

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
 Data File : BF118542.D
 Acq On : 13 Jan 2020 20:37
 Operator : JU
 Sample : L1106-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CIY1-BC-SB-04-0-5

Manual Integrations
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Quant Time: Jan 14 12:59:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 14 11:02:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	74925	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	316809	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	166909	20.00	ng	-0.01
64) Phenanthrene-d10	11.35	188	293360	20.00	ng	0.00
76) Chrysene-d12	14.01	240	202082	20.00	ng	0.00
87) Perylene-d12	15.49	264	211216	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	372383	82.04	ng	0.00
7) Phenol-d6	6.46	99	502816	92.66	ng	0.00
23) Nitrobenzene-d5	7.38	82	289721	48.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	159377	80.92	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	388100	33.35	ng	-0.01
79) Terphenyl-d14	12.94	244	487927	38.26	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.12	128	164685	9.938	ng	99
37) 2-Methylnaphthalene	8.82	142	35748	3.143	ng	98
50) Dimethylphthalate	9.57	163	54912	4.287	ng	98
52) Acenaphthene	9.89	154	69747	7.109	ng	96
55) Dibenzofuran	10.07	168	63449	4.305	ng	95
58) Fluorene	10.41	166	87619	7.397	ng	100
71) Phenanthrene	11.38	178	697568	42.448	ng	100
72) Anthracene	11.43	178	194157	11.876	ng	98
73) Carbazole	11.59	167	68208	4.816	ng	98
75) Fluoranthene	12.57	202	810722	48.537	ng	98
78) Pyrene	12.80	202	747870	44.981	ng	99
80) Butylbenzylphthalate	13.41	149	29754	3.908	ng	97
81) Benzo(a)anthracene	14.00	228	439922	31.102	ng	99
83) Chrysene	14.03	228	326718	23.770	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	136692	12.353	ng	# 93
88) Benzo(b)fluoranthene	15.06	252	414668m	27.155	ng	
89) Benzo(k)fluoranthene	15.07	252	124967m	8.573	ng	
90) Benzo(a)pyrene	15.43	252	269916	21.569	ng	98
91) Dibenzo(a,h)anthracene	16.97	278	36266m	3.091	ng	
92) Benzo(a,h,i)perylene	17.42	276	125118m	11.253	ng	

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

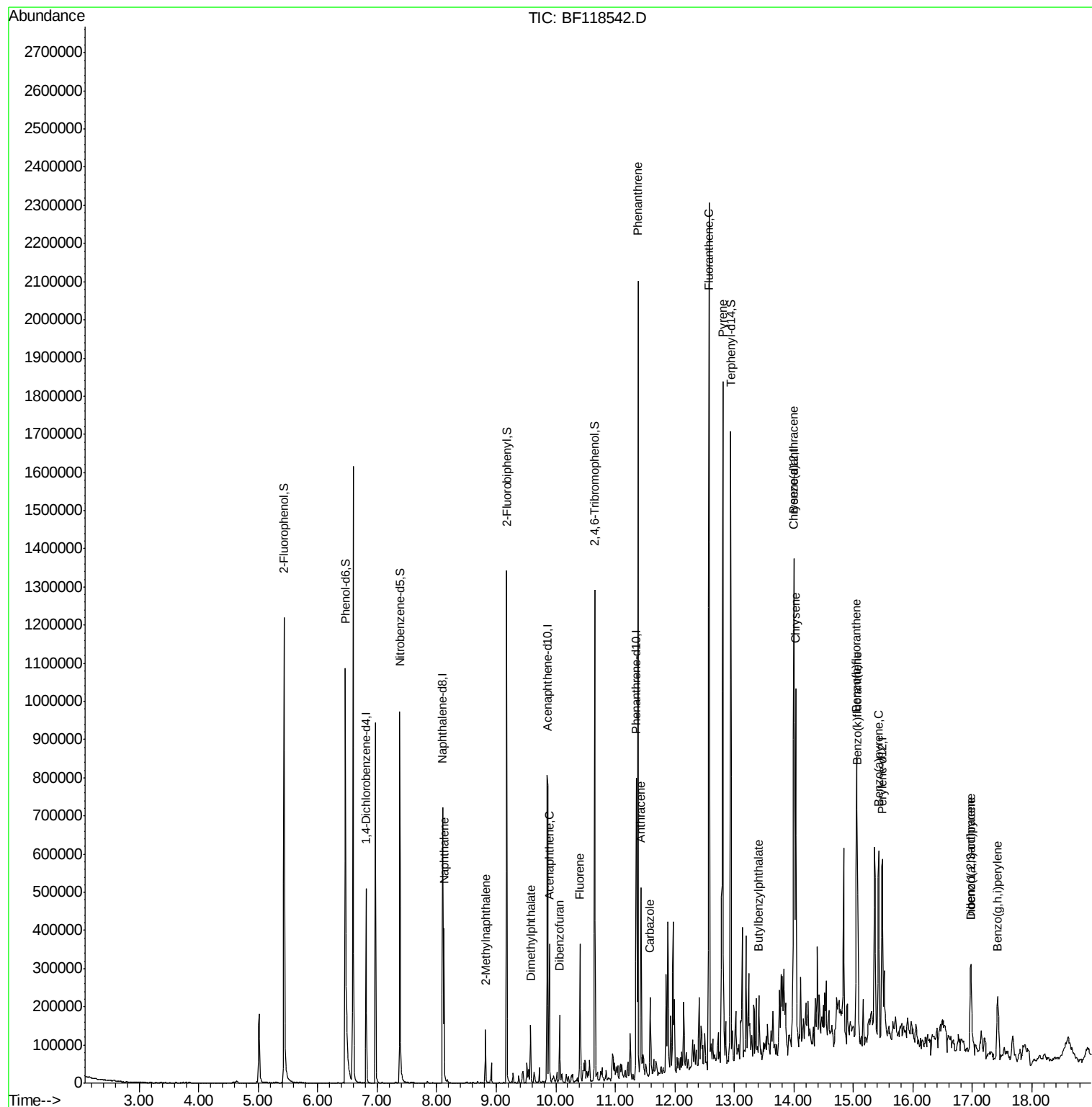
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
Data File : BF118542.D
Acq On : 13 Jan 2020 20:37
Operator : JU
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ALS Vial : 12 Sample Multiplier: 1

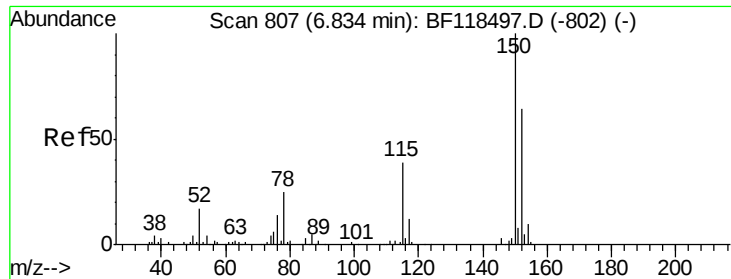
Instrument :
BNA_F
ClientSampleId :
CIY1-BC-SB-04-0-5

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Quant Time: Jan 14 12:59:58 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

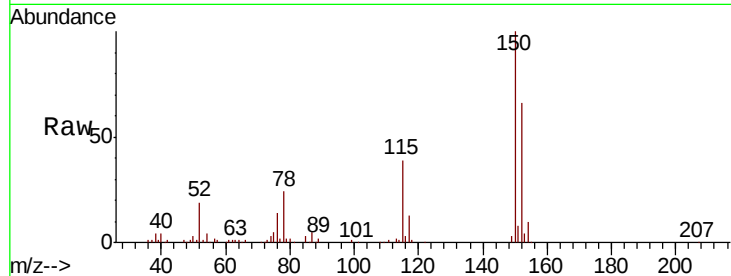
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Instrument :
BNA_F
ClientSampleId :
CIY1-BC-SB-04-0-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.9	125.4	188.0
115	58.5	53.2	79.8

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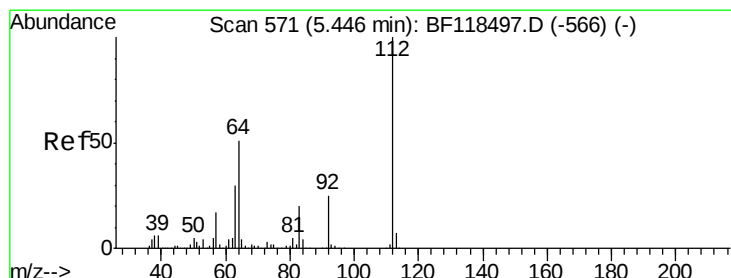
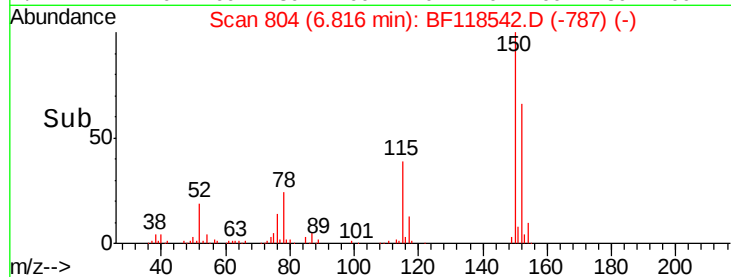
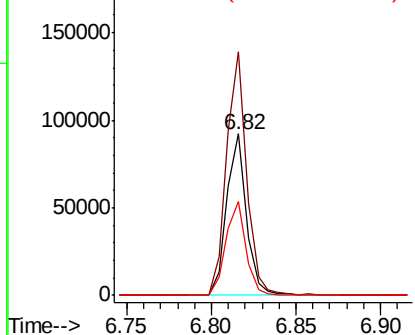


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

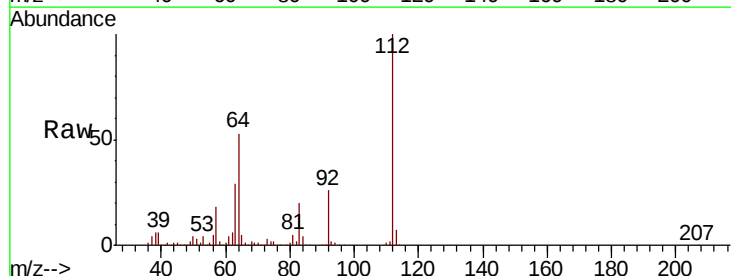
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 82.043 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.00 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	43.4	65.0
63	28.8	25.5	38.3

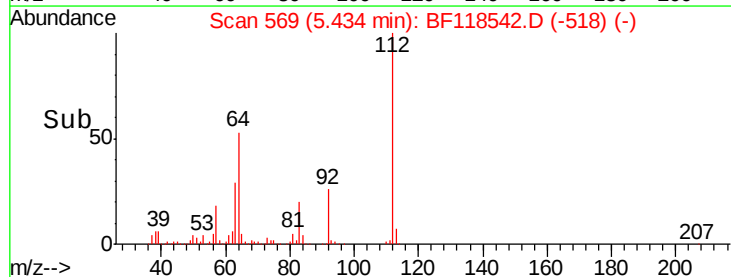
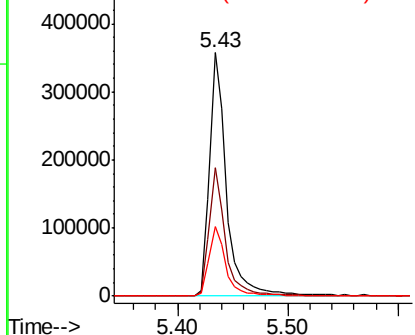


