

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
 Data File : BF121808.D
 Acq On : 2 Oct 2020 22:26
 Operator : JU/CG
 Sample : L4213-08 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-16(11-13)

Manual Integrations
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mohammad
 10/5/2020 10:28:00 AM

Quant Time: Oct 03 02:16:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	126187	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	449228	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	191756	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	311452	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	279904	20.00	ng	-0.01
86) Perylene-d12	15.36	264	229633	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	151407	17.83	ng	-0.01
7) Phenol-d6	6.40	99	187757	16.85	ng	-0.02
23) Nitrobenzene-d5	7.32	82	117107	14.00	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	32306	13.56	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	197419	15.59	ng	-0.01
79) Terphenyl-d14	12.86	244	157022	11.37	ng	-0.02
Target Compounds						Qvalue
52) Acenaphthene	9.83	154	26300	2.240	ng	97
58) Fluorene	10.35	166	30968	2.449	ng	100
71) Phenanthrene	11.31	178	328307	19.347	ng	99
72) Anthracene	11.36	178	87797	5.014	ng	97
73) Carbazole	11.52	167	36988	2.341	ng	97
75) Fluoranthene	12.50	202	423322	23.369	ng	97
78) Pyrene	12.72	202	353855	17.303	ng	99
81) Benzo(a)anthracene	13.91	228	201667	11.388	ng	99
83) Chrysene	13.94	228	171095	9.541	ng	97
87) Indeno(1,2,3-cd)pyrene	16.77	276	76855	5.139	ng	95
88) Benzo(b)fluoranthene	14.94	252	192390m	12.533	ng	
89) Benzo(k)fluoranthene	14.97	252	65638m	4.669	ng	
90) Benzo(a)pyrene	15.30	252	134332	10.294	ng	96
92) Benzo(a,h,i)perylene	17.20	276	72522	5.927	ng	99

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

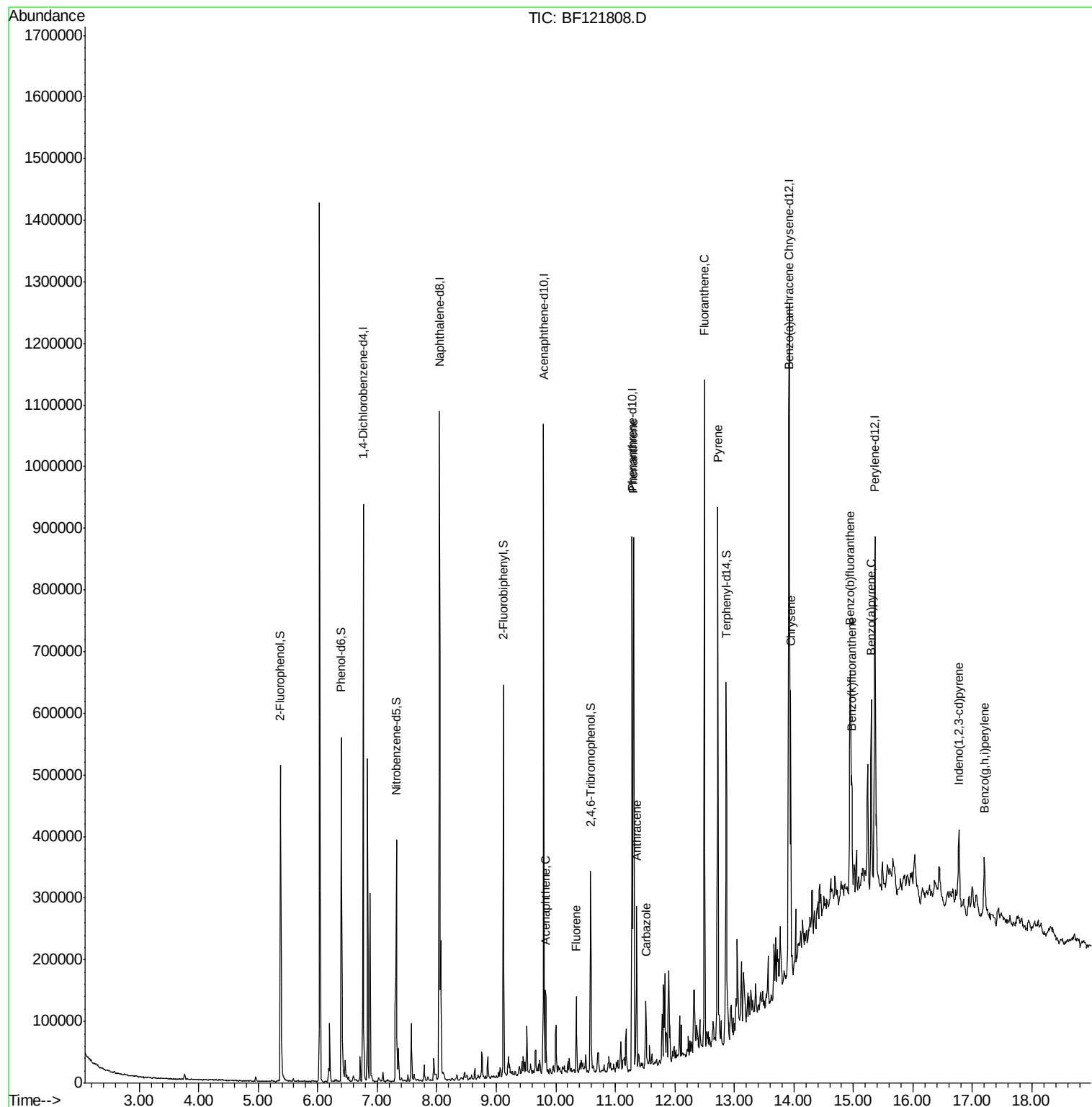
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121808.D
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ALS Vial : 23 Sample Multiplier: 1

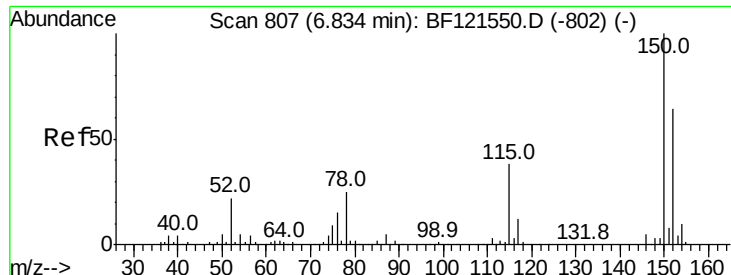
Instrument :
BNA_F
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B-16(11-13)

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Quant Time: Oct 03 02:16:39 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 14:29:14 2020
Response via : Initial Calibration





#1

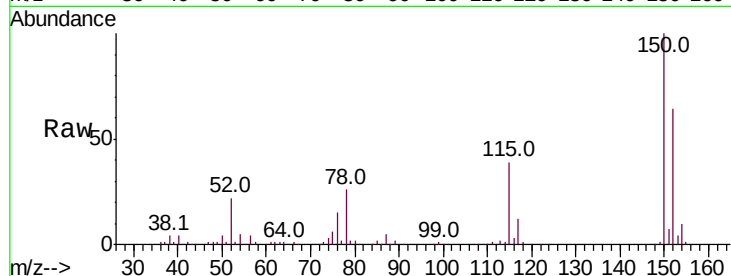
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121808.D
Acq: 2 Oct 2020 22:26

Instrument :
BNA_F
ClientSampleId :
B-16(11-13)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	125.3	187.9
115	61.7	51.9	77.9

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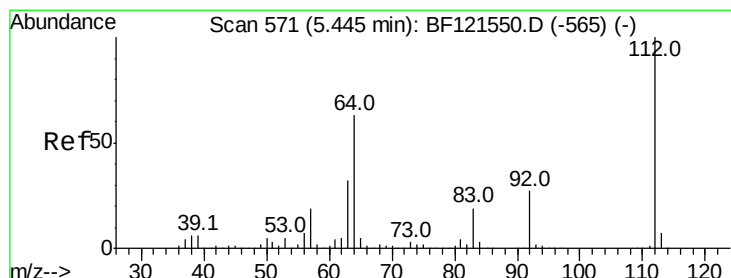
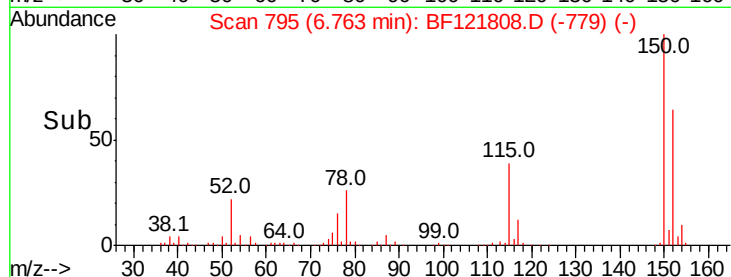
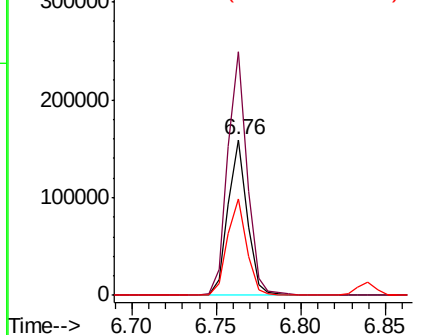


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

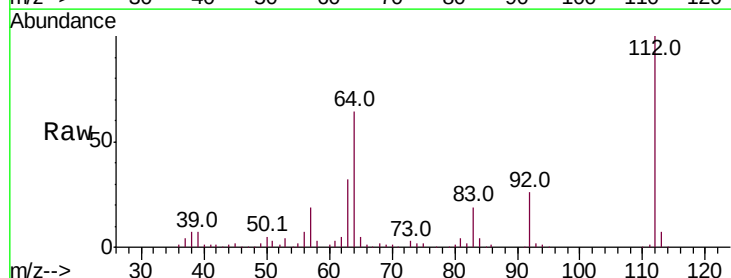
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 17.831 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF121808.D
Acq: 2 Oct 2020 22:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	50.4	75.6
63	31.9	25.8	38.6

