

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082520\
 Data File : BF121437.D
 Acq On : 25 Aug 2020 20:13
 Operator : JU/CG
 Sample : L3786-08 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1994

Manual Integrations
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Quant Time: Aug 26 06:35:45 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	154862	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	614010	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	265279	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	176592	20.00	ng	0.04
76) Chrysene-d12	13.89	240	237033	20.00	ng	0.04
86) Perylene-d12	15.30	264	379414	20.00	ng	0.05

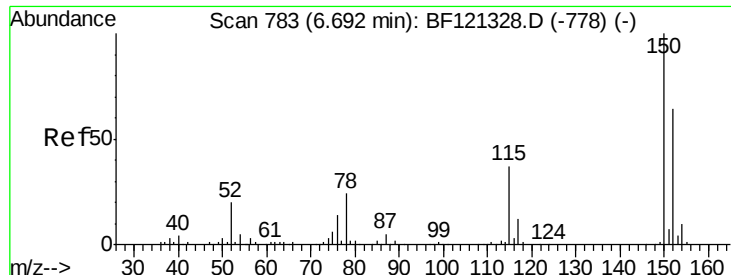
System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	282616	29.92	ng	0.00
7) Phenol-d6	6.35	99	349545	28.99	ng	0.00
23) Nitrobenzene-d5	7.26	82	233851	21.54	ng	0.00
42) 2,4,6-Tribromophenol	10.54	330	67614	21.87	ng	0.02
45) 2-Fluorobiphenyl	9.05	172	453544	23.46	ng	0.00
79) Terphenyl-d14	12.84	244	193822	15.98	ng	0.04

Target Compounds

						Qvalue
49) Acenaphthylene	9.59	152	147628	6.068	ng	# 92
50) Dimethylphthalate	9.45	163	48143	2.495	ng	# 87
52) Acenaphthene	9.77	154	104191	7.048	ng	98
58) Fluorene	10.29	166	126942	3.446	ng	# 93
71) Phenanthrene	11.28	178	552464	60.448	ng	97
72) Anthracene	11.33	178	170437m	19.365	ng	
73) Carbazole	11.48	167	52420	6.241	ng	# 59
75) Fluoranthene	12.49	202	945997	95.361	ng	96
78) Pyrene	12.72	202	943542	52.992	ng	98
81) Benzo(a)anthracene	13.87	228	866148	58.832	ng	95
83) Chrysene	13.92	228	817562	54.297	ng	97
84) Bis(2-ethylhexyl)phthalate	13.85	149	145972	16.224	ng	# 96
87) Indeno(1,2,3-cd)pyrene	16.68	276	1043702	45.064	ng	96
88) Benzo(b)fluoranthene	14.90	252	1498969m	61.153	ng	
89) Benzo(k)fluoranthene	14.92	252	402154m	18.638	ng	
90) Benzo(a)pyrene	15.24	252	1068056	50.430	ng	98
91) Dibenzo(a,h)anthracene	16.68	278	267131	14.067	ng	93
92) Benzo(g,h,i)perylene	17.10	276	995147	53.605	ng	98

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



#1

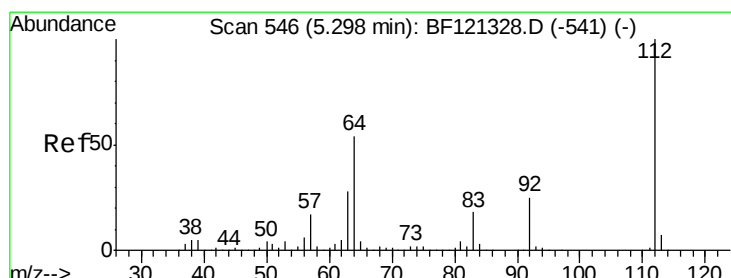
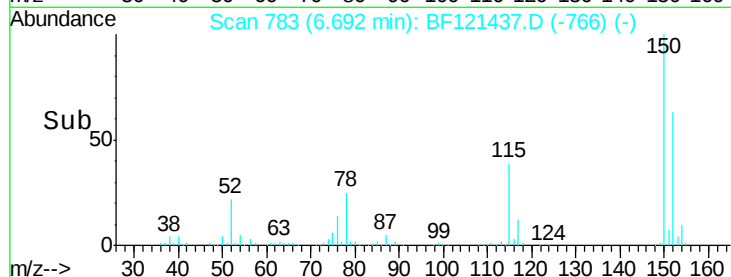
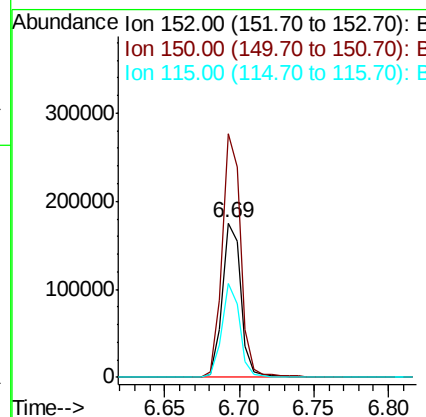
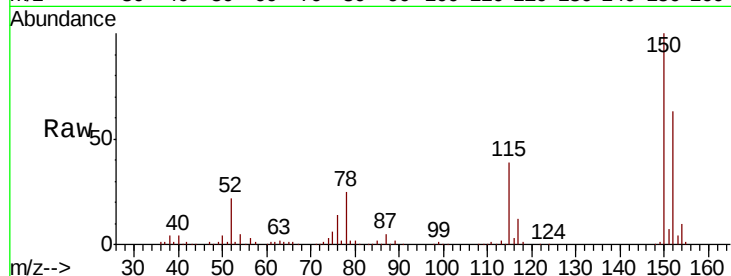
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF121437.D
Acq: 25 Aug 2020 20:13

Instrument :
BNA_F
ClientSampleId :
1994

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.8	187.2
115	60.9	46.1	69.1

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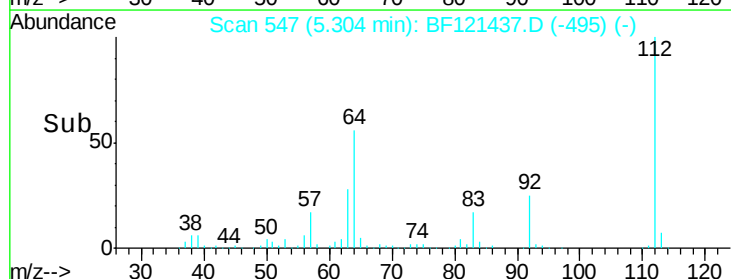
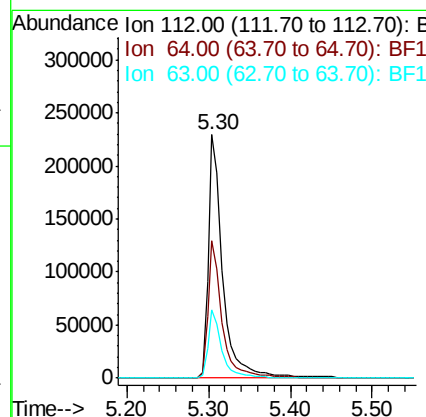
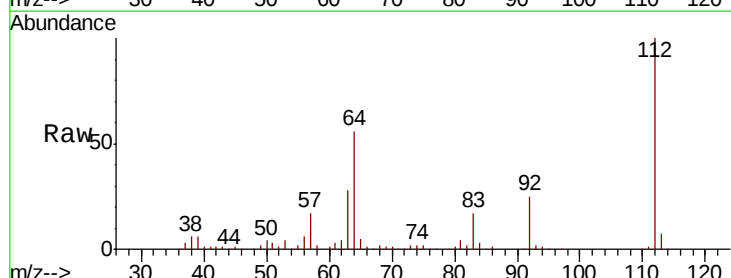
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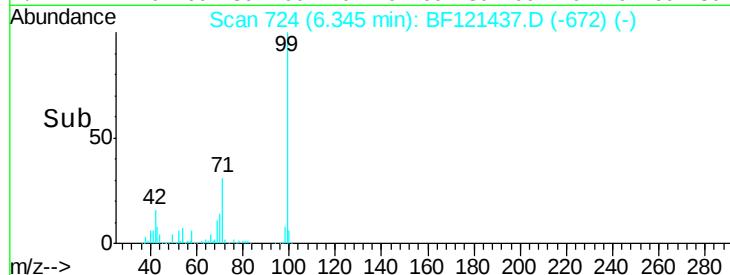
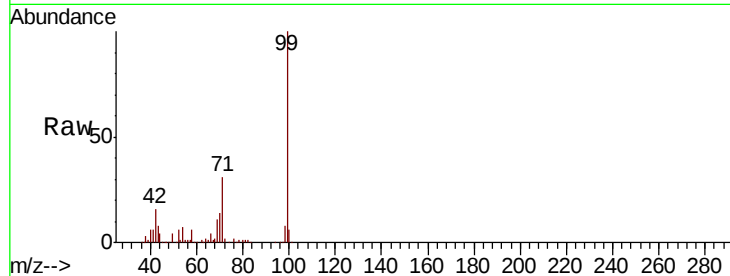
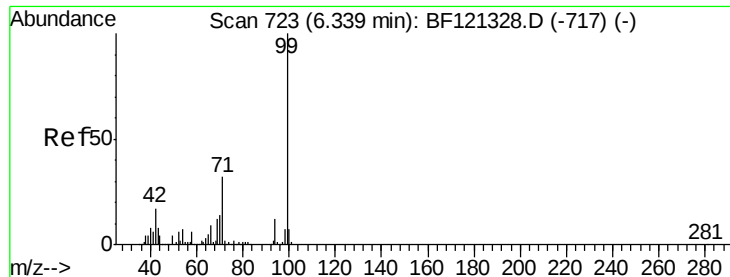


#5

2-Fluorophenol
Concen: 29.924 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF121437.D
Acq: 25 Aug 2020 20:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	43.5	65.3
63	28.1	22.0	33.0





#7

Phenol-d6

Concen: 28.992 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF121437.D

Acq: 25 Aug 2020 20:13

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		349545		
42	16.5	13.5	20.3		
71	30.6	25.2	37.8		

Instrument :

