

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
 Data File : BF119315.D
 Acq On : 10 Mar 2020 14:24
 Operator : CG/JU
 Sample : L1778-07 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DN2

Manual Integrations
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Quant Time: Mar 11 02:20:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 23:38:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	130749	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	493130	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	247088	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	381285	20.00	ng	0.00
76) Chrysene-d12	13.89	240	270571	20.00	ng	0.00
87) Perylene-d12	15.32	264	260144	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	338921	43.32	ng	0.00
7) Phenol-d6	6.38	99	417579	43.89	ng	0.00
23) Nitrobenzene-d5	7.29	82	271613	29.08	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	102751	31.79	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	523914	31.24	ng	0.00
79) Terphenyl-d14	12.82	244	404406	25.73	ng	0.00
Target Compounds						
71) Phenanthrene	11.27	178	174729	8.403	ng	96
72) Anthracene	11.32	178	57002	2.744	ng	97
75) Fluoranthene	12.46	202	549283	24.886	ng	99
78) Pyrene	12.69	202	502431	23.125	ng	99
81) Benzo(a)anthracene	13.87	228	342596	18.583	ng	99
83) Chrysene	13.92	228	293772	15.992	ng	96
86) Indeno(1,2,3-cd)pyrene	16.74	276	143300	8.056	ng	95
88) Benzo(b)fluoranthene	14.92	252	406408m	23.701	ng	
89) Benzo(k)fluoranthene	14.94	252	149784m	9.426	ng	
90) Benzo(a)pyrene	15.26	252	263089	17.000	ng	97
91) Dibenzo(a,h)anthracene	16.73	278	37696	2.768	ng	# 83
92) Benzo(a,h,i)perylene	17.17	276	131035	9.739	ng	98

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

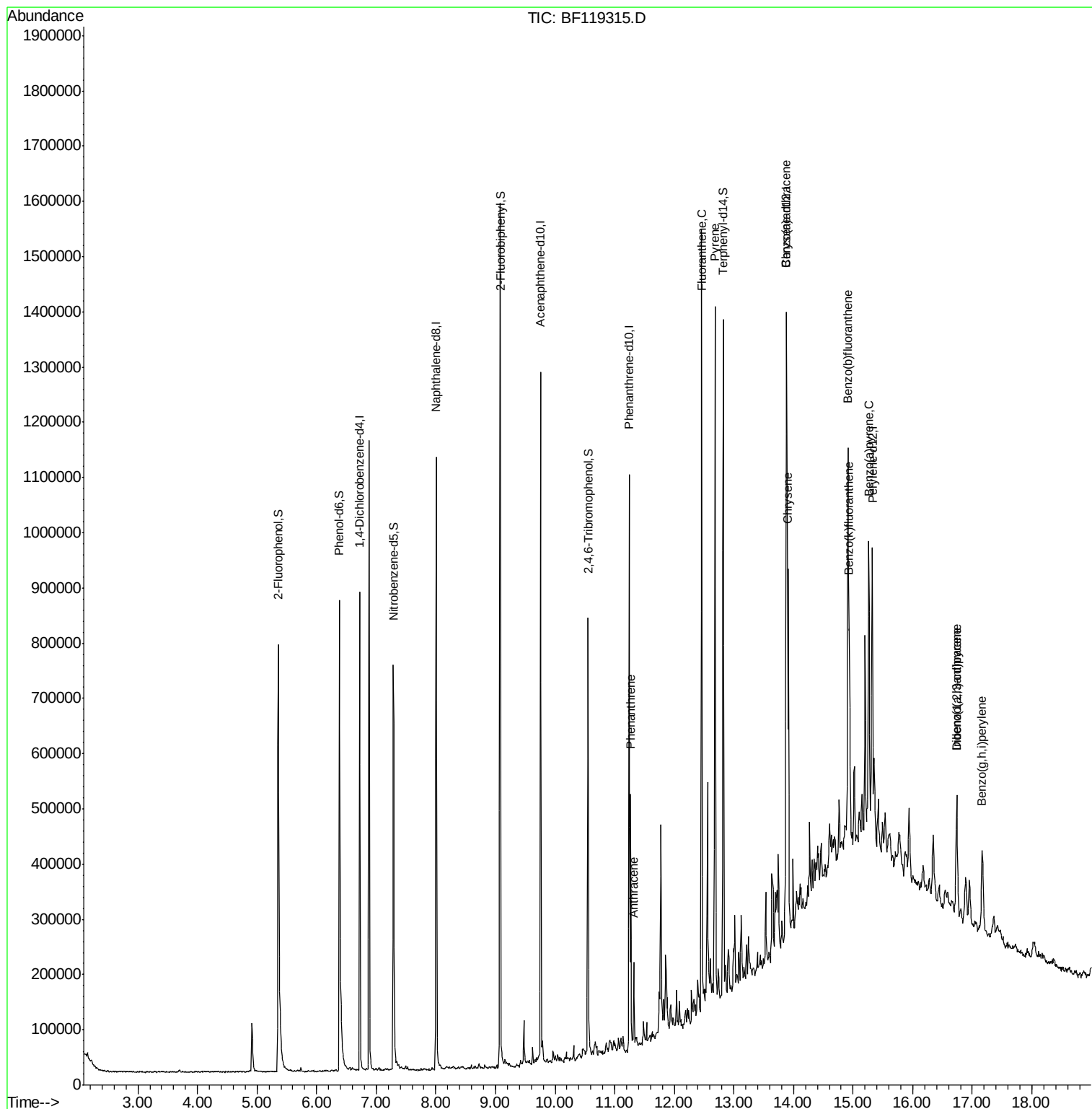
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
Data File : BF119315.D
Acq On : 10 Mar 2020 14:24
Operator : CG/JU
Sample : L1778-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

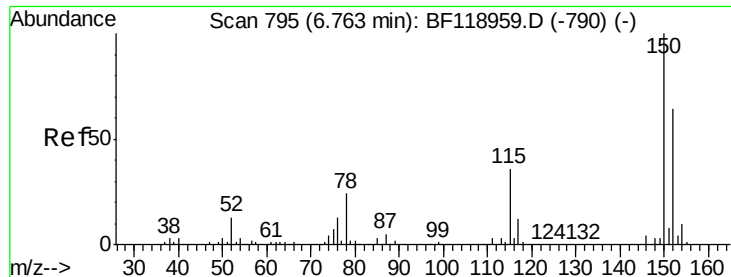
Instrument :
BNA_F
ClientSampled :
DN2

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
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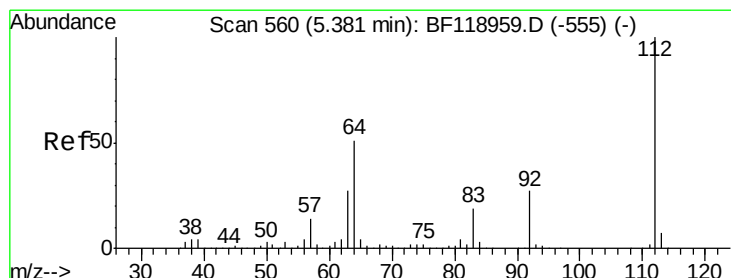
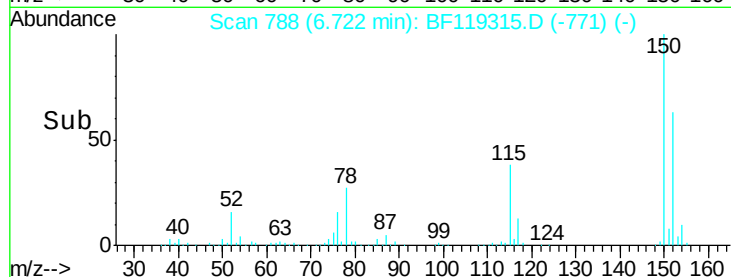
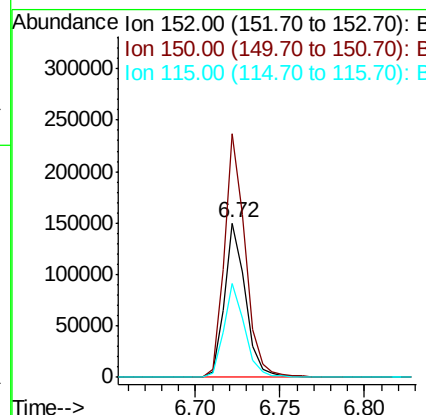
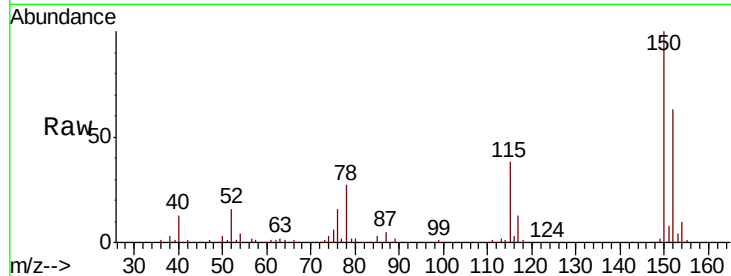
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF119315.D
 Acq: 10 Mar 2020 14:24

