

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
 Data File : BF120043.D
 Acq On : 16 Apr 2020 18:26
 Operator : MA/SJ
 Sample : L2245-14 5X
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-23A

Manual Integrations
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Quant Time: Apr 17 04:18:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 16 10:48:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	151539	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	540099	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	240639	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	373815	20.00	ng	0.00
76) Chrysene-d12	13.90	240	255706	20.00	ng	0.00
87) Perylene-d12	15.33	264	223394	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	318457	36.32	ng	0.00
7) Phenol-d6	6.36	99	403959	35.75	ng	0.00
23) Nitrobenzene-d5	7.29	82	247729	23.73	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	67083	22.77	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	480028	28.32	ng	0.00
79) Terphenyl-d14	12.84	244	376173	24.75	ng	-0.01

Target Compounds				Qvalue		
31) Naphthalene	8.03	128	74333	2.616	ng	100
50) Dimethylphthalate	9.49	163	59726	3.209	ng	# 97
52) Acenaphthene	9.80	154	98315	6.194	ng	98
55) Dibenzofuran	9.97	168	78308	3.595	ng	98
58) Fluorene	10.32	166	134155	7.701	ng	100
71) Phenanthrene	11.28	178	1518702	76.336	ng	98
72) Anthracene	11.33	178	410834	20.215	ng	97
73) Carbazole	11.49	167	106064	5.519	ng	99
75) Fluoranthene	12.47	202	1863493	86.810	ng	99
78) Pyrene	12.70	202	1724908	80.018	ng	99
81) Benzo(a)anthracene	13.89	228	917783	54.559	ng	97
83) Chrysene	13.93	228	802699	46.962	ng	98
86) Indeno(1,2,3-cd)pyrene	16.72	276	298981	19.843	ng	98
88) Benzo(b)fluoranthene	14.92	252	774038m	48.165	ng	
89) Benzo(k)fluoranthene	14.94	252	290502m	20.951	ng	
90) Benzo(a)pyrene	15.27	252	576888	42.695	ng	98
91) Dibenzo(a,h)anthracene	16.72	278	79242m	6.621	ng	
92) Benzo(g,h,i)perylene	17.13	276	265570	22.478	ng	95

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

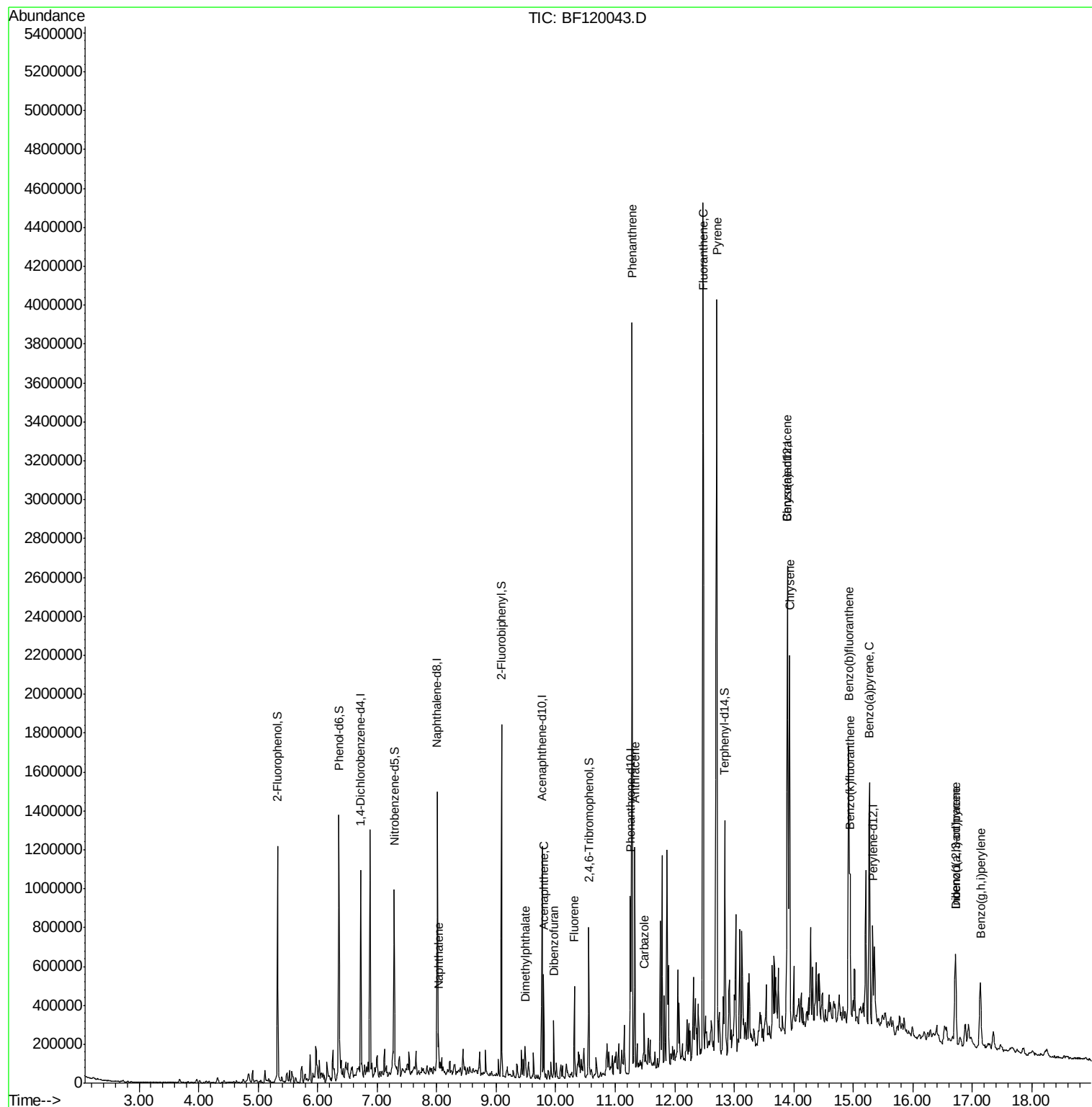
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120043.D
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Sample : L2245-14 5X
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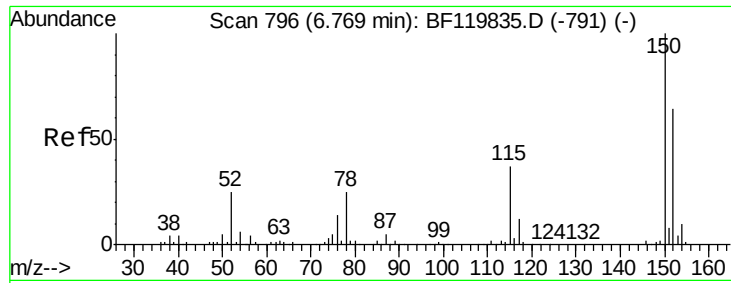
Instrument :
BNA_F
ClientSampled :
TP-23A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

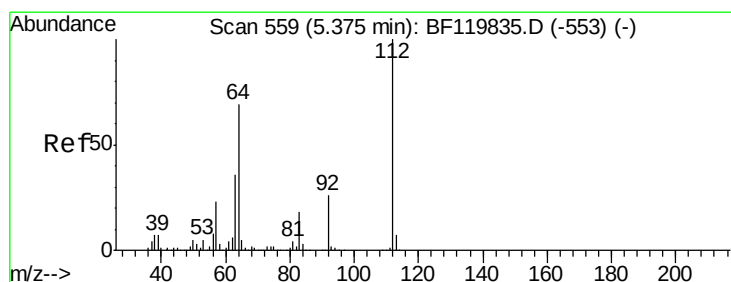
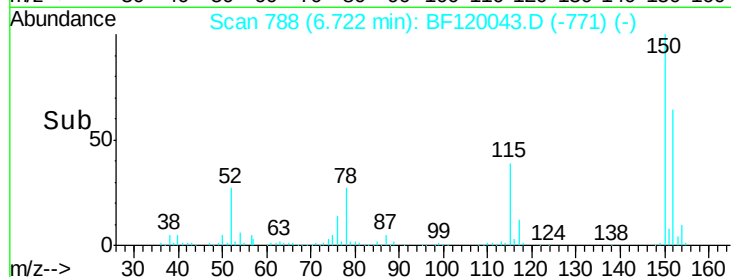
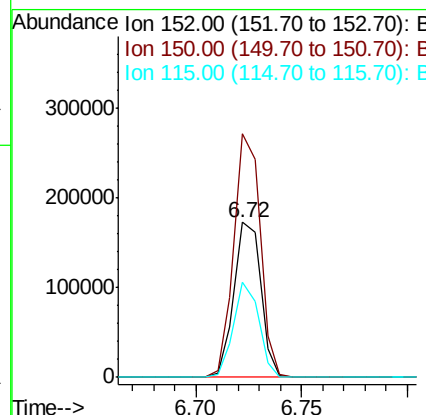
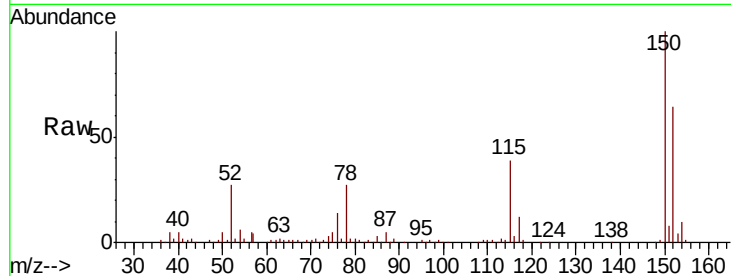
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF120043.D
Acq: 16 Apr 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-23A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.8	187.2
115	61.0	46.5	69.7

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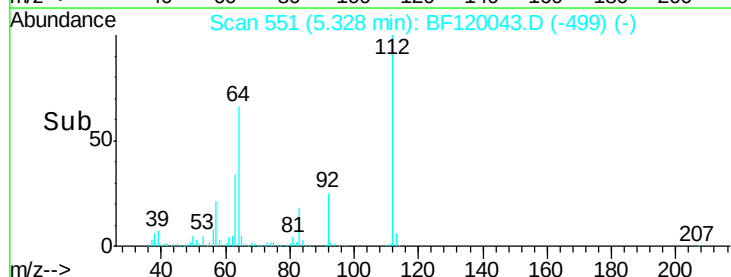
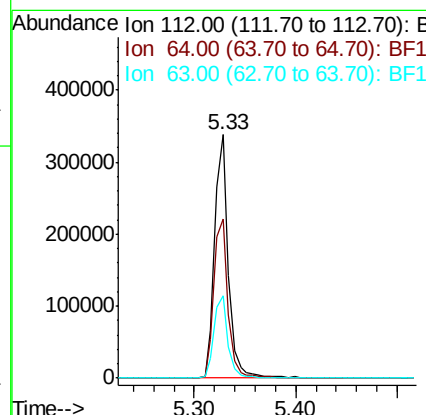
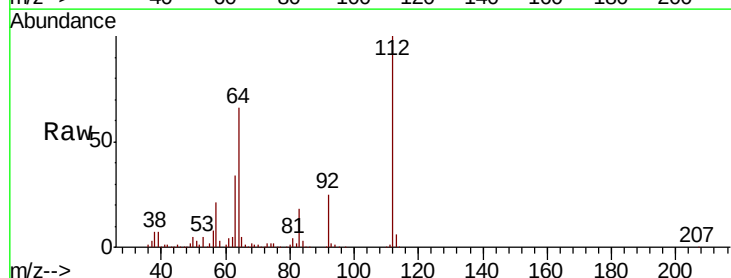
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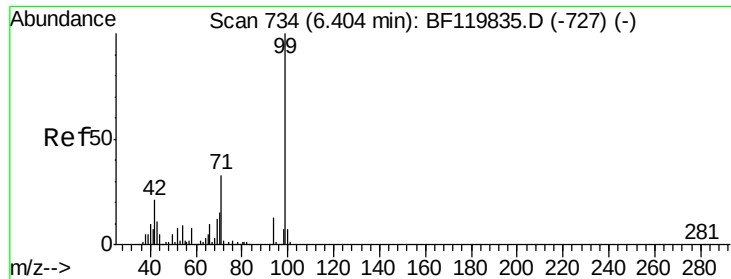


