

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
 Data File : BF121730.D
 Acq On : 29 Sep 2020 14:44
 Operator : JU/CG
 Sample : L4154-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-1(1-2)

Manual Integrations
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mohammad
 10/1/2020 11:45:12 AM

Quant Time: Sep 29 15:28:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 11:12:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	151864	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	468883	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	223128	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	358148	20.00	ng	0.01
76) Chrysene-d12	13.95	240	321997	20.00	ng	0.00
86) Perylene-d12	15.39	264	244228	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	812202	79.48	ng	0.00
7) Phenol-d6	6.42	99	1020363	76.11	ng	0.00
23) Nitrobenzene-d5	7.35	82	690977	79.12	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	223945	80.75	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1028050	69.78	ng	0.00
79) Terphenyl-d14	12.90	244	944130	59.40	ng	0.00

Target Compounds				Qvalue		
37) 2-Methylnaphthalene	8.79	142	95300	5.875	ng	98
38) 1-Methylnaphthalene	8.89	142	90303	5.982	ng	# 96
49) Acenaphthylene	9.69	152	49216	2.276	ng	# 54
50) Dimethylphthalate	9.54	163	88244	5.457	ng	# 66
58) Fluorene	10.38	166	37224	2.530	ng	# 76
71) Phenanthrene	11.35	178	206603	10.588	ng	# 94
72) Anthracene	11.39	178	54411	2.702	ng	# 76
75) Fluoranthene	12.53	202	313840	15.066	ng	98
78) Pyrene	12.76	202	344455	14.641	ng	99
81) Benzo(a)anthracene	13.94	228	168648m	8.279	ng	
83) Chrysene	13.97	228	173075	8.390	ng	95
87) Indeno(1,2,3-cd)pyrene	16.82	276	87271	5.487	ng	95
88) Benzo(b)fluoranthene	14.97	252	196943m	12.062	ng	
89) Benzo(k)fluoranthene	15.00	252	60699m	4.060	ng	
90) Benzo(a)pyrene	15.33	252	120534	8.685	ng	# 91
92) Benzo(g,h,i)perylene	17.24	276	88669	6.813	ng	95

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

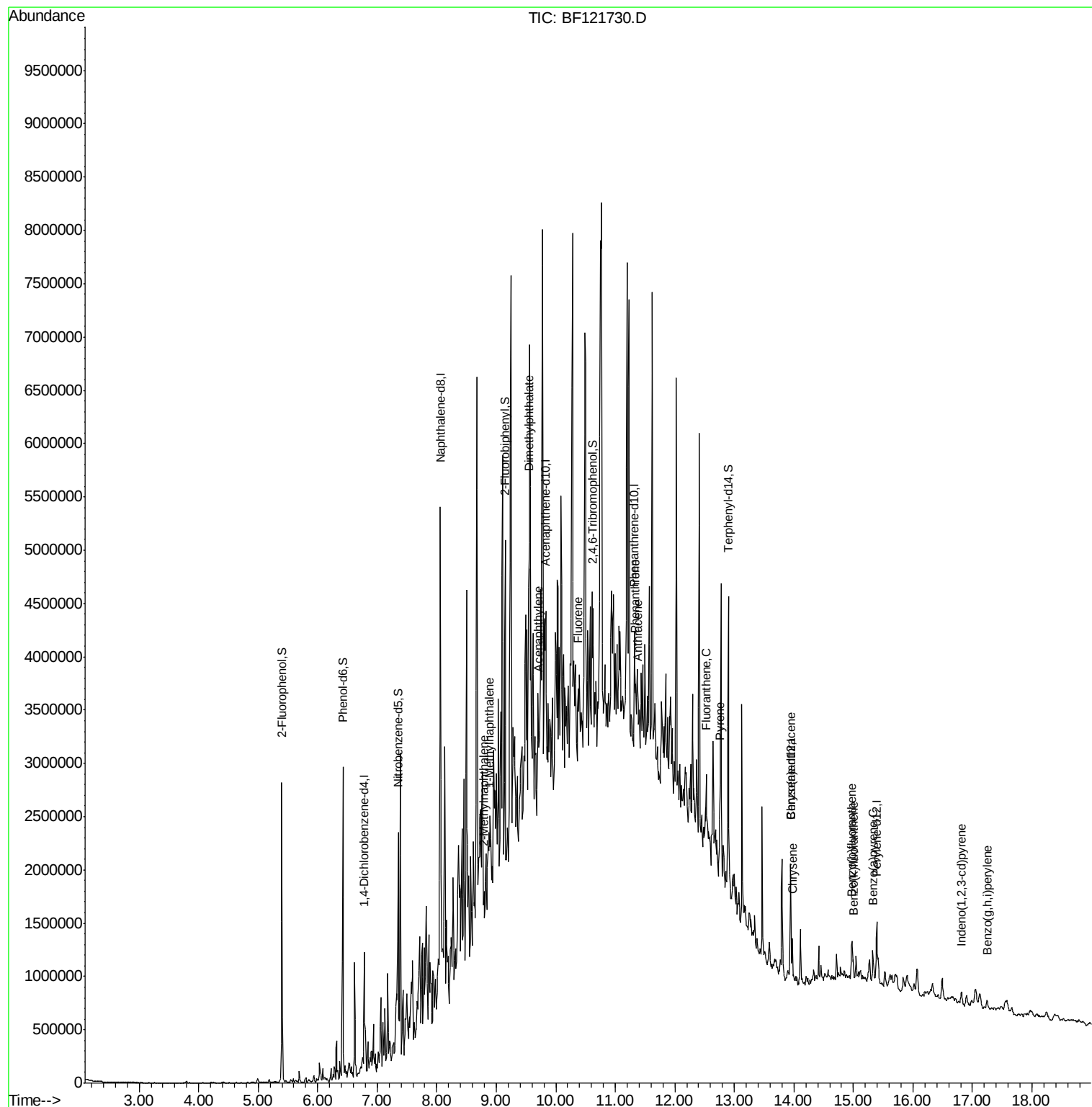
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121730.D
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Operator : JU/CG
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

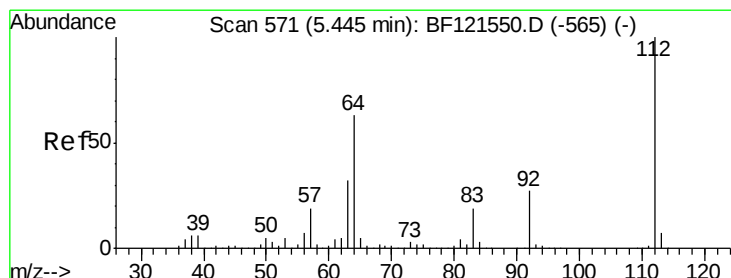
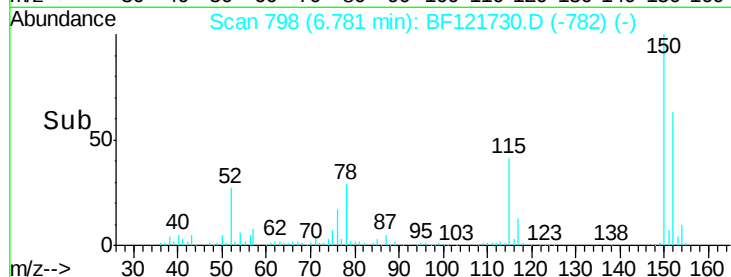
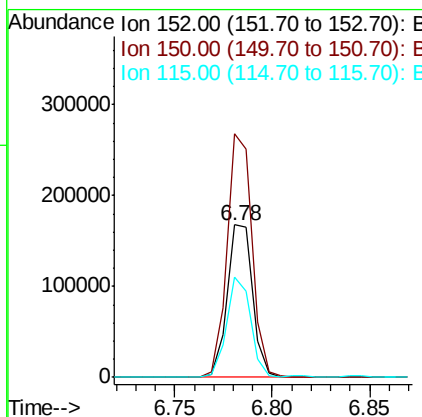
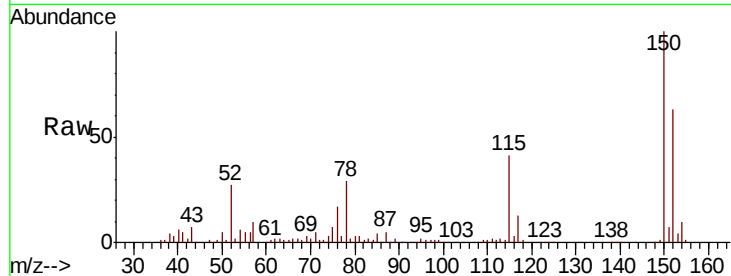
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF121730.D
Acq: 29 Sep 2020 14:44

Instrument :
BNA_F
ClientSampleId :
B-1(1-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	125.8	188.8
115	66.1	49.6	74.4

Manual Integrations
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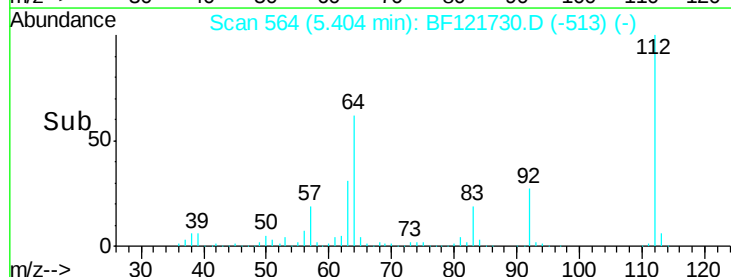
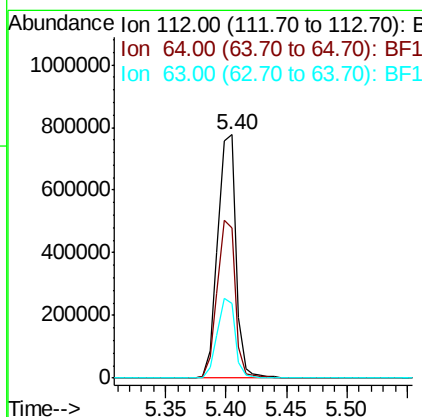
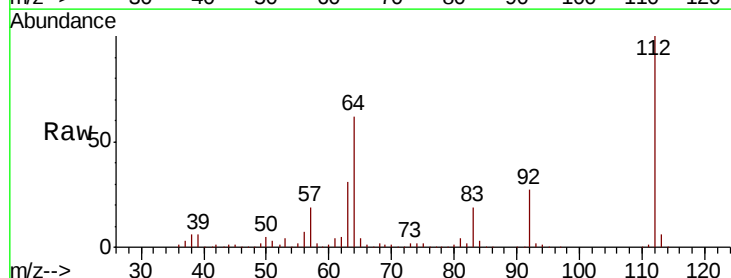
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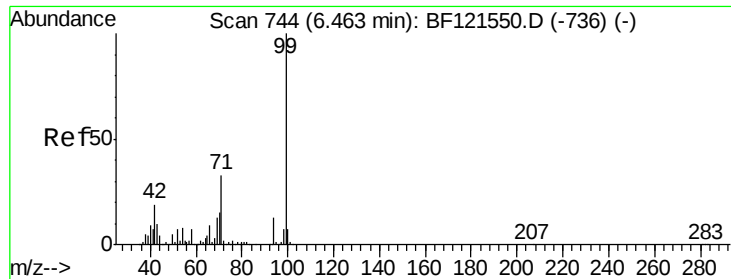


