

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
 Data File : BF121845.D
 Acq On : 6 Oct 2020 11:17
 Operator : JU/CG
 Sample : L4247-10DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 B-20(12-14)DL

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Quant Time: Oct 06 12:07:06 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	122445	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	480966	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	246487	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	443284	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	271407	20.00	ng	-0.01
86) Perylene-d12	15.36	264	251289	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	139761	16.96	ng	0.00
7) Phenol-d6	6.40	99	203113	18.79	ng	-0.01
23) Nitrobenzene-d5	7.32	82	135767	15.16	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	22540	7.36	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	265038	16.29	ng	-0.01
79) Terphenyl-d14	12.86	244	231056	17.25	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.07	128	66312	2.612	ng	99
52) Acenaphthene	9.83	154	46797	3.101	ng	99
58) Fluorene	10.35	166	50652	3.117	ng	96
71) Phenanthrene	11.31	178	522319	21.626	ng	99
72) Anthracene	11.36	178	151828	6.092	ng	98
73) Carbazole	11.52	167	68069	3.026	ng	98
75) Fluoranthene	12.50	202	625624	24.266	ng	98
78) Pyrene	12.73	202	497404	25.084	ng	99
81) Benzo(a)anthracene	13.91	228	231178	13.464	ng	99
83) Chrysene	13.94	228	187924	10.808	ng	96
87) Indeno(1,2,3-cd)pyrene	16.77	276	112142	6.853	ng	97
88) Benzo(b)fluoranthene	14.94	252	221336m	13.176	ng	
89) Benzo(k)fluoranthene	14.97	252	72490m	4.712	ng	
90) Benzo(a)pyrene	15.30	252	153479	10.748	ng	# 93
91) Dibenzo(a,h)anthracene	16.77	278	29487m	2.165	ng	
92) Benzo(g,h,i)perylene	17.20	276	110410	8.245	ng	98

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

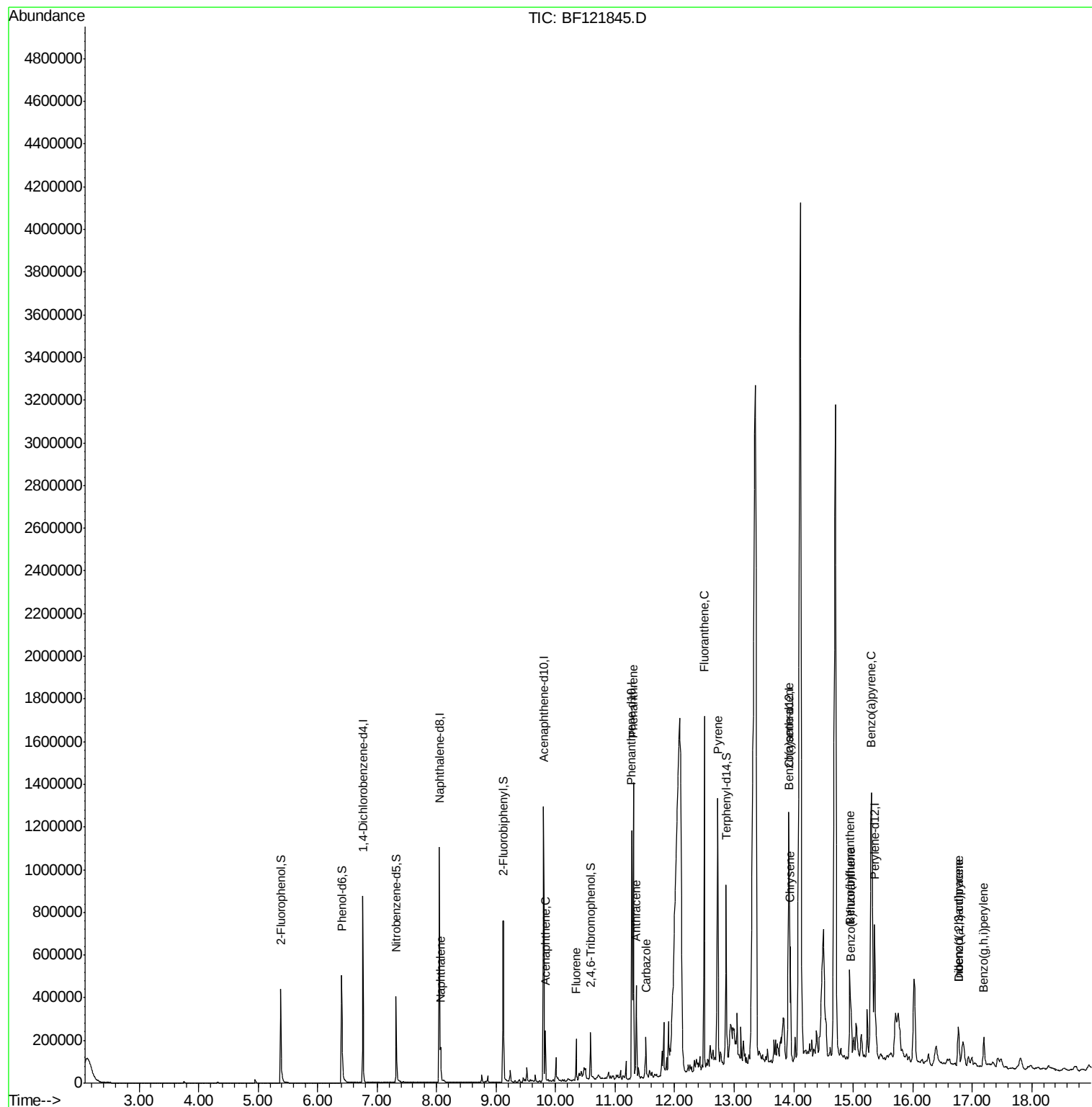
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121845.D
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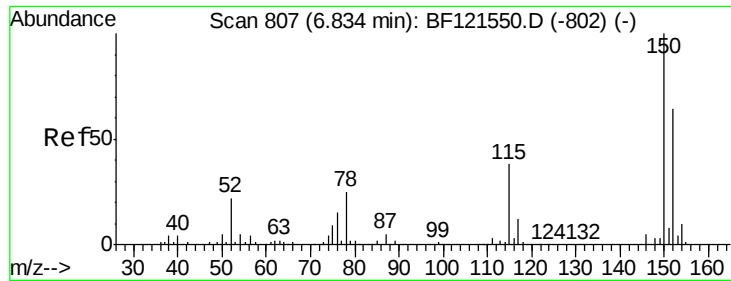
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

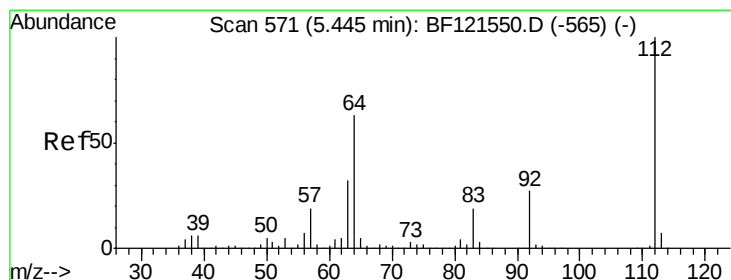
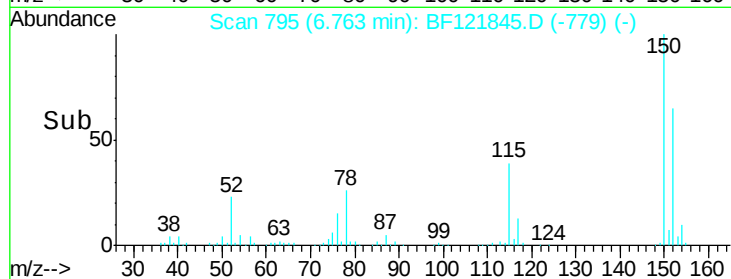
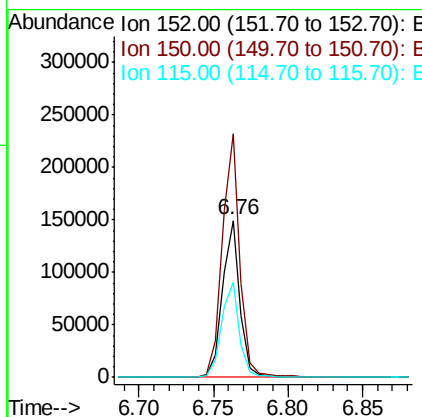
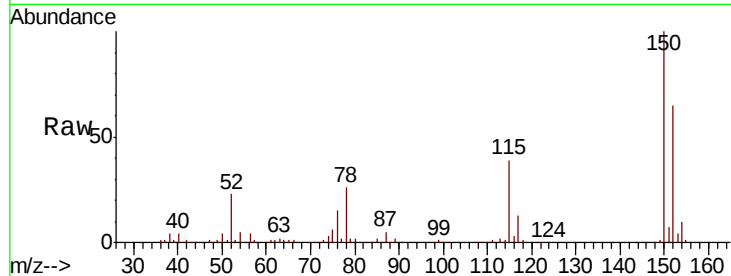
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121845.D
Acq: 6 Oct 2020 11:17

Instrument :
BNA_F
ClientSampleId :
B-20(12-14)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	125.3	187.9
115	60.4	51.9	77.9