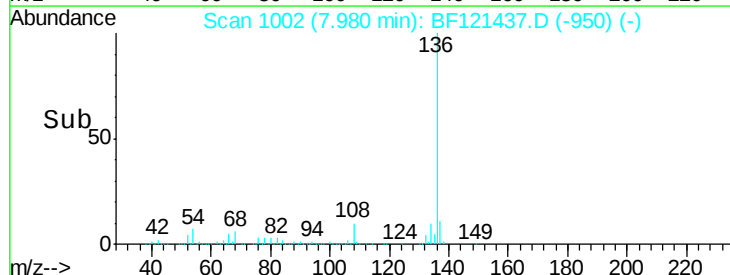
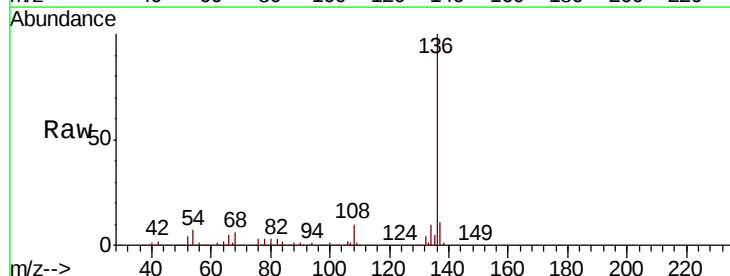
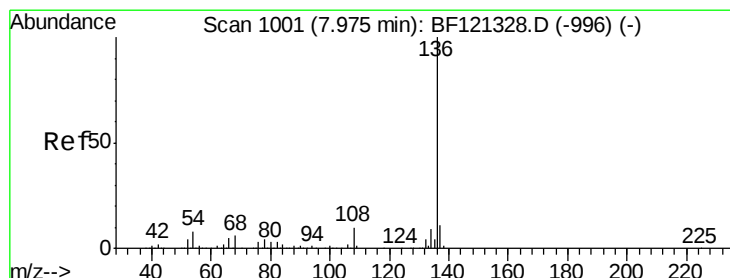
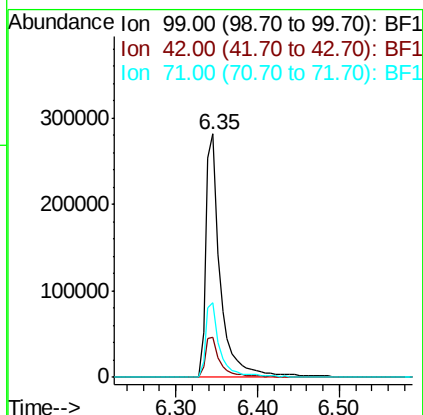
BNA_F

ClientSampleId :

1994

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#21

Naphthalene-d8

Concen: 20.000 ng

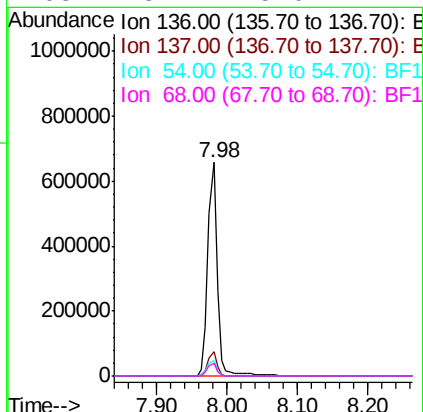
RT: 7.98 min Scan# 1002

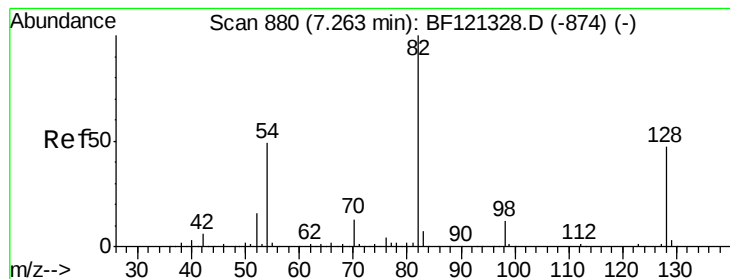
Delta R.T. 0.01 min

Lab File: BF121437.D

Acq: 25 Aug 2020 20:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		614010		
137	11.3	8.9	13.3		
54	7.3	6.1	9.1		
68	5.7	5.0	7.4		





#23

Nitrobenzene-d5

Concen: 21.540 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF121437.D

Acq: 25 Aug 2020 20:13

Instrument :

BNA_F

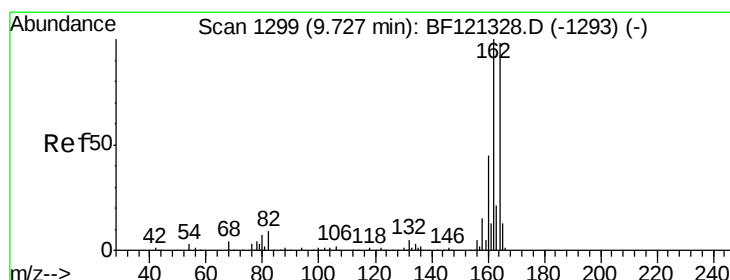
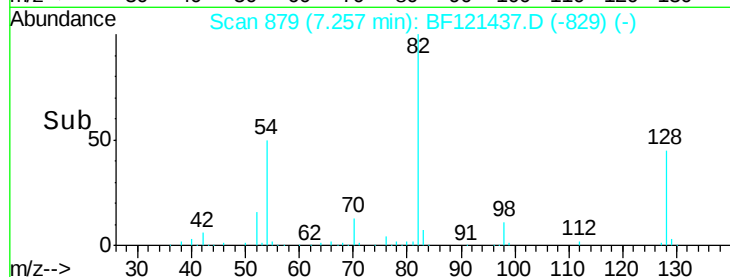
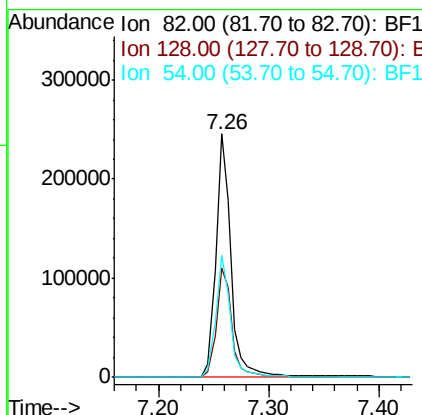
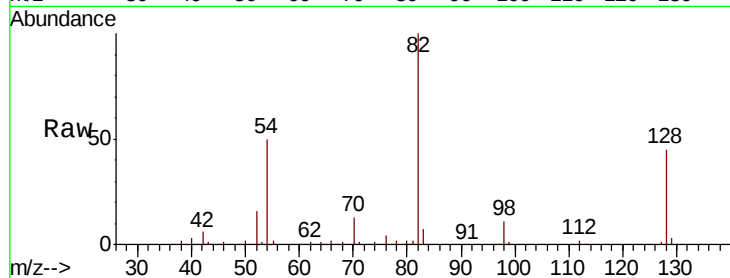
ClientSampled :

1994

Tot Ion	82	Resp	233851
Ion Ratio	Lower	Upper	
82	100		
128	44.8	37.9	56.9
54	50.4	39.0	58.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

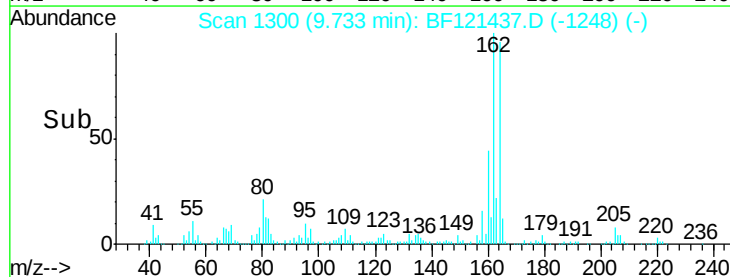
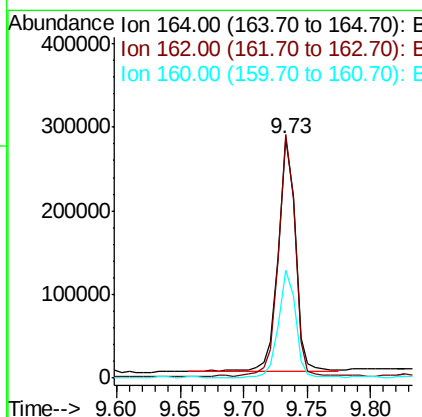
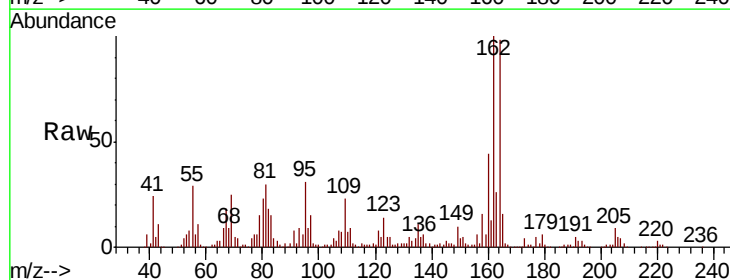
RT: 9.73 min Scan# 1300

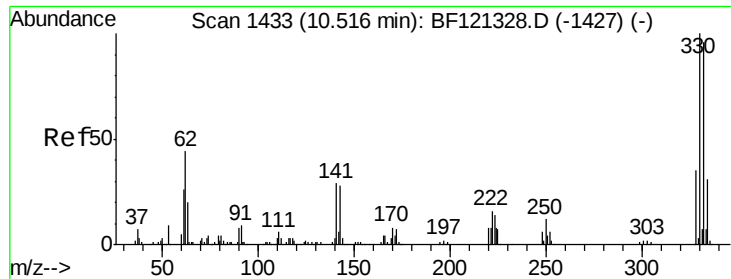
Delta R.T. 0.01 min

Lab File: BF121437.D

Acq: 25 Aug 2020 20:13

Tgt Ion	164	Resp	265279
Ion Ratio	Lower	Upper	
164	100		
162	101.7	81.7	122.5
160	45.1	37.0	55.4





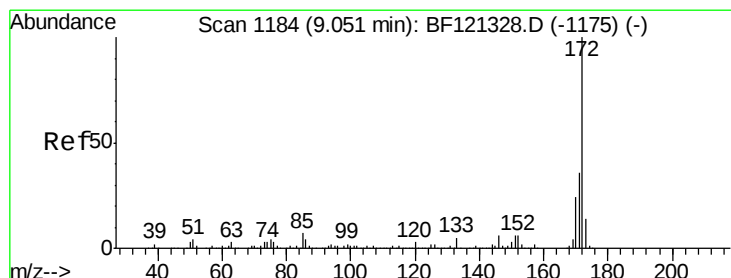
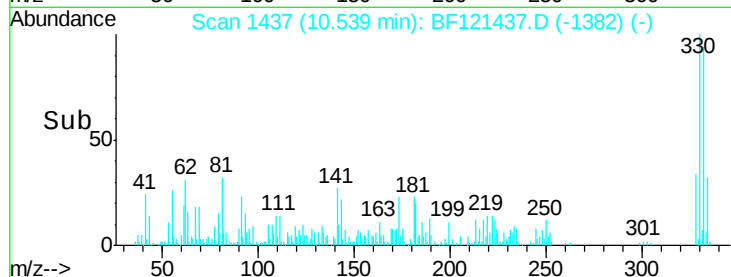
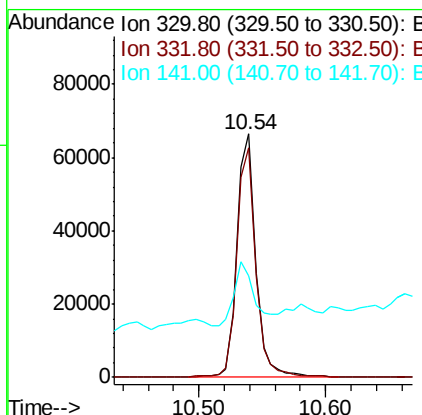
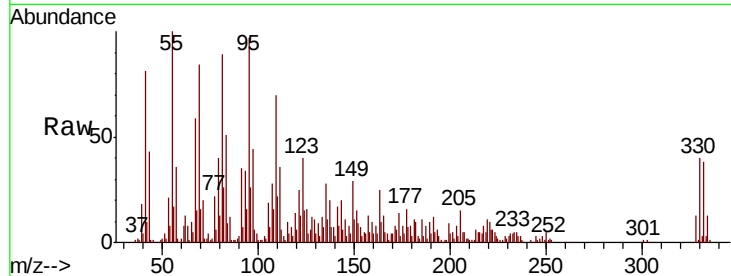
#42
 2,4,6-Tribromophenol
 Concen: 21.872 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.02 min
 Lab File: BF121437.D
 Acq: 25 Aug 2020 20:13

