

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
 Data File : BF119617.D
 Acq On : 28 Mar 2020 15:24
 Operator : CG/JU
 Sample : L2040-04
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-06

Manual Integrations
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Quant Time: Mar 30 00:45:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 07:52:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	328662	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1231239	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	632627	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	1059867	20.00	ng	0.00
76) Chrysene-d12	14.00	240	484058	20.00	ng	-0.01
87) Perylene-d12	15.47	264	617113	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1962138	95.04	ng	0.00
7) Phenol-d6	6.46	99	2434236	92.30	ng	0.00
23) Nitrobenzene-d5	7.39	82	1566280	69.14	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	640447	98.13	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2801324	65.60	ng	0.00
79) Terphenyl-d14	12.95	244	1995288	80.76	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.59	163	274202	6.102	ng	Qvalue 100
52) Acenaphthene	9.91	154	494134	12.506	ng	99
55) Dibenzofuran	10.08	168	541240	9.554	ng	96
58) Fluorene	10.42	166	741830	17.708	ng	99
70) Pentachlorophenol	11.17	266	185854	25.657	ng	98
71) Phenanthrene	11.39	178	3465168	63.052	ng	98
72) Anthracene	11.44	178	656134	11.747	ng	97
73) Carbazole	11.59	167	146850	2.656	ng	98
75) Fluoranthene	12.58	202	2601908	43.747	ng	99
78) Pyrene	12.81	202	1967929	49.537	ng	99
81) Benzo(a)anthracene	13.99	228	575863	18.294	ng	97
83) Chrysene	14.03	228	493569	15.193	ng	96
86) Indeno(1,2,3-cd)pyrene	16.92	276	112297	3.670	ng	97
88) Benzo(b)fluoranthene	15.04	252	554227m	13.445	ng	
89) Benzo(k)fluoranthene	15.06	252	206184m	5.253	ng	
90) Benzo(a)pyrene	15.40	252	296138	7.905	ng	99
92) Benzo(a,h,i)perylene	17.36	276	87966	2.672	ng	# 94

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

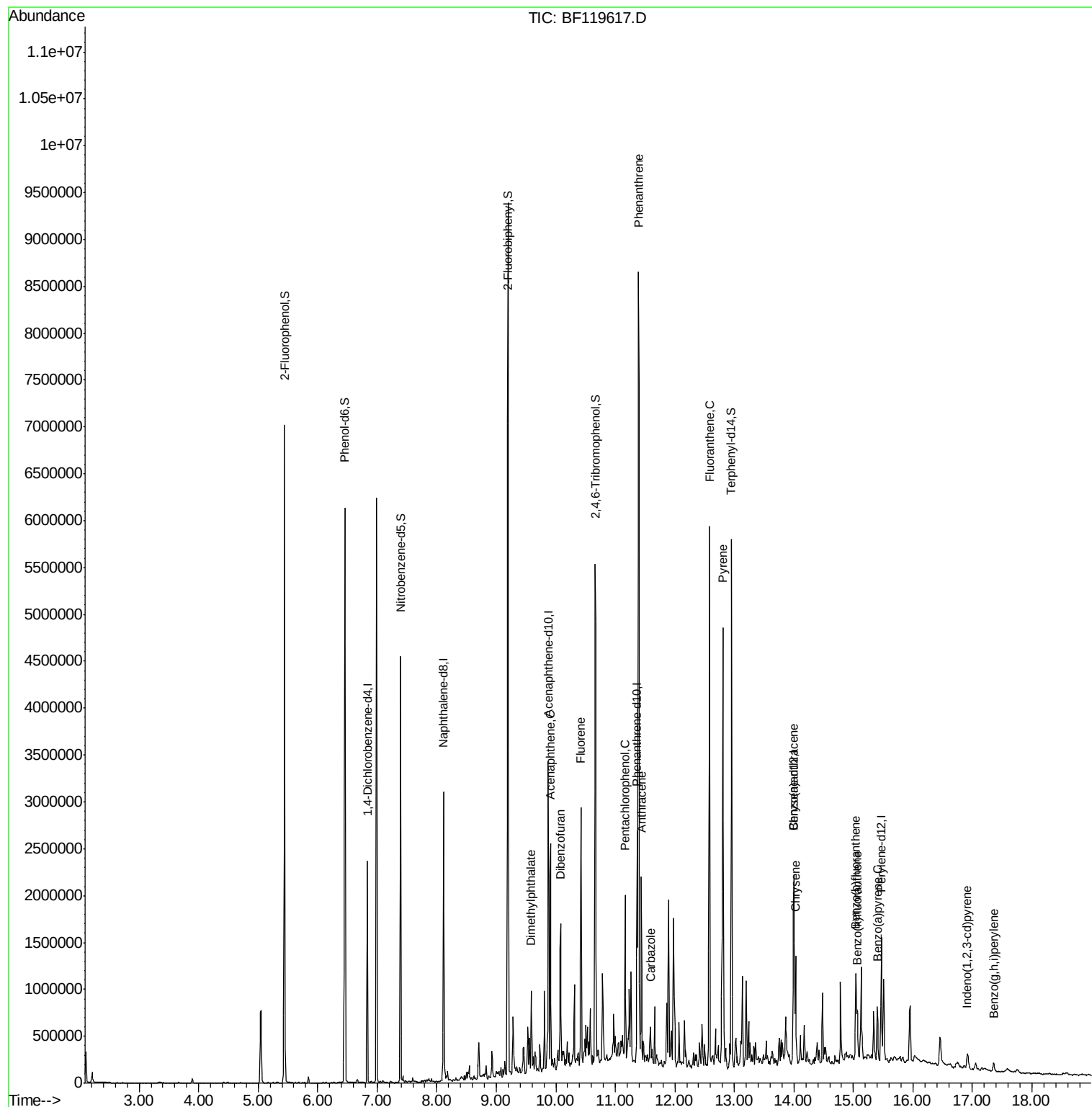
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119617.D
Acq On : 28 Mar 2020 15:24
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ALS Vial : 47 Sample Multiplier: 1

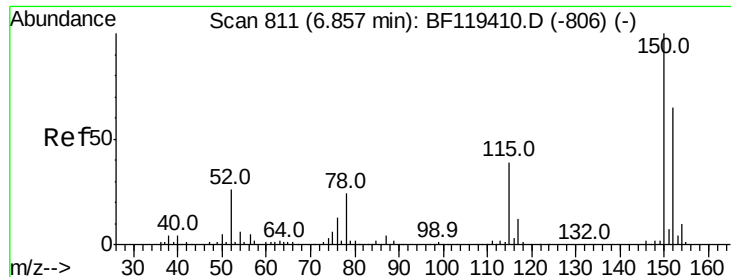
Instrument :
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ClientSampled :
RO-06

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#1

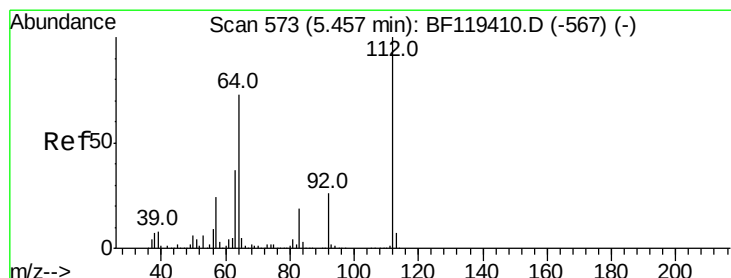
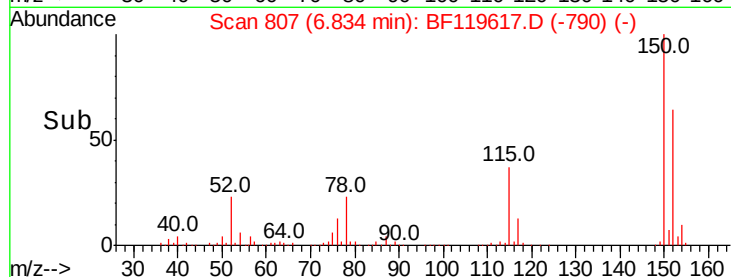
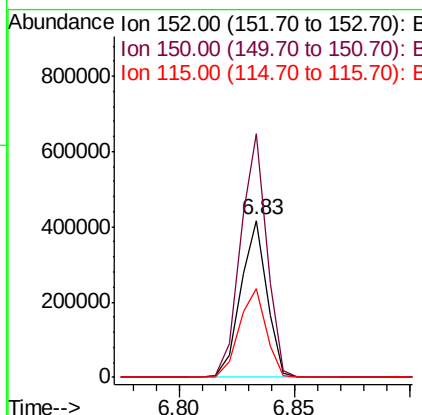
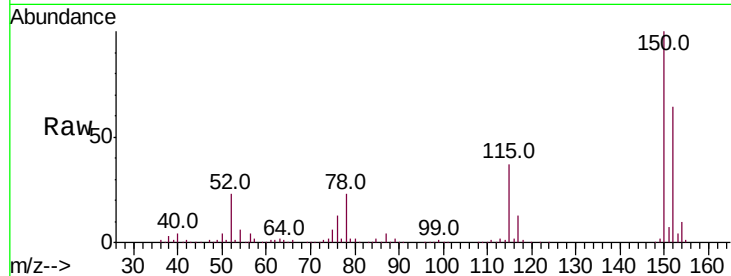
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF119617.D
Acq: 28 Mar 2020 15:24