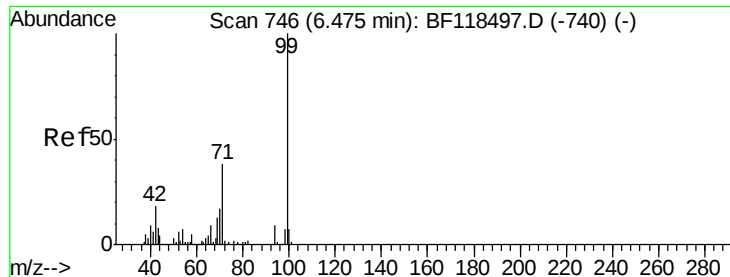
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 92.660 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF118542.D

Acq: 13 Jan 2020 20:37

Instrument :

BNA_F

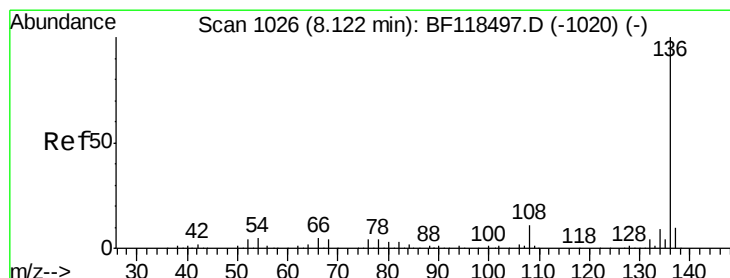
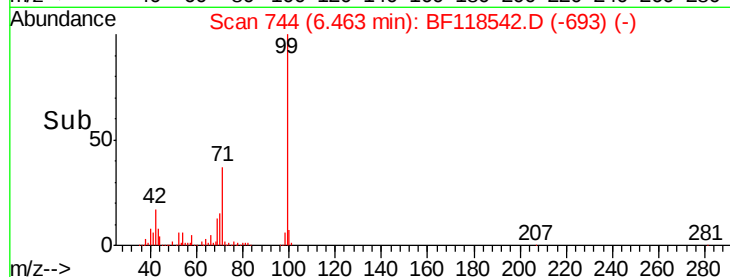
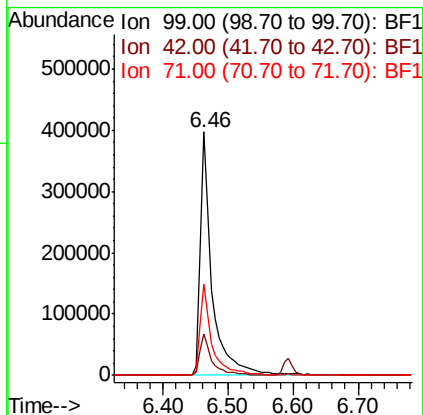
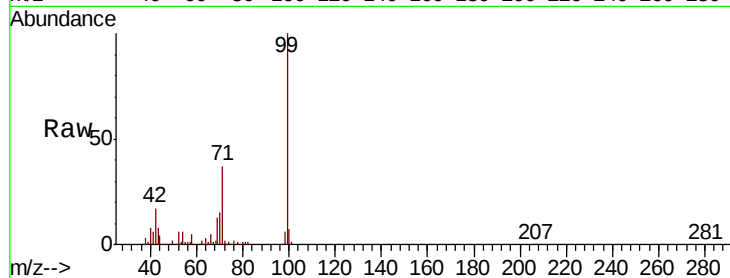
ClientSampleId :

CIY1-BC-SB-04-0-5

Tot Ion:	99	Resp:	502816
Ion	Ratio	Lower	Upper
99	100		
42	16.9	15.0	22.4
71	37.3	31.4	47.0

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#21

Naphthalene-d8

Concen: 20.000 ng

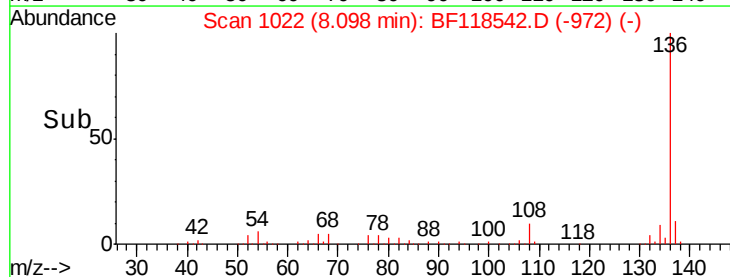
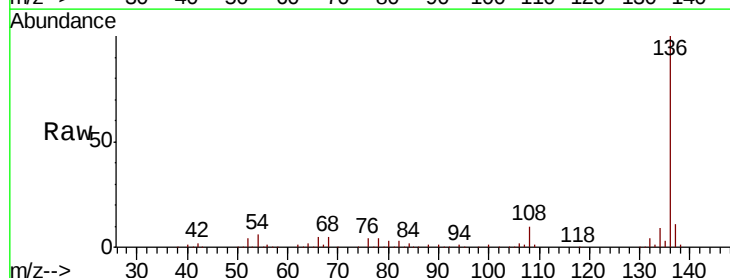
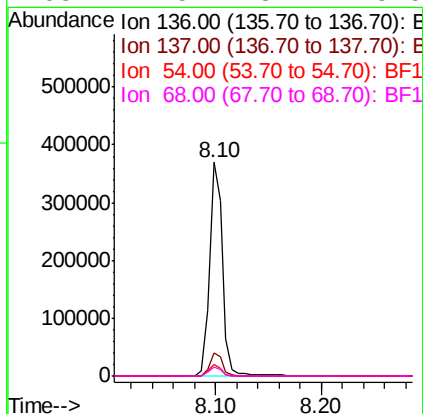
RT: 8.10 min Scan# 1022

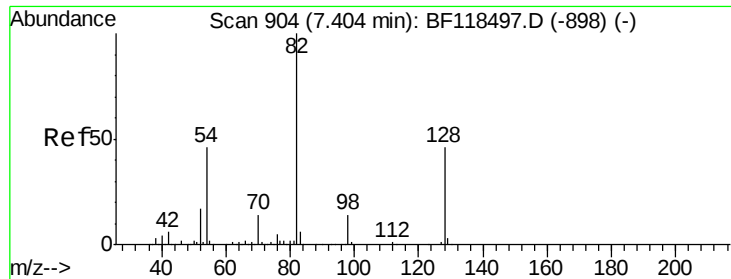
Delta R.T. -0.01 min

Lab File: BF118542.D

Acq: 13 Jan 2020 20:37

Tgt Ion:	136	Resp:	316809
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	5.6	4.8	7.2
68	4.5	3.7	5.5





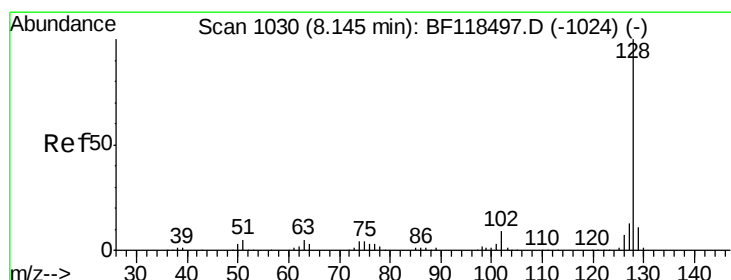
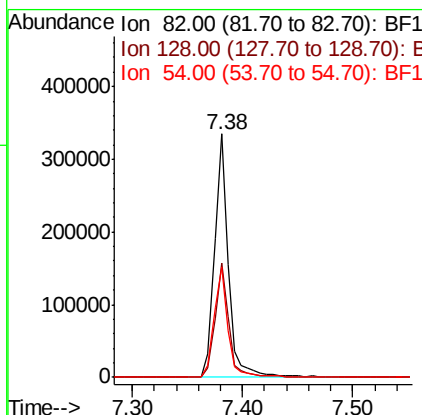
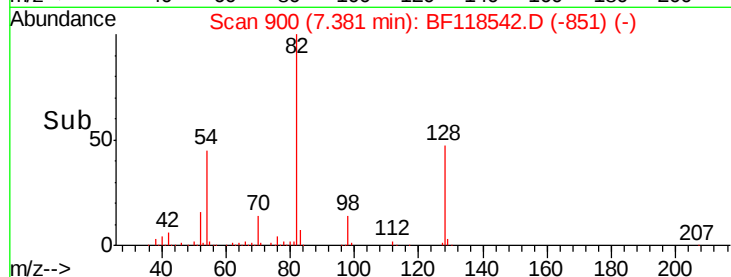
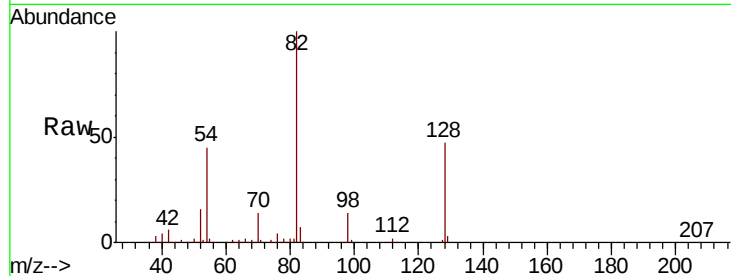
#23
 Nitrobenzene-d5
 Concen: 48.040 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF118542.D
 Acq: 13 Jan 2020 20:37

Instrument :
 BNA_F
 ClientSampleId :
 CIY1-BC-SB-04-0-5

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.6	54.8
54	45.3	38.2	57.2

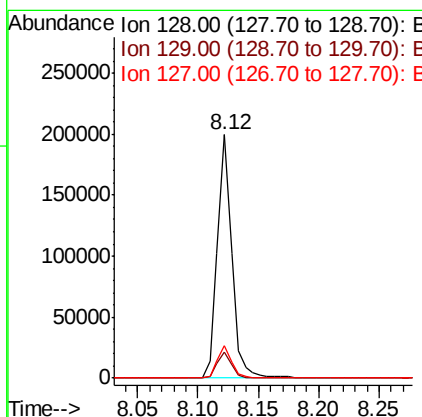
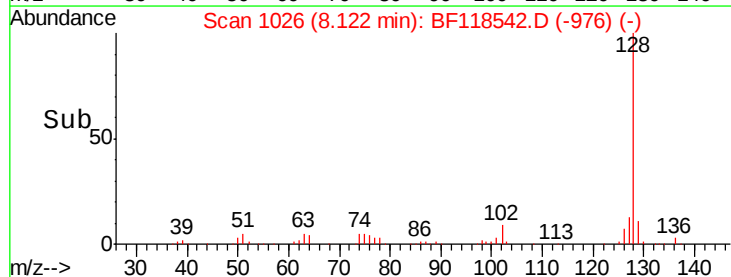
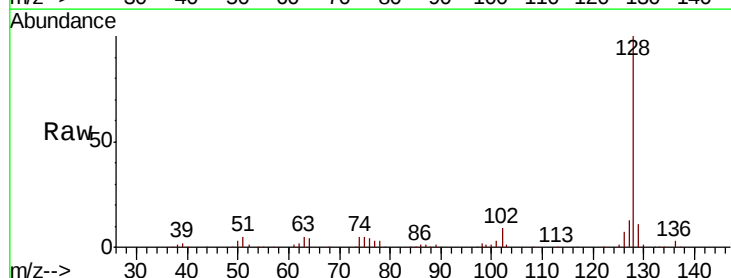
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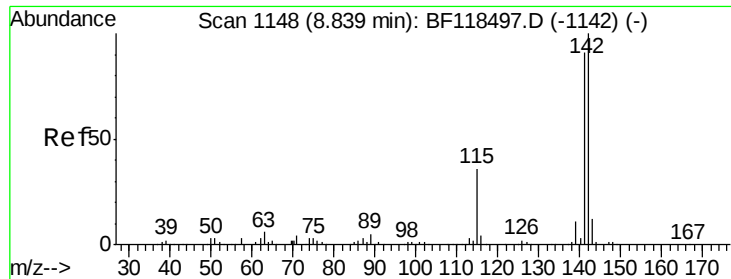
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#31
 Naphthalene
 Concen: 9.938 ng
 RT: 8.12 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BF118542.D
 Acq: 13 Jan 2020 20:37