#5

2-Fluorophenol
Concen: 79.481 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF121730.D
Acq: 29 Sep 2020 14:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	51.2	76.8
63	30.5	25.9	38.9





#7

Phenol-d6

Concen: 76.110 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF121730.D

Acq: 29 Sep 2020 14:44

Instrument :

BNA_F

ClientSampled :

B-1(1-2)

Tot Ion: 99 Resp: 1020363

Ion Ratio Lower Upper

99 100

42 20.4 16.5 24.7

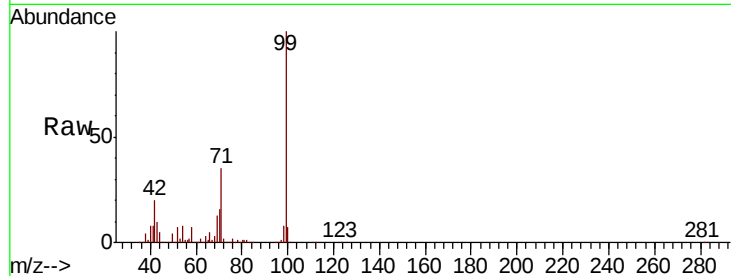
71 35.0 27.8 41.6

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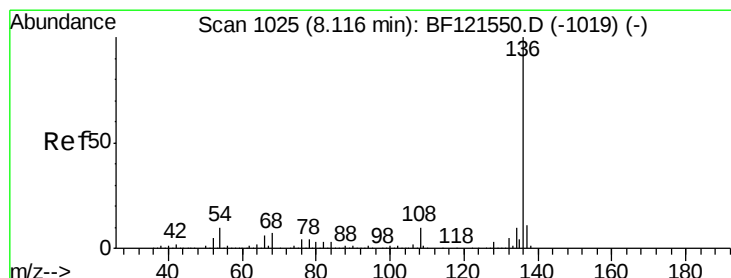
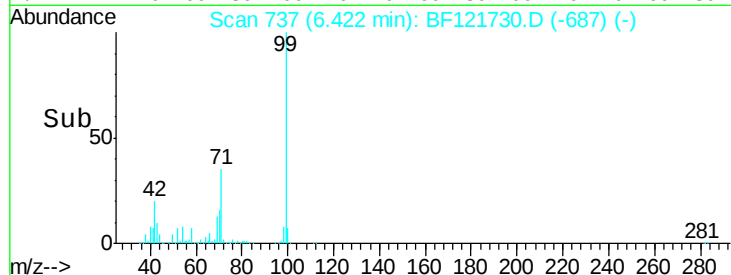
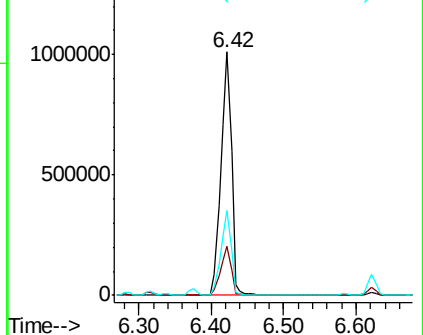
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF121730.D

Acq: 29 Sep 2020 14:44

Tgt Ion: 136 Resp: 468883

Ion Ratio Lower Upper

136 100

137 11.9 9.1 13.7

54 11.7 7.8 11.8

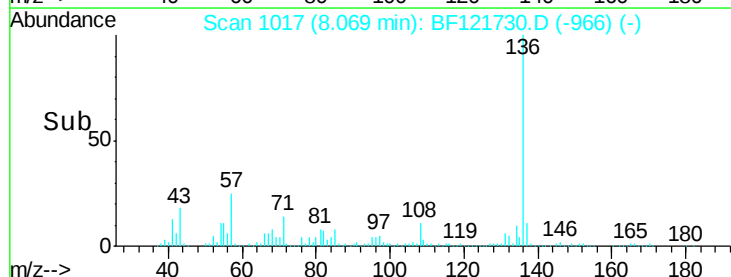
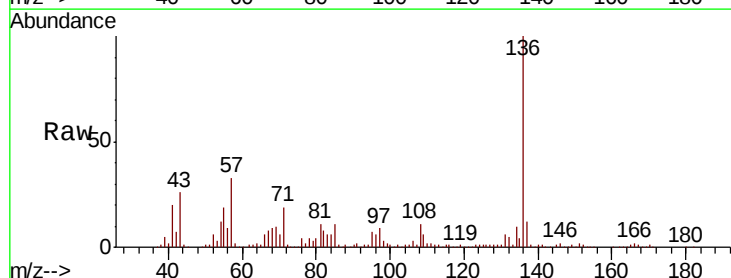
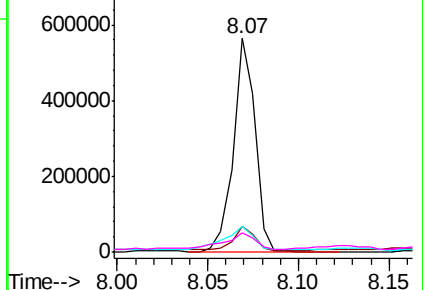
68 9.1 5.6 8.4#

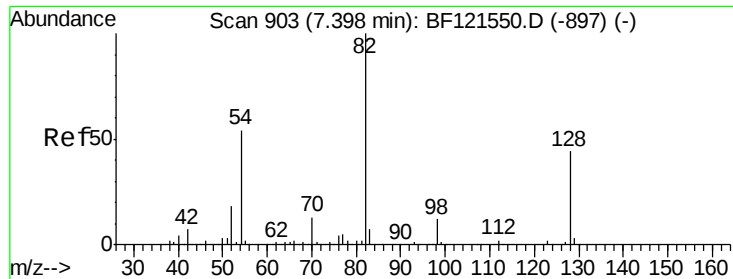
Abundance Ion 136.00 (135.70 to 136.70): E

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





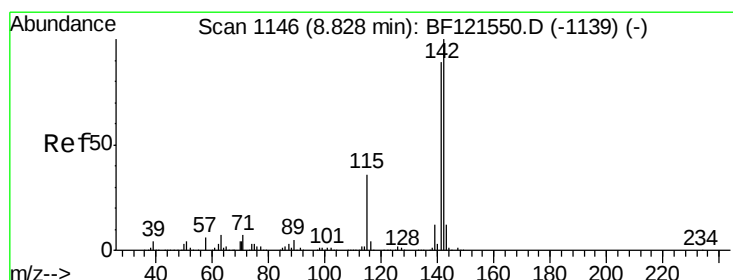
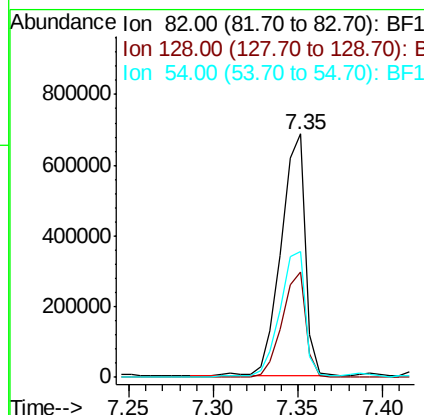
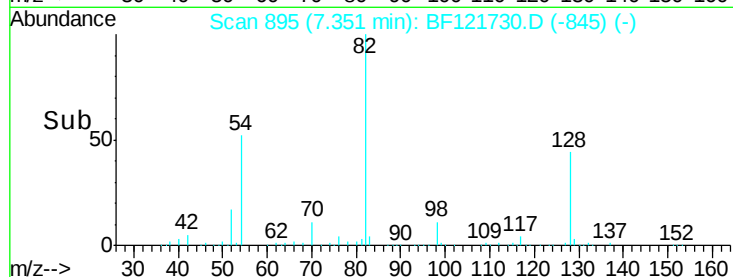
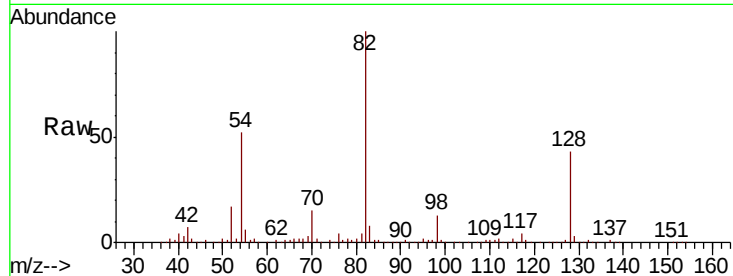
#23
Nitrobenzene-d5
Concen: 79.124 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF121730.D
Acq: 29 Sep 2020 14:44

Instrument :
BNA_F
ClientSampled :
B-1(1-2)

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.2	35.0	52.4
54	51.7	42.5	63.7

