

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082520\
 Data File : BF121429.D
 Acq On : 25 Aug 2020 15:59
 Operator : JU/CG
 Sample : L3785-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-18

Manual Integrations
 APPROVED

Quant Time: Aug 25 18:18:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 04:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	146565	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	594217	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	308920	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	607077	20.00	ng	0.00
76) Chrysene-d12	13.85	240	543495	20.00	ng	0.00
86) Perylene-d12	15.27	264	524962	20.00	ng	0.02

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System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	697727	78.06	ng	0.01
7) Phenol-d6	6.35	99	858983	75.28	ng	0.00
23) Nitrobenzene-d5	7.26	82	562571	53.54	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	263372	73.16	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	998426	57.93	ng	0.00
79) Terphenyl-d14	12.80	244	1043446	37.52	ng	0.00

8/26/2020 4:00:42 PM

Target Compounds

						Qvalue
50) Dimethylphthalate	9.45	163	165266	7.353	ng	100
71) Phenanthrene	11.23	178	124895	3.975	ng	97
75) Fluoranthene	12.42	202	281154	8.244	ng	98
78) Pyrene	12.65	202	291040	7.129	ng	99
81) Benzo(a)anthracene	13.84	228	117359	3.477	ng	97
83) Chrysene	13.87	228	154889m	4.486	ng	
88) Benzo(b)fluoranthene	14.86	252	165132m	4.869	ng	
90) Benzo(a)pyrene	15.20	252	85380	2.914	ng	99

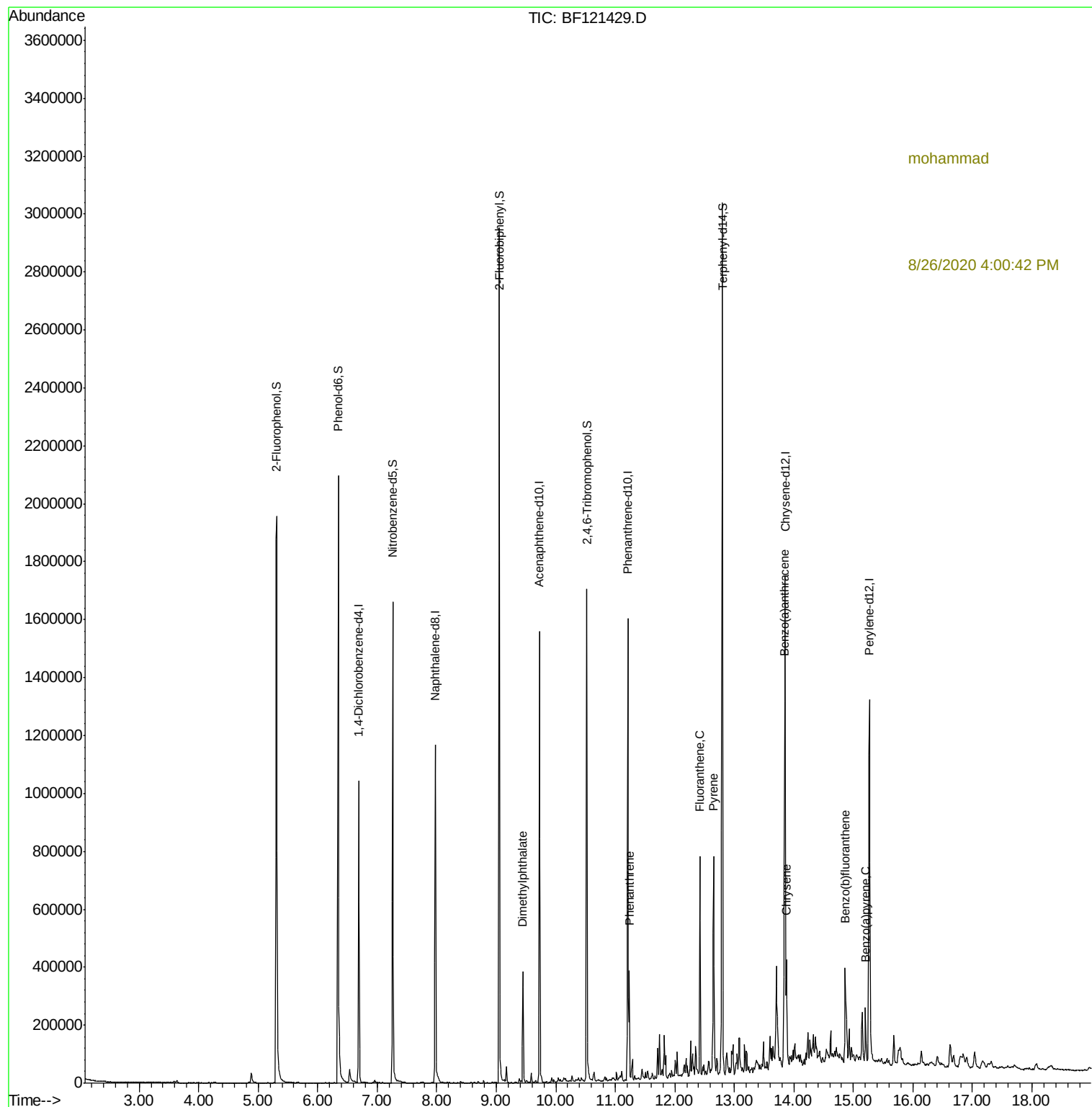
(#) = qualifier out of range (m) = manual integration (+) = signals summed

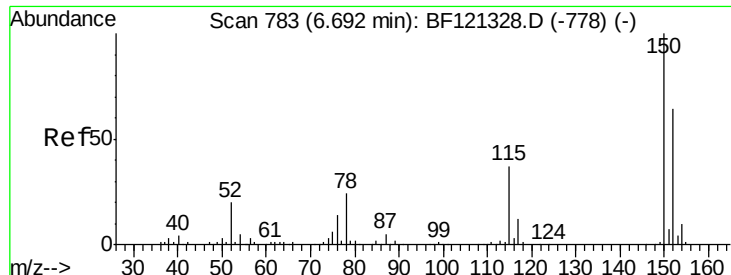
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082520\
Data File : BF121429.D
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CHRT-18

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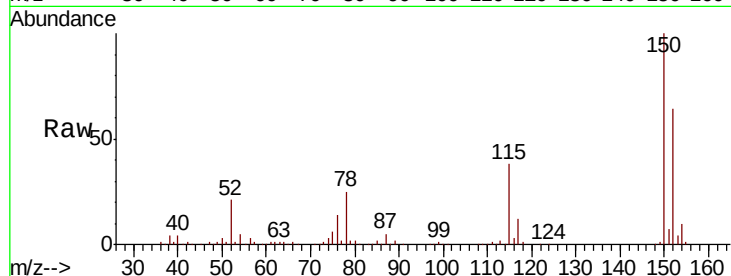
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF121429.D
Acq: 25 Aug 2020 15:59

Instrument :
BNA_F
ClientSampleId :
CHRT-18

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.8	187.2
115	59.0	46.1	69.1

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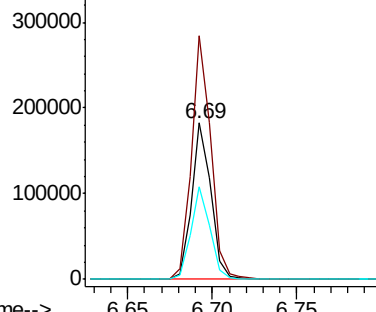


