

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
 Data File : BF121832.D
 Acq On : 5 Oct 2020 22:56
 Operator : JU/CG
 Sample : L4219-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-100120

Manual Integrations
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 10/7/2020 10:36:32 AM

Quant Time: Oct 06 01:43:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	103918	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	371380	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	166134	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	271458	20.00	ng	-0.01
76) Chrysene-d12	13.93	240	253630	20.00	ng	0.00
86) Perylene-d12	15.37	264	253658	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	274799	39.30	ng	0.00
7) Phenol-d6	6.40	99	338642	36.91	ng	-0.01
23) Nitrobenzene-d5	7.33	82	217501	31.44	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	68658	33.25	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	352706	32.15	ng	-0.01
79) Terphenyl-d14	12.87	244	279469	22.32	ng	-0.01

Target Compounds				Qvalue		
38) 1-Methylnaphthalene	8.86	142	25174	2.105	ng	97
49) Acenaphthylene	9.66	152	40692	2.527	ng	98
50) Dimethylphthalate	9.52	163	55068	4.573	ng	98
52) Acenaphthene	9.83	154	43456	4.272	ng	100
55) Dibenzofuran	10.00	168	44225	3.088	ng	# 94
58) Fluorene	10.35	166	87043	7.946	ng	99
71) Phenanthrene	11.31	178	570448	38.569	ng	100
72) Anthracene	11.36	178	230352	15.092	ng	99
75) Fluoranthene	12.50	202	854417	54.117	ng	99
78) Pyrene	12.73	202	905612	48.870	ng	100
81) Benzo(a)anthracene	13.92	228	550018	34.278	ng	97
83) Chrysene	13.95	228	443277	27.281	ng	98
87) Indeno(1,2,3-cd)pyrene	16.78	276	192425	11.649	ng	95
88) Benzo(b)fluoranthene	14.96	252	520175m	30.676	ng	
89) Benzo(k)fluoranthene	14.97	252	178603m	11.502	ng	
90) Benzo(a)pyrene	15.31	252	411113	28.521	ng	98
91) Dibenzo(a,h)anthracene	16.79	278	54605	3.971	ng	# 85
92) Benzo(g,h,i)perylene	17.21	276	172386	12.753	ng	99

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

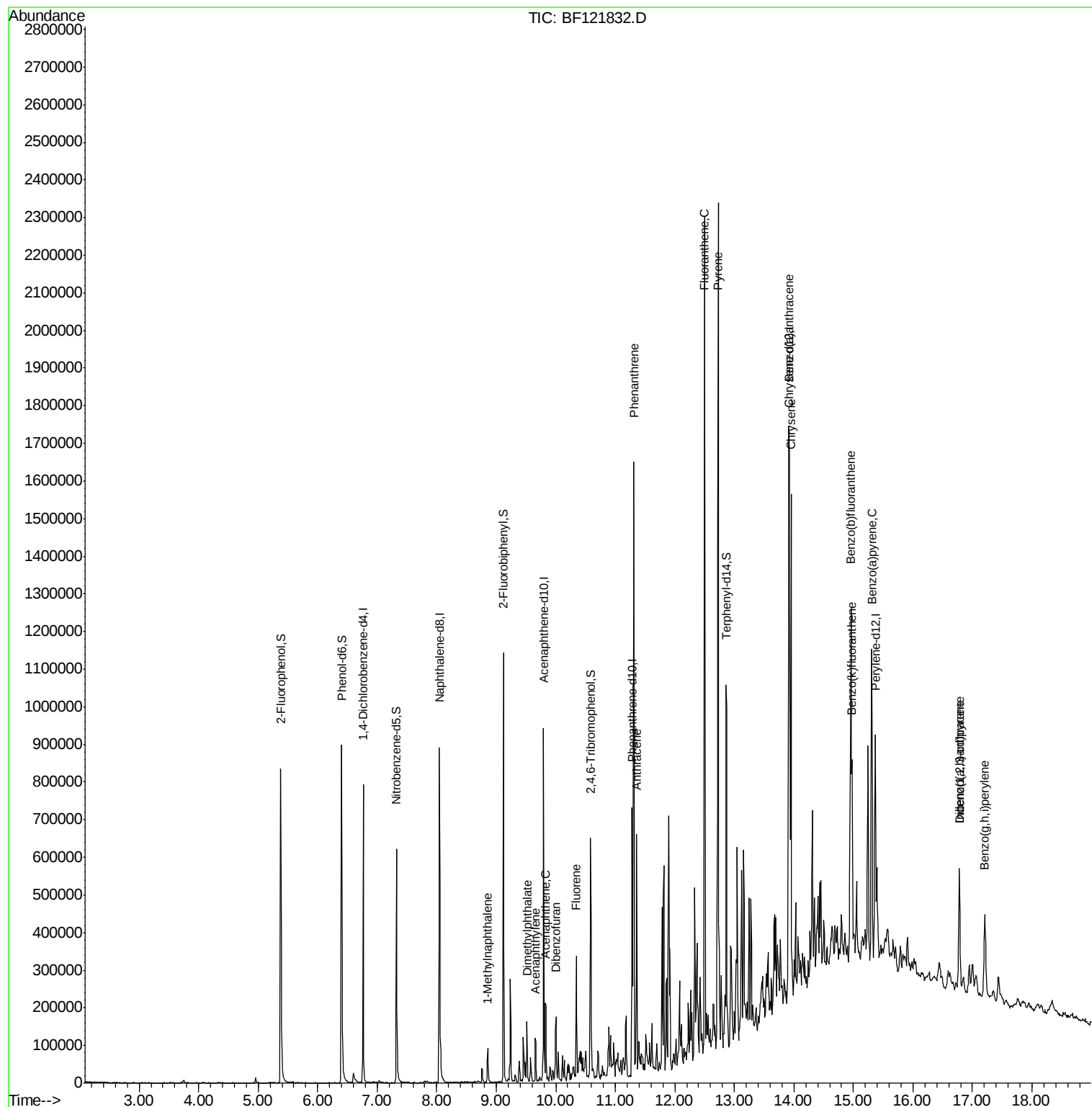
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121832.D
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ALS Vial : 15 Sample Multiplier: 1

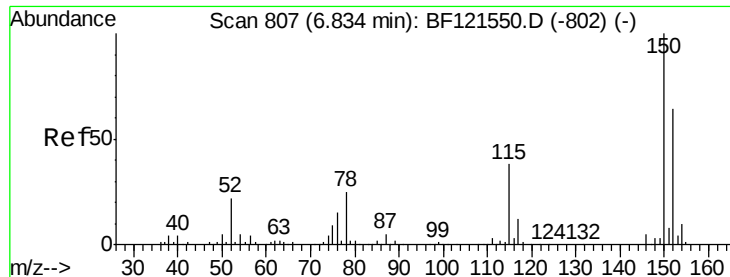
Instrument :
BNA_F
ClientSampleId :
CL-01-100120

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Quant Time: Oct 06 01:43:39 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 14:29:14 2020
Response via : Initial Calibration





#1

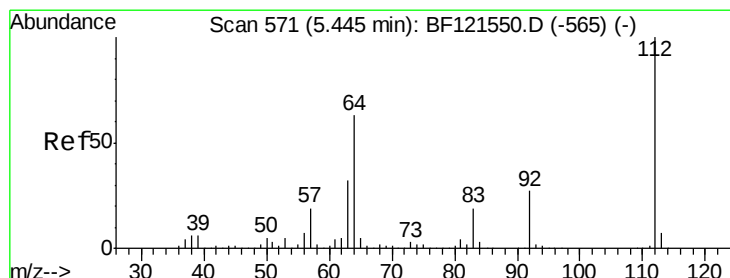
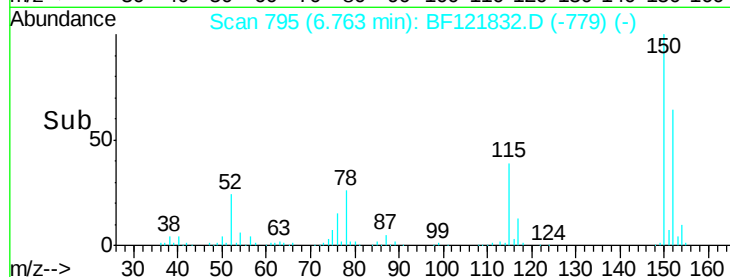
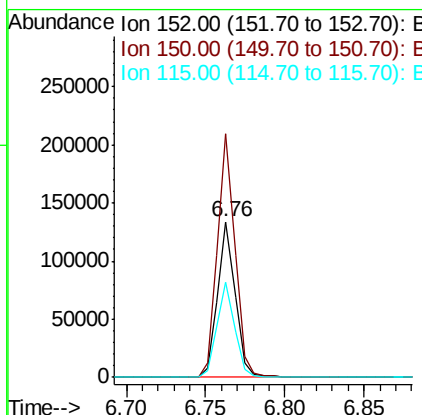
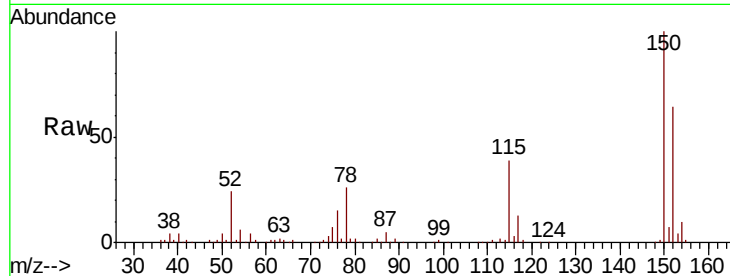
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121832.D
Acq: 5 Oct 2020 22:56

Instrument :
BNA_F
ClientSampleId :
CL-01-100120

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	125.3	187.9
115	60.6	51.9	77.9

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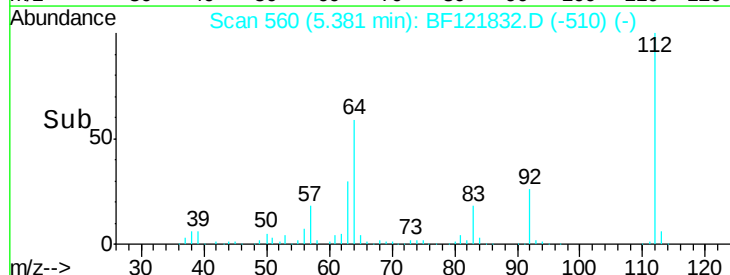
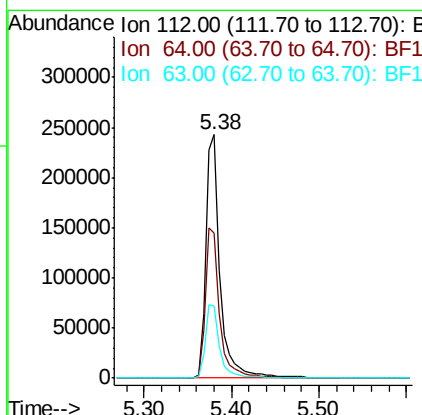
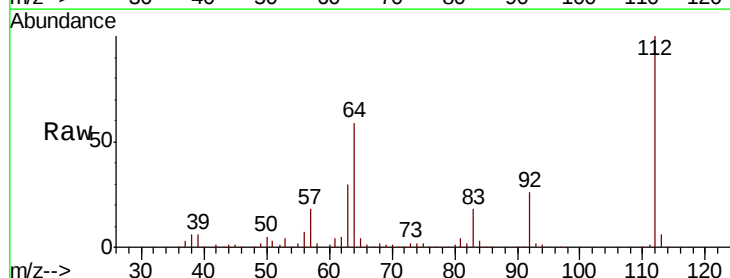
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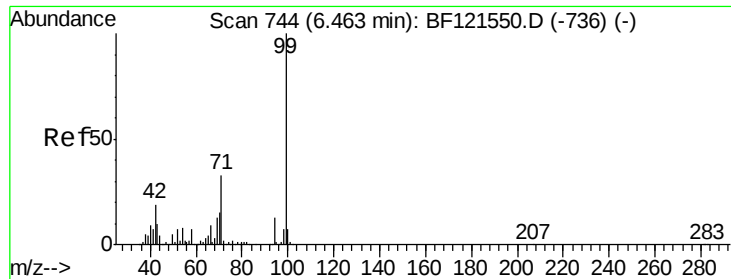