Instrument :
 BNA_F
 ClientSampleId :
 DN2

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	123.0	184.6
115	60.7	49.5	74.3

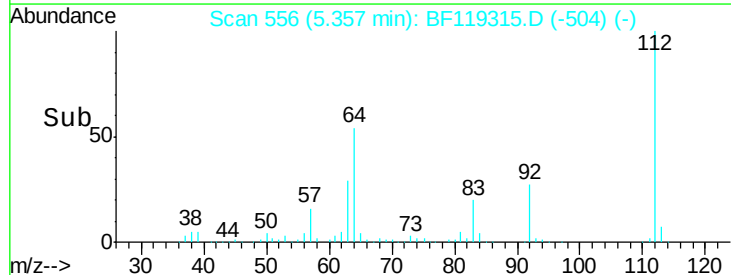
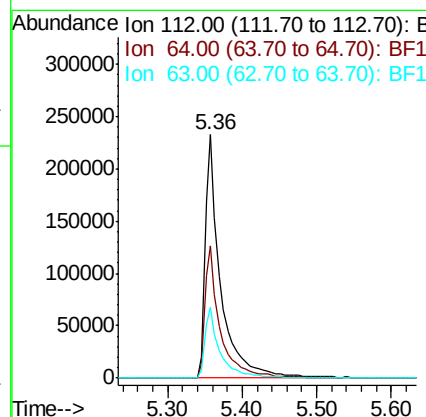
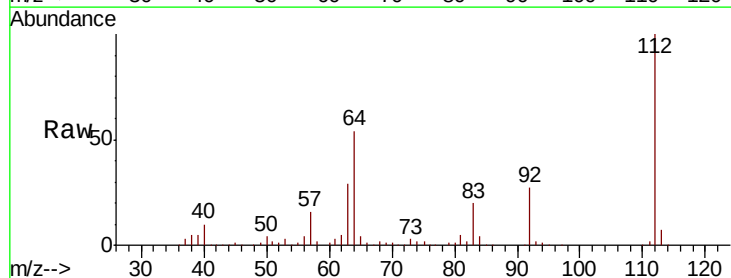
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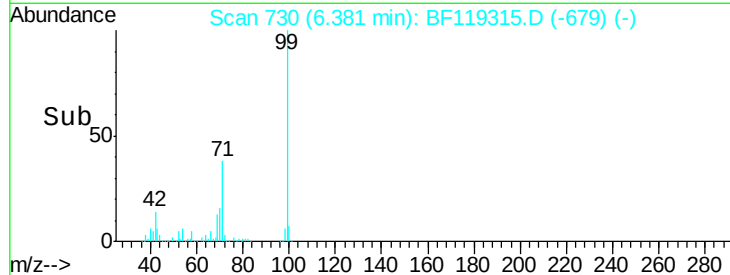
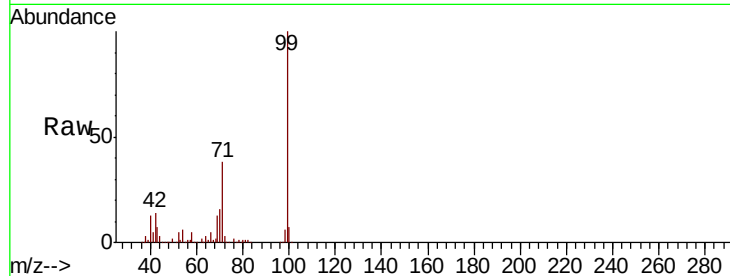
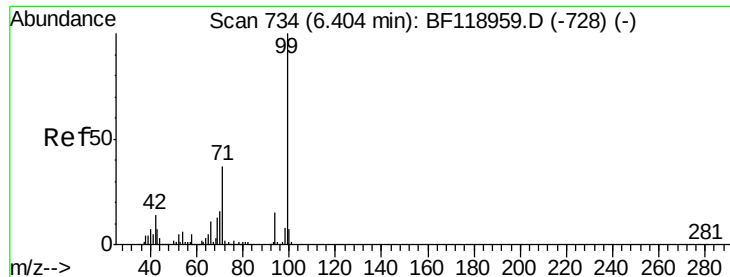
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#5
 2-Fluorophenol
 Concen: 43.319 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF119315.D
 Acq: 10 Mar 2020 14:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	45.0	67.4
63	28.8	24.2	36.4





#7

Phenol-d6

Concen: 43.886 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119315.D

Acq: 10 Mar 2020 14:24

Tot Ion:	99	Resp:	417579
Ion	Ratio	Lower	Upper
99	100		
42	14.5	12.6	18.8
71	37.7	31.0	46.4

Instrument :

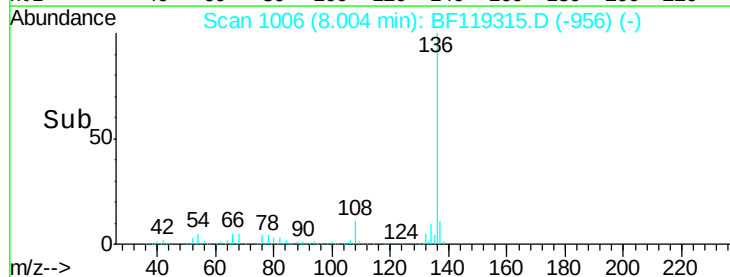
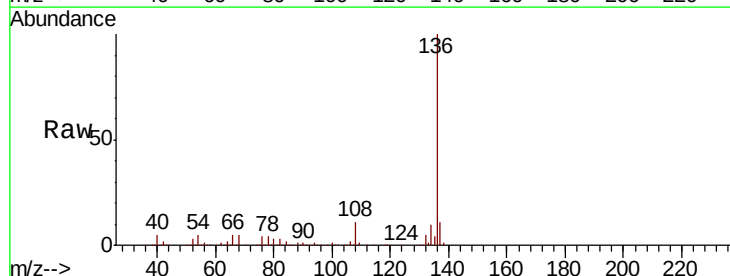
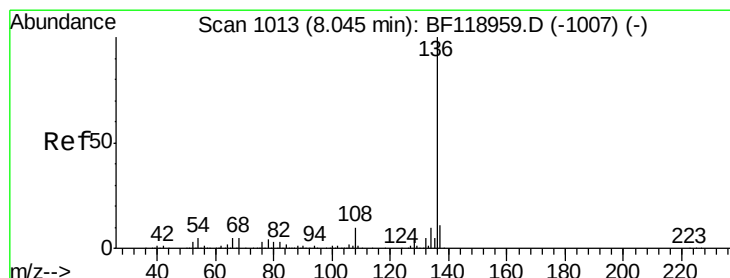
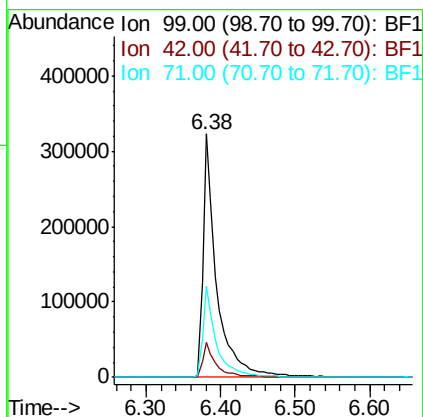
BNA_F

ClientSampleId :

DN2

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#21

Naphthalene-d8

Concen: 20.000 ng

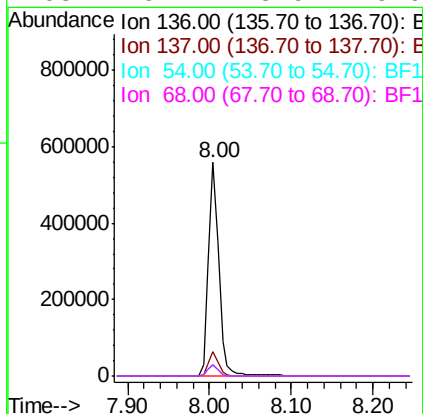
RT: 8.00 min Scan# 1006

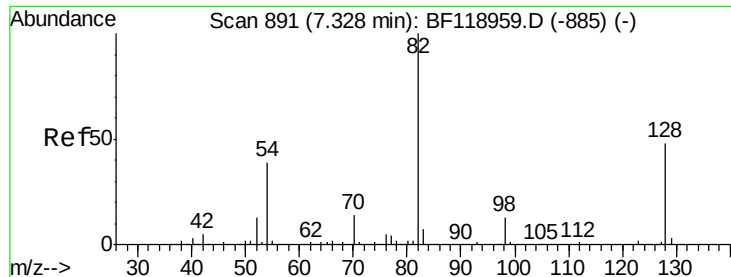
Delta R.T. -0.01 min

Lab File: BF119315.D

Acq: 10 Mar 2020 14:24

Tgt Ion:	136	Resp:	493130
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	5.1	3.8	5.6
68	5.2	3.9	5.9