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.4
127	13.4	10.6	15.8





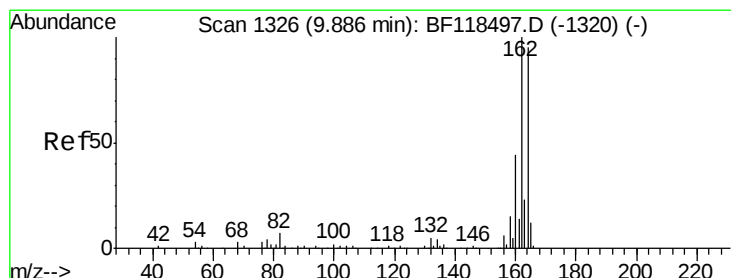
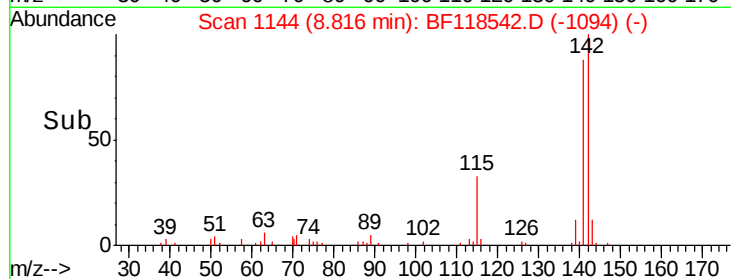
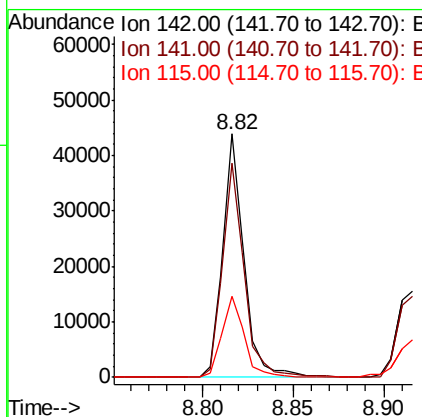
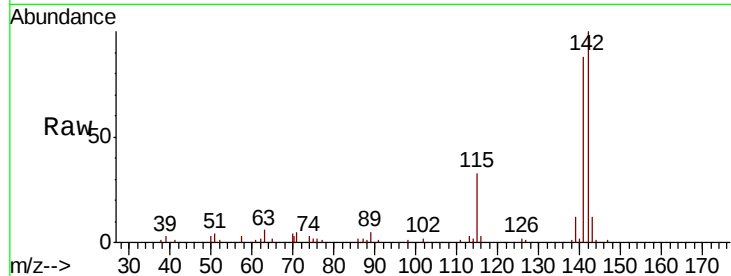
#37
2-Methylnaphthalene
Concen: 3.143 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Instrument :
BNA_F
ClientSampleId :
CIY1-BC-SB-04-0-5

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.2	106.8
115	33.3	29.4	44.2

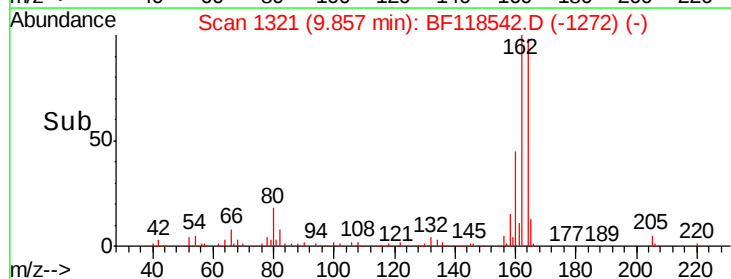
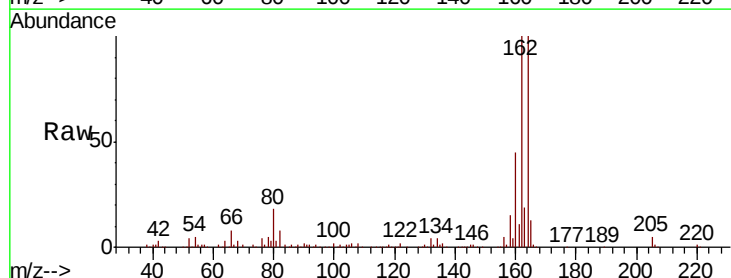
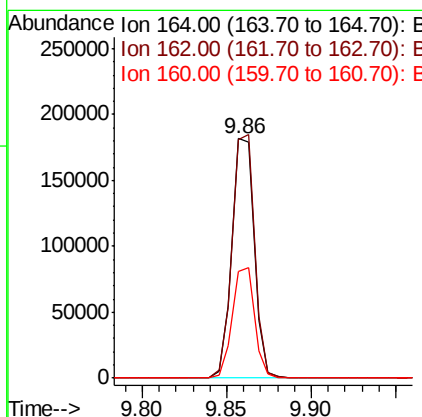
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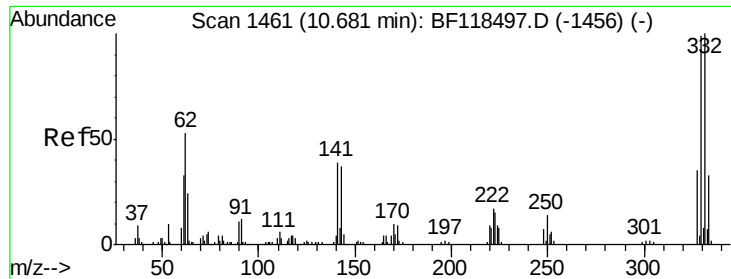
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.9	82.3	123.5
160	44.5	35.3	52.9





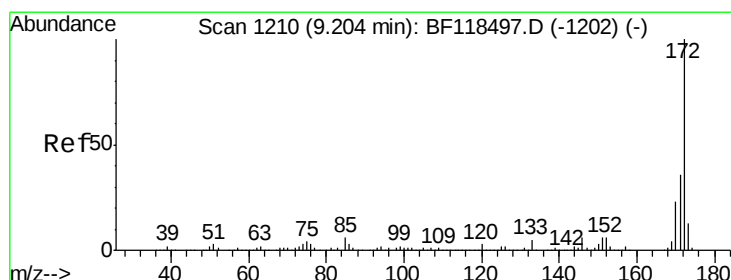
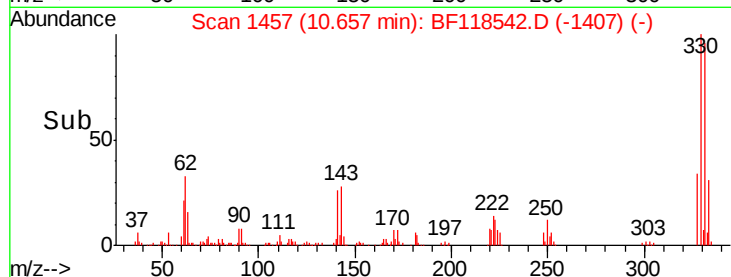
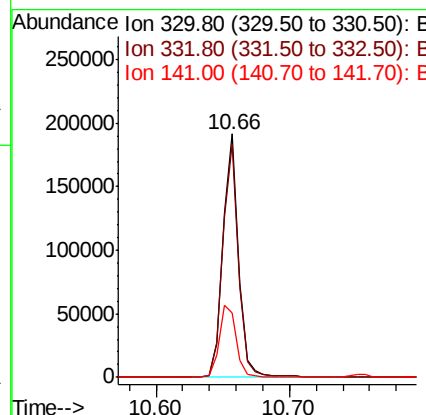
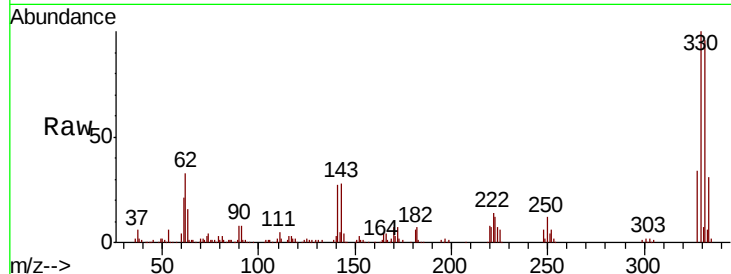
#42
 2,4,6-Tribromophenol
 Concen: 80.923 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF118542.D
 Acq: 13 Jan 2020 20:37

Instrument :
 BNA_F
 ClientSampleId :
 CIY1-BC-SB-04-0-5

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.2	75.5	113.3	
141	32.9	27.8	41.6	

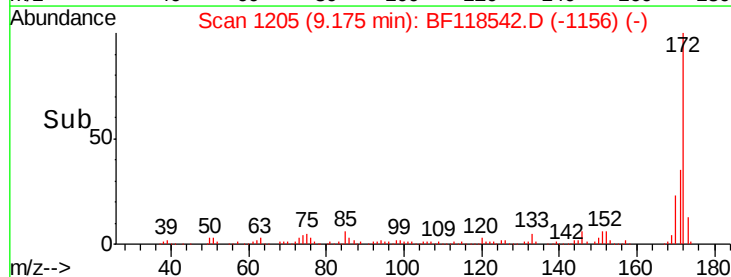
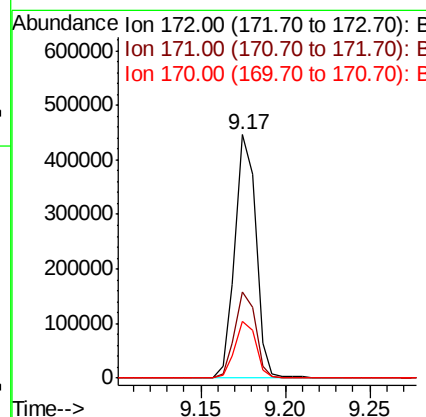
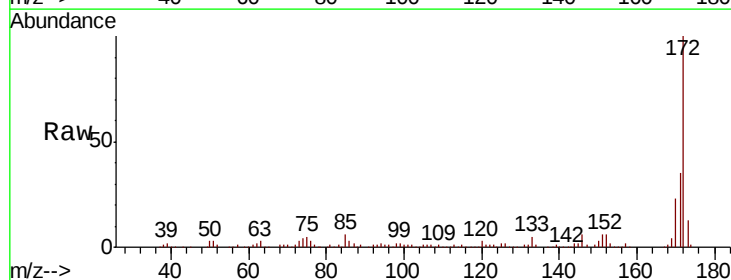
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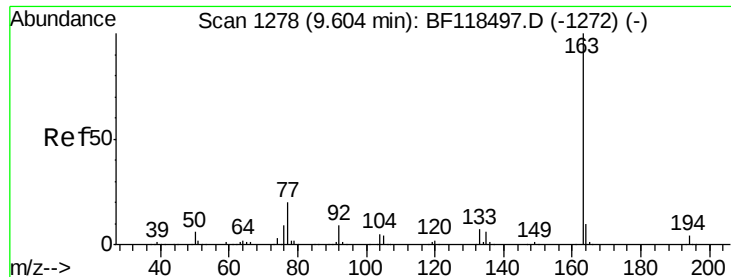
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#45
 2-Fluorobiphenyl
 Concen: 33.348 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF118542.D
 Acq: 13 Jan 2020 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.2	28.3	42.5	
170	23.4	19.0	28.4	