#5

2-Fluorophenol
Concen: 36.318 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF120043.D
Acq: 16 Apr 2020 18:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	55.5	83.3
63	33.8	29.1	43.7





#7

Phenol-d6

Concen: 35.752 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF120043.D

Acq: 16 Apr 2020 18:26

Instrument :

BNA_F

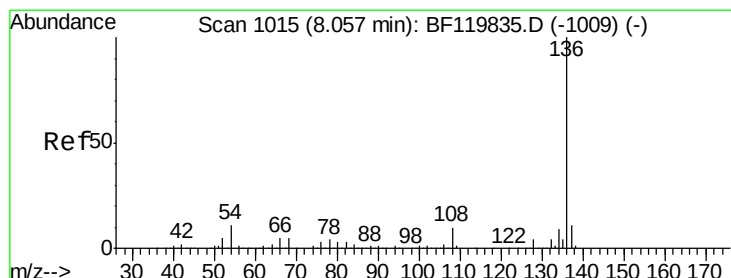
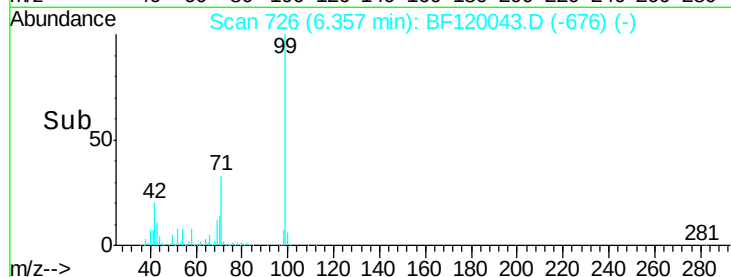
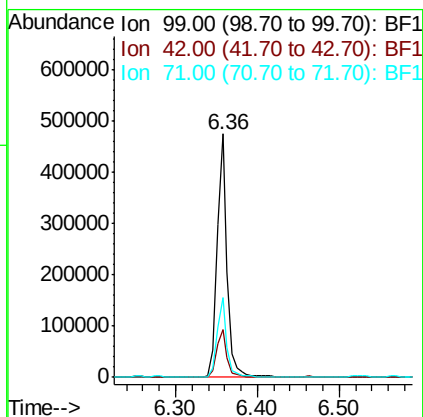
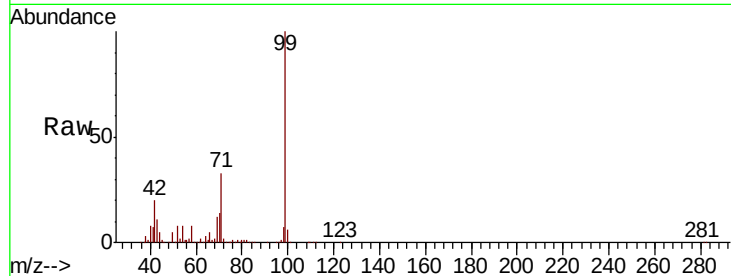
ClientSampleId :

TP-23A

Tot Ion:	99	Resp:	403959
Ion	Ratio	Lower	Upper
99	100		
42	19.9	16.9	25.3
71	32.7	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.000 ng

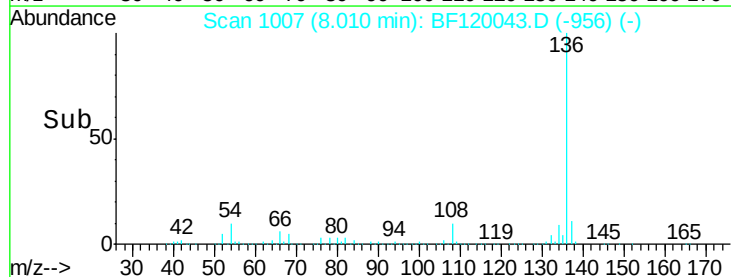
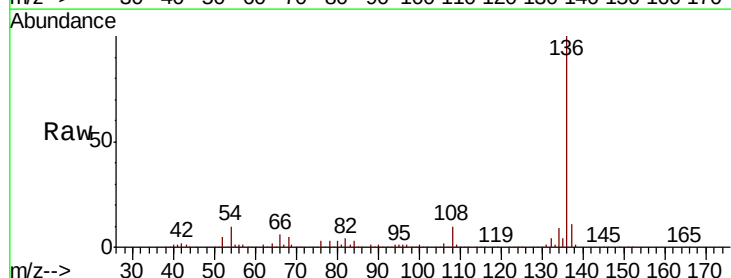
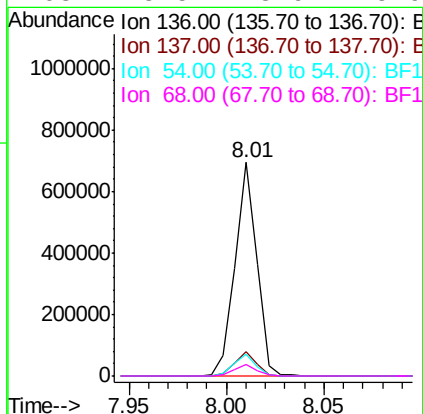
RT: 8.01 min Scan# 1007

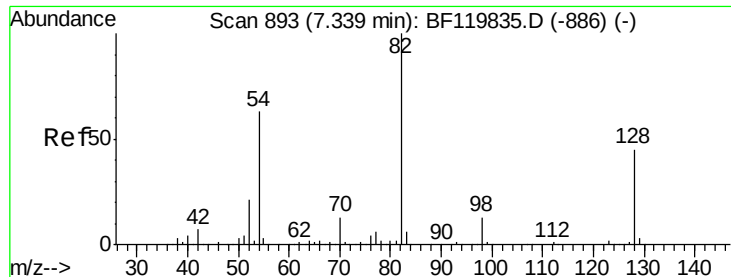
Delta R.T. 0.00 min

Lab File: BF120043.D

Acq: 16 Apr 2020 18:26

Tgt Ion:	136	Resp:	540099
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	10.5	8.5	12.7
68	5.5	3.9	5.9





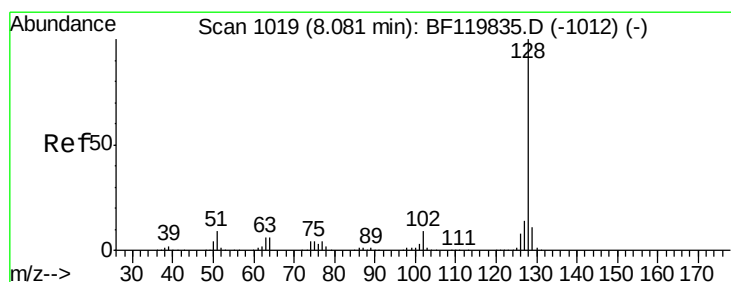
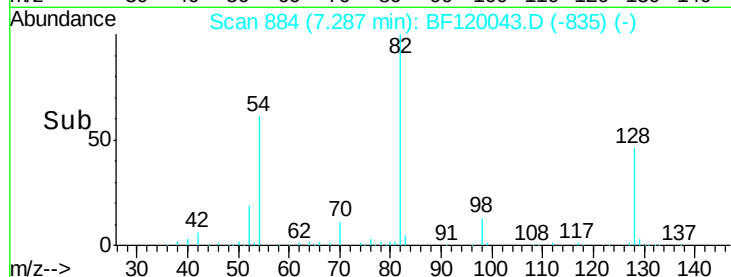
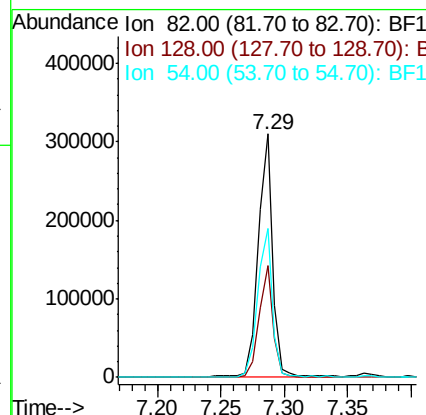
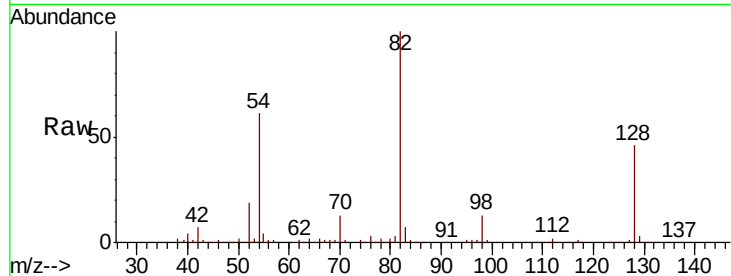
#23
Nitrobenzene-d5
Concen: 23.729 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF120043.D
Acq: 16 Apr 2020 18:26