Abundance

Ion 152.00 (151.70 to 152.70): E

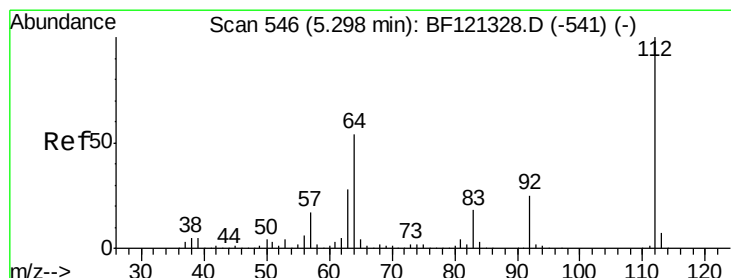
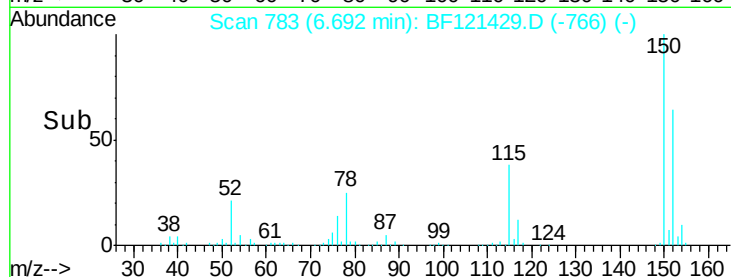
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



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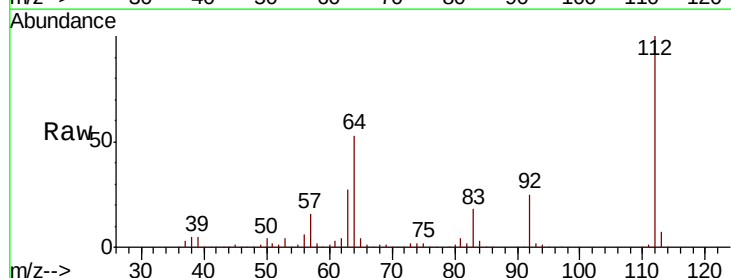
8/26/2020 4:00:42 PM



#5

2-Fluorophenol
Concen: 78.060 ng
RT: 5.31 min Scan# 548
Delta R.T. 0.01 min
Lab File: BF121429.D
Acq: 25 Aug 2020 15:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	43.5	65.3
63	27.3	22.0	33.0

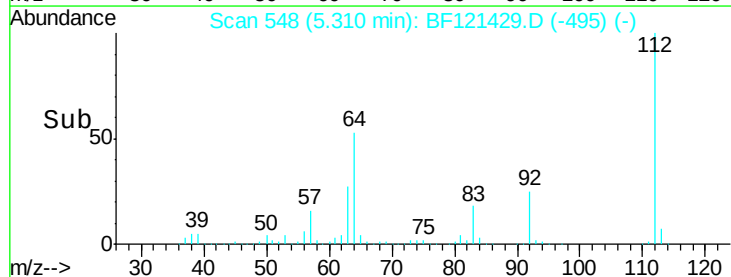
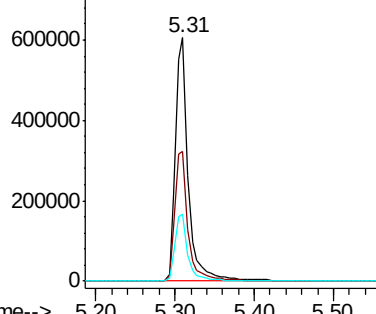


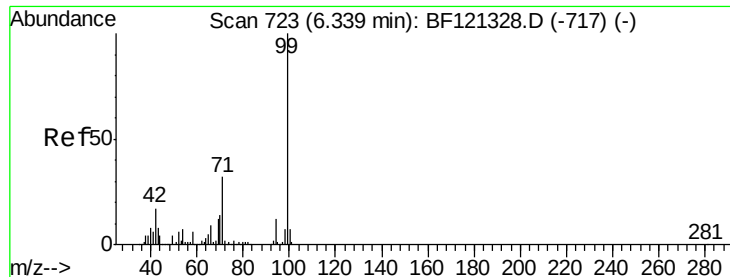
Abundance

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: 75.279 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF121429.D

Acq: 25 Aug 2020 15:59

Instrument :

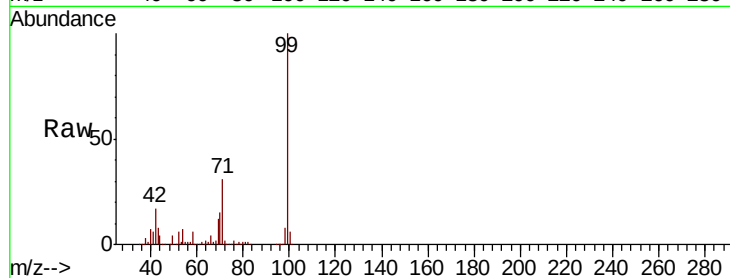
BNA_F

ClientSampled :

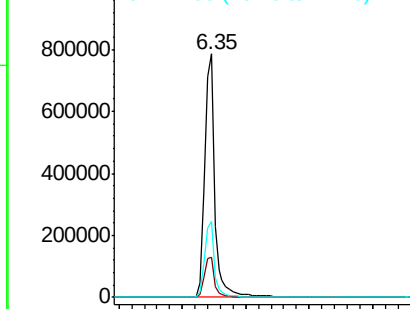
CHRT-18

Tot Ion:	99	Resp:	858983
Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.5	20.3
71	31.2	25.2	37.8

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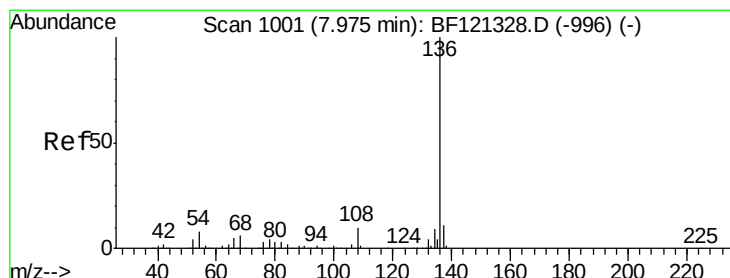
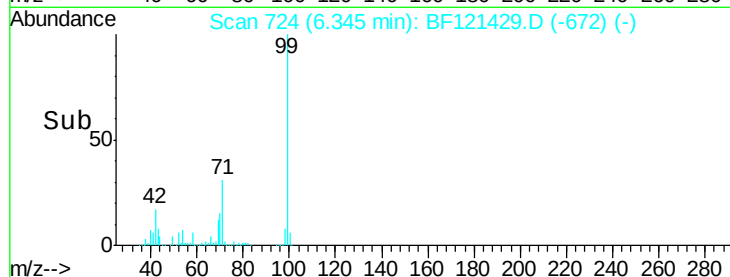


Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



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8/26/2020 4:00:42 PM



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

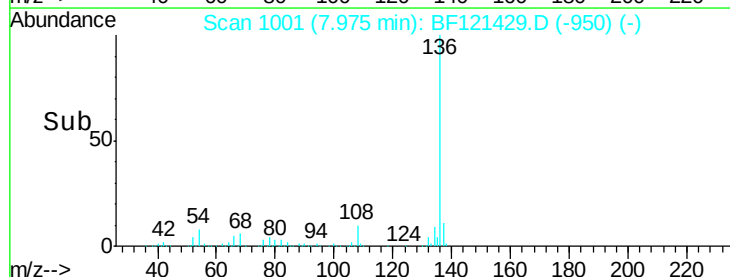
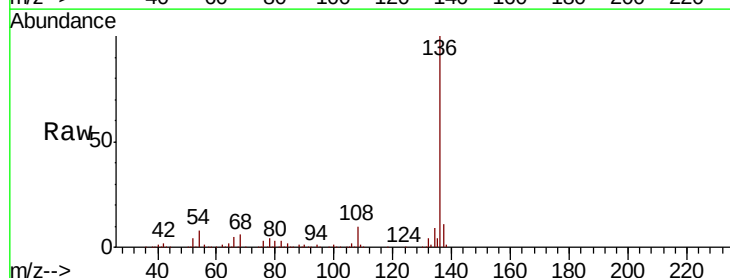
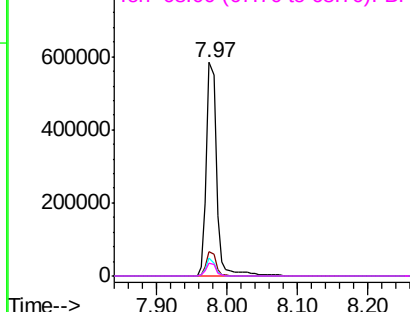
Delta R.T. 0.00 min

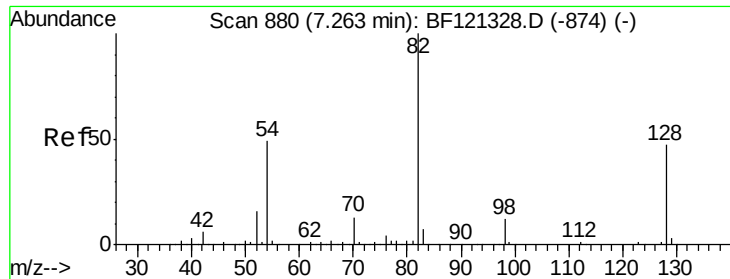
Lab File: BF121429.D

Acq: 25 Aug 2020 15:59

Tgt Ion:	136	Resp:	594217
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.1	6.1	9.1
68	6.3	5.0	7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



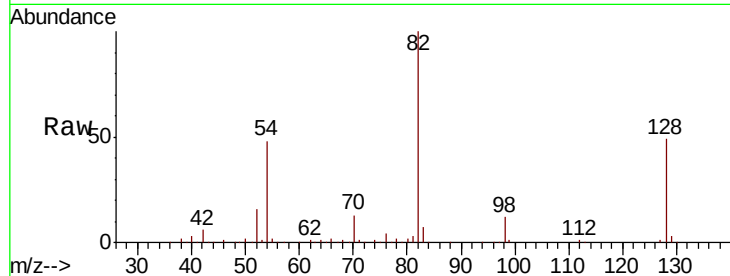


#23
Nitrobenzene-d5
Concen: 53.544 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF121429.D
Acq: 25 Aug 2020 15:59

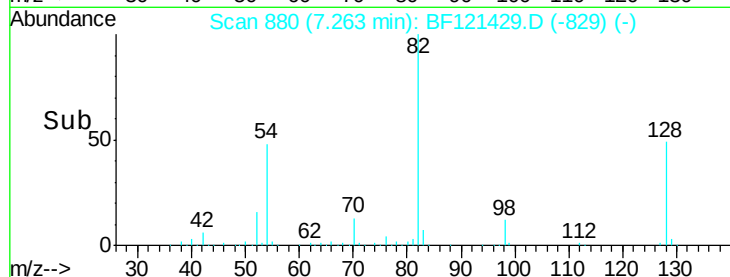
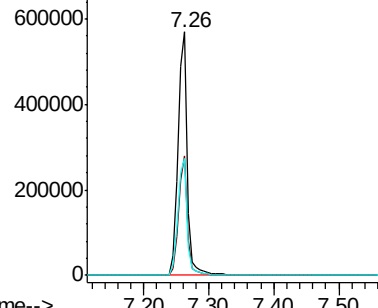
Instrument :
BNA_F
ClientSampled :
CHRT-18

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.9	37.9	56.9
54	48.1	39.0	58.4

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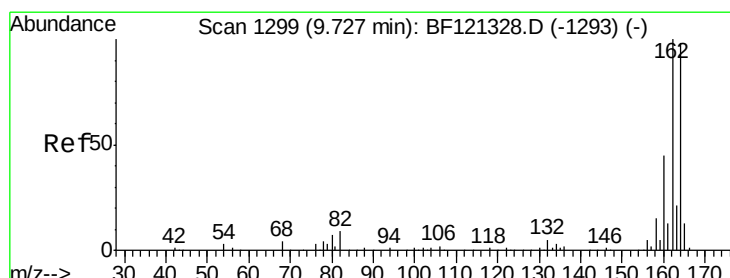


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1



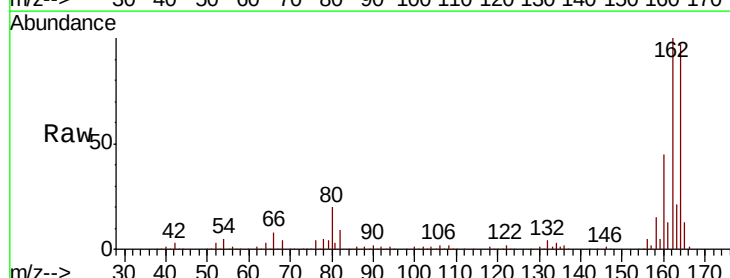
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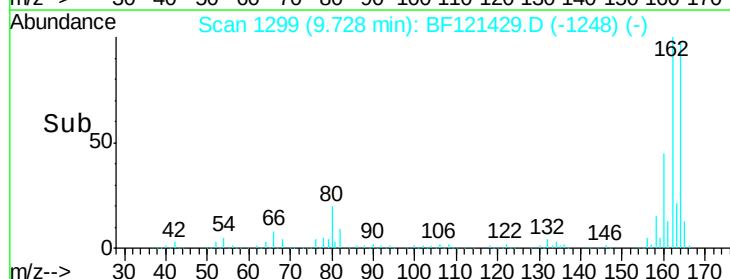
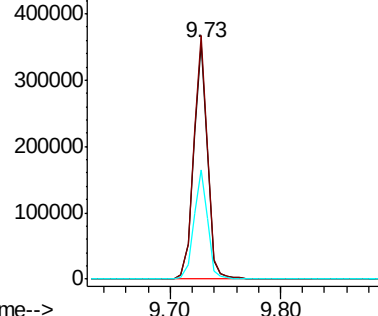


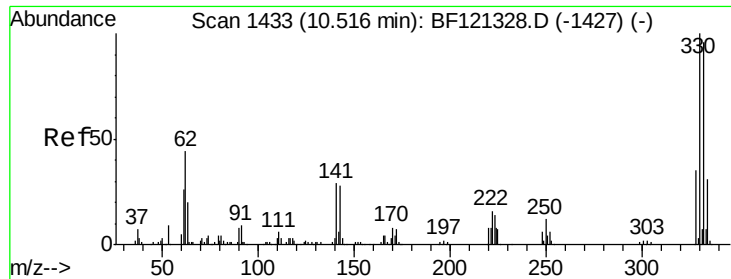
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BF121429.D
Acq: 25 Aug 2020 15:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	81.7	122.5
160	46.2	37.0	55.4