Instrument :
 BNA_F
 ClientSampled :
 1994

Tot Ion	Ratio	Resp	Lower	Upper
330	100	67614		
332	95.8	76.9	115.3	
141	29.7	22.8	34.2	

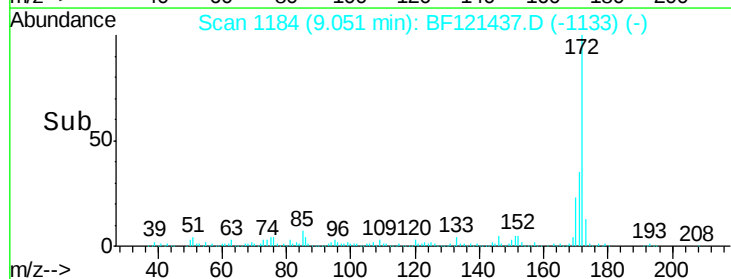
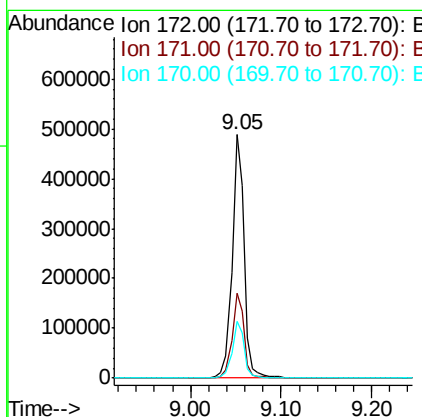
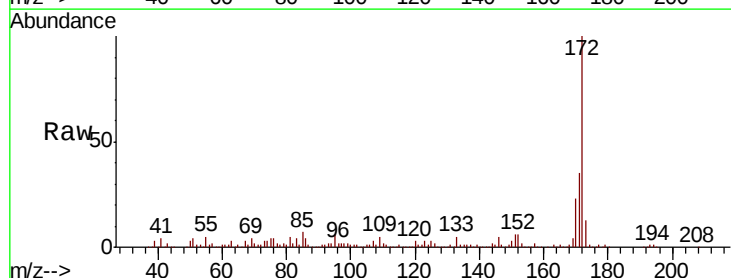
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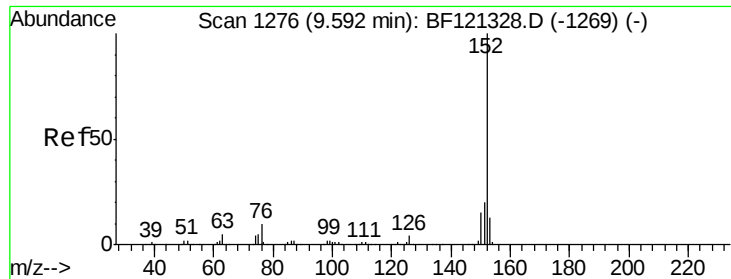
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#45
 2-Fluorobiphenyl
 Concen: 23.462 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: BF121437.D
 Acq: 25 Aug 2020 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	453544		
171	35.1	29.0	43.6	
170	23.2	19.4	29.2	





#49

Acenaphthylene

Concen: 6.068 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.00 min

Lab File: BF121437.D

Acq: 25 Aug 2020 20:13

Instrument :

BNA_F

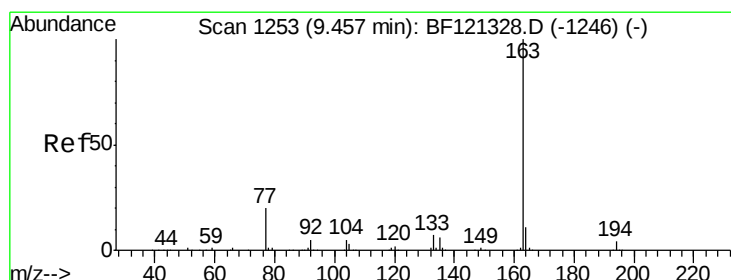
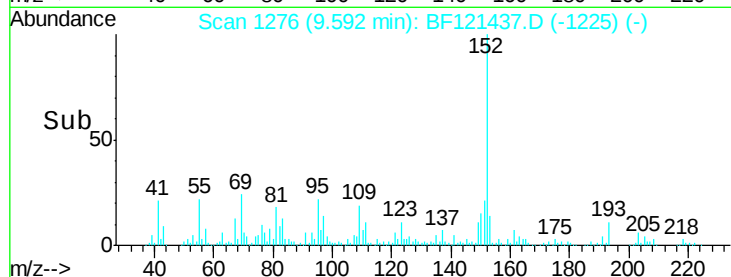
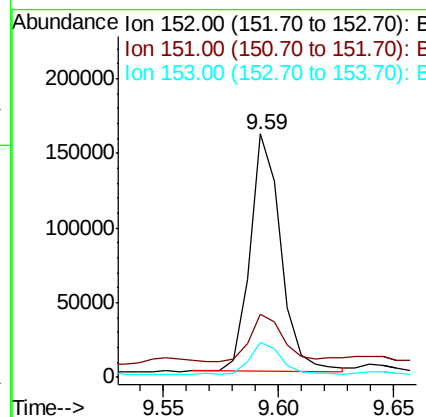
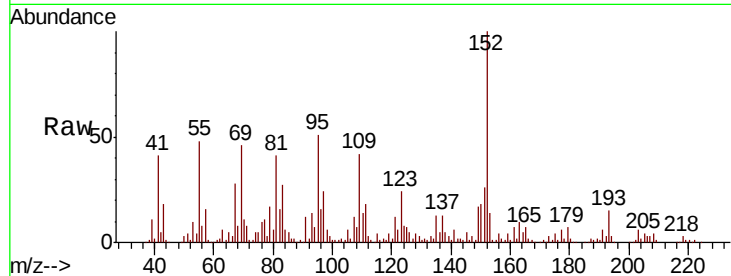
ClientSampleId :

1994

Tot Ion:	152	Resp:	147628
Ion Ratio	Lower	Upper	
152	100		
151	25.9	16.4	24.6#
153	14.3	10.6	16.0

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#50

Dimethylphthalate

Concen: 2.495 ng

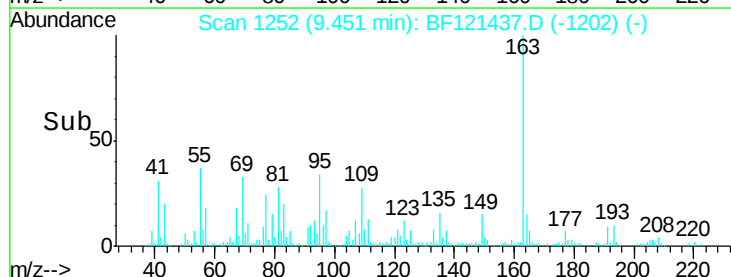
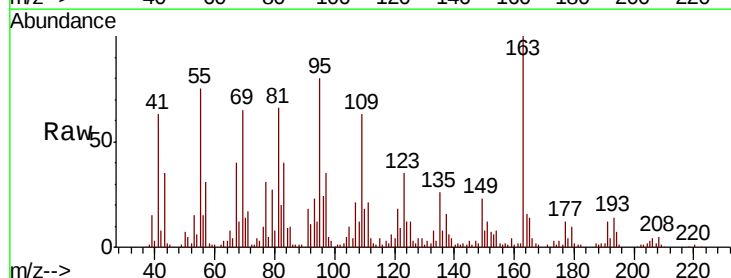
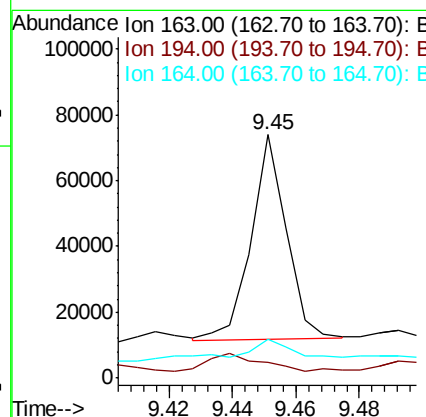
RT: 9.45 min Scan# 1252

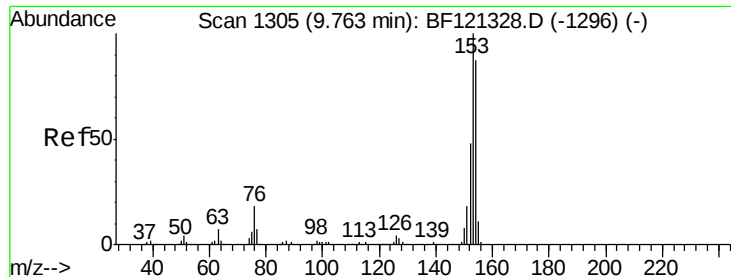
Delta R.T. -0.01 min

Lab File: BF121437.D

Acq: 25 Aug 2020 20:13

Tgt Ion:	163	Resp:	48143
Ion Ratio	Lower	Upper	
163	100		
194	6.7	3.0	4.6#
164	16.2	8.4	12.6#





#52

Acenaphthene

Concen: 7.048 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.01 min

Lab File: BF121437.D

Acq: 25 Aug 2020 20:13

Instrument :