Instrument :
BNA_F
ClientSampled :
TP-23A

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.2	54.4
54	60.9	50.4	75.6

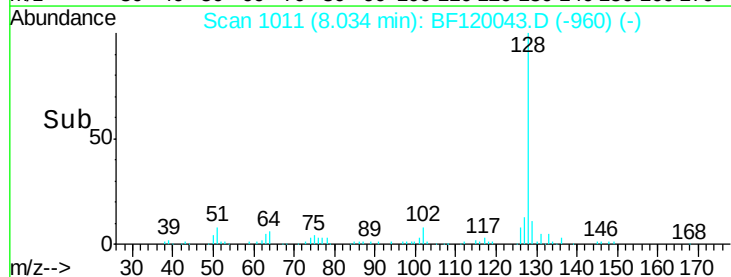
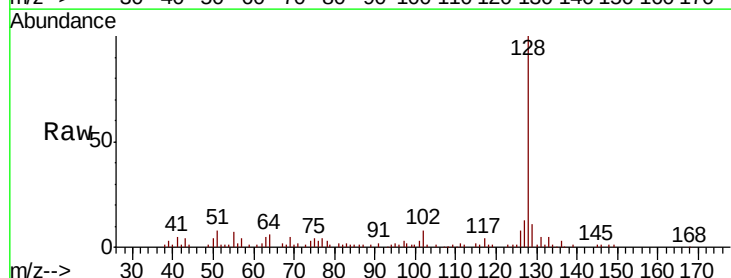
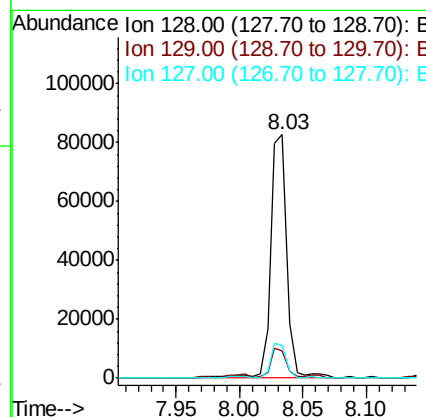
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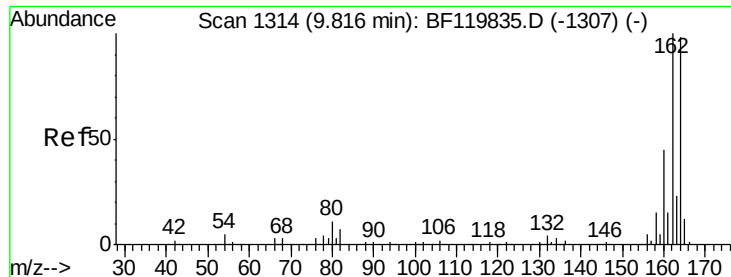
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#31
Naphthalene
Concen: 2.616 ng
RT: 8.03 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BF120043.D
Acq: 16 Apr 2020 18:26

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.4	11.0	16.4





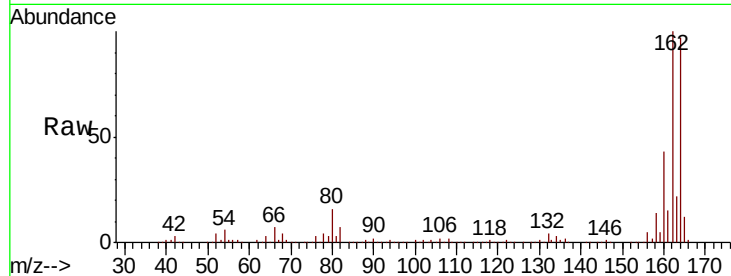
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: BF120043.D
 Acq: 16 Apr 2020 18:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-23A

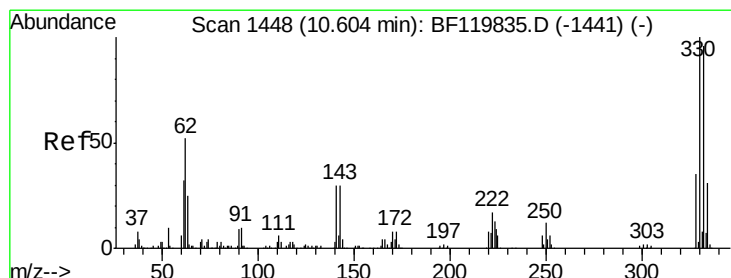
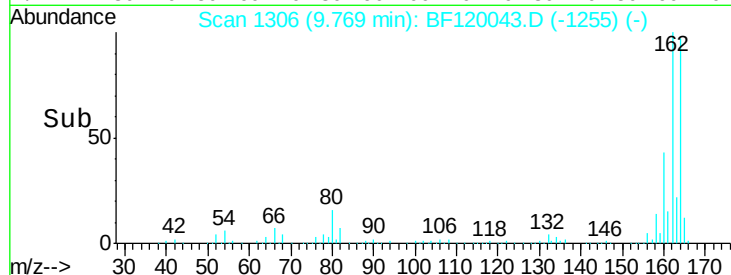
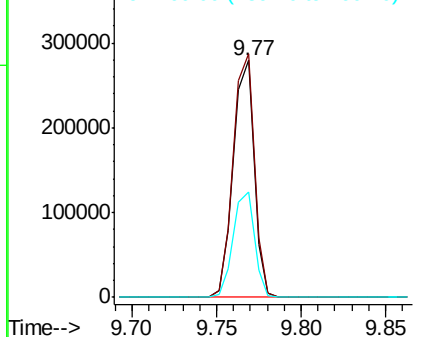
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.7	81.9	122.9	
160	44.5	36.6	54.8	

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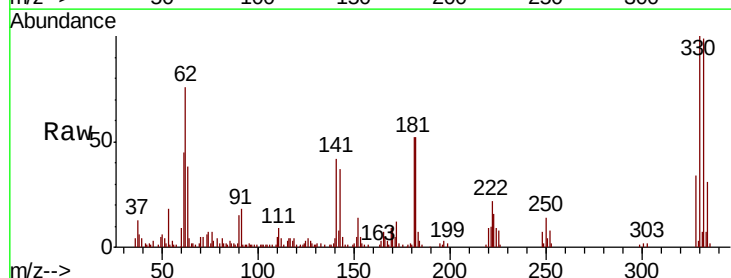


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

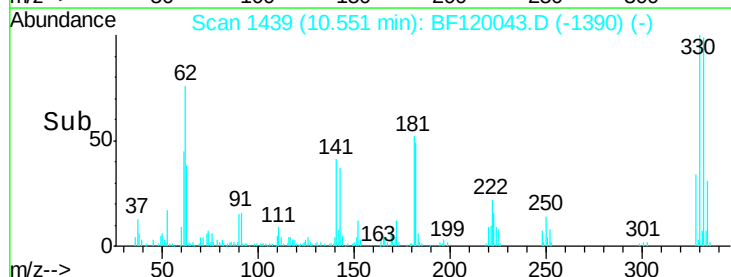
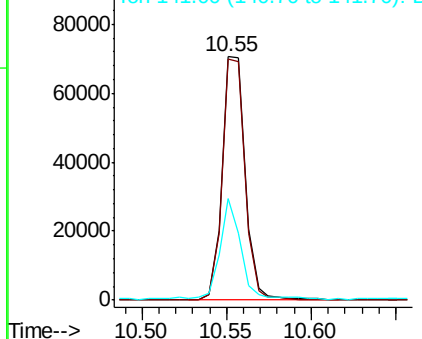


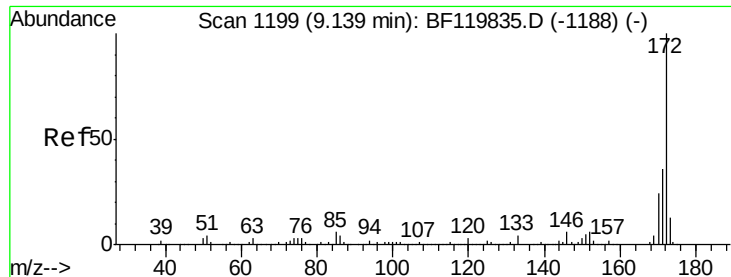
#42
 2,4,6-Tribromophenol
 Concen: 22.769 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF120043.D
 Acq: 16 Apr 2020 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.0	76.8	115.2	
141	41.0	25.1	37.7#	



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





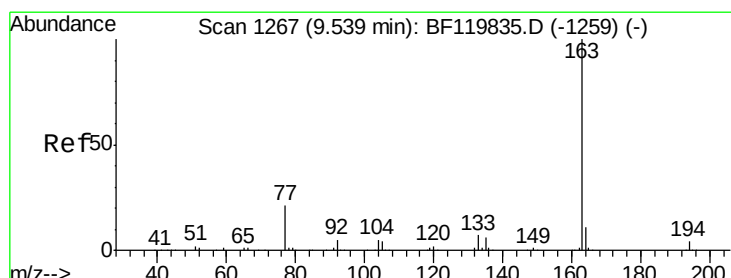
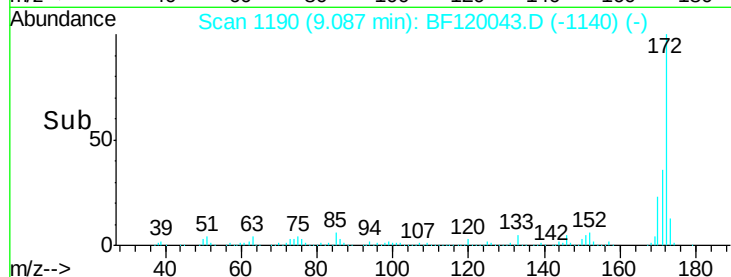
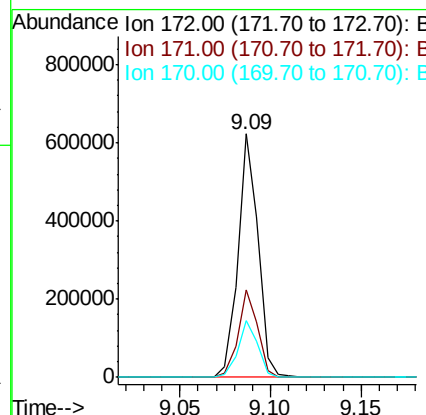
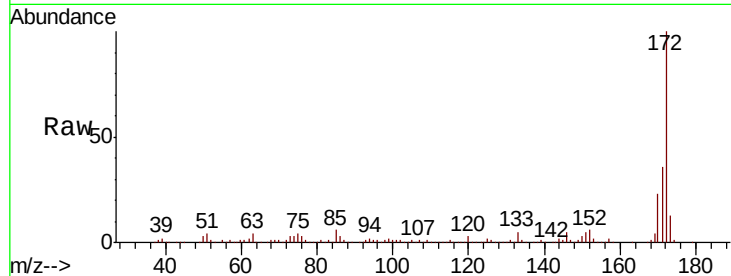
#45
2-Fluorobiphenyl
Concen: 28.322 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF120043.D
Acq: 16 Apr 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-23A