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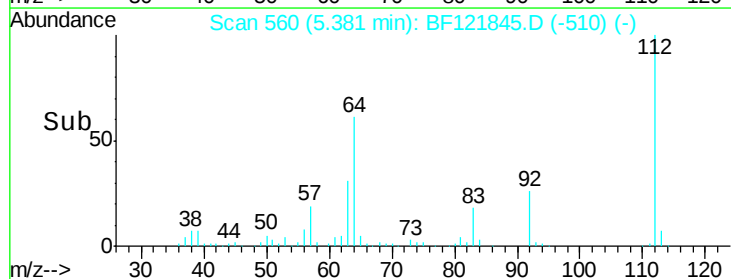
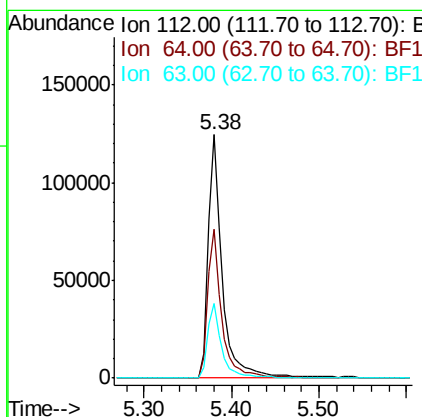
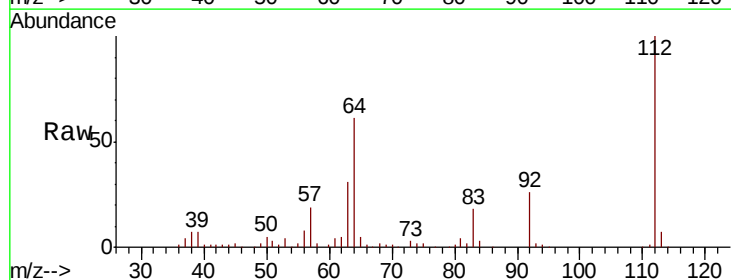
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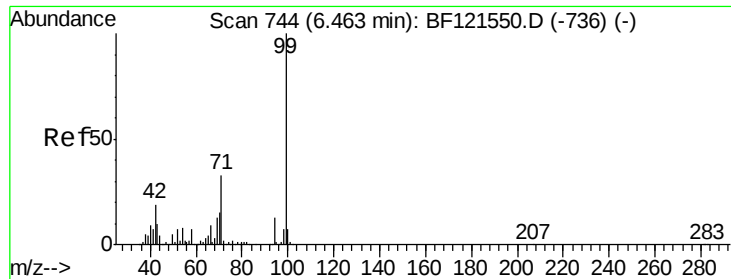


#5

2-Fluorophenol
Concen: 16.963 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121845.D
Acq: 6 Oct 2020 11:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.1	50.4	75.6
63	30.8	25.8	38.6





#7

Phenol-d6

Concen: 18.790 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121845.D

Acq: 6 Oct 2020 11:17

Instrument :

BNA_F

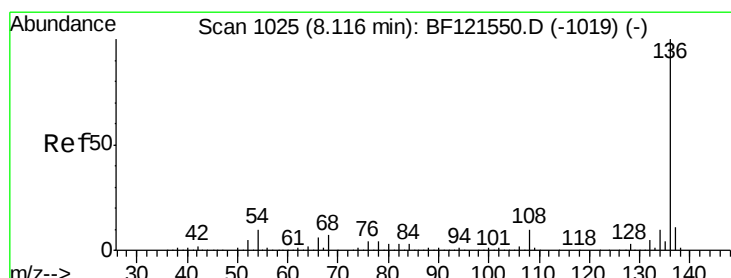
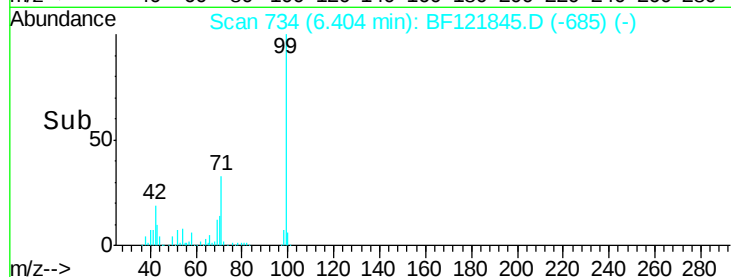
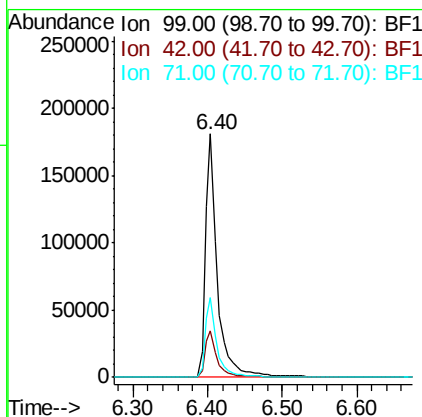
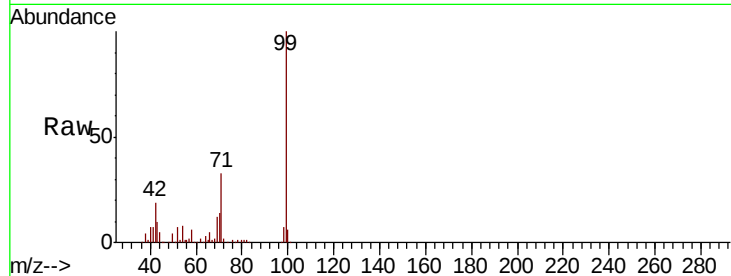
ClientSampleId :

B-20(12-14)DL

Tot Ion:	99	Resp:	203113
Ion Ratio	Lower	Upper	
99	100		
42	19.1	15.9	23.9
71	32.7	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

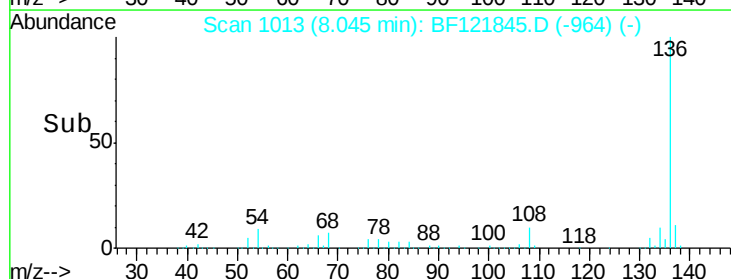
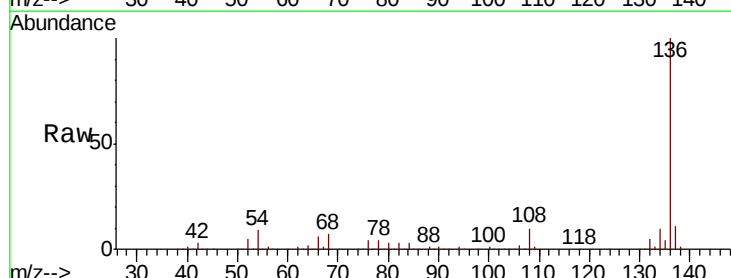
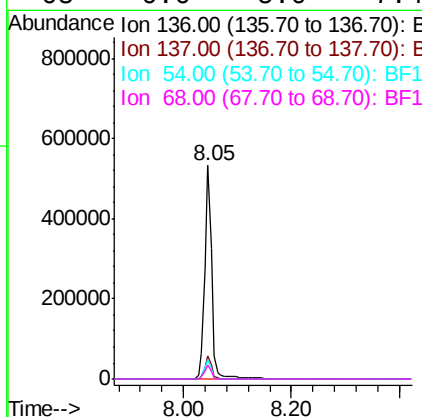
RT: 8.05 min Scan# 1013

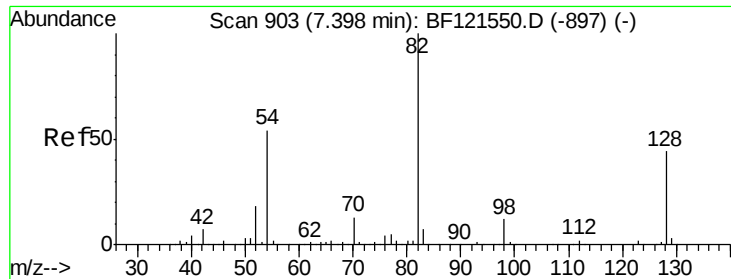
Delta R.T. -0.01 min

Lab File: BF121845.D

Acq: 6 Oct 2020 11:17

Tgt Ion:	136	Resp:	480966
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	13.0
54	9.3	7.1	10.7
68	6.6	5.0	7.4





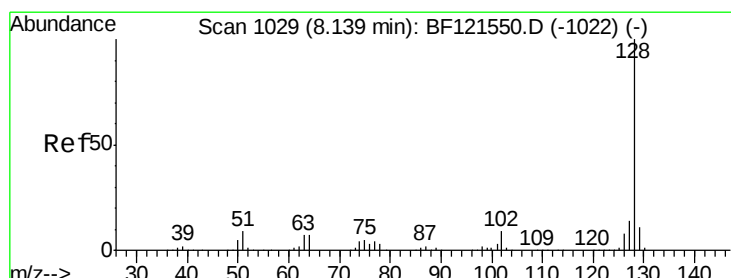
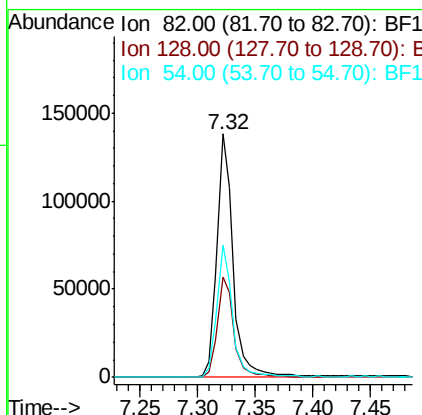
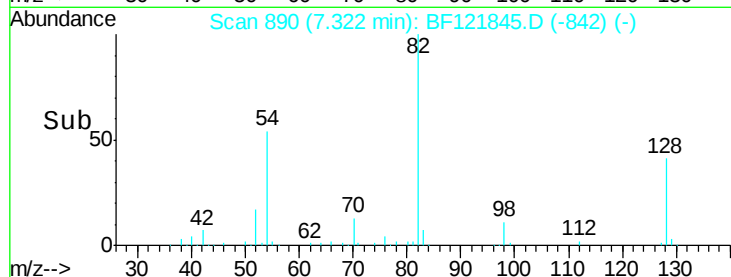
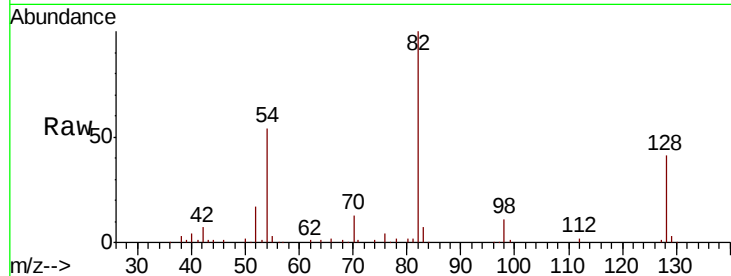
#23
Nitrobenzene-d5
Concen: 15.156 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.02 min
Lab File: BF121845.D
Acq: 6 Oct 2020 11:17

Instrument :
BNA_F
ClientSampleId :
B-20(12-14)DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	135767		
128	41.0	35.0	52.4	
54	54.3	43.9	65.9	