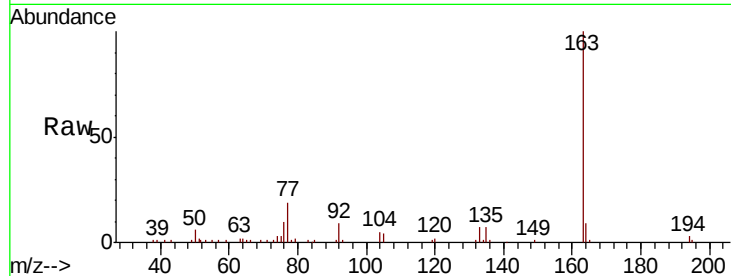
#50
Dimethylphthalate
Concen: 4.287 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.02 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Instrument :
BNA_F
ClientSampleId :
CIY1-BC-SB-04-0-5

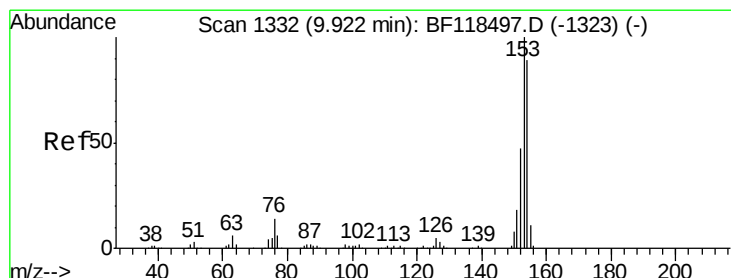
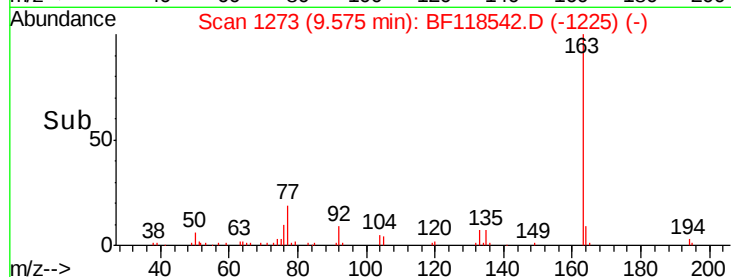
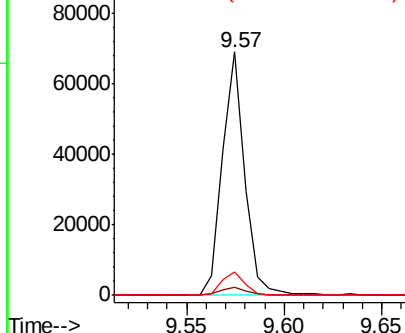
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.1	4.7
164	9.4	8.0	12.0

Manual Integrations
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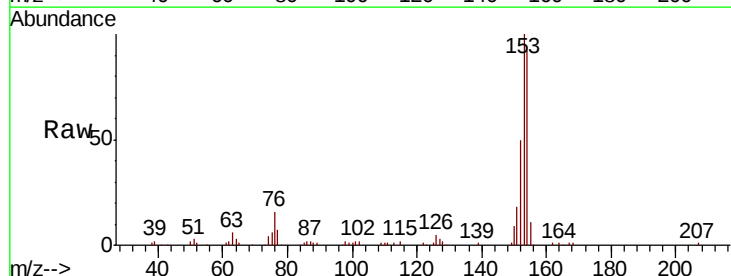


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

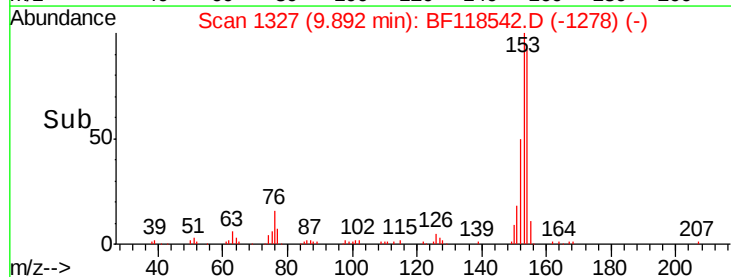
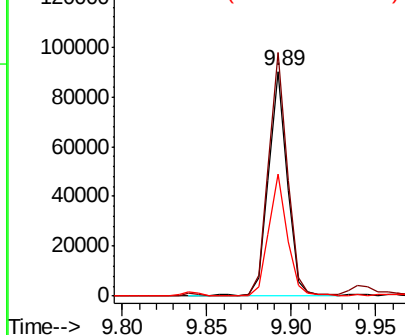


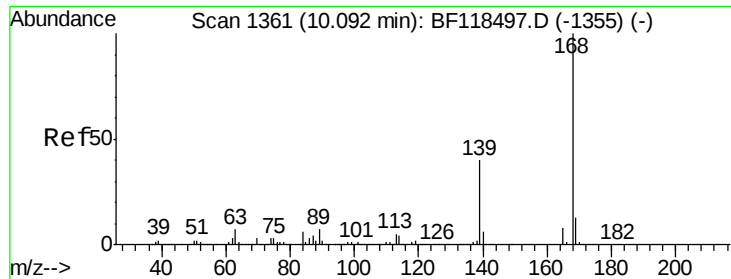
#52
Acenaphthene
Concen: 7.109 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Tgt Ion	Ratio	Lower	Upper
154	100		
153	108.3	90.2	135.4
152	54.0	41.6	62.4



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





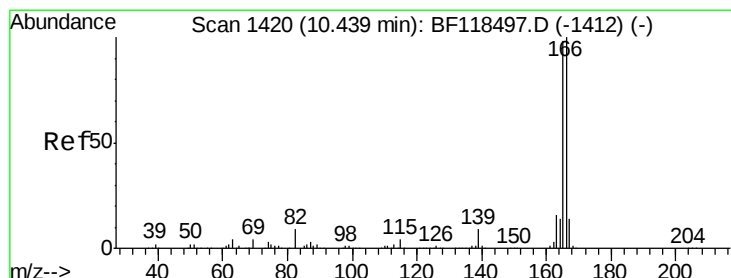
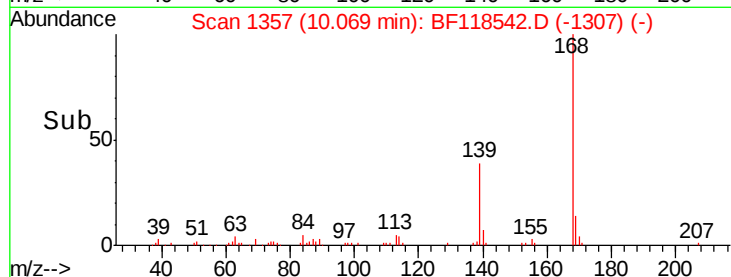
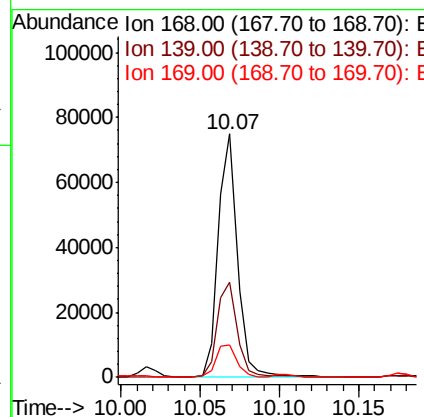
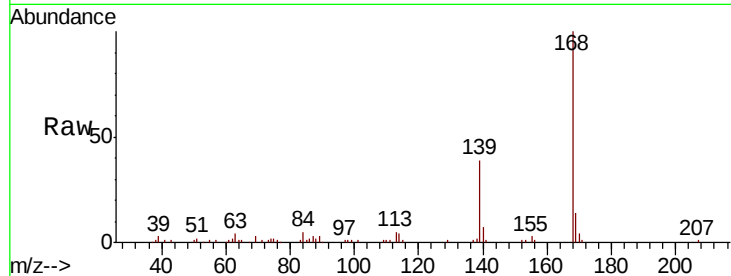
#55
Dibenzofuran
Concen: 4.305 ng
RT: 10.07 min Scan# 1357
Delta R.T. -0.01 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Instrument :
BNA_F
ClientSampleId :
CIY1-BC-SB-04-0-5

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.9	34.1	51.1
169	13.5	10.6	16.0

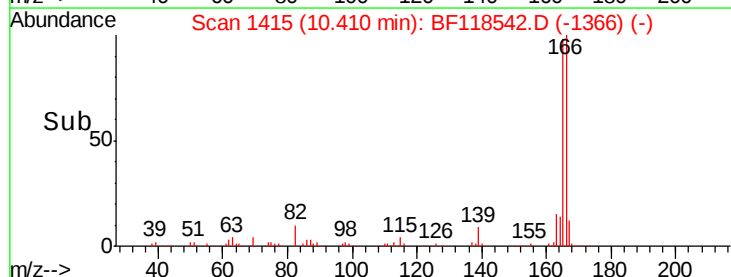
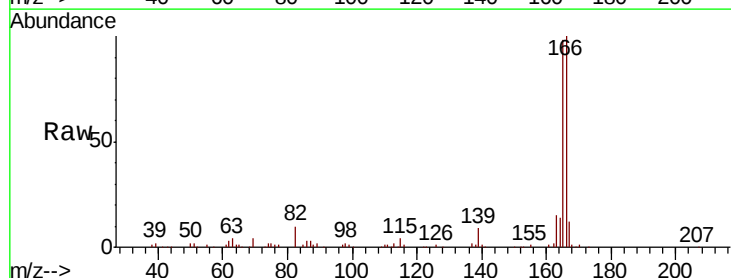
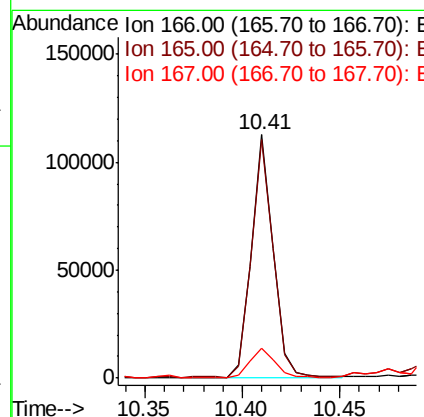
Manual Integrations
APPROVED

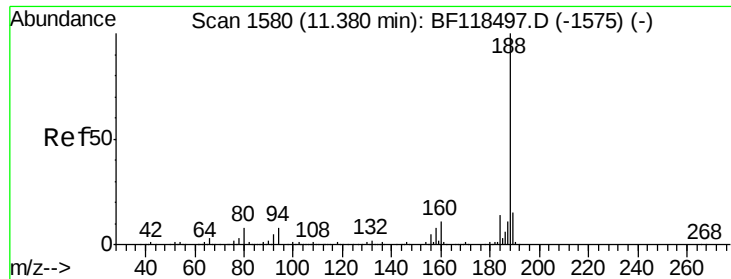
mohammad
1/14/2020 2:31:47 PM



#58
Fluorene
Concen: 7.397 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.4	117.6
167	12.5	10.6	16.0