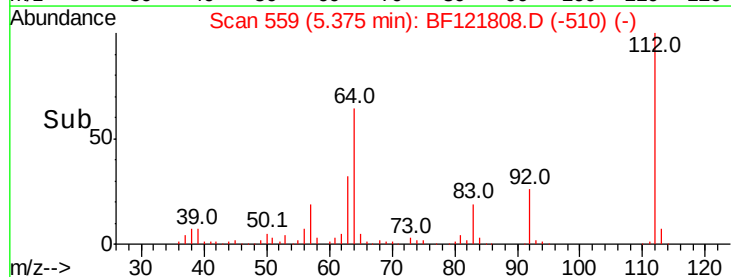
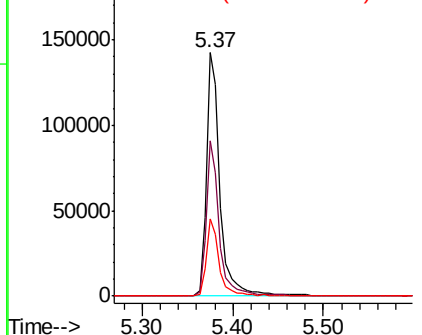


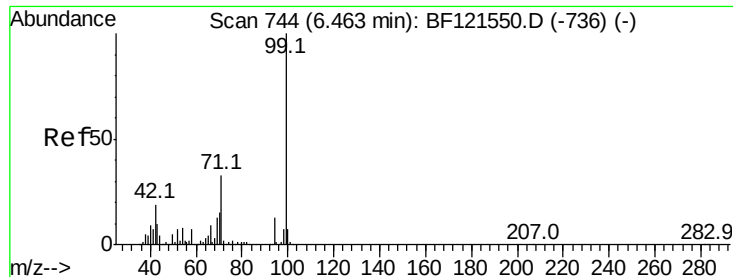
Abundance

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: 16.855 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.02 min

Lab File: BF121808.D

Acq: 2 Oct 2020 22:26

Instrument :

BNA_F

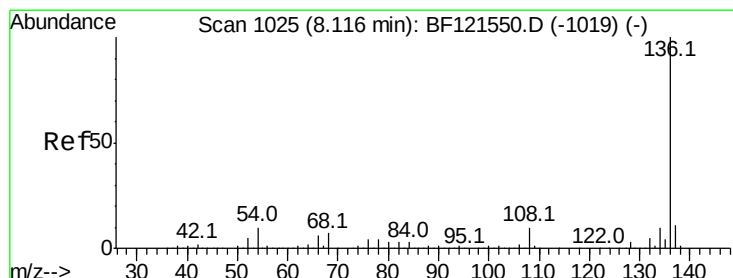
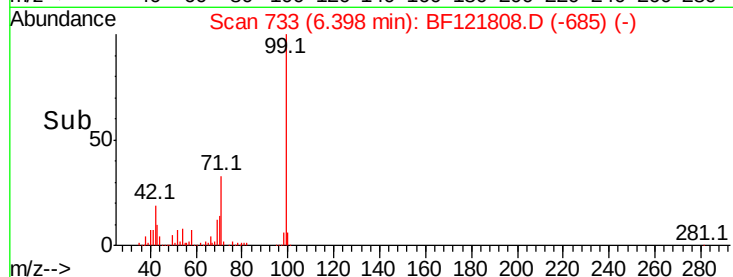
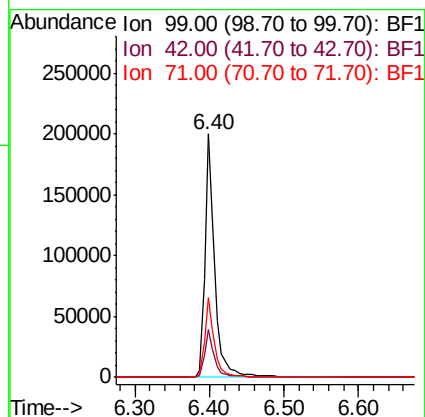
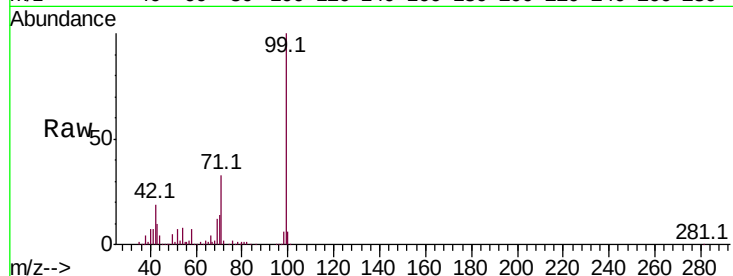
ClientSampled :

B-16(11-13)

Tot Ion:	99	Resp:	187757
Ion Ratio	Lower	Upper	
99	100		
42	19.4	15.9	23.9
71	32.6	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

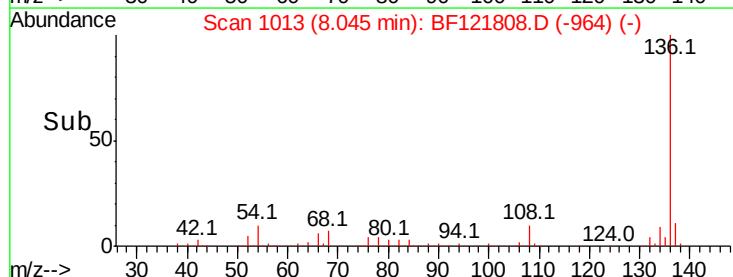
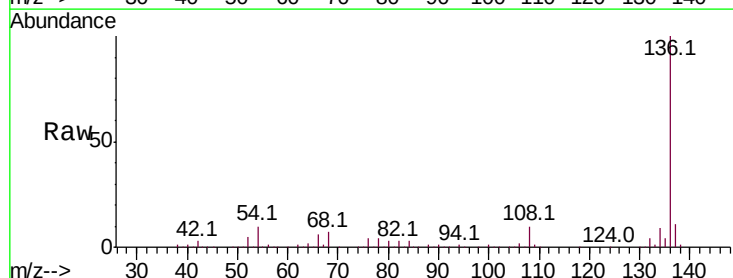
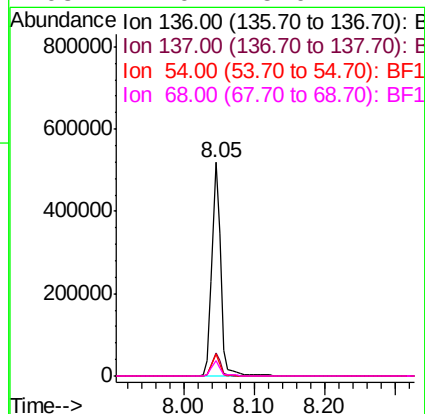
RT: 8.05 min Scan# 1013

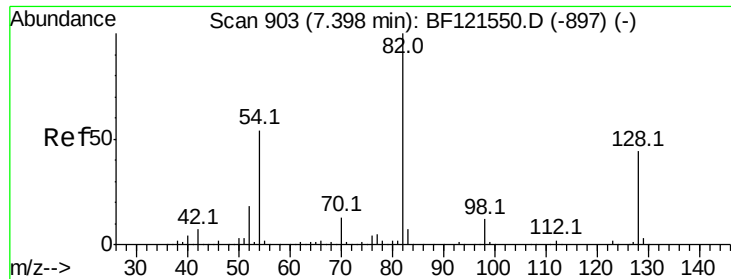
Delta R.T. -0.01 min

Lab File: BF121808.D

Acq: 2 Oct 2020 22:26

Tgt Ion:	136	Resp:	449228
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	13.0
54	10.0	7.1	10.7
68	7.0	5.0	7.4





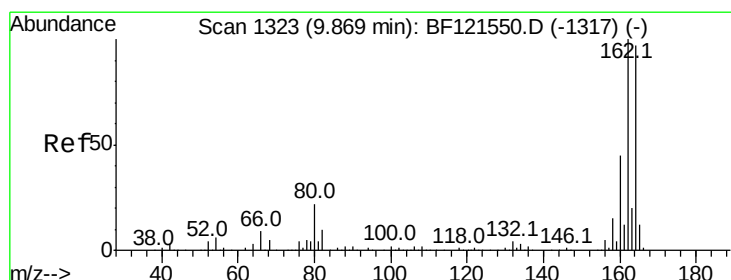
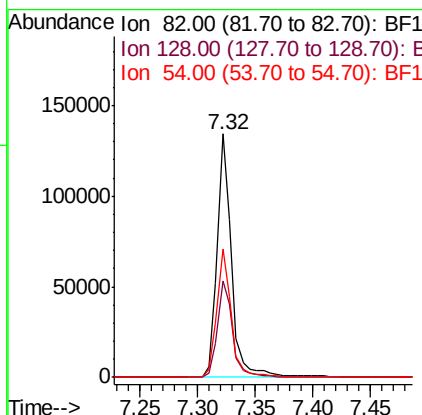
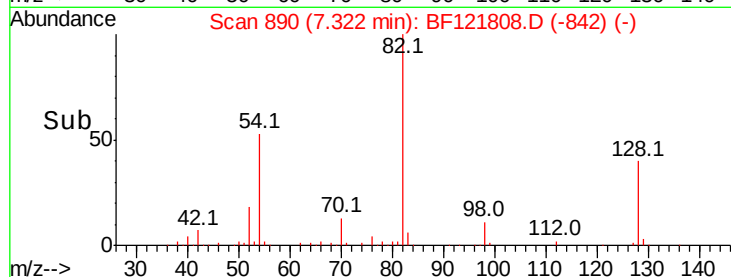
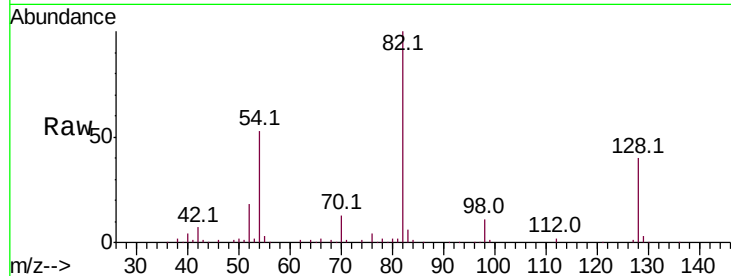
#23
Nitrobenzene-d5
Concen: 13.997 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.02 min
Lab File: BF121808.D
Acq: 2 Oct 2020 22:26