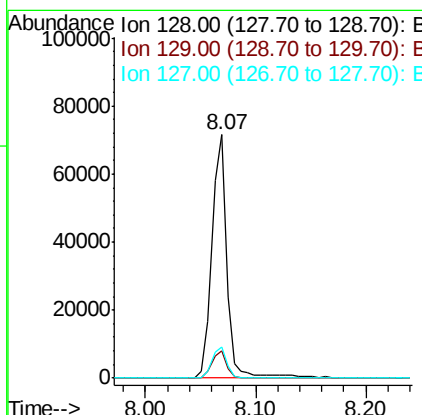
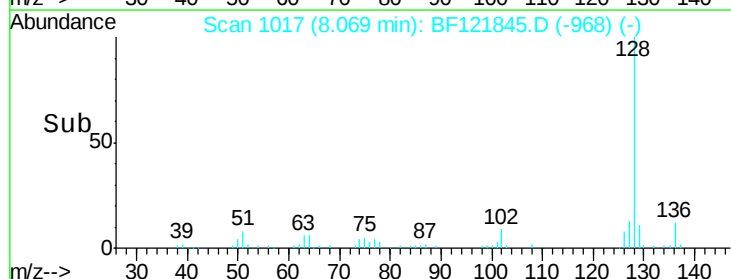
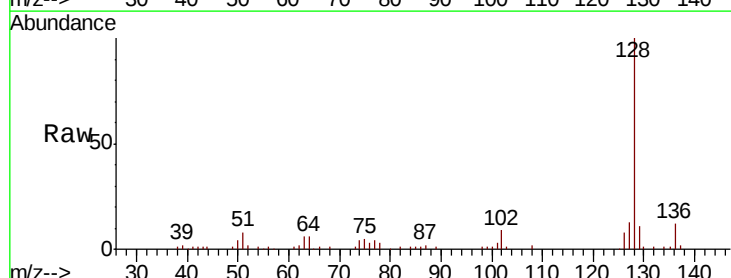
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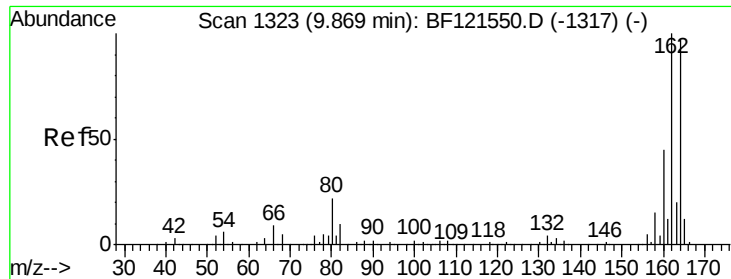
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#31
Naphthalene
Concen: 2.612 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF121845.D
Acq: 6 Oct 2020 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	66312		
129	11.1	8.7	13.1	
127	12.9	10.8	16.2	





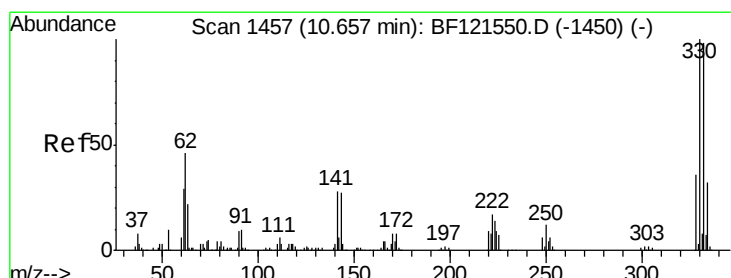
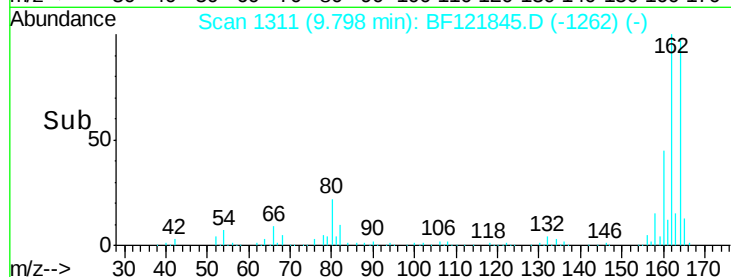
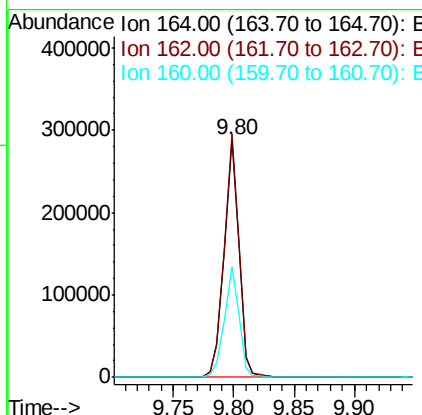
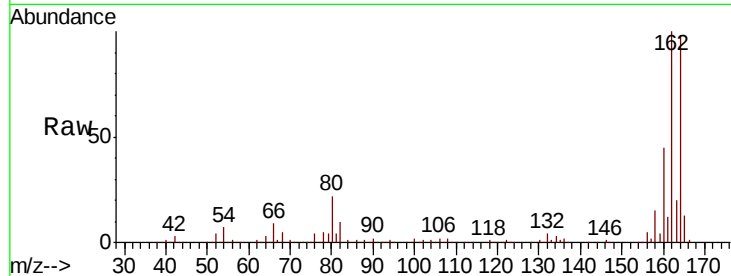
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121845.D
Acq: 6 Oct 2020 11:17

Instrument :
BNA_F
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B-20(12-14)DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.6	83.2	124.8	
160	46.3	37.5	56.3	

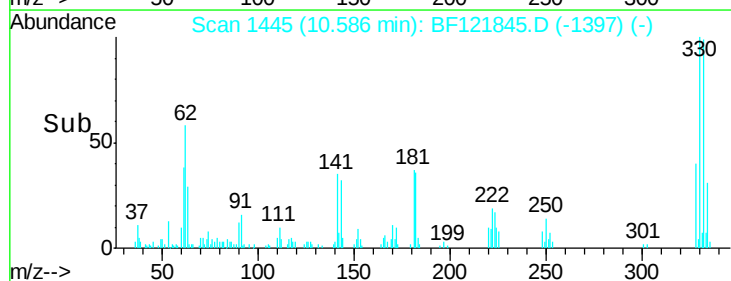
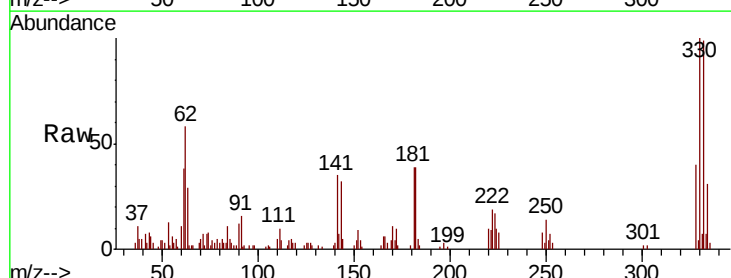
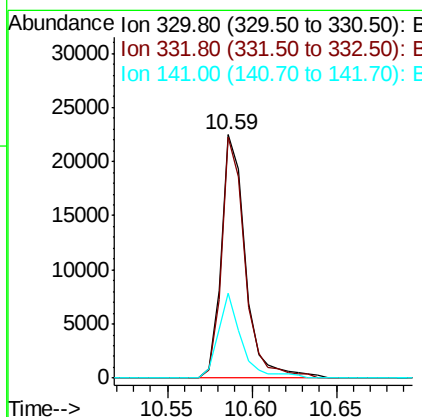
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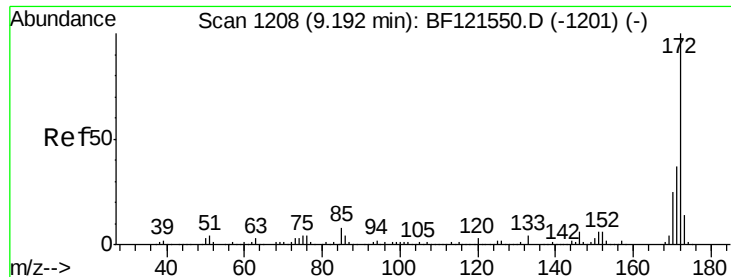
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#42
2,4,6-Tribromophenol
Concen: 7.358 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.02 min
Lab File: BF121845.D
Acq: 6 Oct 2020 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.1	77.3	115.9	
141	33.4	22.3	33.5	





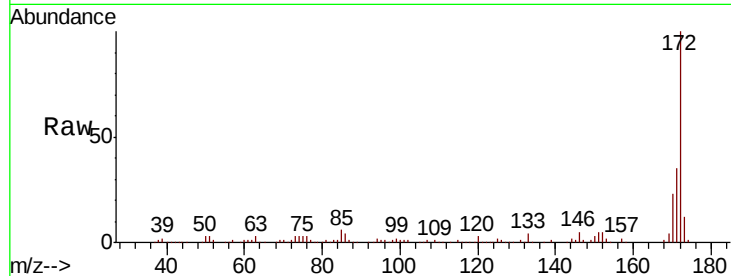
#45
2-Fluorobiphenyl
Concen: 16.285 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF121845.D
Acq: 6 Oct 2020 11:17

Instrument :
BNA_F
ClientSampleId :
B-20(12-14)DL

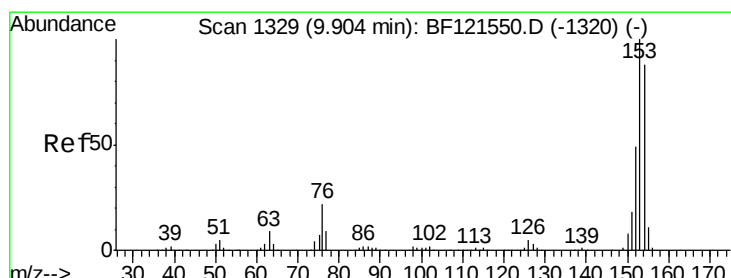
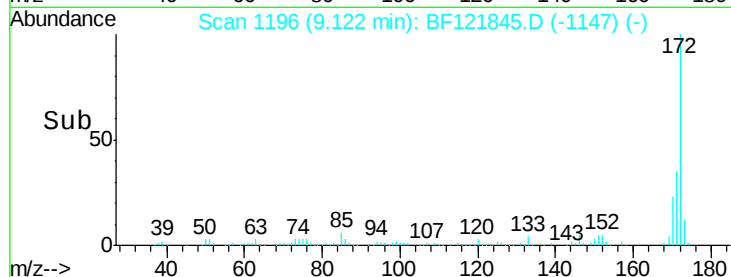
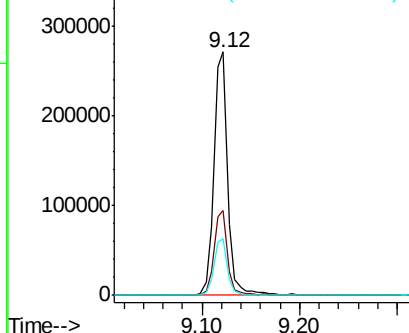
Tot Ion	Ratio	Resp	Lower	Upper
172	100	265038		
171	34.7		29.1	43.7
170	23.1		19.8	29.6