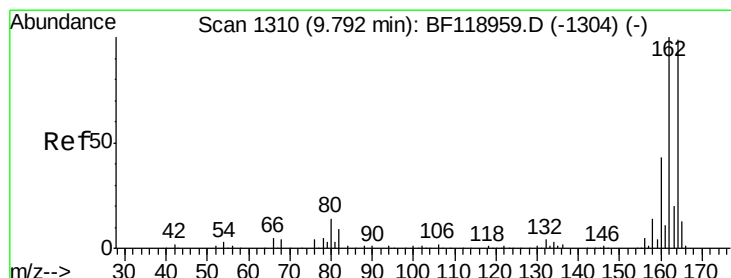
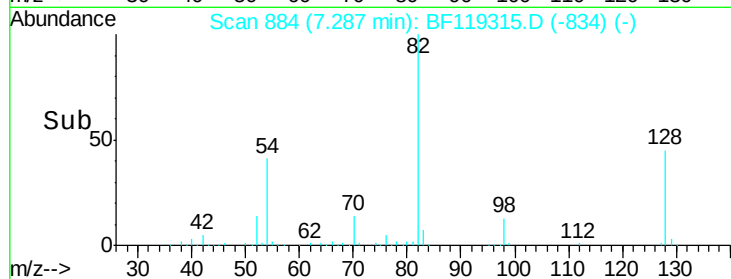
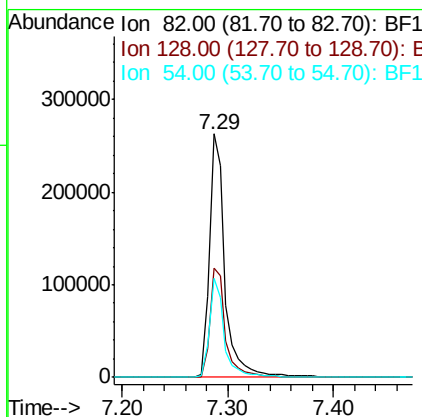
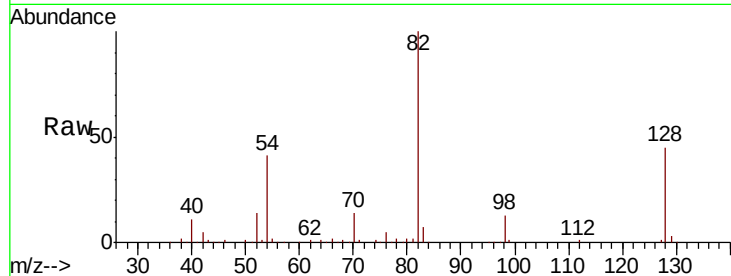
#23
 Nitrobenzene-d5
 Concen: 29.082 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF119315.D
 Acq: 10 Mar 2020 14:24

Instrument :
 BNA_F
 ClientSampled :
 DN2

Tot Ion	82	Resp	271613
Ion Ratio	100	Lower	Upper
82	100		
128	45.0	37.9	56.9
54	40.7	33.4	50.2

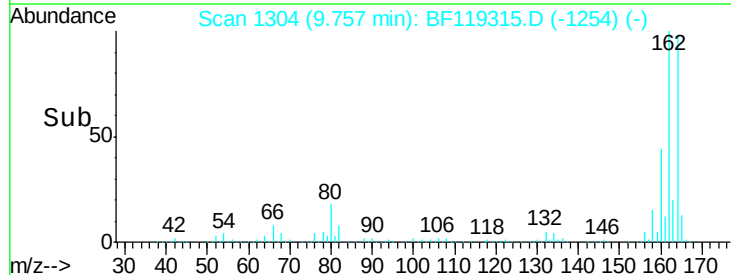
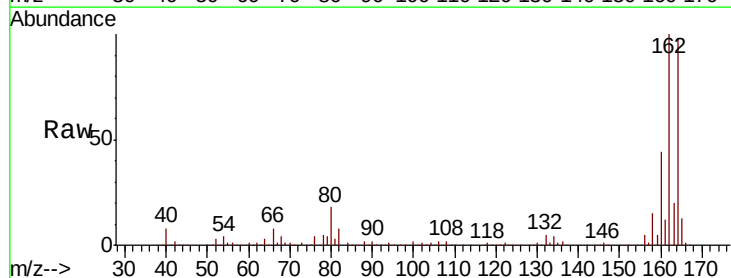
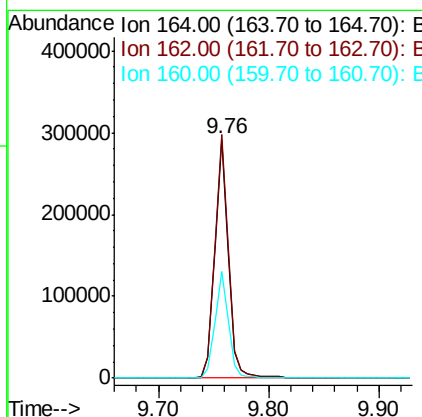
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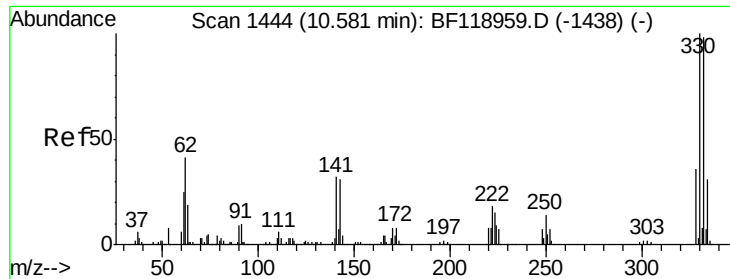
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF119315.D
 Acq: 10 Mar 2020 14:24

Tgt Ion	164	Resp	247088
Ion Ratio	100	Lower	Upper
164	100		
162	102.0	81.8	122.8
160	44.7	36.0	54.0





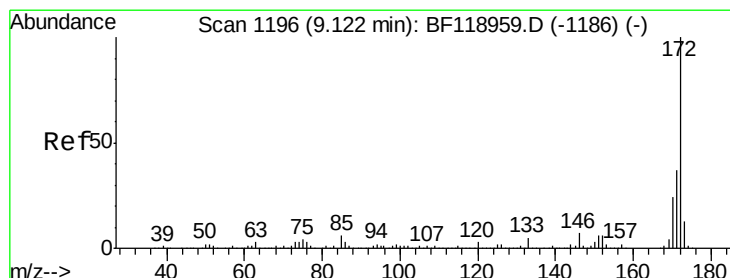
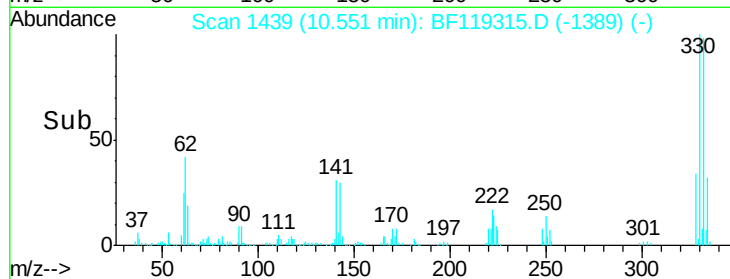
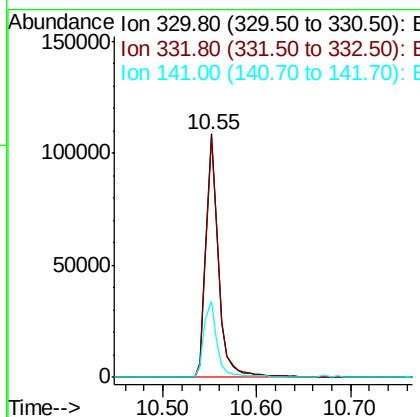
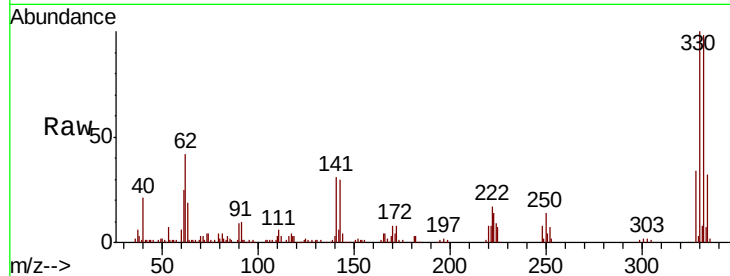
#42
 2,4,6-Tribromophenol
 Concen: 31.789 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF119315.D
 Acq: 10 Mar 2020 14:24

Instrument :
 BNA_F
 ClientSampled :
 DN2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	102751		
332	98.2	76.0	114.0	
141	33.0	22.9	34.3	