Instrument :
BNA_F
ClientSampled :
RO-06

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.5	186.7
115	56.8	49.6	74.4

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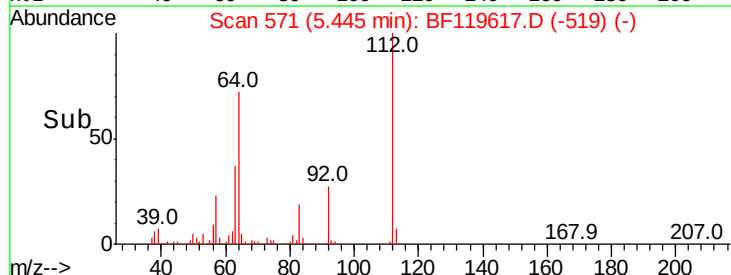
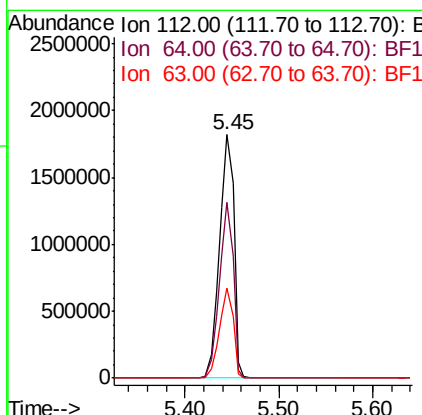
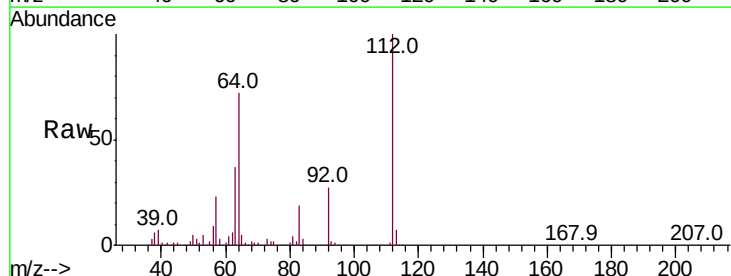
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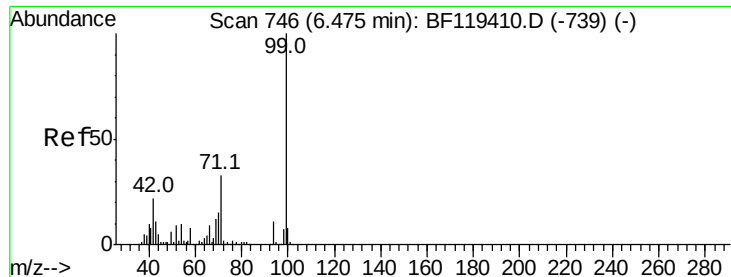


#5

2-Fluorophenol
Concen: 95.038 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF119617.D
Acq: 28 Mar 2020 15:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.4	56.7	85.1
63	37.1	29.5	44.3





#7

Phenol-d6

Concen: 92.298 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF119617.D

Acq: 28 Mar 2020 15:24

Instrument :

BNA_F

ClientSampled :

RO-06

Tot Ion: 99 Resp: 2434236

Ion Ratio Lower Upper

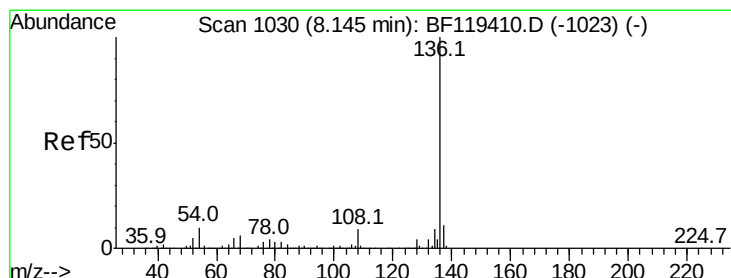
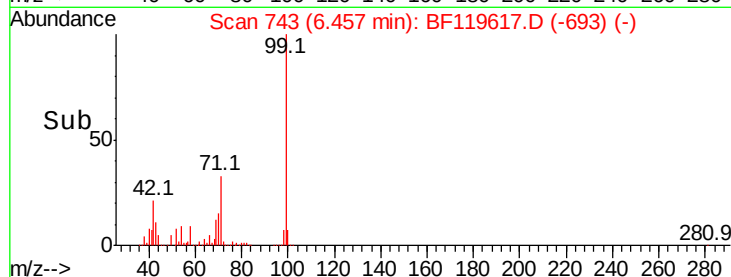
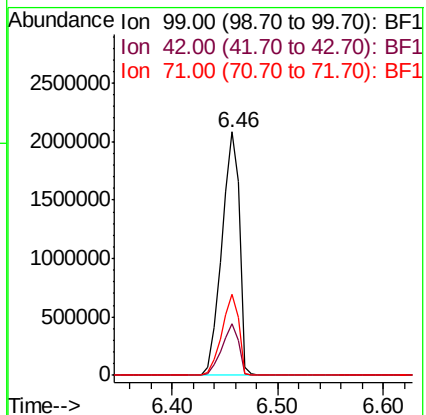
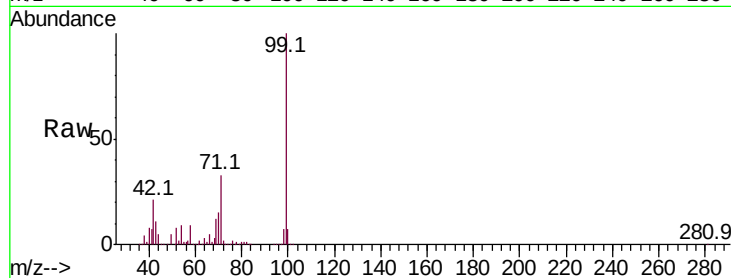
99 100

42 21.0 16.6 24.8

71 33.3 26.4 39.6

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF119617.D

Acq: 28 Mar 2020 15:24

Tgt Ion: 136 Resp: 1231239

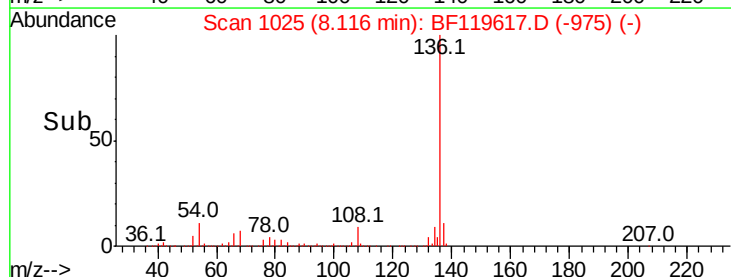
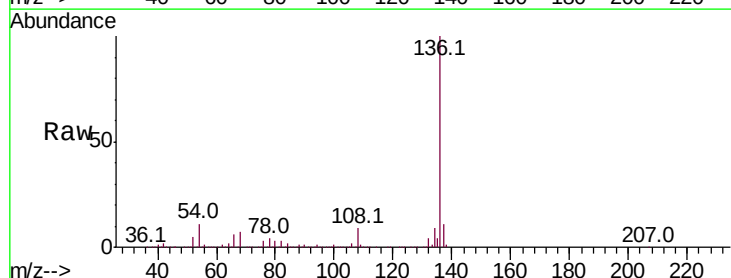
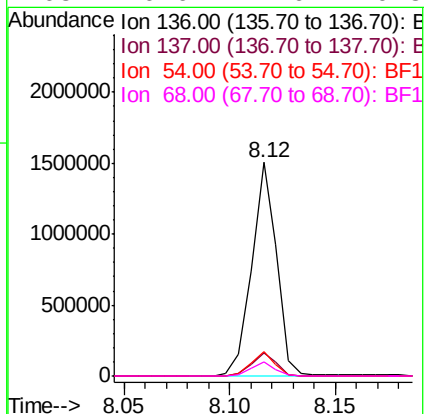
Ion Ratio Lower Upper

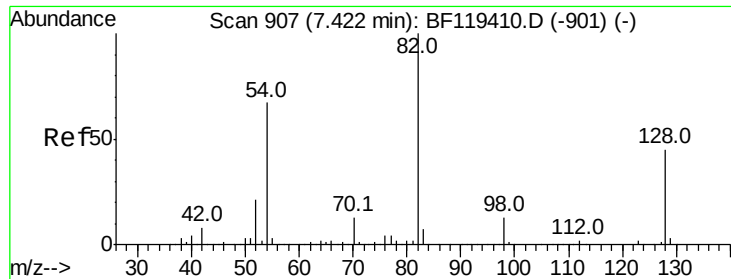
136 100

137 11.0 8.7 13.1

54 11.2 9.1 13.7

68 6.6 4.6 6.8





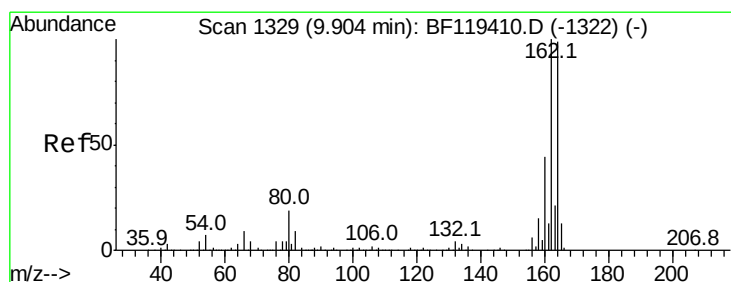
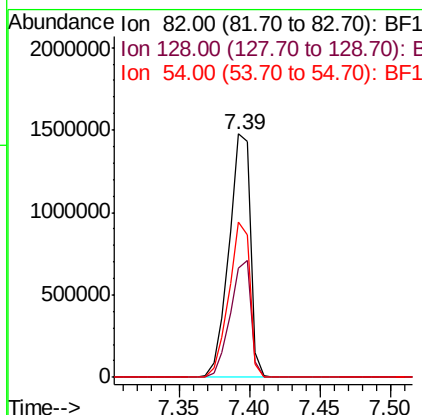
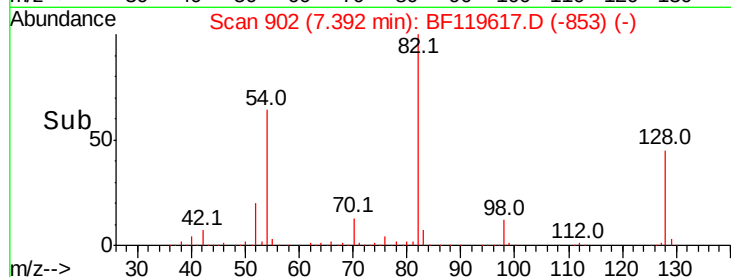
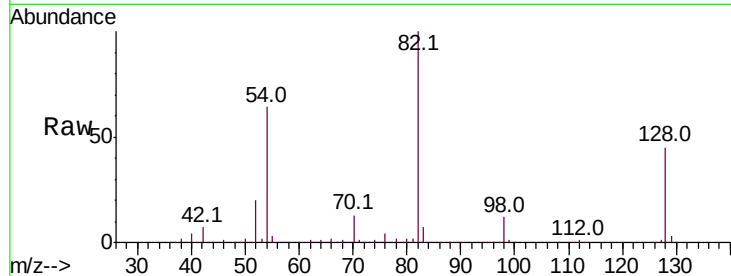
#23
Nitrobenzene-d5
Concen: 69.137 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF119617.D
Acq: 28 Mar 2020 15:24

