

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050120\
 Data File : BF120274.D
 Acq On : 1 May 2020 22:36
 Operator : MA/SJ
 Sample : L2441-01DL 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RECOVERED-CRUSH-AGGREGAT

Manual Integrations
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Quant Time: May 02 03:18:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 01 15:26:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	71282	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	260884	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	122356	20.00	ng	-0.01
64) Phenanthrene-d10	11.17	188	208858	20.00	ng	0.00
76) Chrysene-d12	13.82	240	179205	20.00	ng	0.00
87) Perylene-d12	15.22	264	181613	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	32012	7.76	ng	0.00
7) Phenol-d6	6.31	99	44411	8.36	ng	0.00
23) Nitrobenzene-d5	7.21	82	22927	4.55	ng	-0.02
42) 2,4,6-Tribromophenol	10.48	330	6939	4.63	ng	-0.01
45) 2-Fluorobiphenyl	9.01	172	59935	6.95	ng	-0.01
79) Terphenyl-d14	12.76	244	58661	5.51	ng	-0.01
Target Compounds						
58) Fluorene	10.24	166	33610	3.795	ng	Qvalue 97
71) Phenanthrene	11.20	178	705153	63.438	ng	97
72) Anthracene	11.25	178	205446	18.093	ng	96
75) Fluoranthene	12.39	202	771188	64.300	ng	98
78) Pyrene	12.62	202	925709	61.276	ng	98
81) Benzo(a)anthracene	13.81	228	405443	34.391	ng	100
83) Chrysene	13.84	228	356035m	29.722	ng	
84) Bis(2-ethylhexyl)phthalate	13.80	149	111681	11.250	ng	# 98
86) Indeno(1,2,3-cd)pyrene	16.57	276	144244	13.660	ng	95
88) Benzo(b)fluoranthene	14.83	252	357811m	27.387	ng	
89) Benzo(k)fluoranthene	14.85	252	89552m	7.944	ng	
90) Benzo(a)pyrene	15.17	252	319269	29.064	ng	98
91) Dibenzo(a,h)anthracene	16.57	278	37498m	3.854	ng	
92) Benzo(g,h,i)perylene	16.97	276	145964	15.197	ng	97

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

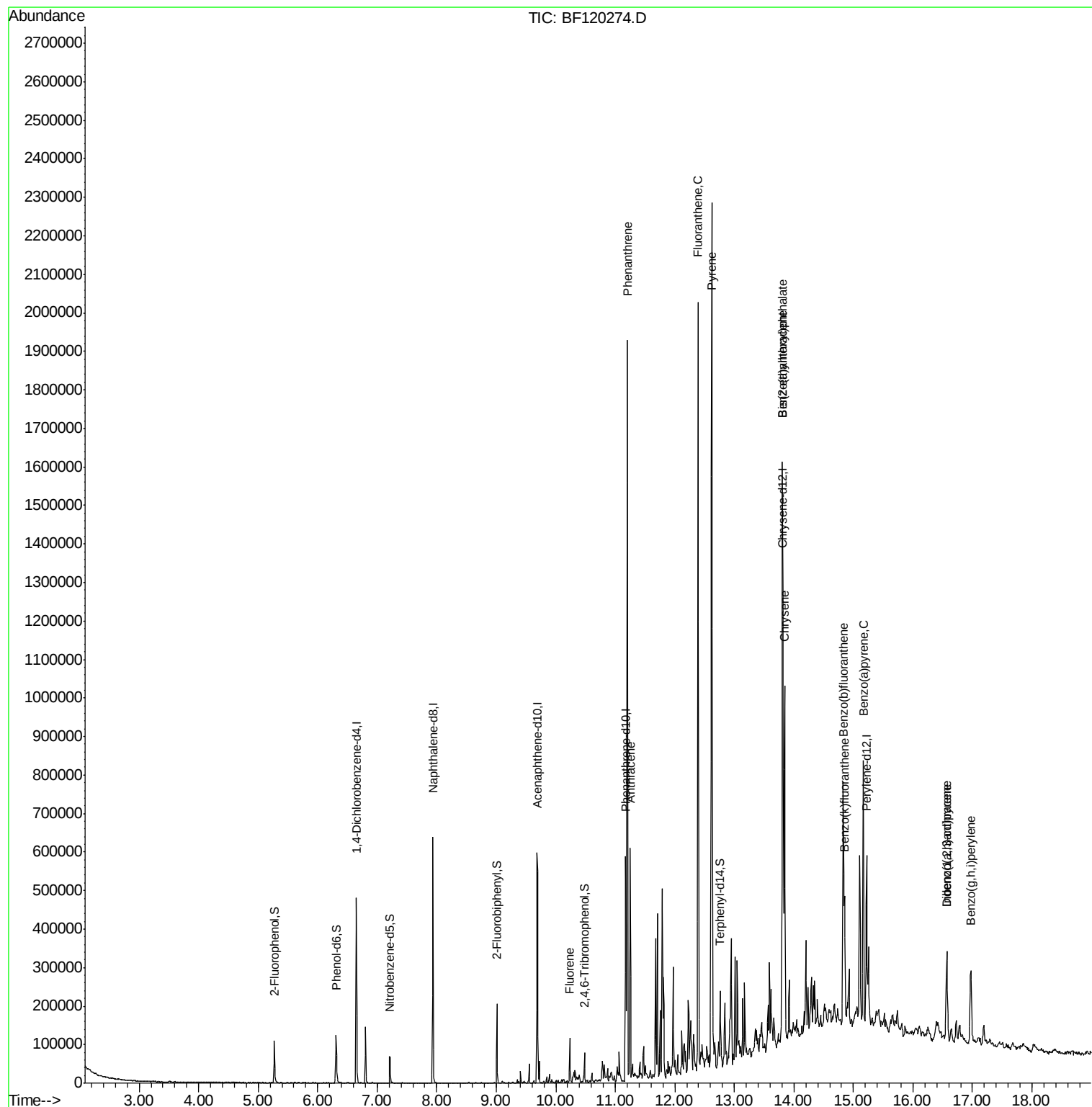
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050120\
Data File : BF120274.D
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ALS Vial : 19 Sample Multiplier: 1

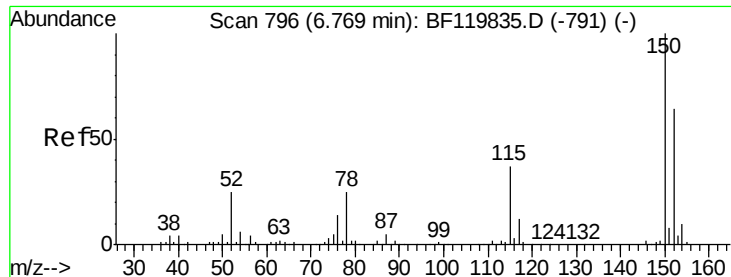
Instrument :
BNA_F
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RECOVERED-CRUSH-AGGREGAT

Quant Time: May 02 03:18:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
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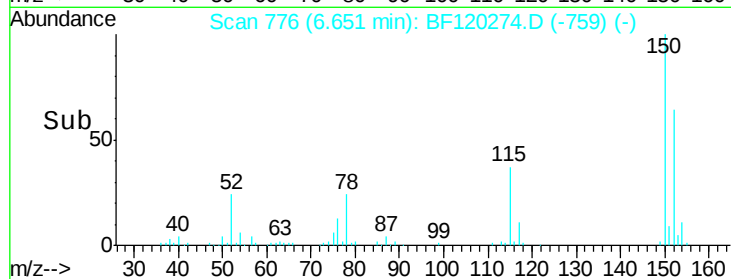
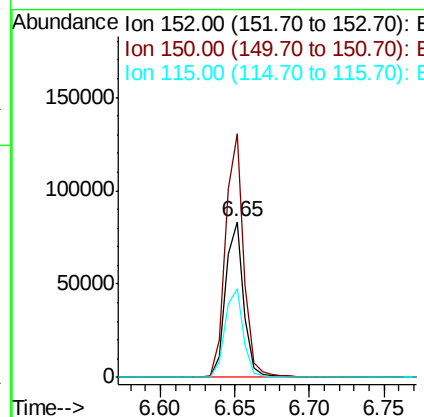
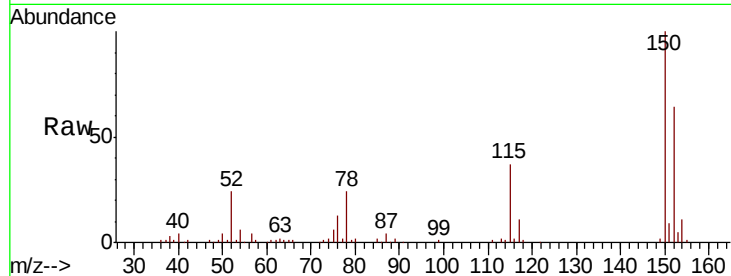
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.65 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: BF120274.D
 Acq: 1 May 2020 22:36