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 73.161 ng

RT: 10.52 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BF121429.D

Acq: 25 Aug 2020 15:59

Instrument :

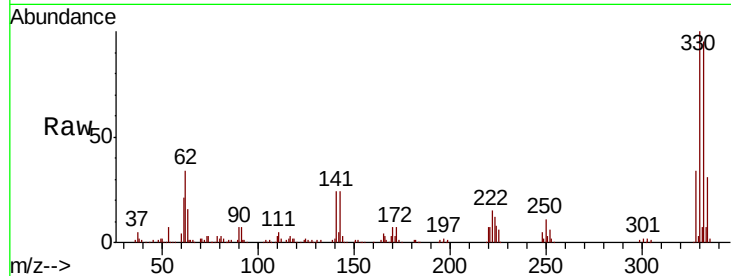
BNA_F

ClientSampled :

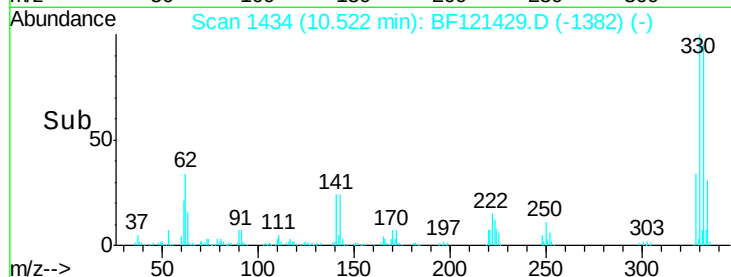
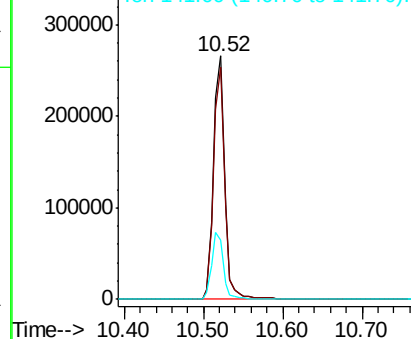
CHRT-18

Tot Ion:	330	Resp:	263372
Ion Ratio	Lower	Upper	
330	100		
332	95.6	76.9	115.3
141	29.3	22.8	34.2

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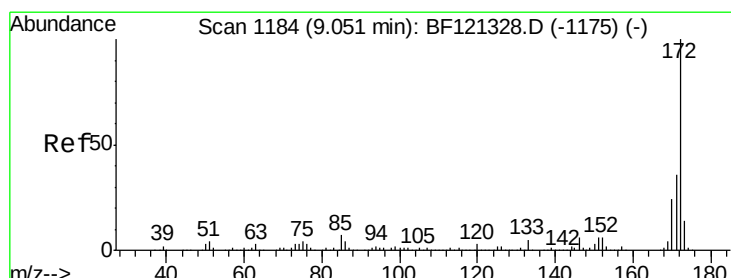


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



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#45

2-Fluorobiphenyl

Concen: 57.927 ng

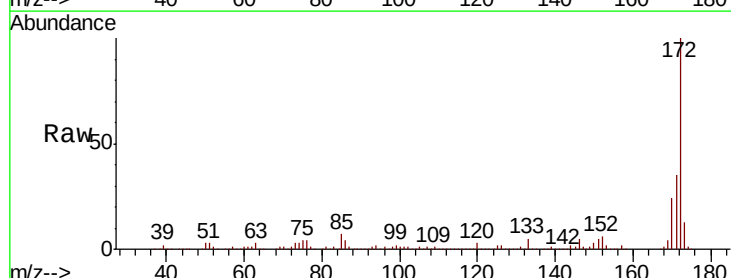
RT: 9.05 min Scan# 1184

Delta R.T. 0.00 min

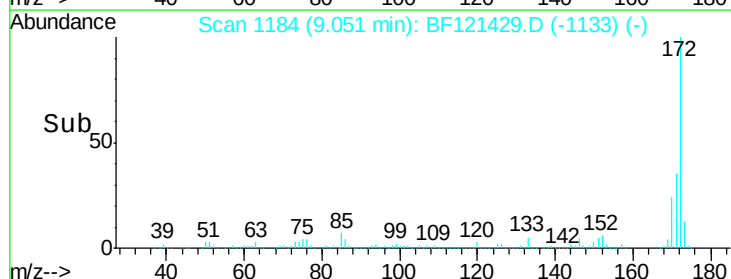
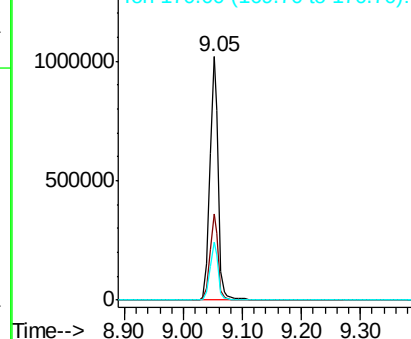
Lab File: BF121429.D

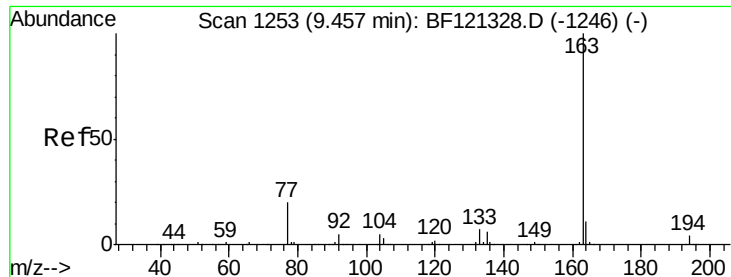
Acq: 25 Aug 2020 15:59

Tgt Ion:	172	Resp:	998426
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.0	43.6
170	23.9	19.4	29.2



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



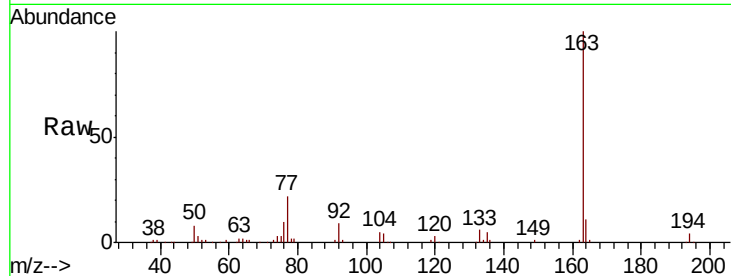


#50
Dimethylphthalate
Concen: 7.353 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BF121429.D
Acq: 25 Aug 2020 15:59

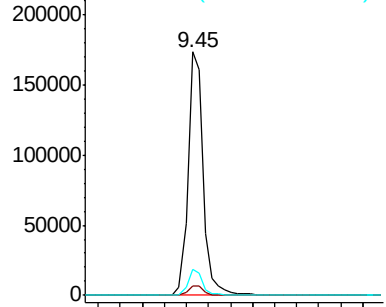
Instrument :
BNA_F
ClientSampleId :
CHRT-18

Tot Ion	Ratio	Resp	Lower	Upper
163	100	165266		
194	3.7		3.0	4.6
164	10.6		8.4	12.6