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.9	43.3
170	23.5	19.4	29.2

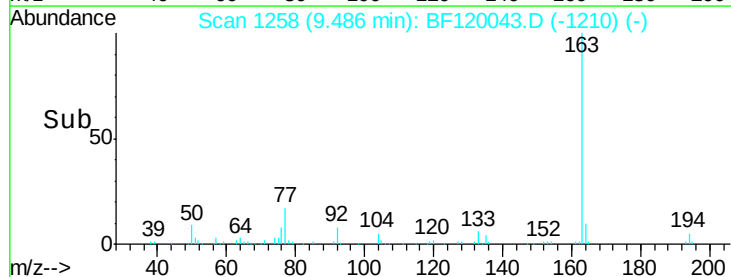
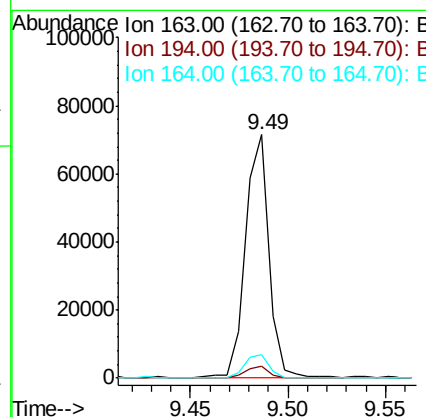
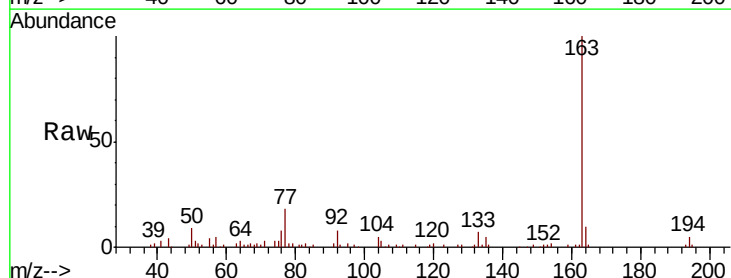
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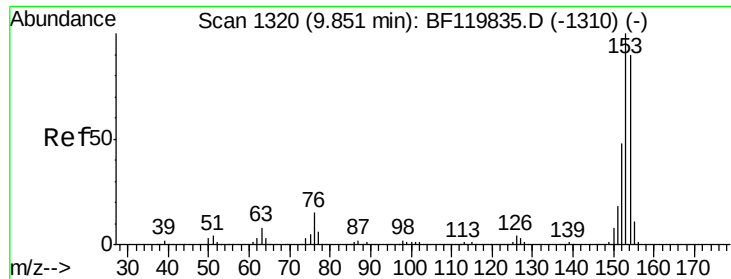
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#50
Dimethylphthalate
Concen: 3.209 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.02 min
Lab File: BF120043.D
Acq: 16 Apr 2020 18:26

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.0	4.4#
164	9.6	8.4	12.6





#52

Acenaphthene

Concen: 6.194 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF120043.D

Acq: 16 Apr 2020 18:26

Instrument :

BNA_F

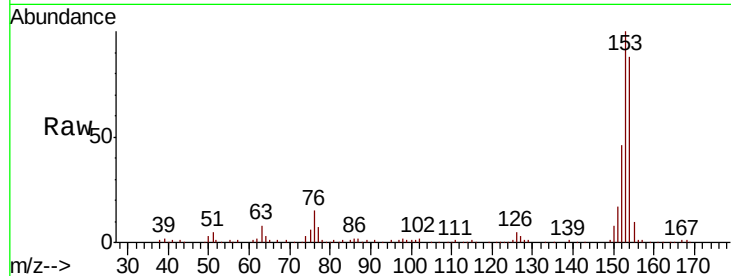
ClientSampleId :

TP-23A

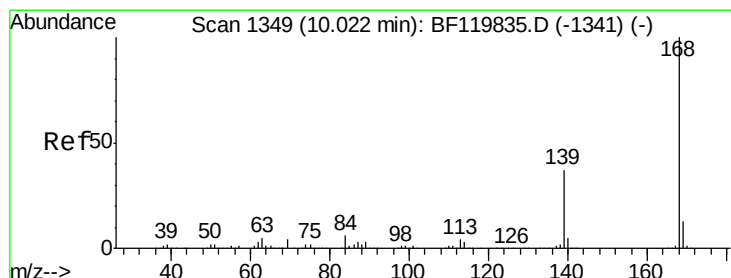
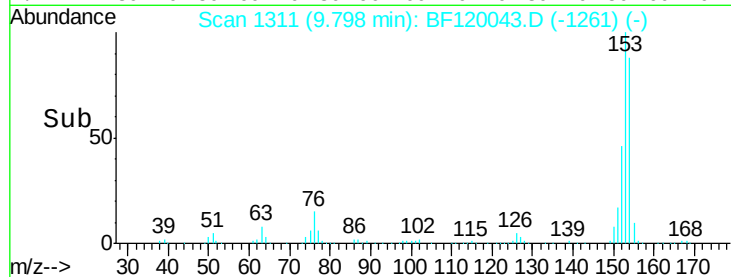
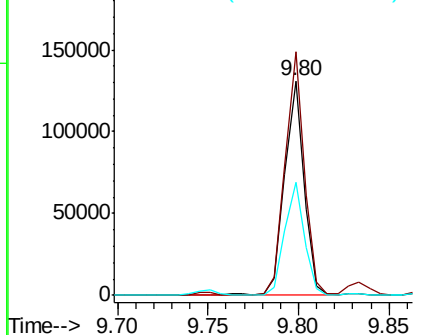
Tot Ion:	154	Resp:	98315
Ion Ratio	Lower	Upper	
154	100		
153	113.6	88.8	133.2
152	52.7	42.4	63.6

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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: 3.595 ng

RT: 9.97 min Scan# 1340

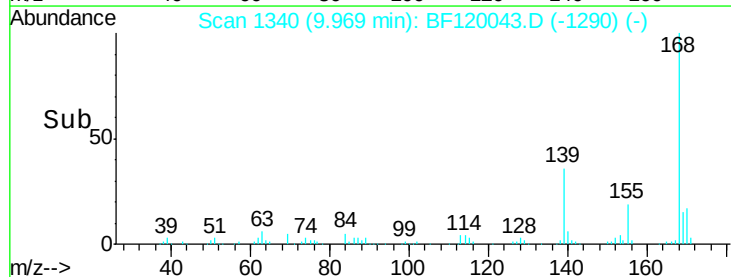
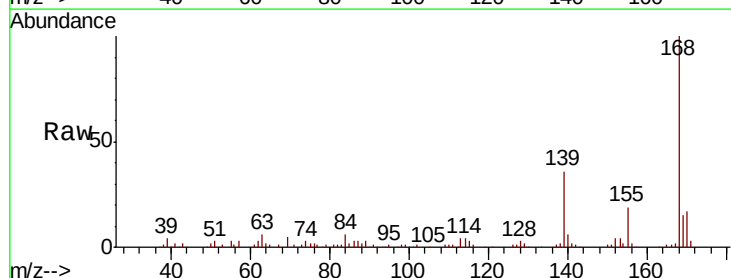
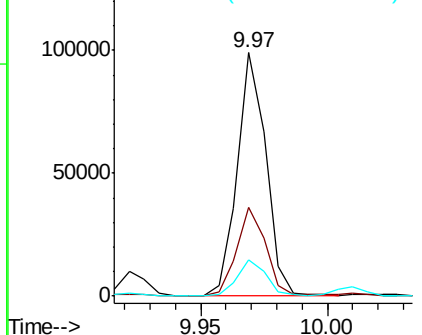
Delta R.T. -0.01 min

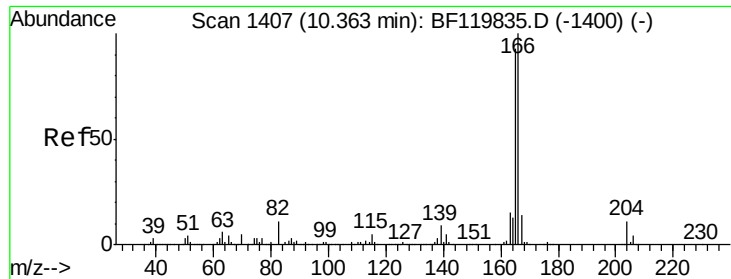
Lab File: BF120043.D

Acq: 16 Apr 2020 18:26

Tgt Ion:	168	Resp:	78308
Ion Ratio	Lower	Upper	
168	100		
139	36.3	29.8	44.6
169	15.1	10.6	15.8

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





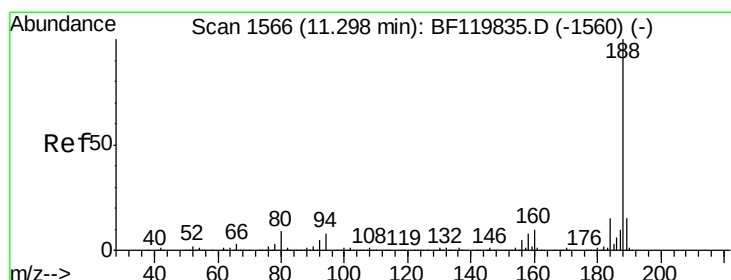
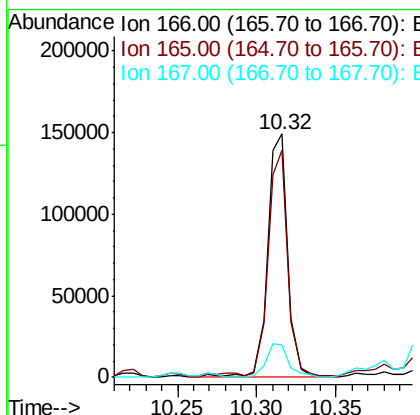
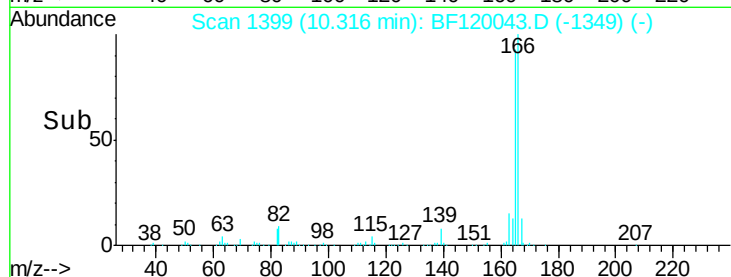
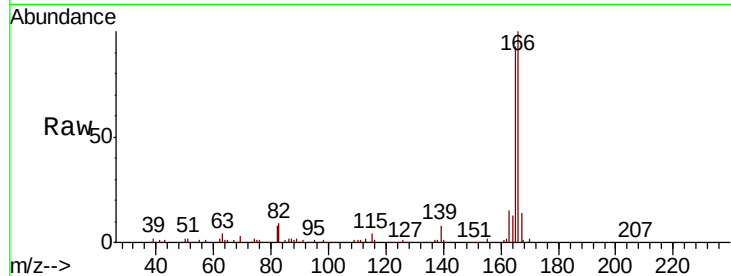
#58
Fluorene
Concen: 7.701 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.01 min
Lab File: BF120043.D
Acq: 16 Apr 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-23A