Instrument :
 BNA_F
 ClientSampleId :
 RECOVERED-CRUSH-AGGREGAT

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.5	186.7
115	57.2	49.6	74.4

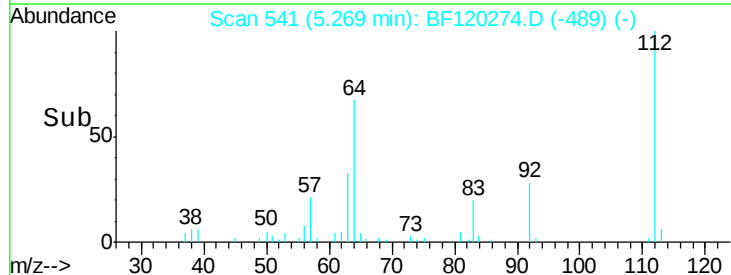
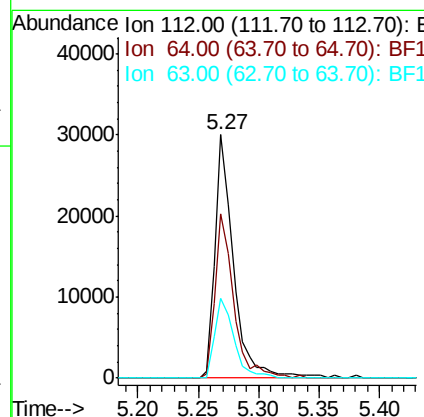
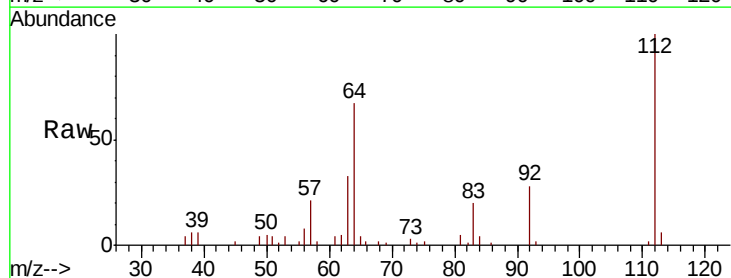
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#5
 2-Fluorophenol
 Concen: 7.761 ng
 RT: 5.27 min Scan# 541
 Delta R.T. 0.01 min
 Lab File: BF120274.D
 Acq: 1 May 2020 22:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	56.7	85.1
63	32.9	29.5	44.3





#7

Phenol-d6

Concen: 8.356 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF120274.D

Acq: 1 May 2020 22:36

Instrument :

BNA_F

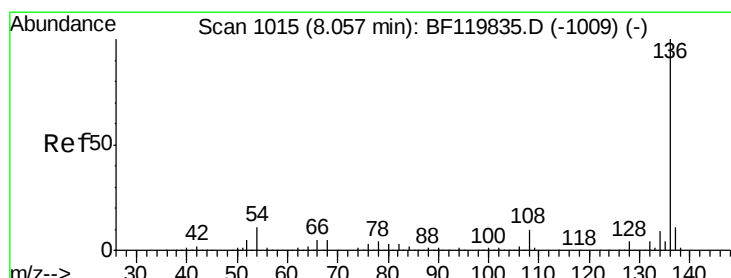
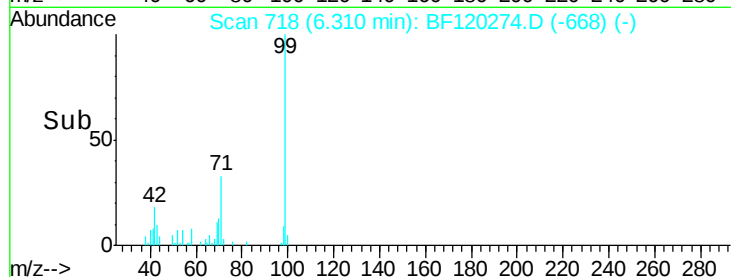
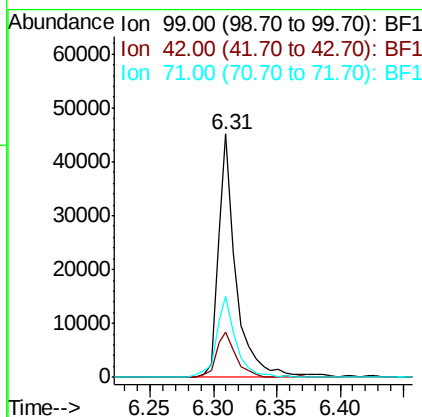
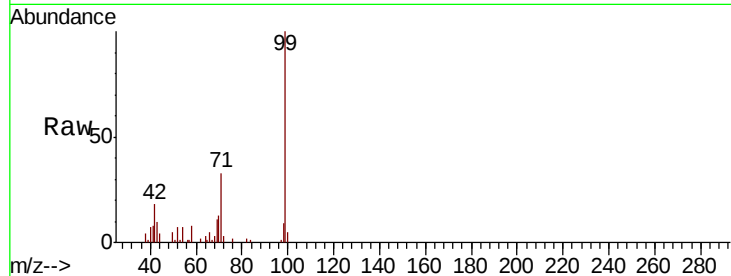
ClientSampleId :

RECOVERED-CRUSH-AGGREGAT

Tot Ion:	99	Resp:	44411
Ion	Ratio	Lower	Upper
99	100		
42	18.4	16.6	24.8
71	33.3	26.4	39.6

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#21

Naphthalene-d8

Concen: 20.000 ng

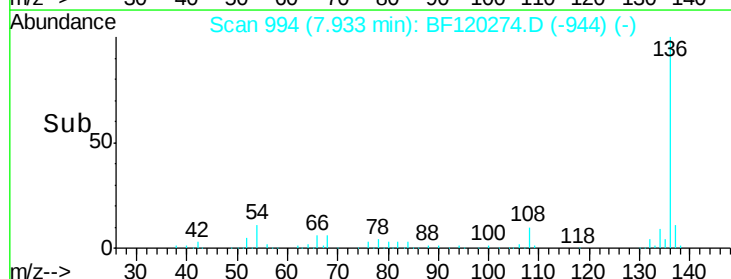
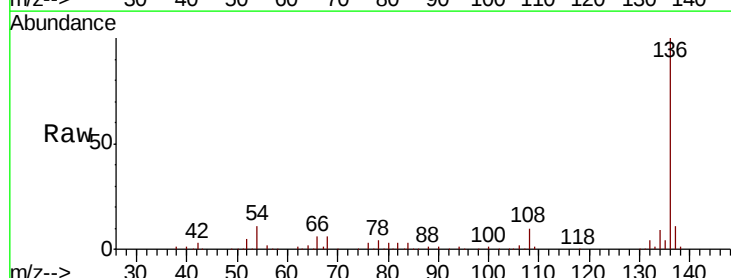
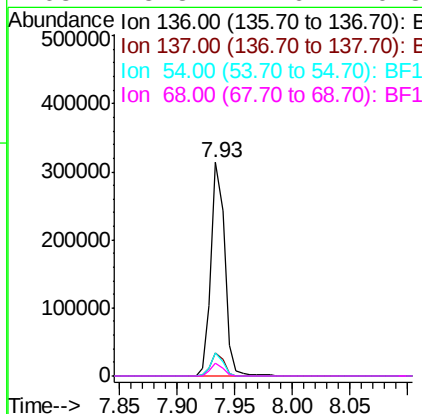
RT: 7.93 min Scan# 994

Delta R.T. -0.01 min

Lab File: BF120274.D

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Tgt Ion:	136	Resp:	260884
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	10.5	9.1	13.7
68	5.8	4.6	6.8





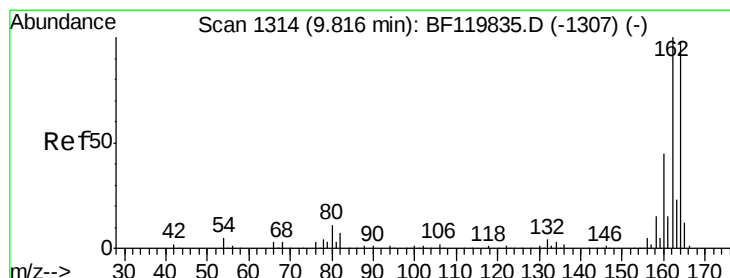
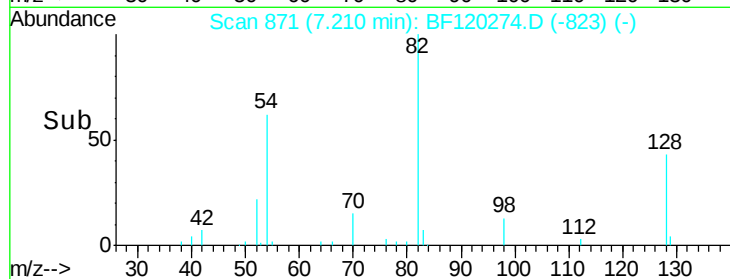
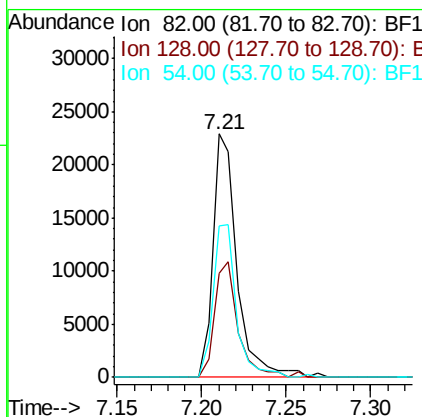
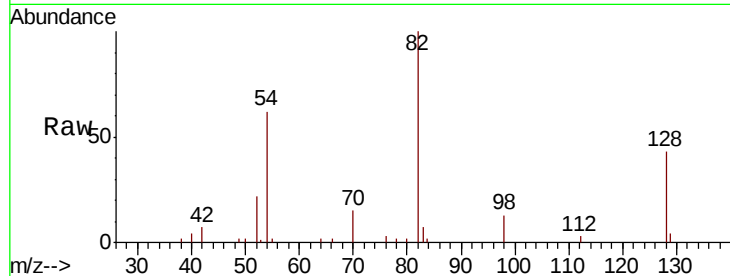
#23
Nitrobenzene-d5
Concen: 4.546 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.02 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