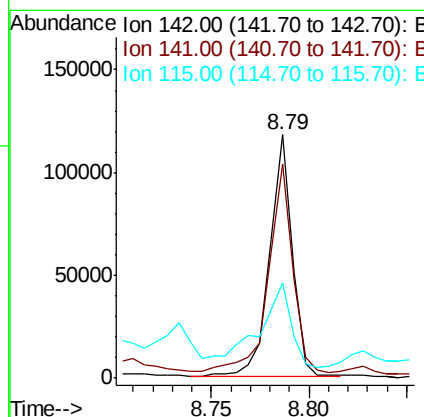
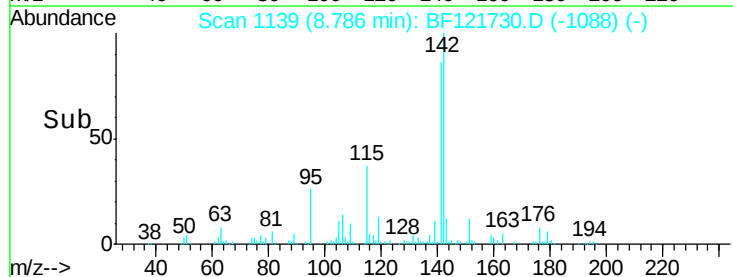
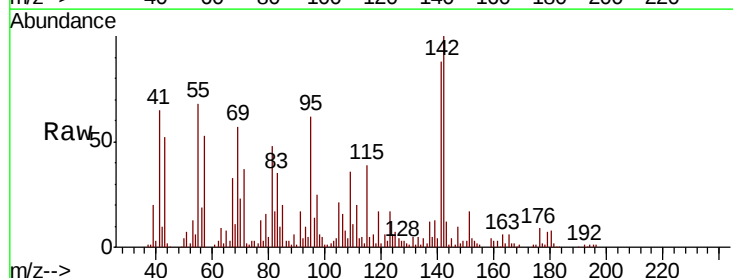
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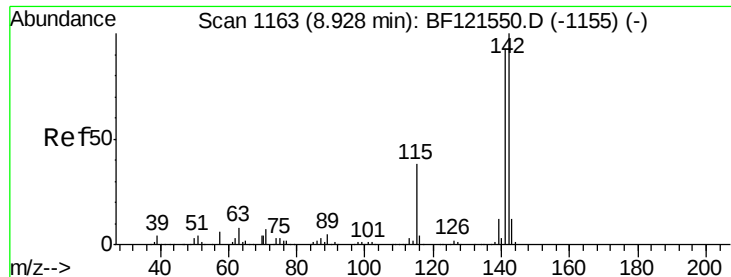
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#37
2-Methylnaphthalene
Concen: 5.875 ng
RT: 8.79 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BF121730.D
Acq: 29 Sep 2020 14:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.1	105.1
115	38.8	28.0	42.0





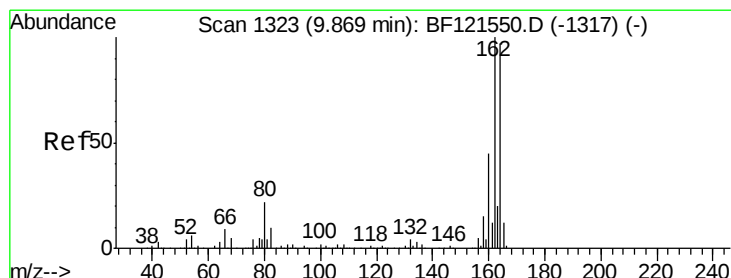
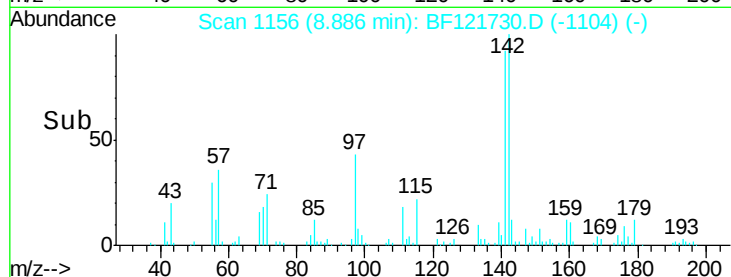
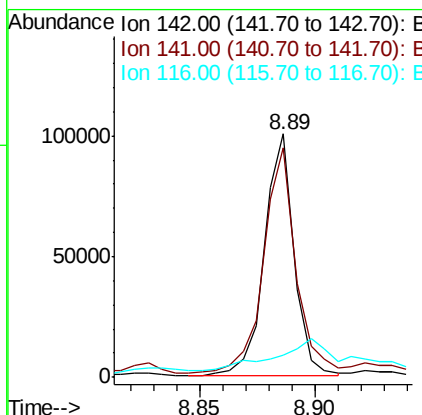
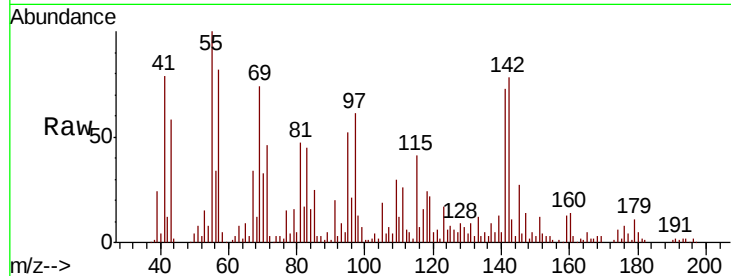
#38
1-Methylnaphthalene
Concen: 5.982 ng
RT: 8.89 min Scan# 1156
Delta R.T. 0.01 min
Lab File: BF121730.D
Acq: 29 Sep 2020 14:44

Instrument :
BNA_F
ClientSampled :
B-1(1-2)

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.3	73.2	109.8
116	9.4	3.2	4.8#

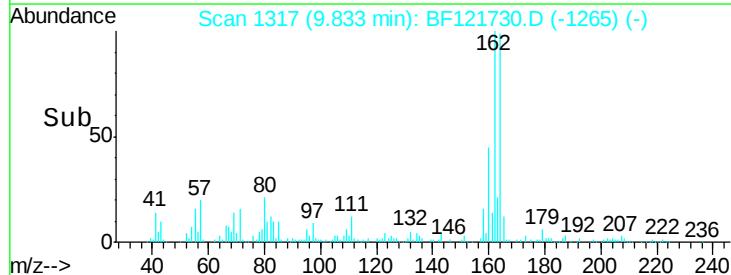
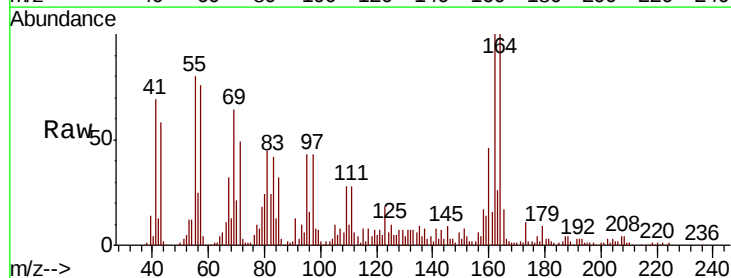
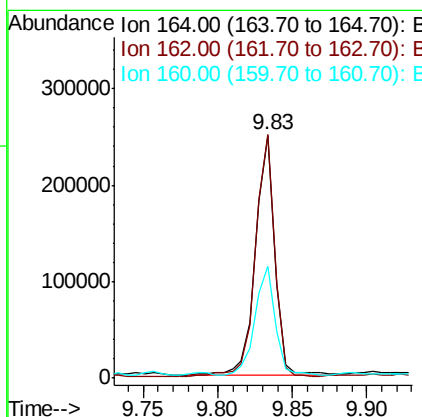
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.01 min
Lab File: BF121730.D
Acq: 29 Sep 2020 14:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.6	121.0
160	46.3	36.9	55.3





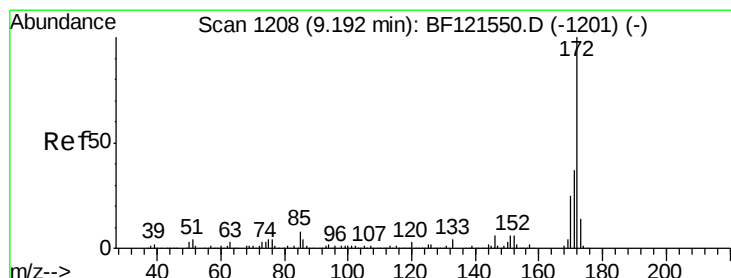
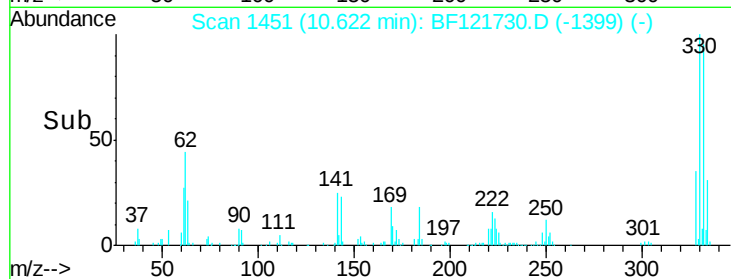
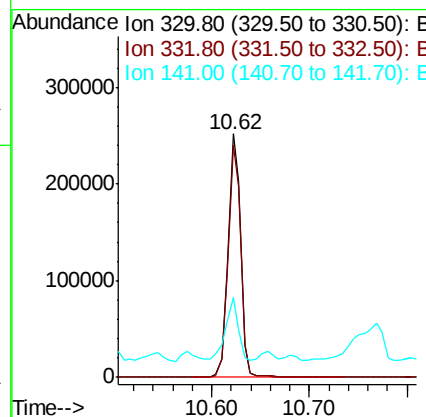
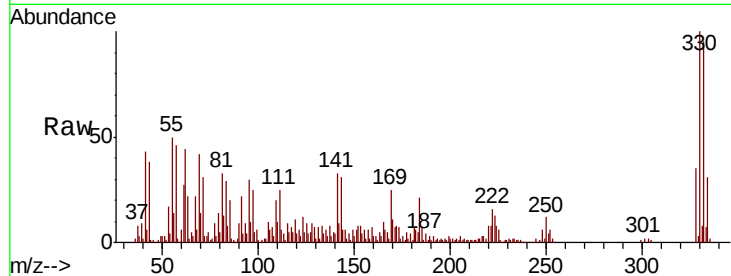
#42
 2,4,6-Tribromophenol
 Concen: 80.754 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.01 min
 Lab File: BF121730.D
 Acq: 29 Sep 2020 14:44

Instrument :
 BNA_F
 ClientSampleId :
 B-1(1-2)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	223945		
332	96.0		77.6	116.4
141	25.3		22.9	34.3