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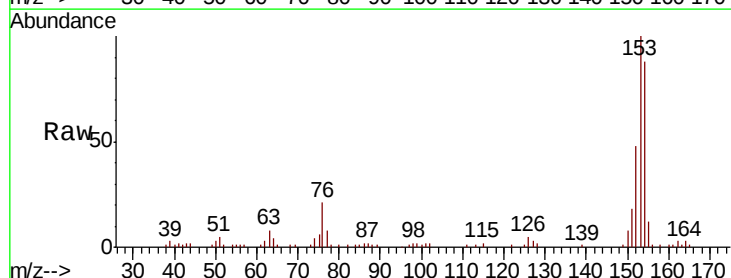


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

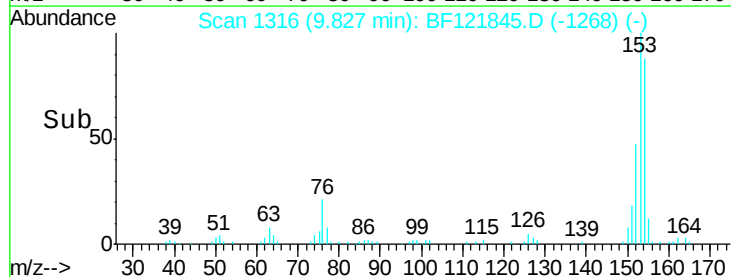
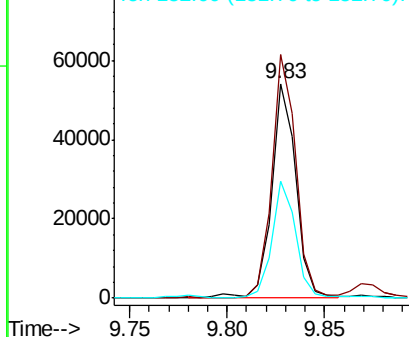


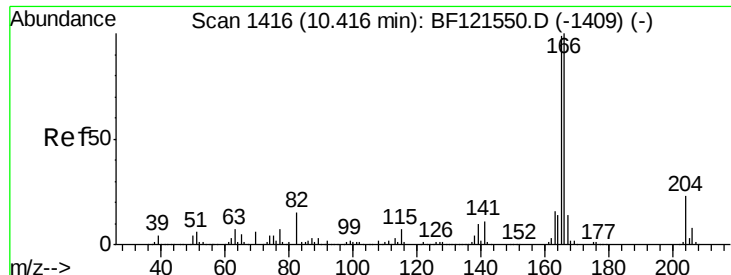
#52
Acenaphthene
Concen: 3.101 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BF121845.D
Acq: 6 Oct 2020 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	46797		
153	113.4		89.8	134.8
152	54.2		43.2	64.8



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





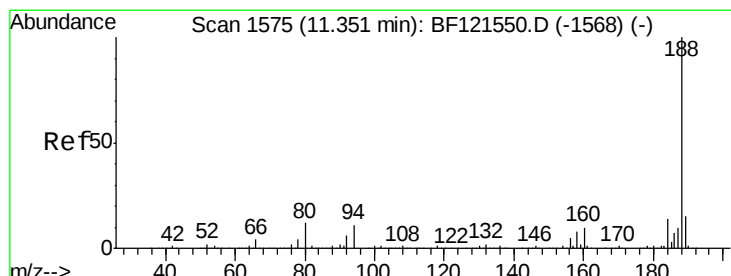
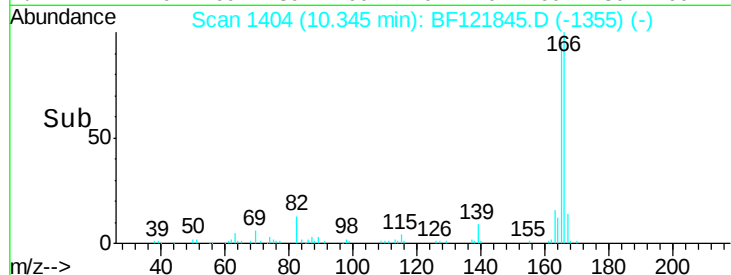
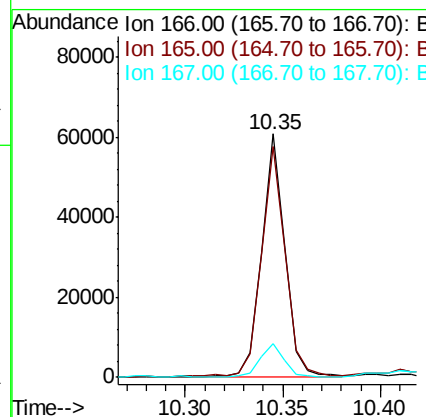
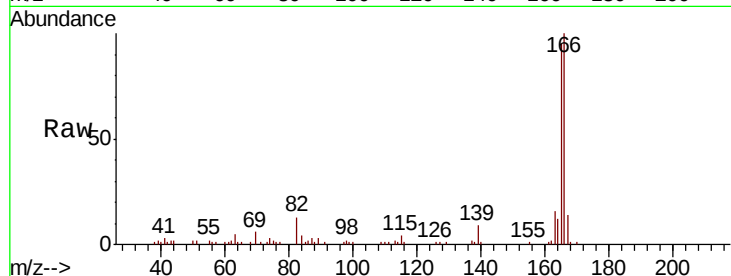
#58
 Fluorene
 Concen: 3.117 ng
 RT: 10.35 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BF121845.D
 Acq: 6 Oct 2020 11:17

Instrument :
 BNA_F
 ClientSampleId :
 B-20(12-14)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		50652		
165	94.8	79.1	118.7		
167	13.6	11.0	16.6		

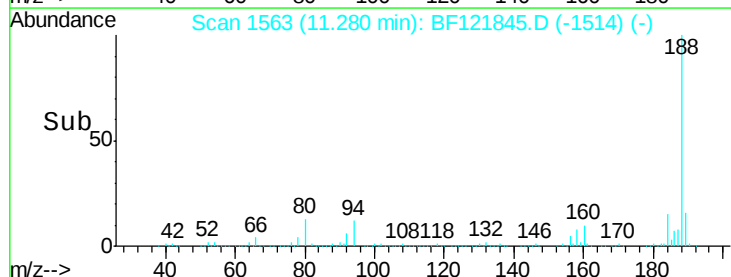
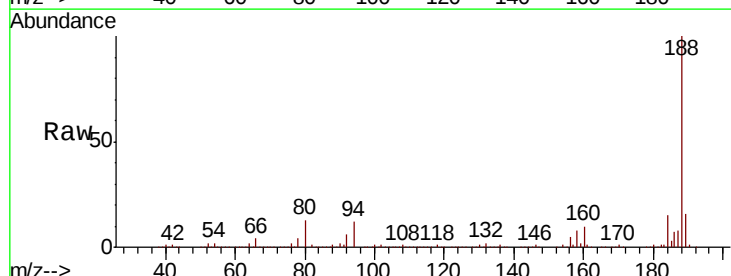
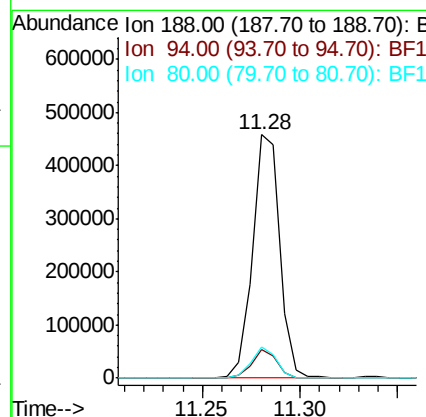
Manual Integrations
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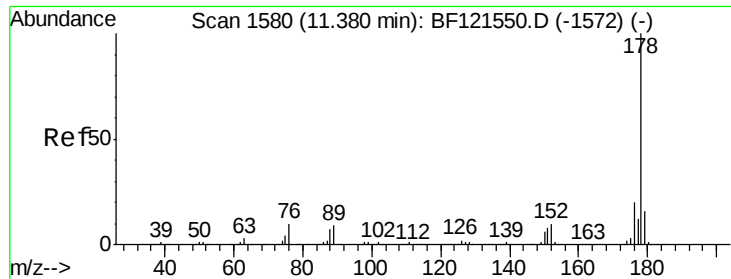
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF121845.D
 Acq: 6 Oct 2020 11:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		443284		
94	11.5	8.3	12.5		
80	12.8	9.1	13.7		





#71

Phenanthrene

Concen: 21.626 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF121845.D

Acq: 6 Oct 2020 11:17

Instrument :

BNA_F

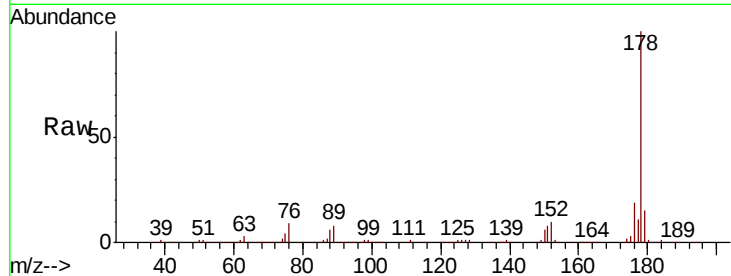
ClientSampleId :