BNA_F

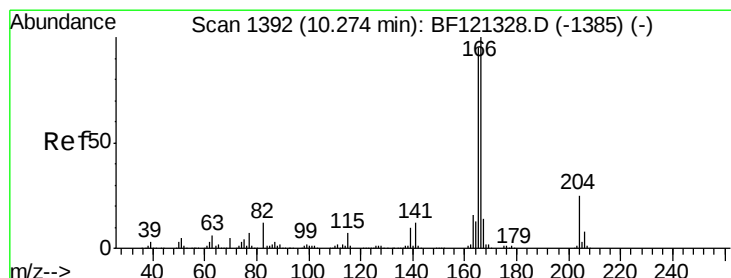
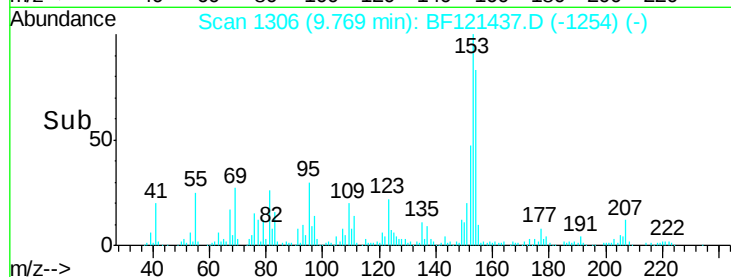
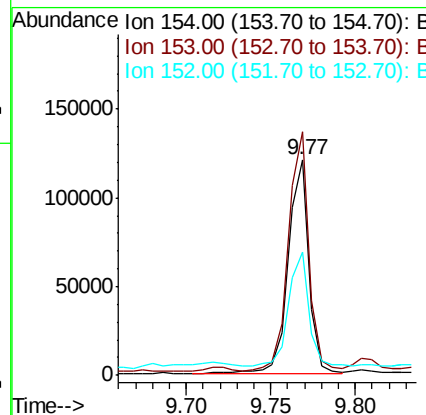
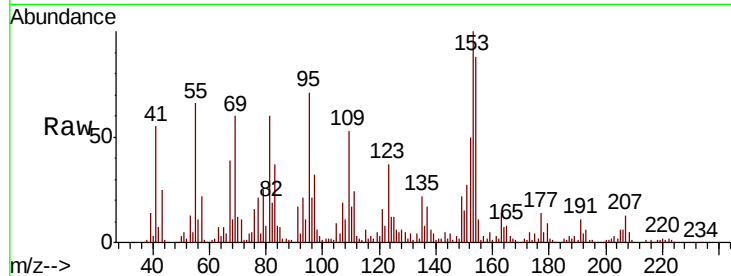
ClientSampleId :

1994

Tot Ion:	154	Resp:	104191
Ion Ratio	Lower	Upper	
154	100		
153	113.0	92.0	138.0
152	57.0	44.6	66.8

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#58

Fluorene

Concen: 3.446 ng

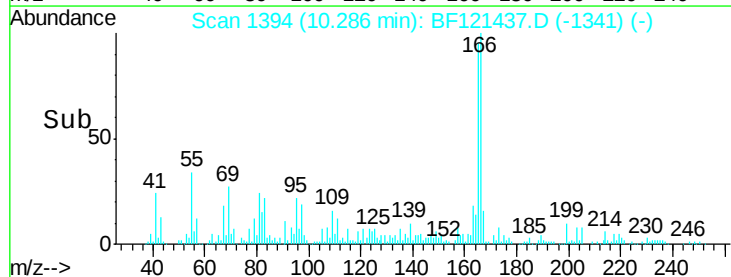
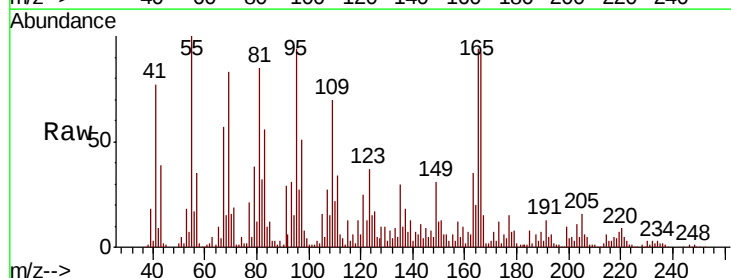
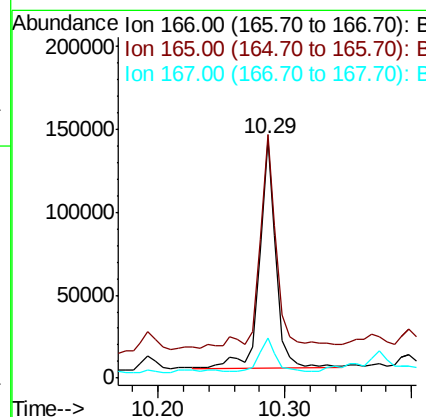
RT: 10.29 min Scan# 1394

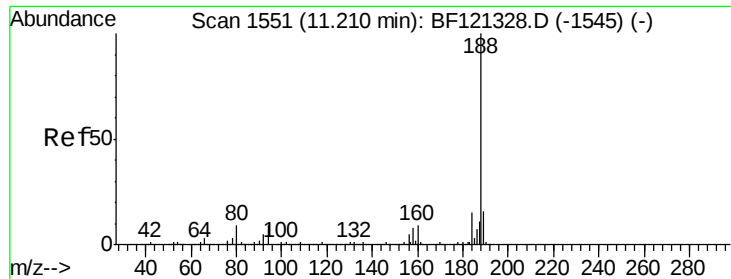
Delta R.T. 0.01 min

Lab File: BF121437.D

Acq: 25 Aug 2020 20:13

Tgt Ion:	166	Resp:	126942
Ion Ratio	Lower	Upper	
166	100		
165	102.0	75.8	113.8
167	16.7	11.0	16.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1557

Delta R.T. 0.04 min

Lab File: BF121437.D

Acq: 25 Aug 2020 20:13

Instrument :

BNA_F

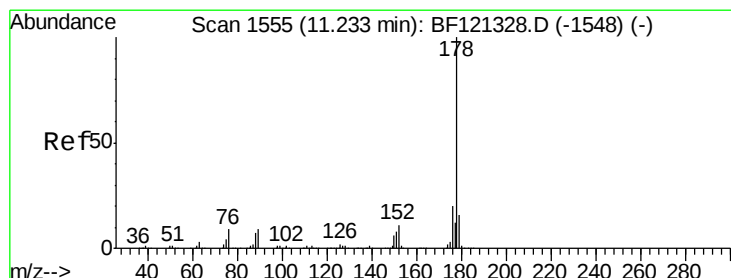
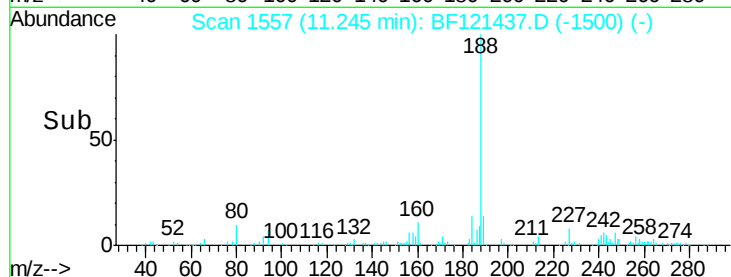
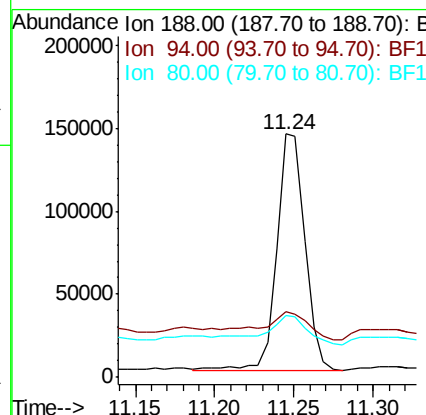
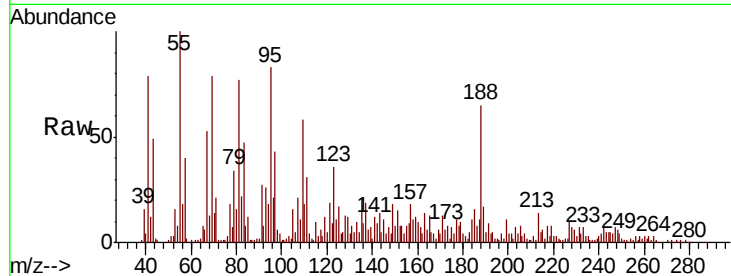
ClientSampleId :

1994

Tot Ion:	188	Resp:	176592
Ion Ratio	Lower	Upper	
188	100		
94	27.1	7.2	10.8#
80	25.2	7.4	11.0#

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#71

Phenanthrene

Concen: 60.448 ng

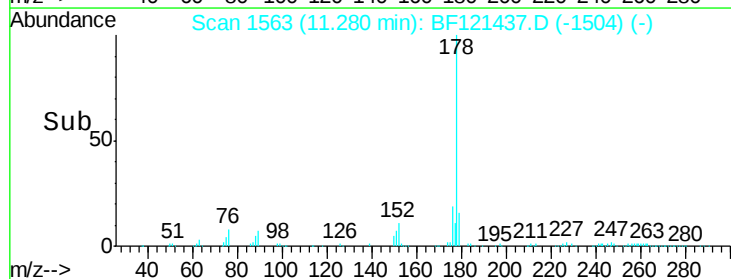
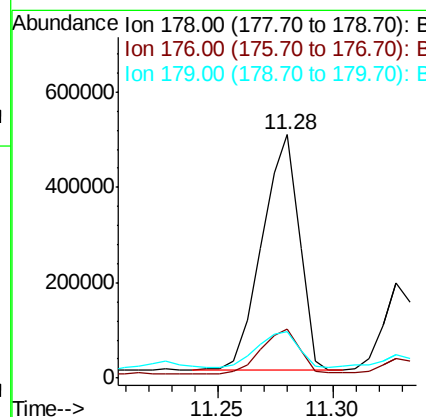
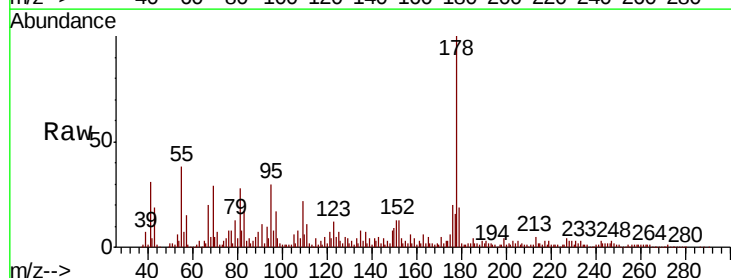
RT: 11.28 min Scan# 1563

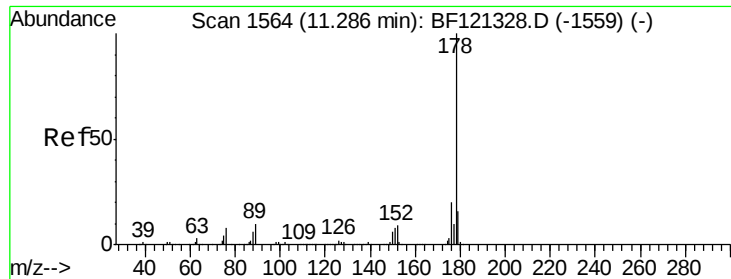
Delta R.T. 0.05 min

Lab File: BF121437.D

Acq: 25 Aug 2020 20:13

Tgt Ion:	178	Resp:	552464
Ion Ratio	Lower	Upper	
178	100		
176	20.4	16.0	24.0
179	18.9	12.8	19.2