Tot Ion	Ratio	Lower	Upper
166	100		
165	93.0	74.2	111.2
167	13.6	10.8	16.2

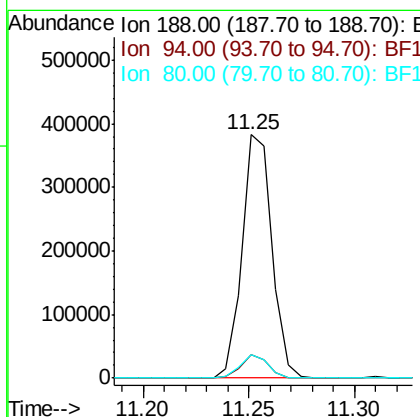
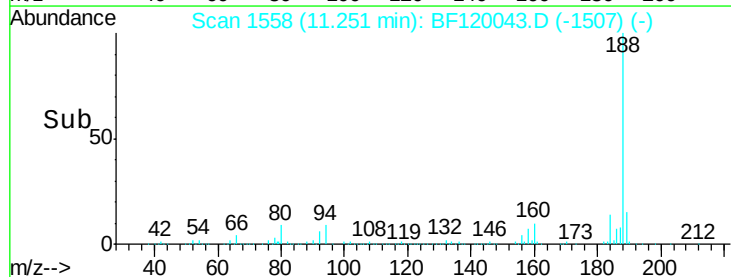
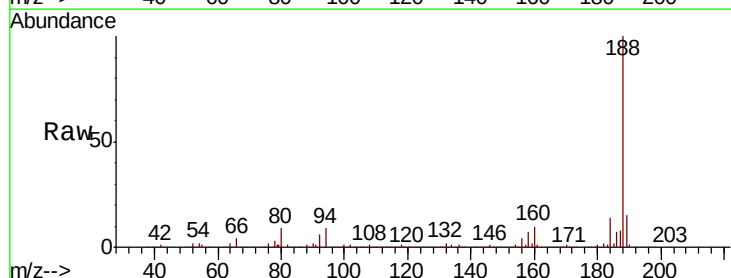
Manual Integrations
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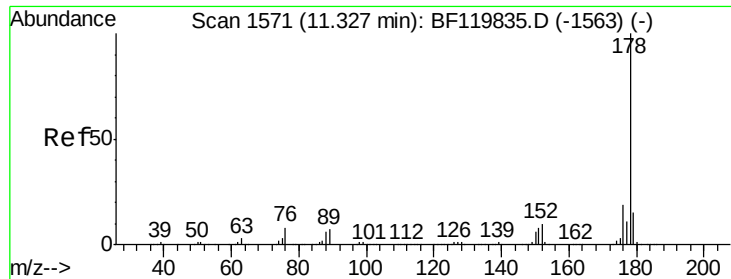
mohammad
4/17/2020 1:48:47 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF120043.D
Acq: 16 Apr 2020 18:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	6.7	10.1
80	9.4	7.4	11.2





#71

Phenanthrene

Concen: 76.336 ng

RT: 11.28 min Scan# 1563

Delta R.T. 0.00 min

Lab File: BF120043.D

Acq: 16 Apr 2020 18:26

Instrument :

BNA_F

ClientSampleId :

TP-23A

Tot Ion:178 Resp: 1518702

Ion Ratio Lower Upper

178 100

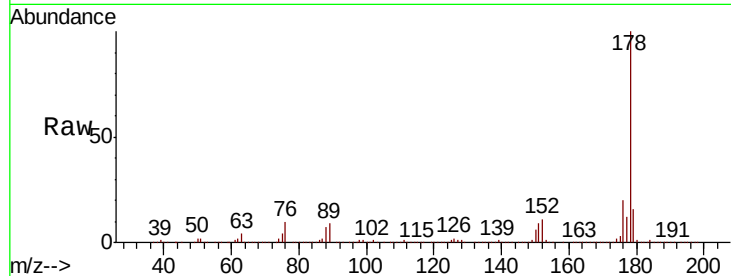
176 19.9 15.1 22.7

179 15.9 12.2 18.4

Manual Integrations
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mohammad

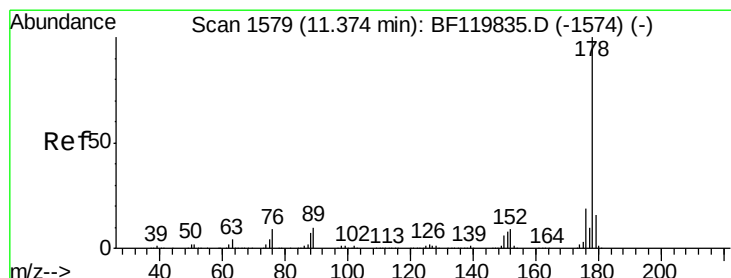
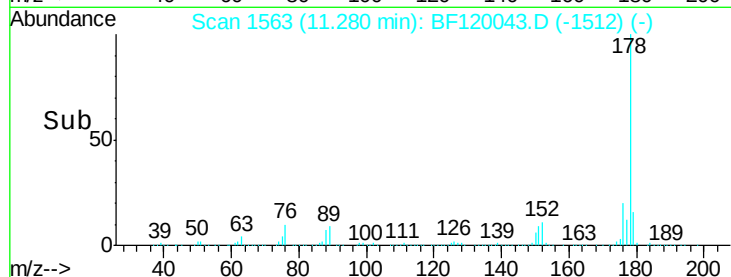
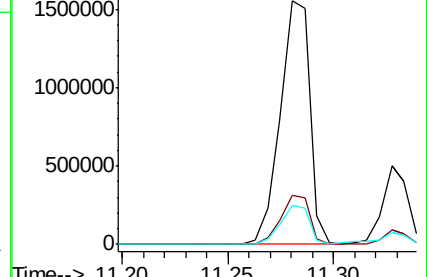
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 20.215 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF120043.D

Acq: 16 Apr 2020 18:26

Tgt Ion:178 Resp: 410834

Ion Ratio Lower Upper

178 100

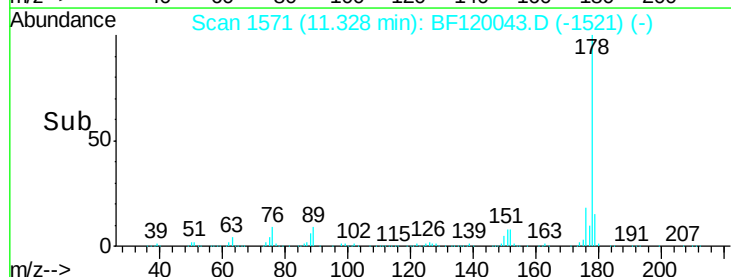
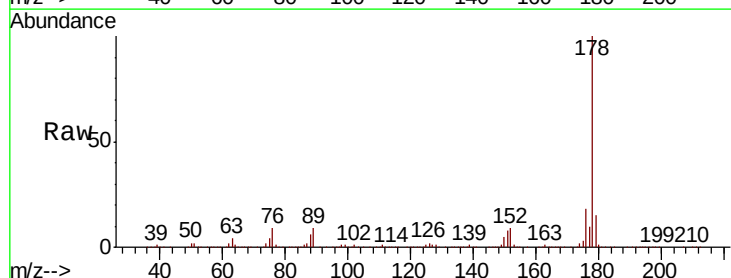
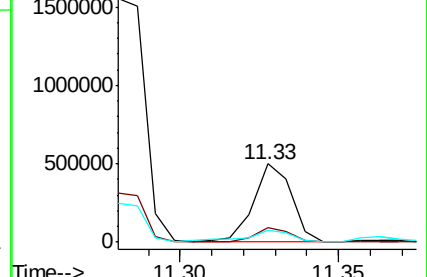
176 18.0 15.4 23.2

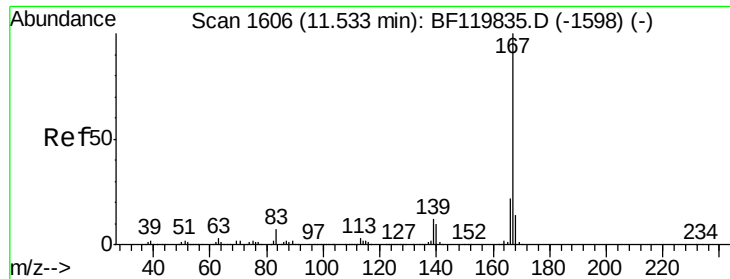
179 15.0 12.8 19.2

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





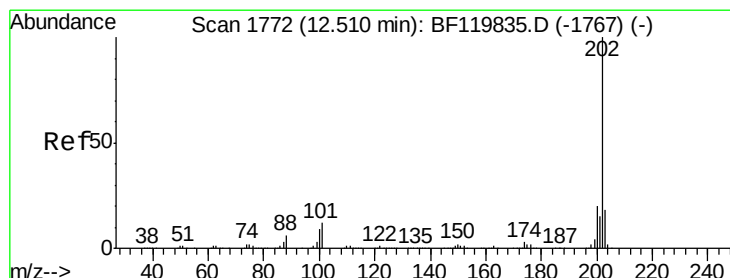
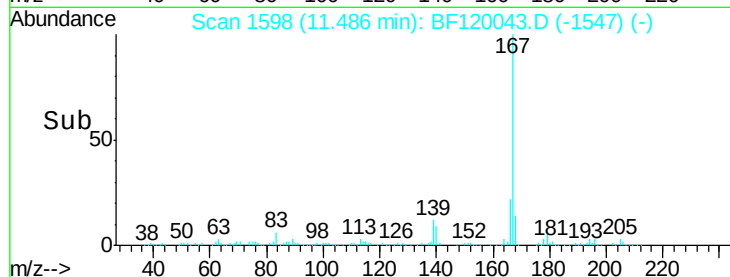
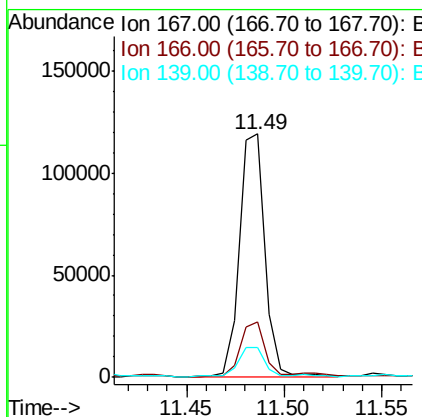
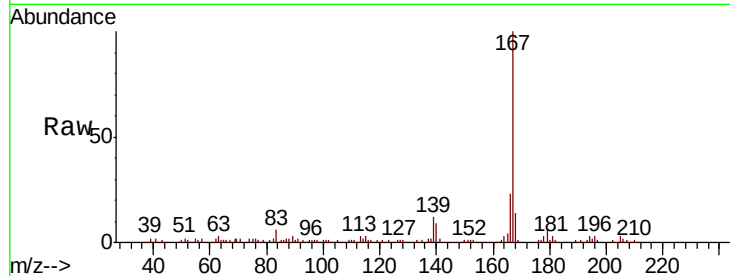
#73
 Carbazole
 Concen: 5.519 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: BF120043.D
 Acq: 16 Apr 2020 18:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-23A