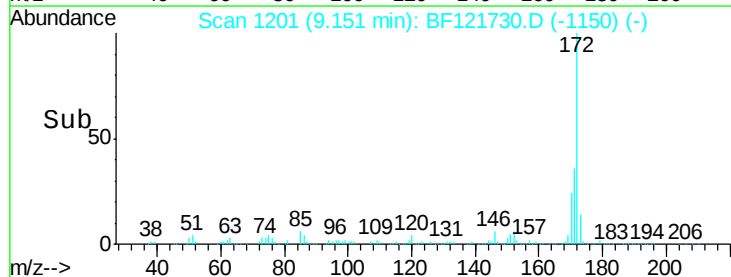
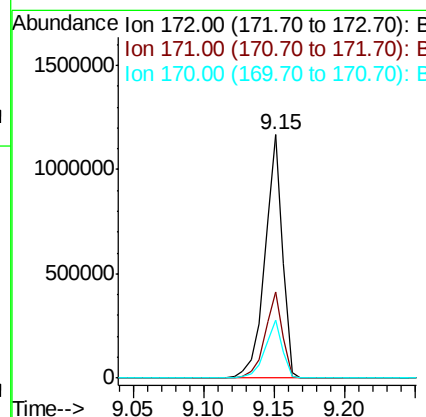
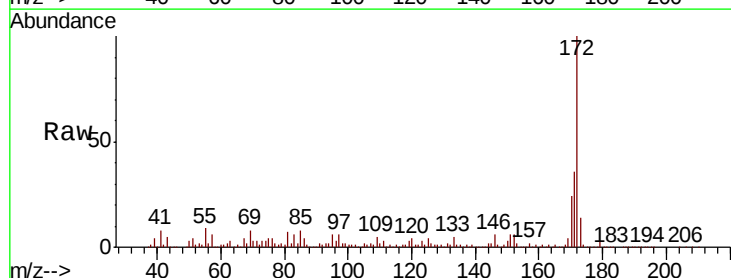
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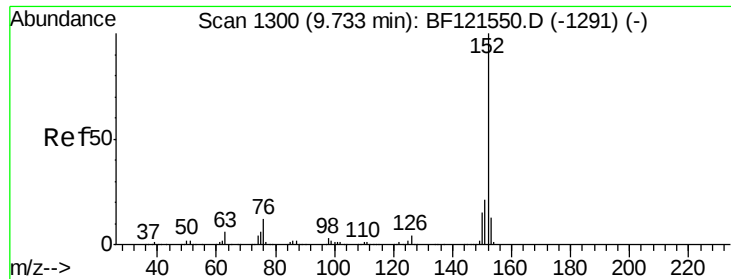
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#45
 2-Fluorobiphenyl
 Concen: 69.781 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BF121730.D
 Acq: 29 Sep 2020 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1028050		
171	35.5		29.2	43.8
170	23.7		19.7	29.5





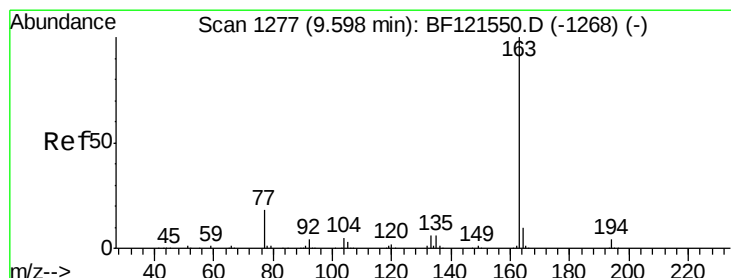
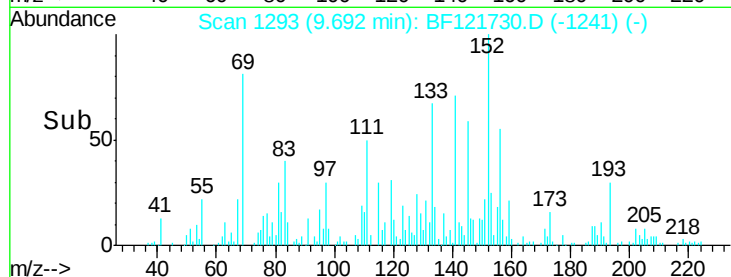
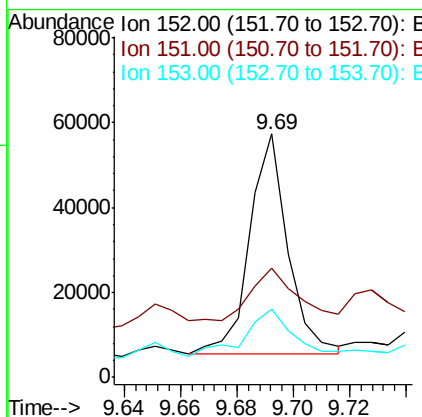
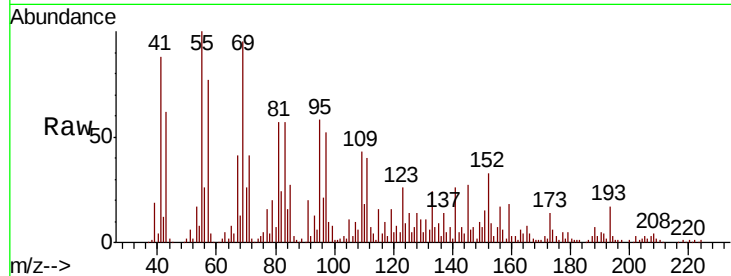
#49
Acenaphthylene
Concen: 2.276 ng
RT: 9.69 min Scan# 1293
Delta R.T. 0.01 min
Lab File: BF121730.D
Acq: 29 Sep 2020 14:44

Instrument :
BNA_F
ClientSampleId :
B-1(1-2)

Tot Ion	Ratio	Lower	Upper
152	100		
151	45.0	16.4	24.6#
153	28.2	10.9	16.3#

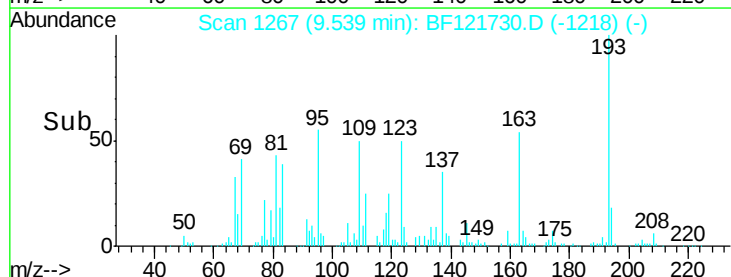
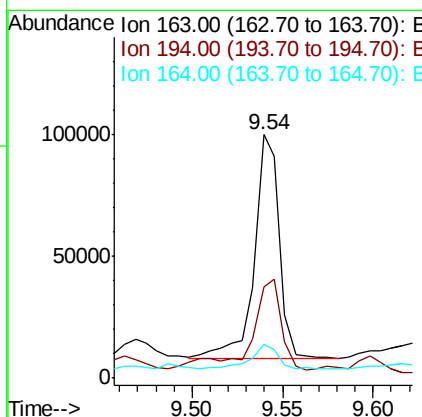
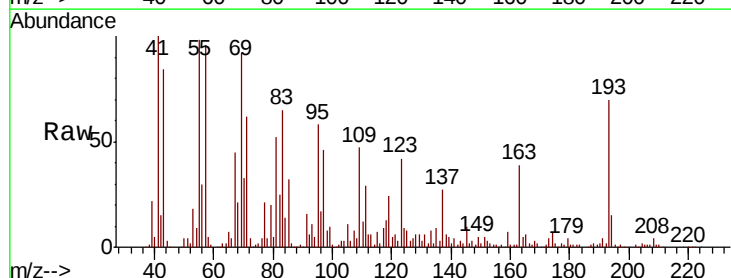
Manual Integrations
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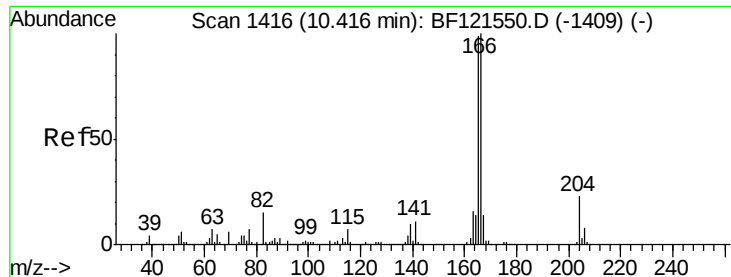
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#50
Dimethylphthalate
Concen: 5.457 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF121730.D
Acq: 29 Sep 2020 14:44

Tgt Ion	Ratio	Lower	Upper
163	100		
194	37.6	3.1	4.7#
164	14.1	8.5	12.7#





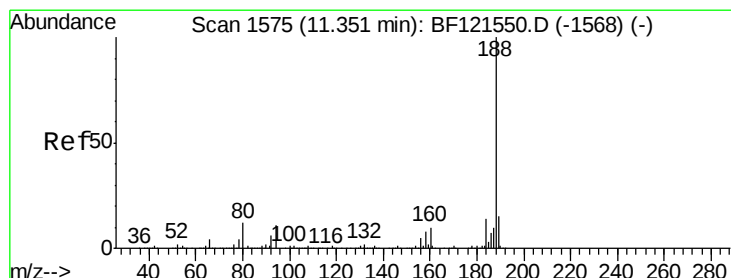
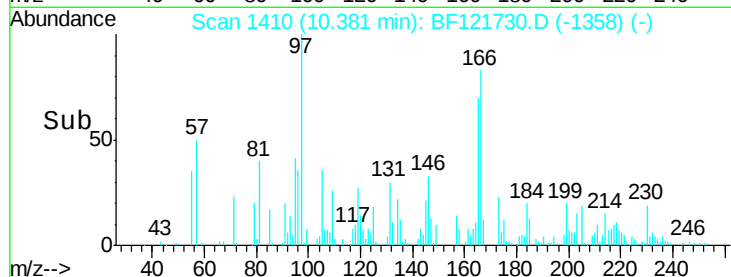
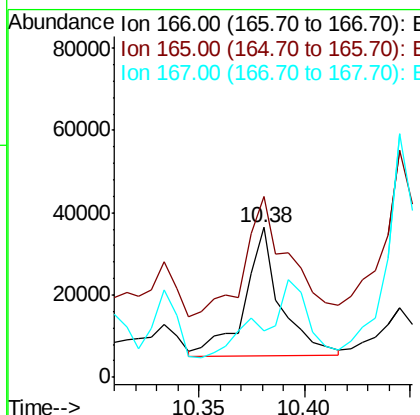
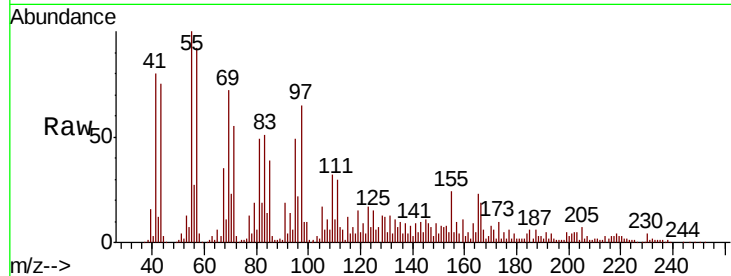
#58
 Fluorene
 Concen: 2.530 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. 0.01 min
 Lab File: BF121730.D
 Acq: 29 Sep 2020 14:44

