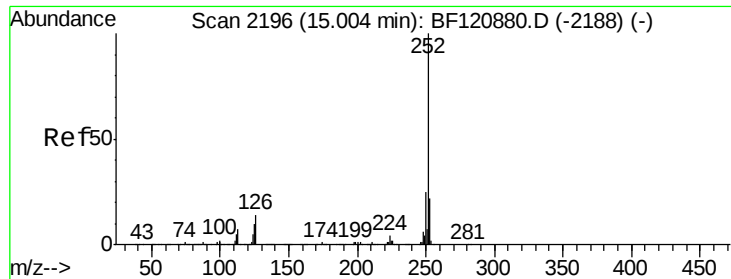
Abundance

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





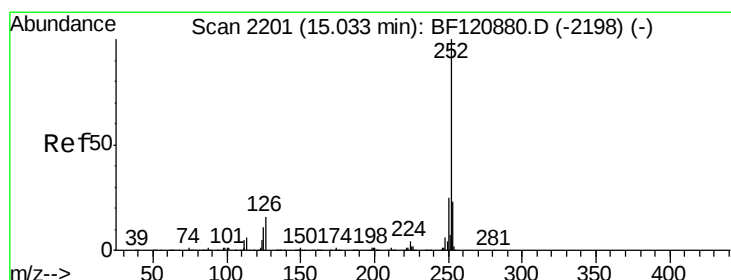
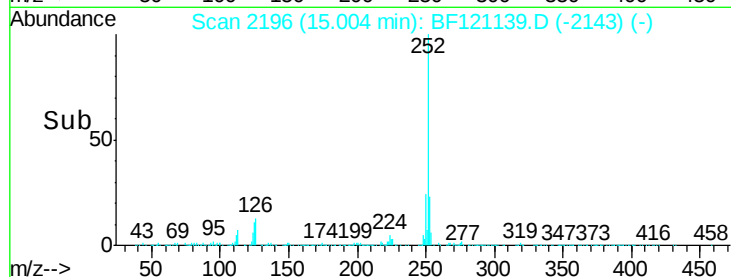
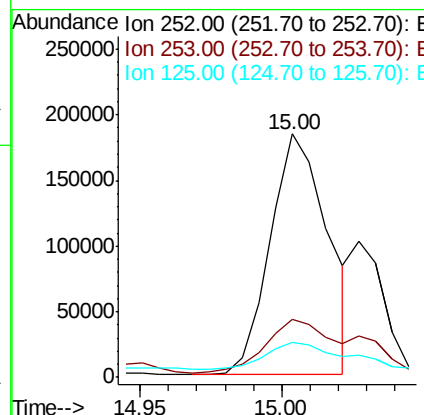
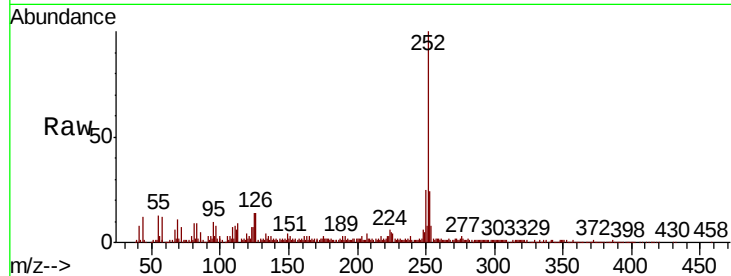
#88
Benzo(b)fluoranthene
Concen: 12.568 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BF121139.D
Acq: 30 Jul 2020 20:50

Instrument :
BNA_F
ClientSampled :
8

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.1	17.9	26.9
125	14.2	8.1	12.1