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.4	26.0
139	12.0	9.8	14.8

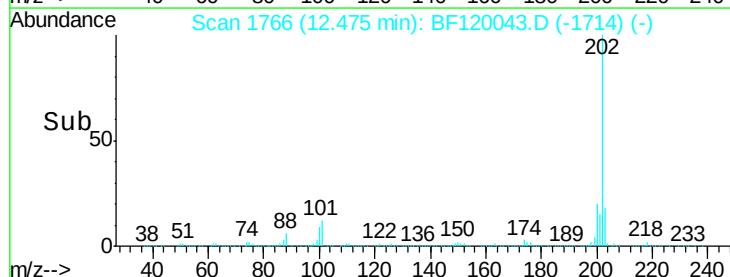
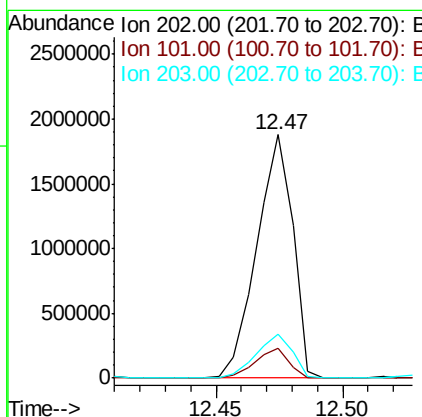
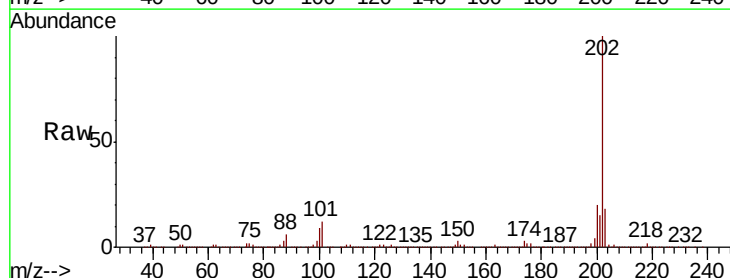
Manual Integrations
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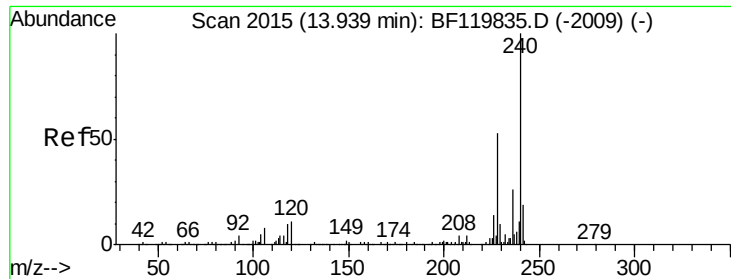
mohammad
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#75
 Fluoranthene
 Concen: 86.810 ng
 RT: 12.47 min Scan# 1766
 Delta R.T. 0.01 min
 Lab File: BF120043.D
 Acq: 16 Apr 2020 18:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	32.3
203	18.2	0.0	37.6





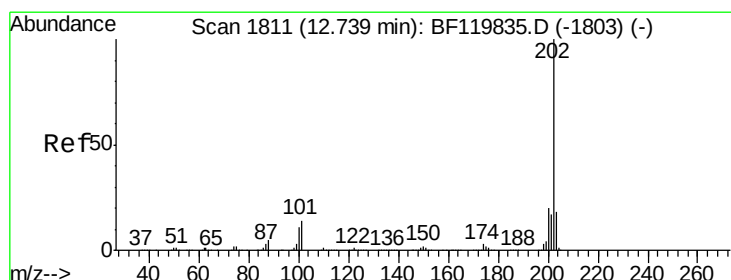
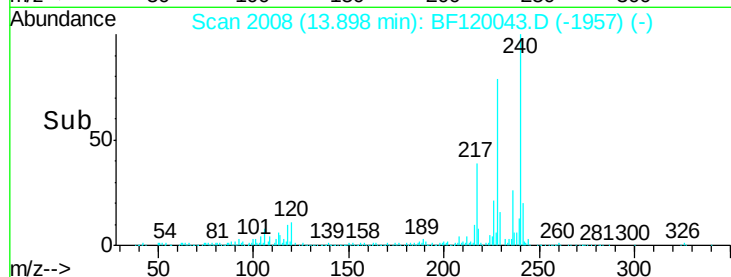
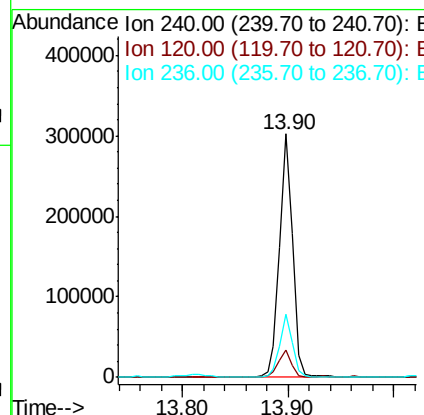
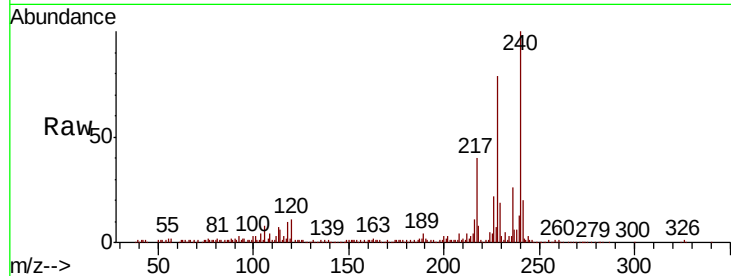
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF120043.D
Acq: 16 Apr 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-23A

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.0	13.6
236	26.1	20.7	31.1

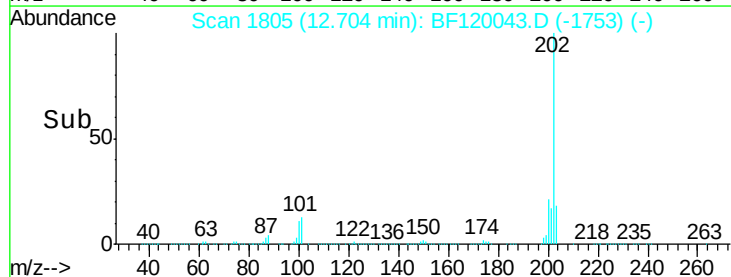
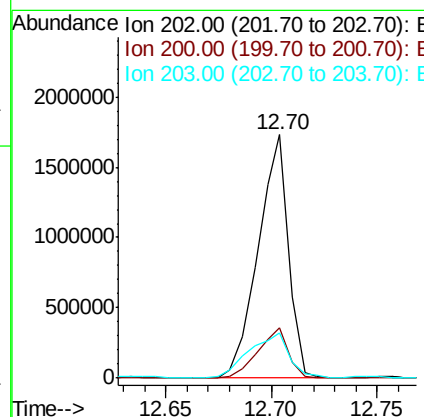
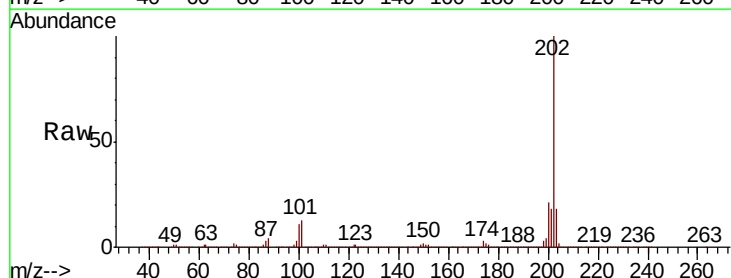
Manual Integrations
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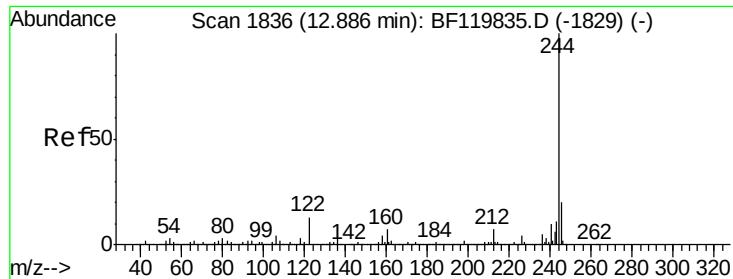
mohammad
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#78
Pyrene
Concen: 80.018 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.01 min
Lab File: BF120043.D
Acq: 16 Apr 2020 18:26

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.2	24.2
203	18.4	14.1	21.1





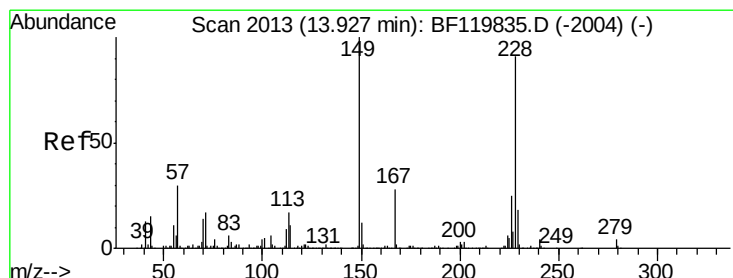
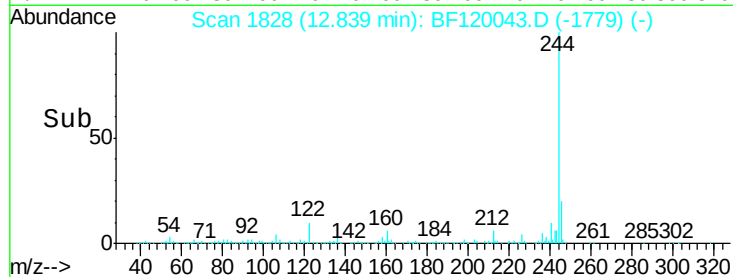
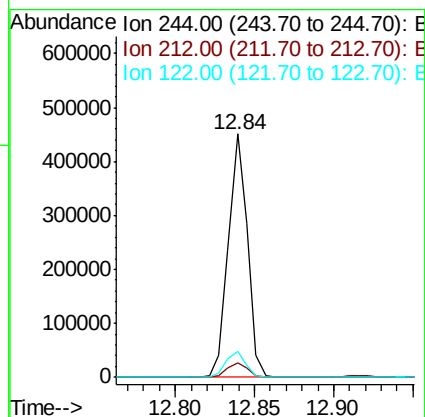
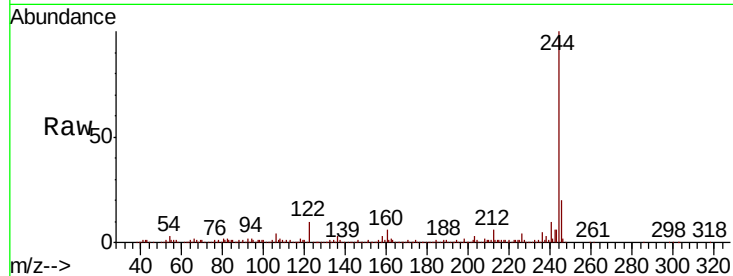
#79
 Terphenyl-d14
 Concen: 24.754 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF120043.D
 Acq: 16 Apr 2020 18:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-23A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.4	8.0
122	10.5	10.3	15.5