Instrument :
BNA_F
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

Tot Ion	82	Resp	22927
Ion Ratio	100	Lower	Upper
82	100		
128	42.6	36.3	54.5
54	62.1	50.6	75.8

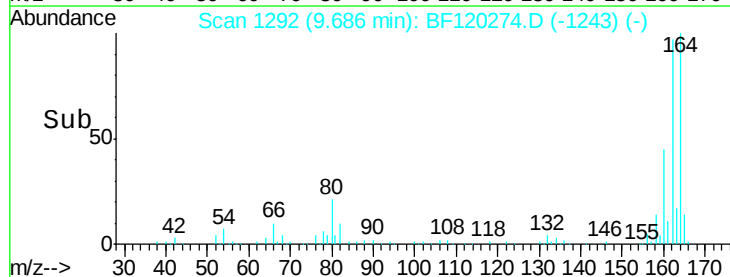
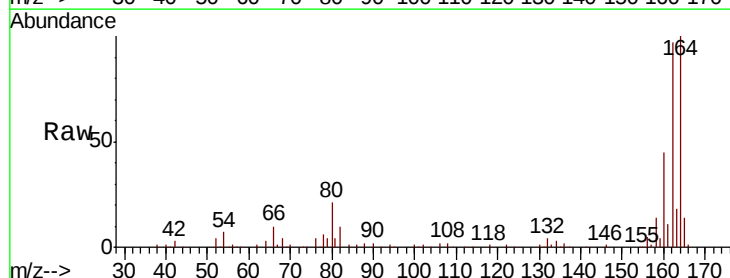
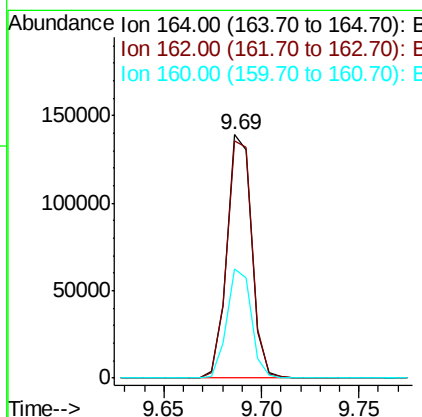
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

Tgt Ion	164	Resp	122356
Ion Ratio	100	Lower	Upper
164	100		
162	97.4	80.6	121.0
160	44.7	35.7	53.5





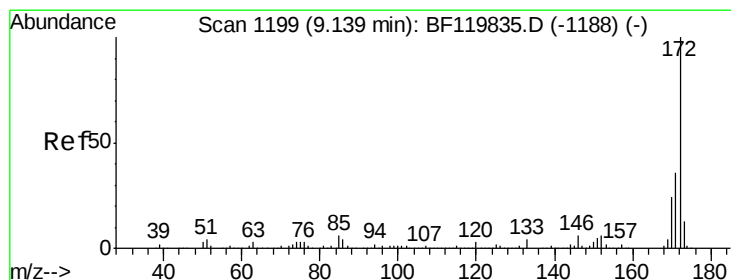
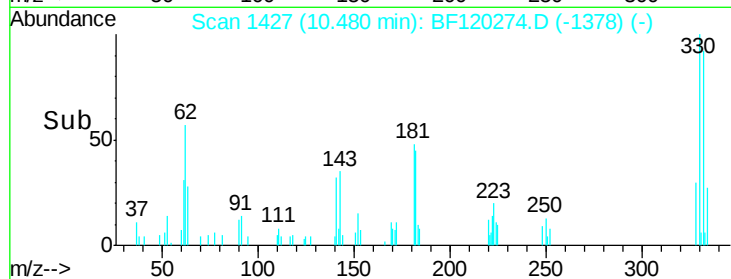
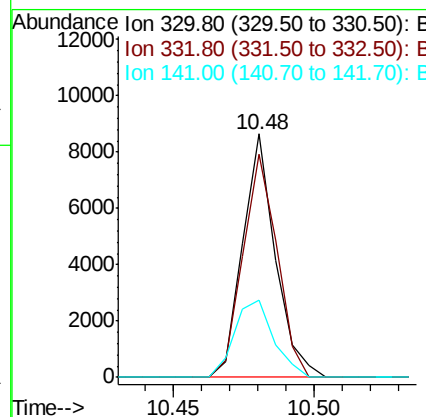
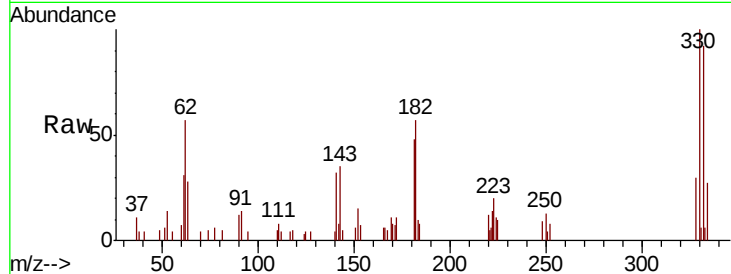
#42
 2,4,6-Tribromophenol
 Concen: 4.632 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF120274.D
 Acq: 1 May 2020 22:36

Instrument :
 BNA_F
 ClientSampleId :
 RECOVERED-CRUSH-AGGREGAT

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	75.7	113.5
141	38.1	25.4	38.0

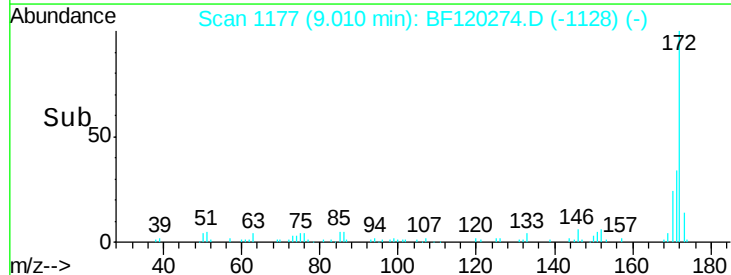
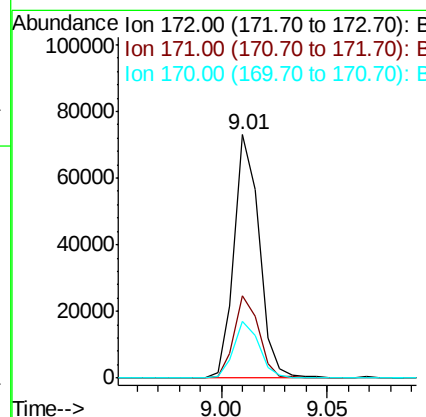
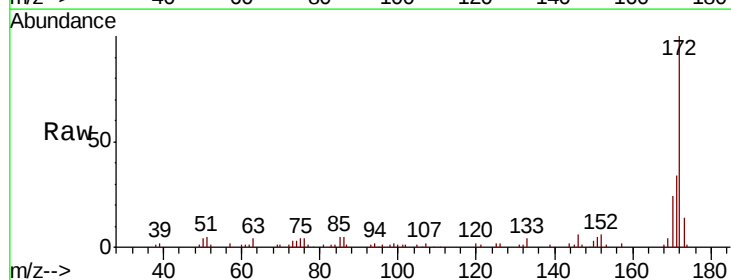
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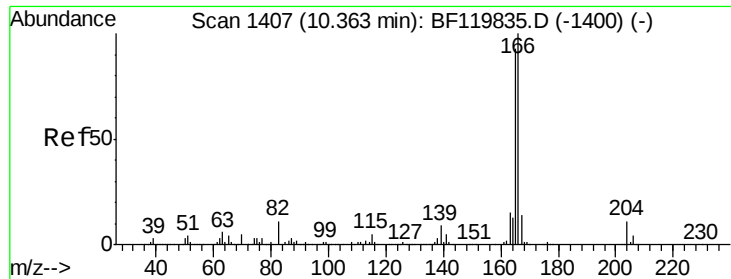
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#45
 2-Fluorobiphenyl
 Concen: 6.955 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: BF120274.D
 Acq: 1 May 2020 22:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	29.6	44.4
170	23.5	20.2	30.2