Instrument :
 BNA_F
 ClientSampleId :
 B-1(1-2)

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	120.6	79.2	118.8#	
167	31.2	10.6	16.0#	

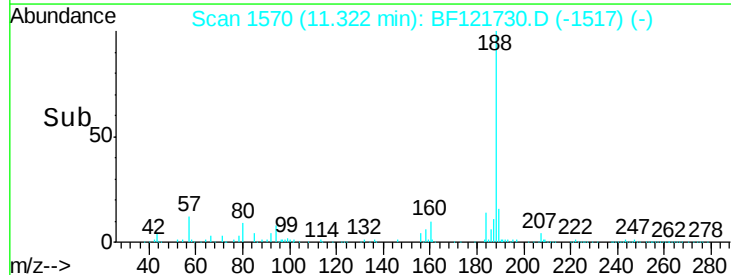
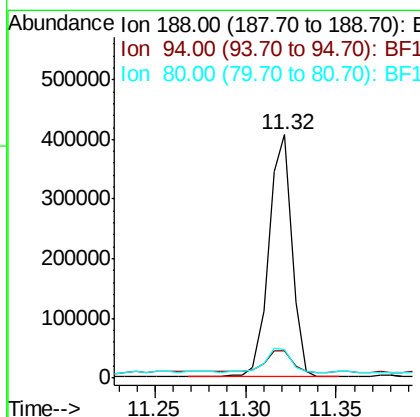
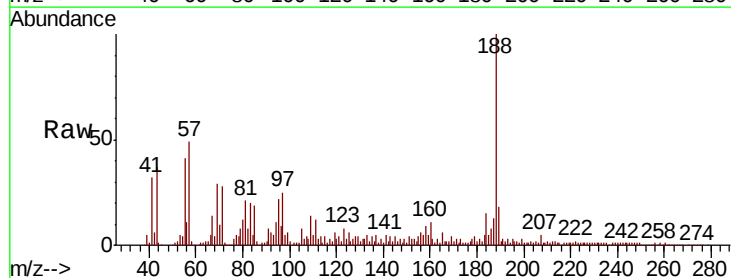
Manual Integrations
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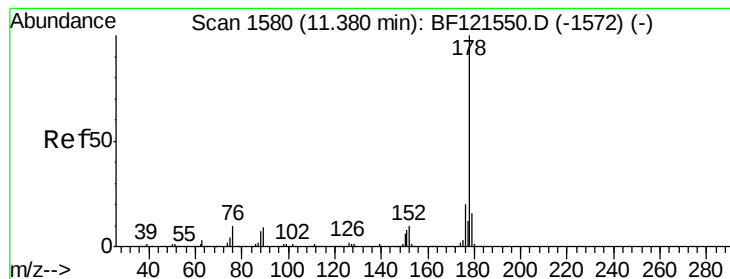
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: BF121730.D
 Acq: 29 Sep 2020 14:44

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	11.2	8.2	12.2	
80	11.7	8.9	13.3	





#71

Phenanthrene

Concen: 10.588 ng

RT: 11.35 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BF121730.D

Acq: 29 Sep 2020 14:44

Instrument :

BNA_F

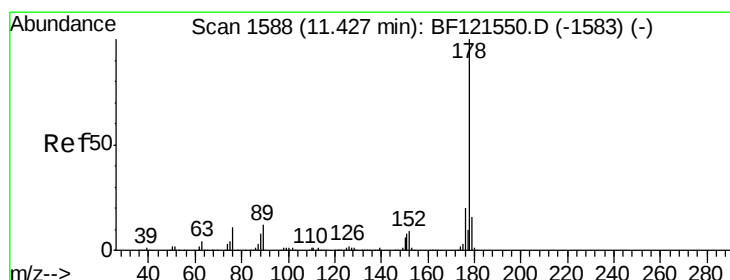
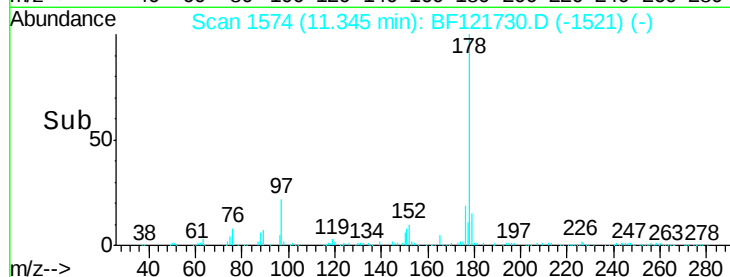
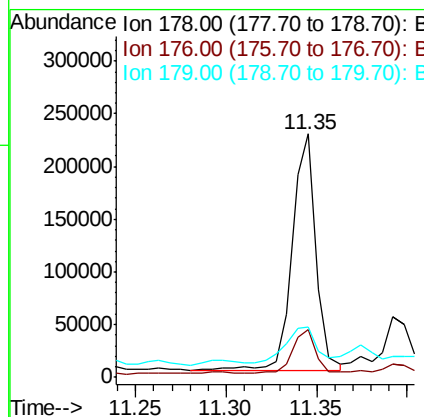
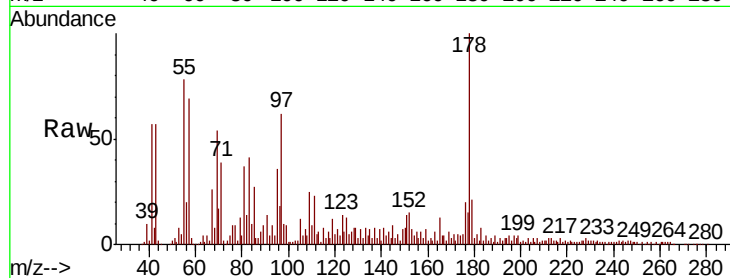
ClientSampleId :

B-1(1-2)

Tot Ion:	178	Resp:	206603
Ion Ratio	Lower	Upper	
178	100		
176	19.8	16.0	24.0
179	20.9	12.6	19.0

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#72

Anthracene

Concen: 2.702 ng

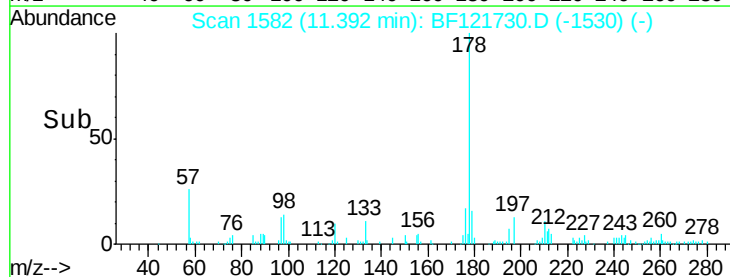
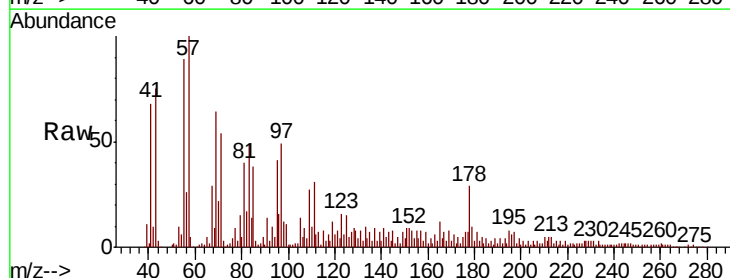
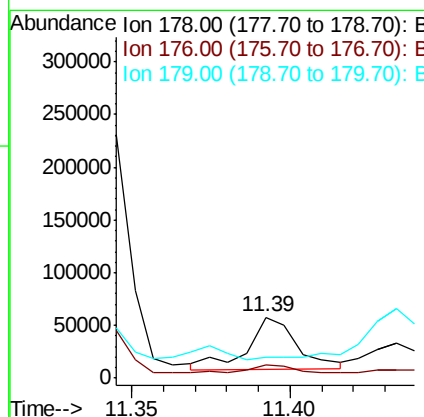
RT: 11.39 min Scan# 1582

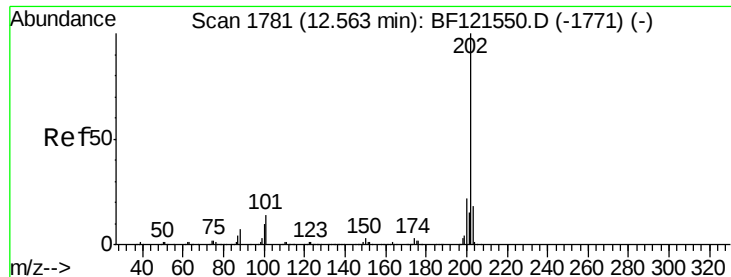
Delta R.T. 0.01 min

Lab File: BF121730.D

Acq: 29 Sep 2020 14:44

Tgt Ion:	178	Resp:	54411
Ion Ratio	Lower	Upper	
178	100		
176	22.4	15.8	23.6
179	35.4	12.6	19.0





#75

Fluoranthene

Concen: 15.066 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.01 min

Lab File: BF121730.D

Acq: 29 Sep 2020 14:44

Instrument :