B-20(12-14)DL

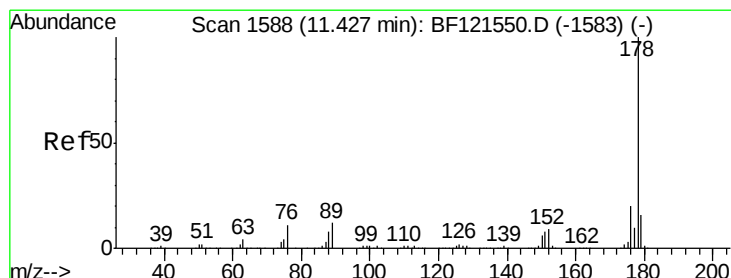
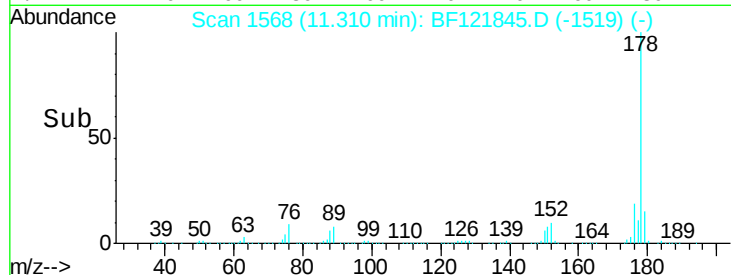
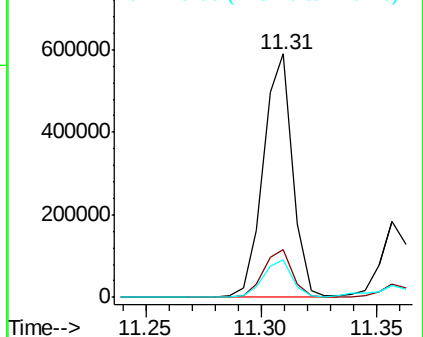
Tot Ion:	178	Resp:	522319
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.9	23.9
179	15.2	12.2	18.4

Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
800000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 6.092 ng

RT: 11.36 min Scan# 1576

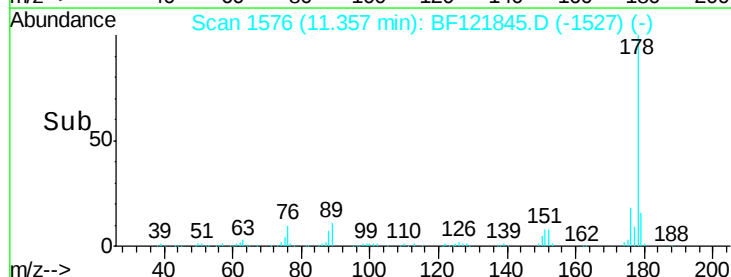
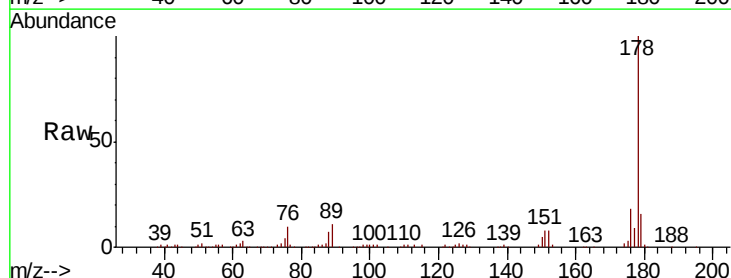
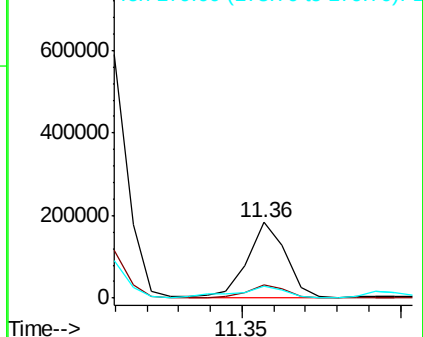
Delta R.T. -0.01 min

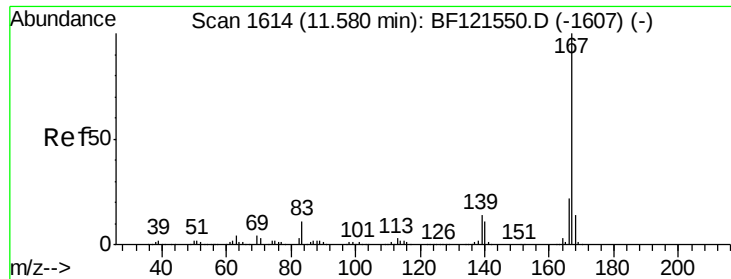
Lab File: BF121845.D

Acq: 6 Oct 2020 11:17

Tgt Ion:	178	Resp:	151828
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.7	23.5
179	15.5	12.7	19.1

Abundance Ion 178.00 (177.70 to 178.70): E
800000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





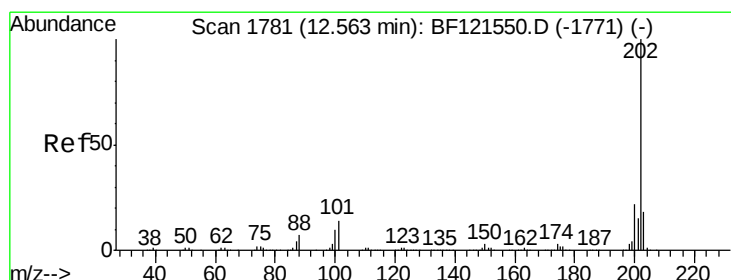
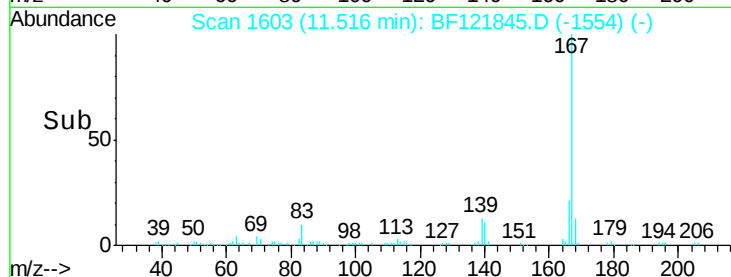
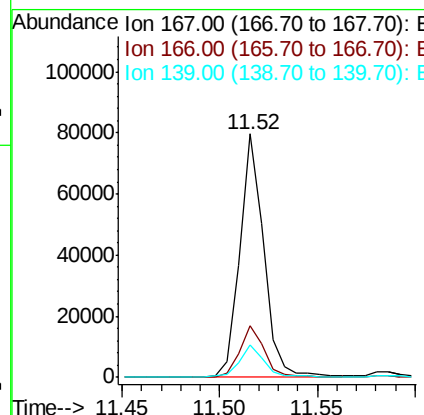
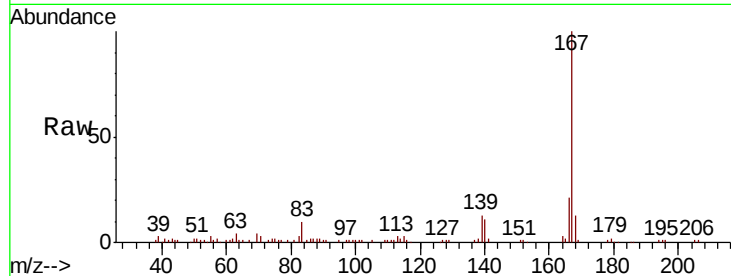
#73
 Carbazole
 Concen: 3.026 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: BF121845.D
 Acq: 6 Oct 2020 11:17

Instrument :
 BNA_F
 ClientSampleID :
 B-20(12-14)DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.8	26.6
139	13.3	10.8	16.2

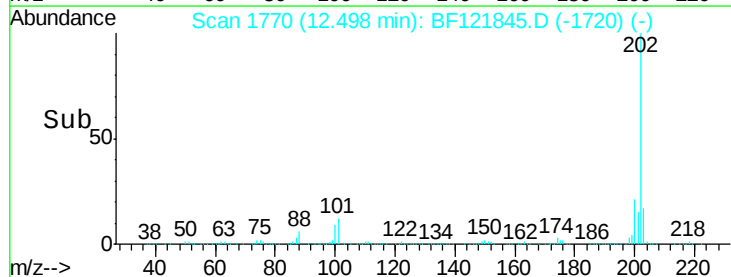
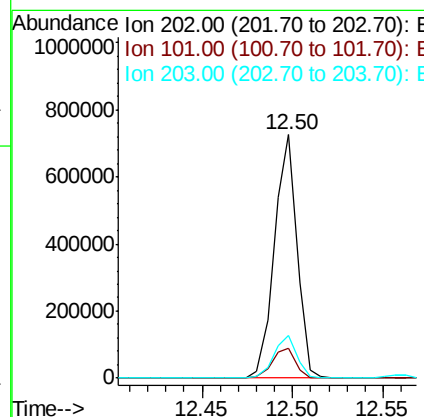
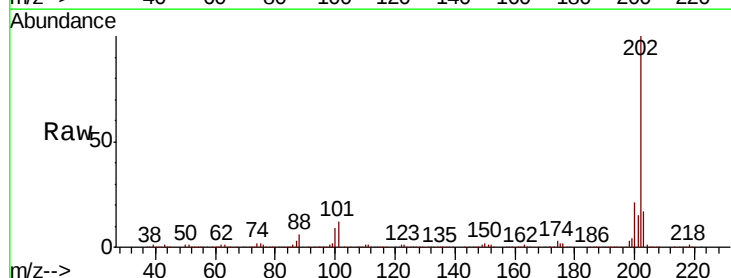
Manual Integrations
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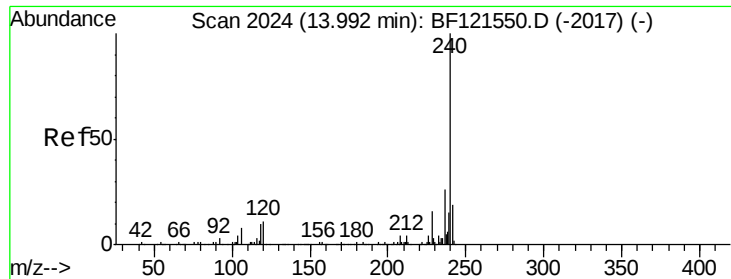
mohammad
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#75
 Fluoranthene
 Concen: 24.266 ng
 RT: 12.50 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: BF121845.D
 Acq: 6 Oct 2020 11:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.4
203	17.5	0.0	37.9