Instrument :
BNA_F
ClientSampled :
B-16(11-13)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	117107		
128	39.6	35.0	52.4	
54	52.8	43.9	65.9	

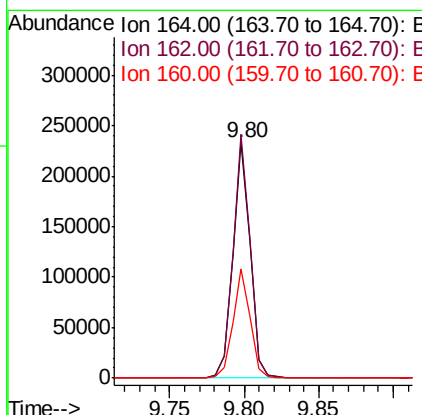
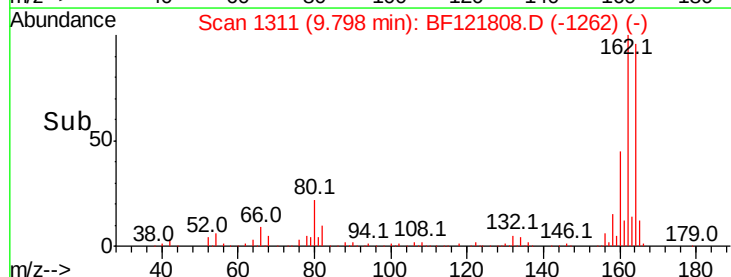
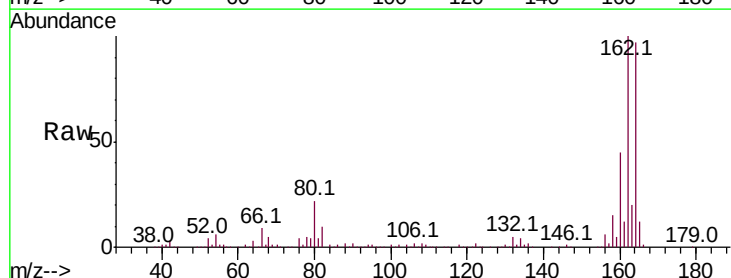
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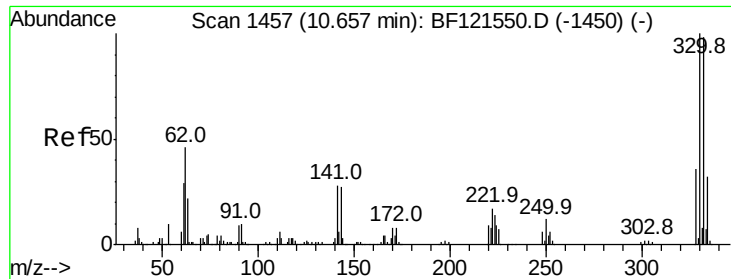
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121808.D
Acq: 2 Oct 2020 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	191756		
162	103.4	83.2	124.8	
160	46.3	37.5	56.3	





#42

2,4,6-Tribromophenol

Concen: 13.555 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.02 min

Lab File: BF121808.D

Acq: 2 Oct 2020 22:26

Instrument :

BNA_F

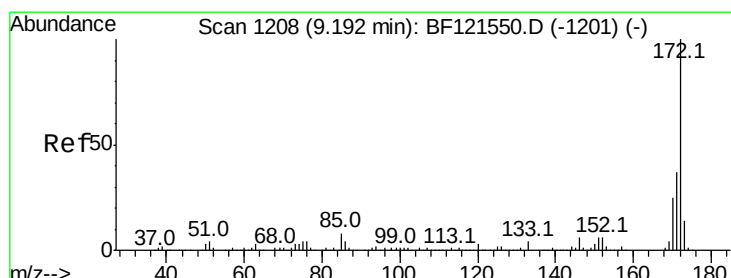
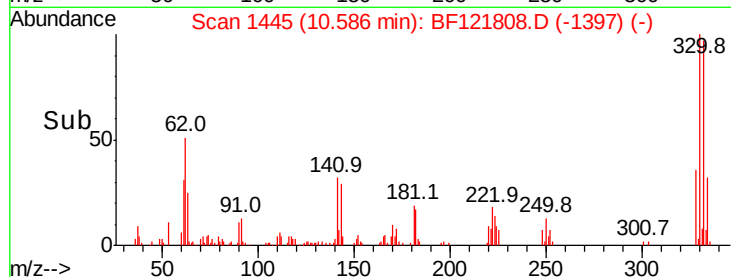
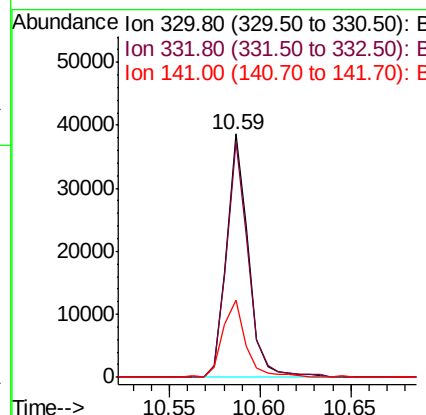
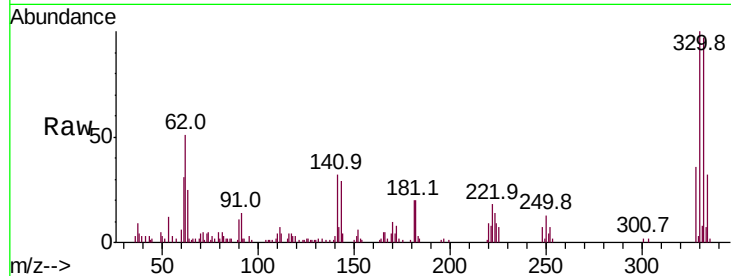
ClientSampled :

B-16(11-13)

Tot Ion:	330	Resp:	32306
Ion Ratio	Lower	Upper	
330	100		
332	96.7	77.3	115.9
141	33.8	22.3	33.5#

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#45

2-Fluorobiphenyl

Concen: 15.593 ng

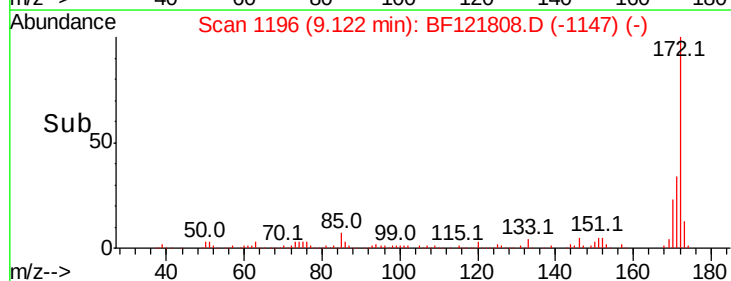
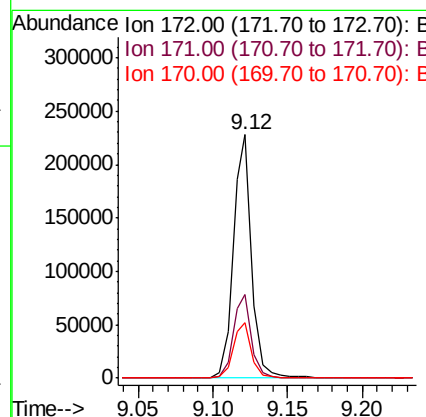
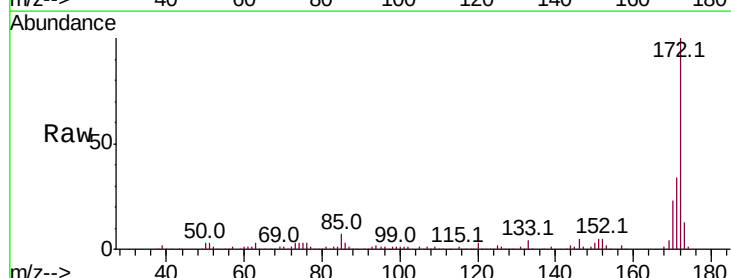
RT: 9.12 min Scan# 1196

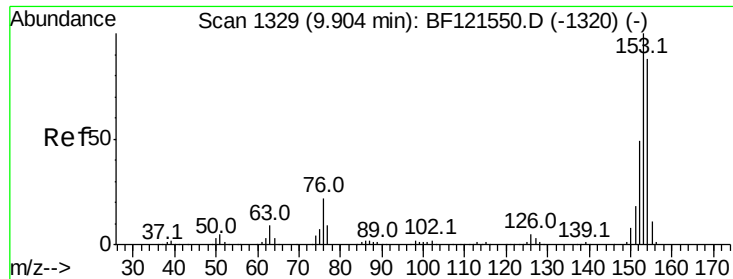
Delta R.T. -0.01 min

Lab File: BF121808.D

Acq: 2 Oct 2020 22:26

Tgt Ion:	172	Resp:	197419
Ion Ratio	Lower	Upper	
172	100		
171	34.4	29.1	43.7
170	22.9	19.8	29.6