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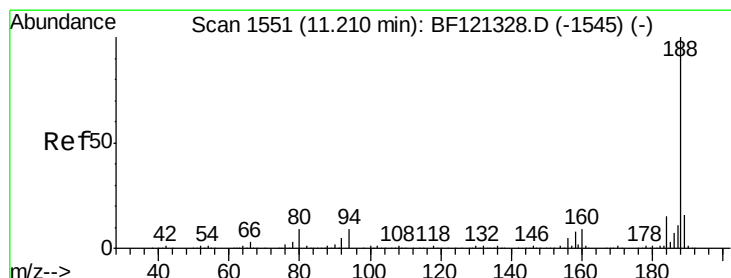
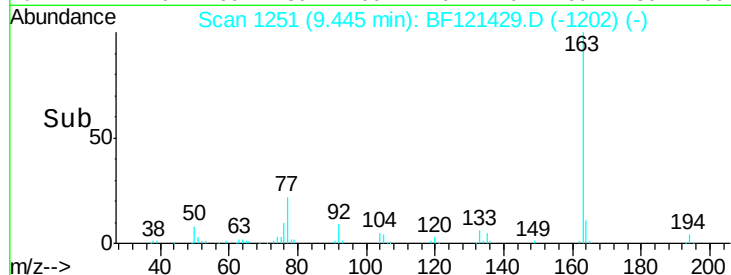


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



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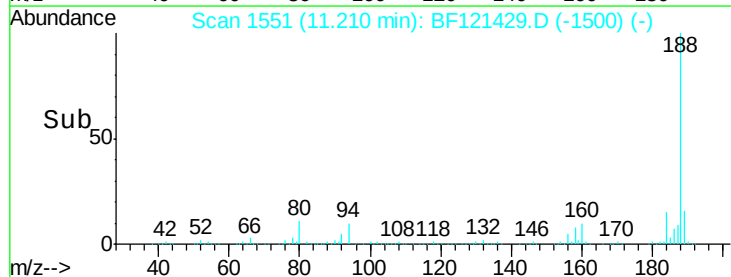
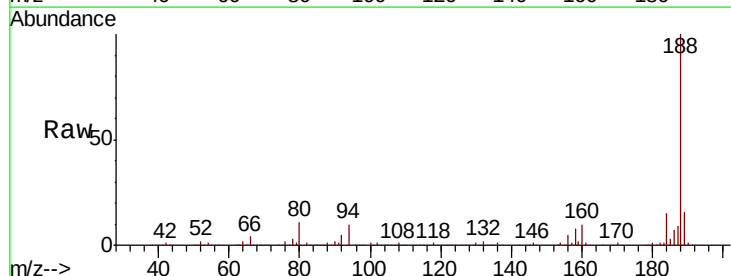
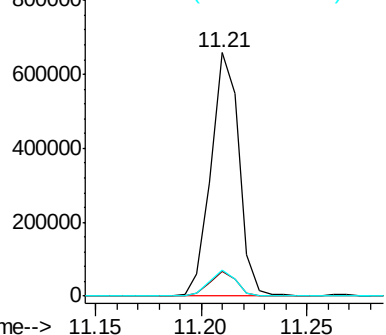
8/26/2020 4:00:42 PM

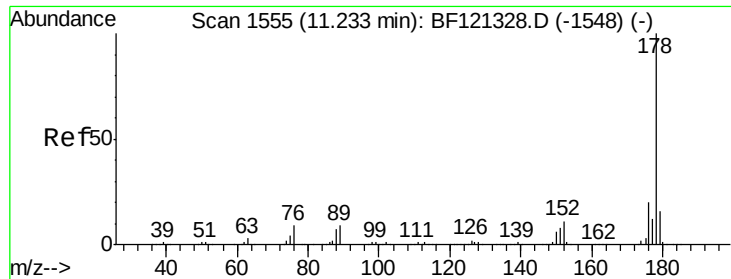


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BF121429.D
Acq: 25 Aug 2020 15:59

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	607077		
94	10.1		7.2	10.8
80	10.5		7.4	11.0

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





#71

Phenanthrene

Concen: 3.975 ng

RT: 11.23 min Scan# 1555

Delta R.T. 0.00 min

Lab File: BF121429.D

Acq: 25 Aug 2020 15:59

Instrument :

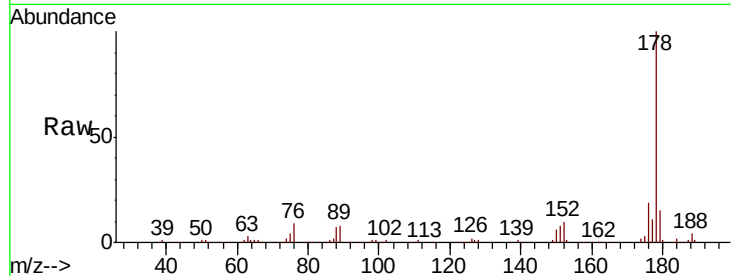
BNA_F

ClientSampled :

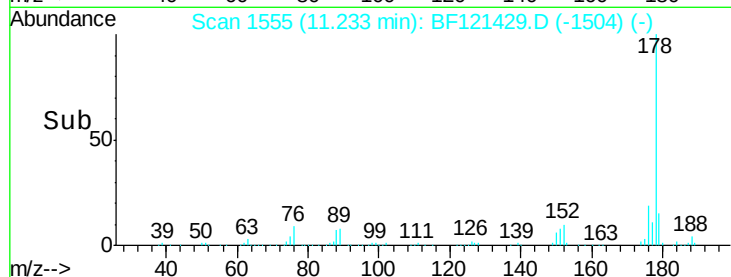
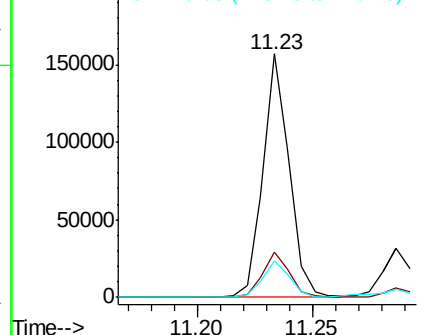
CHRT-18

Tot Ion:	178	Resp:	124895
Ion Ratio	Lower	Upper	
178	100		
176	18.5	16.0	24.0
179	14.9	12.8	19.2

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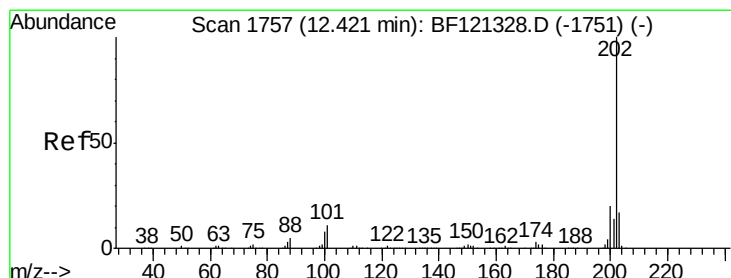