Instrument :
BNA_F
ClientSampleId :
RO-06

Tot Ion: 82 Resp: 1566280
Ion Ratio Lower Upper
82 100
128 45.1 36.3 54.5
54 63.6 50.6 75.8

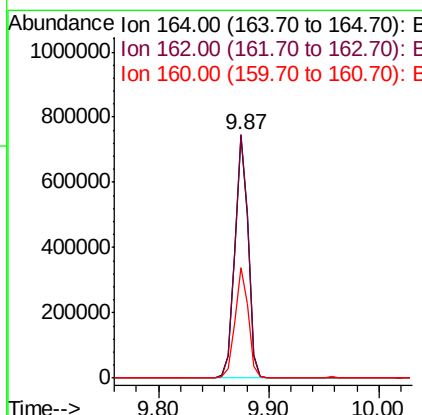
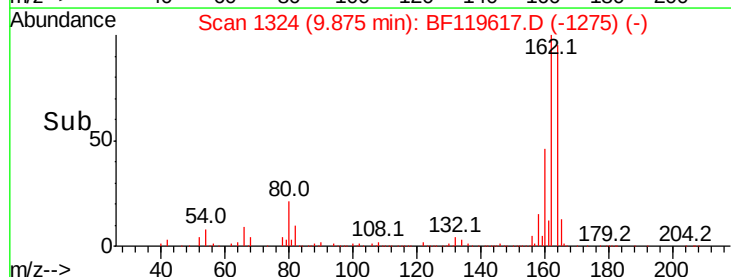
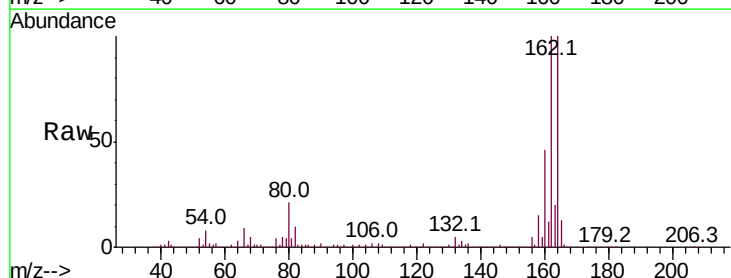
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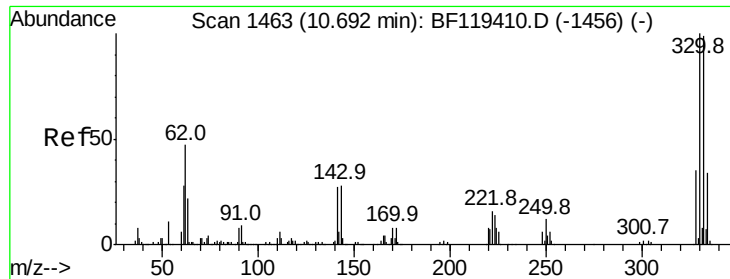
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF119617.D
Acq: 28 Mar 2020 15:24

Tgt Ion: 164 Resp: 632627
Ion Ratio Lower Upper
164 100
162 100.2 80.6 121.0
160 45.6 35.7 53.5





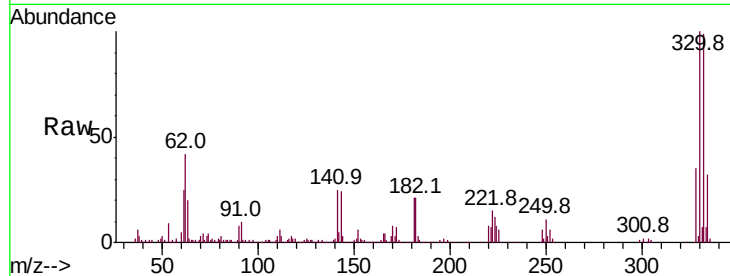
#42
 2,4,6-Tribromophenol
 Concen: 98.129 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF119617.D
 Acq: 28 Mar 2020 15:24

Instrument :
 BNA_F
 ClientSampled :
 RO-06

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	75.7	113.5
141	31.4	25.4	38.0

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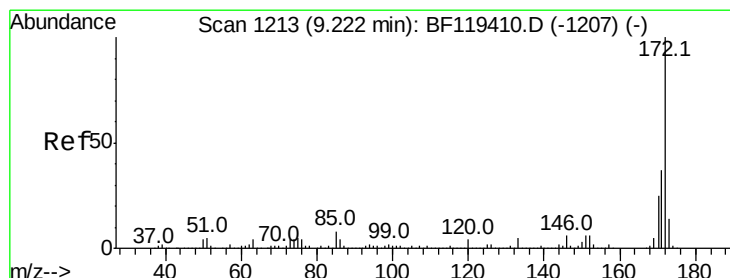
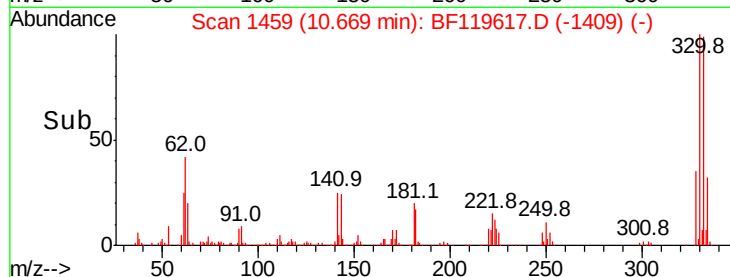
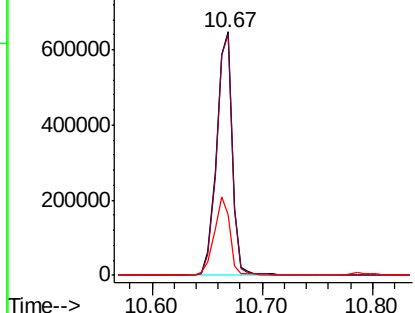


Abundance

Ion 329.80 (329.50 to 330.50): E

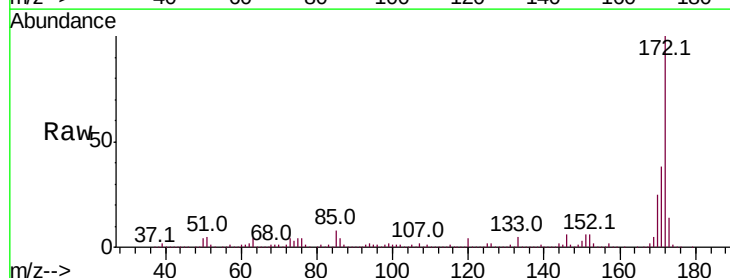
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 65.601 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF119617.D
 Acq: 28 Mar 2020 15:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.6	44.4
170	24.9	20.2	30.2

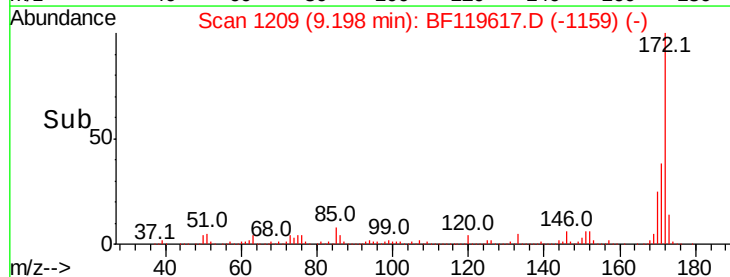
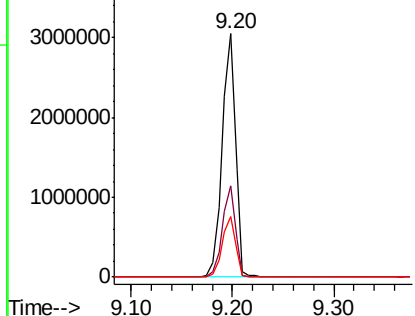


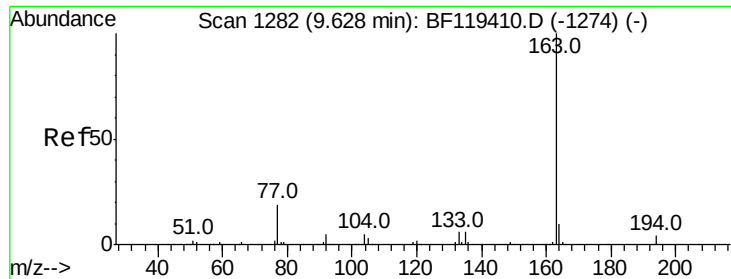
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