#52

Acenaphthene

Concen: 2.240 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.02 min

Lab File: BF121808.D

Acq: 2 Oct 2020 22:26

Instrument :

BNA_F

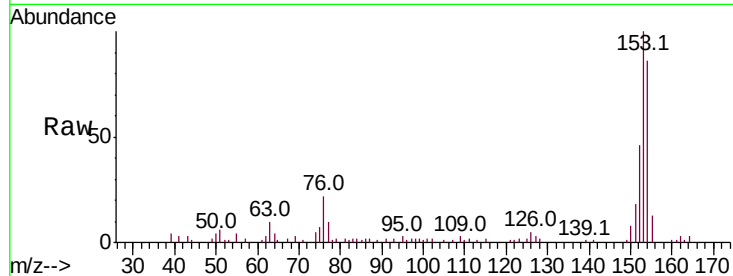
ClientSampleId :

B-16(11-13)

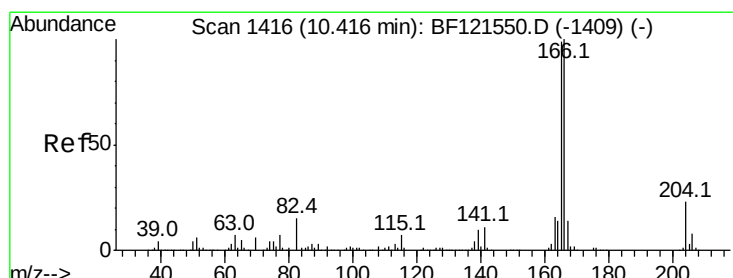
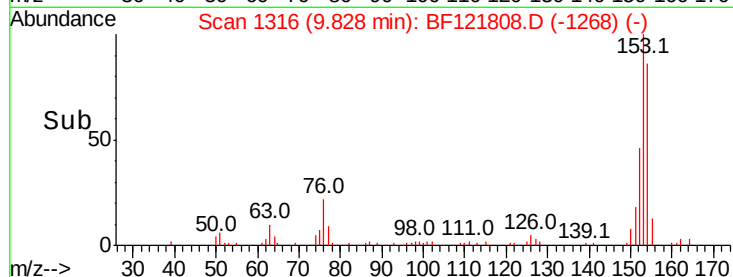
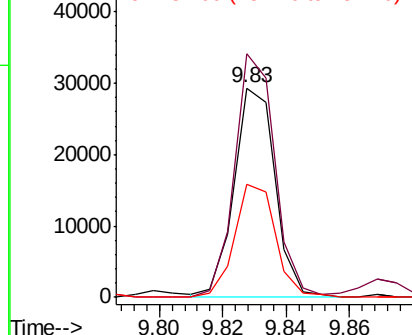
Tot Ion:	154	Resp:	26300
Ion Ratio	Lower	Upper	
154	100		
153	116.2	89.8	134.8
152	53.9	43.2	64.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 2.449 ng

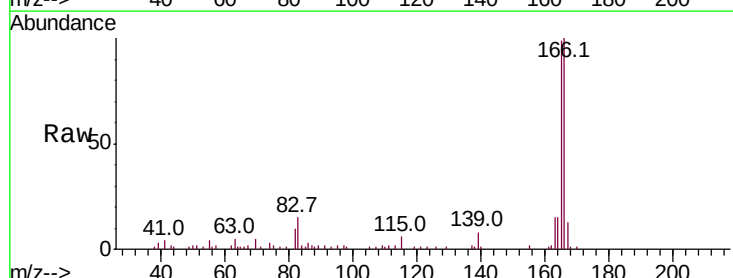
RT: 10.35 min Scan# 1404

Delta R.T. -0.01 min

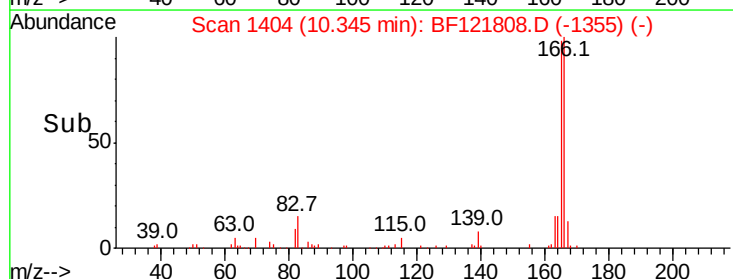
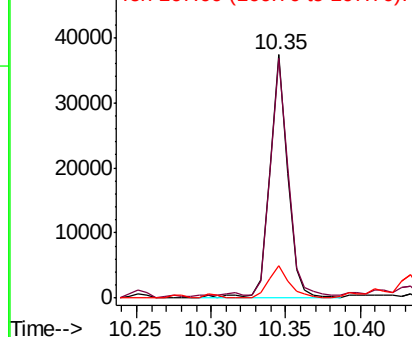
Lab File: BF121808.D

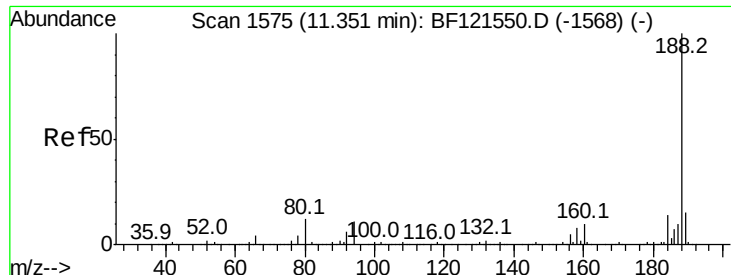
Acq: 2 Oct 2020 22:26

Tgt Ion:	166	Resp:	30968
Ion Ratio	Lower	Upper	
166	100		
165	98.6	79.1	118.7
167	13.4	11.0	16.6



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





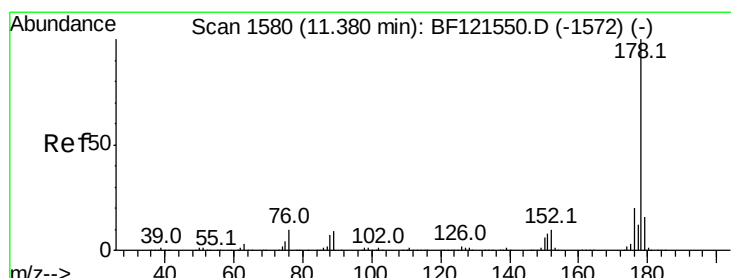
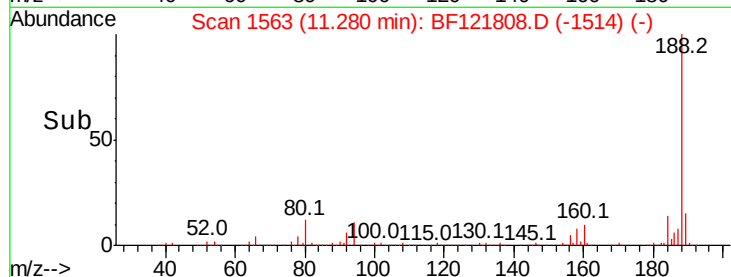
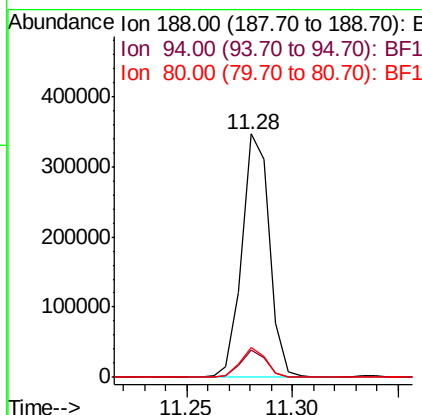
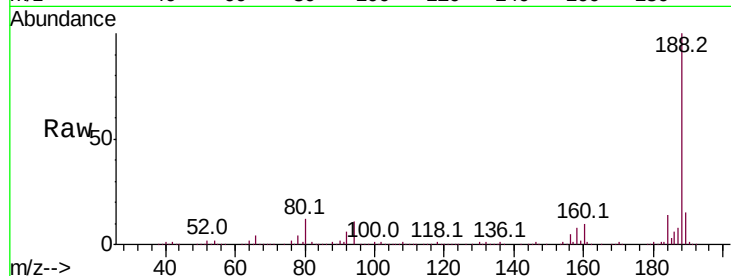
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF121808.D
Acq: 2 Oct 2020 22:26

Instrument :
BNA_F
ClientSampleId :
B-16(11-13)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.4	8.3	12.5
80	12.1	9.1	13.7