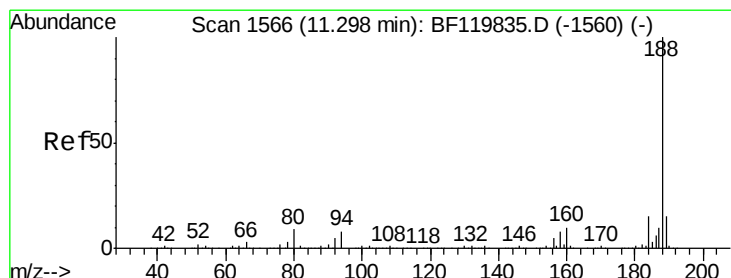
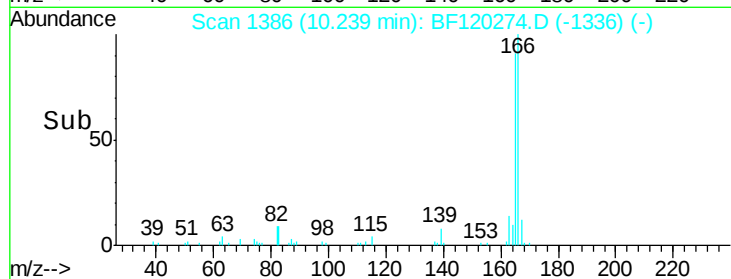
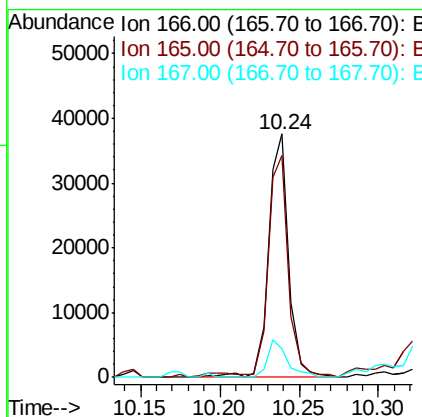
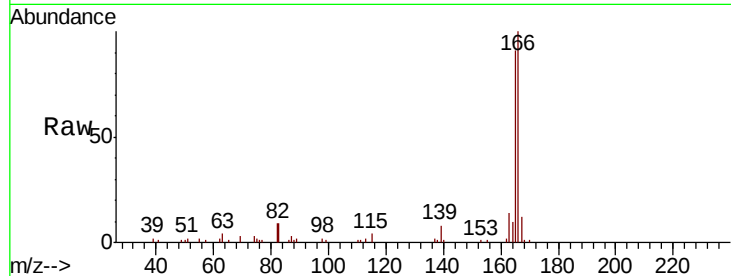
#58
 Fluorene
 Concen: 3.795 ng
 RT: 10.24 min Scan# 1386
 Delta R.T. -0.01 min
 Lab File: BF120274.D
 Acq: 1 May 2020 22:36

Instrument :
 BNA_F
 ClientSampleId :
 RECOVERED-CRUSH-AGGREGAT

Tot Ion	Ratio	Lower	Upper
166	100		
165	91.2	75.4	113.2
167	11.9	11.2	16.8

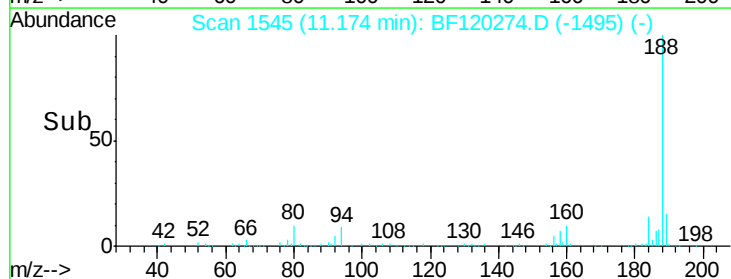
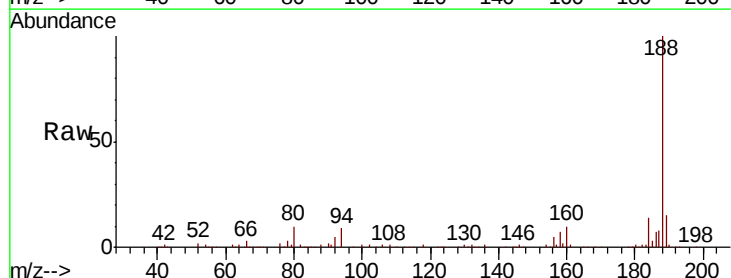
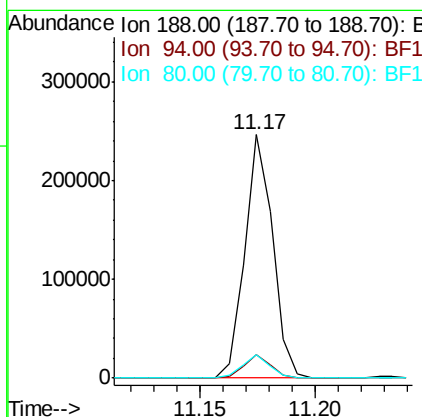
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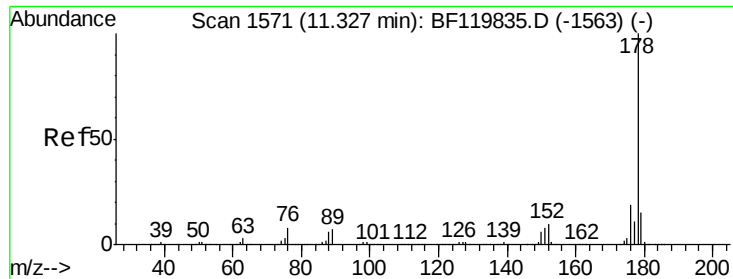
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. -0.01 min
 Lab File: BF120274.D
 Acq: 1 May 2020 22:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.5	11.3
80	9.6	9.0	13.4





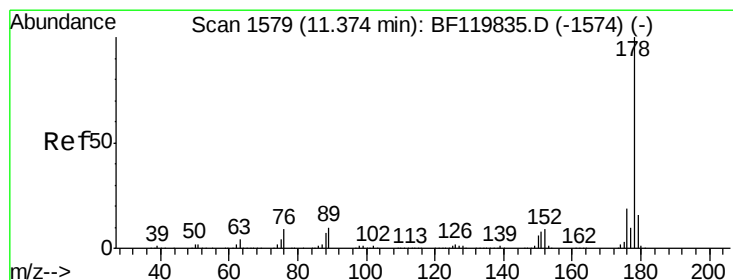
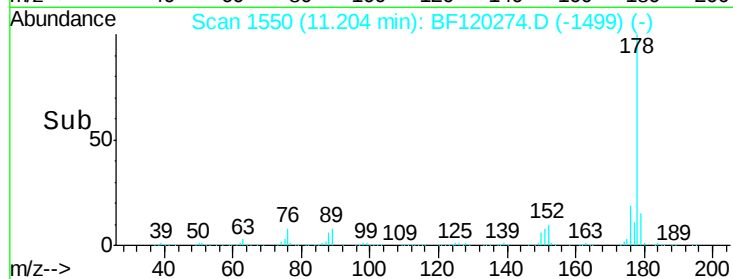
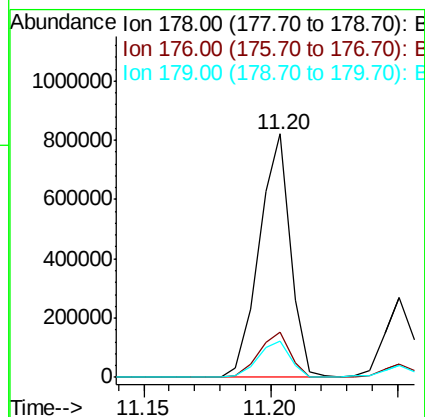
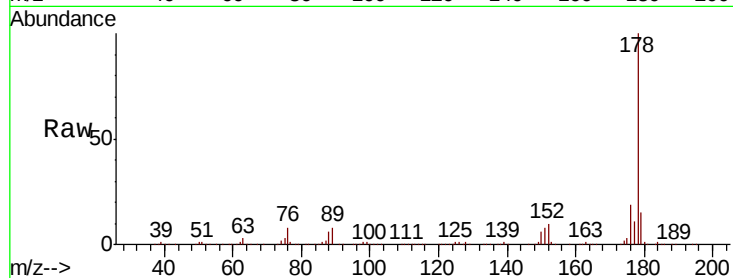
#71
Phenanthrene
Concen: 63.438 ng
RT: 11.20 min Scan# 1550
Delta R.T. 0.00 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

Instrument :
BNA_F
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.2	24.4
179	15.1	13.2	19.8

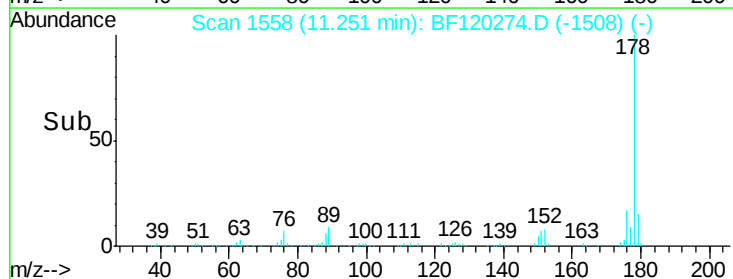
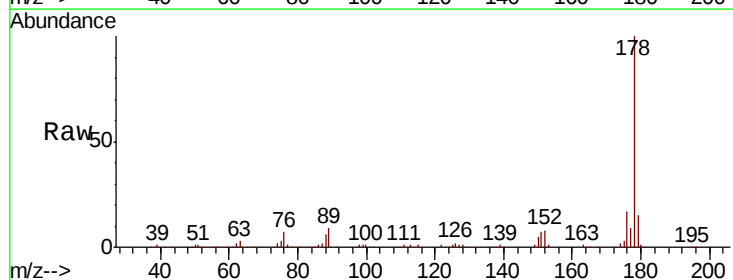
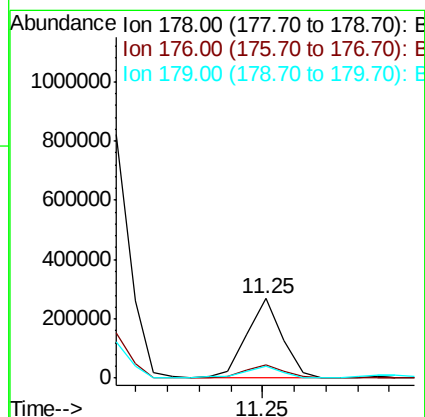
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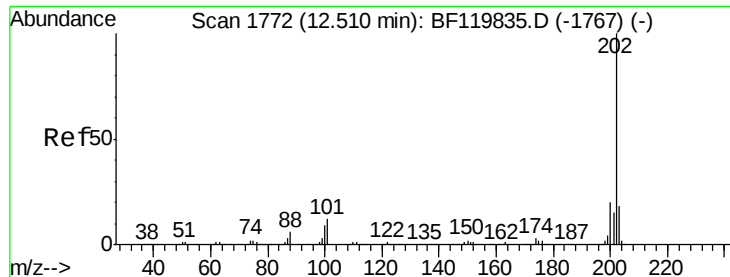
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#72
Anthracene
Concen: 18.093 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.3	16.1	24.1
179	15.4	13.0	19.4