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



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#75

Fluoranthene

Concen: 8.244 ng

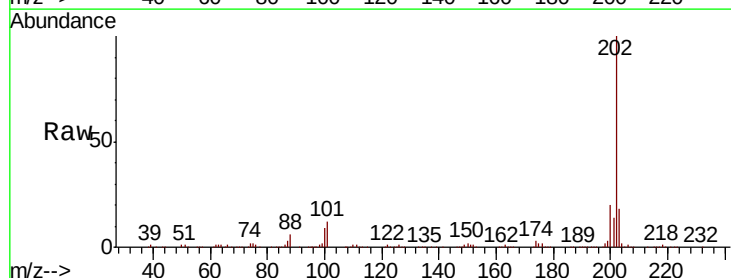
RT: 12.42 min Scan# 1757

Delta R.T. 0.00 min

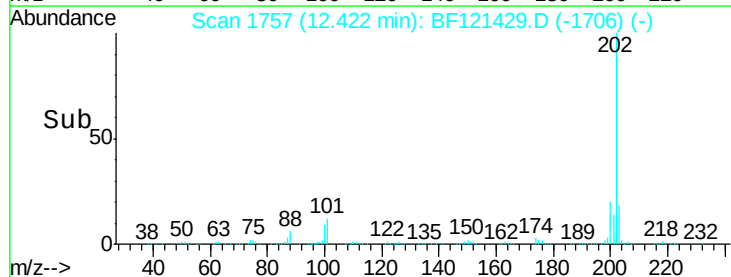
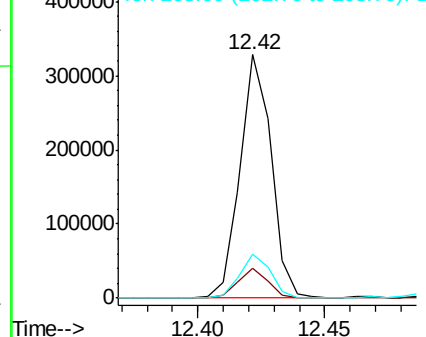
Lab File: BF121429.D

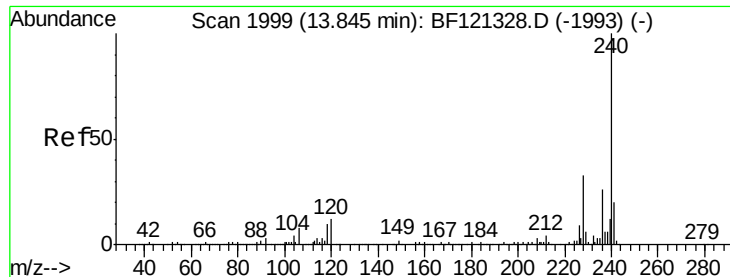
Acq: 25 Aug 2020 15:59

Tgt Ion:	202	Resp:	281154
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	30.6
203	17.8	0.0	37.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 2000

Delta R.T. 0.01 min

Lab File: BF121429.D

Acq: 25 Aug 2020 15:59

Instrument :

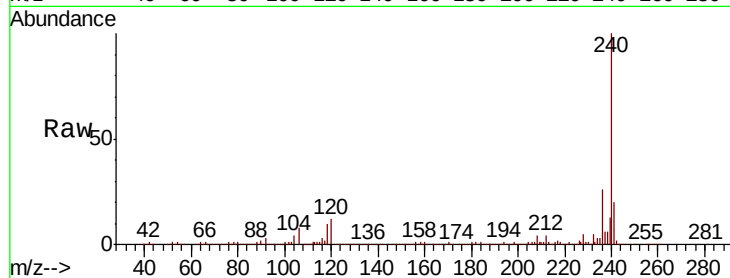
BNA_F

ClientSampled :

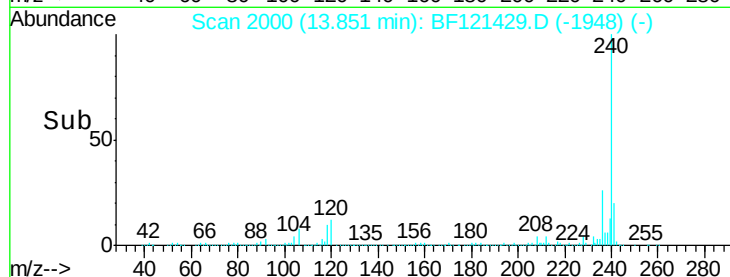
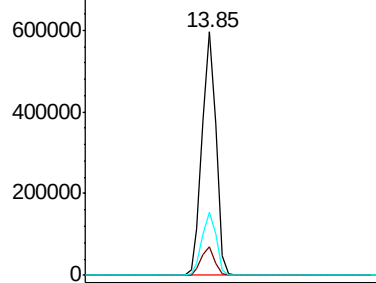
CHRT-18

Tot Ion:	240	Resp:	543495
Ion Ratio		Lower	Upper
240	100		
120	11.8	9.6	14.4
236	26.2	20.6	31.0

Manual Integrations
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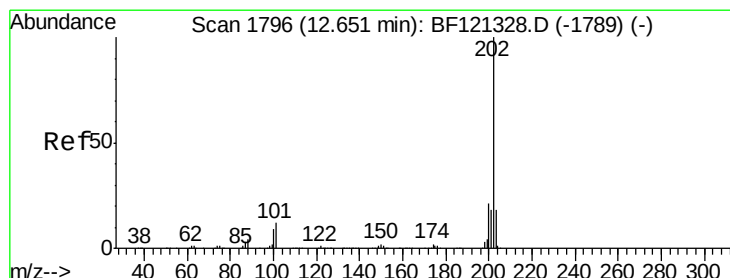


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



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8/26/2020 4:00:42 PM



#78

Pyrene

Concen: 7.129 ng

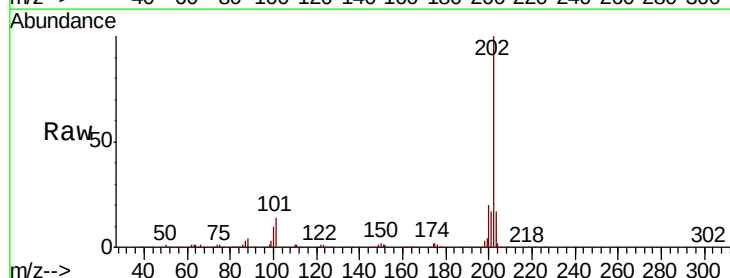
RT: 12.65 min Scan# 1796

Delta R.T. 0.00 min

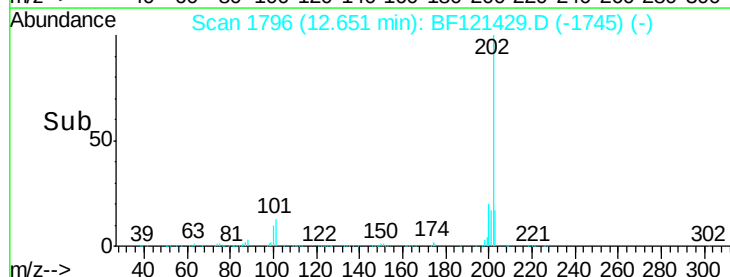
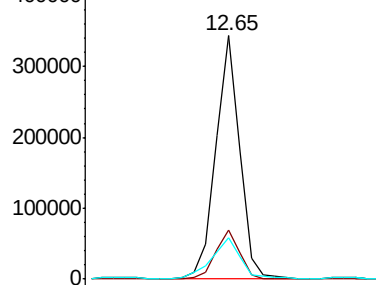
Lab File: BF121429.D