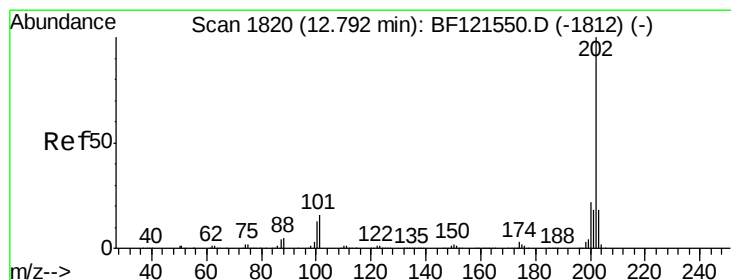
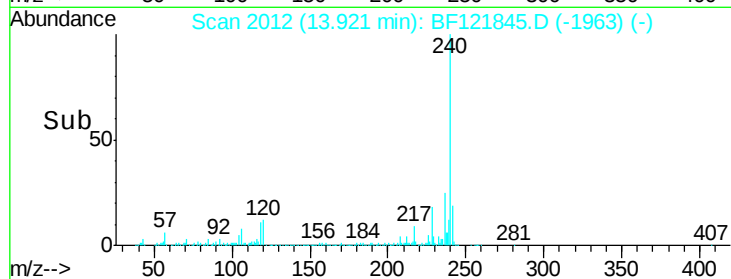
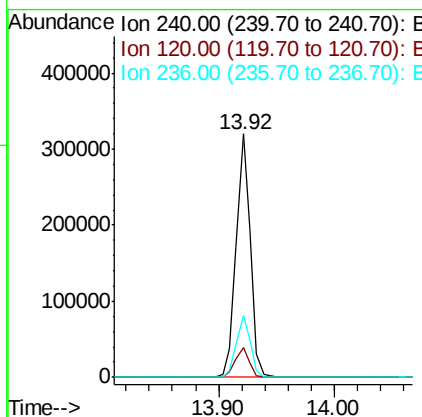
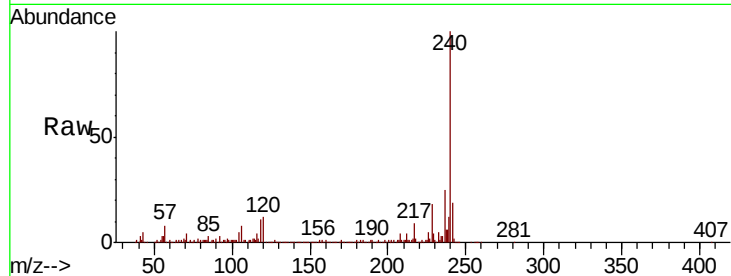
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF121845.D
Acq: 6 Oct 2020 11:17

Instrument :
BNA_F
ClientSampleId :
B-20(12-14)DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.2	13.8
236	25.4	20.9	31.3

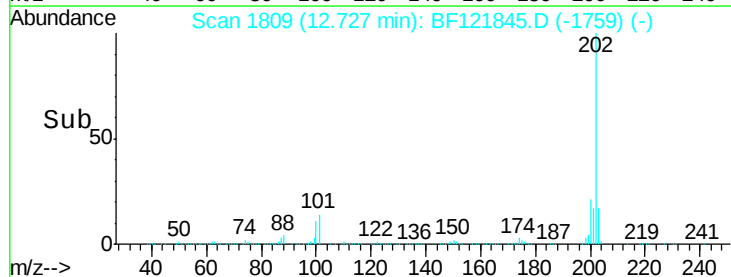
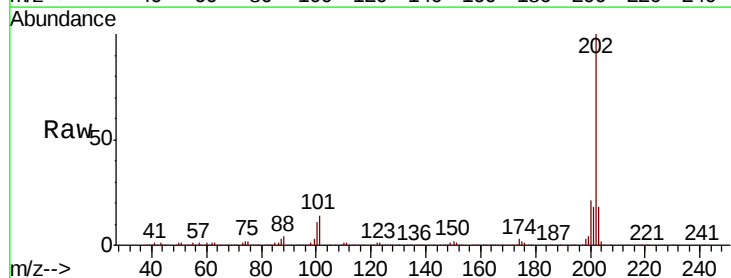
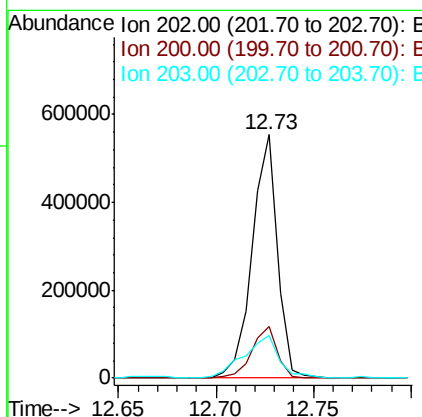
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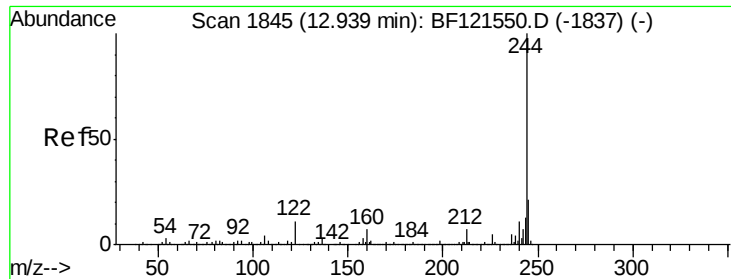
mohammad
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#78
Pyrene
Concen: 25.084 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF121845.D
Acq: 6 Oct 2020 11:17

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.7	14.6	21.8





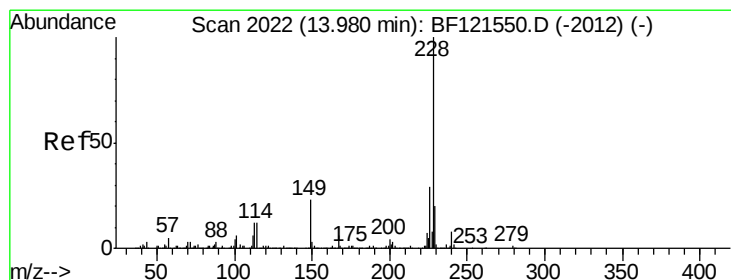
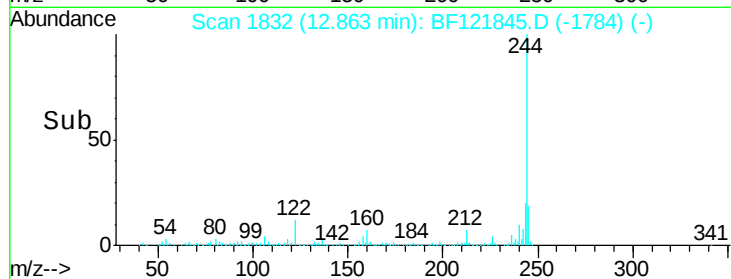
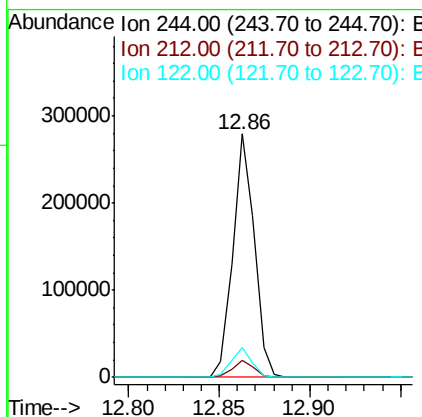
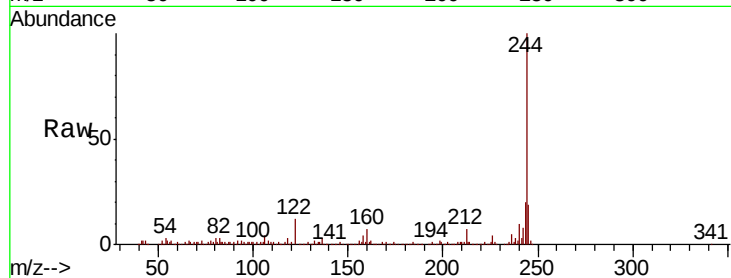
#79
 Terphenyl-d14
 Concen: 17.247 ng
 RT: 12.86 min Scan# 1832
 Delta R.T. -0.02 min
 Lab File: BF121845.D
 Acq: 6 Oct 2020 11:17

Instrument :
 BNA_F
 ClientSampleID :
 B-20(12-14)DL

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.7	5.4	8.2	
122	12.1	8.1	12.1	

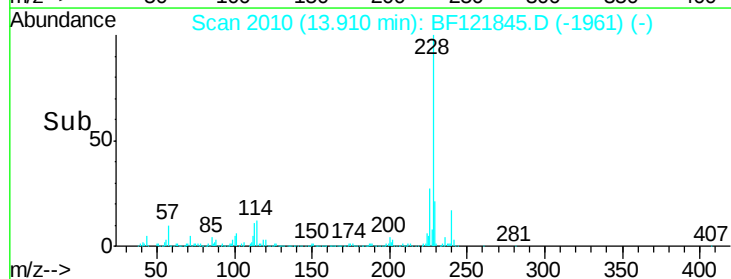
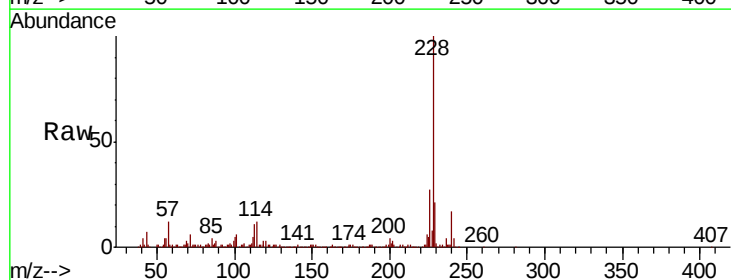
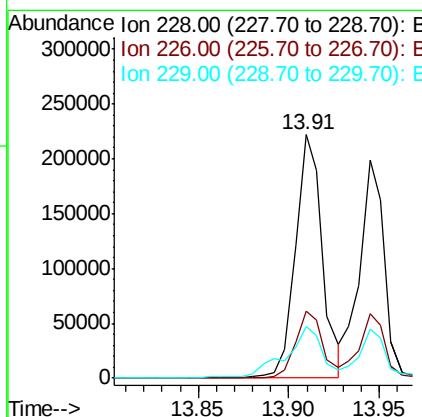
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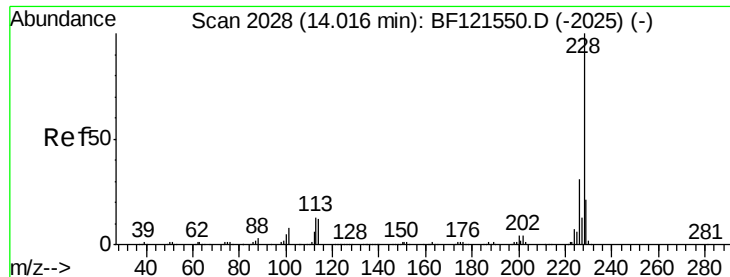
mohammad
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#81
 Benzo(a)anthracene
 Concen: 13.464 ng
 RT: 13.91 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BF121845.D
 Acq: 6 Oct 2020 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	27.3	22.3	33.5	
229	21.0	16.2	24.4	