#75

Fluoranthene

Concen: 64.300 ng

RT: 12.39 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BF120274.D

Acq: 1 May 2020 22:36

Instrument :

BNA_F

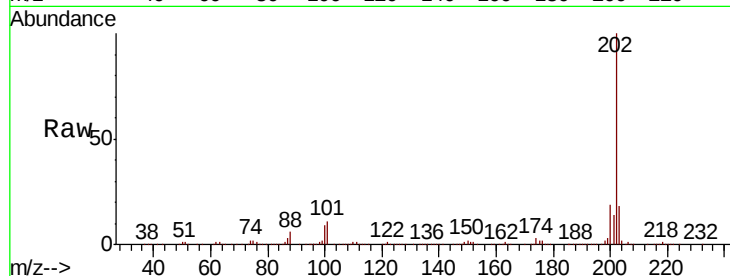
ClientSampleId :

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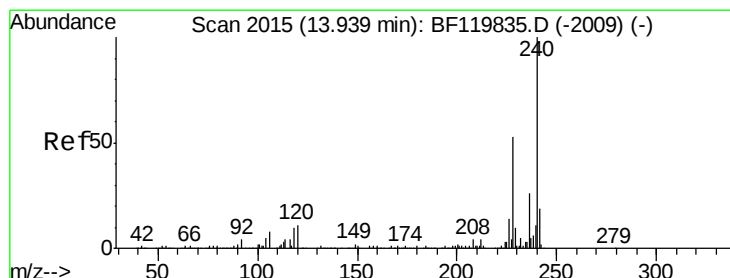
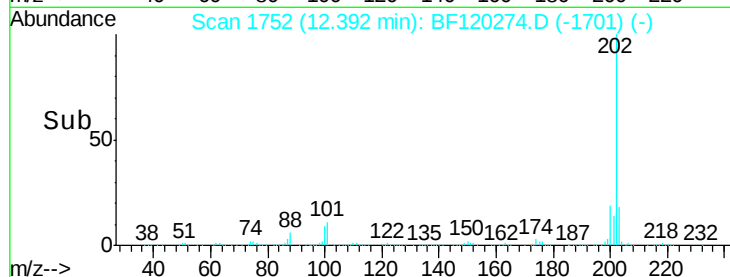
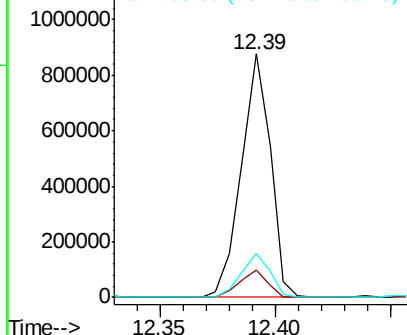
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.3	0.0	32.2
203	17.9	0.0	38.8

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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

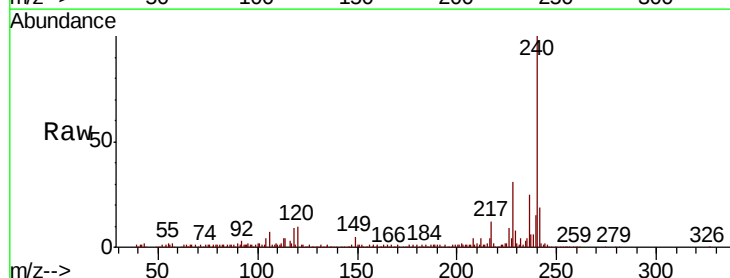
RT: 13.82 min Scan# 1995

Delta R.T. -0.01 min

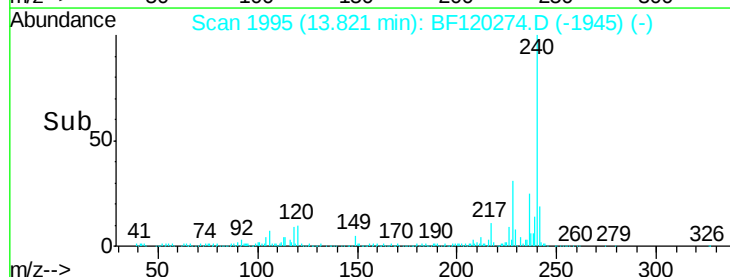
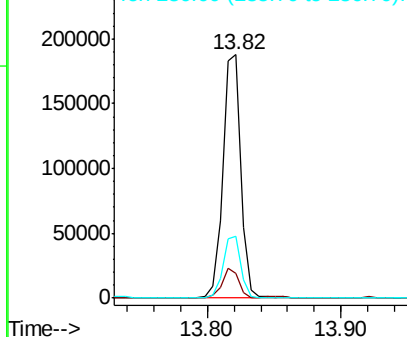
Lab File: BF120274.D

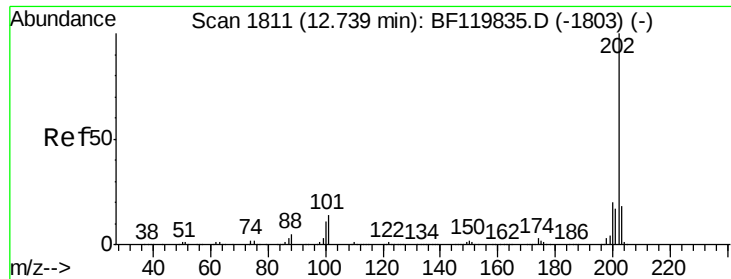
Acq: 1 May 2020 22:36

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.0	10.6	15.8#
236	25.5	20.2	30.2



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





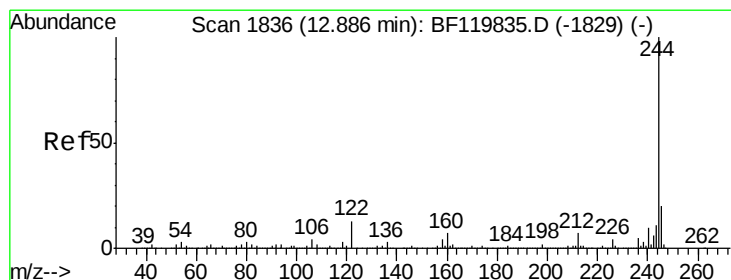
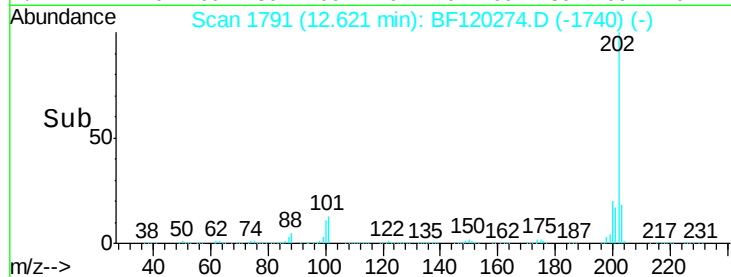
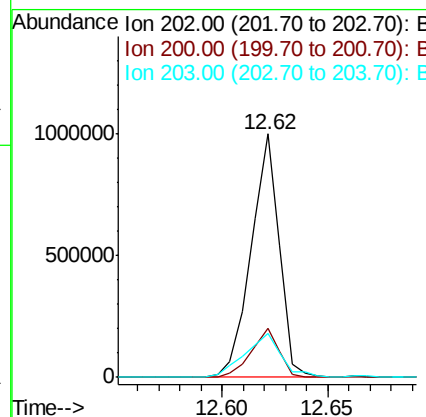
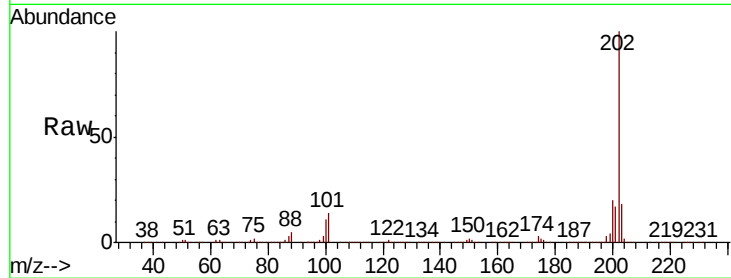
#78
Pvrene
Concen: 61.276 ng
RT: 12.62 min Scan# 1791
Delta R.T. 0.00 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

Instrument :
BNA_F
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.1	16.8	25.2
203	18.1	15.1	22.7