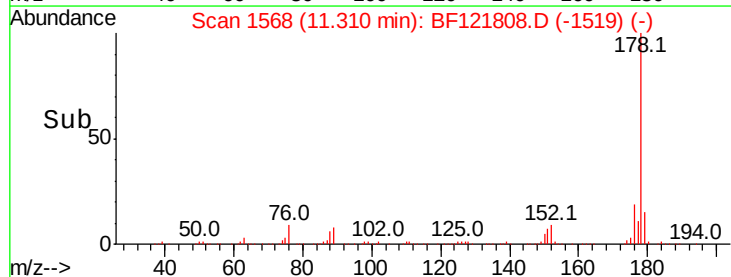
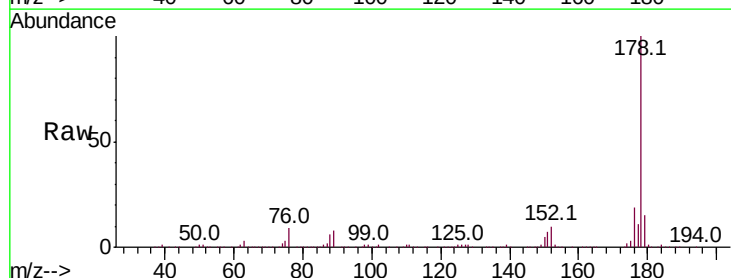
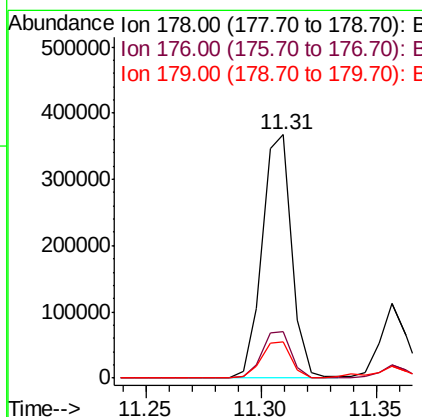
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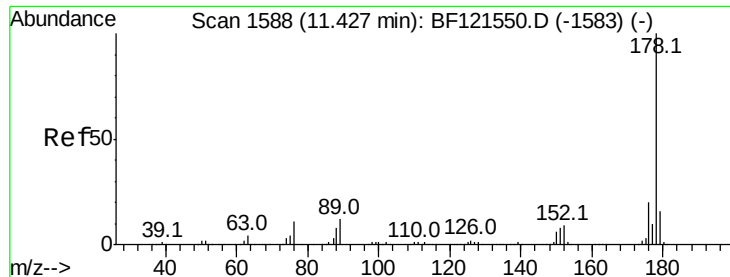
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#71
Phenanthrene
Concen: 19.347 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF121808.D
Acq: 2 Oct 2020 22:26

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	15.9	23.9
179	14.8	12.2	18.4





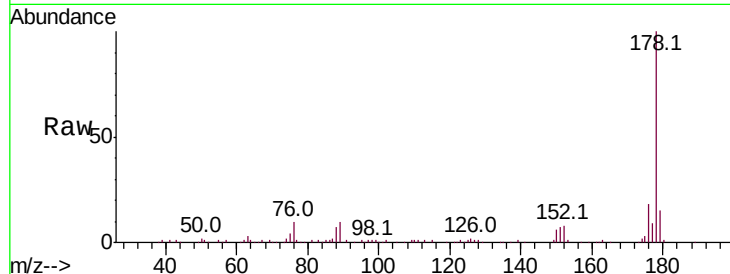
#72
 Anthracene
 Concen: 5.014 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF121808.D
 Acq: 2 Oct 2020 22:26

Instrument :
 BNA_F
 ClientSampled :
 B-16(11-13)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.7	23.5
179	15.4	12.7	19.1

Manual Integrations
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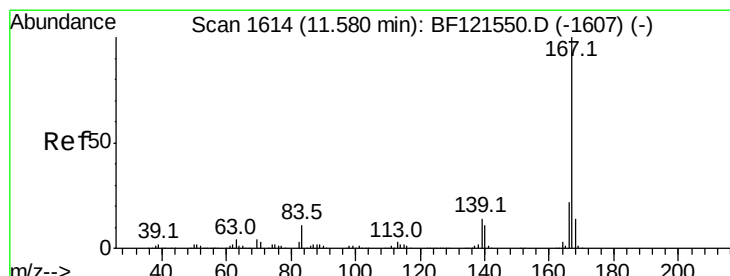
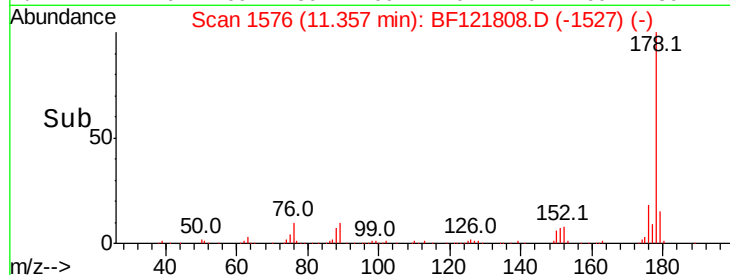
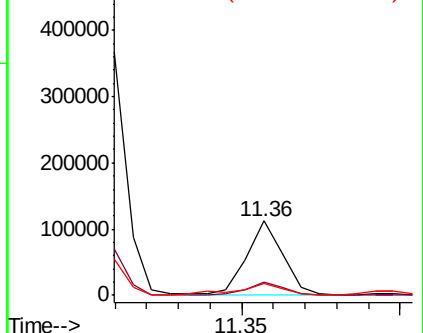


Abundance

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



#73
 Carbazole
 Concen: 2.341 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: BF121808.D
 Acq: 2 Oct 2020 22:26

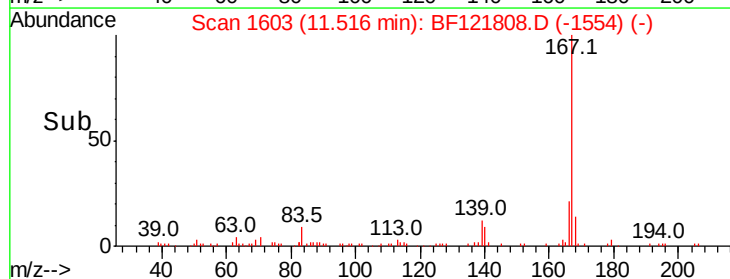
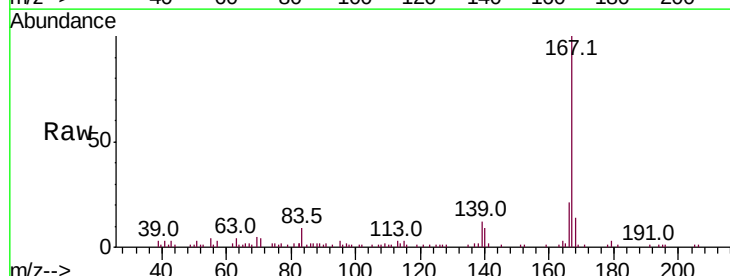
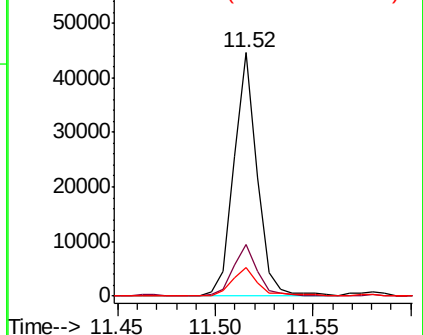
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.8	26.6
139	11.8	10.8	16.2

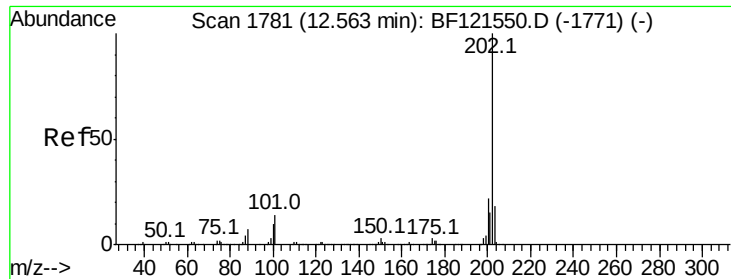
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





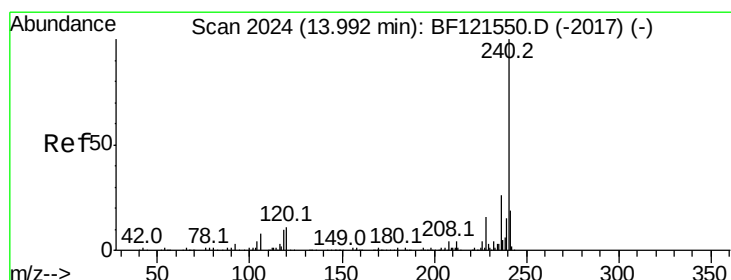
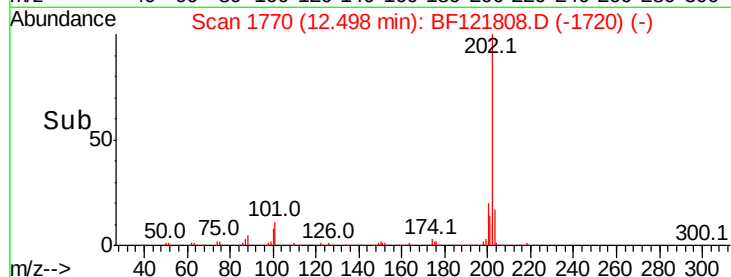
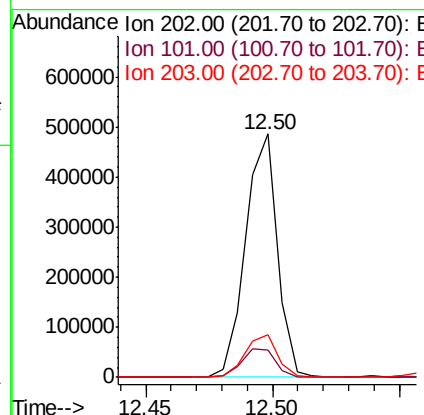
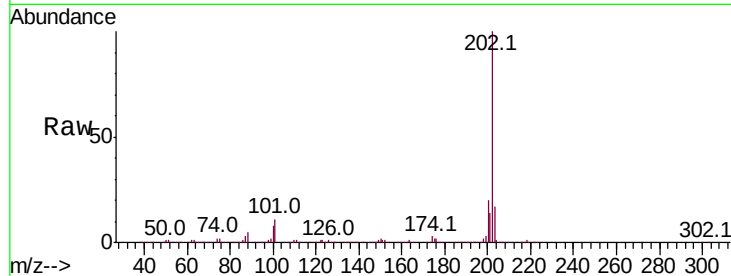
#75
Fluoranthene
Concen: 23.369 ng
RT: 12.50 min Scan# 1770
Delta R.T. -0.01 min
Lab File: BF121808.D
Acq: 2 Oct 2020 22:26