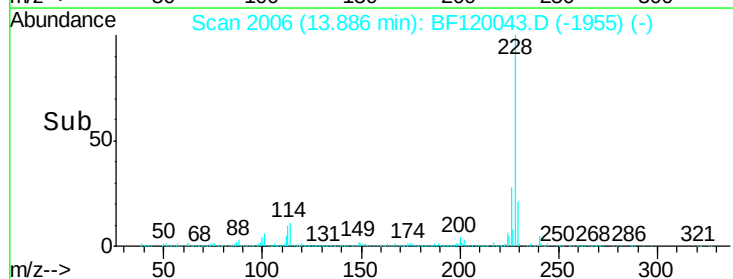
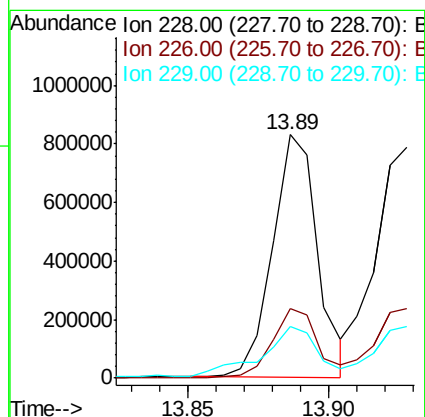
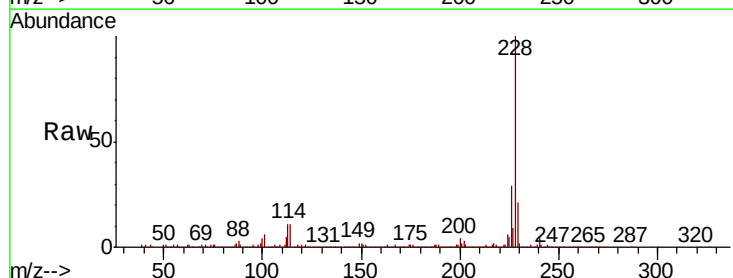
Manual Integrations
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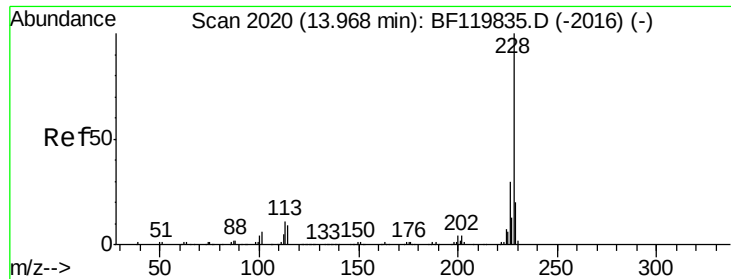
mohammad
 4/17/2020 1:48:47 PM



#81
 Benzo(a)anthracene
 Concen: 54.559 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. 0.00 min
 Lab File: BF120043.D
 Acq: 16 Apr 2020 18:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.9	32.9
229	21.3	15.9	23.9





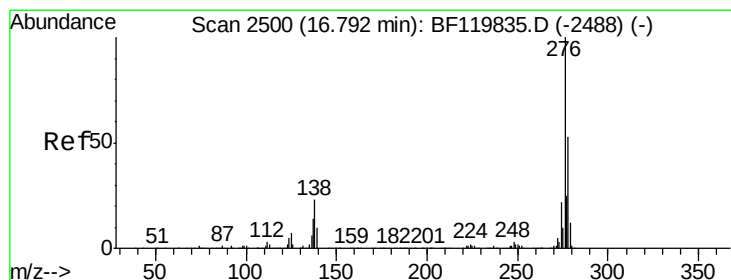
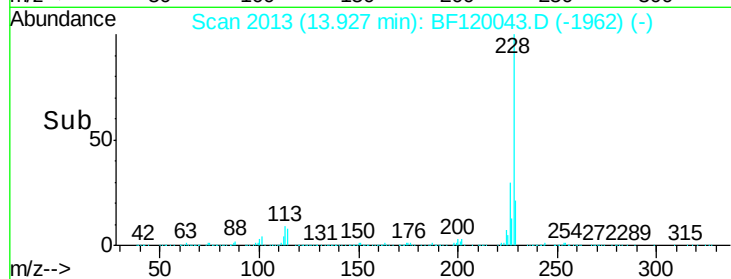
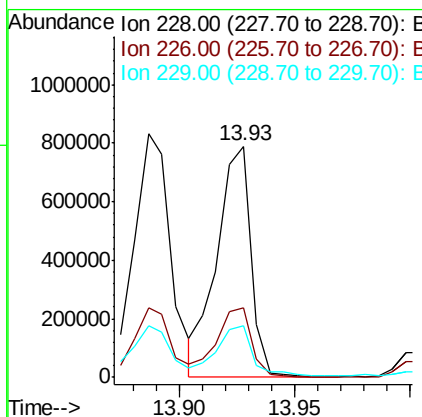
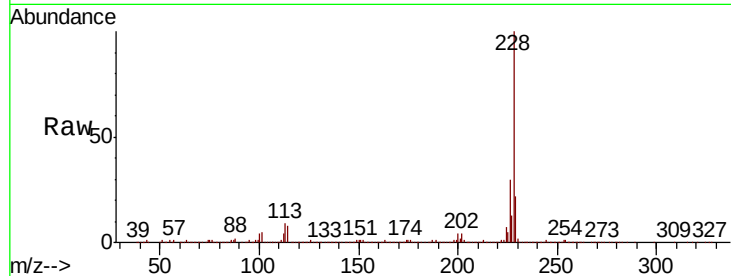
#83
Chrysene
Concen: 46.962 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF120043.D
Acq: 16 Apr 2020 18:26

Instrument :
BNA_F
ClientSampled :
TP-23A

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.2	36.2
229	22.2	15.9	23.9

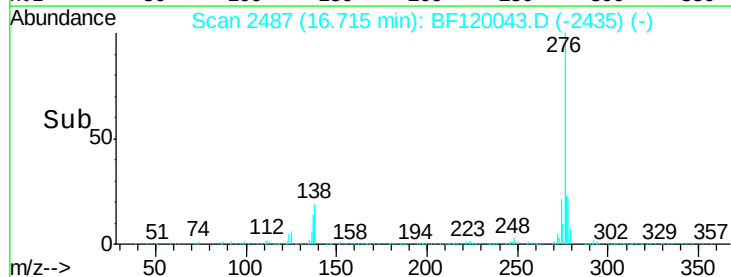
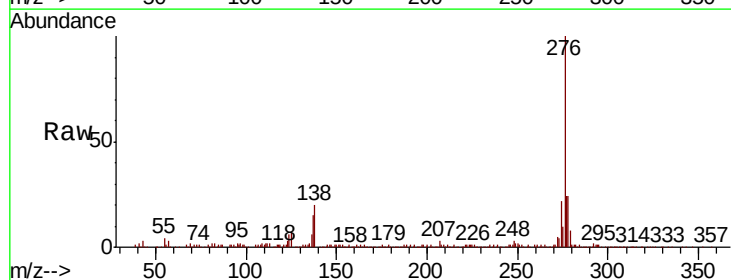
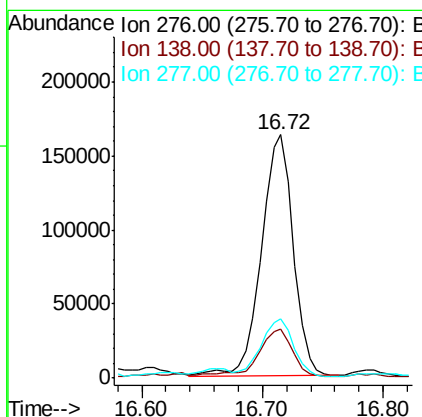
Manual Integrations
APPROVED

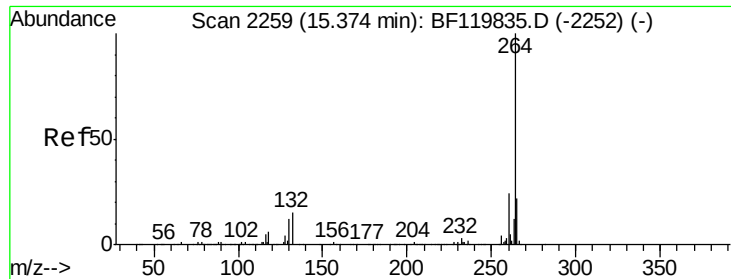
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 19.843 ng
RT: 16.72 min Scan# 2487
Delta R.T. 0.01 min
Lab File: BF120043.D
Acq: 16 Apr 2020 18:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.5	18.0	27.0
277	24.5	20.1	30.1





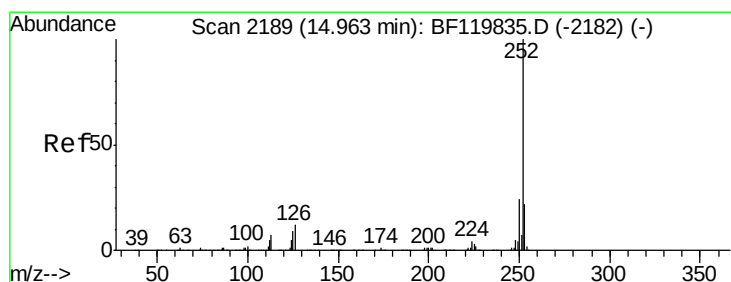
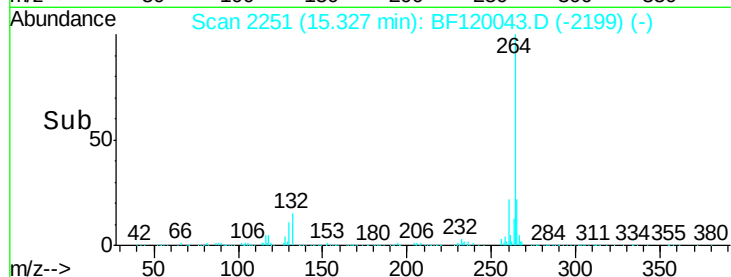
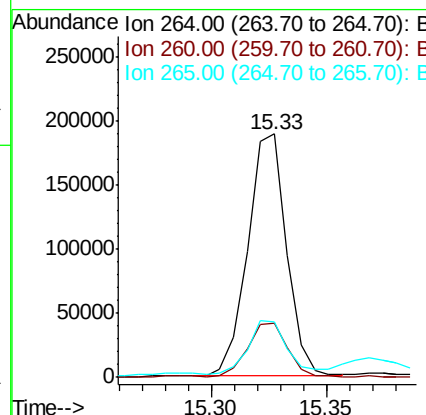
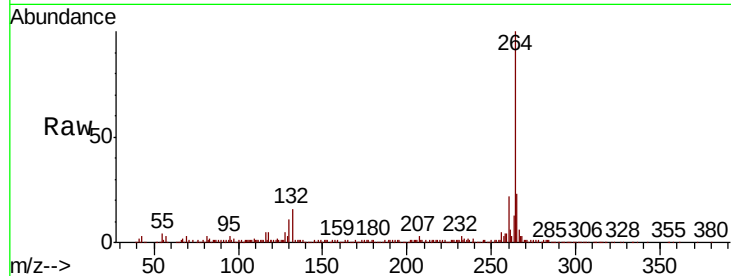
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF120043.D
Acq: 16 Apr 2020 18:26