BNA_F

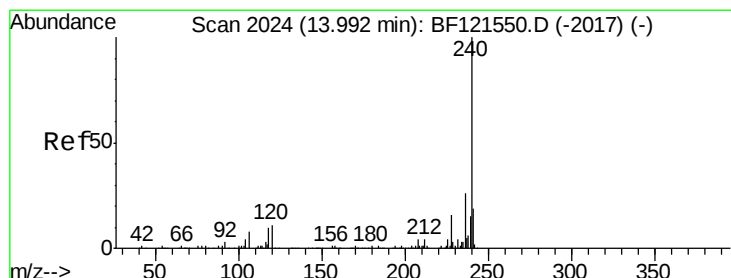
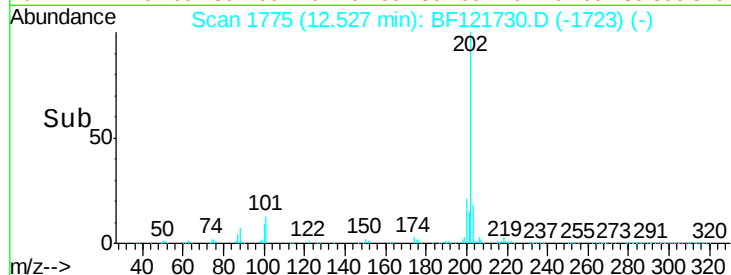
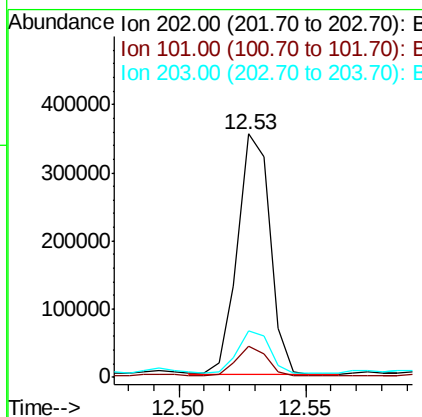
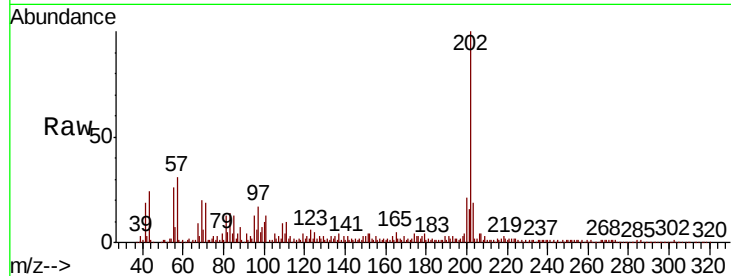
ClientSampleId :

B-1(1-2)

Tot Ion:	202	Resp:	313840
Ion Ratio		Lower	Upper
202	100		
101	13.0	0.0	32.0
203	19.0	0.0	38.0

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#76

Chrysene-d12

Concen: 20.000 ng

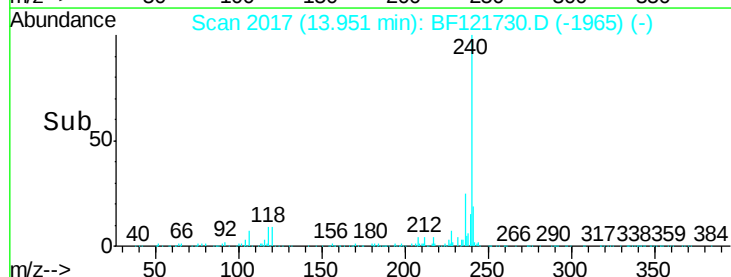
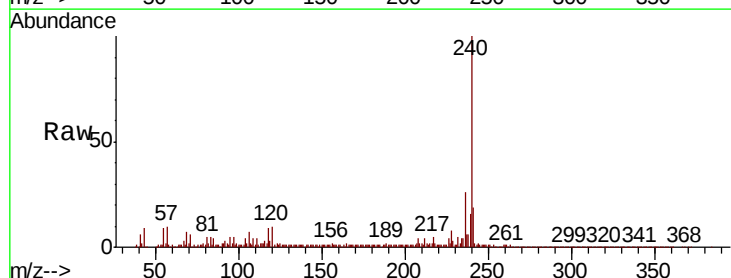
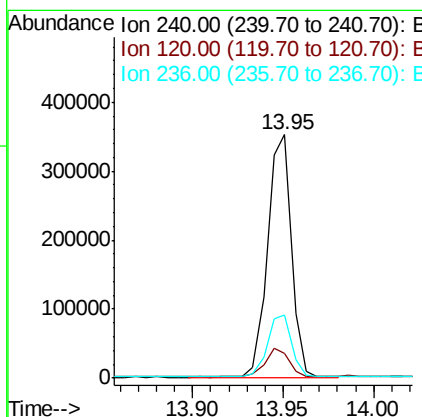
RT: 13.95 min Scan# 2017

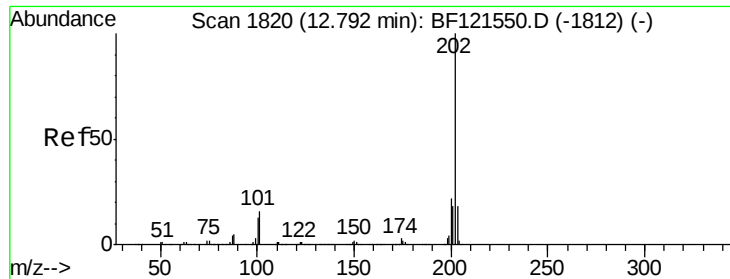
Delta R.T. 0.01 min

Lab File: BF121730.D

Acq: 29 Sep 2020 14:44

Tgt Ion:	240	Resp:	321997
Ion Ratio		Lower	Upper
240	100		
120	10.1	10.2	15.4#
236	25.8	20.4	30.6





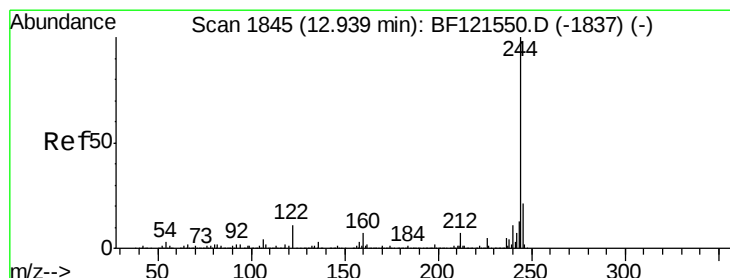
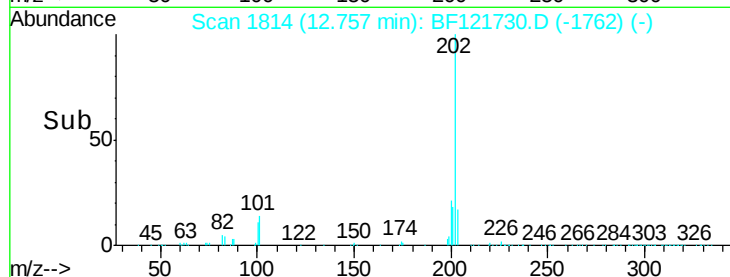
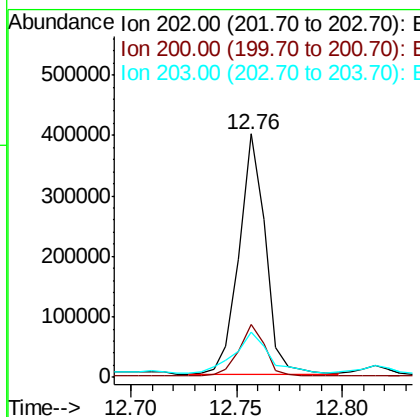
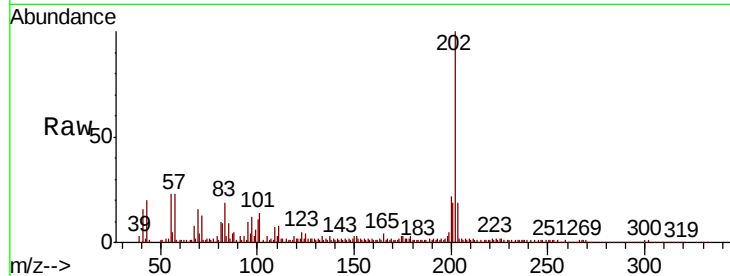
#78
Pvrene
Concen: 14.641 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BF121730.D
Acq: 29 Sep 2020 14:44

Instrument :
BNA_F
ClientSampled :
B-1(1-2)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.8	14.5	21.7

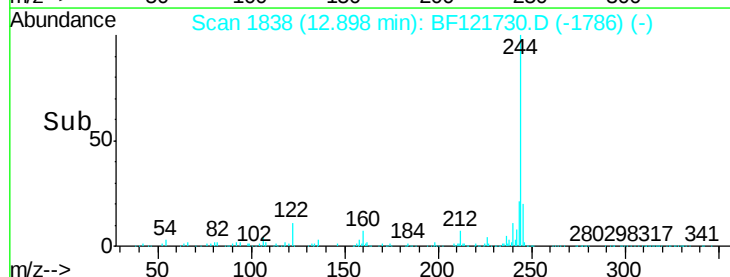
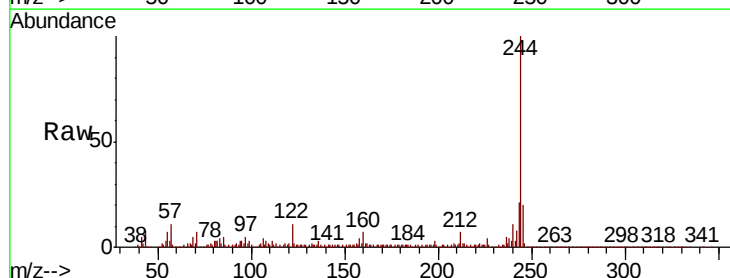
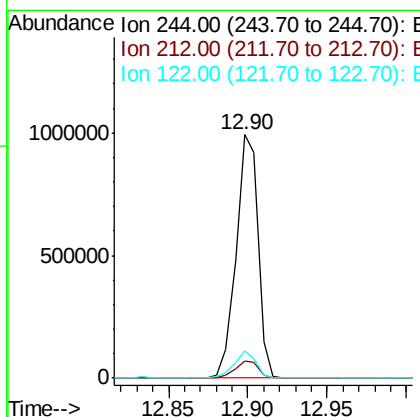
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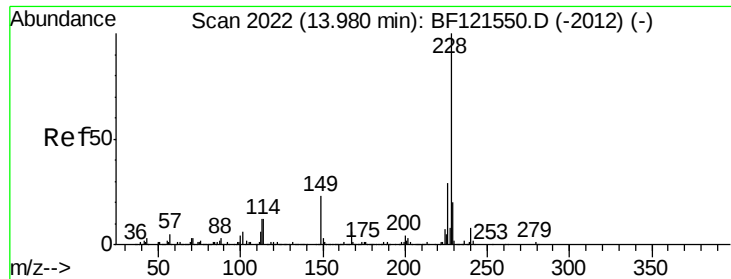
mohammad
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#79
Terphenyl-d14
Concen: 59.402 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.01 min
Lab File: BF121730.D
Acq: 29 Sep 2020 14:44