Instrument :
BNA_F
ClientSampleId :
B-16(11-13)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.0	0.0	33.4
203	17.4	0.0	37.9

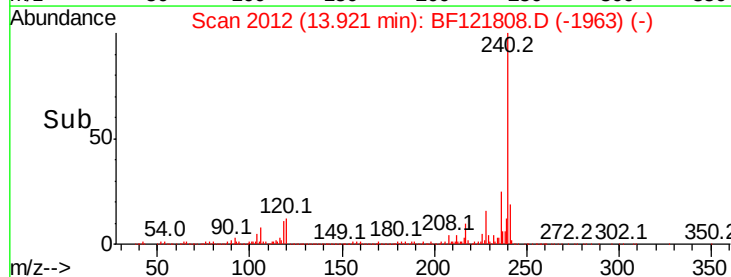
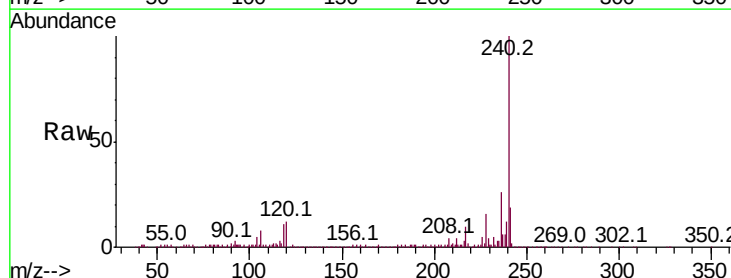
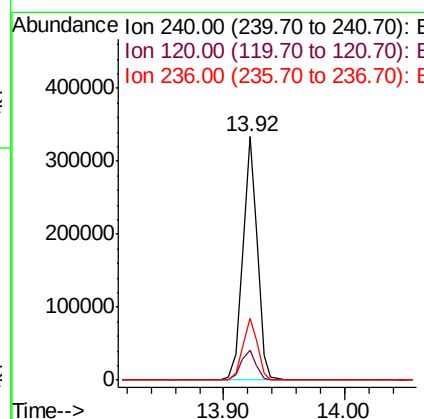
Manual Integrations
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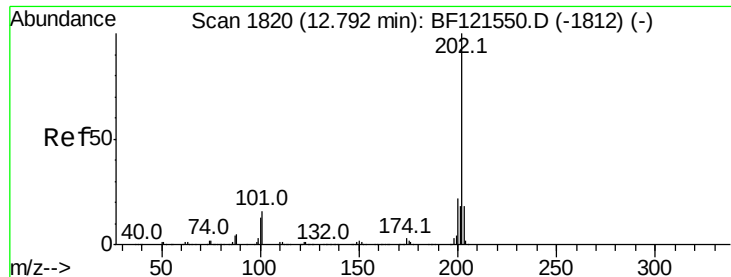
mohammad
10/5/2020 10:28:00 AM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF121808.D
Acq: 2 Oct 2020 22:26

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.0	9.2	13.8
236	25.5	20.9	31.3





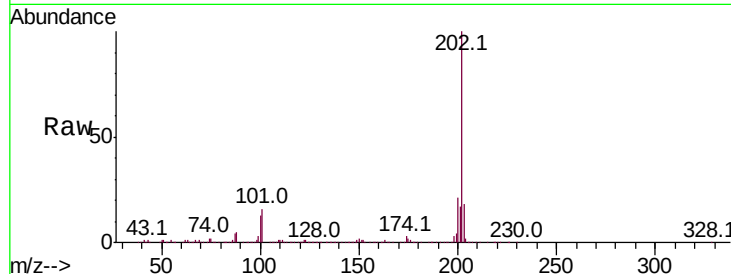
#78
Pvrene
Concen: 17.303 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF121808.D
Acq: 2 Oct 2020 22:26

Instrument :
BNA_F
ClientSampleId :
B-16(11-13)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	17.4	26.2
203	18.3	14.6	21.8

Manual Integrations
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mohammad
10/5/2020 10:28:00 AM

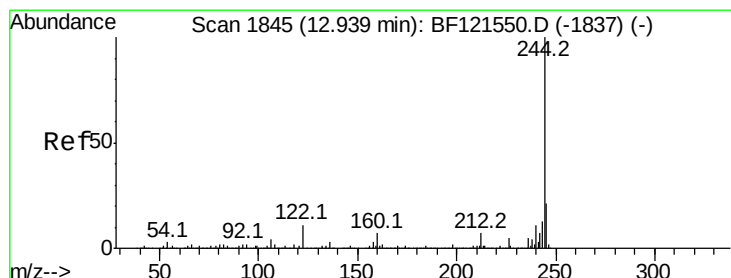
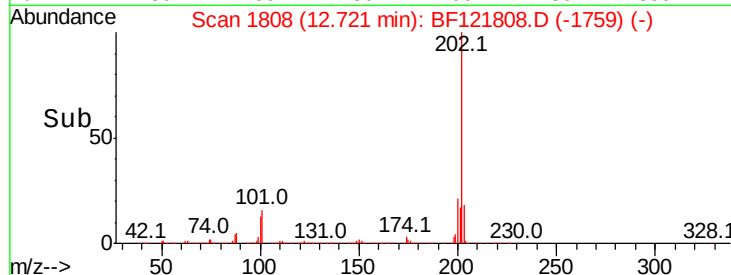
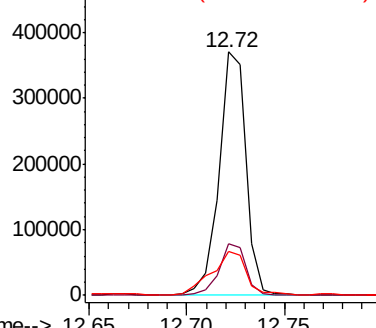


Abundance

Ion 202.00 (201.70 to 202.70): E

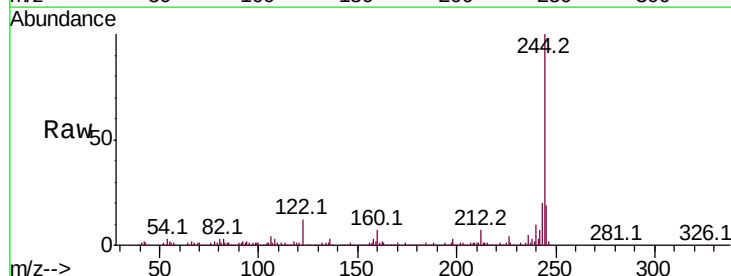
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 11.365 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BF121808.D
Acq: 2 Oct 2020 22:26

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	5.4	8.2
122	12.4	8.1	12.1#

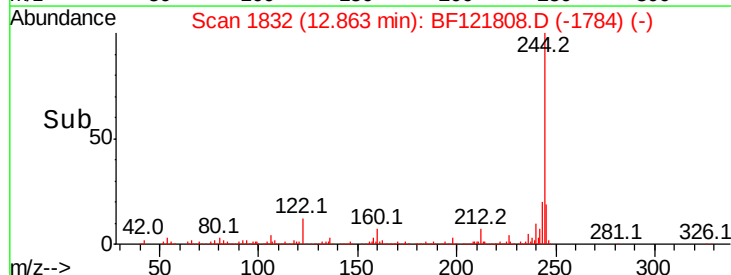
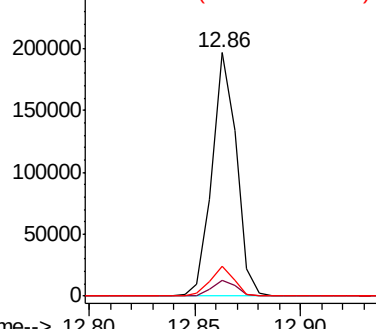