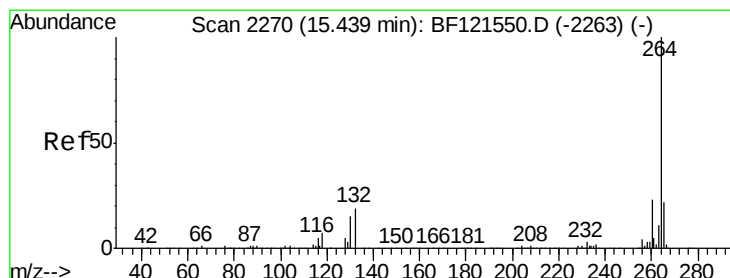
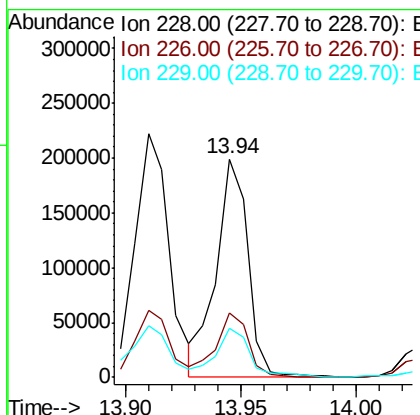
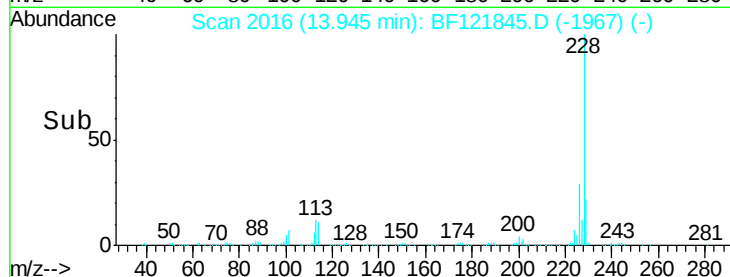
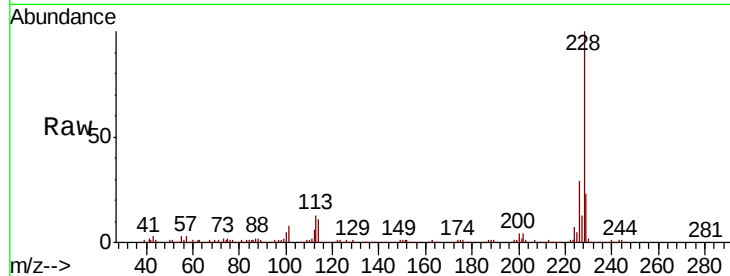
#83
Chrysene
Concen: 10.808 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121845.D
Acq: 6 Oct 2020 11:17

Instrument :
BNA_F
ClientSampleId :
B-20(12-14)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.6	37.0
229	22.5	15.9	23.9

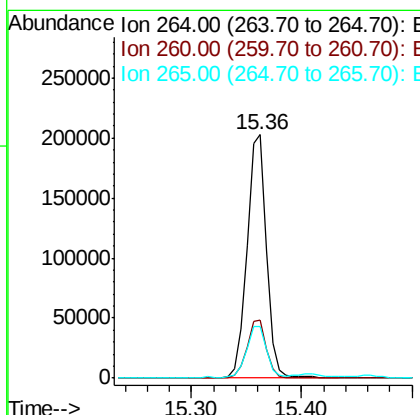
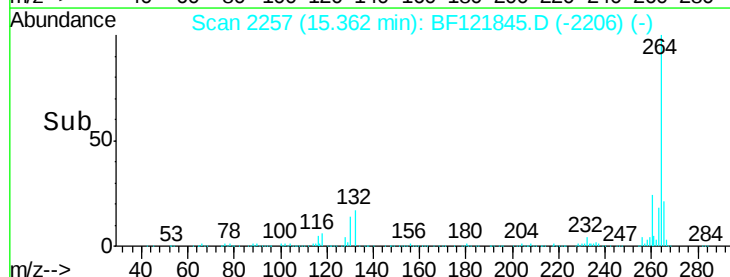
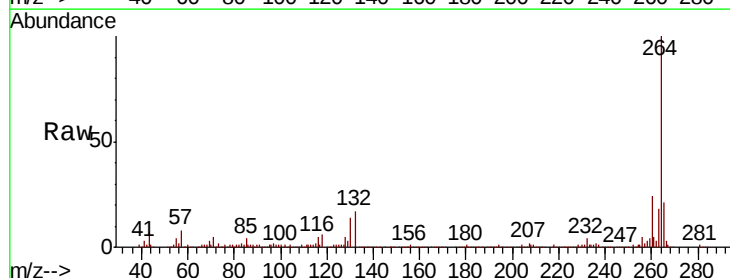
Manual Integrations
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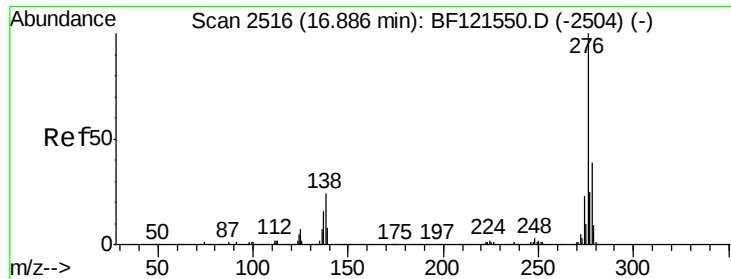
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.00 min
Lab File: BF121845.D
Acq: 6 Oct 2020 11:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	21.1	17.3	25.9





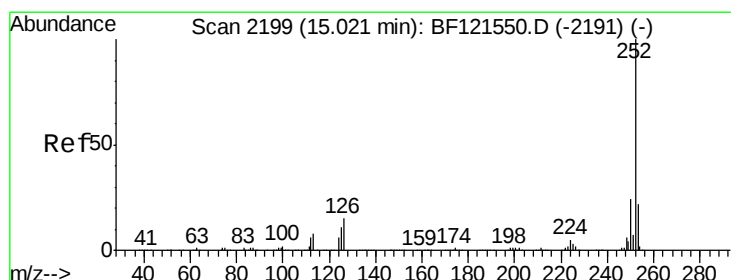
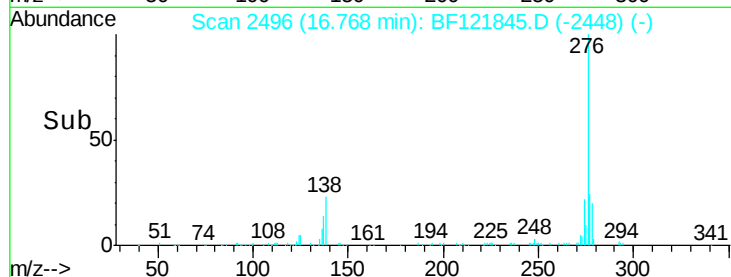
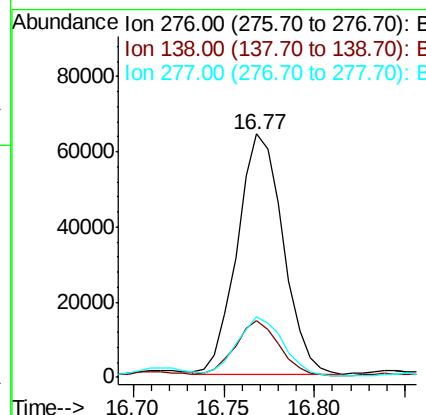
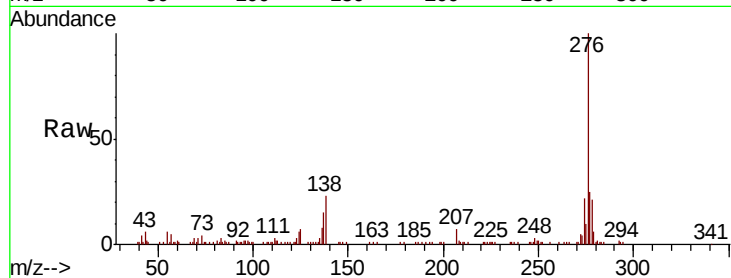
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.853 ng
 RT: 16.77 min Scan# 2496
 Delta R.T. -0.02 min
 Lab File: BF121845.D
 Acq: 6 Oct 2020 11:17

Instrument :
 BNA_F
 ClientSampleId :
 B-20(12-14)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.2	19.9	29.9
277	24.6	20.4	30.6