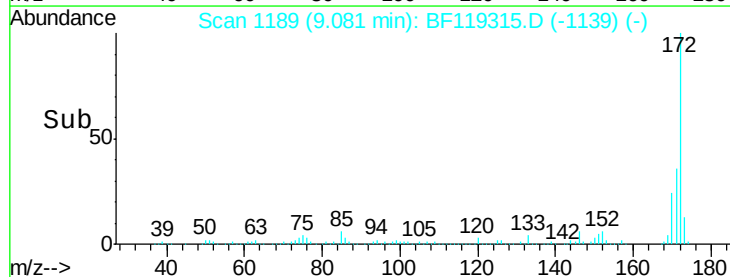
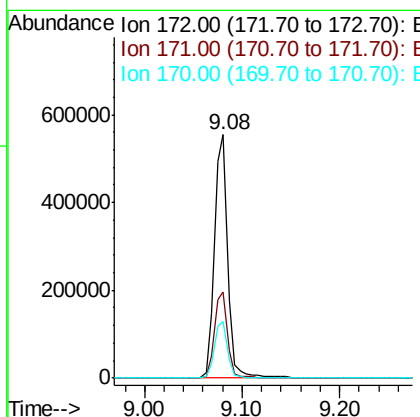
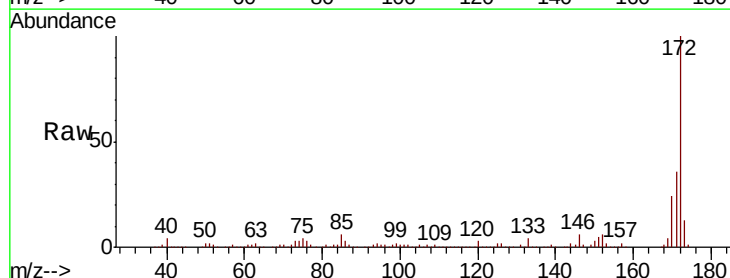
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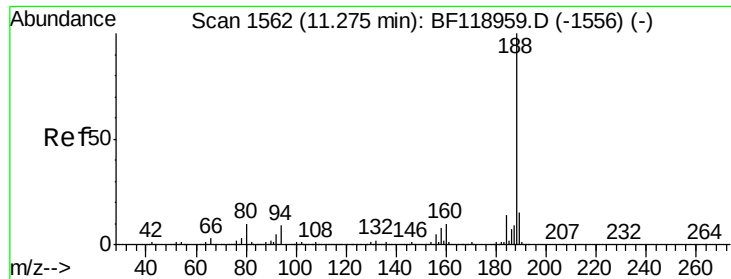
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#45
 2-Fluorobiphenyl
 Concen: 31.236 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF119315.D
 Acq: 10 Mar 2020 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	523914		
171	35.5	30.6	45.8	
170	23.5	20.2	30.2	





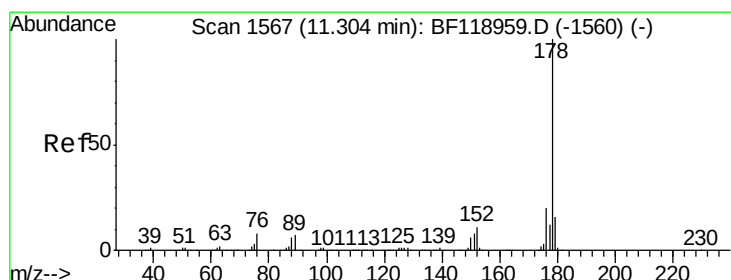
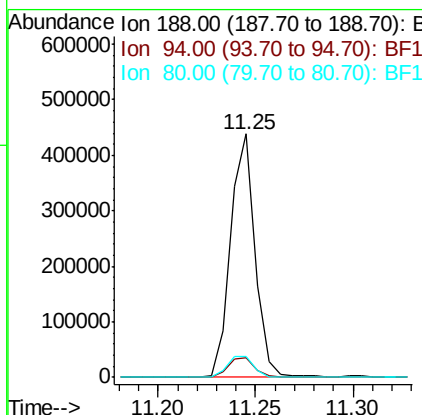
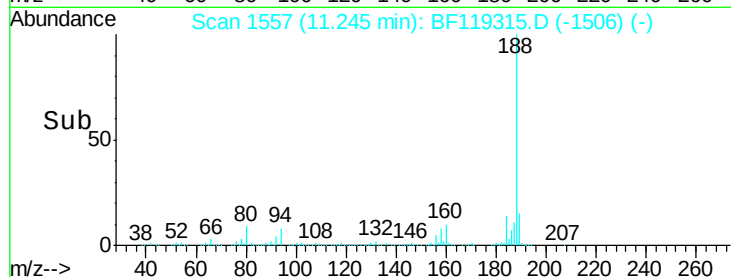
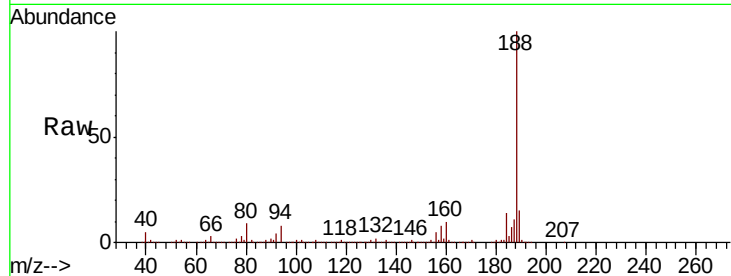
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Instrument :
BNA_F
ClientSampled :
DN2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.0	7.1	10.7
80	8.7	7.8	11.8

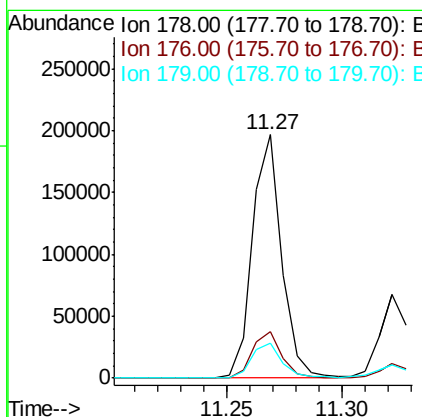
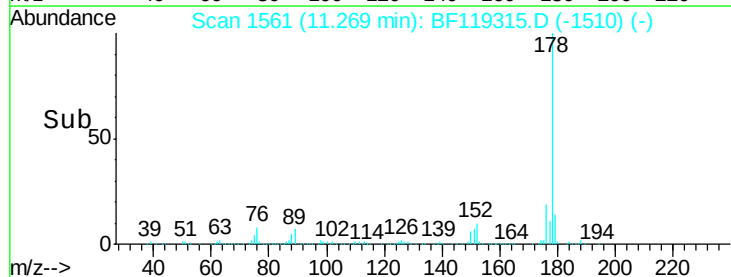
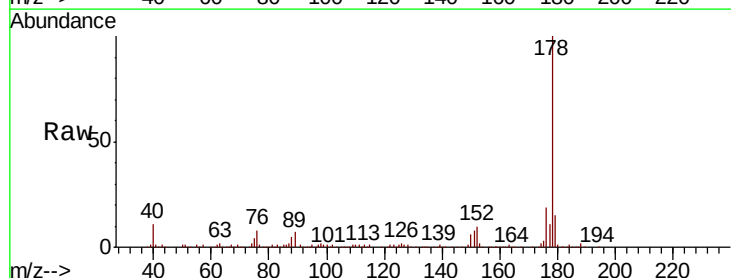
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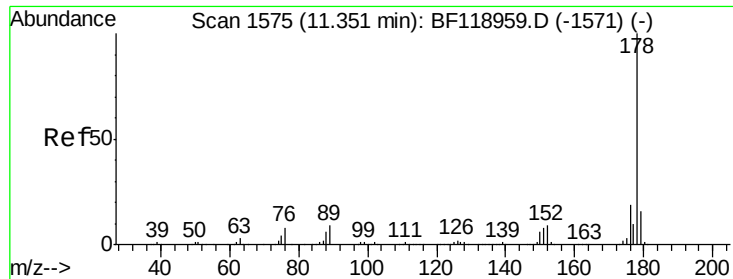
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#71
Phenanthrene
Concen: 8.403 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	16.5	24.7
179	14.6	13.0	19.6





#72

Anthracene

Concen: 2.744 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF119315.D

Acq: 10 Mar 2020 14:24

Instrument :

BNA_F

ClientSampled :