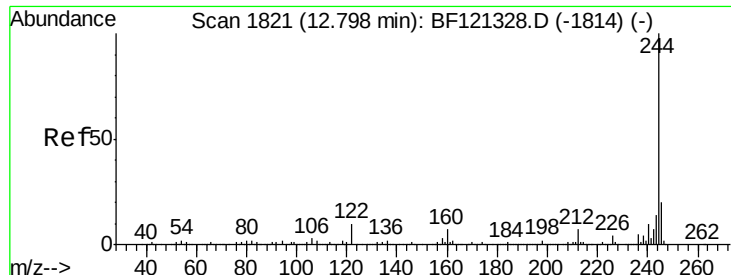
Acq: 25 Aug 2020 15:59

Tgt Ion:	202	Resp:	291040
Ion Ratio		Lower	Upper
202	100		
200	20.4	16.6	24.8
203	17.1	14.2	21.2



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



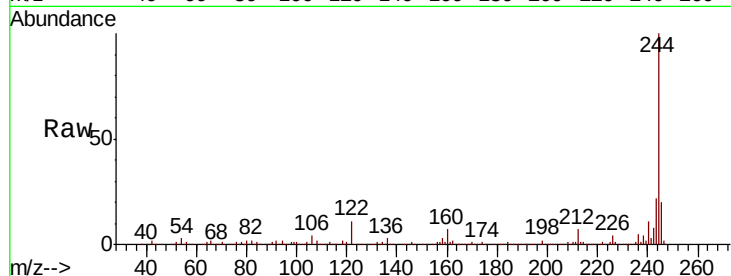


#79
 Terphenyl-d14
 Concen: 37.517 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: BF121429.D
 Acq: 25 Aug 2020 15:59

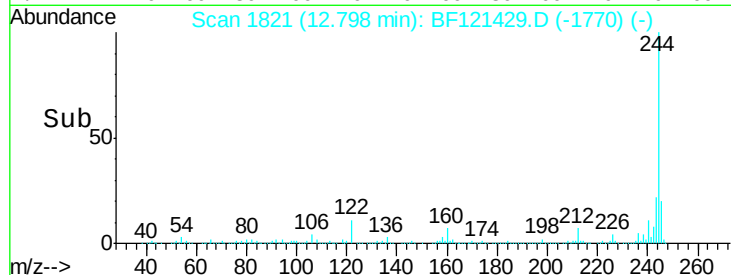
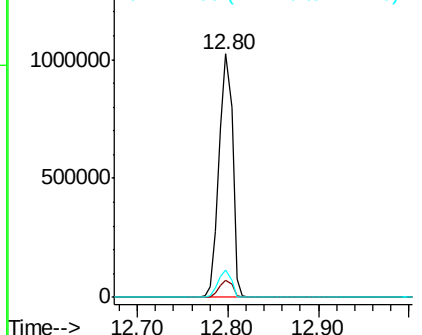
Instrument :
 BNA_F
 ClientSampled :
 CHRT-18

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	11.3	7.8	11.8

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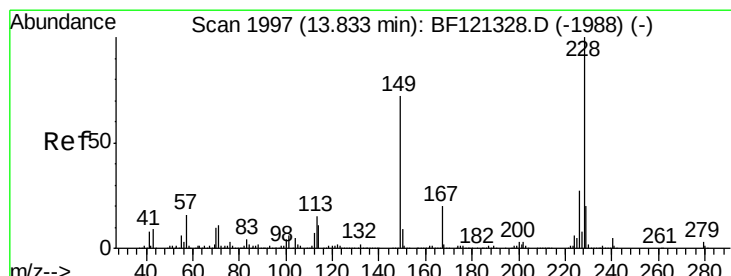


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



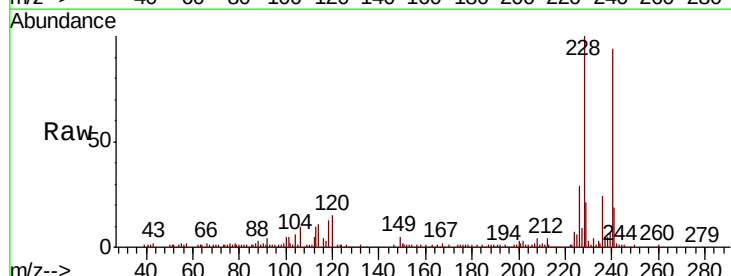
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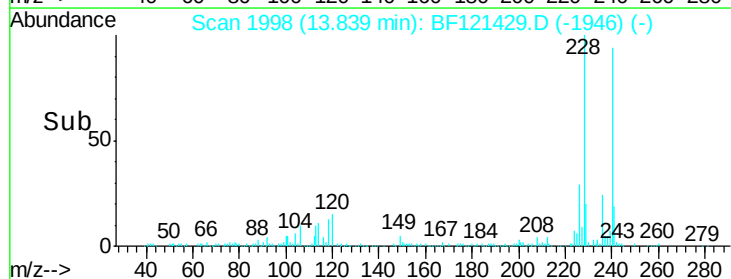
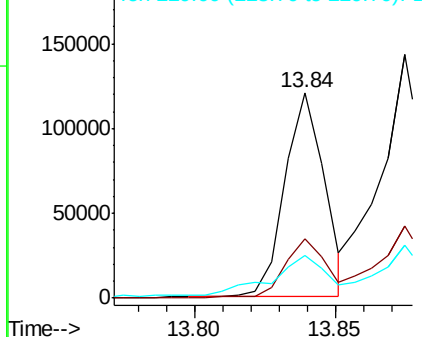


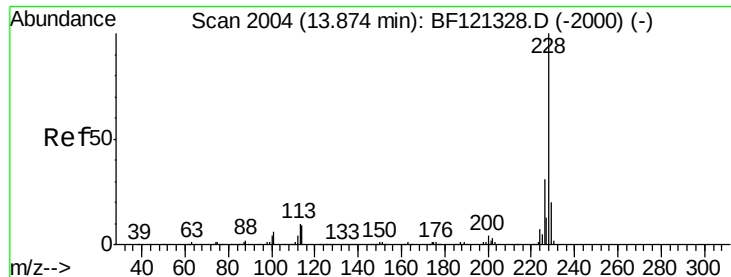
#81
 Benzo(a)anthracene
 Concen: 3.477 ng
 RT: 13.84 min Scan# 1998
 Delta R.T. 0.01 min
 Lab File: BF121429.D
 Acq: 25 Aug 2020 15:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.8	32.6
229	20.9	15.8	23.8



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



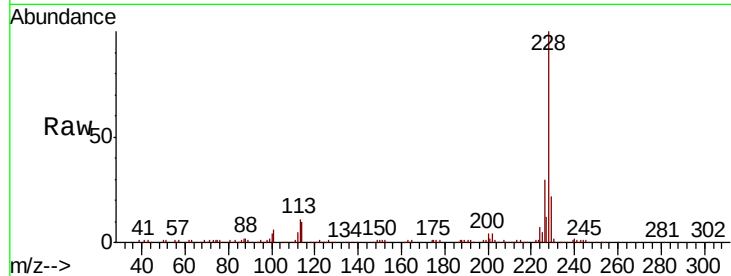


#83
Chrysene
Concen: 4.486 ng/mL
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF121429.D
Acq: 25 Aug 2020 15:59