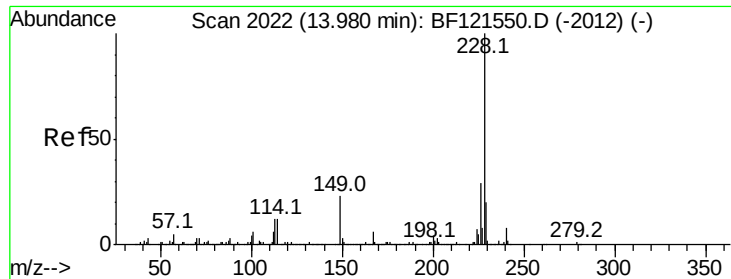
Abundance

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





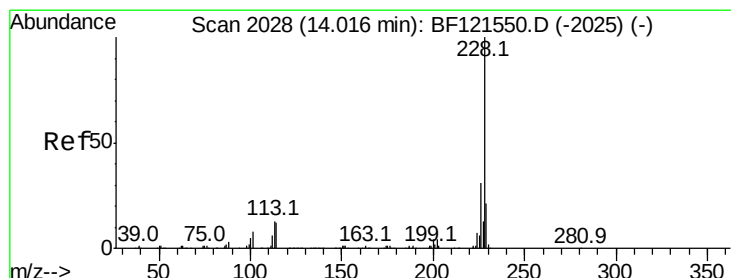
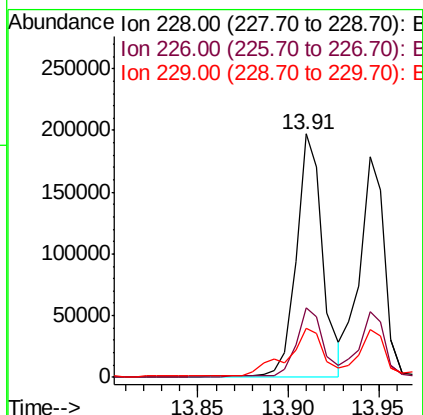
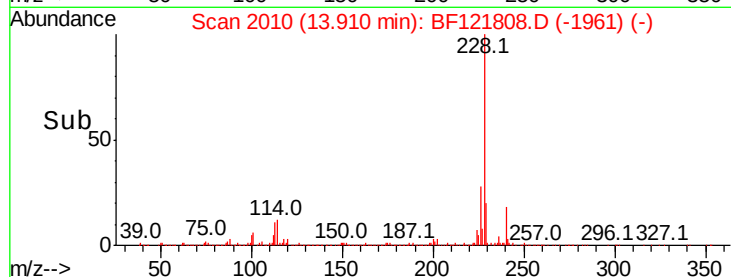
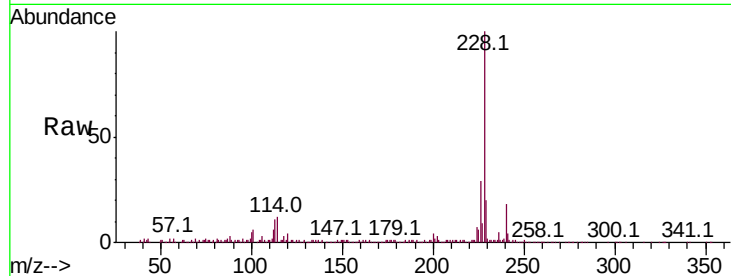
#81
Benzo(a)anthracene
Concen: 11.388 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF121808.D
Acq: 2 Oct 2020 22:26

Instrument :
BNA_F
ClientSampled :
B-16(11-13)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.3	33.5
229	20.3	16.2	24.4

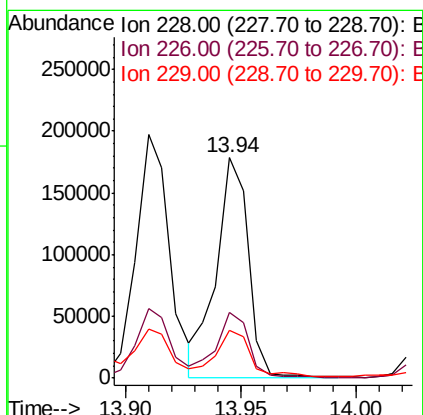
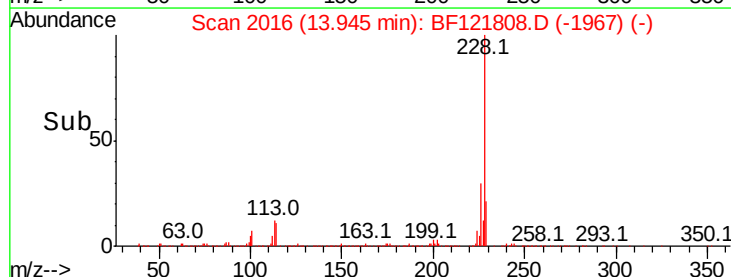
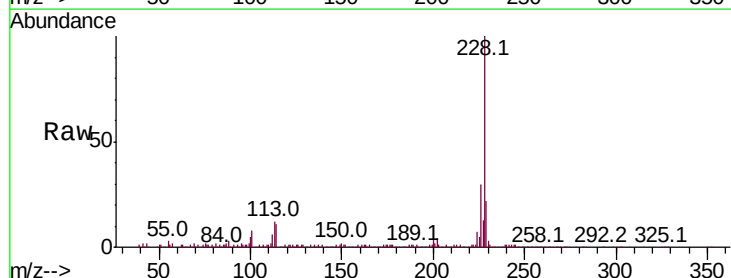
Manual Integrations
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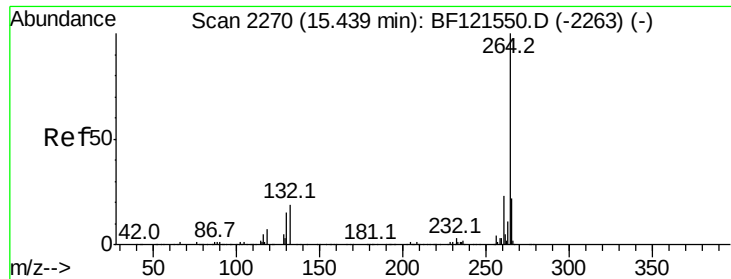
mohammad
10/5/2020 10:28:00 AM



#83
Chrysene
Concen: 9.541 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121808.D
Acq: 2 Oct 2020 22:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.6	37.0
229	21.9	15.9	23.9





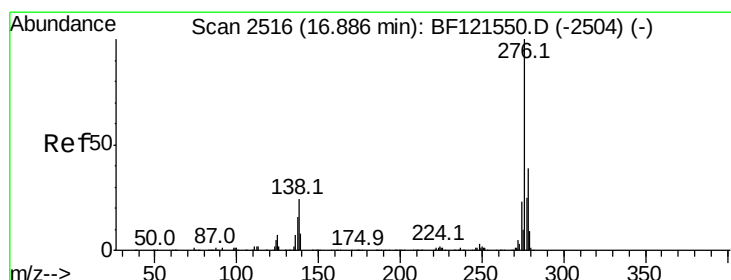
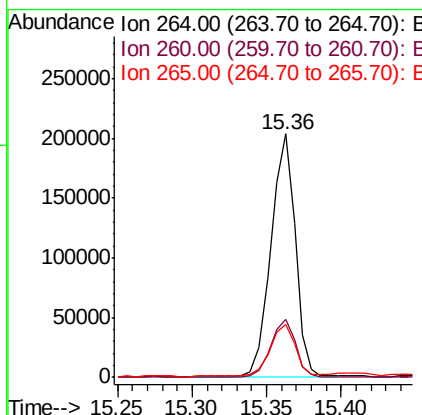
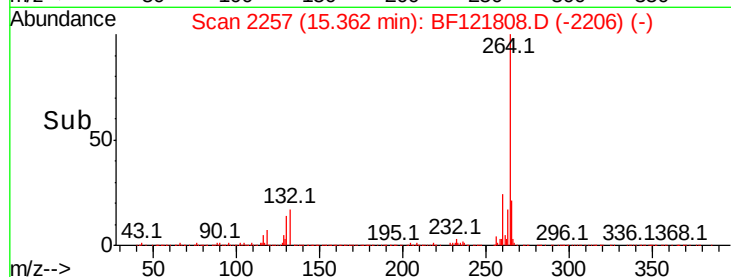
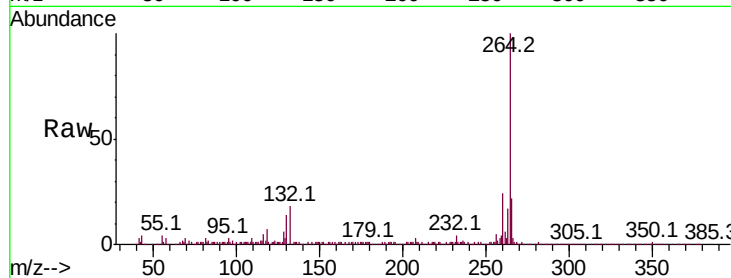
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF121808.D
Acq: 2 Oct 2020 22:26

Instrument :
BNA_F
ClientSampled :
B-16(11-13)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	21.7	17.3	25.9

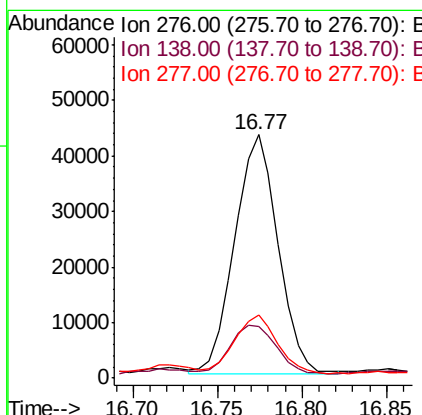
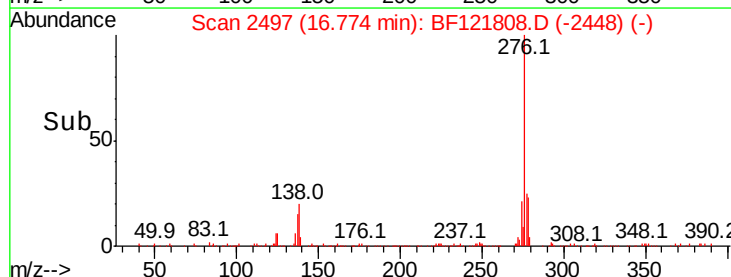
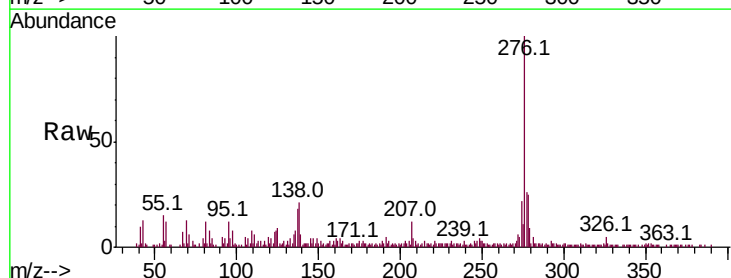
Manual Integrations
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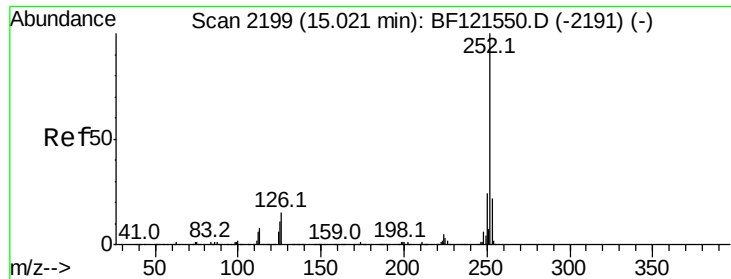
mohammad
10/5/2020 10:28:00 AM