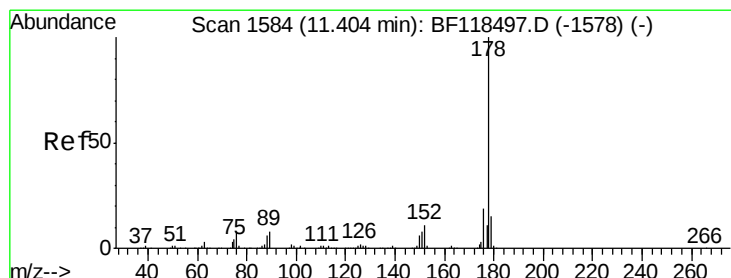
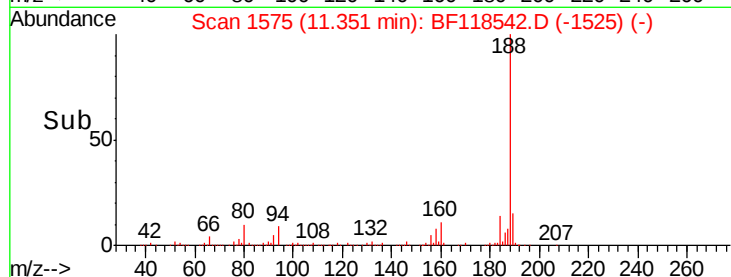
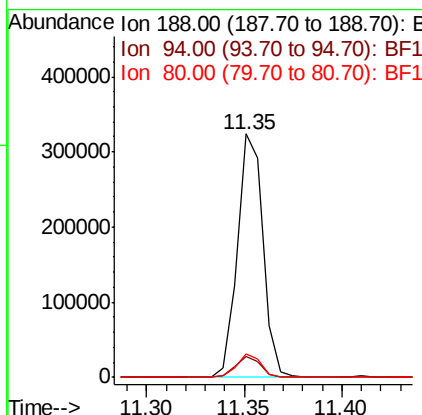
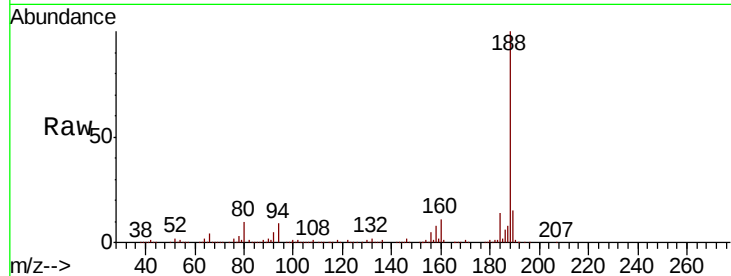
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Instrument :
BNA_F
ClientSampleId :
CIY1-BC-SB-04-0-5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	293360		
94	8.7		6.3	9.5
80	9.6		6.8	10.2

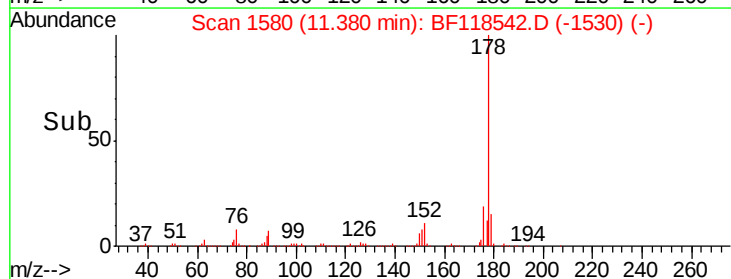
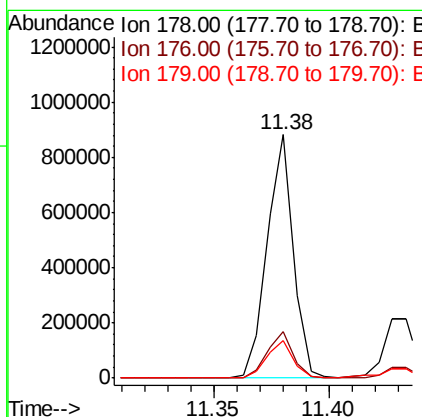
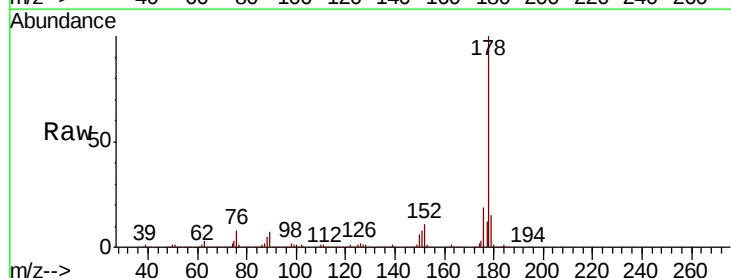
Manual Integrations
APPROVED

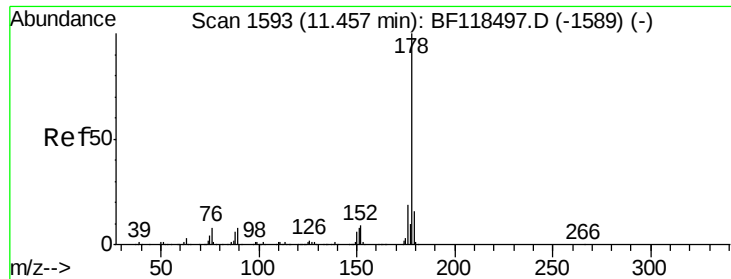
mohammad
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#71
Phenanthrene
Concen: 42.448 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	697568		
176	19.2		15.3	22.9
179	15.2		12.2	18.2





#72

Anthracene

Concen: 11.876 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF118542.D

Acq: 13 Jan 2020 20:37

Instrument :

BNA_F

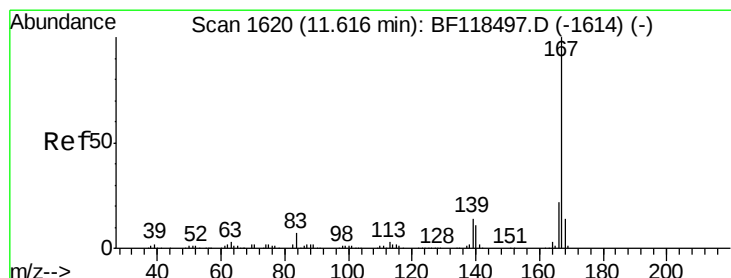
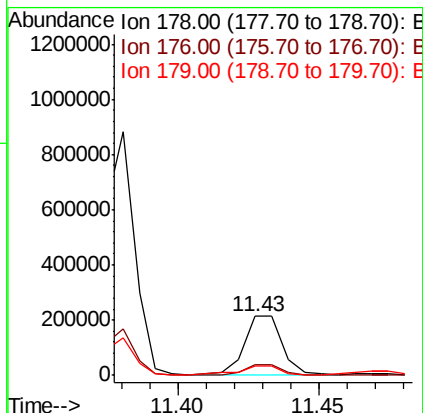
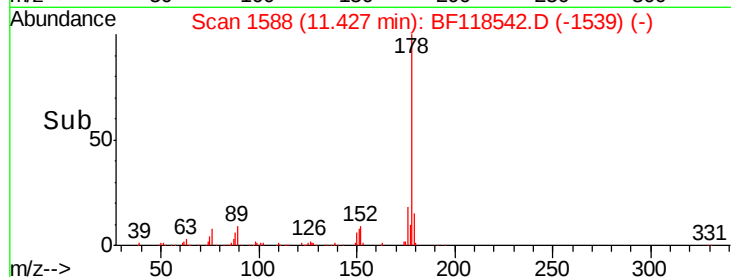
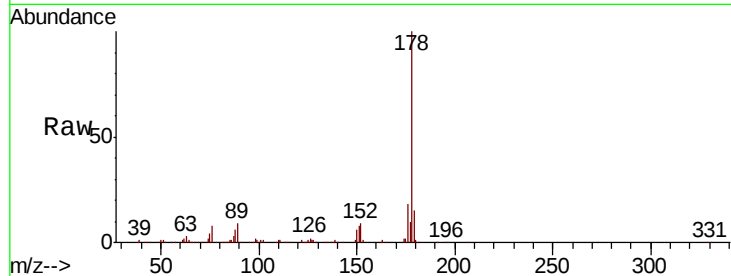
ClientSampleId :

CIY1-BC-SB-04-0-5

Tot Ion:	178	Resp:	194157
Ion Ratio	Lower	Upper	
178	100		
176	17.5	15.0	22.6
179	15.2	12.4	18.6

Manual Integrations
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#73

Carbazole

Concen: 4.816 ng

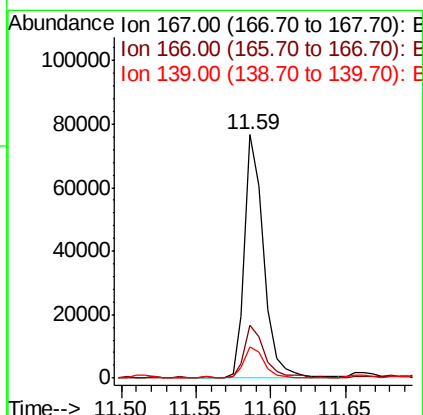
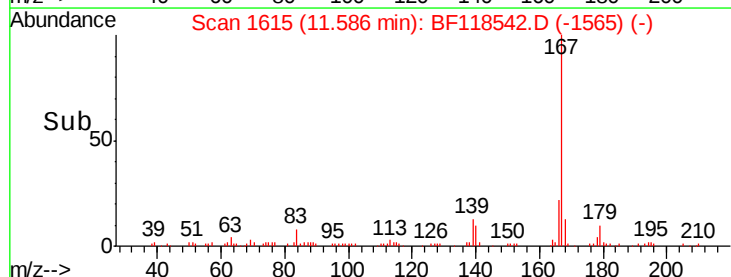
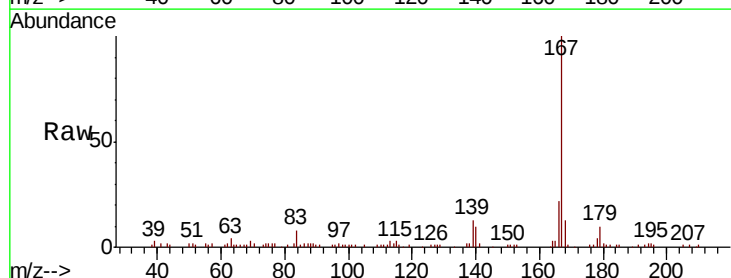
RT: 11.59 min Scan# 1615

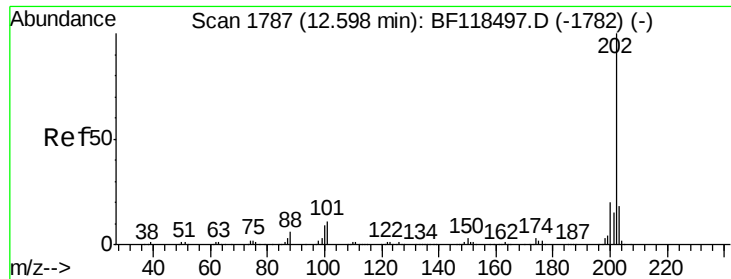
Delta R.T. -0.01 min

Lab File: BF118542.D

Acq: 13 Jan 2020 20:37

Tgt Ion:	167	Resp:	68208
Ion Ratio	Lower	Upper	
167	100		
166	21.6	17.5	26.3
139	12.9	11.5	17.3





#75

Fluoranthene

Concen: 48.537 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF118542.D

Acq: 13 Jan 2020 20:37

Instrument :

BNA_F

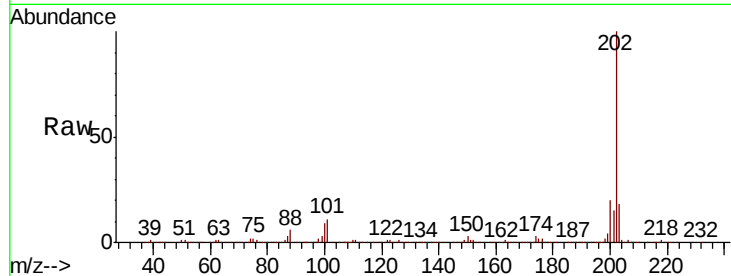
ClientSampleId :