DN2

Tot Ion:178 Resp: 57002

Ion Ratio Lower Upper

178 100

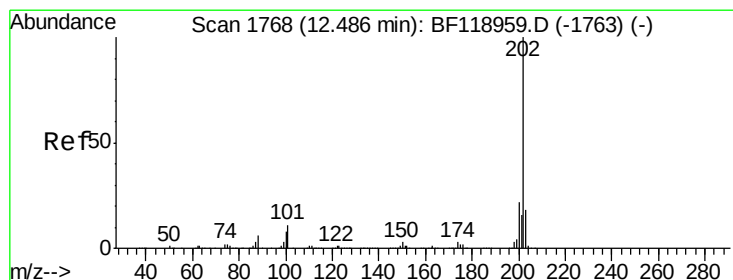
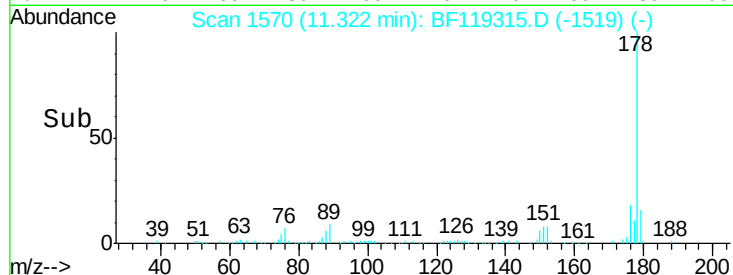
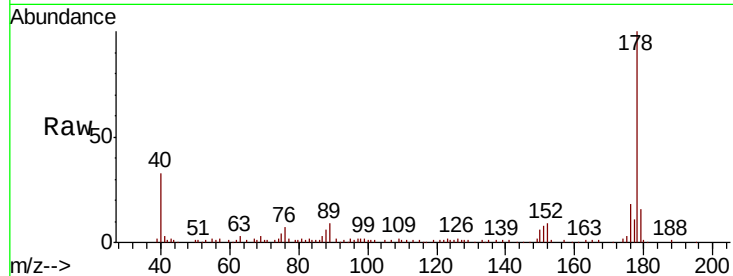
176 18.1 16.0 24.0

179 16.0 13.1 19.7

Manual Integrations
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#75

Fluoranthene

Concen: 24.886 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.00 min

Lab File: BF119315.D

Acq: 10 Mar 2020 14:24

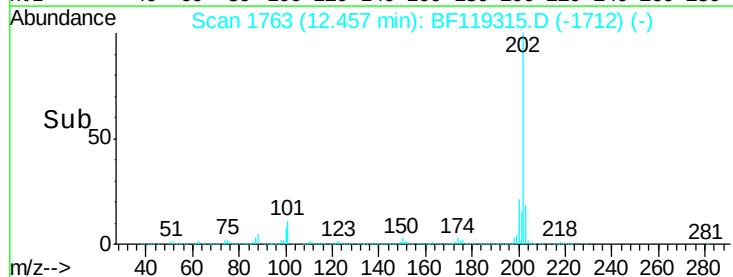
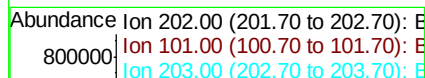
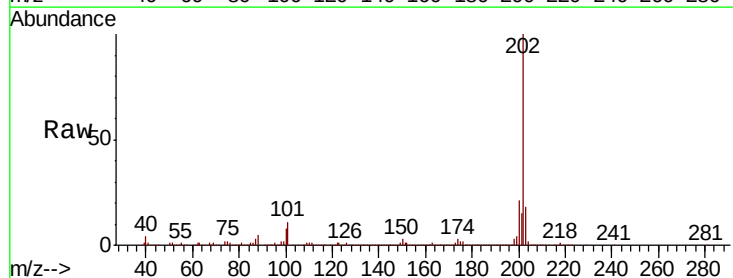
Tgt Ion:202 Resp: 549283

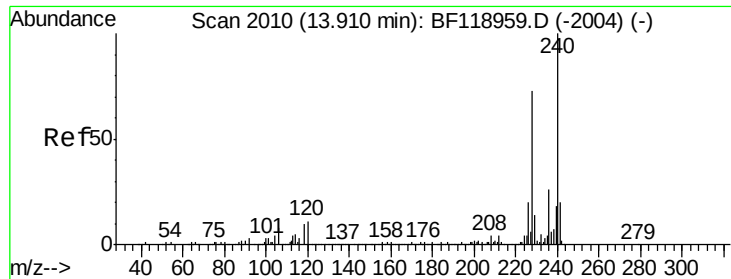
Ion Ratio Lower Upper

202 100

101 10.8 0.0 30.3

203 17.8 0.0 38.4





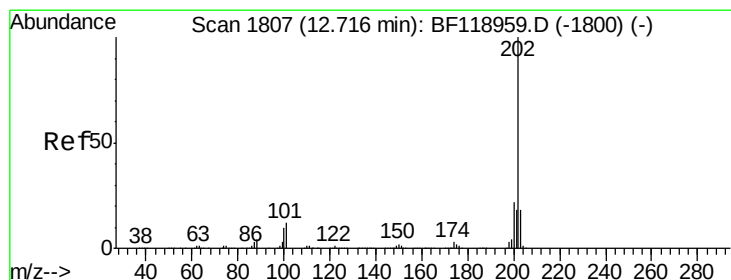
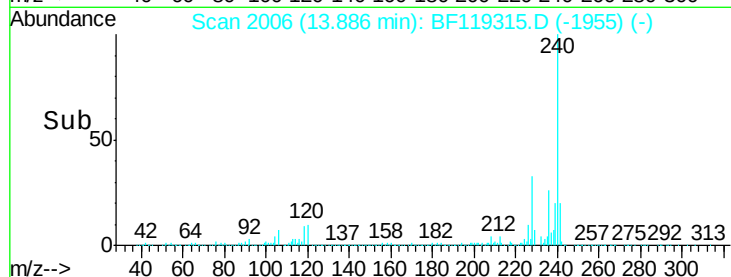
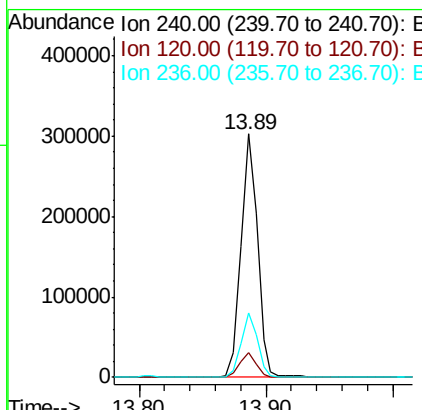
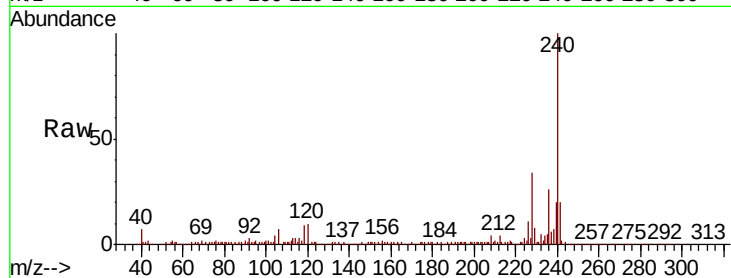
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Instrument :
BNA_F
ClientSampleId :
DN2

Tot Ion	Ratio	Resp	Lower	Upper
240	100	270571		
120	10.3		8.4	12.6
236	26.3		21.0	31.4

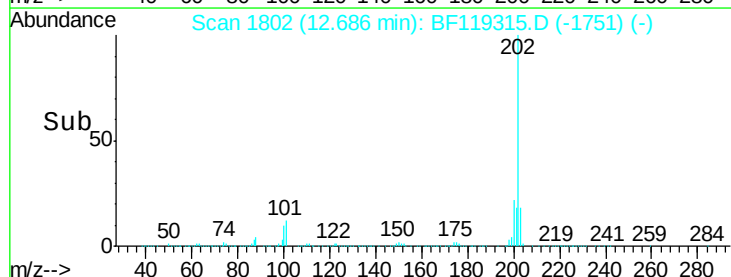
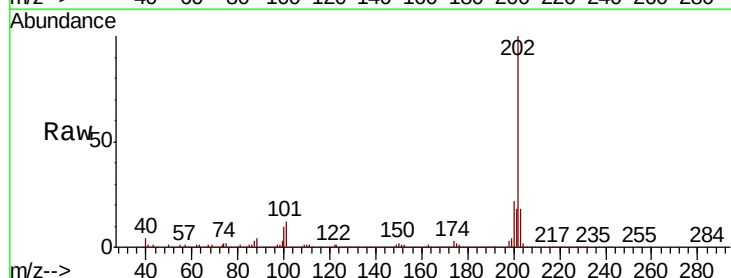
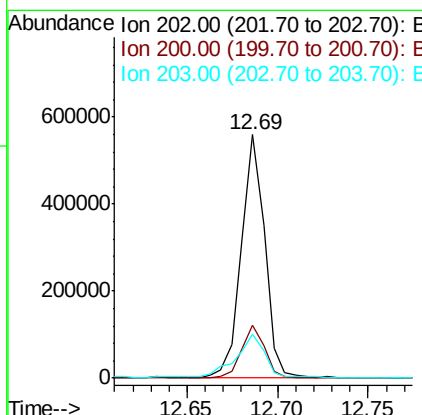
Manual Integrations
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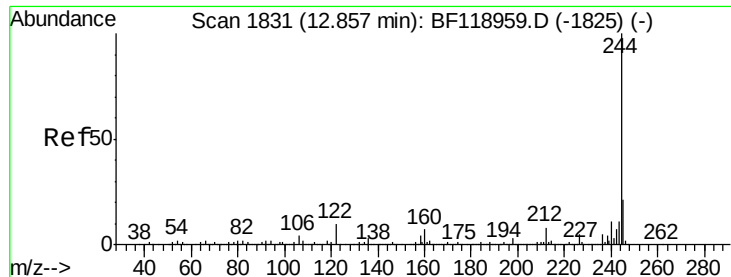
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#78
Pyrene
Concen: 23.125 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.00 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	502431		
200	21.8		18.0	27.0
203	18.0		14.6	22.0