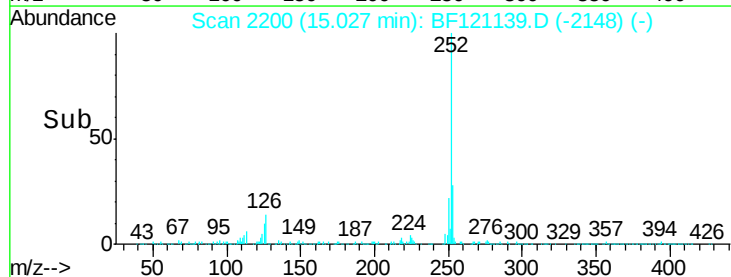
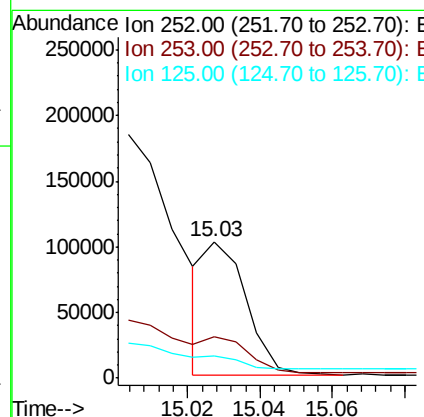
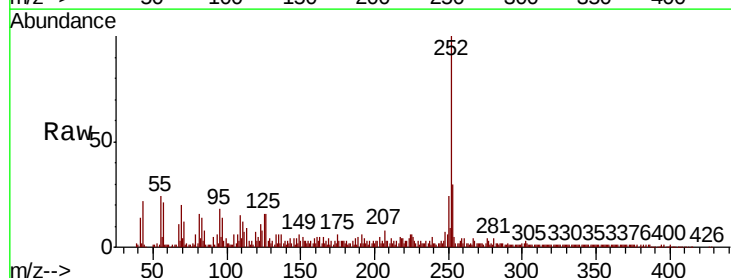
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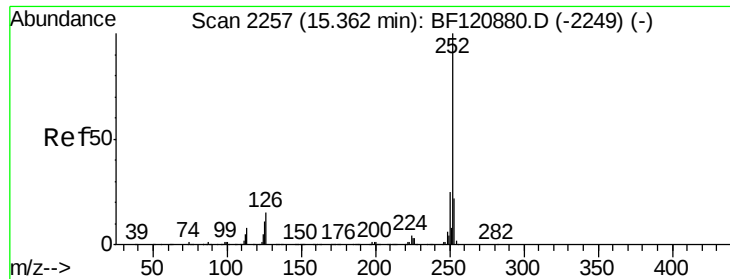
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#89
Benzo(k)fluoranthene
Concen: 4.235 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF121139.D
Acq: 30 Jul 2020 20:50

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	30.5	18.1	27.1
125	15.9	8.0	12.0





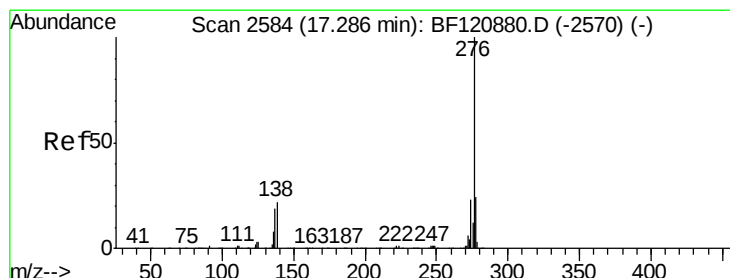
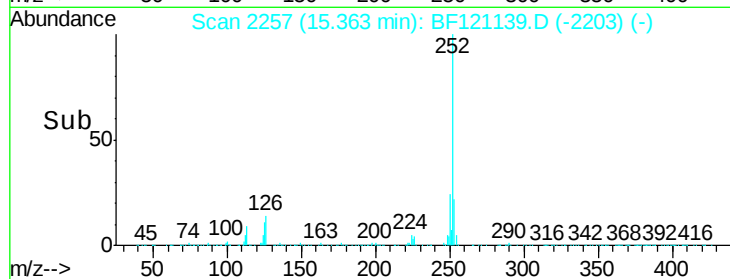
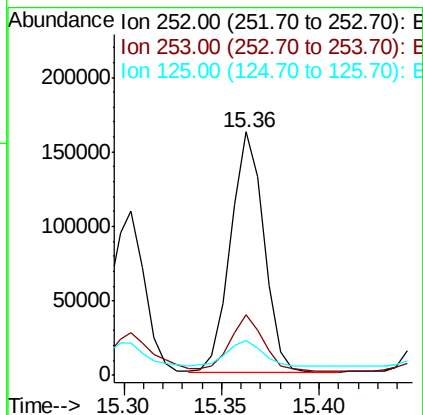
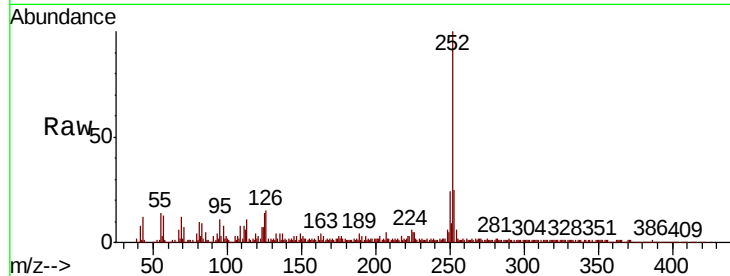
#90
Benzo(a)pyrene
Concen: 10.110 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.02 min
Lab File: BF121139.D
Acq: 30 Jul 2020 20:50

Instrument :
BNA_F
ClientSampled :
8

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.0	27.0
125	14.5	9.5	14.3

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 4.585 ng
RT: 17.30 min Scan# 2586
Delta R.T. 0.04 min
Lab File: BF121139.D
Acq: 30 Jul 2020 20:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.3	19.4	29.0
138	23.7	17.2	25.8