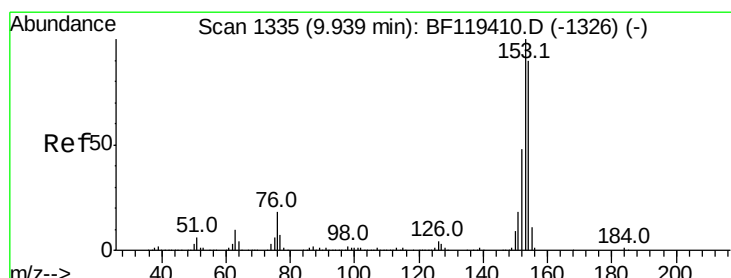
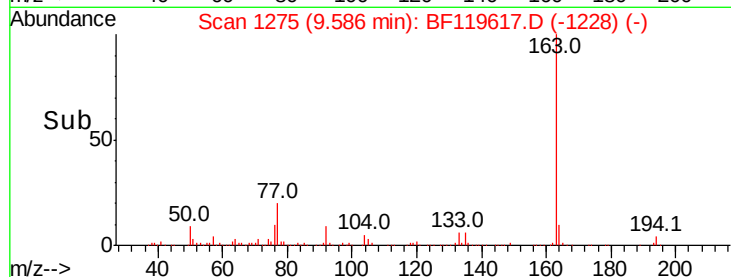
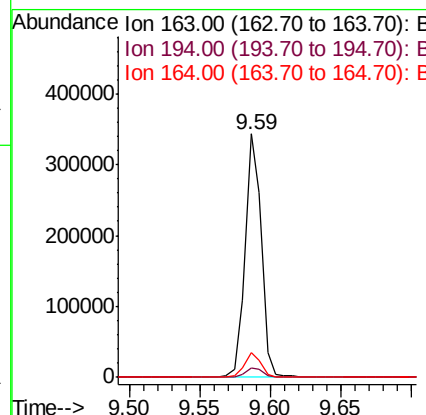
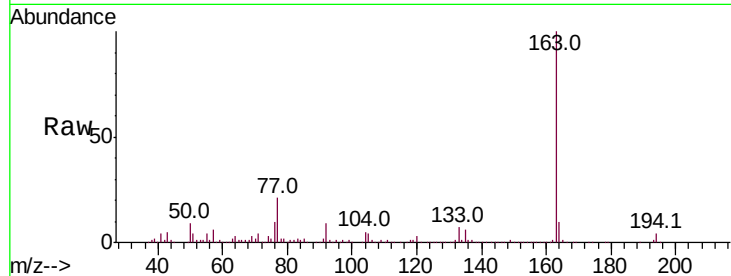
#50
Dimethylphthalate
Concen: 6.102 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF119617.D
Acq: 28 Mar 2020 15:24

Instrument :
BNA_F
ClientSampleId :
RO-06

Tot Ion	Ratio	Resp	Lower	Upper
163	100	274202		
194	3.7		3.1	4.7
164	10.2		8.2	12.2

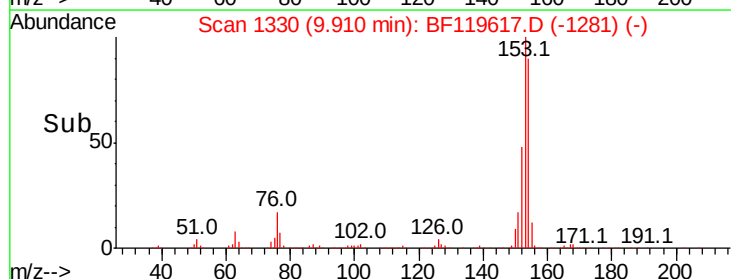
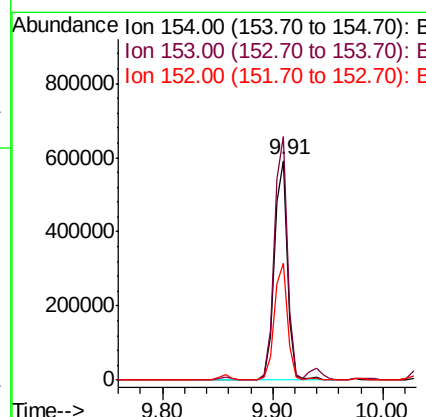
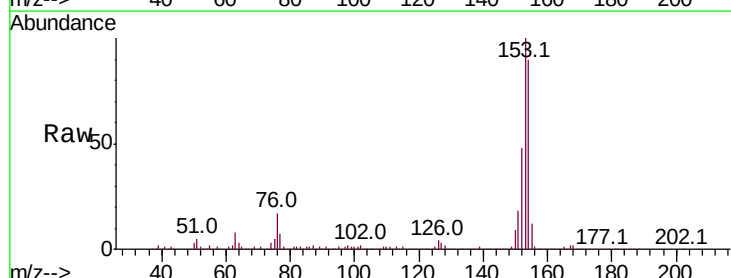
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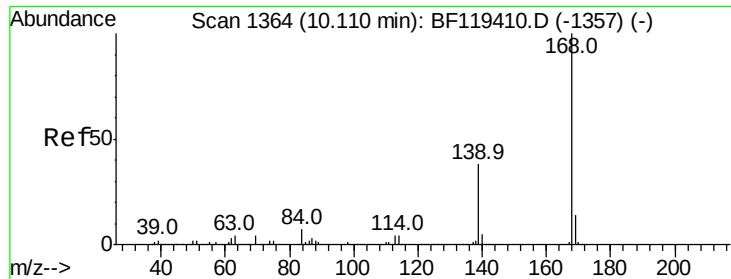
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#52
Acenaphthene
Concen: 12.506 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF119617.D
Acq: 28 Mar 2020 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	494134		
153	110.8		88.1	132.1
152	53.2		43.0	64.4





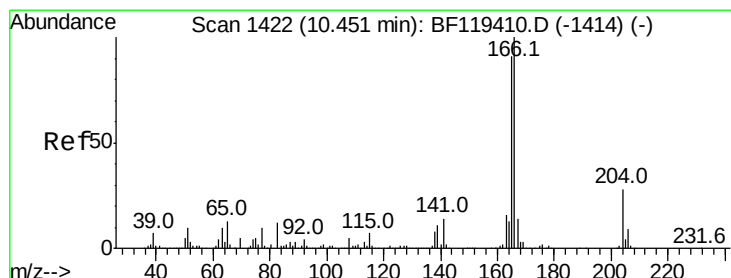
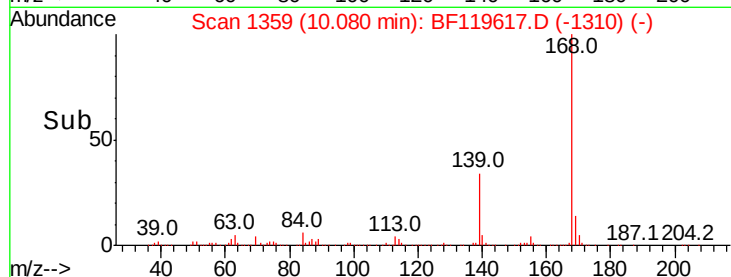
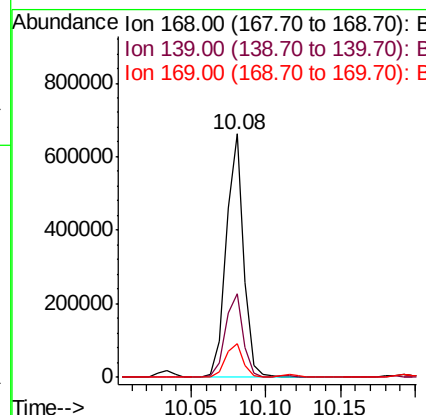
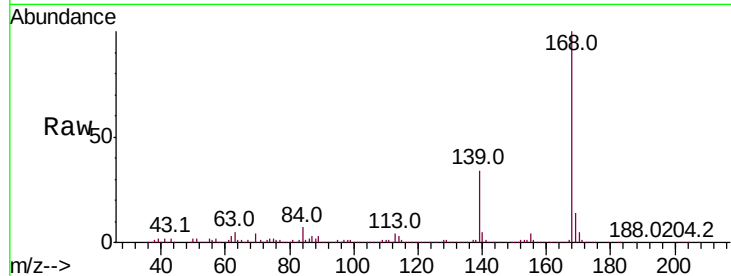
#55
Dibenzofuran
Concen: 9.554 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF119617.D
Acq: 28 Mar 2020 15:24

Instrument :
BNA_F
ClientSampleId :
RO-06

Tot Ion	Ratio	Lower	Upper
168	100		
139	34.4	30.1	45.1
169	13.9	11.0	16.6

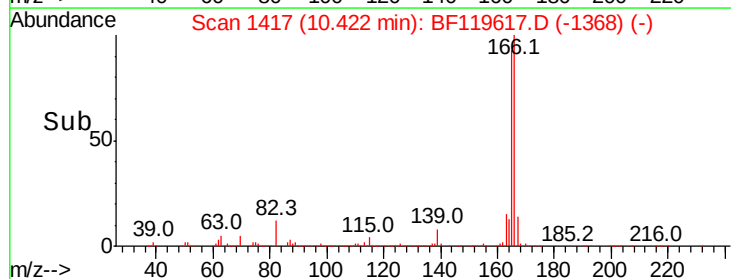
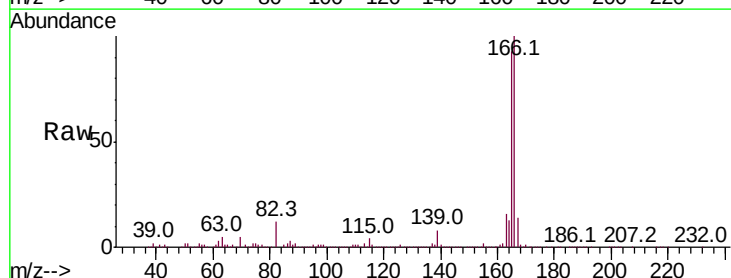
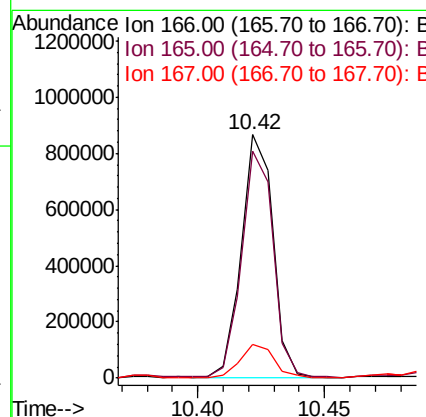
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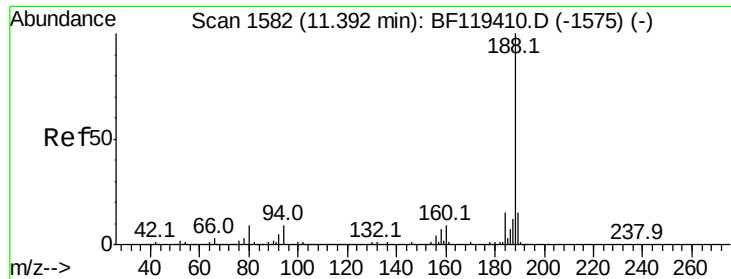
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#58
Fluorene
Concen: 17.708 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF119617.D
Acq: 28 Mar 2020 15:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.2	75.4	113.2
167	14.0	11.2	16.8