#5

2-Fluorophenol
Concen: 39.299 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121832.D
Acq: 5 Oct 2020 22:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	50.4	75.6
63	29.7	25.8	38.6





#7

Phenol-d6

Concen: 36.914 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121832.D

Acq: 5 Oct 2020 22:56

Instrument :

BNA_F

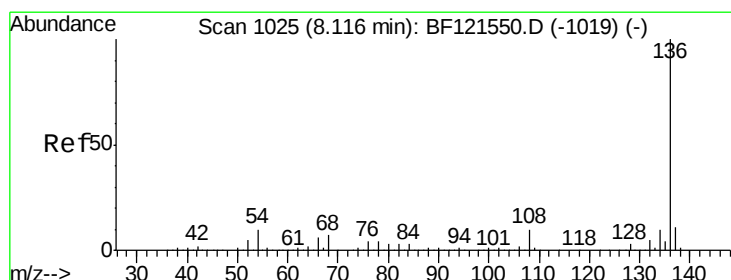
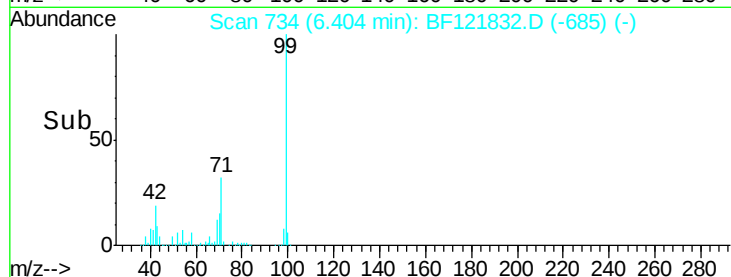
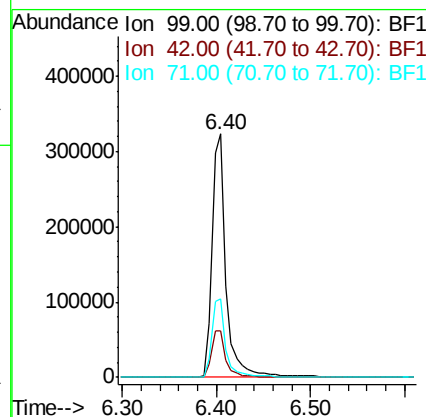
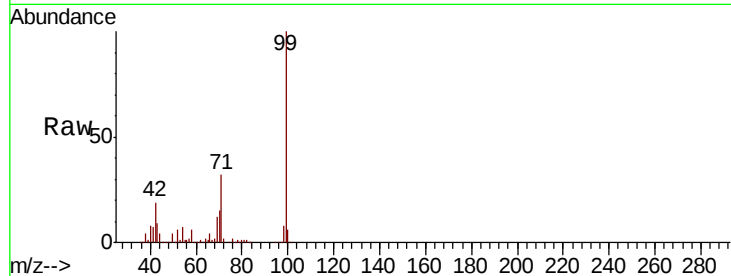
ClientSampleId :

CL-01-100120

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		338642		
42	18.9	15.9	23.9		
71	32.1	27.1	40.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

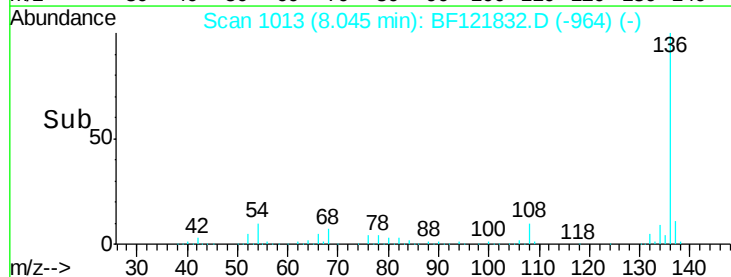
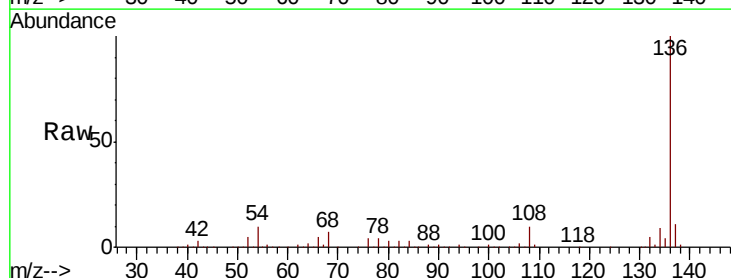
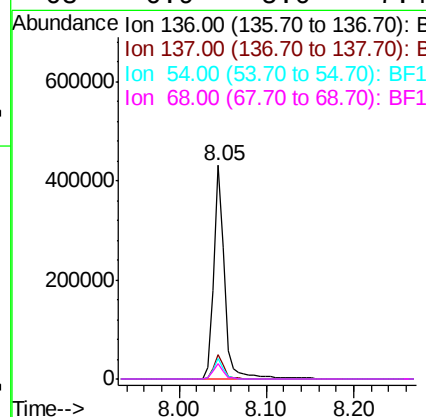
RT: 8.05 min Scan# 1013

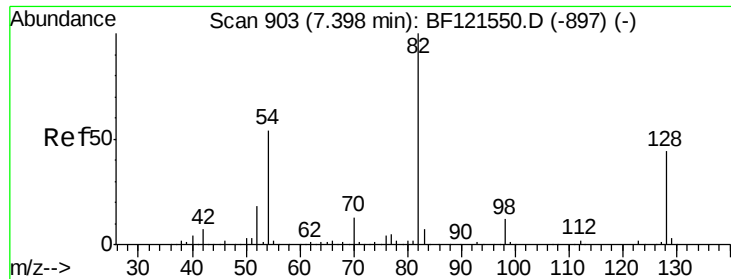
Delta R.T. -0.01 min

Lab File: BF121832.D

Acq: 5 Oct 2020 22:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		371380		
137	11.2	8.6	13.0		
54	9.7	7.1	10.7		
68	6.9	5.0	7.4		





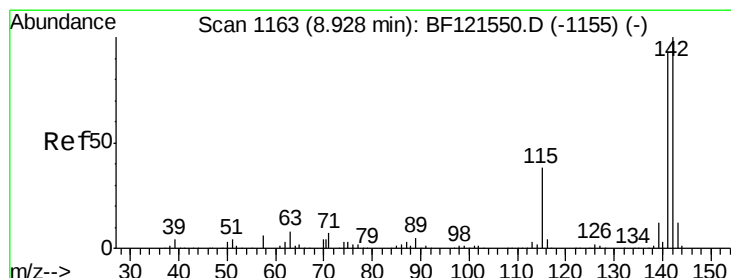
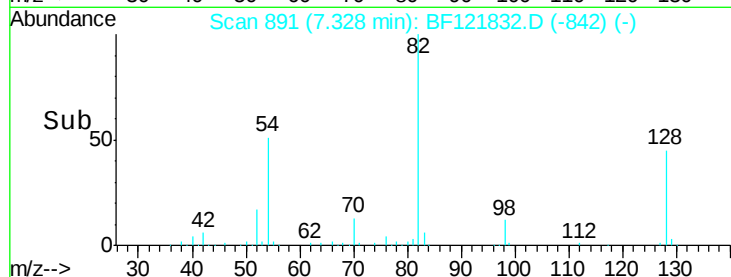
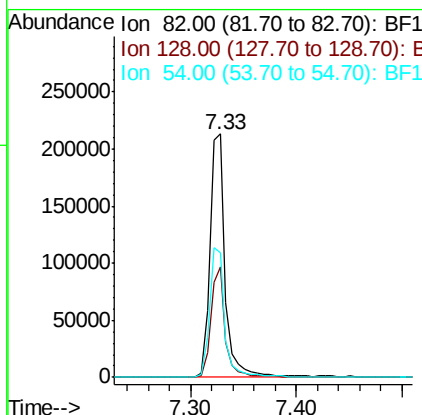
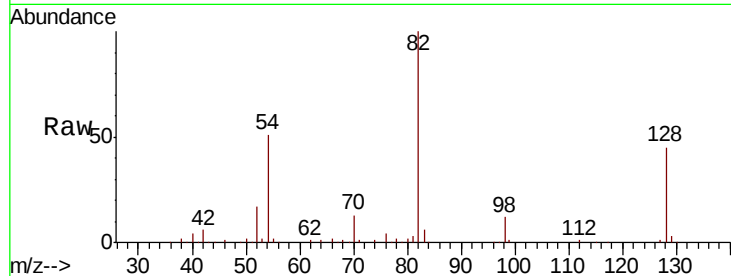
#23
 Nitrobenzene-d5
 Concen: 31.445 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.01 min
 Lab File: BF121832.D
 Acq: 5 Oct 2020 22:56

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-100120

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	35.0	52.4
54	51.2	43.9	65.9