Instrument :
BNA_F
ClientSampled :
TP-23A

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.3	28.9
265	23.0	17.6	26.4

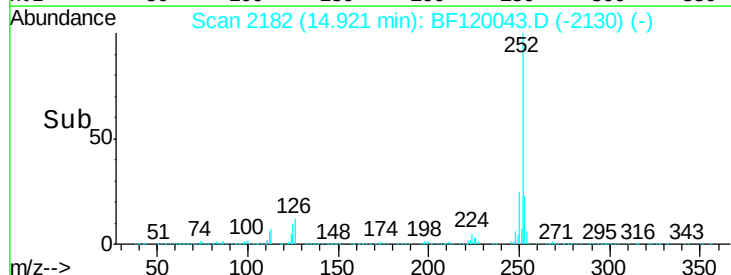
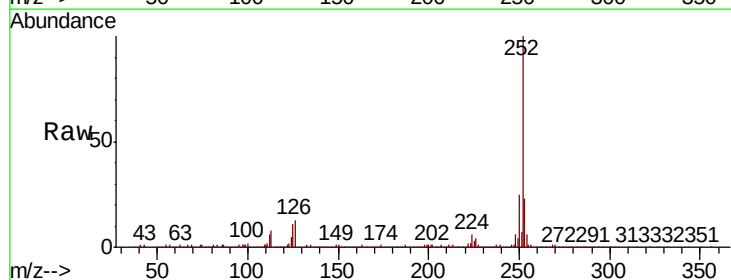
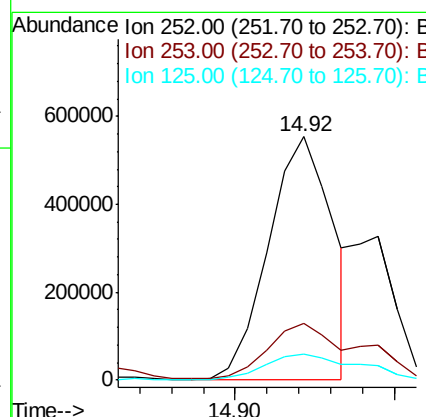
Manual Integrations
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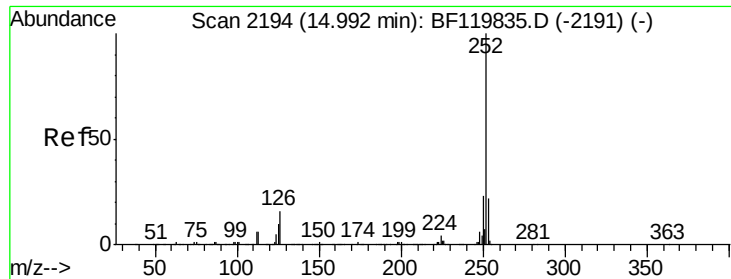
mohammad
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#88
Benzo(b)fluoranthene
Concen: 48.165 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF120043.D
Acq: 16 Apr 2020 18:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	10.7	7.4	11.2





#89

Benzo(k)fluoranthene

Concen: 20.951 ng/mL

RT: 14.94 min Scan# 2186

Delta R.T. 0.00 min

Lab File: BF120043.D

Acq: 16 Apr 2020 18:26

Instrument :

BNA_F

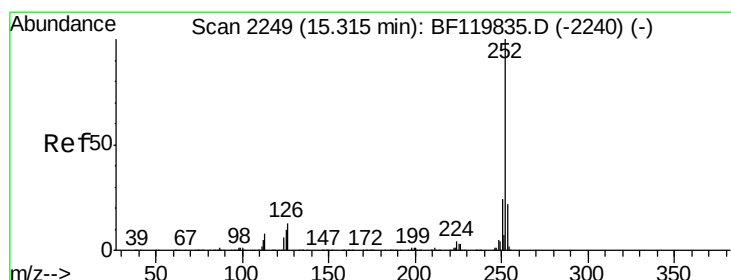
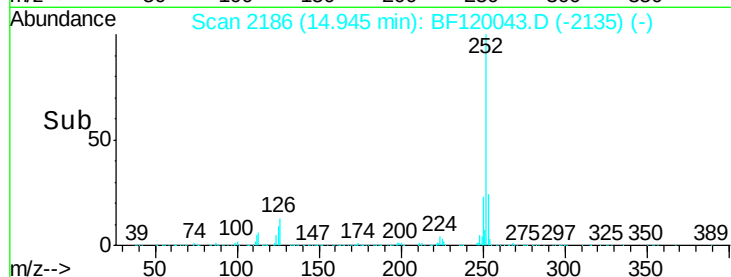
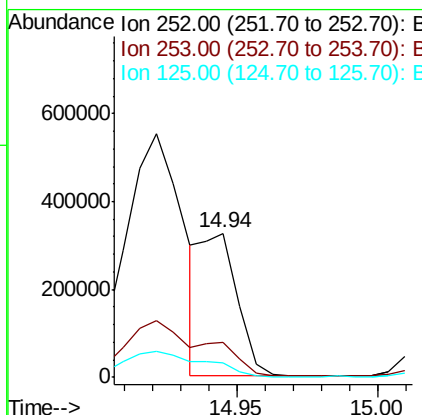
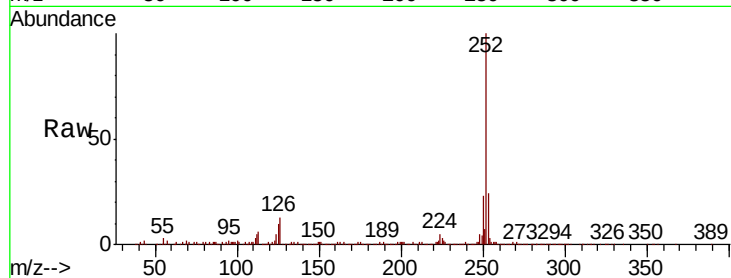
ClientSampleId :

TP-23A

Tot Ion:	252	Resp:	290502
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.8	26.8
125	9.6	7.7	11.5

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 42.695 ng/mL

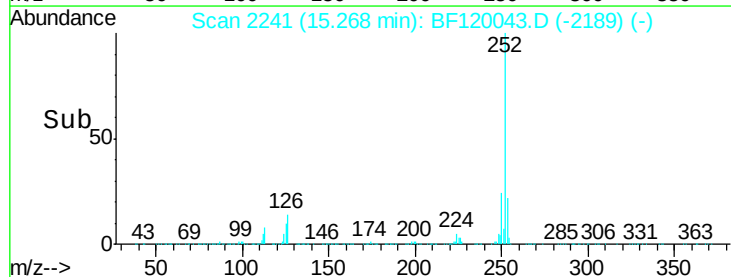
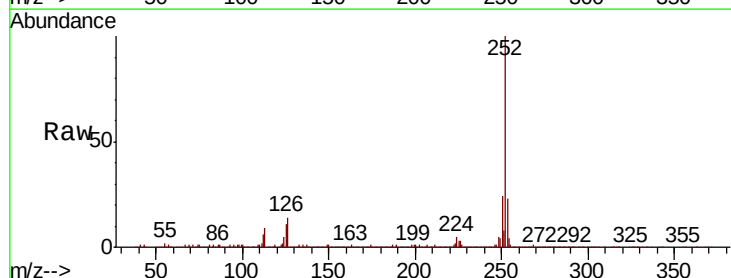
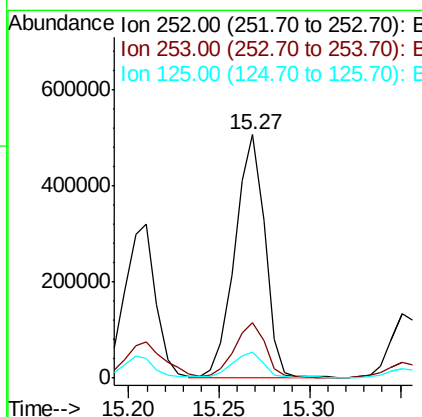
RT: 15.27 min Scan# 2241

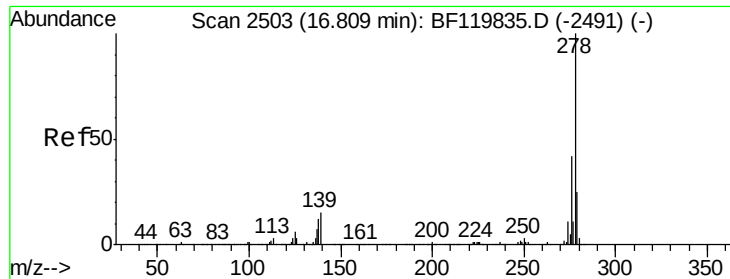
Delta R.T. 0.01 min

Lab File: BF120043.D

Acq: 16 Apr 2020 18:26

Tgt Ion:	252	Resp:	576888
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.4	26.2
125	10.6	8.3	12.5





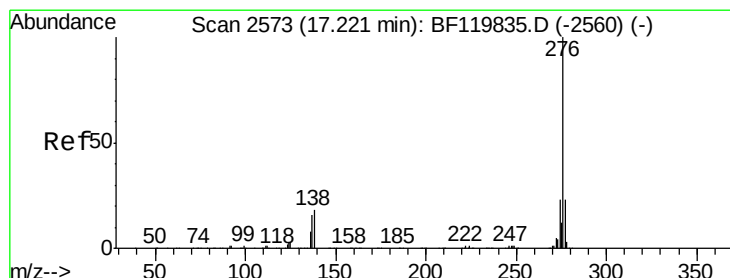
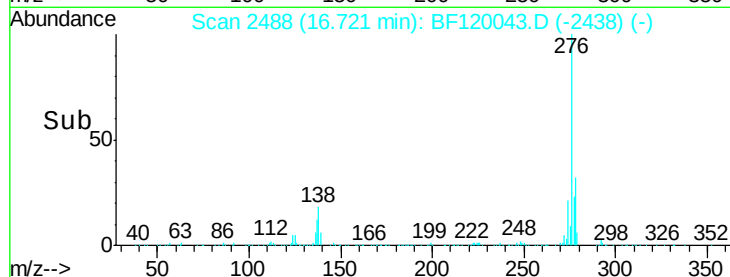
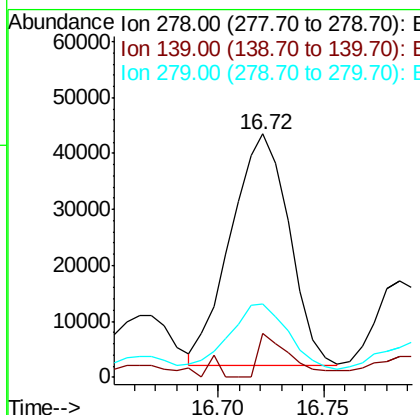
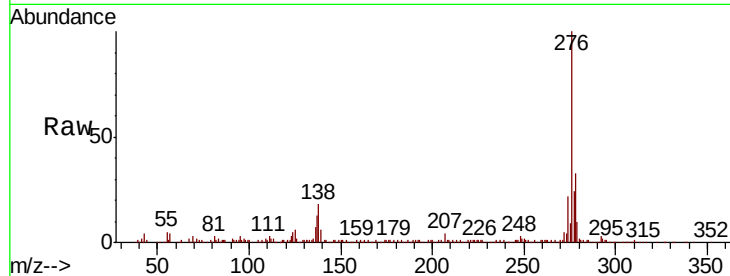
#91
Dibenzo(a,h)anthracene
Concen: 6.621 ng m
RT: 16.72 min Scan# 2488
Delta R.T. -0.01 min
Lab File: BF120043.D
Acq: 16 Apr 2020 18:26

Instrument :
BNA_F
ClientSampled :
TP-23A

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.3	11.6	17.4#
279	30.0	19.7	29.5#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 22.478 ng
RT: 17.13 min Scan# 2558
Delta R.T. 0.00 min
Lab File: BF120043.D
Acq: 16 Apr 2020 18:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.5	27.7
138	21.4	14.6	22.0