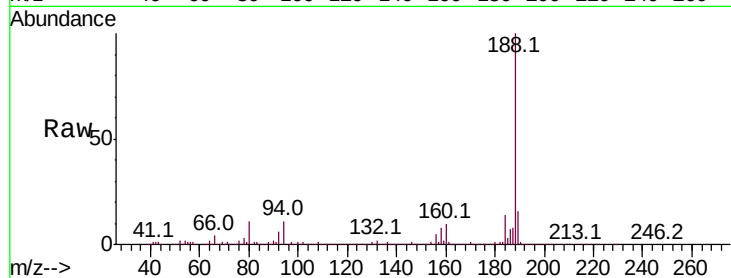
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF119617.D
Acq: 28 Mar 2020 15:24

Instrument :
BNA_F
ClientSampled :
RO-06

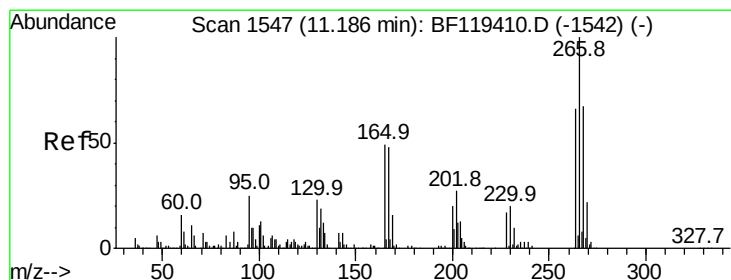
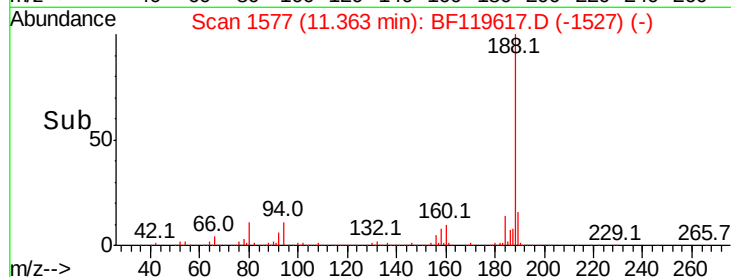
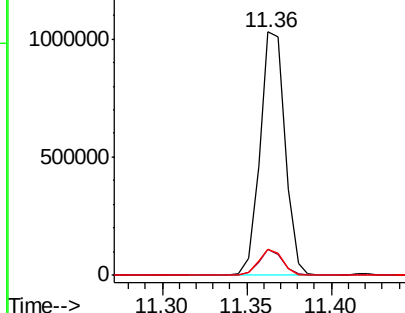
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.8	7.5	11.3
80	10.7	9.0	13.4

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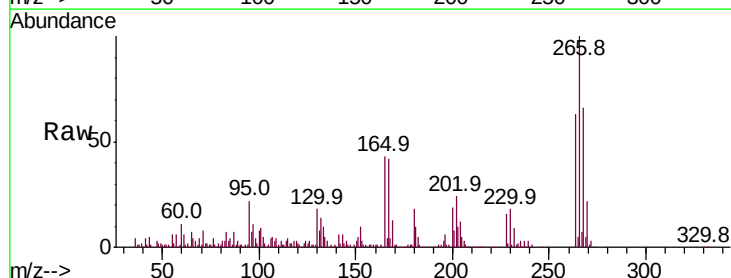


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

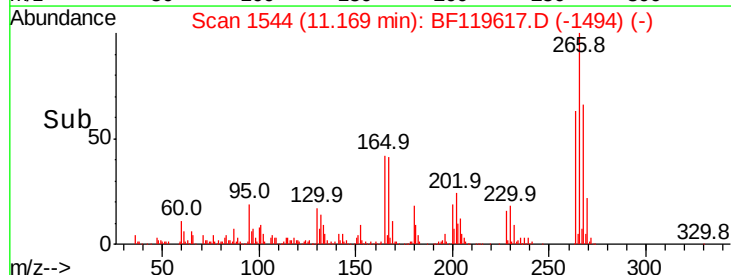
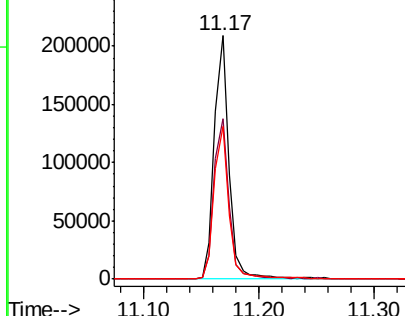


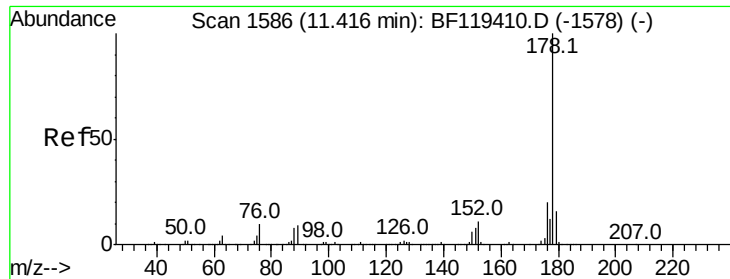
#70
Pentachlorophenol
Concen: 25.657 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.01 min
Lab File: BF119617.D
Acq: 28 Mar 2020 15:24

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.7	53.3	79.9
264	62.7	49.0	73.4



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





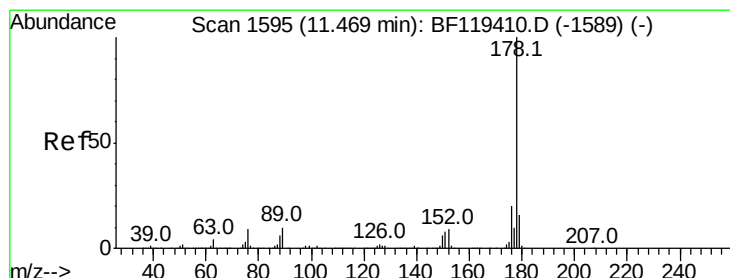
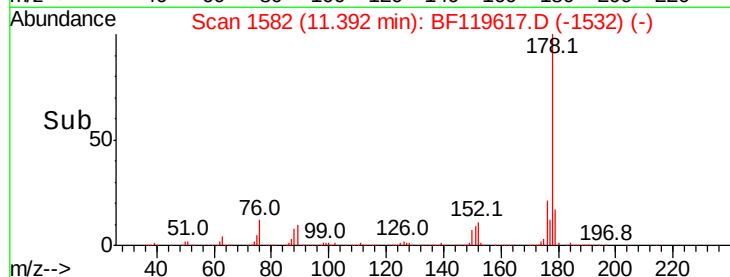
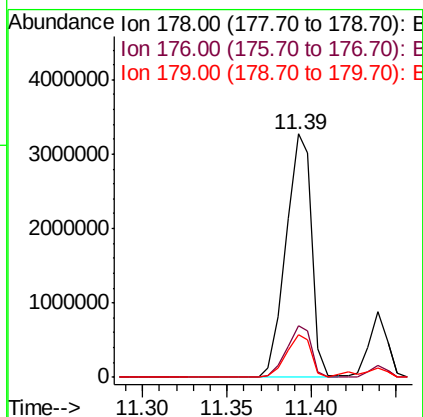
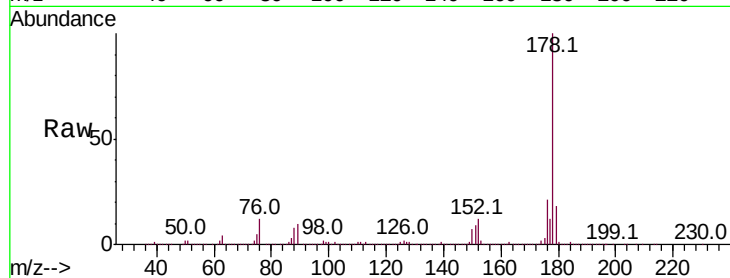
#71
Phenanthrene
Concen: 63.052 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF119617.D
Acq: 28 Mar 2020 15:24

Instrument :
BNA_F
ClientSampleId :
RO-06

Tot Ion:178 Resp: 3465168
Ion Ratio Lower Upper
178 100
176 21.3 16.2 24.4
179 17.5 13.2 19.8