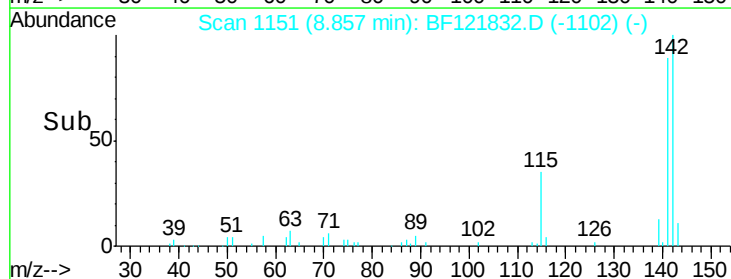
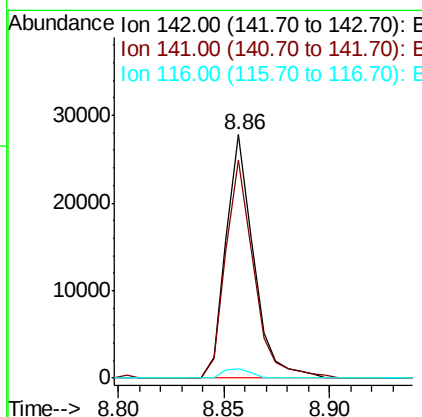
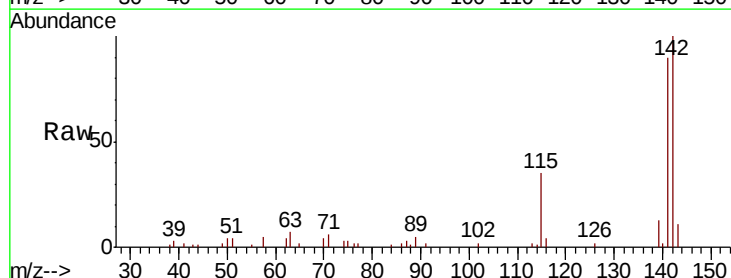
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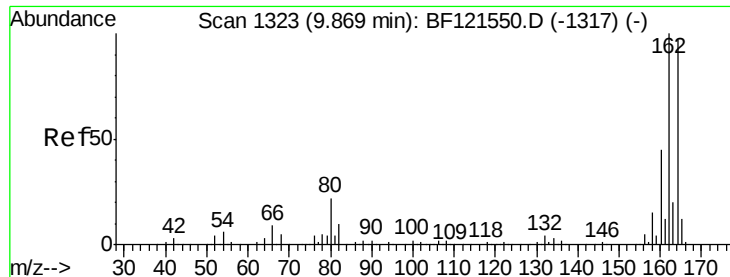
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#38
 1-Methylnaphthalene
 Concen: 2.105 ng
 RT: 8.86 min Scan# 1151
 Delta R.T. -0.01 min
 Lab File: BF121832.D
 Acq: 5 Oct 2020 22:56

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.8	74.5	111.7
116	3.8	3.2	4.8





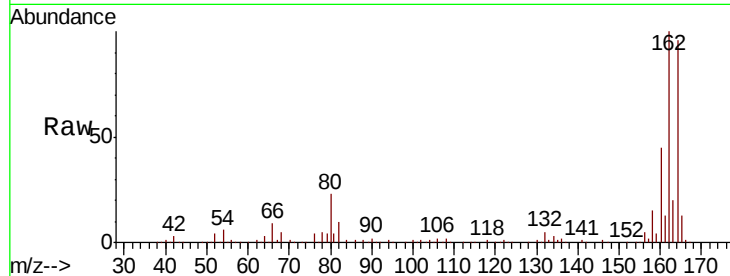
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121832.D
Acq: 5 Oct 2020 22:56

Instrument :
BNA_F
ClientSampleId :
CL-01-100120

Tot Ion	Ratio	Resp	Lower	Upper
164	100	166134		
162	103.7	83.2	124.8	
160	46.5	37.5	56.3	

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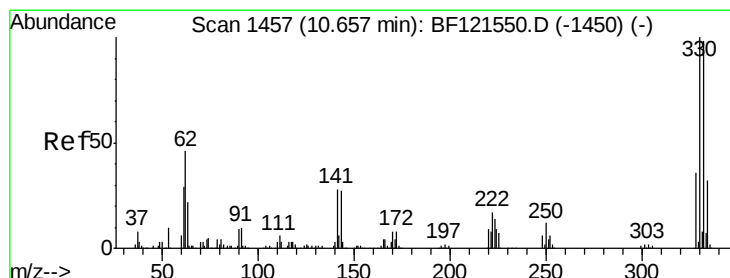
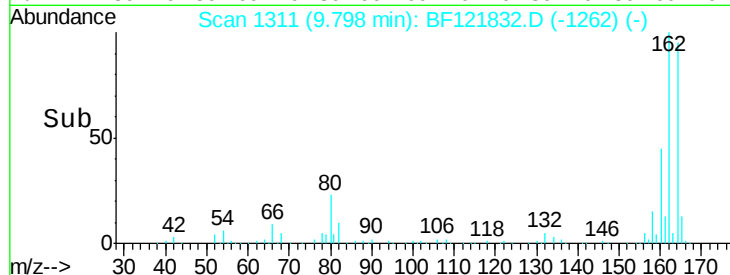
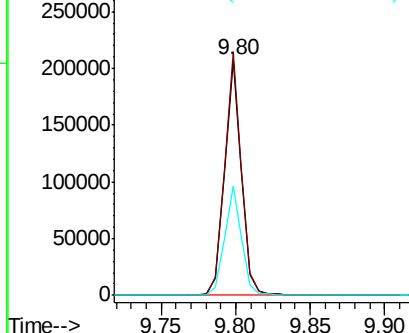


Abundance

Ion 164.00 (163.70 to 164.70): E

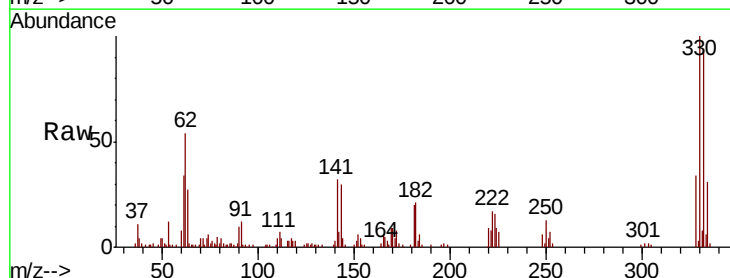
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 33.251 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.02 min
Lab File: BF121832.D
Acq: 5 Oct 2020 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	68658		
332	96.3	77.3	115.9	
141	33.5	22.3	33.5#	

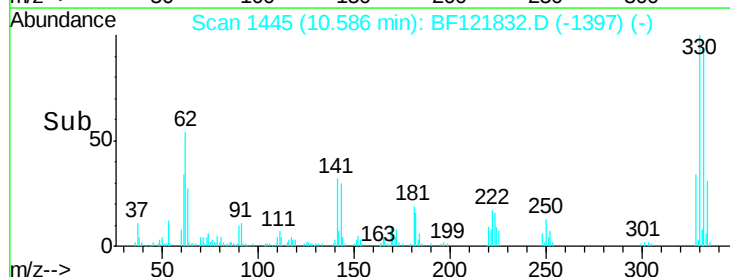
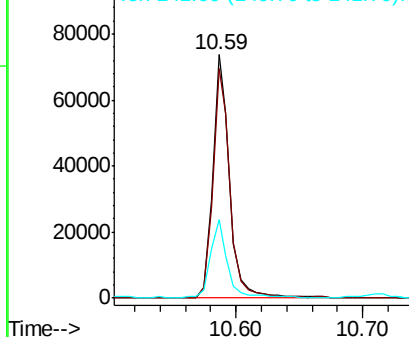


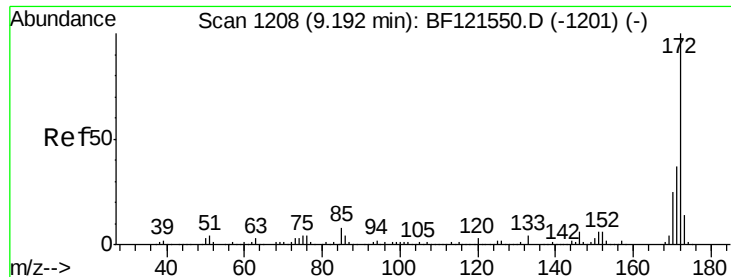
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





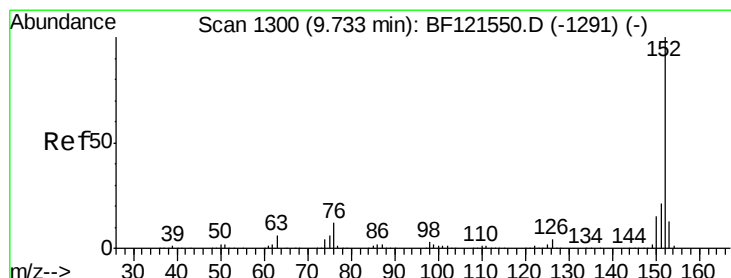
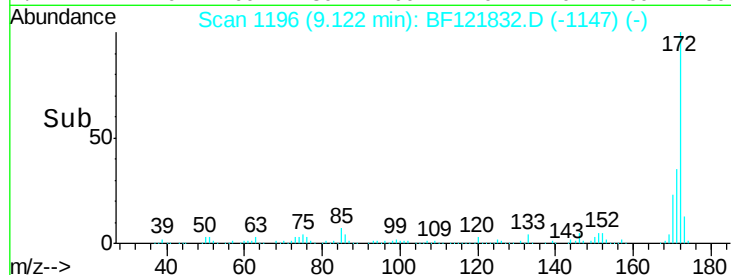
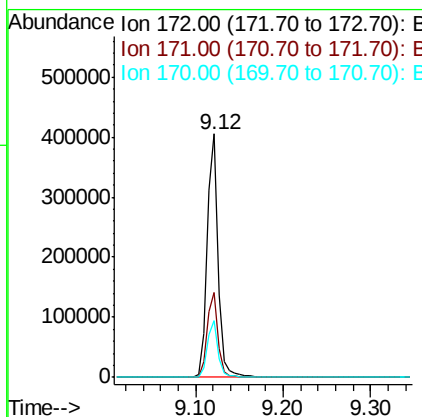
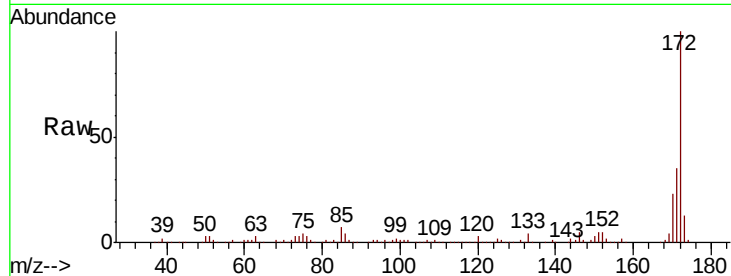
#45
2-Fluorobiphenyl
Concen: 32.154 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF121832.D
Acq: 5 Oct 2020 22:56