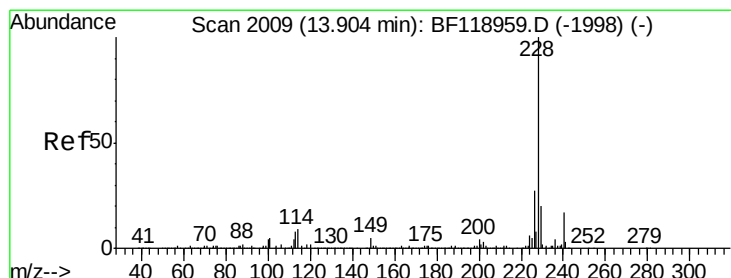
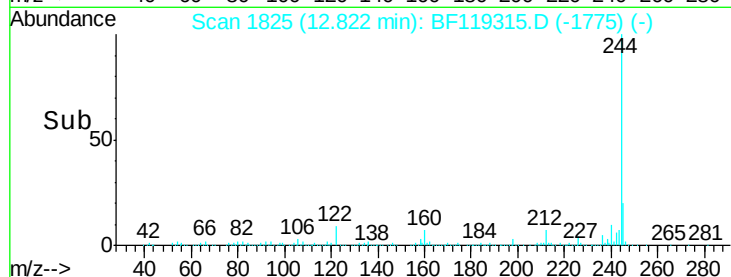
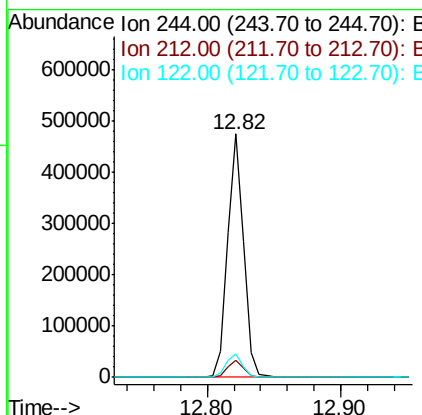
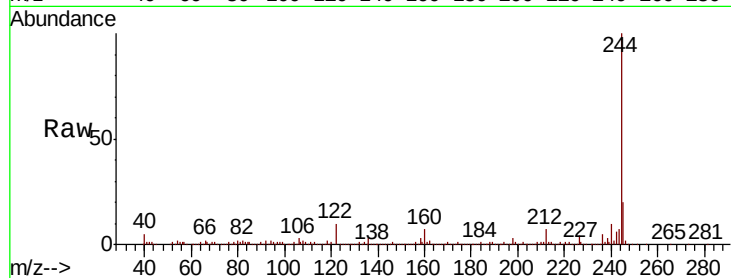
#79
 Terphenyl-d14
 Concen: 25.733 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF119315.D
 Acq: 10 Mar 2020 14:24

Instrument :
 BNA_F
 ClientSampleId :
 DN2

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.6	10.0
122	9.5	8.2	12.2

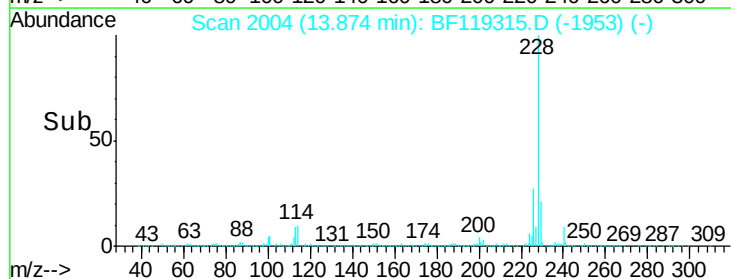
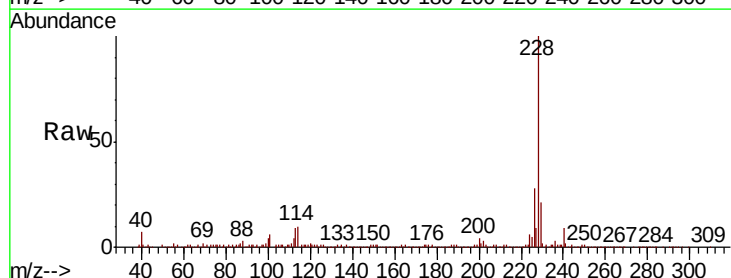
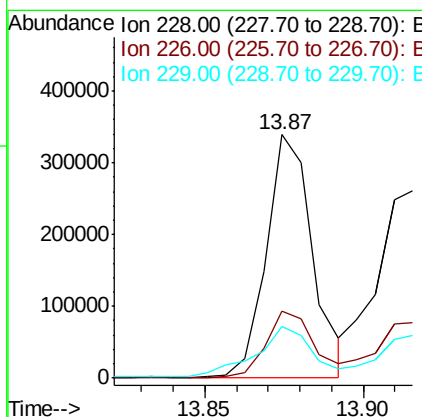
Manual Integrations
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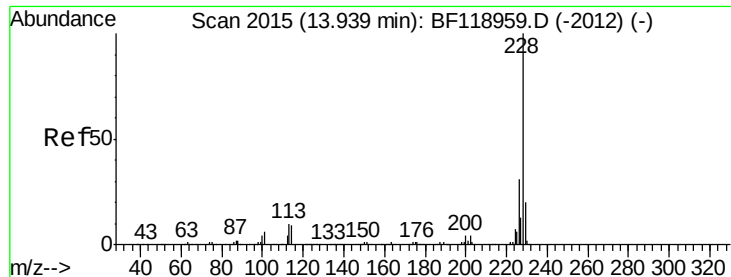
mohammad
 3/11/2020 4:57:51 PM



#81
 Benzo(a)anthracene
 Concen: 18.583 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. 0.00 min
 Lab File: BF119315.D
 Acq: 10 Mar 2020 14:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	33.8
229	21.0	16.6	24.8





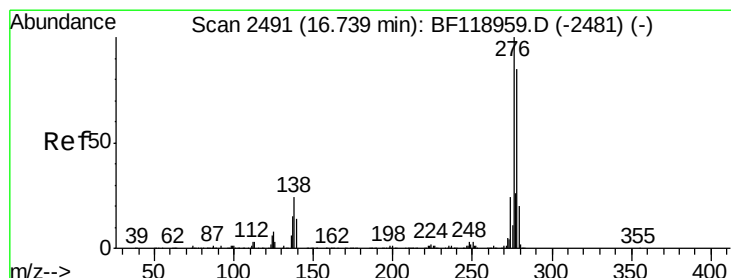
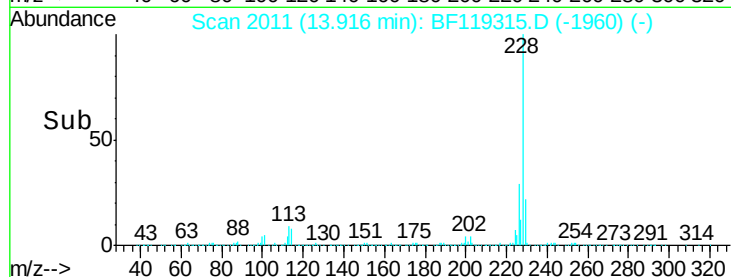
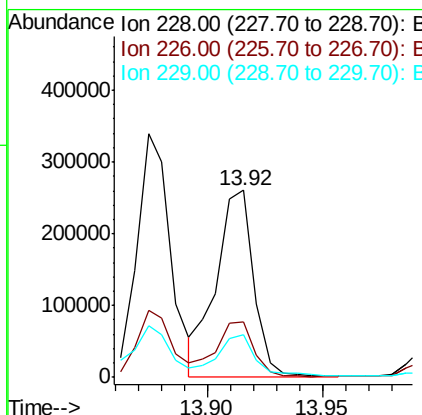
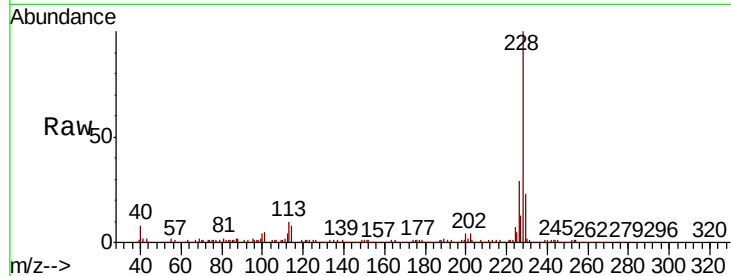
#83
Chrysene
Concen: 15.992 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.00 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Instrument :
BNA_F
ClientSampleId :
DN2