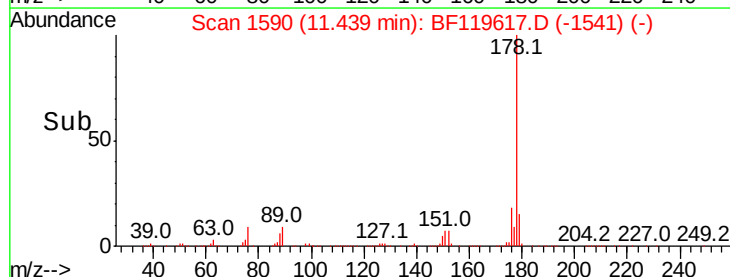
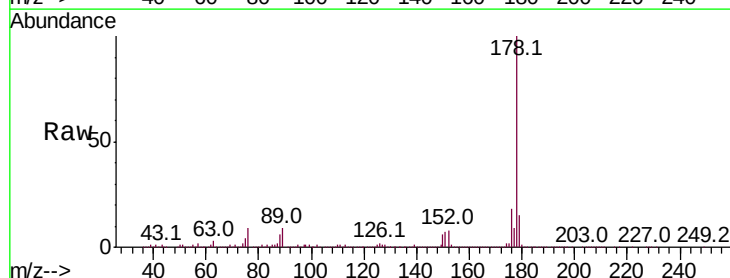
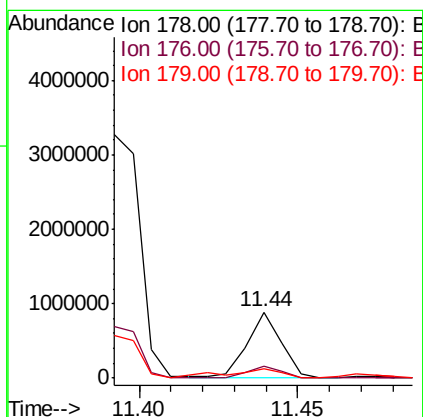
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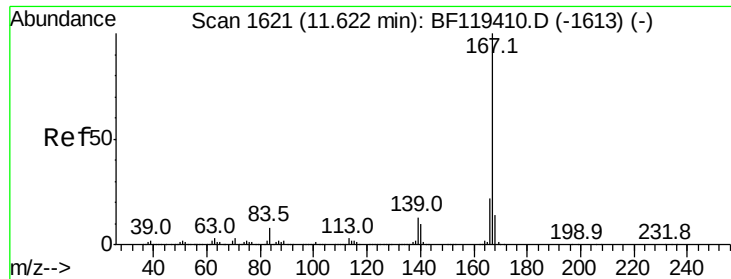
mohammad
3/31/2020 8:14:32 AM



#72
Anthracene
Concen: 11.747 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF119617.D
Acq: 28 Mar 2020 15:24

Tgt Ion:178 Resp: 656134
Ion Ratio Lower Upper
178 100
176 18.3 16.1 24.1
179 15.2 13.0 19.4





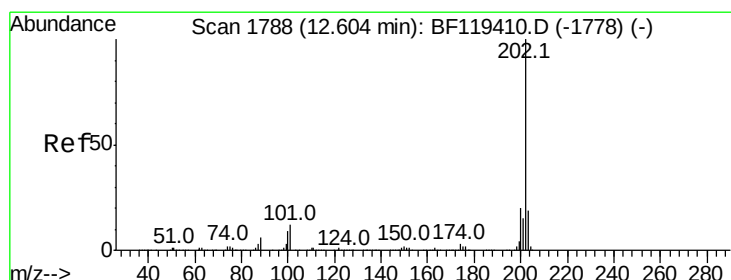
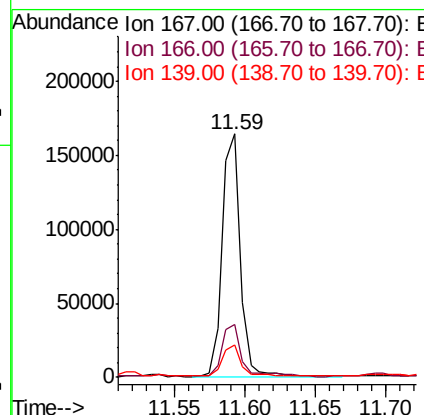
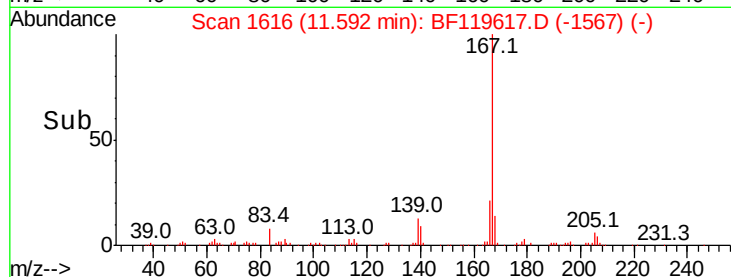
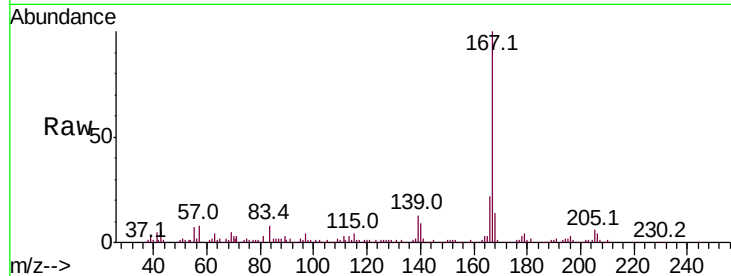
#73
 Carbazole
 Concen: 2.656 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF119617.D
 Acq: 28 Mar 2020 15:24

Instrument :
 BNA_F
 ClientSampleId :
 RO-06

Tot Ion:	167	Resp:	146850
Ion Ratio	Lower	Upper	
167	100		
166	21.8	18.2	27.4
139	13.1	10.7	16.1

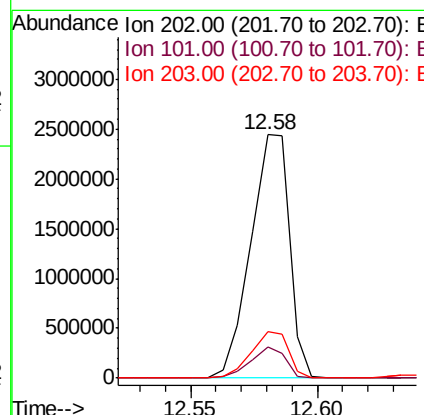
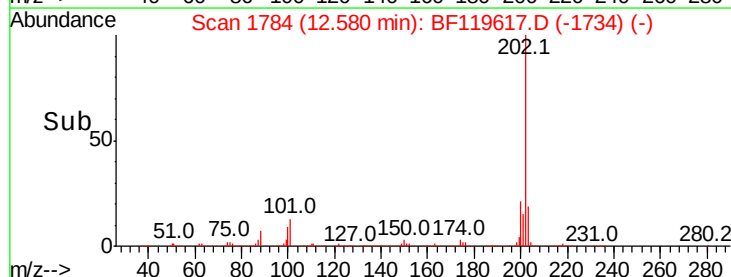
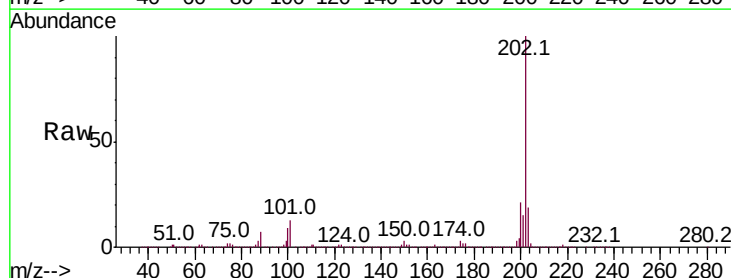
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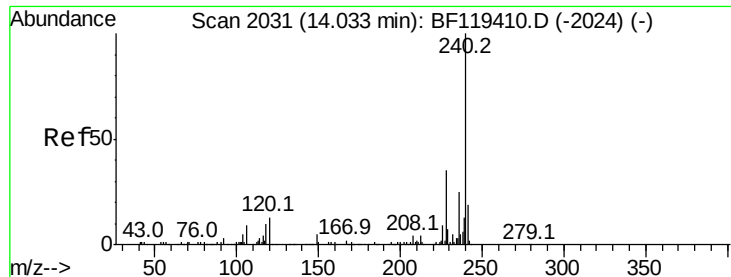
mohammad
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#75
 Fluoranthene
 Concen: 43.747 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: BF119617.D
 Acq: 28 Mar 2020 15:24

Tgt Ion:	202	Resp:	2601908
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	32.2
203	19.0	0.0	38.8





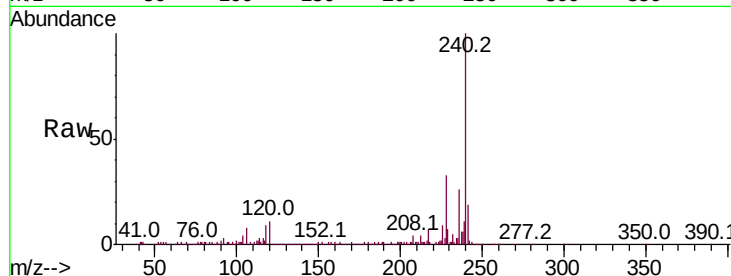
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF119617.D
Acq: 28 Mar 2020 15:24

Instrument :
BNA_F
ClientSampleId :
RO-06

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.4	10.6	15.8
236	25.9	20.2	30.2