CIY1-BC-SB-04-0-5

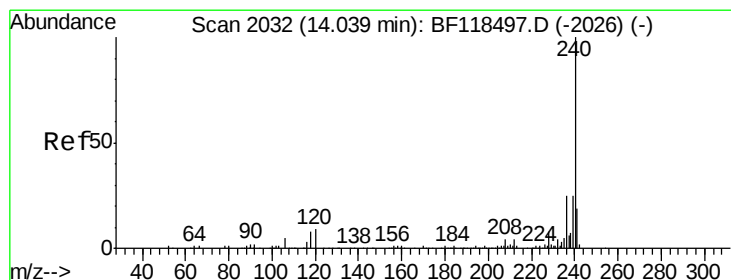
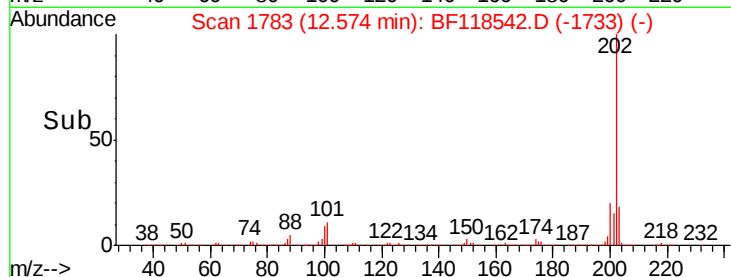
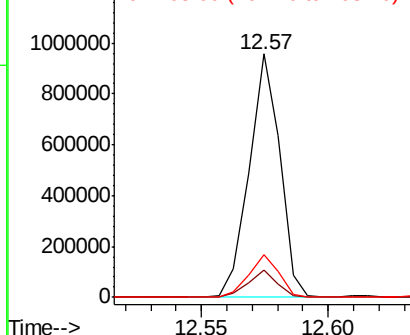
Tot Ion	Ratio	Resp	Lower	Upper
202	100	810722		
101	11.3		0.0	29.7
203	17.6		0.0	37.2

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

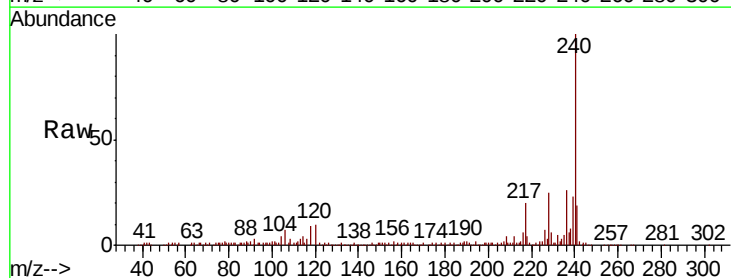
RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

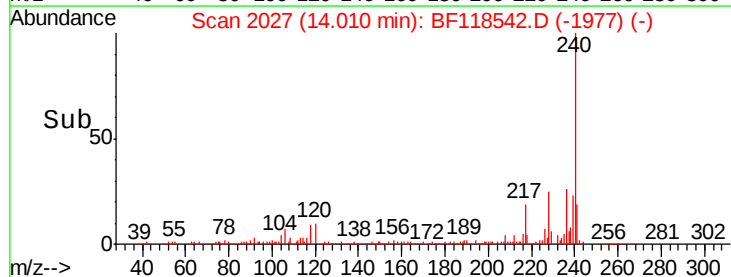
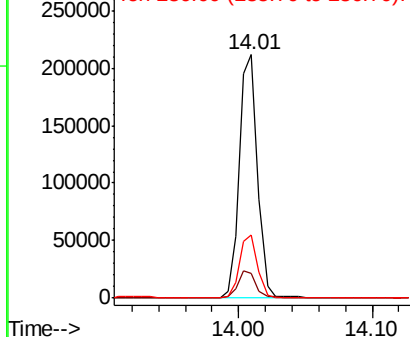
Lab File: BF118542.D

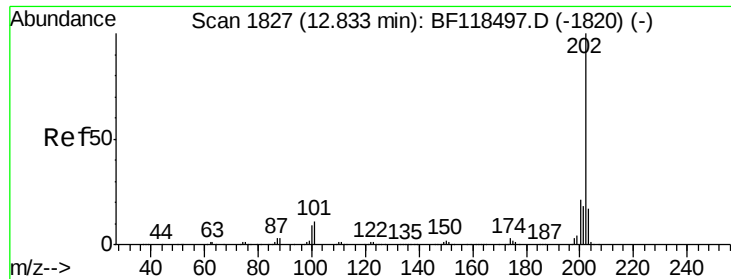
Acq: 13 Jan 2020 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	202082		
120	10.1		6.9	10.3
236	26.1		20.6	30.8



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





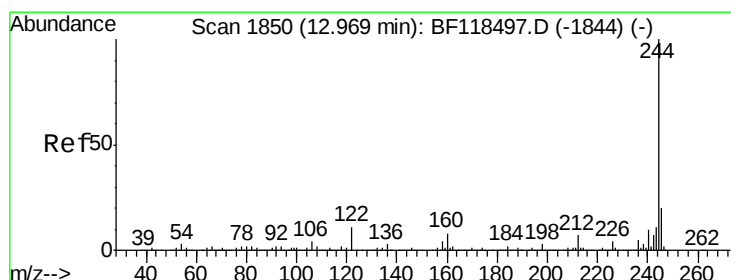
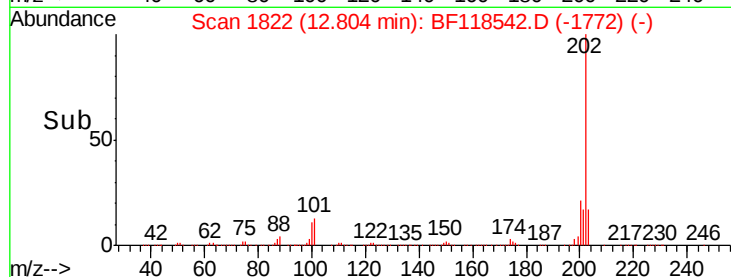
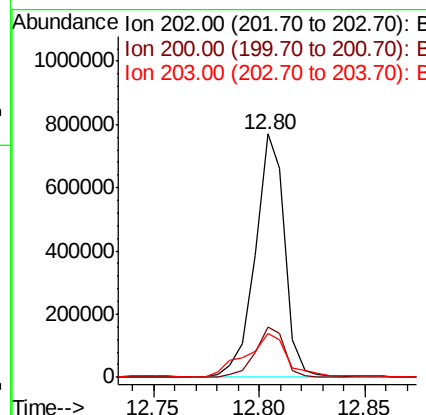
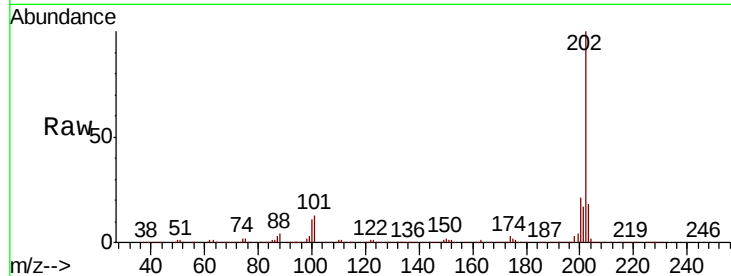
#78
Pvrene
Concen: 44.981 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Instrument :
BNA_F
ClientSampleId :
CIY1-BC-SB-04-0-5

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	17.9	13.8	20.8

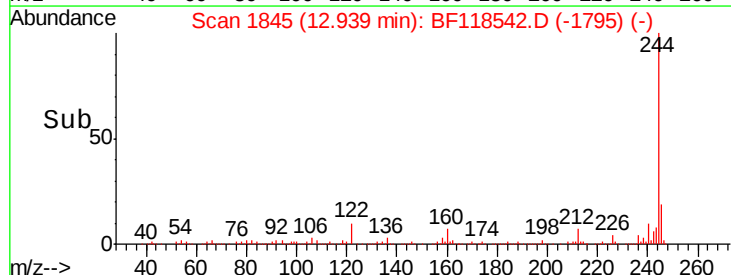
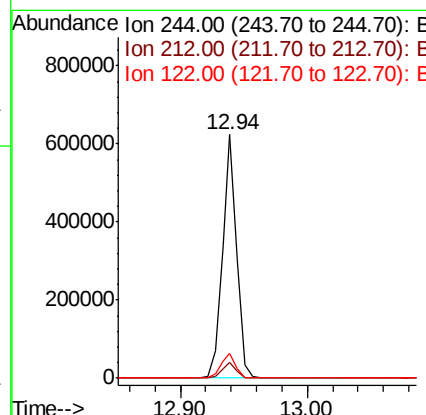
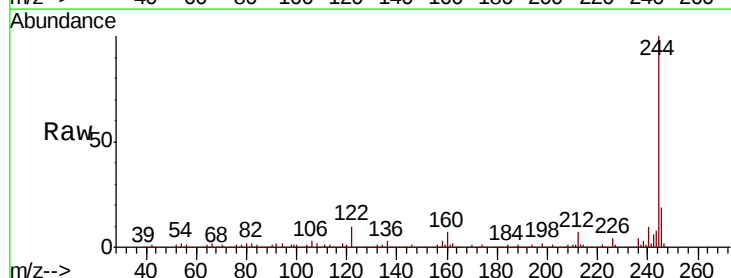
Manual Integrations
APPROVED

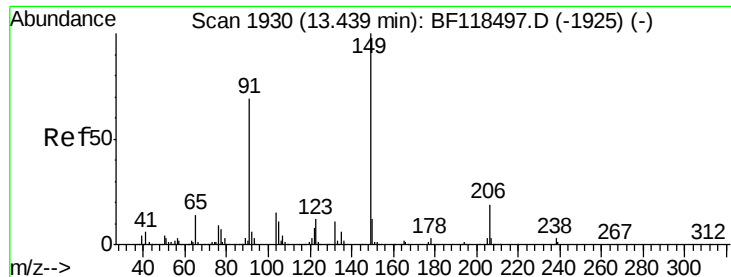
mohammad
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#79
Terphenyl-d14
Concen: 38.262 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.9	8.9
122	10.3	9.5	14.3





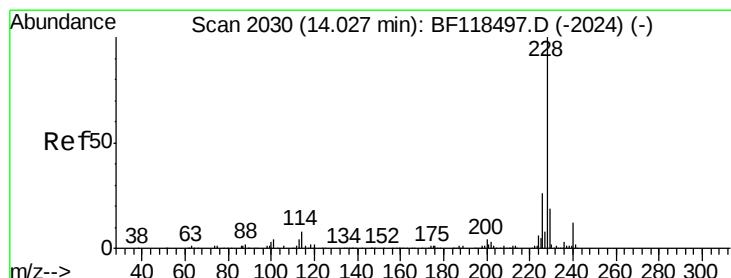
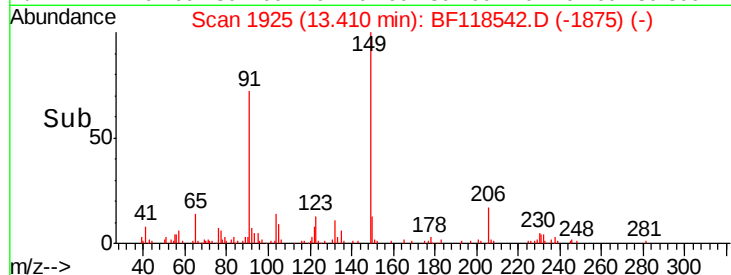
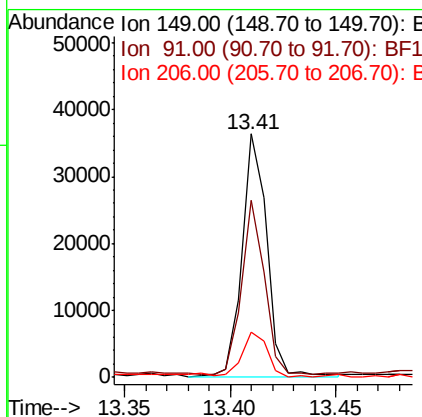
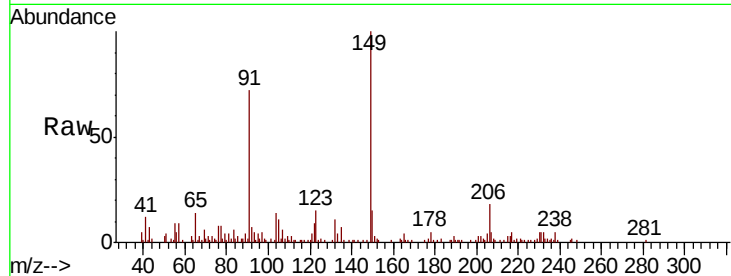
#80
Butylbenzylphthalate
Concen: 3.908 ng
RT: 13.41 min Scan# 1925
Delta R.T. -0.01 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Instrument :
BNA_F
ClientSampleId :
CIY1-BC-SB-04-0-5