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.1	37.7
229	22.5	16.3	24.5

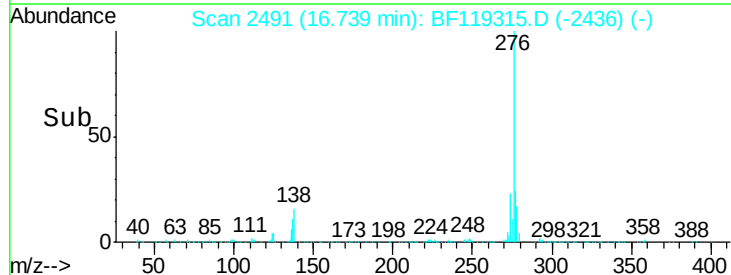
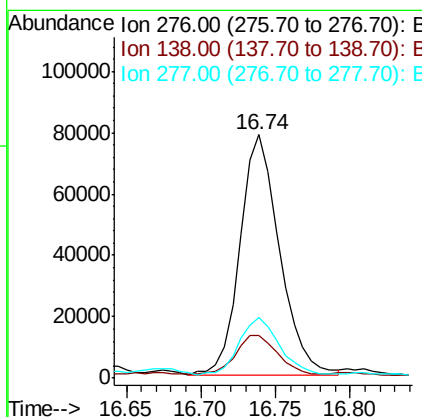
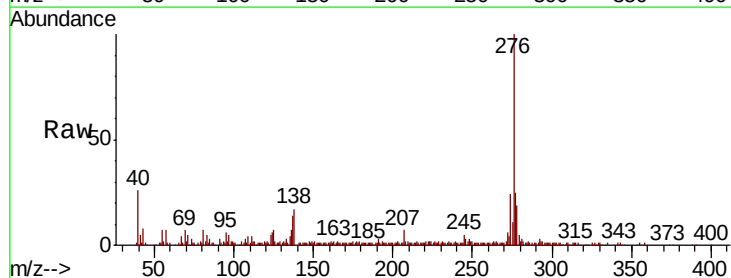
Manual Integrations
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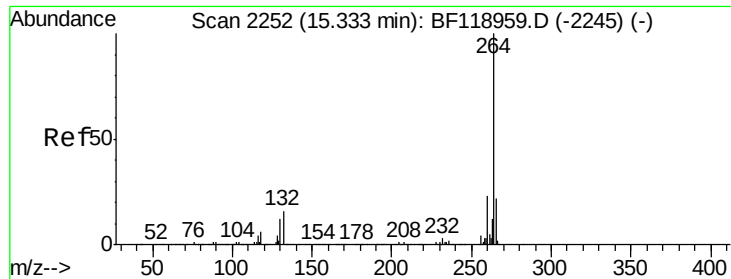
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 8.056 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.02 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.3	17.4	26.0
277	23.9	20.3	30.5





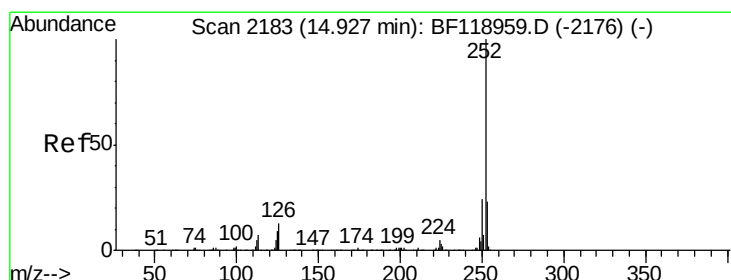
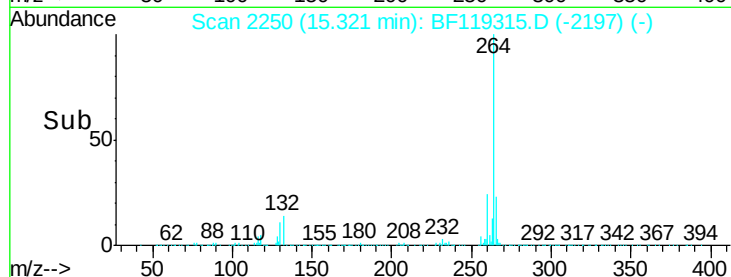
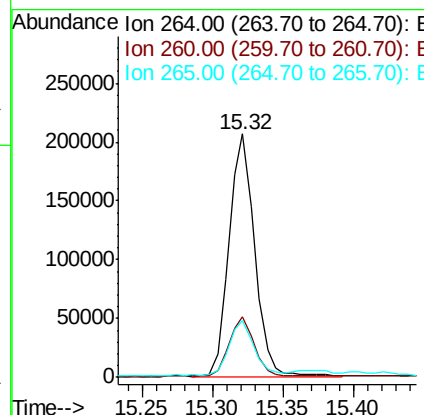
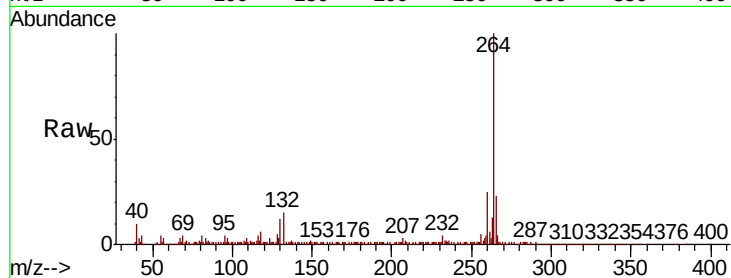
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.01 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Instrument :
BNA_F
ClientSampled :
DN2

Tot Ion	Ratio	Resp	Lower	Upper
264	100	260144		
260	24.7		19.4	29.2
265	23.2		17.7	26.5

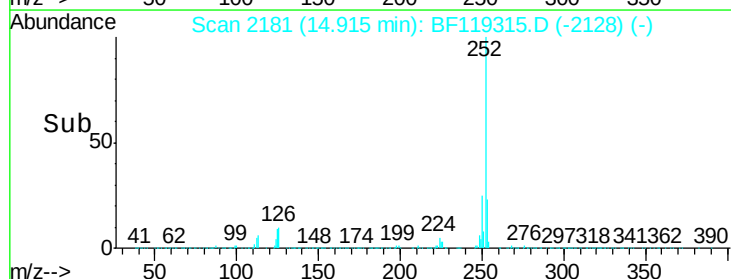
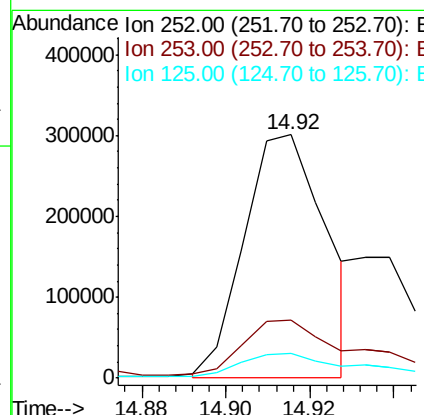
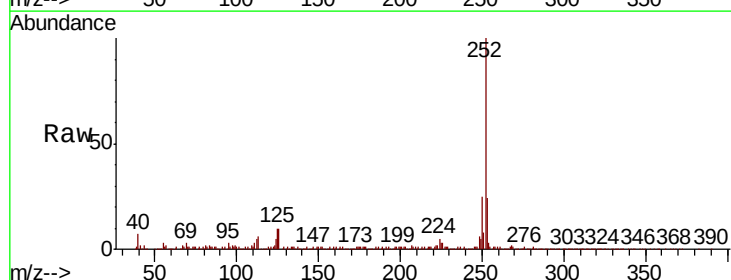
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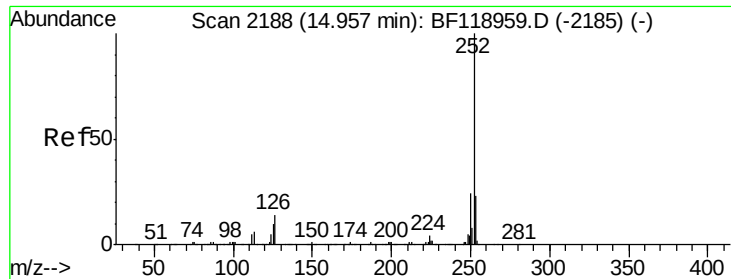
mohammad
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#88
Benzo(b)fluoranthene
Concen: 23.701 ng m
RT: 14.92 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	406408		
253	23.8		18.1	27.1
125	10.1		7.4	11.0