Instrument :
BNA_F
ClientSampleId :
CL-01-100120

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.1	43.7
170	23.5	19.8	29.6

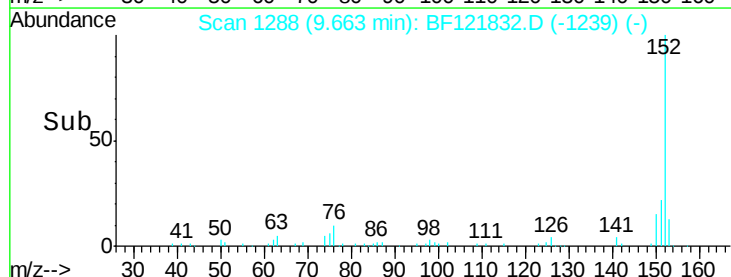
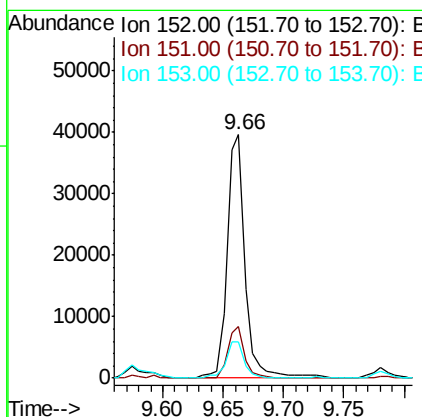
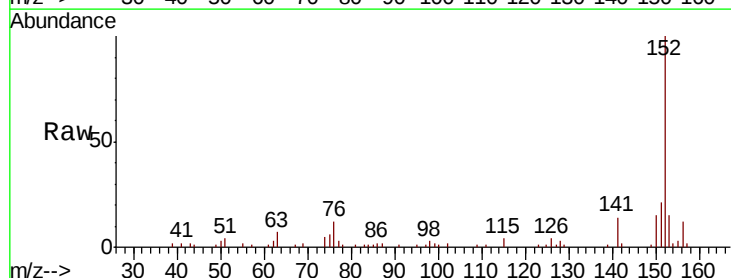
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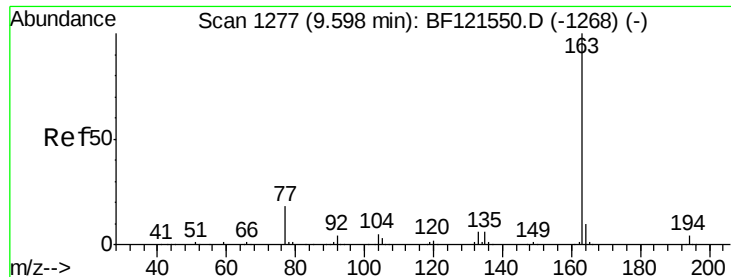
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#49
Acenaphthylene
Concen: 2.527 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF121832.D
Acq: 5 Oct 2020 22:56

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.4	24.6
153	14.6	10.6	15.8





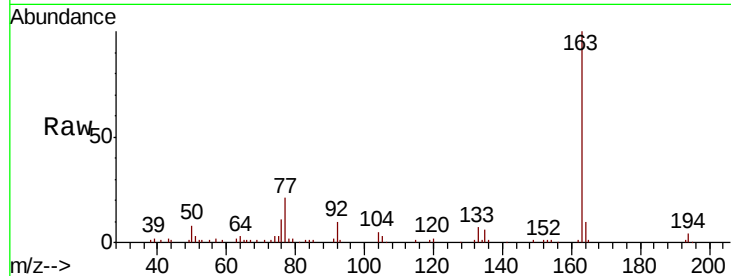
#50
Dimethylphthalate
Concen: 4.573 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121832.D
Acq: 5 Oct 2020 22:56

Instrument :
BNA_F
ClientSampleId :
CL-01-100120

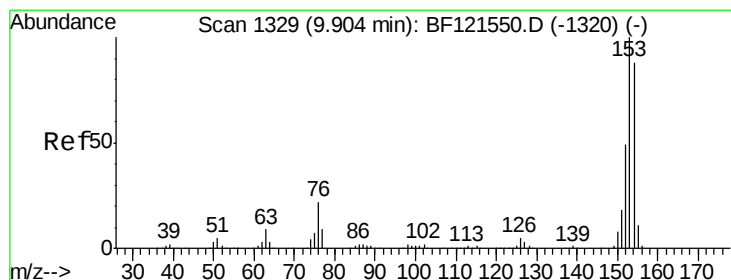
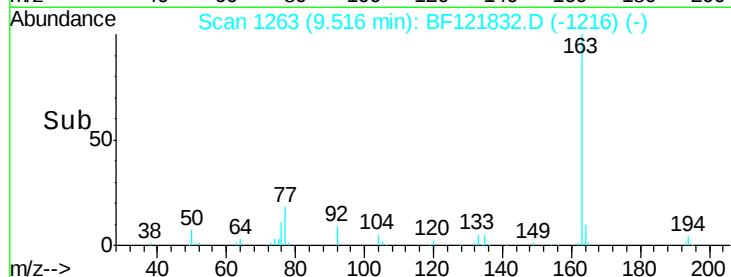
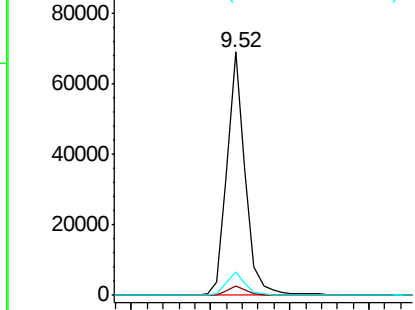
Tot Ion	Ratio	Resp	Lower	Upper
163	100	55068		
194	3.7		3.3	4.9
164	9.6		8.2	12.4

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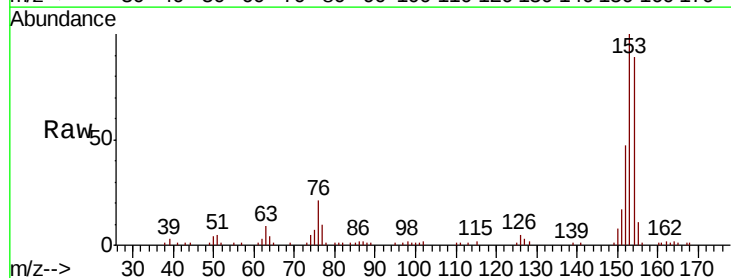


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

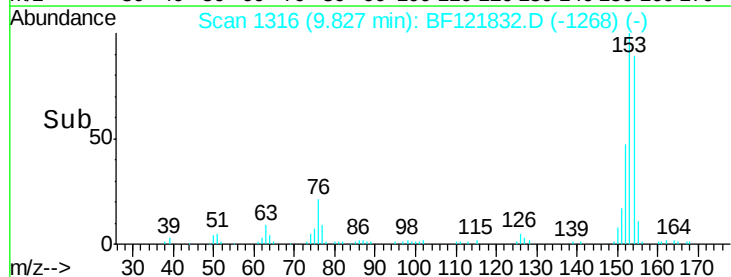
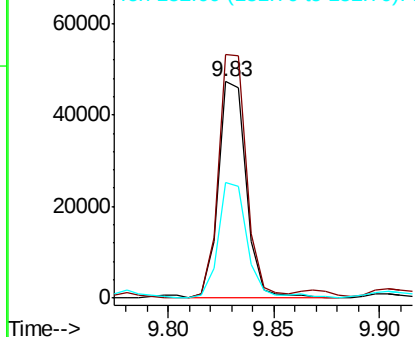


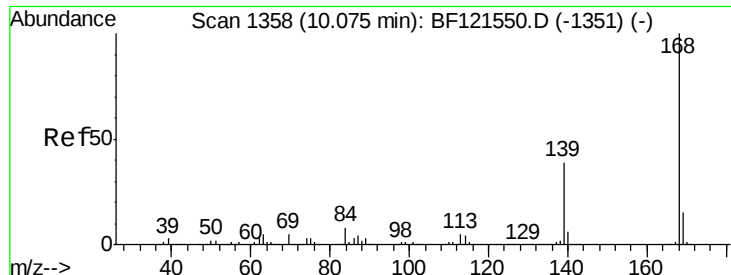
#52
Acenaphthene
Concen: 4.272 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BF121832.D
Acq: 5 Oct 2020 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	43456		
153	112.6		89.8	134.8
152	53.4		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





#55

Dibenzenofuran

Concen: 3.088 ng

RT: 10.00 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BF121832.D

Acq: 5 Oct 2020 22:56

Instrument :

BNA_F

ClientSampleId :

CL-01-100120

Tot Ion:168 Resp: 44225

Ion Ratio Lower Upper

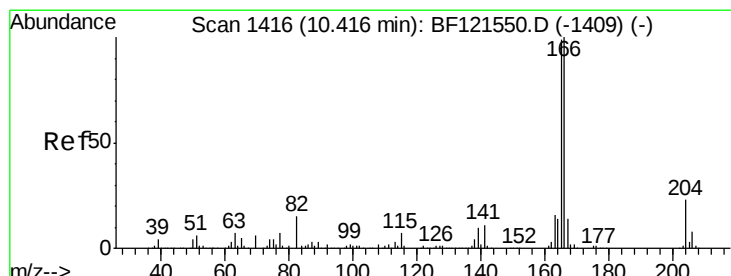
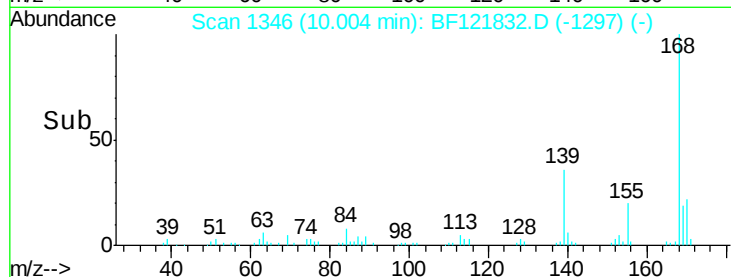
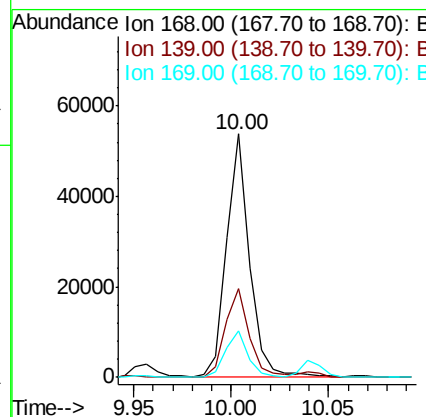
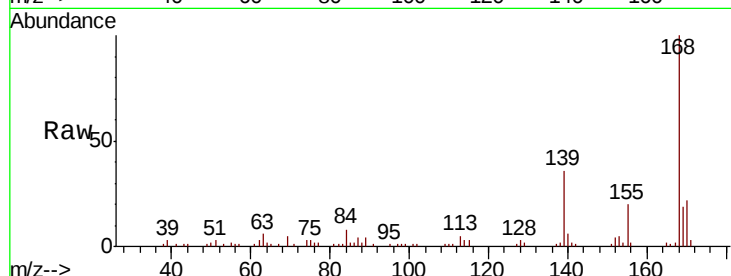
168 100

139 36.4 31.0 46.6

169 19.0 11.3 16.9#

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mohammad
10/7/2020 10:36:32 AM