Tot Ion	Ratio	Lower	Upper
149	100		
91	72.5	55.5	83.3
206	18.4	15.1	22.7

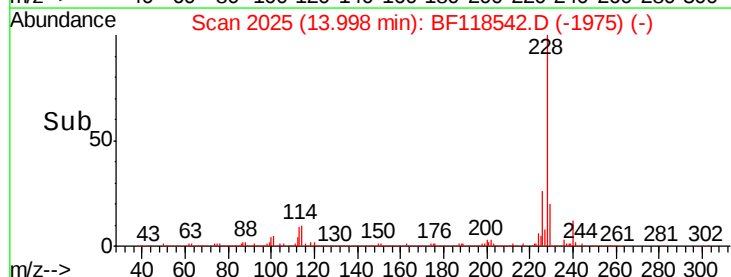
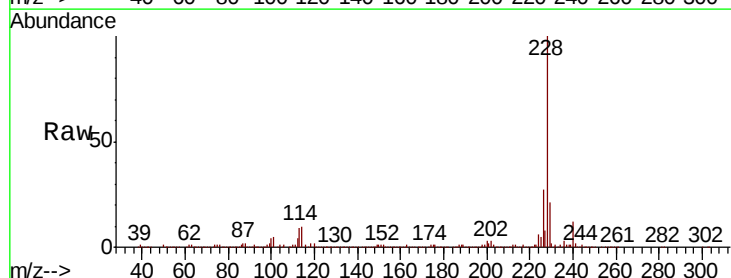
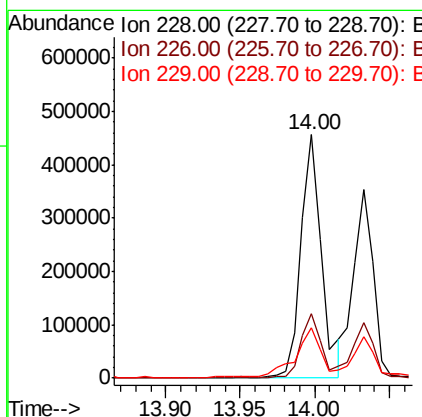
Manual Integrations
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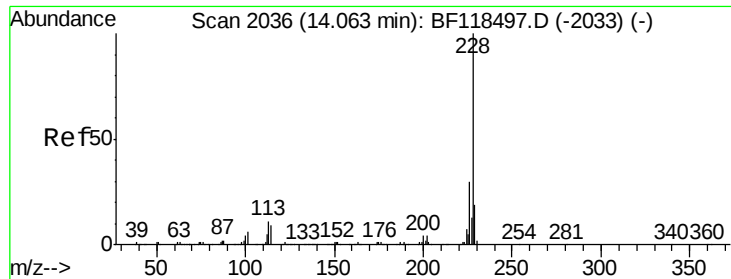
mohammad
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#81
Benzo(a)anthracene
Concen: 31.102 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.4	32.0
229	20.6	16.1	24.1





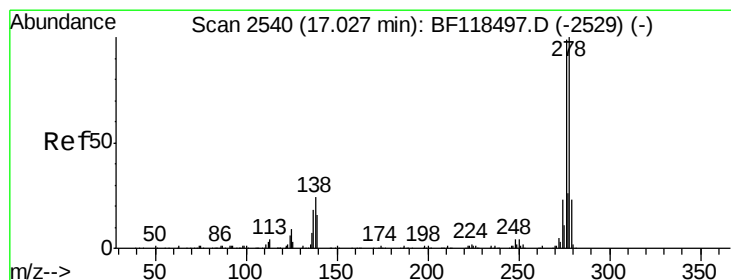
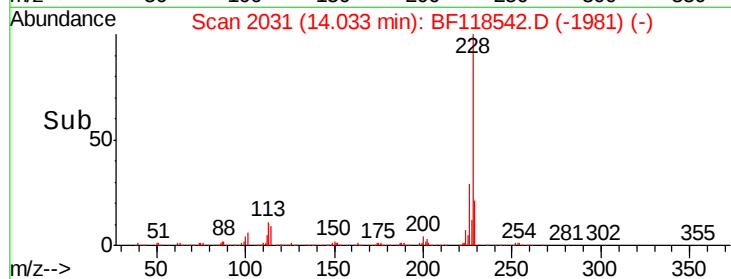
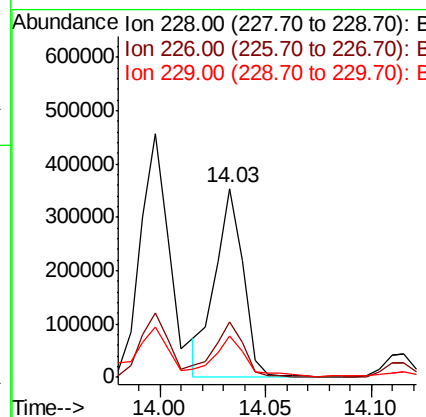
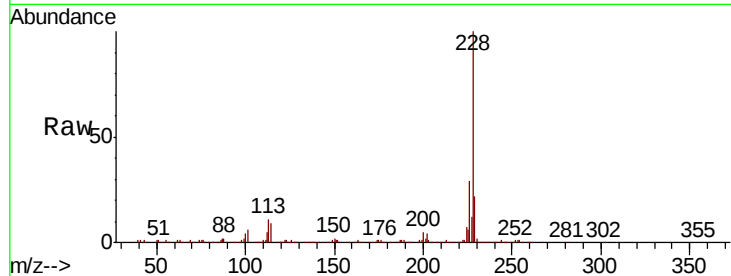
#83
Chrysene
Concen: 23.770 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Instrument :
BNA_F
ClientSampleId :
CIY1-BC-SB-04-0-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.9	35.9
229	21.9	16.2	24.2

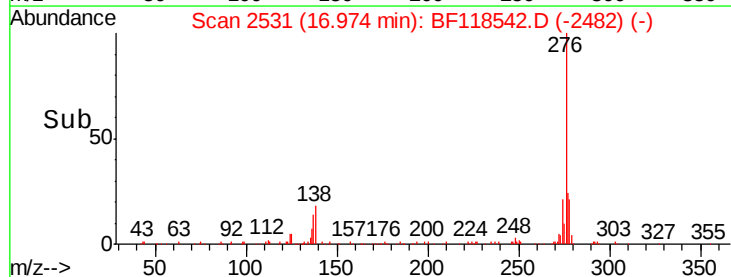
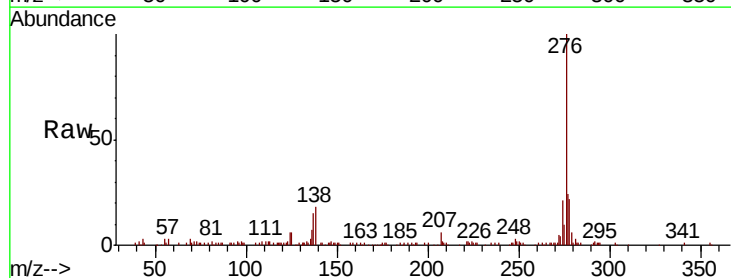
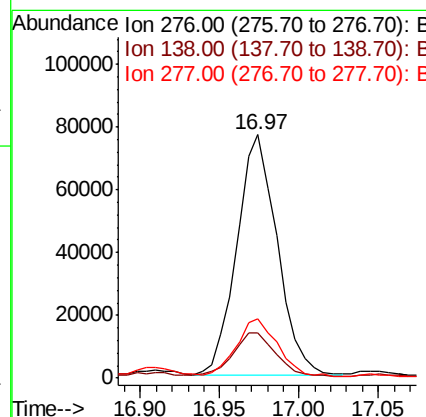
Manual Integrations
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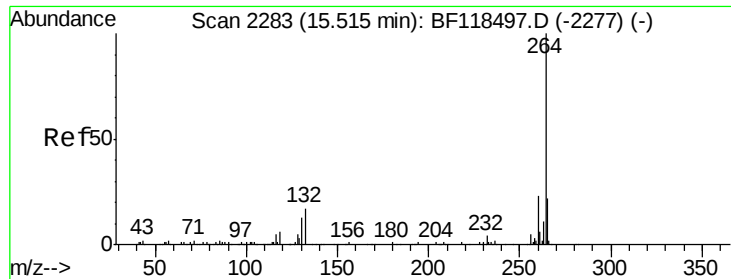
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 12.353 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.2	19.2	28.8#
277	23.5	20.4	30.6





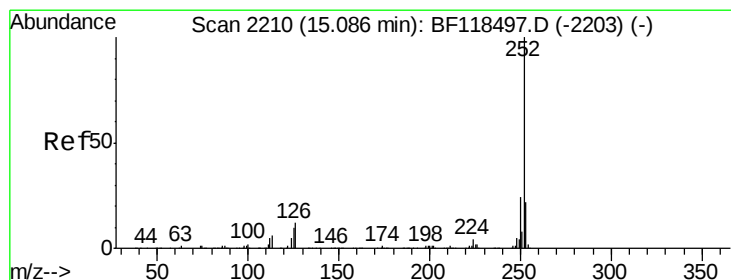
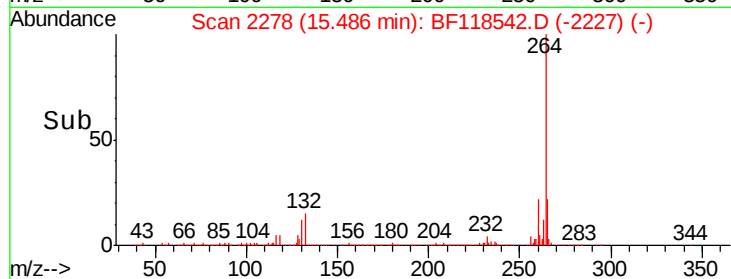
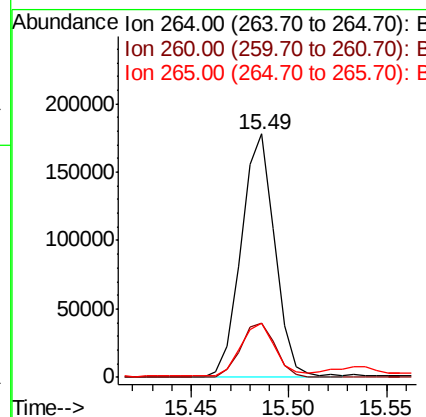
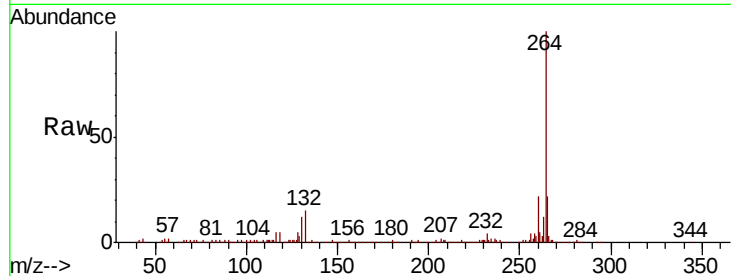
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.00 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Instrument :
BNA_F
ClientSampleId :
CIY1-BC-SB-04-0-5