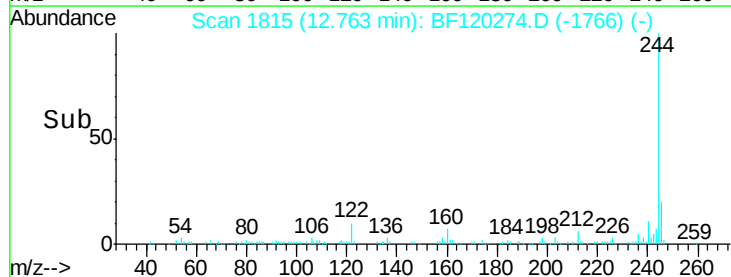
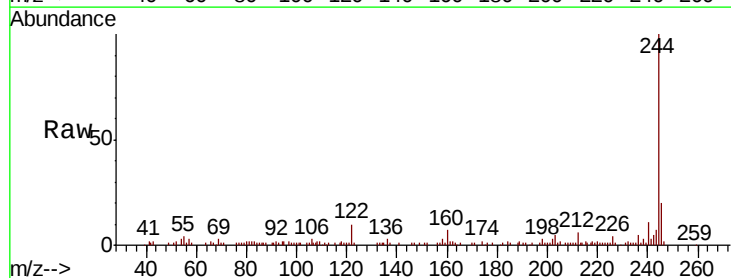
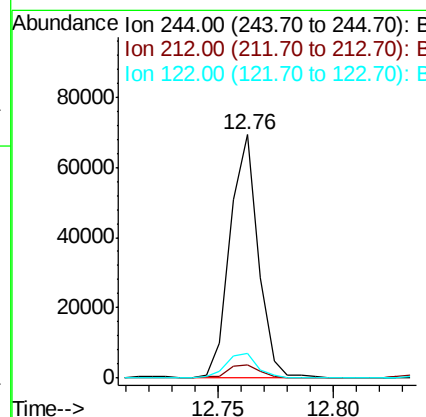
Manual Integrations
APPROVED

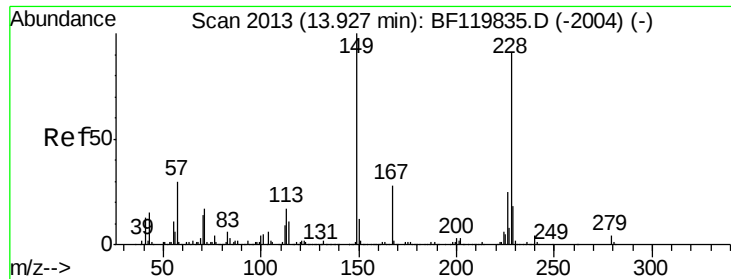
mohammad
5/4/2020 3:45:43 PM



#79
Terphenyl-d14
Concen: 5.508 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	5.6	5.8	8.8#
122	10.0	10.3	15.5#





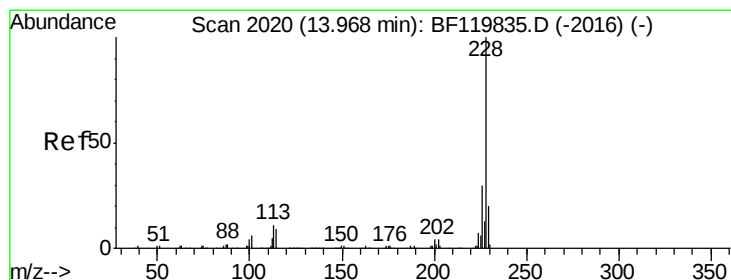
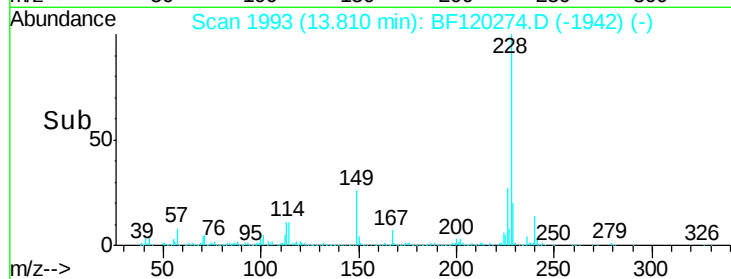
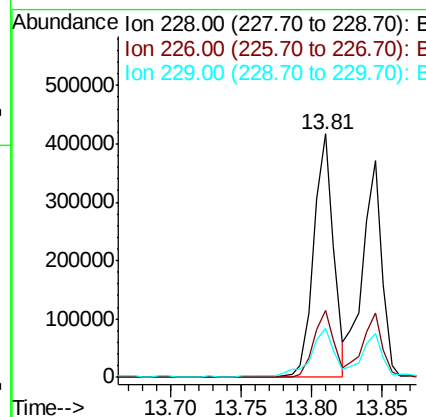
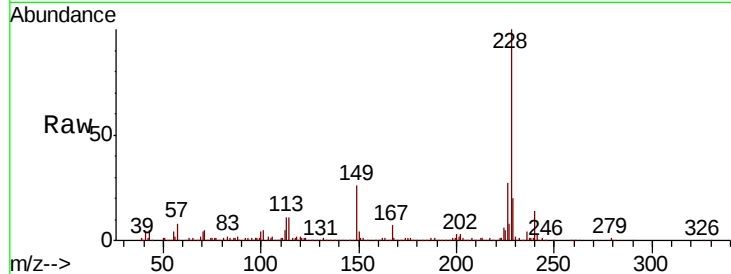
#81
Benzo(a)anthracene
Concen: 34.391 ng
RT: 13.81 min Scan# 1993
Delta R.T. 0.00 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

Instrument :
BNA_F
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	20.1	16.2	24.4

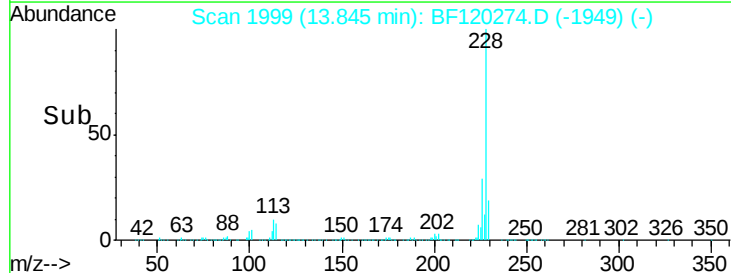
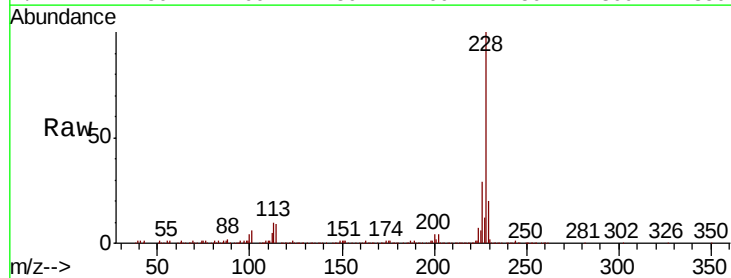
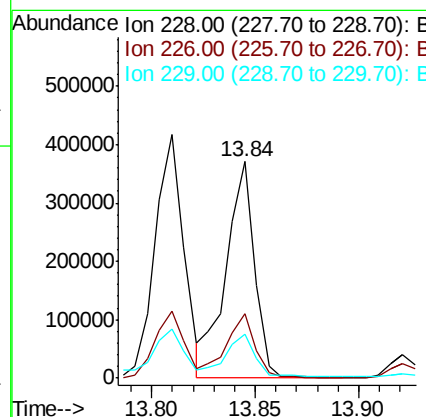
Manual Integrations
APPROVED

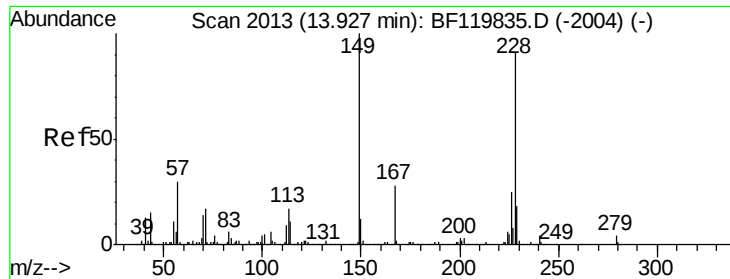
mohammad
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#83
Chrysene
Concen: 29.722 ng m
RT: 13.84 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.4	38.0
229	20.2	16.6	24.8





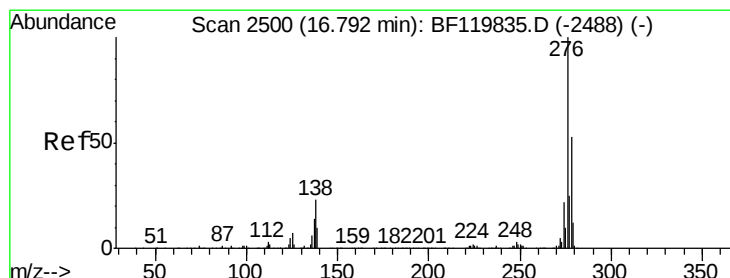
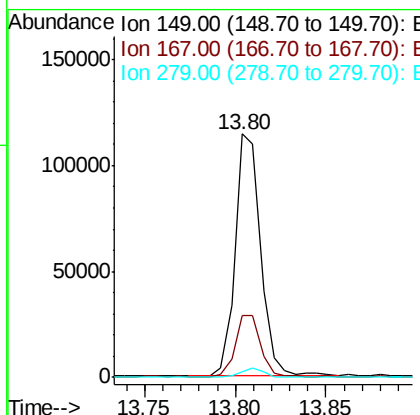
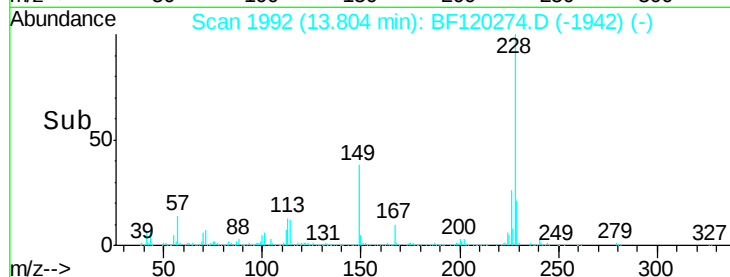
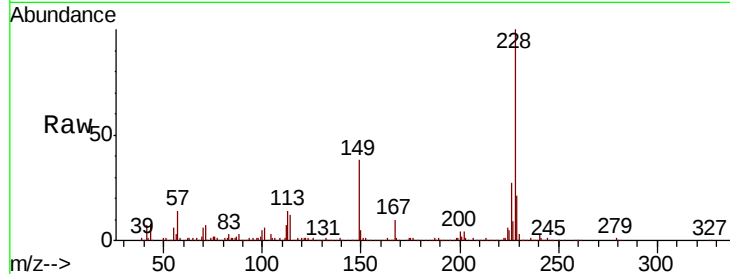
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 11.250 ng
 RT: 13.80 min Scan# 1992
 Delta R.T. -0.01 min
 Lab File: BF120274.D
 Acq: 1 May 2020 22:36