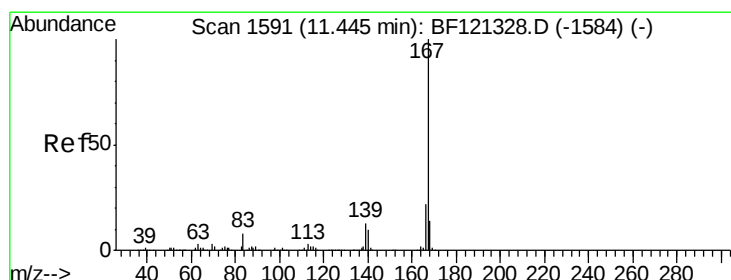
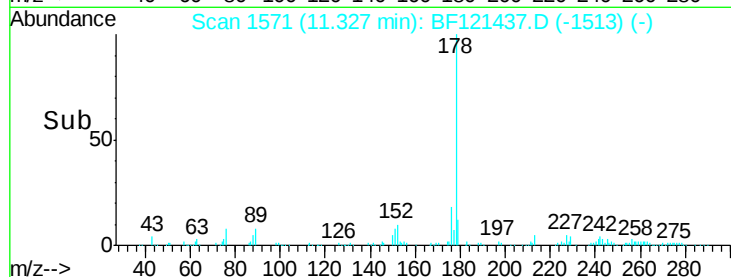
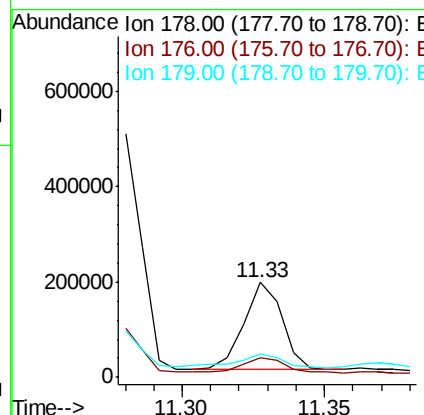
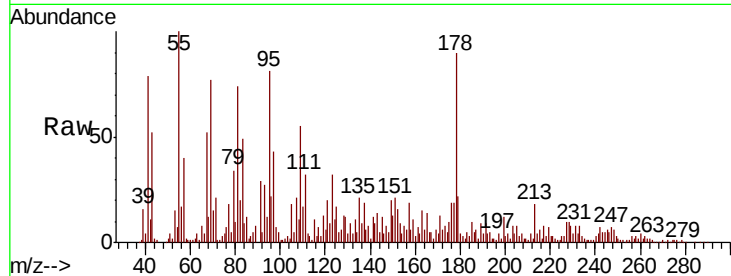
#72
 Anthracene
 Concen: 19.365 ng/mL
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.04 min
 Lab File: BF121437.D
 Acq: 25 Aug 2020 20:13

Instrument :
 BNA_F
 ClientSampleId :
 1994

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	21.3	15.6	23.4	
179	24.1	12.8	19.2	

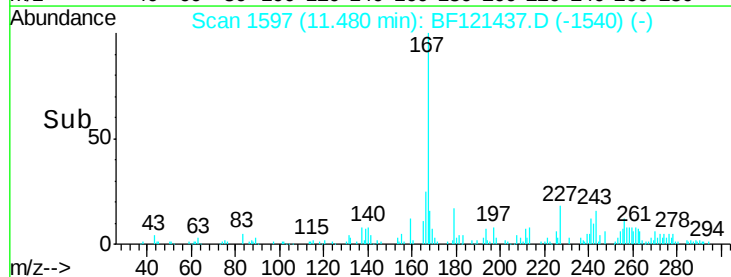
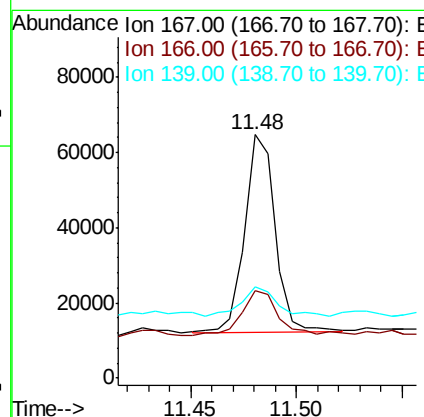
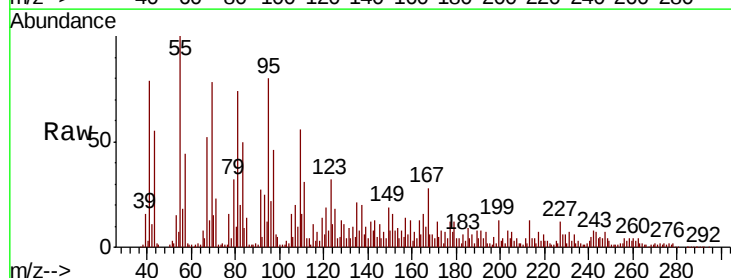
Manual Integrations
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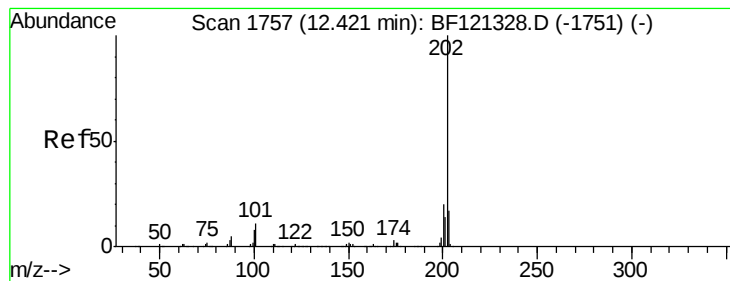
mohammad
 8/26/2020 4:01:03 PM



#73
 Carbazole
 Concen: 6.241 ng/mL
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.04 min
 Lab File: BF121437.D
 Acq: 25 Aug 2020 20:13

Tgt Ion	Ion	Ratio	Lower	Upper
167	100			
166	35.8	17.7	26.5	
139	37.5	10.2	15.2	





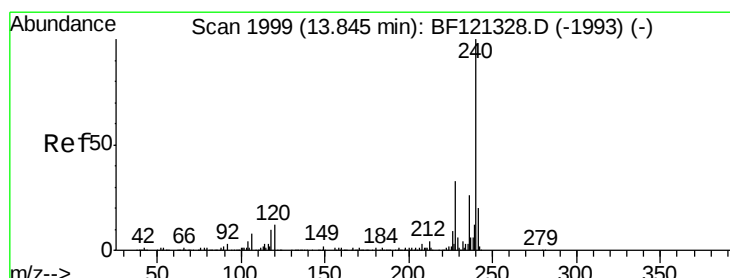
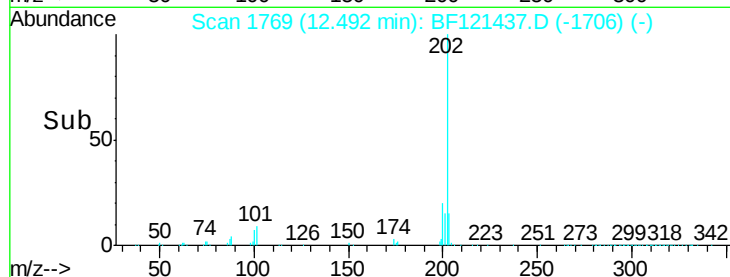
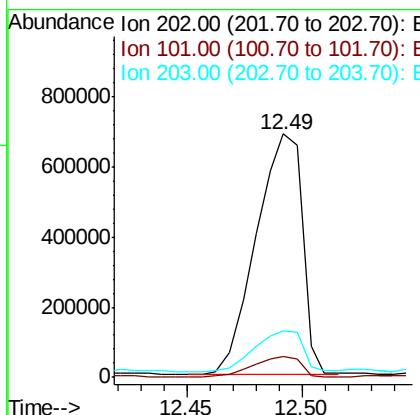
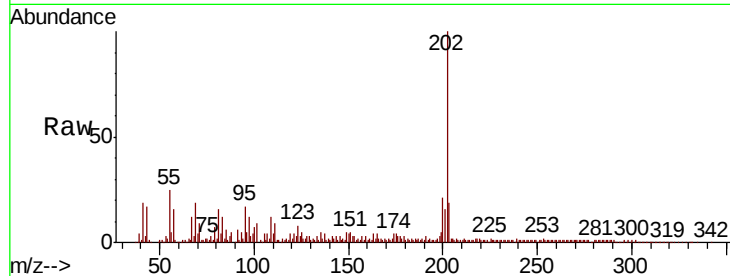
#75
 Fluoranthene
 Concen: 95.361 ng
 RT: 12.49 min Scan# 1769
 Delta R.T. 0.07 min
 Lab File: BF121437.D
 Acq: 25 Aug 2020 20:13

Instrument :
 BNA_F
 ClientSampleId :
 1994

Tot Ion	Ratio	Resp	Lower	Upper
202	100	945997		
101	8.8	0.0	30.6	
203	19.3	0.0	37.5	

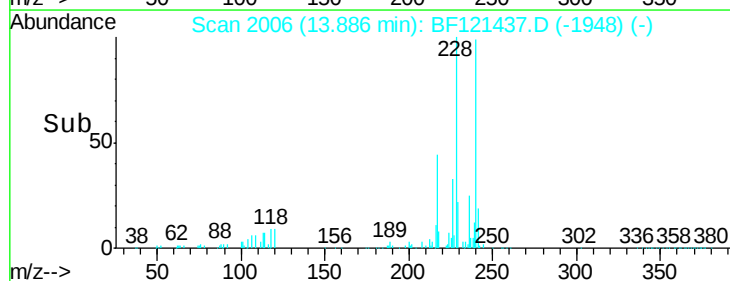
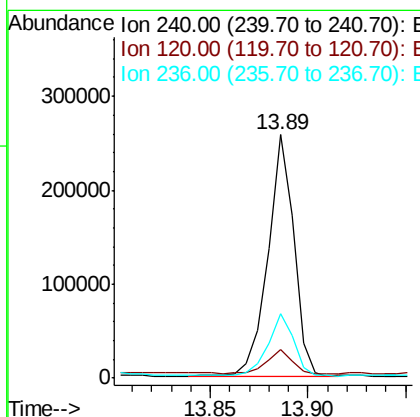
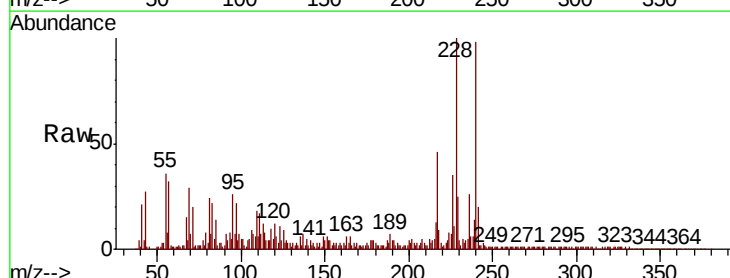
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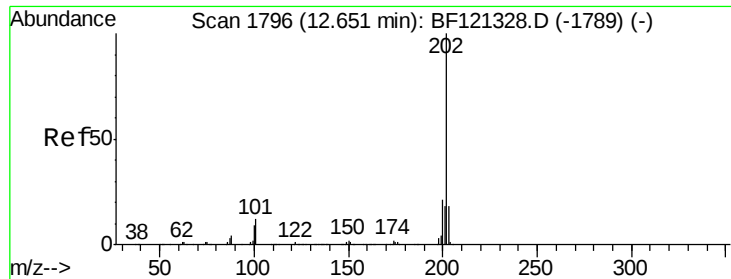
mohammad
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. 0.04 min
 Lab File: BF121437.D
 Acq: 25 Aug 2020 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	237033		
120	11.9	9.6	14.4	
236	26.5	20.6	31.0	