#58

Fluorene

Concen: 7.946 ng

RT: 10.35 min Scan# 1404

Delta R.T. -0.01 min

Lab File: BF121832.D

Acq: 5 Oct 2020 22:56

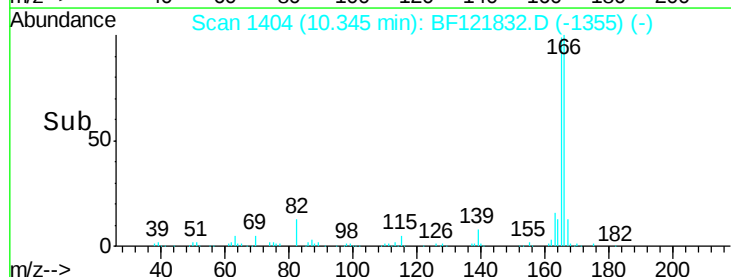
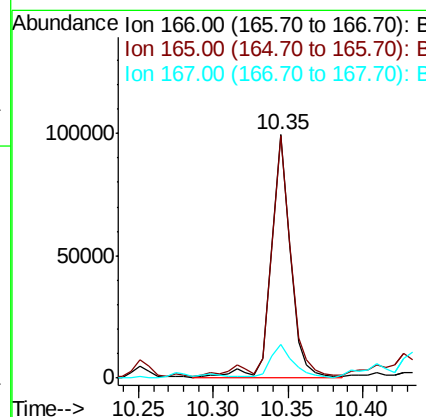
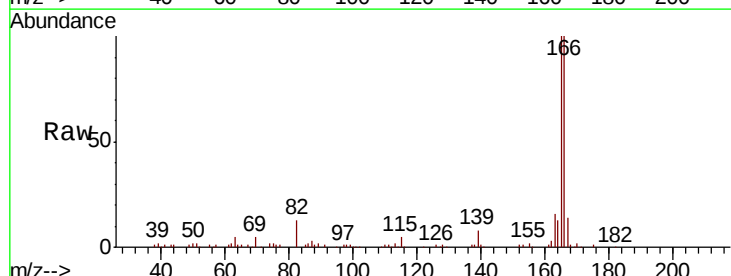
Tgt Ion:166 Resp: 87043

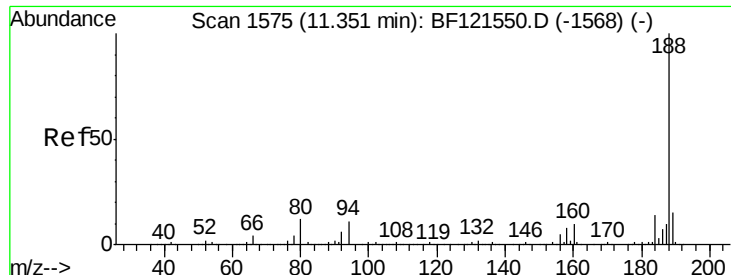
Ion Ratio Lower Upper

166 100

165 99.6 79.1 118.7

167 13.7 11.0 16.6





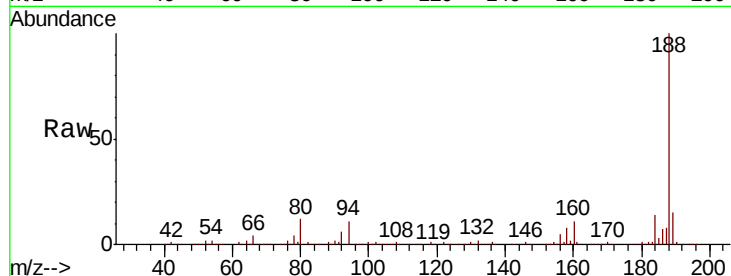
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF121832.D
Acq: 5 Oct 2020 22:56

Instrument :
BNA_F
ClientSampleId :
CL-01-100120

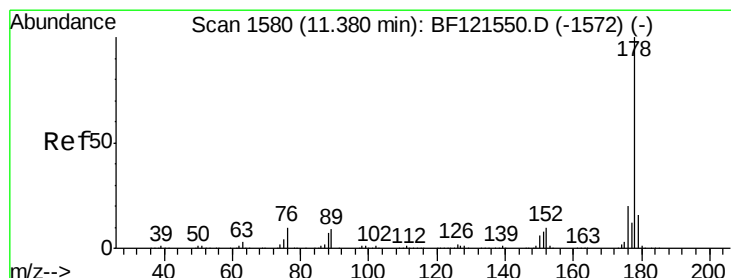
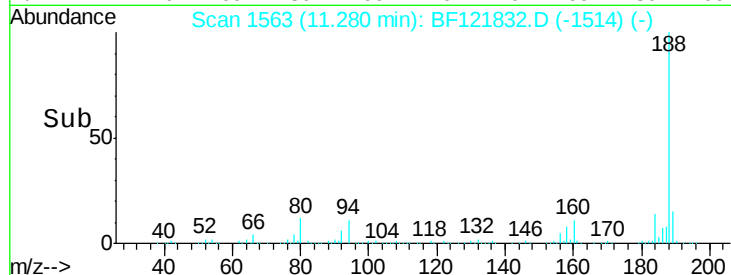
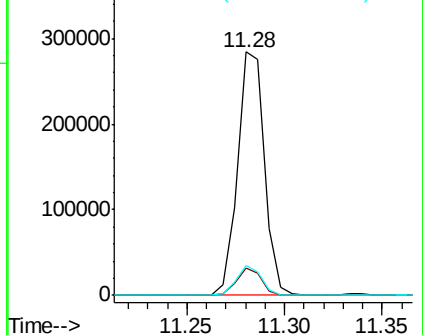
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.4	8.3	12.5
80	12.2	9.1	13.7

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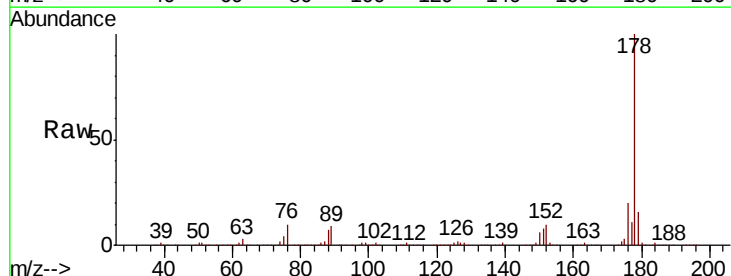


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

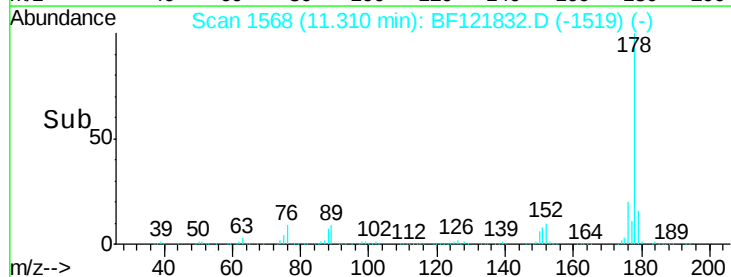
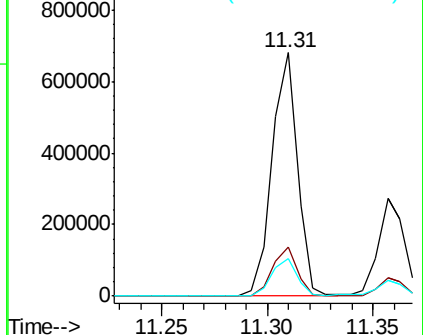


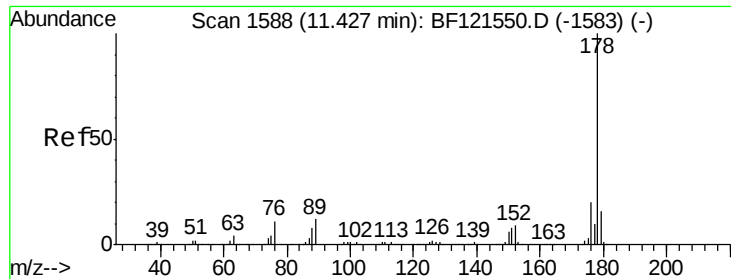
#71
Phenanthrene
Concen: 38.569 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF121832.D
Acq: 5 Oct 2020 22:56

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.9	15.9	23.9
179	15.6	12.2	18.4



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





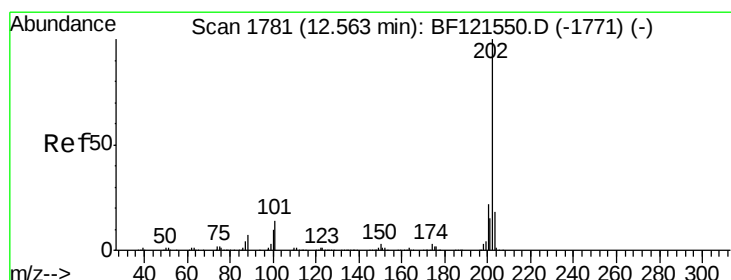
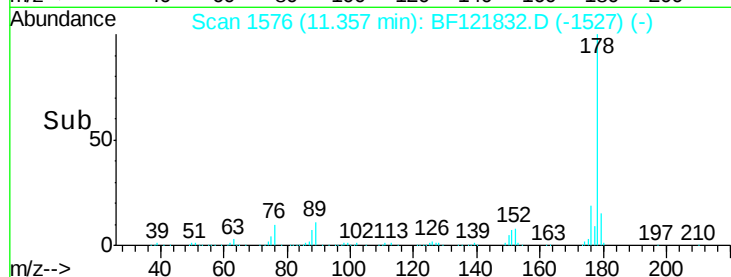
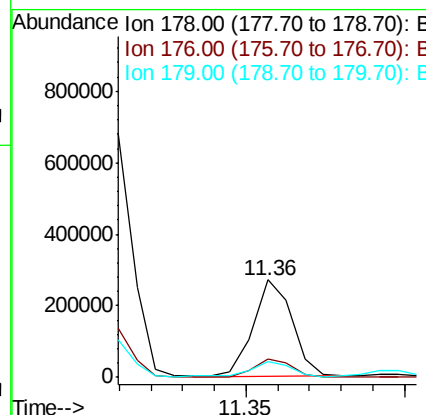
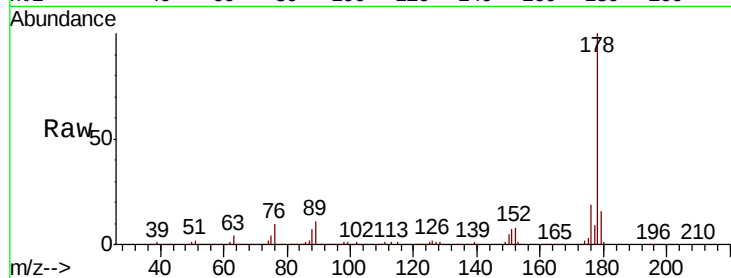
#72
 Anthracene
 Concen: 15.092 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF121832.D
 Acq: 5 Oct 2020 22:56