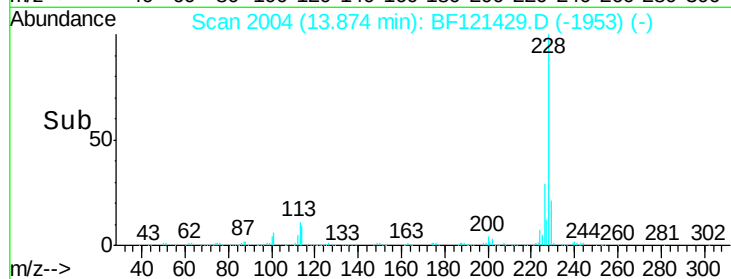
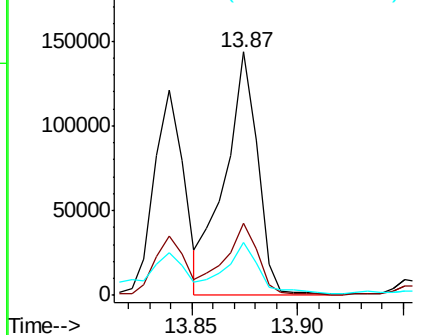
Instrument :
BNA_F
ClientSampled :
CHRT-18

Tot Ion:	228	Resp:	154889
Ion Ratio		Lower	Upper
228	100		
226	29.7	24.6	36.8
229	21.5	15.9	23.9

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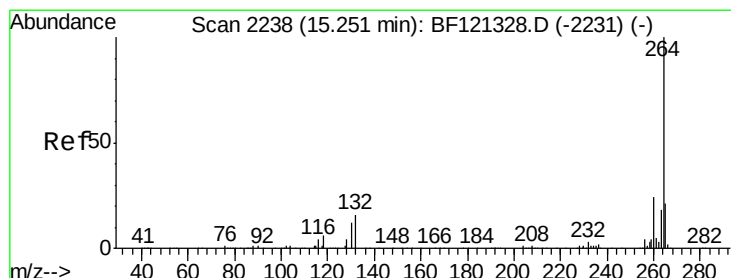


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



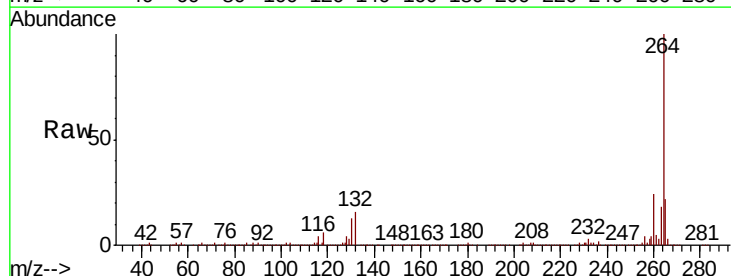
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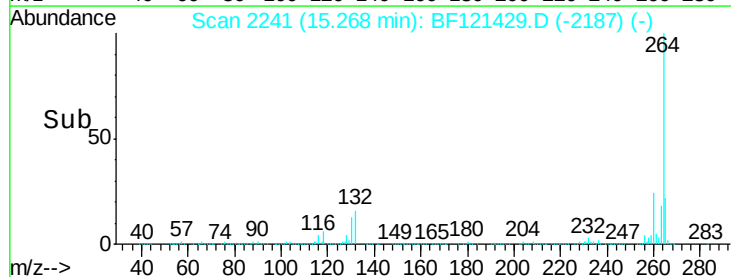
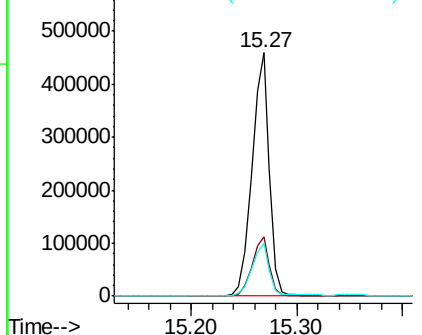


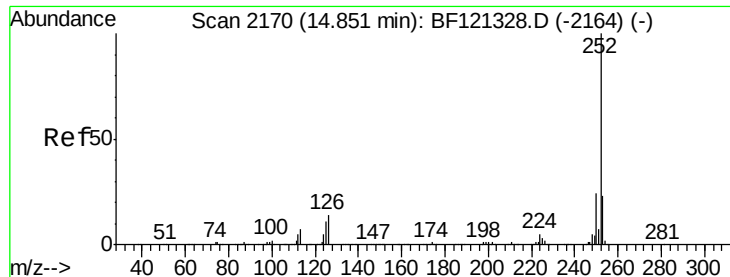
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.02 min
Lab File: BF121429.D
Acq: 25 Aug 2020 15:59

Tgt Ion:	264	Resp:	524962
Ion Ratio		Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.8	17.1	25.7



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



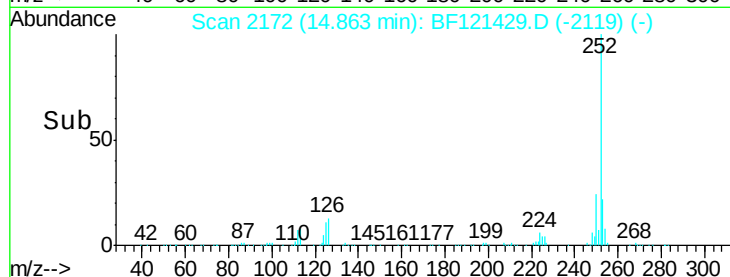
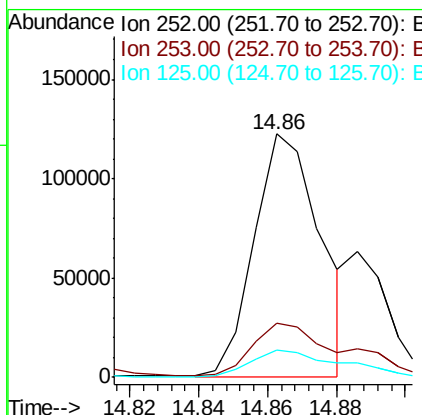
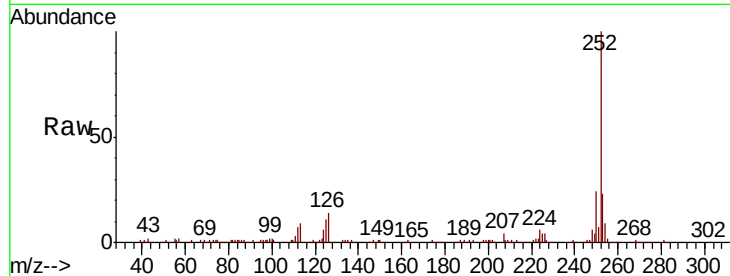


#88
Benzo(b)fluoranthene
Concen: 4.869 ng m
RT: 14.86 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BF121429.D
Acq: 25 Aug 2020 15:59

Instrument :
BNA_F
ClientSampleId :
CHRT-18

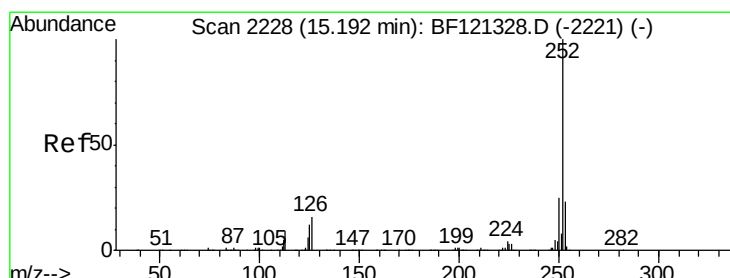
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	11.0	8.6	12.8

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8/26/2020 4:00:42 PM



#90
Benzo(a)pyrene
Concen: 2.914 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.01 min
Lab File: BF121429.D
Acq: 25 Aug 2020 15:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	11.2	9.4	14.0