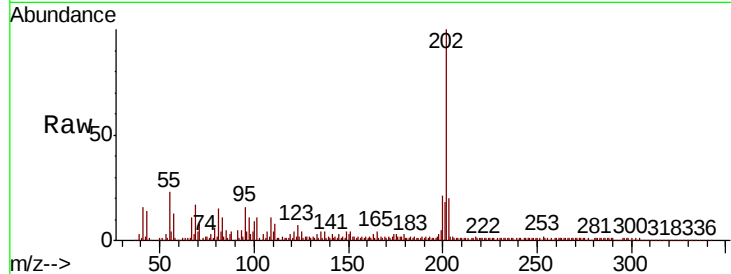
#78
Pvrene
Concen: 52.992 ng
RT: 12.72 min Scan# 1808
Delta R.T. 0.07 min
Lab File: BF121437.D
Acq: 25 Aug 2020 20:13

Instrument :
BNA_F
ClientSampled :
1994

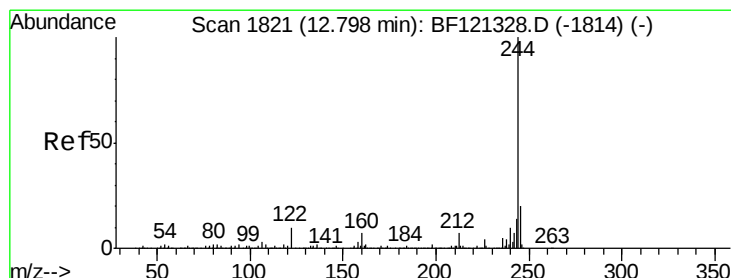
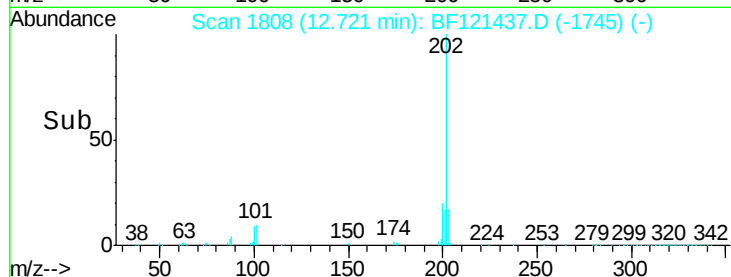
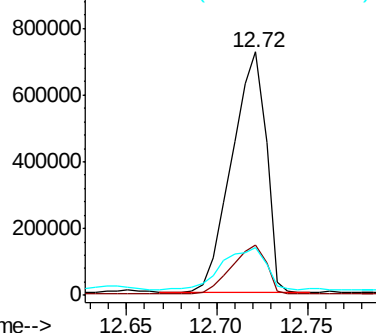
Tot Ion:202	Resp:	943542
Ion Ratio	Lower	Upper
202 100		
200 20.8	16.6	24.8
203 19.8	14.2	21.2

Manual Integrations
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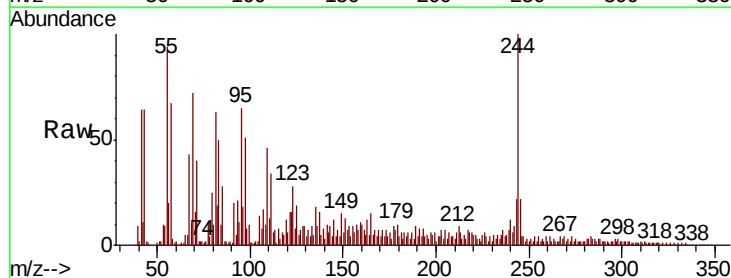


Abundance Ion 202.00 (201.70 to 202.70): E
1000000 Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

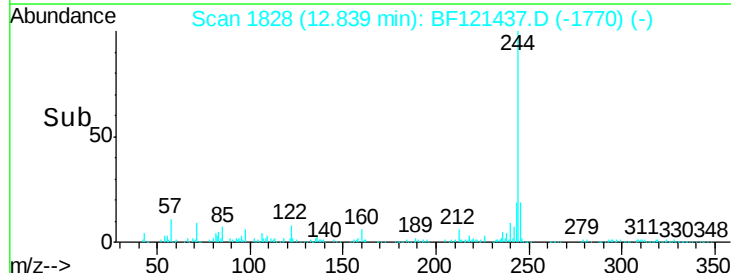
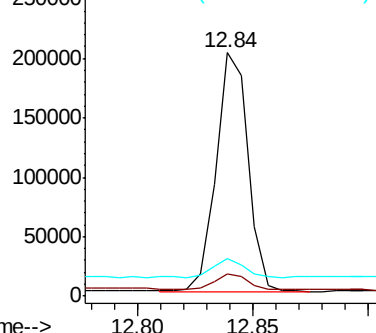


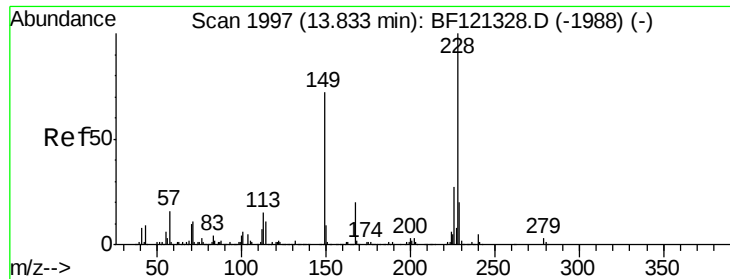
#79
Terphenyl-d14
Concen: 15.979 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.04 min
Lab File: BF121437.D
Acq: 25 Aug 2020 20:13

Tgt Ion:244	Resp:	193822
Ion Ratio	Lower	Upper
244 100		
212 9.0	5.4	8.0#
122 15.6	7.8	11.8#



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





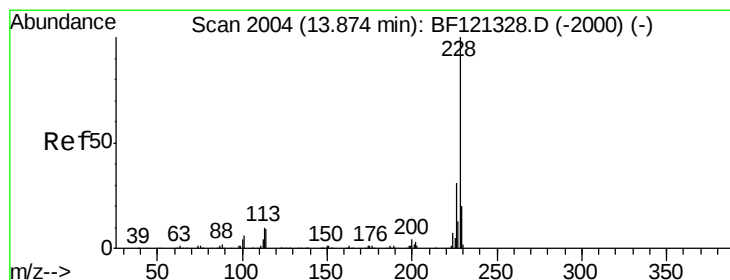
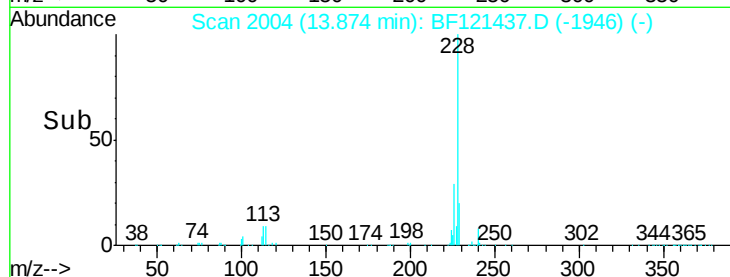
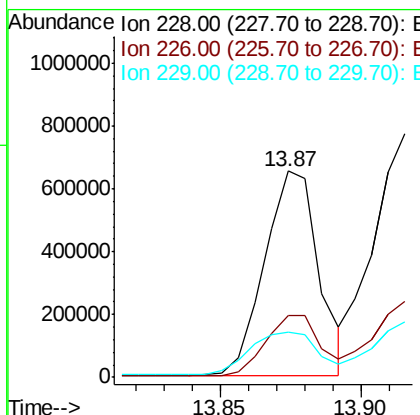
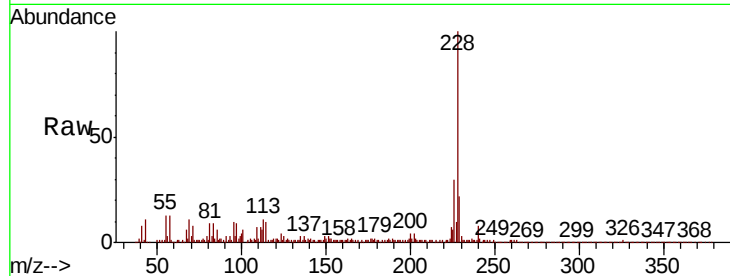
#81
Benzo(a)anthracene
Concen: 58.832 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.04 min
Lab File: BF121437.D
Acq: 25 Aug 2020 20:13

Instrument :
BNA_F
ClientSampled :
1994

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	21.8	32.6
229	22.2	15.8	23.8