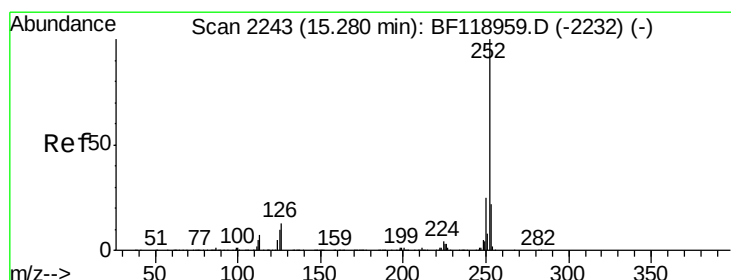
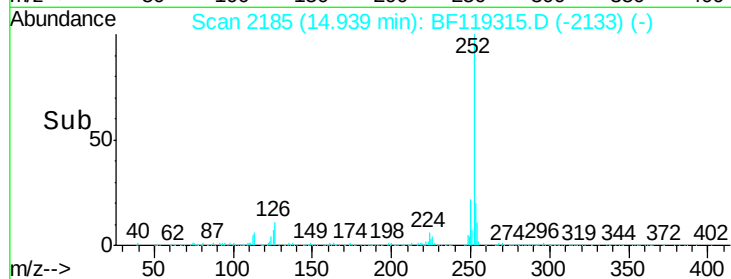
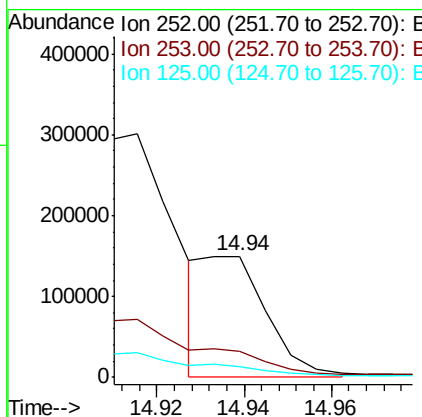
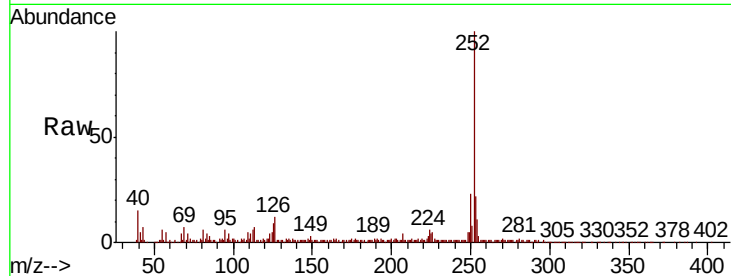
#89
Benzo(k)fluoranthene
Concen: 9.426 ng m
RT: 14.94 min Scan# 2185
Delta R.T. 0.01 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Instrument :
BNA_F
ClientSampleId :
DN2

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	8.9	7.5	11.3

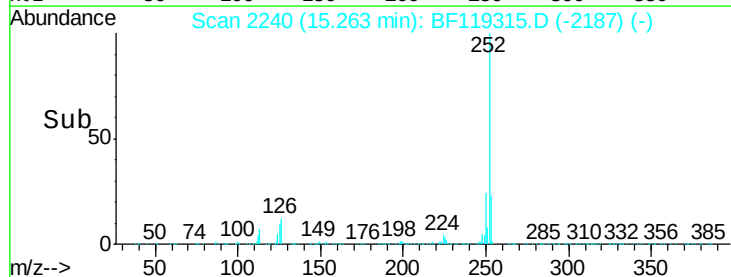
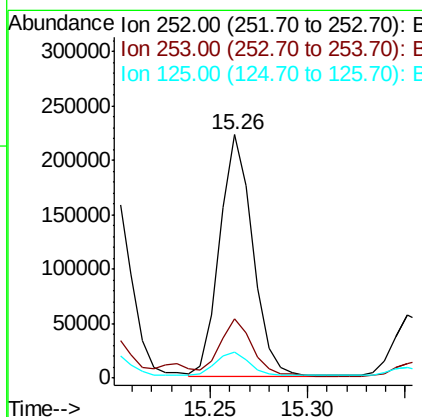
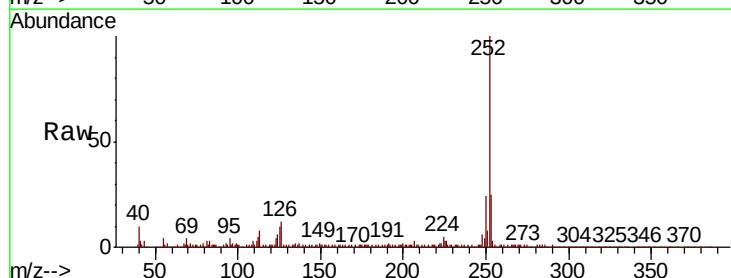
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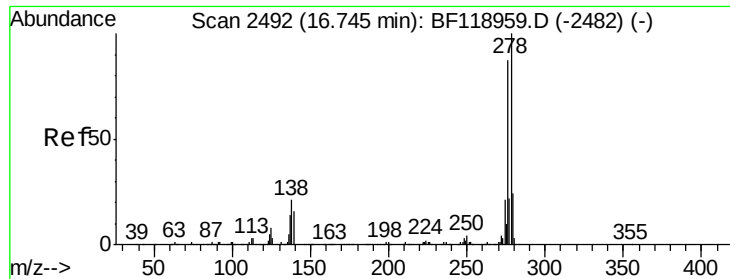
mohammad
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#90
Benzo(a)pyrene
Concen: 17.000 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.0	27.0
125	10.5	8.6	12.8





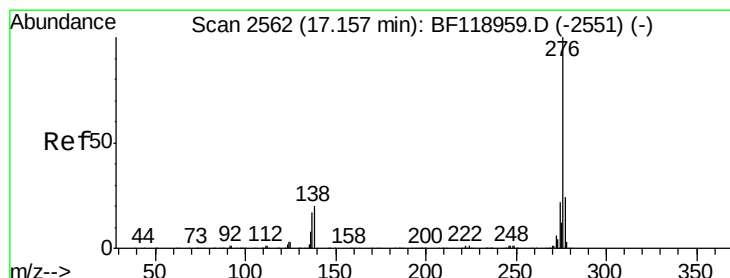
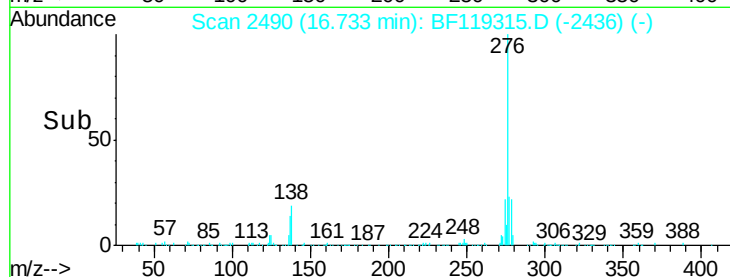
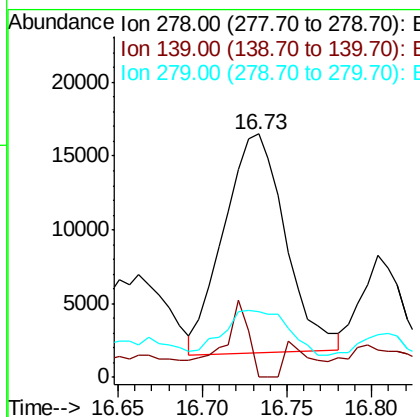
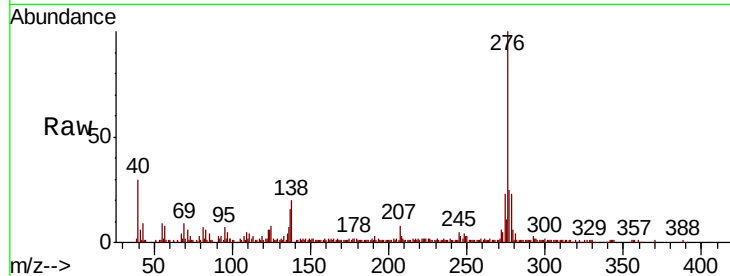
#91
Dibenzo(a,h)anthracene
Concen: 2.768 ng
RT: 16.73 min Scan# 2490
Delta R.T. 0.02 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Instrument :
BNA_F
ClientSampleId :
DN2

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.0	16.4#
279	26.9	18.6	28.0

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 9.739 ng
RT: 17.17 min Scan# 2564
Delta R.T. 0.03 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.7	28.1
138	18.1	14.3	21.5