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-100120

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.7	23.5
179	15.7	12.7	19.1

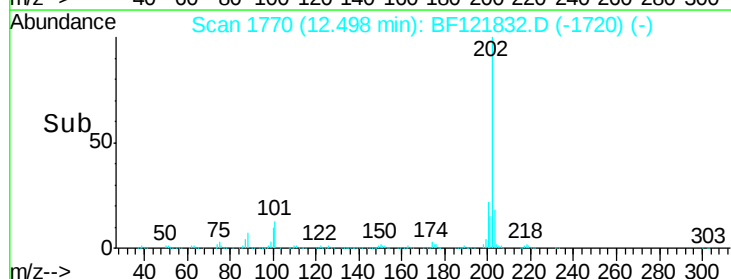
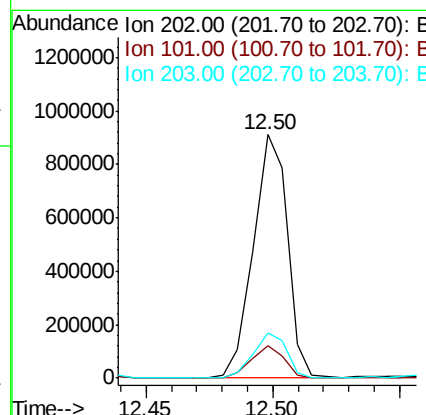
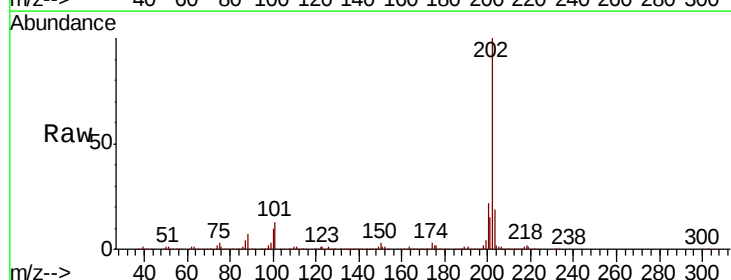
Manual Integrations
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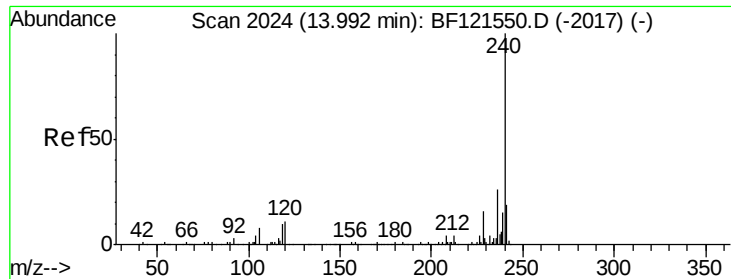
mohammad
 10/7/2020 10:36:32 AM



#75
 Fluoranthene
 Concen: 54.117 ng
 RT: 12.50 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: BF121832.D
 Acq: 5 Oct 2020 22:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.4
203	18.5	0.0	37.9





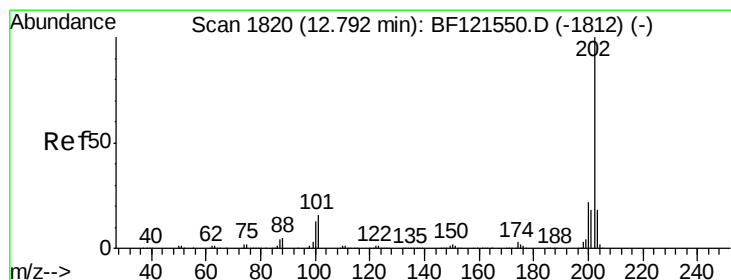
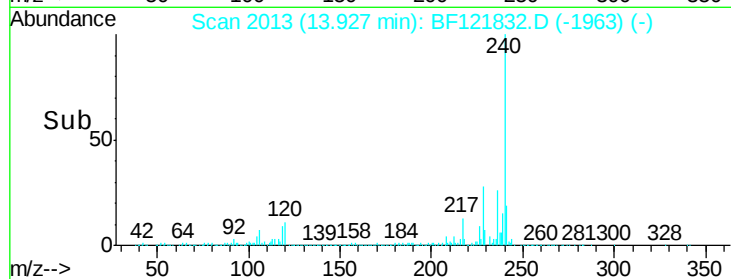
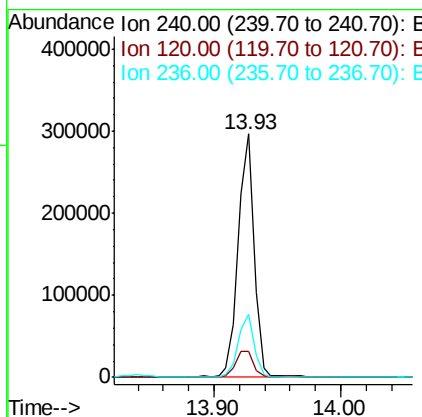
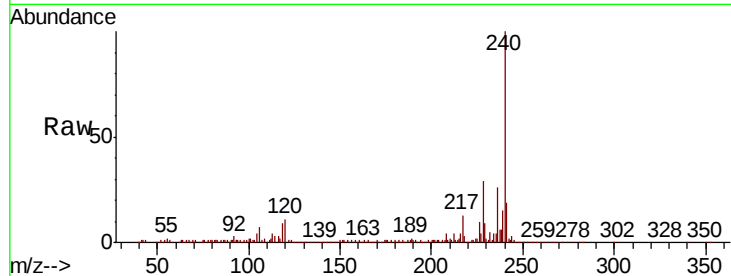
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF121832.D
Acq: 5 Oct 2020 22:56

Instrument :
BNA_F
ClientSampleId :
CL-01-100120

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.2	13.8
236	25.9	20.9	31.3

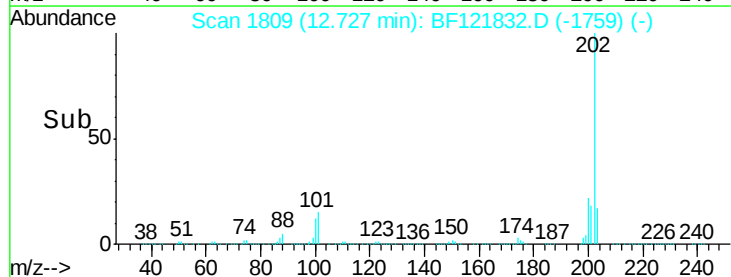
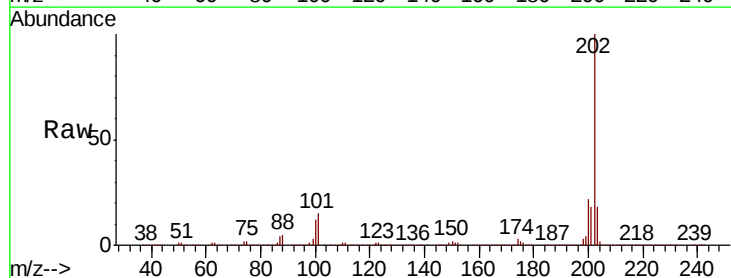
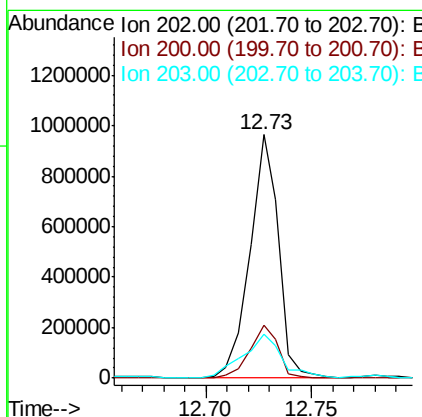
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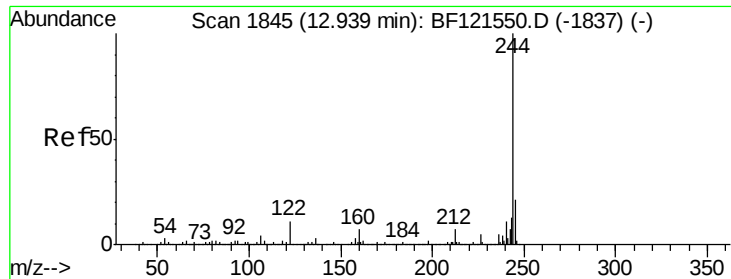
mohammad
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#78
Pyrene
Concen: 48.870 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF121832.D
Acq: 5 Oct 2020 22:56

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.8	14.6	21.8





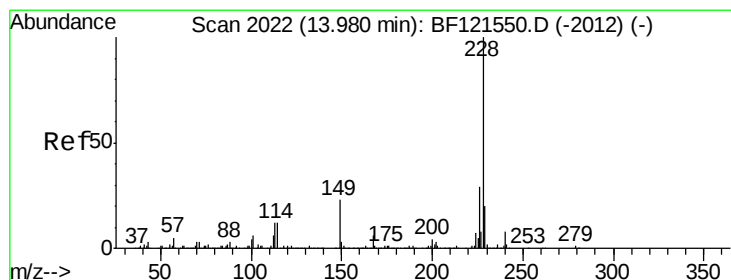
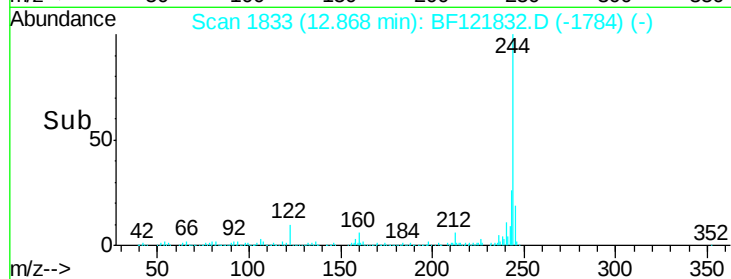
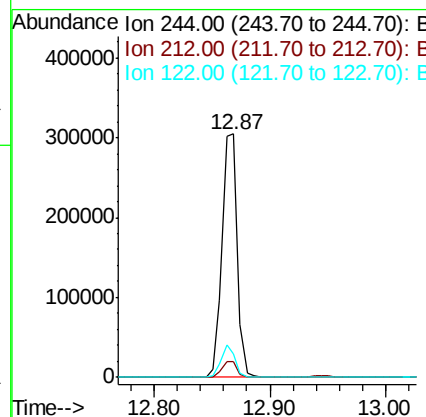
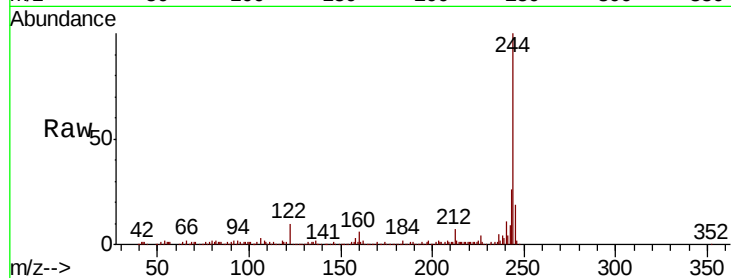
#79
 Terphenyl-d14
 Concen: 22.323 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BF121832.D
 Acq: 5 Oct 2020 22:56