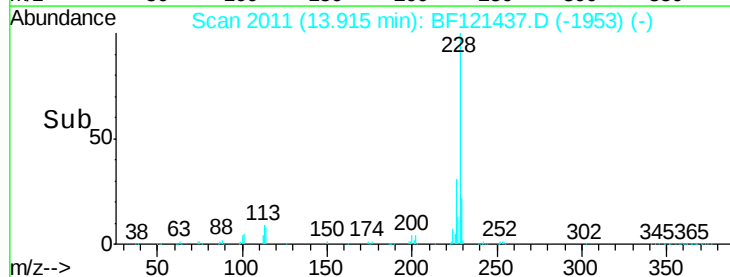
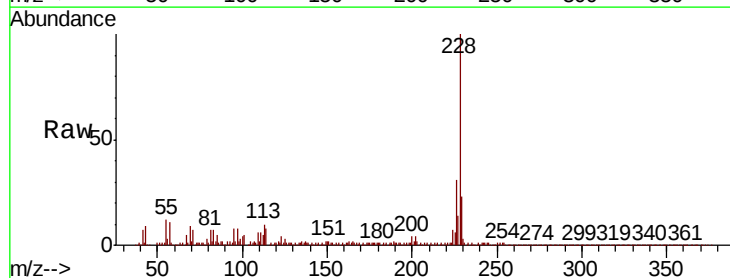
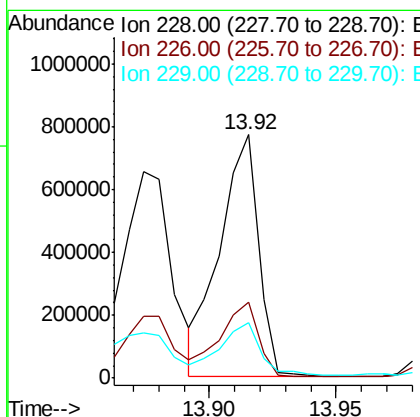
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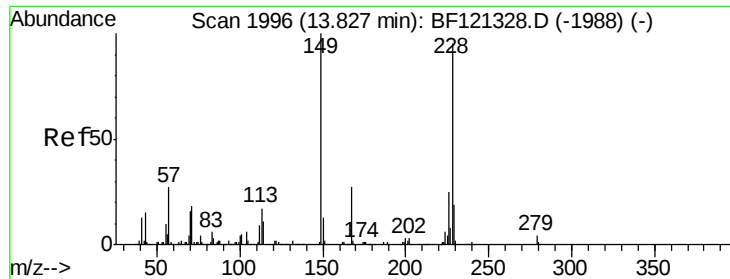
mohammad
8/26/2020 4:01:03 PM



#83
Chrysene
Concen: 54.297 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.04 min
Lab File: BF121437.D
Acq: 25 Aug 2020 20:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.6	36.8
229	22.9	15.9	23.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 16.224 ng

RT: 13.85 min Scan# 2000

Delta R.T. 0.02 min

Lab File: BF121437.D

Acq: 25 Aug 2020 20:13

Instrument :

BNA_F

ClientSampleId :

1994

Tot Ion:149 Resp: 145972

Ion Ratio Lower Upper

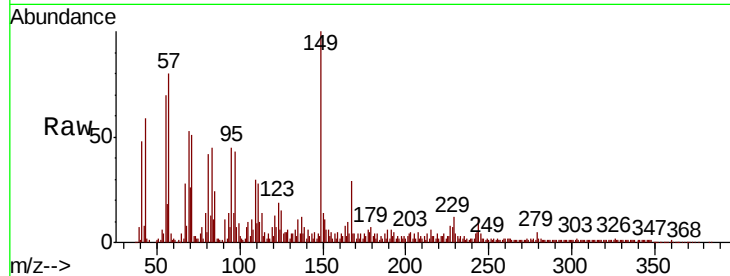
149 100

167 28.8 21.5 32.3

279 4.9 2.9 4.3#

Manual Integrations
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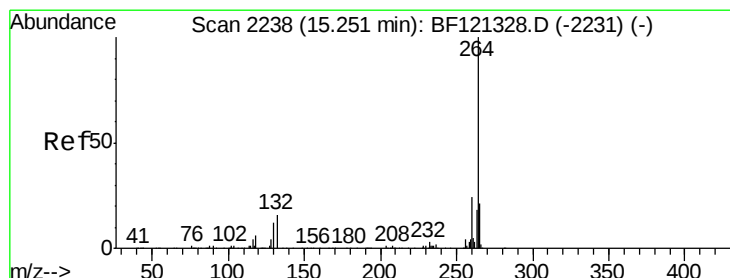
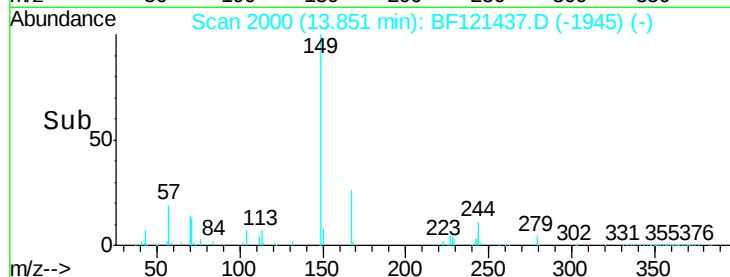
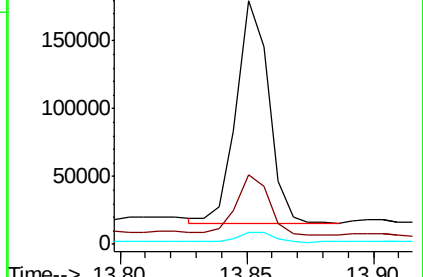
mohammad
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2246

Delta R.T. 0.05 min

Lab File: BF121437.D

Acq: 25 Aug 2020 20:13

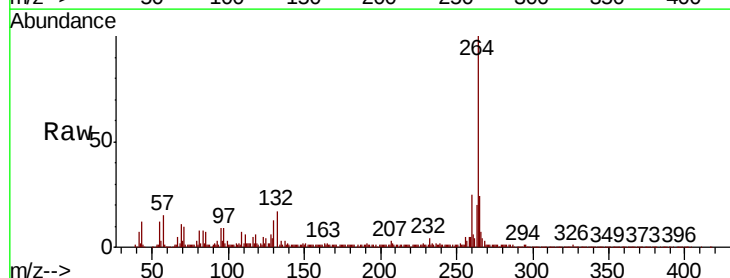
Tgt Ion:264 Resp: 379414

Ion Ratio Lower Upper

264 100

260 25.3 19.5 29.3

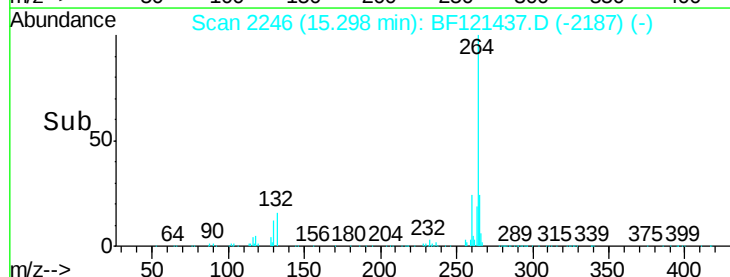
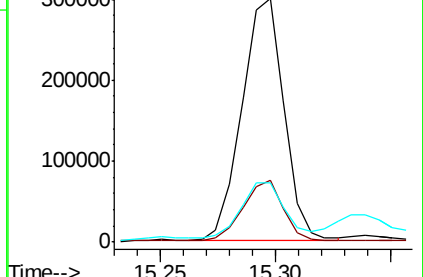
265 24.2 17.1 25.7

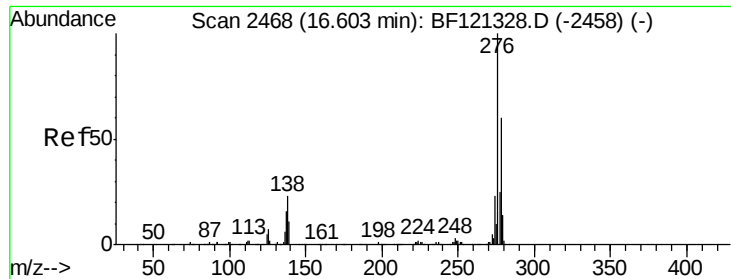


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





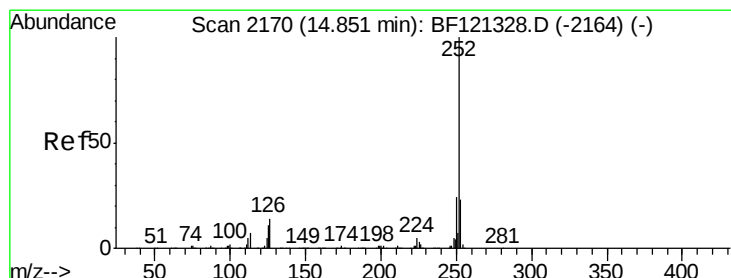
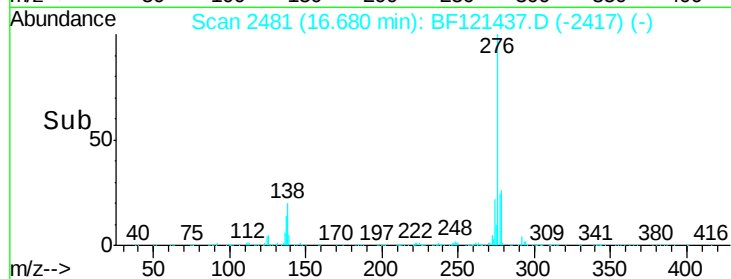
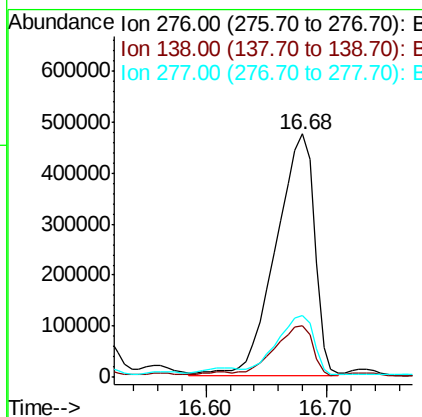
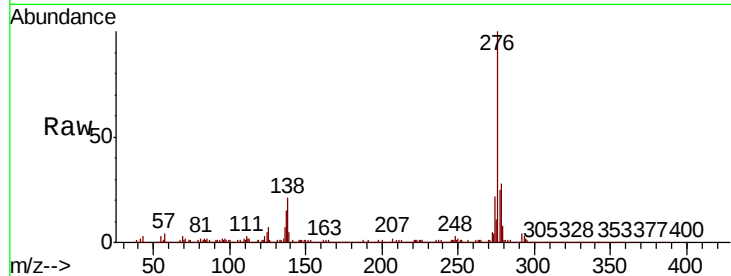
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 45.064 ng
 RT: 16.68 min Scan# 2481
 Delta R.T. 0.08 min
 Lab File: BF121437.D
 Acq: 25 Aug 2020 20:13

Instrument :
 BNA_F
 ClientSampleId :
 1994

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	19.4	29.0
277	24.0	19.9	29.9