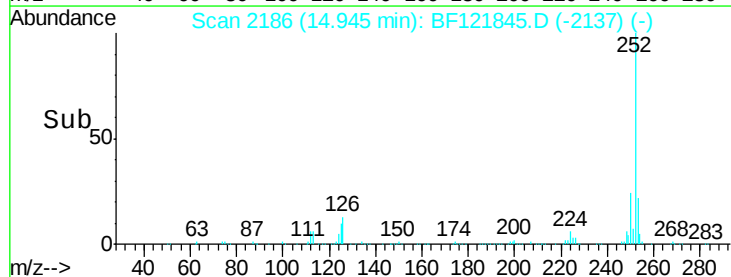
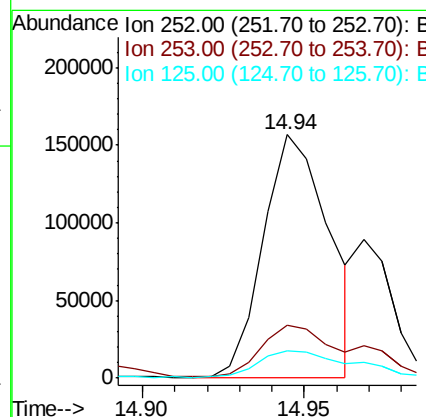
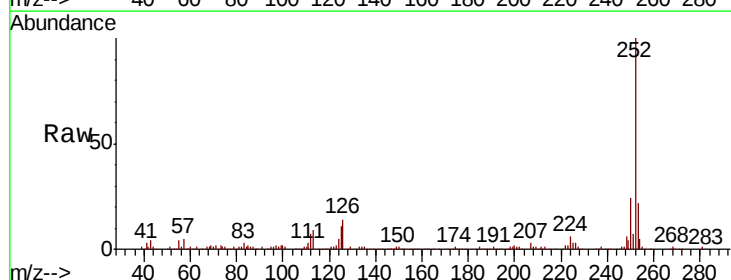
Manual Integrations
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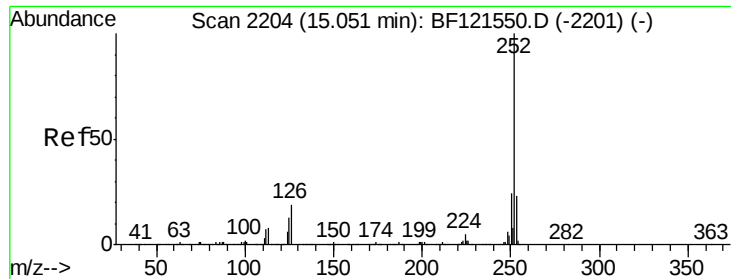
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 13.176 ng m
 RT: 14.94 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: BF121845.D
 Acq: 6 Oct 2020 11:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2
125	11.4	8.0	12.0





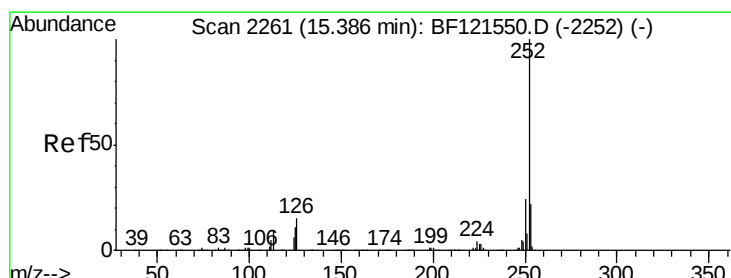
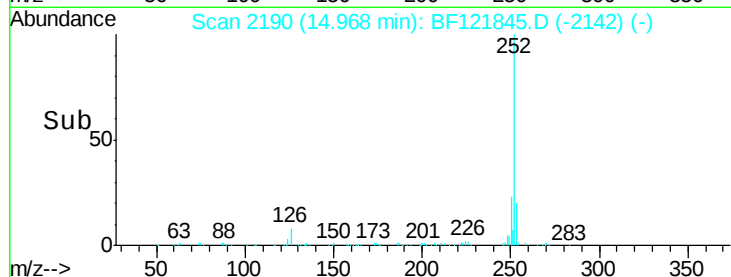
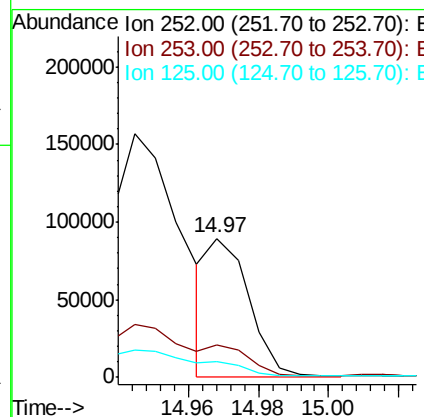
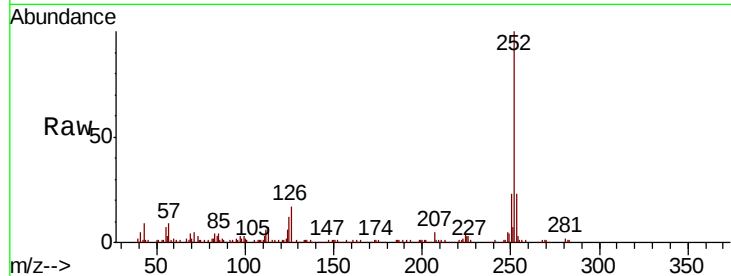
#89
Benzo(k)fluoranthene
Concen: 4.712 ng/mL
RT: 14.97 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF121845.D
Acq: 6 Oct 2020 11:17

Instrument :
BNA_F
ClientSampleID :
B-20(12-14)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	11.6	7.7	11.5

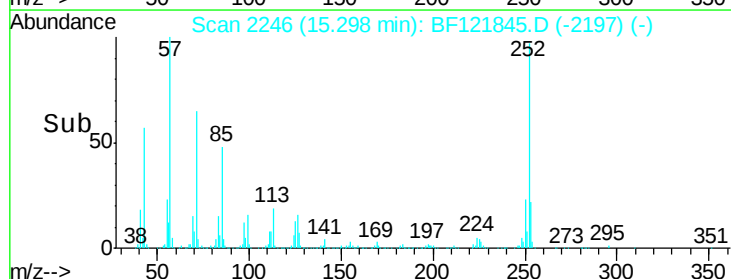
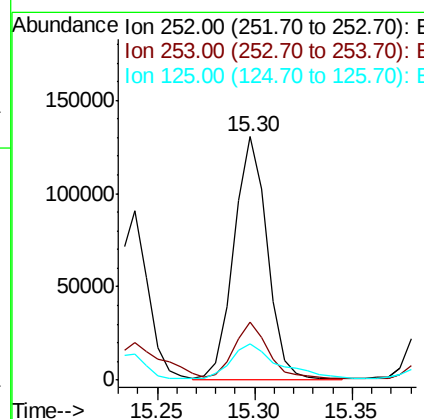
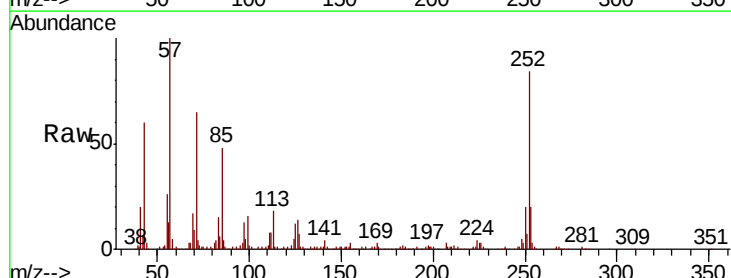
Manual Integrations
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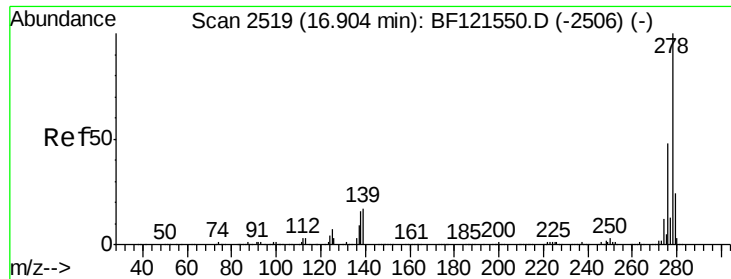
mohammad
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#90
Benzo(a)pyrene
Concen: 10.748 ng/mL
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF121845.D
Acq: 6 Oct 2020 11:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.3	25.9
125	14.8	8.6	13.0





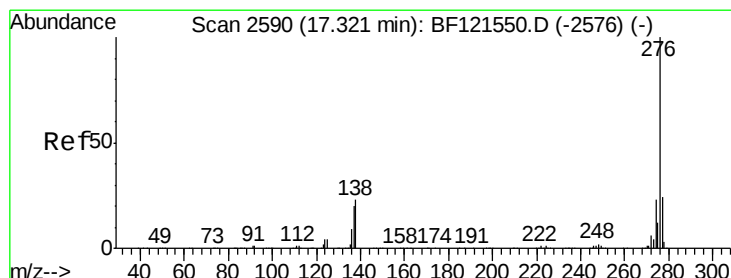
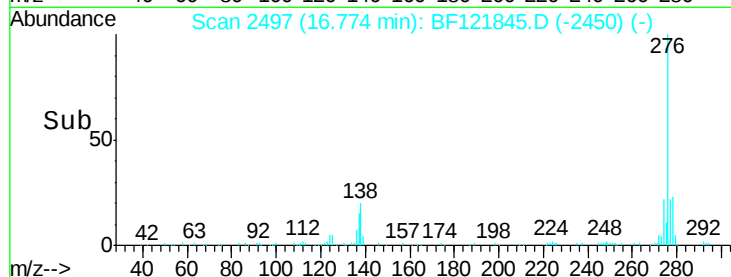
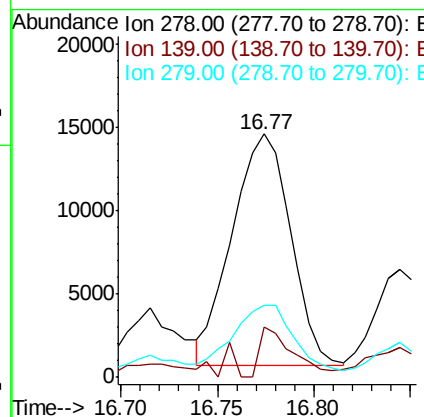
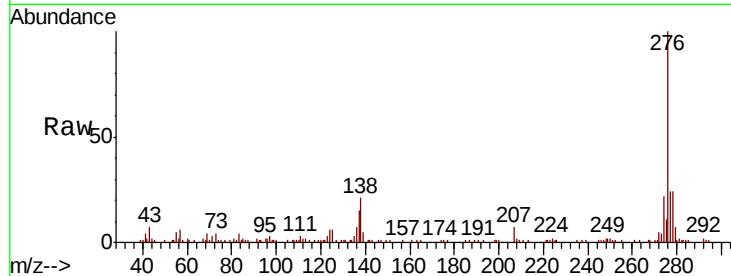
#91
Dibenzo(a,h)anthracene
Concen: 2.165 ng m
RT: 16.77 min Scan# 2497
Delta R.T. -0.02 min
Lab File: BF121845.D
Acq: 6 Oct 2020 11:17

Instrument :
BNA_F
ClientSampleId :
B-20(12-14)DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.8	13.0	19.4#
279	29.6	19.0	28.4#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 8.245 ng
RT: 17.20 min Scan# 2569
Delta R.T. -0.01 min
Lab File: BF121845.D
Acq: 6 Oct 2020 11:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.4	29.2
138	21.0	17.8	26.6