Instrument :
 BNA_F
 ClientSampleId :
 RECOVERED-CRUSH-AGGREGAT

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	25.6	21.3	31.9	
279	2.5	2.7	4.1	

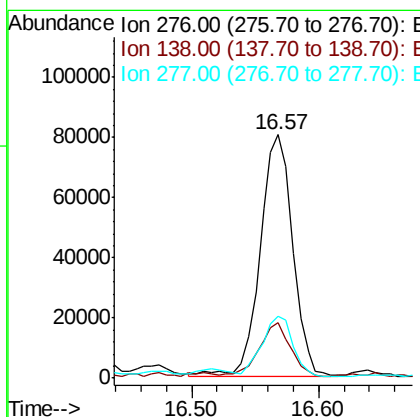
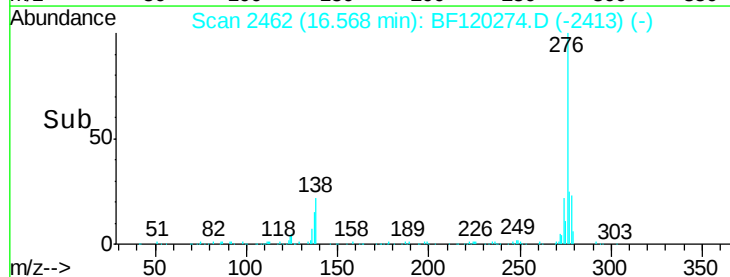
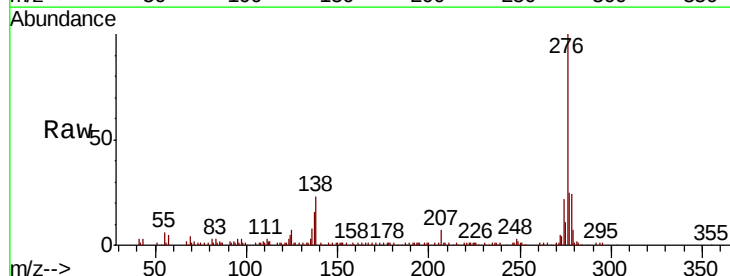
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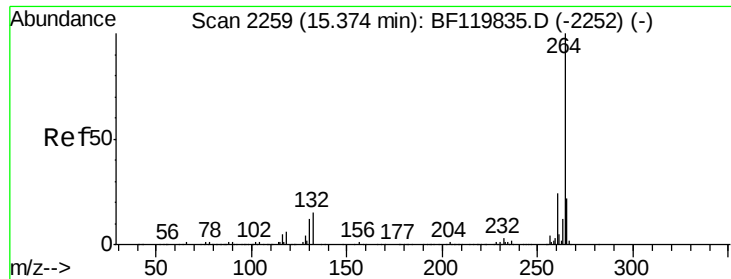
mohammad
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#86
 Indeno(1,2,3-cd)pyrene
 Concen: 13.660 ng
 RT: 16.57 min Scan# 2462
 Delta R.T. -0.01 min
 Lab File: BF120274.D
 Acq: 1 May 2020 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	21.2	19.6	29.4	
277	23.6	20.0	30.0	





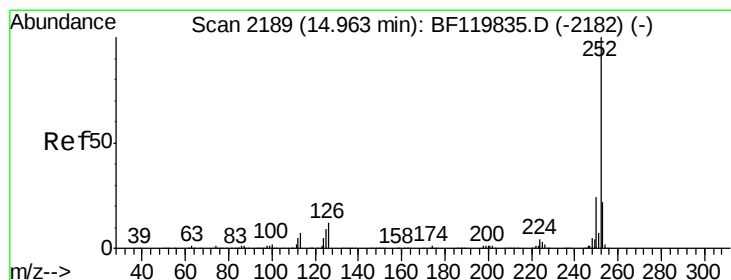
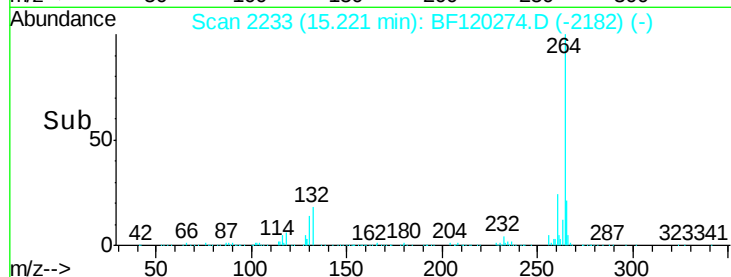
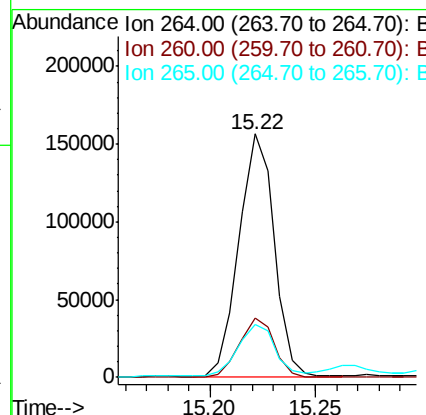
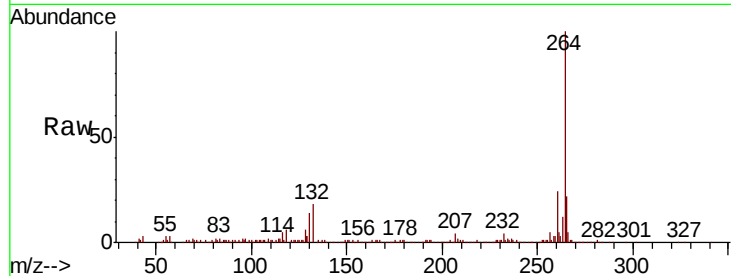
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.00 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

Instrument :
BNA_F
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	21.9	17.7	26.5

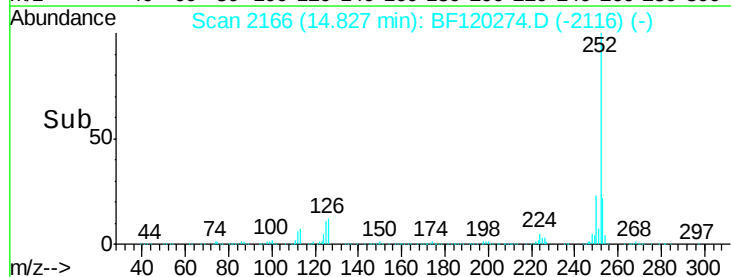
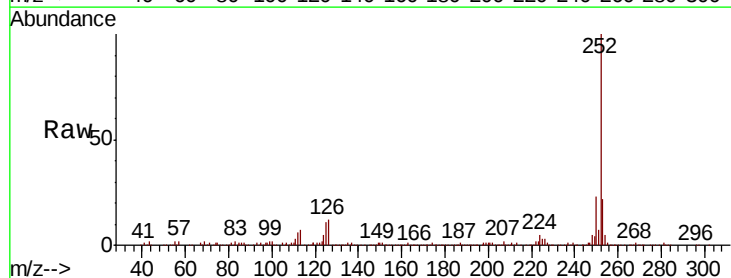
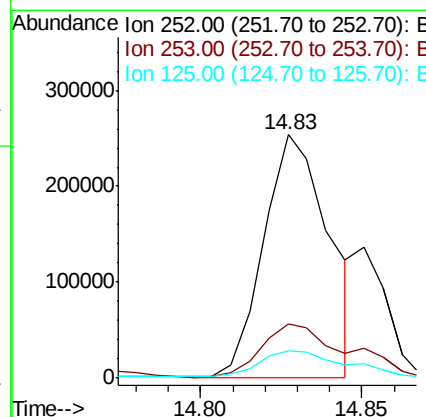
Manual Integrations
APPROVED

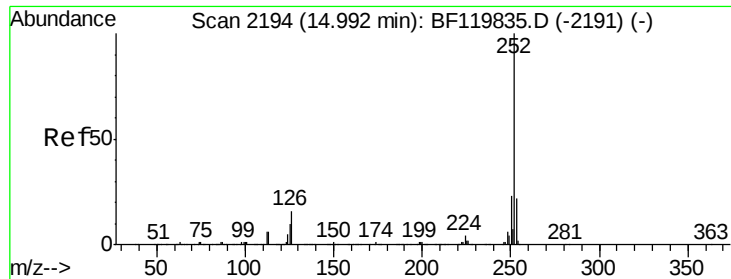
mohammad
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#88
Benzo(b)fluoranthene
Concen: 27.387 ng m
RT: 14.83 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	11.3	7.9	11.9