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-100120

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	9.6	8.1	12.1

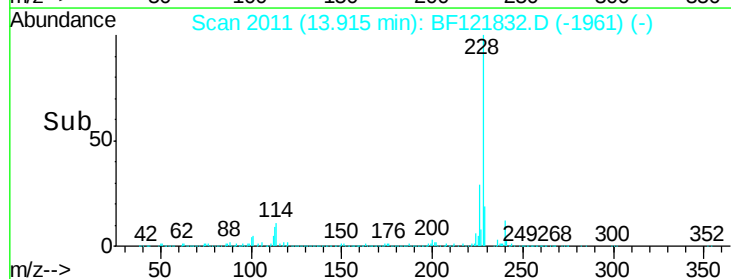
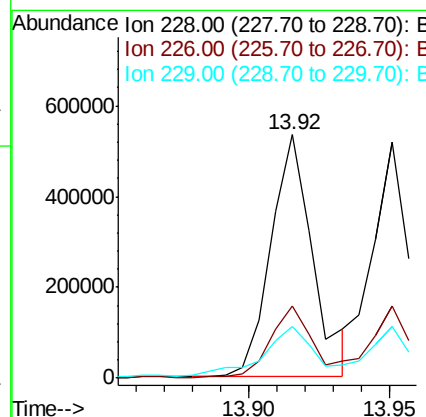
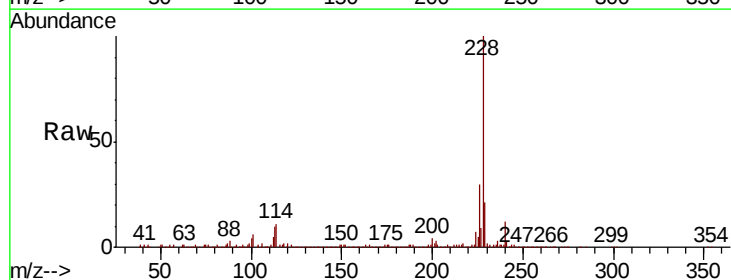
Manual Integrations
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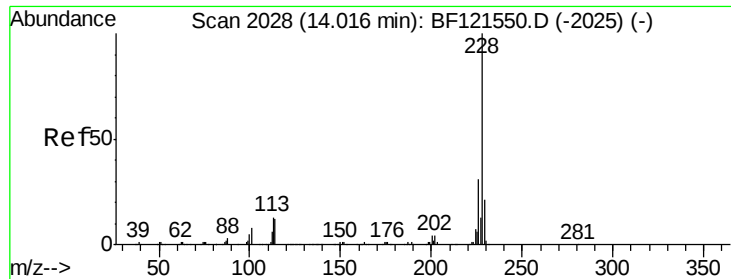
mohammad
 10/7/2020 10:36:32 AM



#81
 Benzo(a)anthracene
 Concen: 34.278 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. -0.01 min
 Lab File: BF121832.D
 Acq: 5 Oct 2020 22:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.3	33.5
229	21.0	16.2	24.4





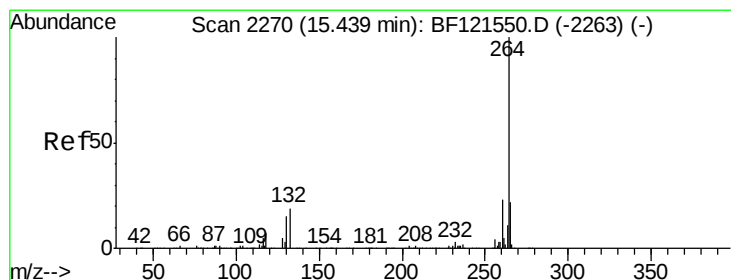
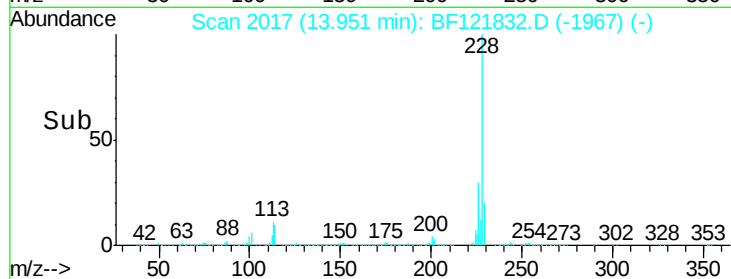
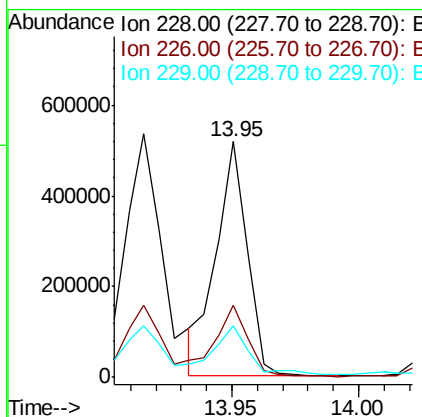
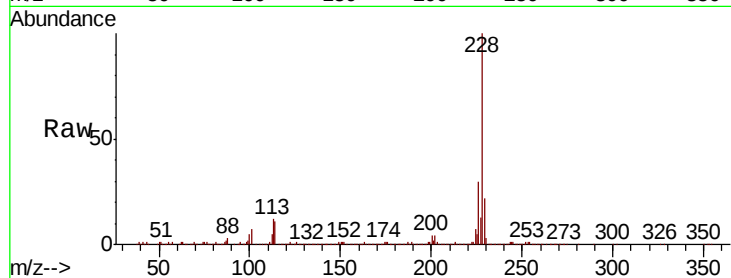
#83
Chrysene
Concen: 27.281 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF121832.D
Acq: 5 Oct 2020 22:56

Instrument :
BNA_F
ClientSampleId :
CL-01-100120

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		443277		
226	30.4	24.6	37.0		
229	22.1	15.9	23.9		

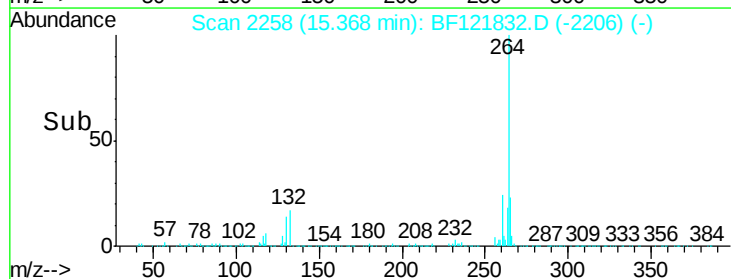
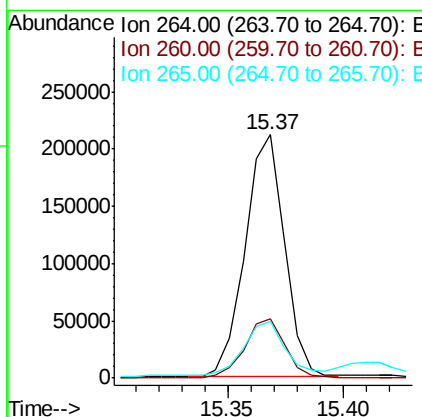
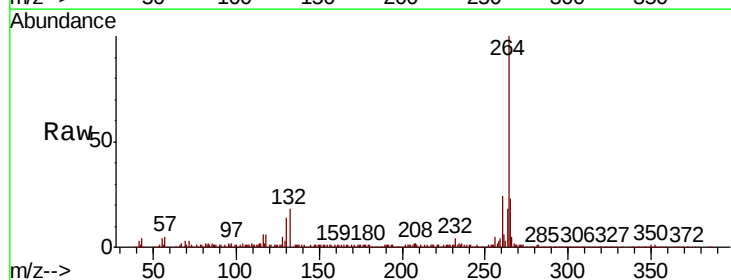
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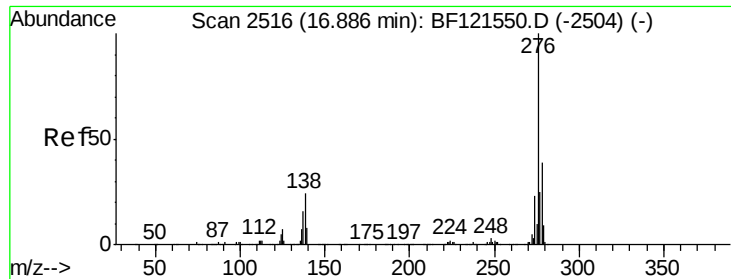
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF121832.D
Acq: 5 Oct 2020 22:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100		253658		
260	24.2	18.7	28.1		
265	23.2	17.3	25.9		





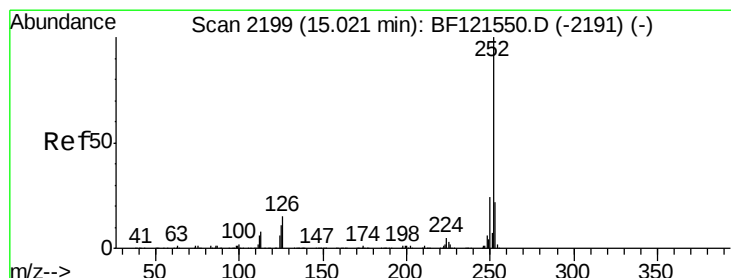
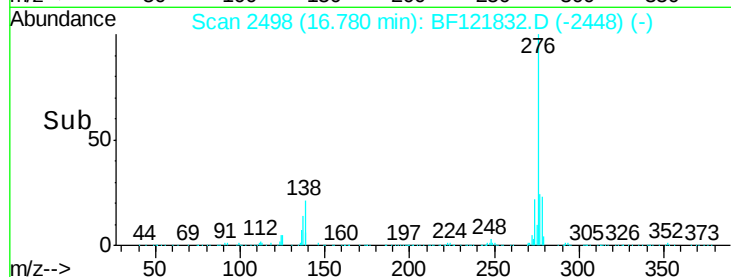
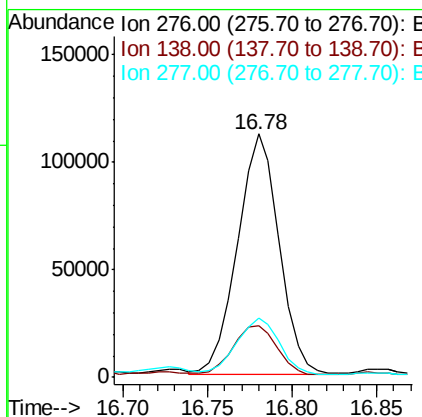
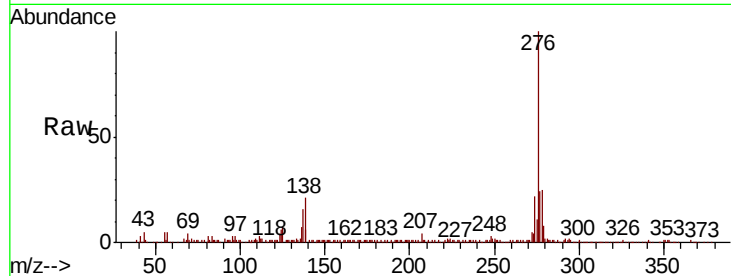
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 11.649 ng
 RT: 16.78 min Scan# 2498
 Delta R.T. -0.01 min
 Lab File: BF121832.D
 Acq: 5 Oct 2020 22:56

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-100120

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.7	19.9	29.9
277	24.2	20.4	30.6