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	5.7	8.5
122	11.3	9.0	13.4





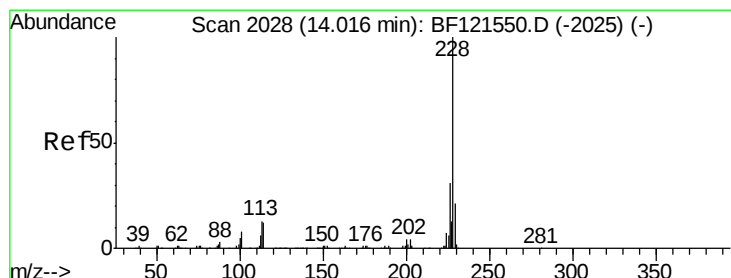
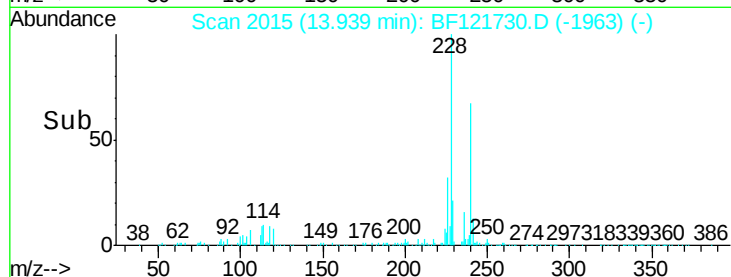
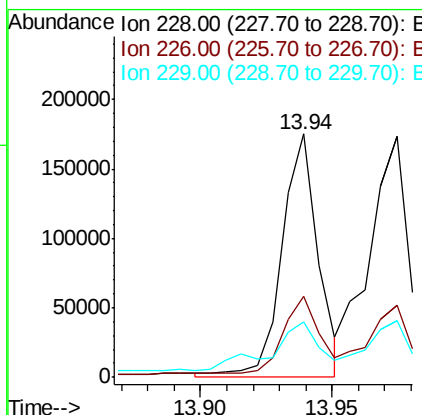
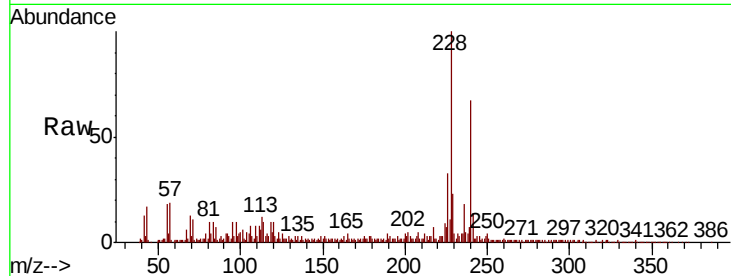
#81
Benzo(a)anthracene
Concen: 8.279 ng m
RT: 13.94 min Scan# 2015
Delta R.T. 0.01 min
Lab File: BF121730.D
Acq: 29 Sep 2020 14:44

Instrument :
BNA_F
ClientSampleId :
B-1(1-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.4	22.2	33.2#
229	23.0	16.2	24.4

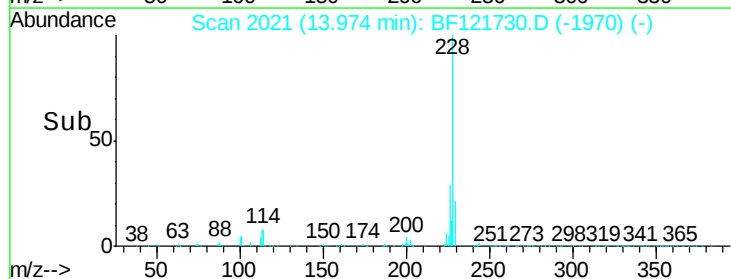
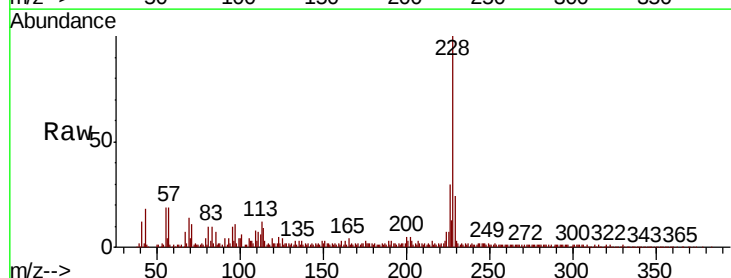
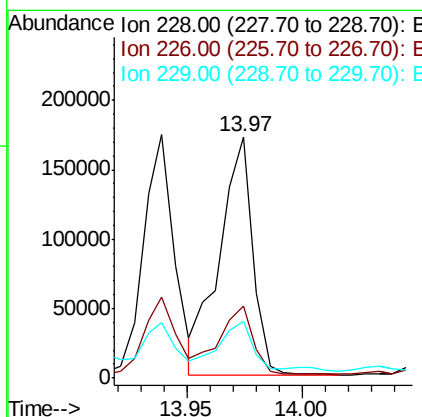
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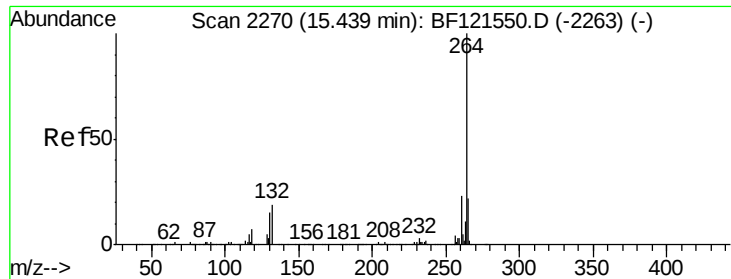
mohammad
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#83
Chrysene
Concen: 8.390 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF121730.D
Acq: 29 Sep 2020 14:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.4	38.0
229	23.7	16.4	24.6





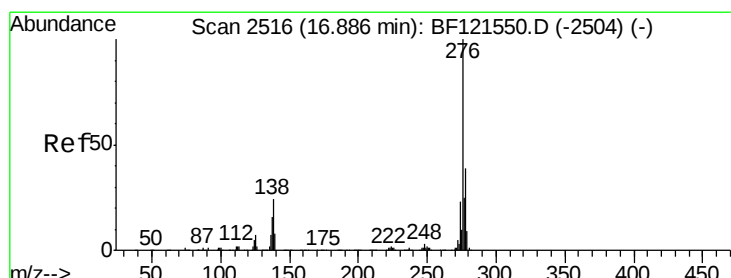
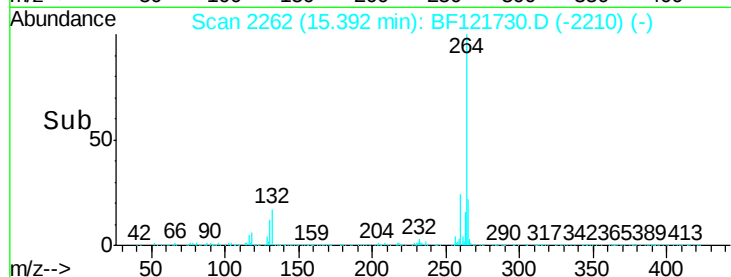
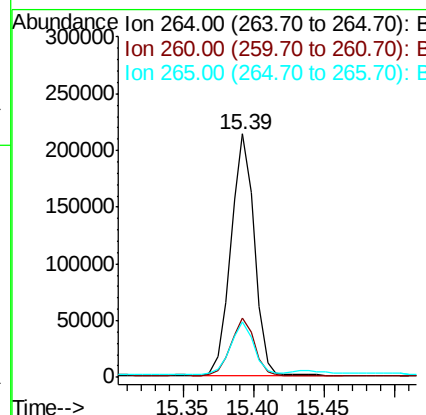
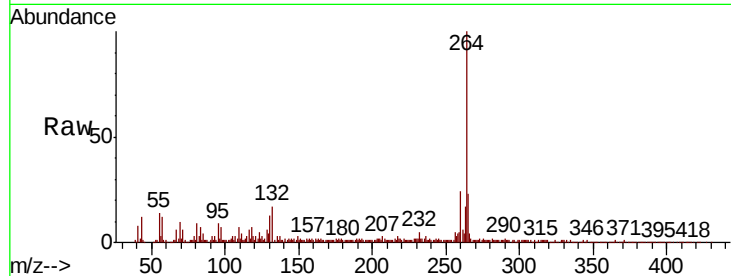
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF121730.D
Acq: 29 Sep 2020 14:44

Instrument :
BNA_F
ClientSampled :
B-1(1-2)

Tot Ion:	264	Resp:	244228
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.0	28.6
265	22.7	17.3	25.9