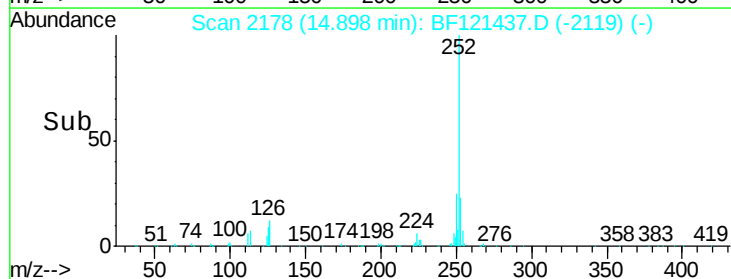
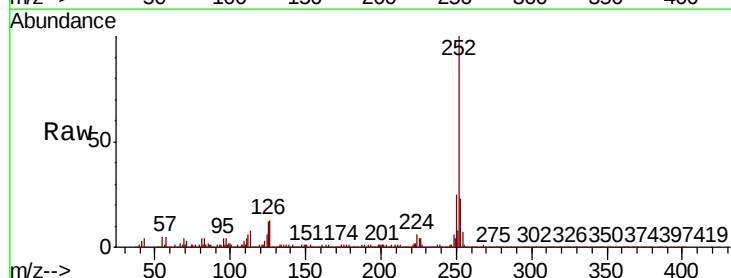
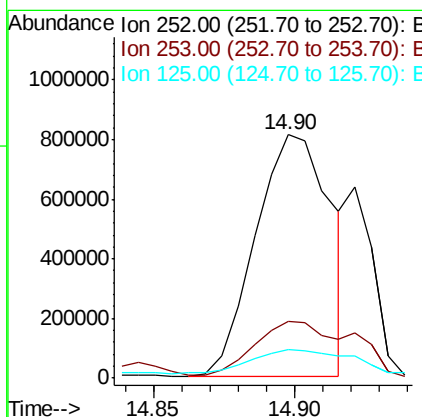
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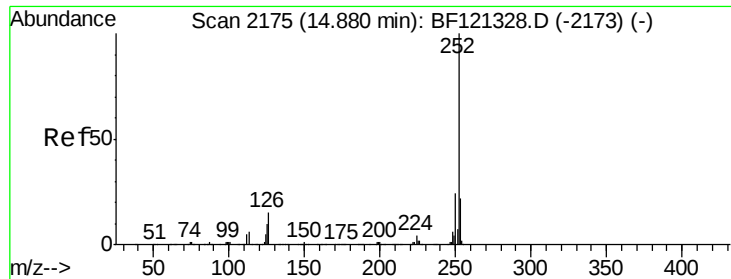
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 61.153 ng m
 RT: 14.90 min Scan# 2178
 Delta R.T. 0.05 min
 Lab File: BF121437.D
 Acq: 25 Aug 2020 20:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	11.7	8.6	12.8





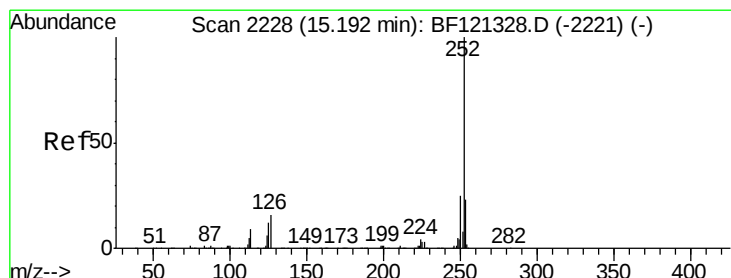
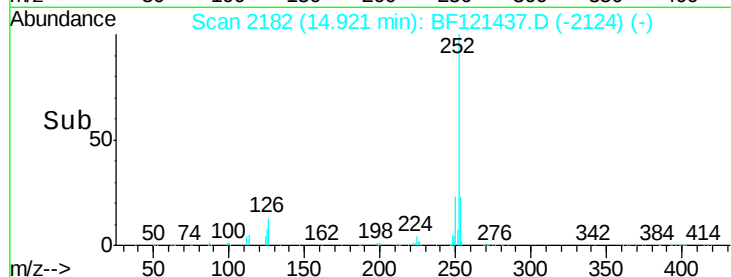
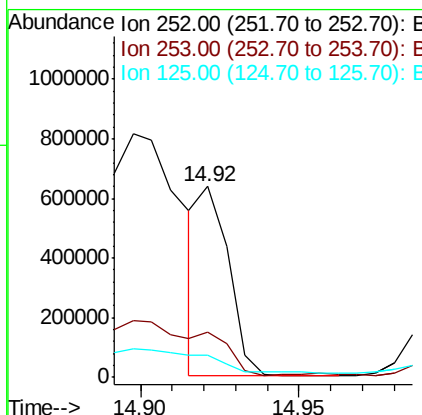
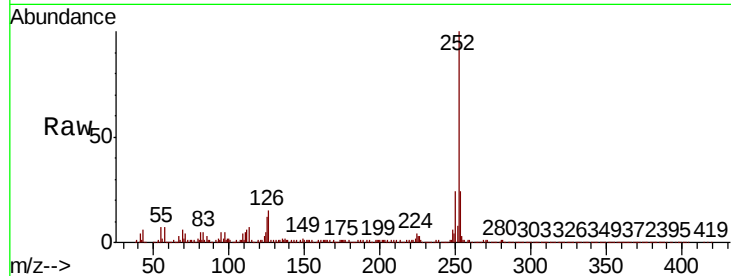
#89
Benzo(k)fluoranthene
Concen: 18.638 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.04 min
Lab File: BF121437.D
Acq: 25 Aug 2020 20:13

Instrument :
BNA_F
ClientSampled :
1994

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	11.7	8.6	12.8

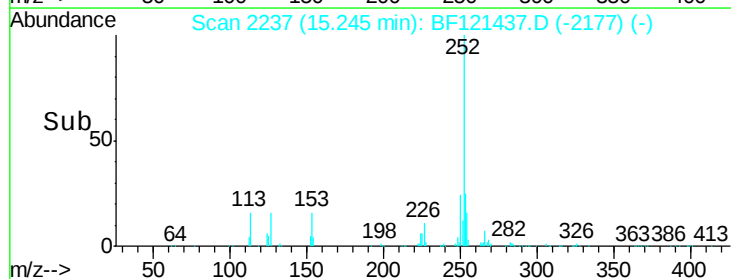
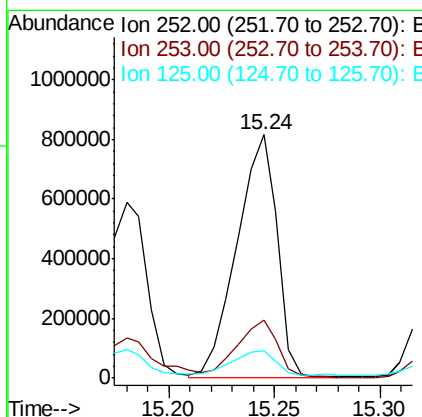
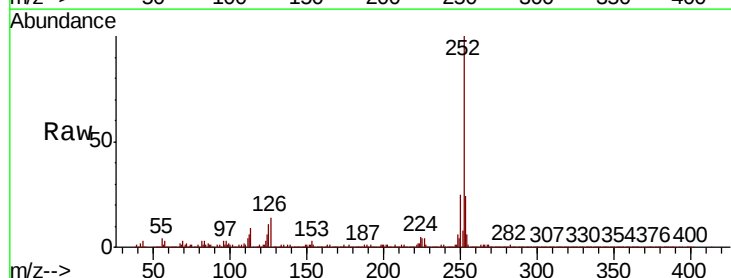
Manual Integrations
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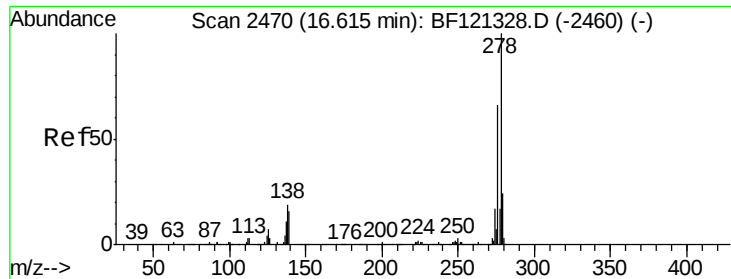
mohammad
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#90
Benzo(a)pyrene
Concen: 50.430 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.05 min
Lab File: BF121437.D
Acq: 25 Aug 2020 20:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	11.1	9.4	14.0





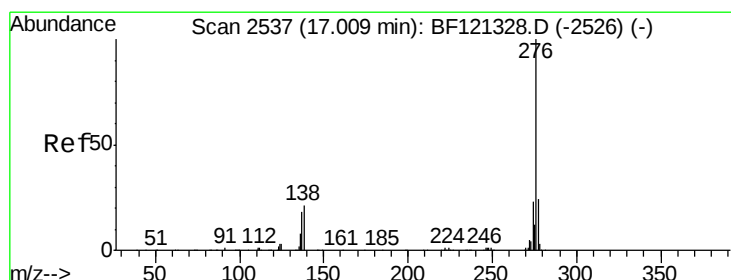
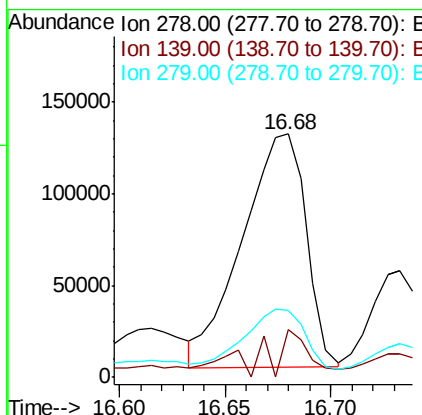
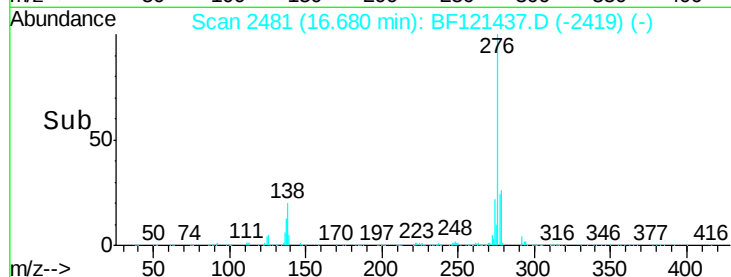
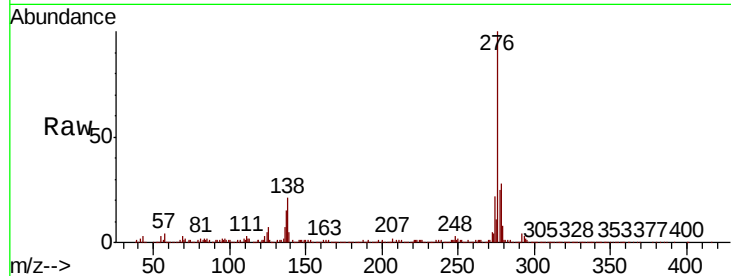
#91
Dibenzo(a,h)anthracene
Concen: 14.067 ng
RT: 16.68 min Scan# 2481
Delta R.T. 0.06 min
Lab File: BF121437.D
Acq: 25 Aug 2020 20:13

Instrument :
BNA_F
ClientSampleId :
1994

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.4	13.1	19.7
279	27.3	19.4	29.2

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 53.605 ng
RT: 17.10 min Scan# 2552
Delta R.T. 0.09 min
Lab File: BF121437.D
Acq: 25 Aug 2020 20:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.3	28.9
138	22.0	16.8	25.2