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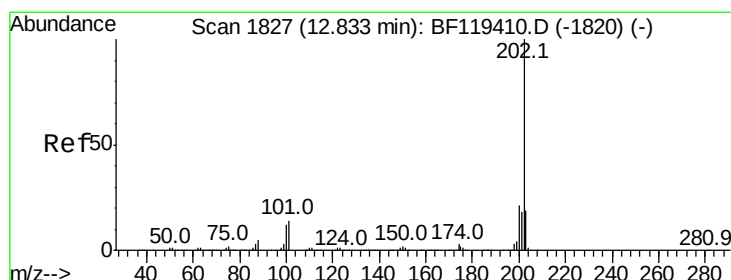
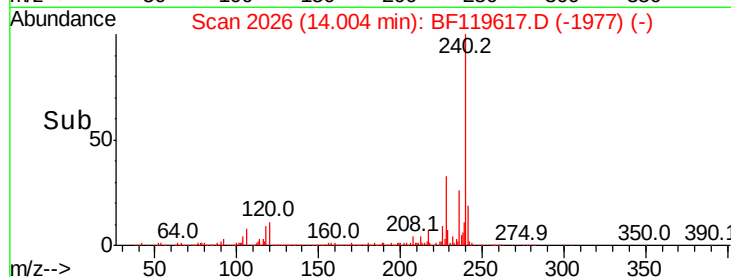
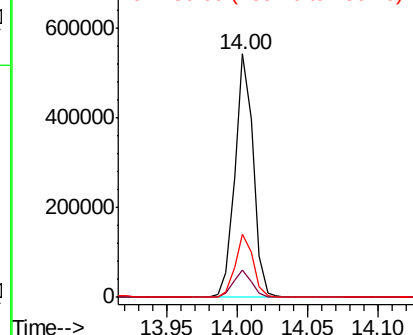


Abundance

Ion 240.00 (239.70 to 240.70): E

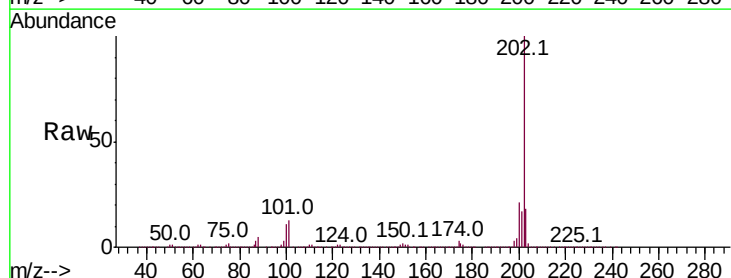
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 49.537 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF119617.D
Acq: 28 Mar 2020 15:24

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.8	25.2
203	18.2	15.1	22.7

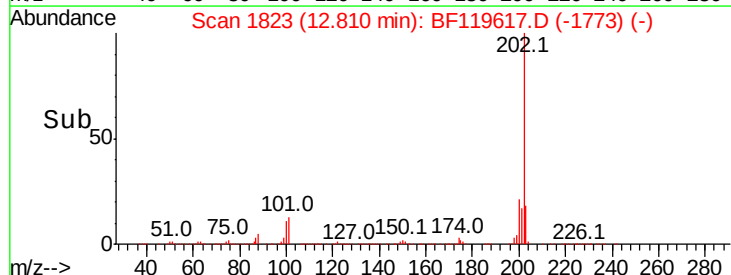
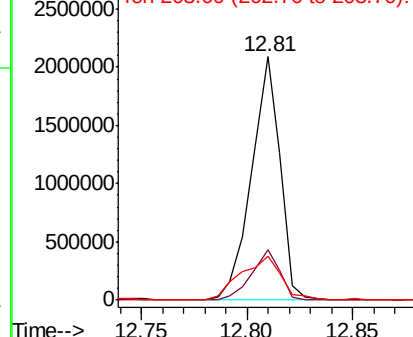


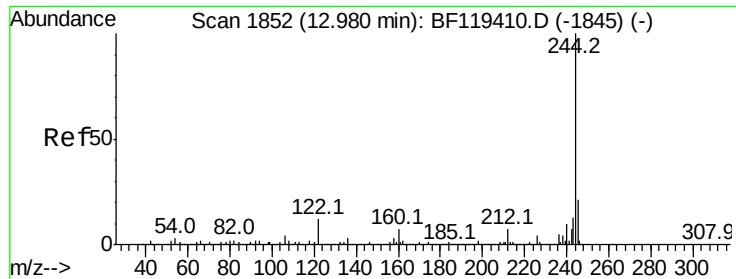
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





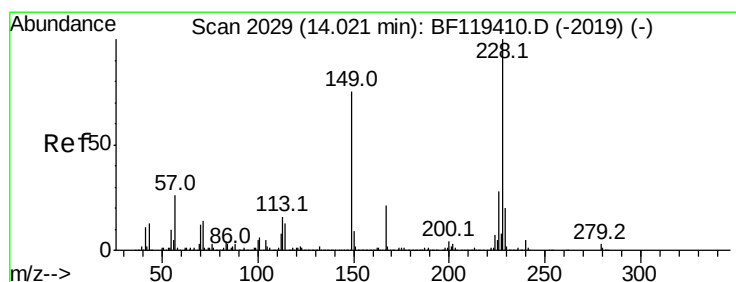
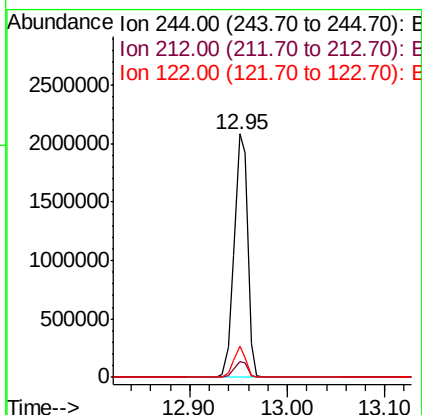
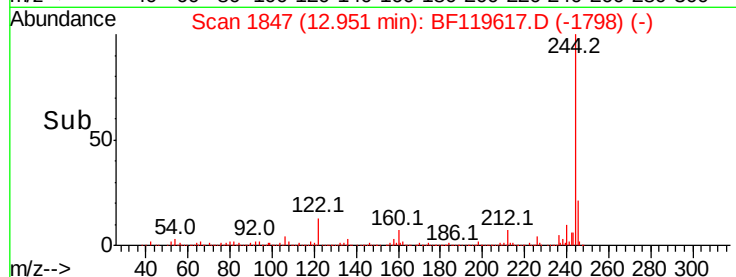
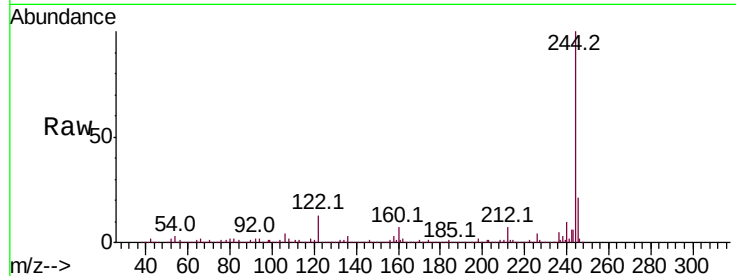
#79
 Terphenyl-d14
 Concen: 80.759 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF119617.D
 Acq: 28 Mar 2020 15:24

Instrument :
 BNA_F
 ClientSampled :
 RO-06

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.8
122	12.6	10.3	15.5

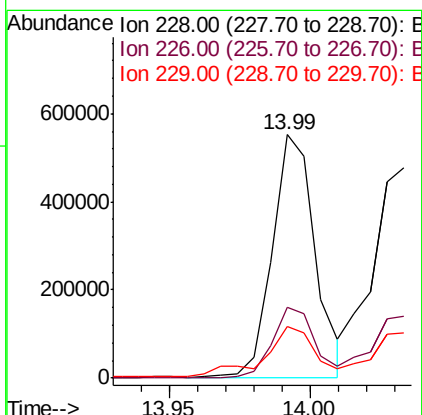
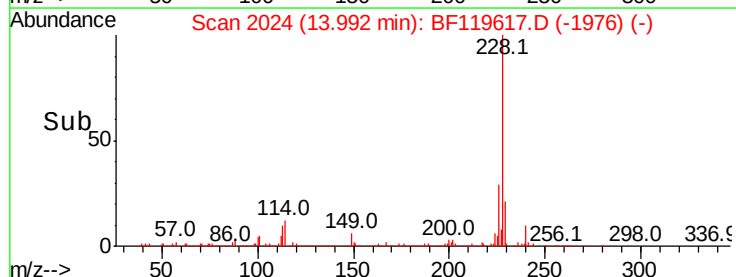
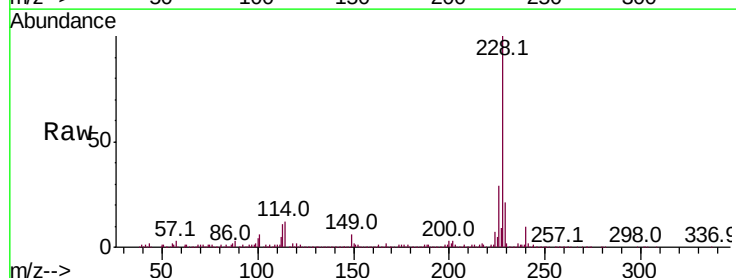
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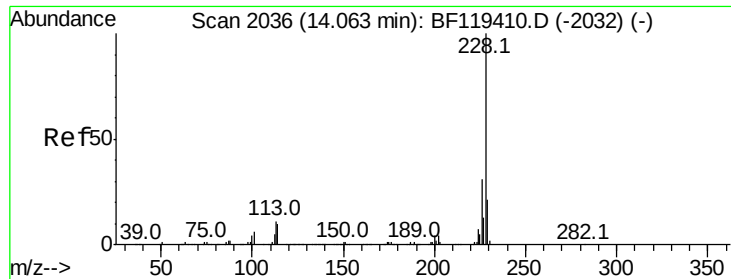
mohammad
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#81
 Benzo(a)anthracene
 Concen: 18.294 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.02 min
 Lab File: BF119617.D
 Acq: 28 Mar 2020 15:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.8	32.8
229	21.4	16.2	24.4