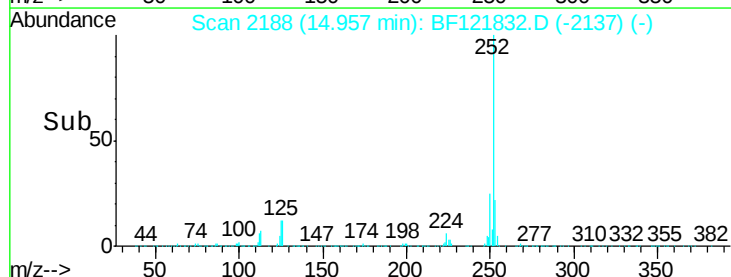
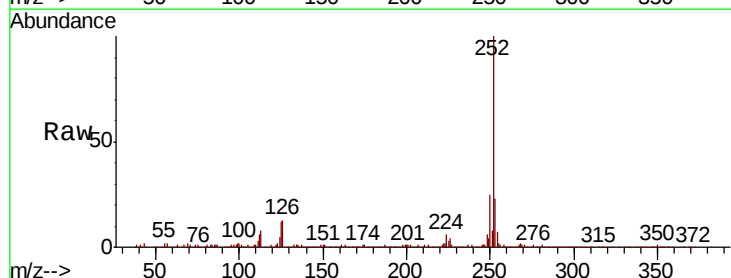
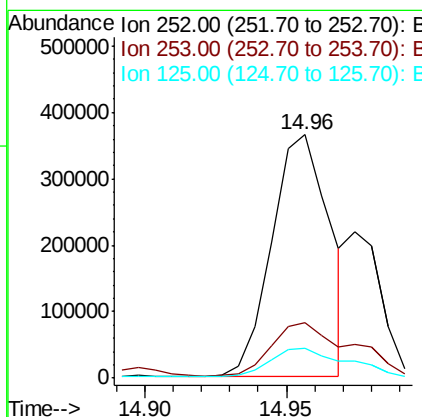
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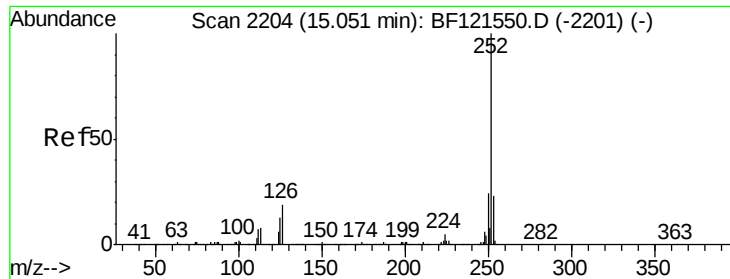
mohammad
 10/7/2020 10:36:32 AM



#88
 Benzo(b)fluoranthene
 Concen: 30.676 ng m
 RT: 14.96 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: BF121832.D
 Acq: 5 Oct 2020 22:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	12.0	8.0	12.0#





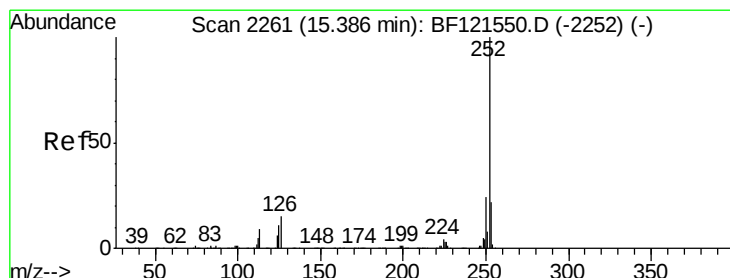
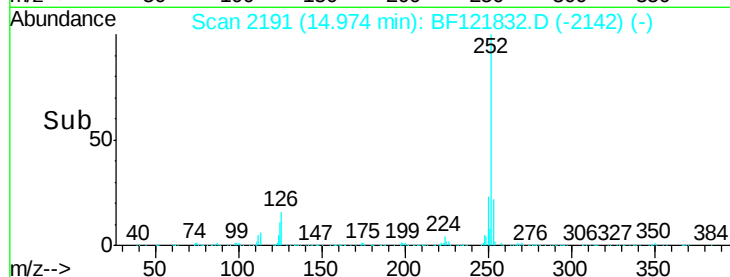
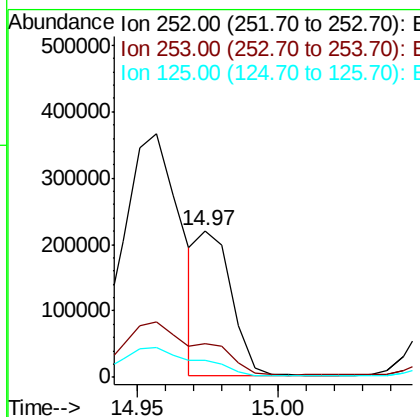
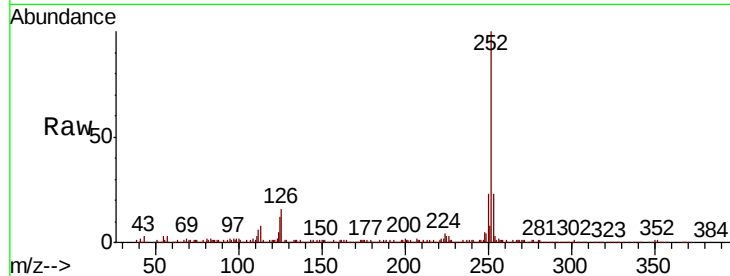
#89
Benzo(k)fluoranthene
Concen: 11.502 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF121832.D
Acq: 5 Oct 2020 22:56

Instrument :
BNA_F
ClientSampleId :
CL-01-100120

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	11.6	7.7	11.5

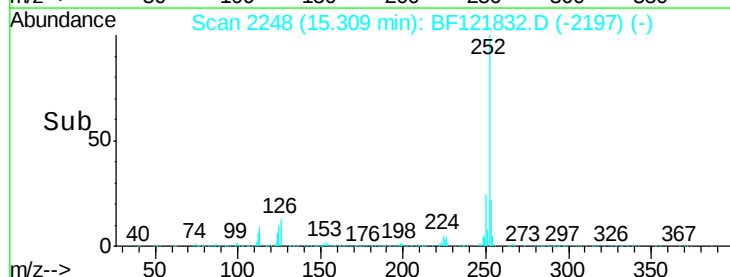
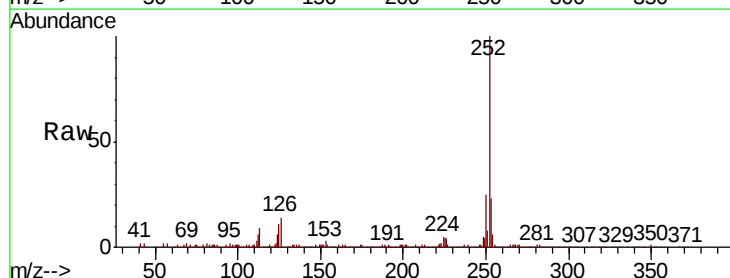
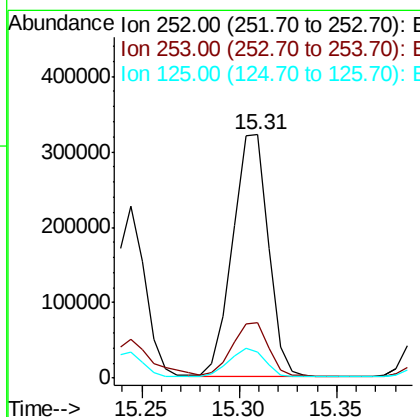
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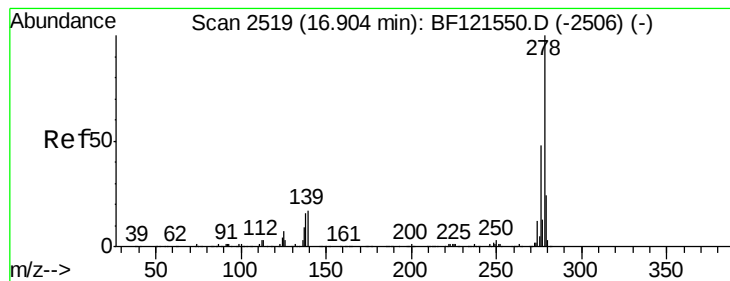
mohammad
10/7/2020 10:36:32 AM



#90
Benzo(a)pyrene
Concen: 28.521 ng
RT: 15.31 min Scan# 2248
Delta R.T. -0.00 min
Lab File: BF121832.D
Acq: 5 Oct 2020 22:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	10.8	8.6	13.0





#91

Dibenzo(a,h)anthracene

Concen: 3.971 ng

RT: 16.79 min Scan# 2499

Delta R.T. -0.01 min

Lab File: BF121832.D

Acq: 5 Oct 2020 22:56

Instrument :

BNA_F

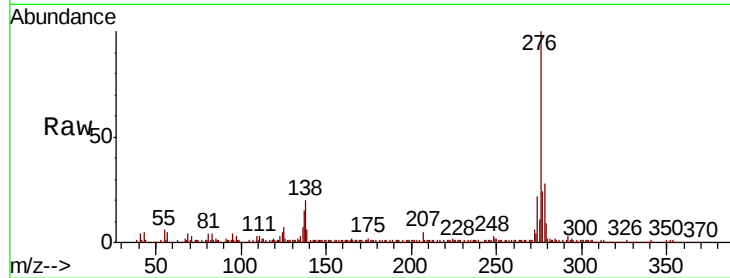
ClientSampleId :

CL-01-100120

Tot Ion:	278	Resp:	54605
Ion Ratio	Lower	Upper	
278	100		
139	20.8	13.0	19.4#
279	32.8	19.0	28.4#

Manual Integrations
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10/7/2020 10:36:32 AM

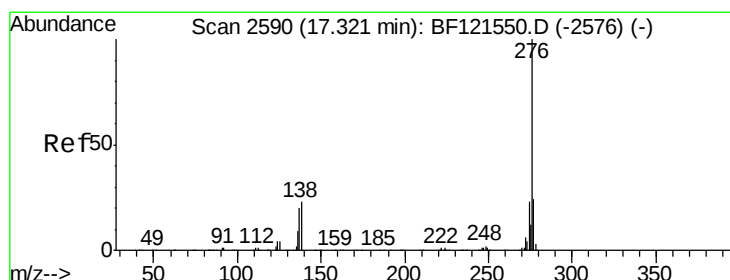
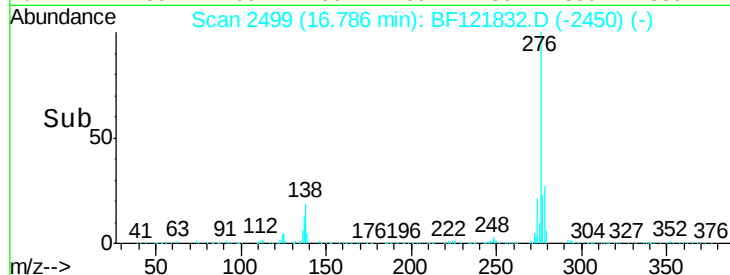
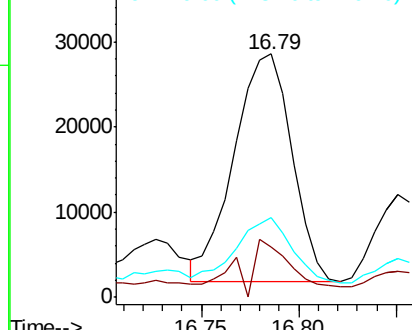


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 12.753 ng

RT: 17.21 min Scan# 2571

Delta R.T. 0.00 min

Lab File: BF121832.D

Acq: 5 Oct 2020 22:56

Tgt Ion:	276	Resp:	172386
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.4	29.2
138	22.1	17.8	26.6

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