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.0	18.7	28.1
265	22.3	17.6	26.4

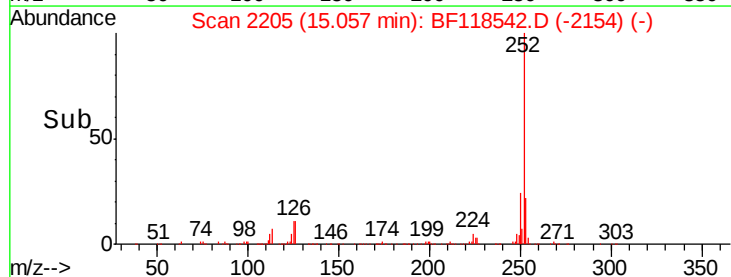
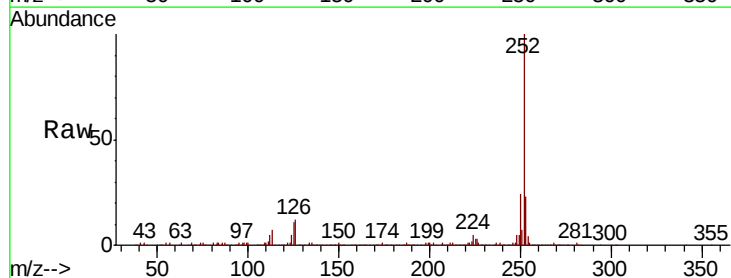
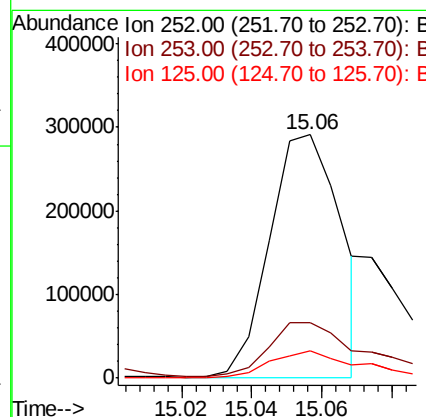
Manual Integrations
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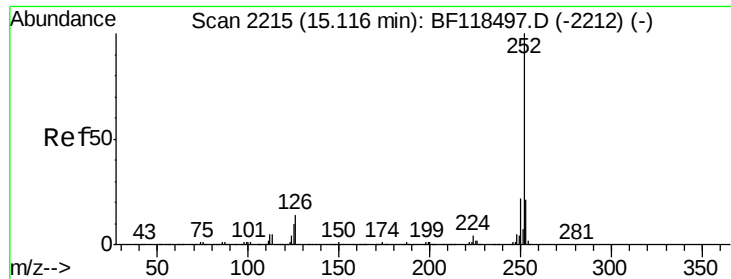
mohammad
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#88
Benzo(b)fluoranthene
Concen: 27.155 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	11.3	7.4	11.0#





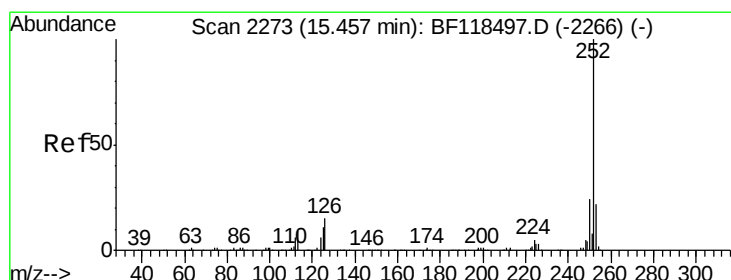
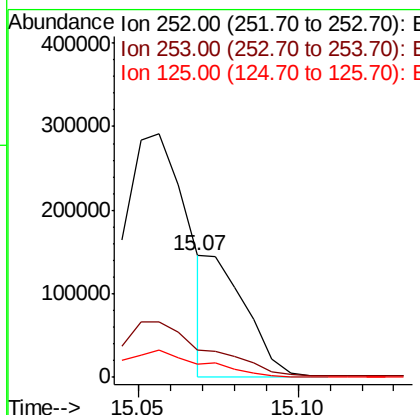
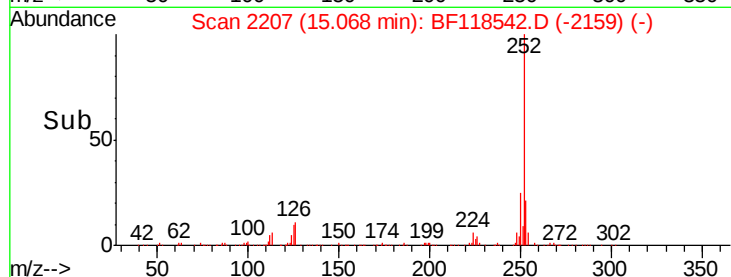
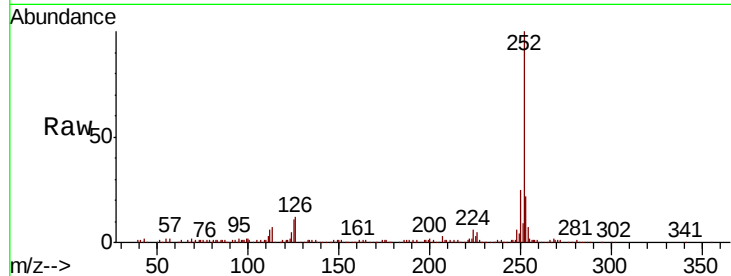
#89
Benzo(k)fluoranthene
Concen: 8.573 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Instrument :
BNA_F
ClientSampleId :
CIY1-BC-SB-04-0-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	10.6	8.1	12.1

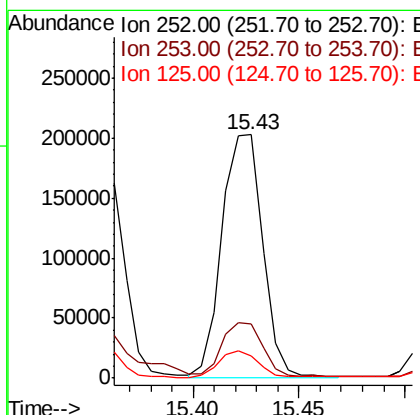
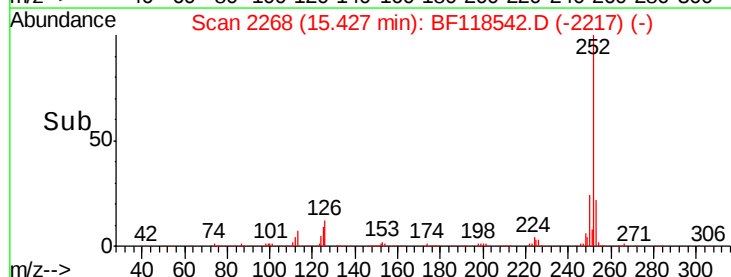
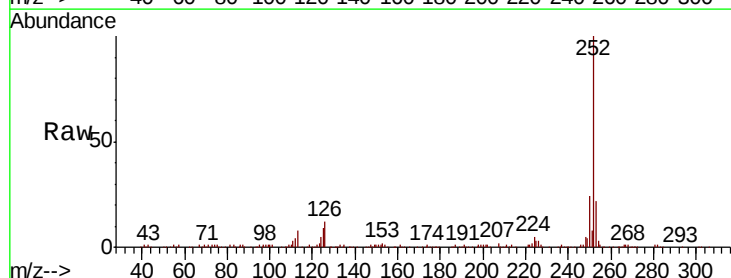
Manual Integrations
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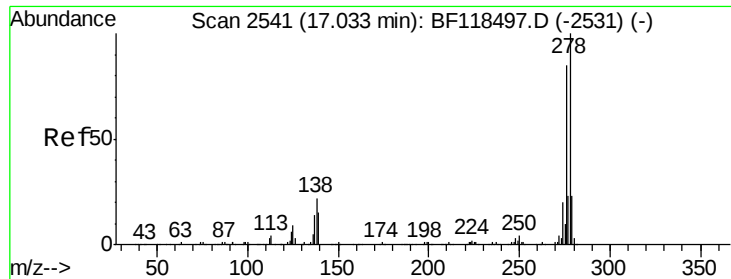
mohammad
1/14/2020 2:31:47 PM



#90
Benzo(a)pyrene
Concen: 21.569 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.00 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	9.3	8.7	13.1





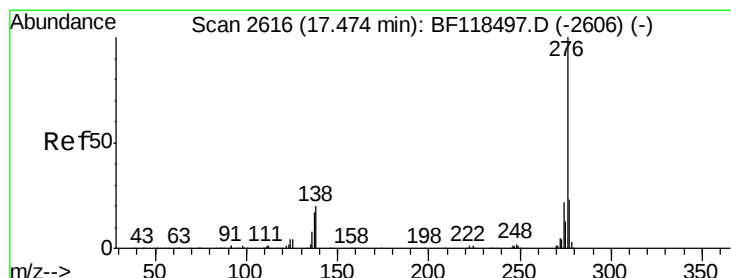
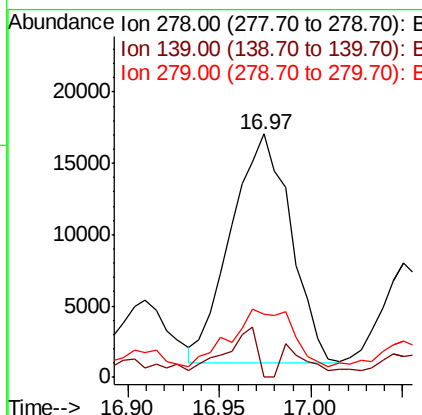
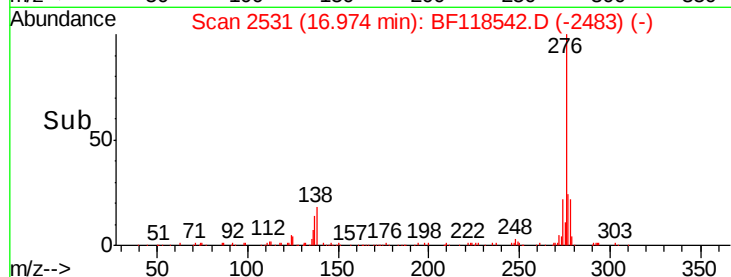
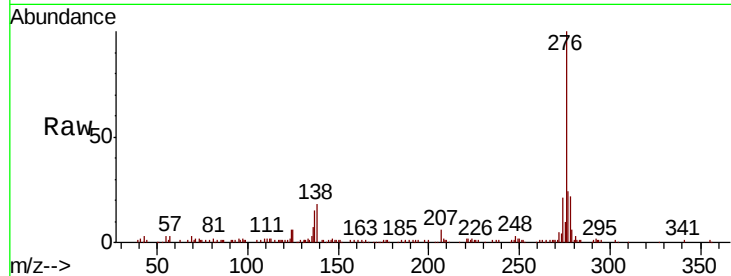
#91
Dibenzo(a,h)anthracene
Concen: 3.091 ng m
RT: 16.97 min Scan# 2531
Delta R.T. -0.02 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Instrument :
BNA_F
ClientSampleId :
CIY1-BC-SB-04-0-5

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	19.0#
279	26.0	18.9	28.3

Manual Integrations
APPROVED

mohammad
1/14/2020 2:31:47 PM



#92
Benzo(g,h,i)perylene
Concen: 11.253 ng m
RT: 17.42 min Scan# 2607
Delta R.T. -0.01 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.8	28.2
138	22.3	14.7	22.1#