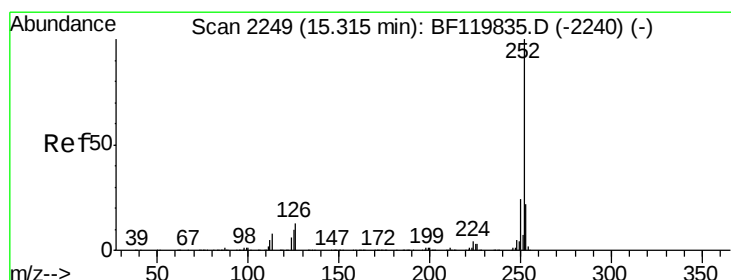
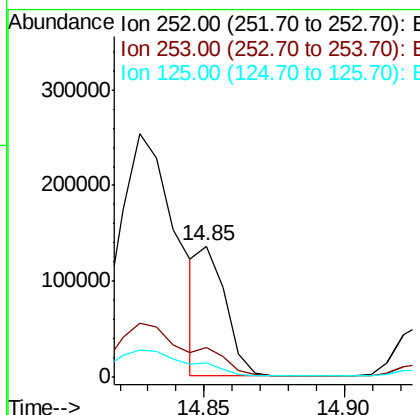
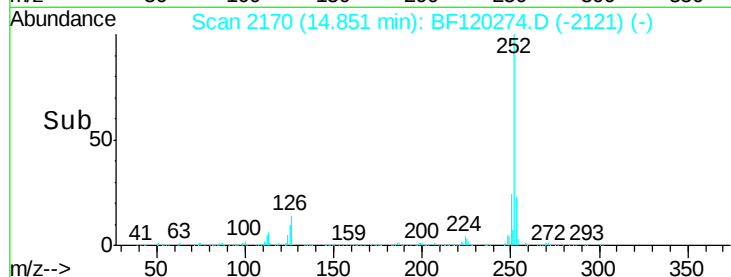
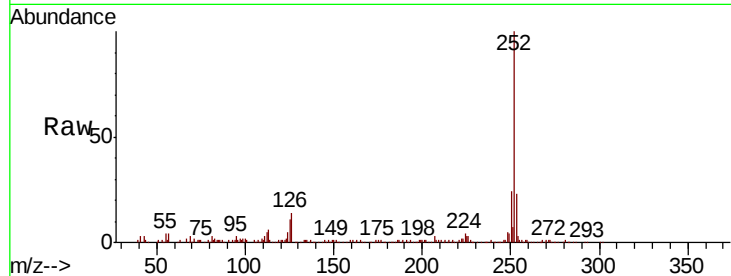
#89
Benzo(k)fluoranthene
Concen: 7.944 ng m
RT: 14.85 min Scan# 2170
Delta R.T. -0.01 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

Instrument :
BNA_F
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	10.8	8.4	12.6

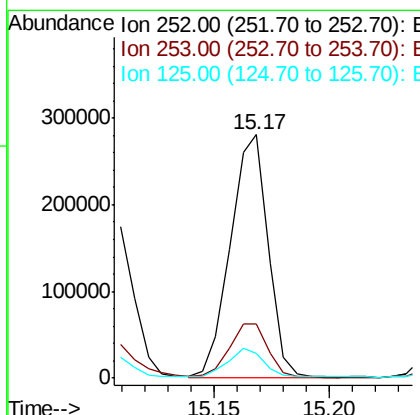
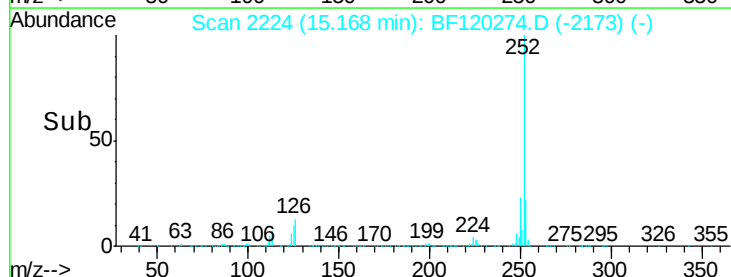
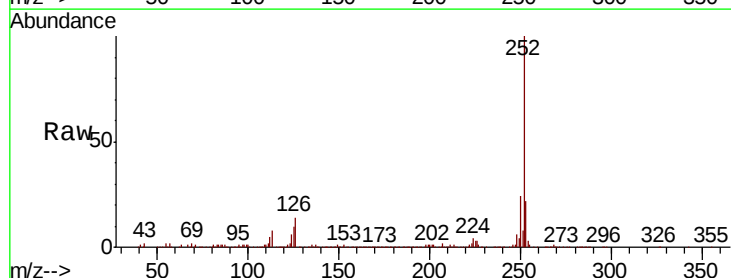
Manual Integrations
APPROVED

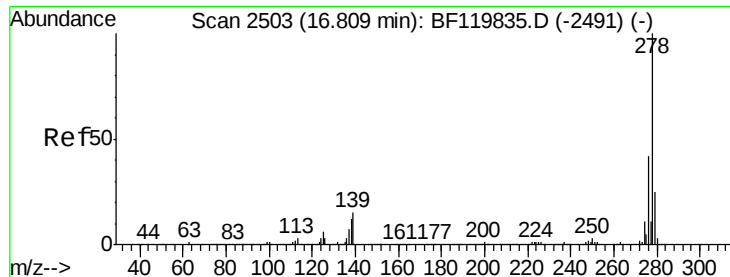
mohammad
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#90
Benzo(a)pyrene
Concen: 29.064 ng
RT: 15.17 min Scan# 2224
Delta R.T. 0.00 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	10.1	9.4	14.2





#91

Dibenzo(a,h)anthracene

Concen: 3.854 ng m

RT: 16.57 min Scan# 2463

Delta R.T. -0.02 min

Lab File: BF120274.D

Acq: 1 May 2020 22:36

Instrument :

BNA_F

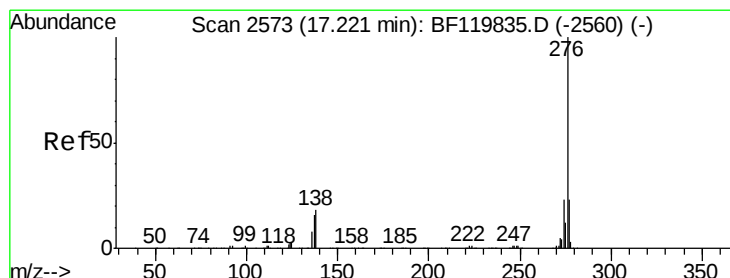
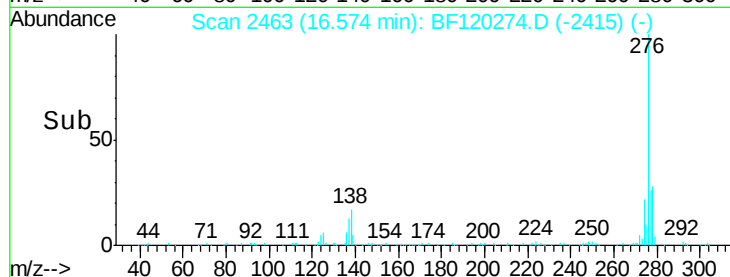
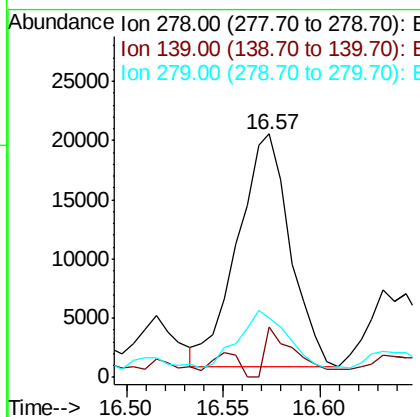
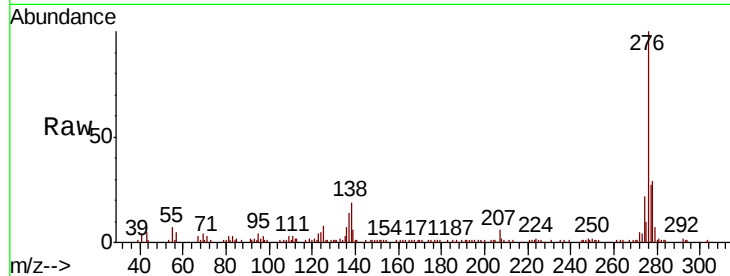
ClientSampleId :

RECOVERED-CRUSH-AGGREGAT

Tot Ion:	278	Resp:	37498
Ion Ratio	Lower	Upper	
278	100		
139	20.5	12.6	19.0#
279	24.2	19.0	28.6

Manual Integrations
APPROVED

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#92

Benzo(g,h,i)perylene

Concen: 15.197 ng

RT: 16.97 min Scan# 2531

Delta R.T. -0.01 min

Lab File: BF120274.D

Acq: 1 May 2020 22:36

Tgt Ion:	276	Resp:	145964
Ion Ratio	Lower	Upper	
276	100		
277	23.9	18.4	27.6
138	21.0	15.4	23.0