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.139 ng
RT: 16.77 min Scan# 2497
Delta R.T. -0.01 min
Lab File: BF121808.D
Acq: 2 Oct 2020 22:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.6	19.9	29.9
277	23.9	20.4	30.6





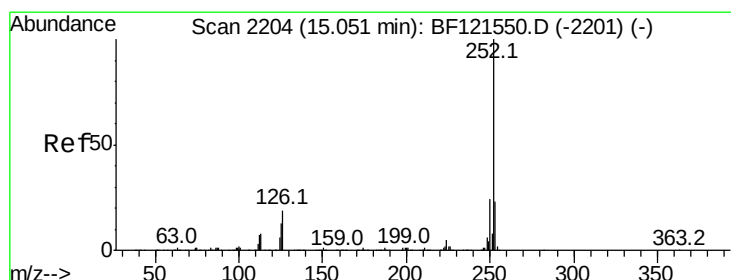
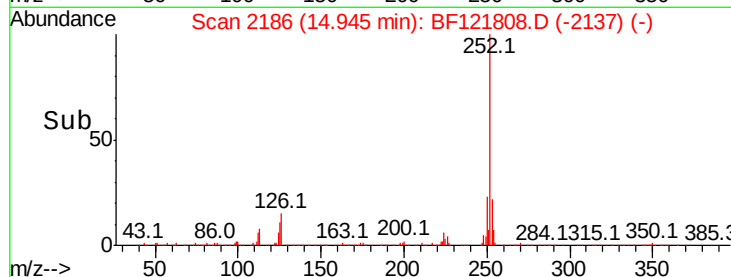
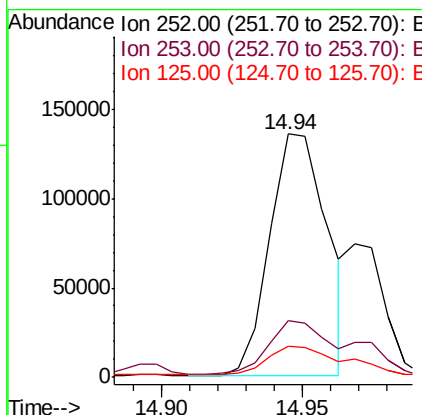
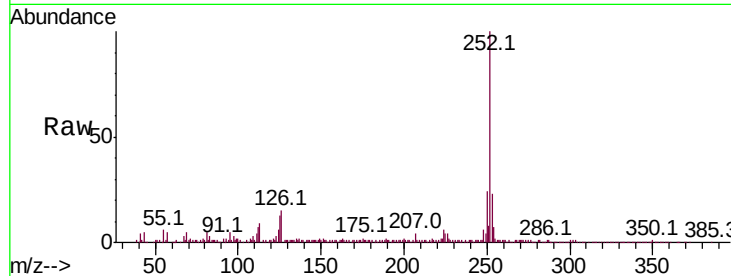
#88
Benzo(b)fluoranthene
Concen: 12.533 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF121808.D
Acq: 2 Oct 2020 22:26

Instrument :
BNA_F
ClientSampleId :
B-16(11-13)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	12.6	8.0	12.0

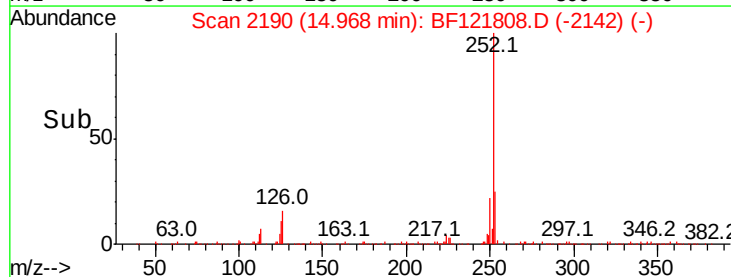
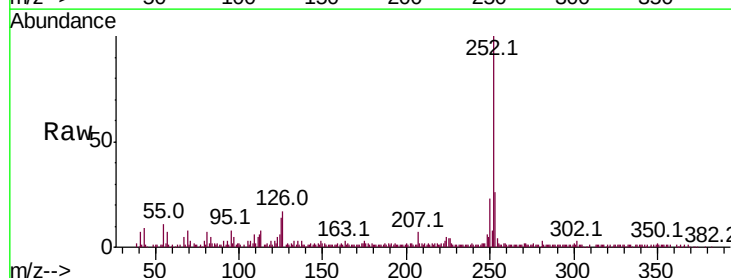
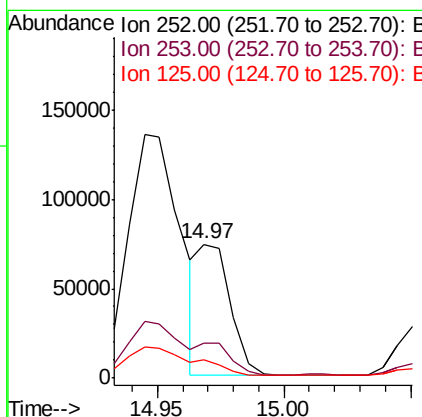
Manual Integrations
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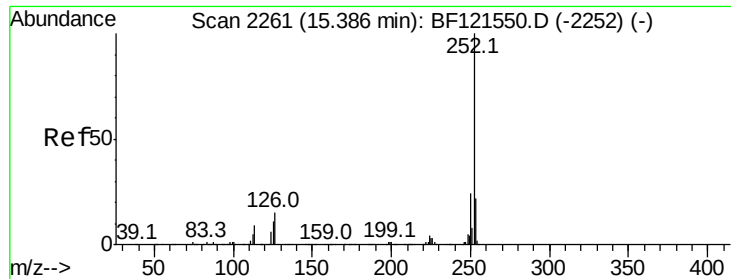
mohammad
10/5/2020 10:28:00 AM



#89
Benzo(k)fluoranthene
Concen: 4.669 ng m
RT: 14.97 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF121808.D
Acq: 2 Oct 2020 22:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.8	26.6
125	13.6	7.7	11.5





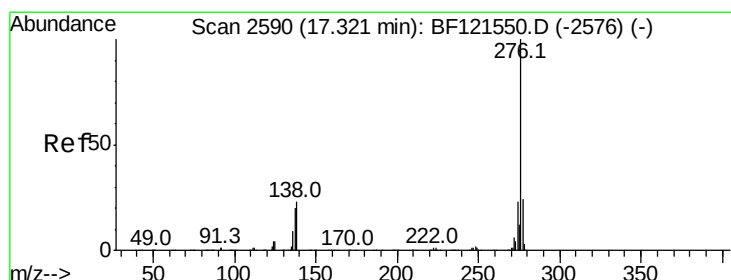
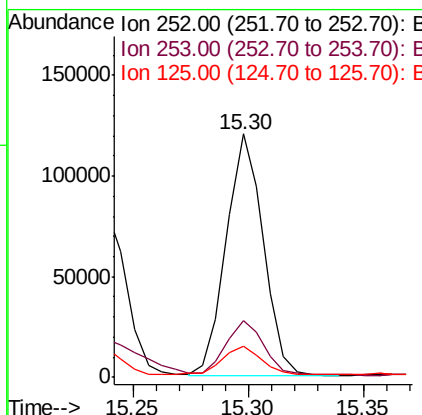
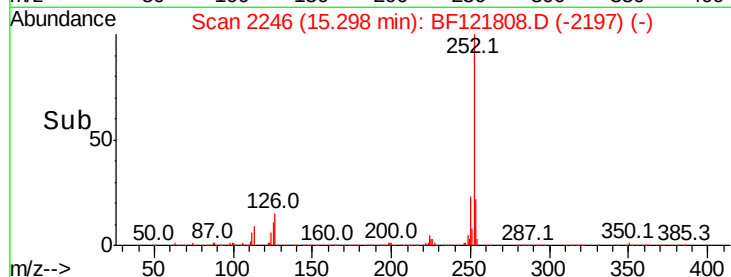
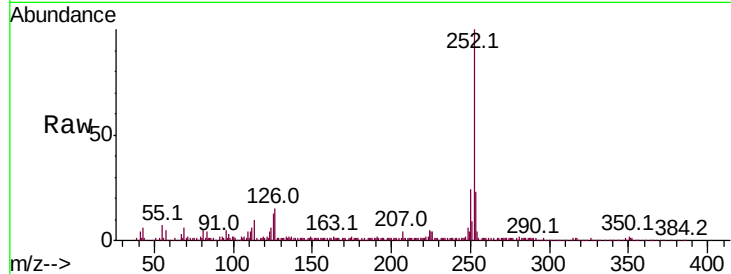
#90
Benzo(a)pyrene
Concen: 10.294 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF121808.D
Acq: 2 Oct 2020 22:26

Instrument :
BNA_F
ClientSampleId :
B-16(11-13)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	12.9	8.6	13.0

Manual Integrations
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10/5/2020 10:28:00 AM



#92
Benzo(g,h,i)perylene
Concen: 5.927 ng
RT: 17.20 min Scan# 2569
Delta R.T. -0.01 min
Lab File: BF121808.D
Acq: 2 Oct 2020 22:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.2
138	22.6	17.8	26.6