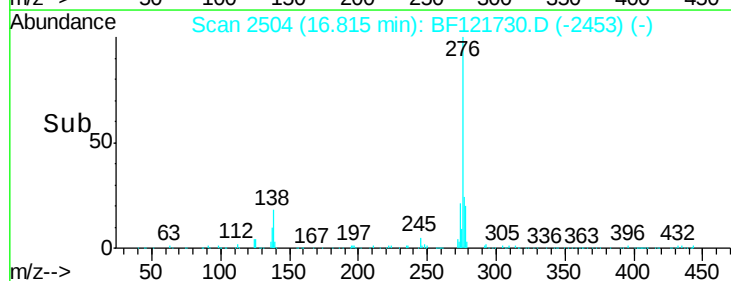
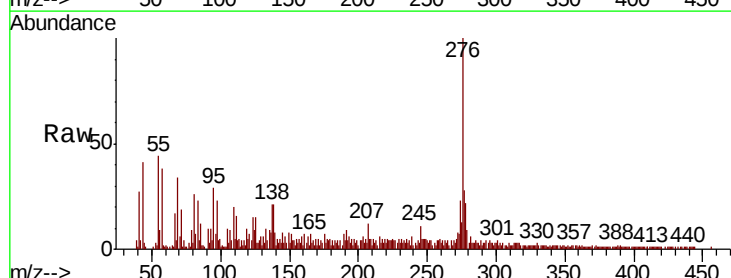
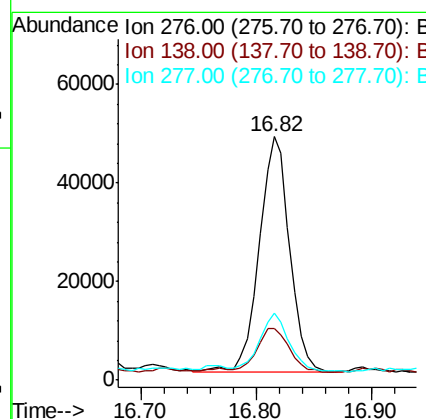
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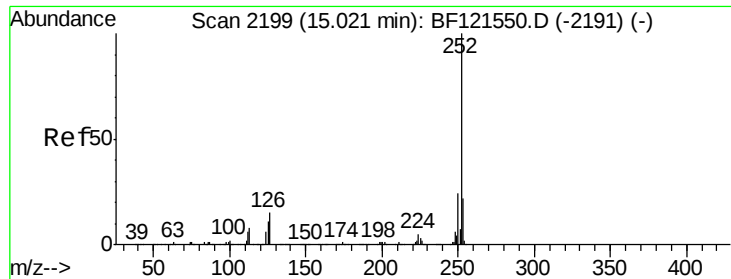
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 5.487 ng
RT: 16.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: BF121730.D
Acq: 29 Sep 2020 14:44

Tgt Ion:	276	Resp:	87271
Ion Ratio	Lower	Upper	
276	100		
138	20.2	19.4	29.0
277	24.9	20.4	30.6





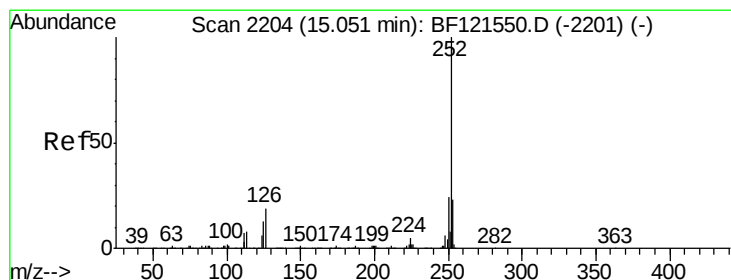
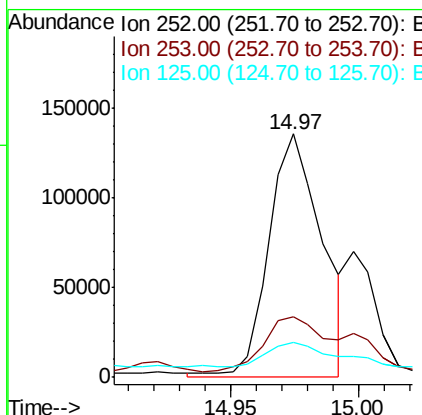
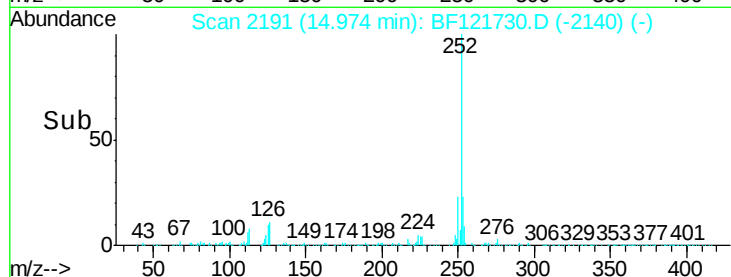
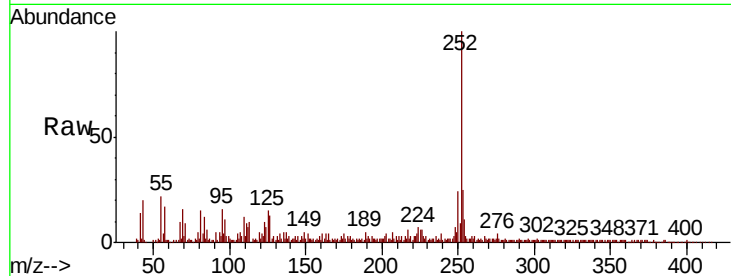
#88
Benzo(b)fluoranthene
Concen: 12.062 ng m
RT: 14.97 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BF121730.D
Acq: 29 Sep 2020 14:44

Instrument :
BNA_F
ClientSampleId :
B-1(1-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.4	26.2
125	14.6	8.0	12.0

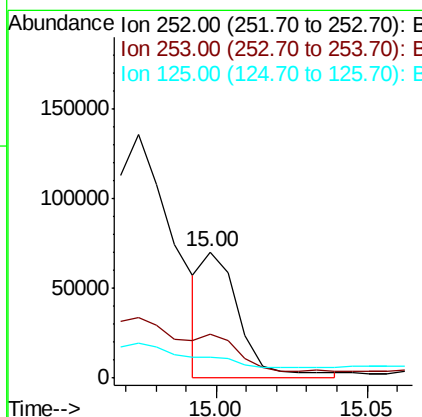
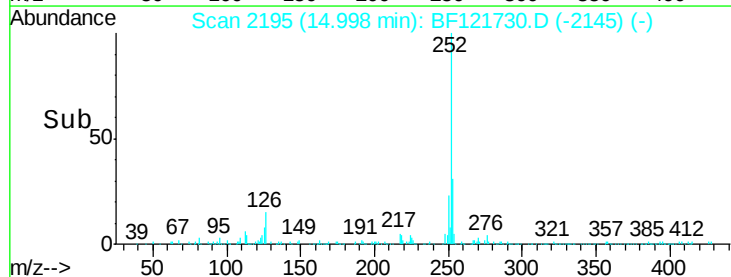
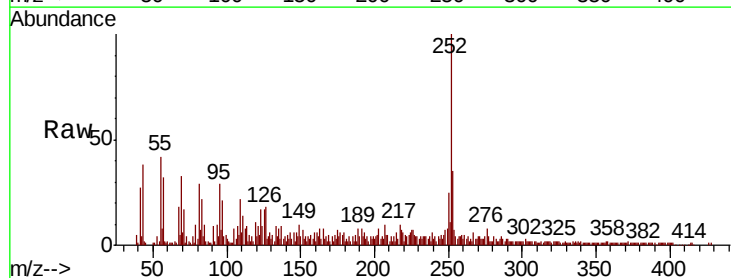
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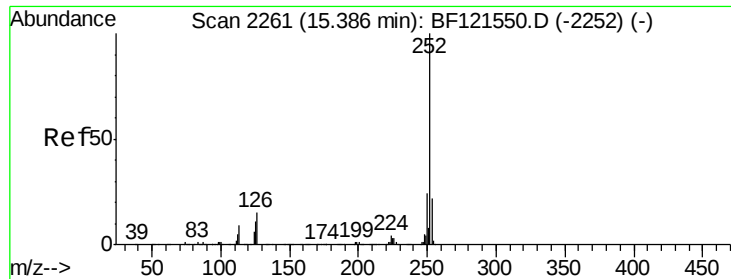
mohammad
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#89
Benzo(k)fluoranthene
Concen: 4.060 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF121730.D
Acq: 29 Sep 2020 14:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.6	18.1	27.1
125	16.7	7.8	11.6





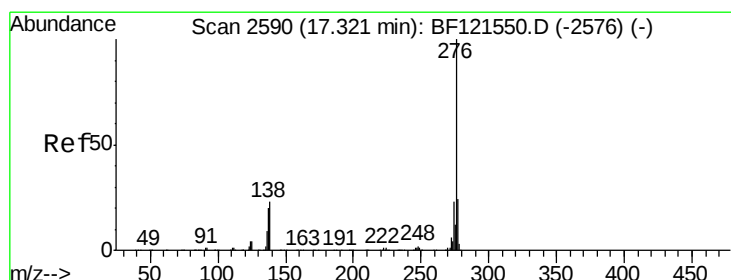
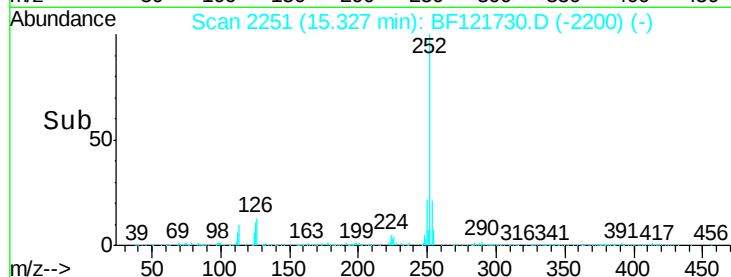
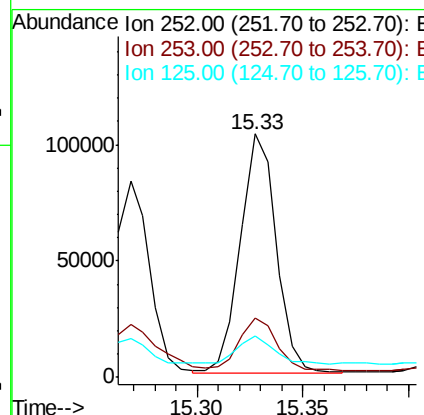
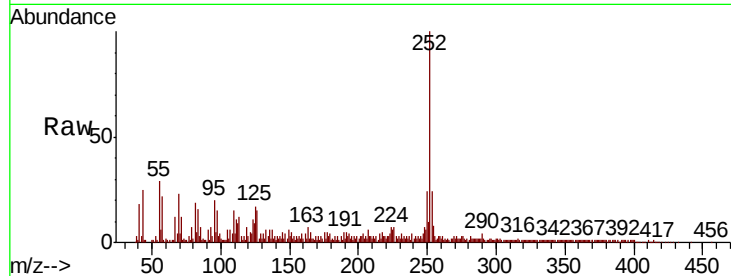
#90
Benzo(a)pyrene
Concen: 8.685 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.00 min
Lab File: BF121730.D
Acq: 29 Sep 2020 14:44

Instrument :
BNA_F
ClientSampleId :
B-1(1-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.3	25.9
125	16.8	9.2	13.8

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 6.813 ng
RT: 17.24 min Scan# 2577
Delta R.T. 0.00 min
Lab File: BF121730.D
Acq: 29 Sep 2020 14:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.1	19.2	28.8
138	22.5	16.7	25.1