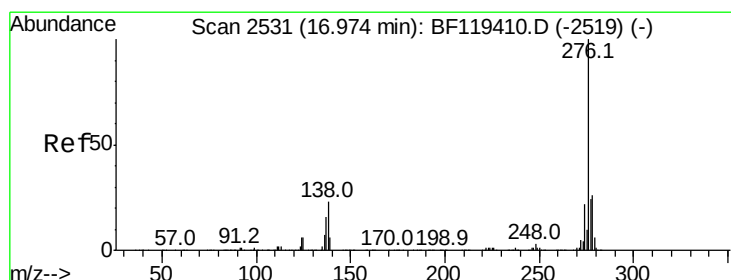
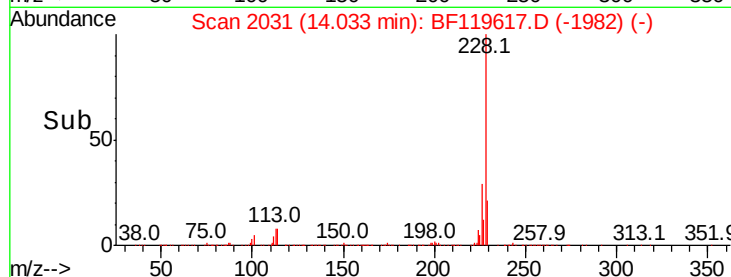
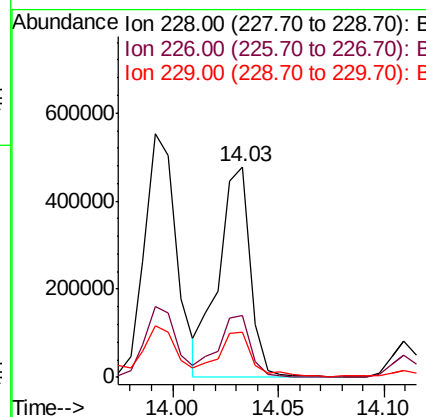
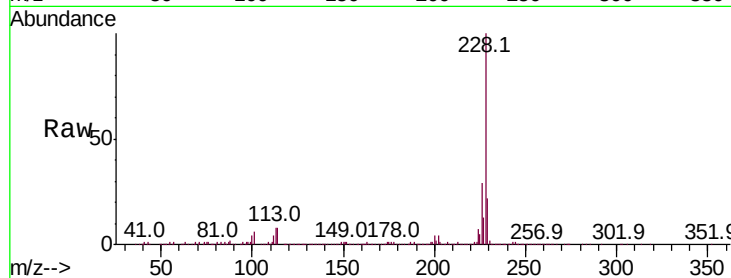
#83
 Chrysene
 Concen: 15.193 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF119617.D
 Acq: 28 Mar 2020 15:24

Instrument :
 BNA_F
 ClientSampleId :
 RO-06

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.4	38.0
229	21.8	16.6	24.8

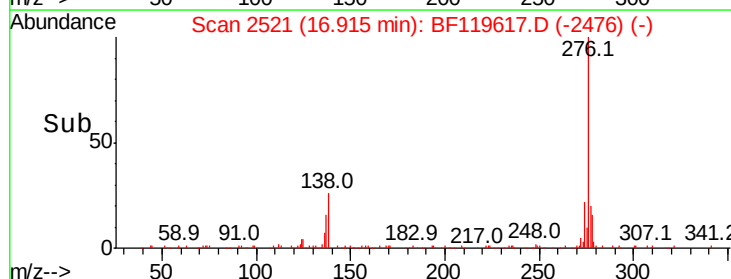
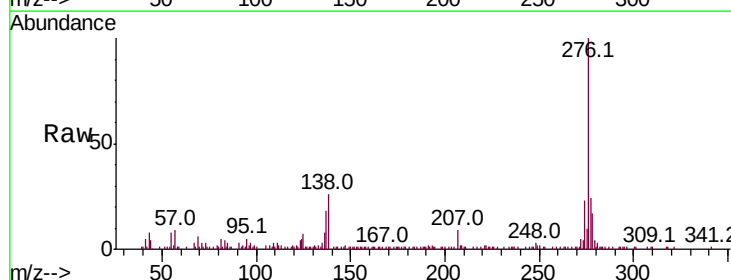
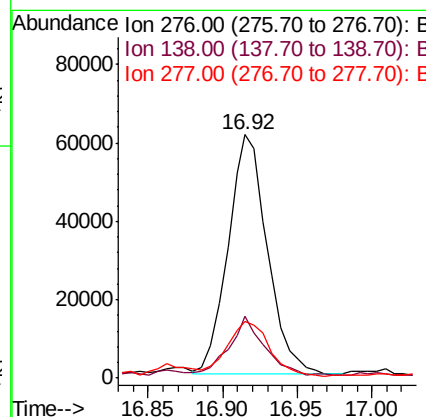
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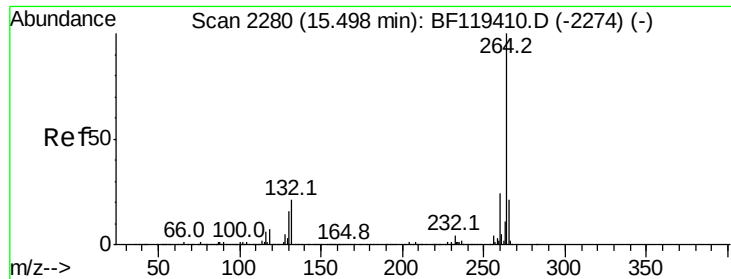
mohammad
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#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.670 ng
 RT: 16.92 min Scan# 2521
 Delta R.T. -0.04 min
 Lab File: BF119617.D
 Acq: 28 Mar 2020 15:24

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.2	19.6	29.4
277	24.8	20.0	30.0





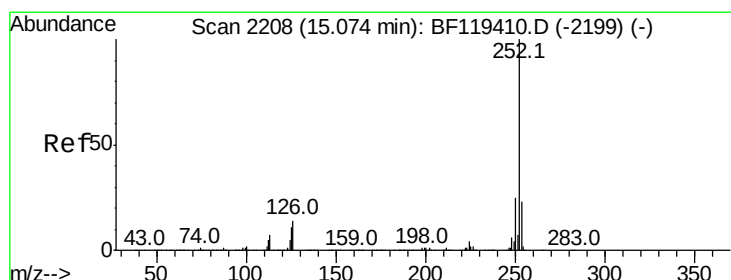
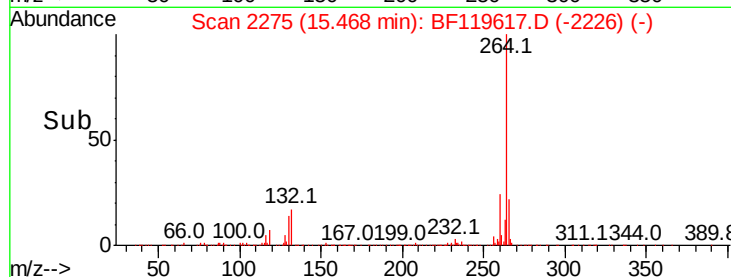
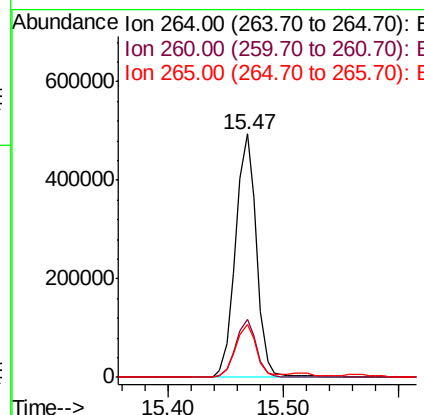
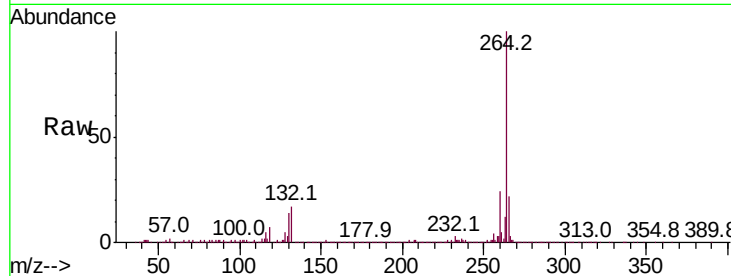
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF119617.D
Acq: 28 Mar 2020 15:24

Instrument :
BNA_F
ClientSampleId :
RO-06

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	22.0	17.7	26.5

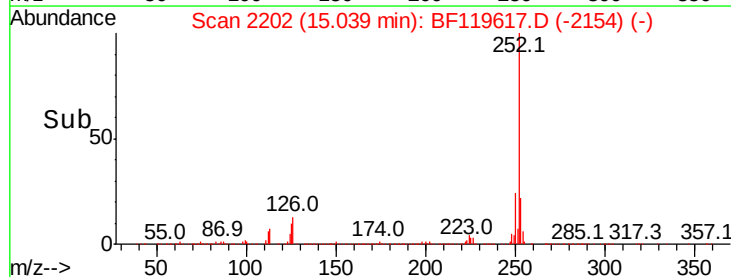
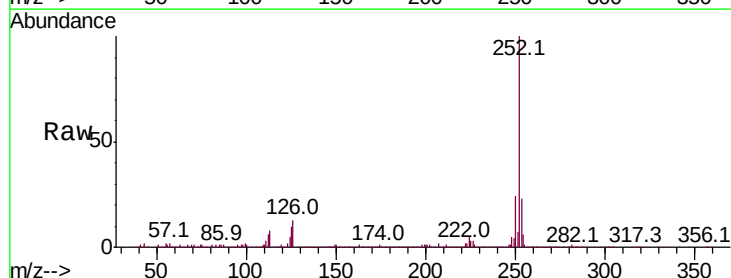
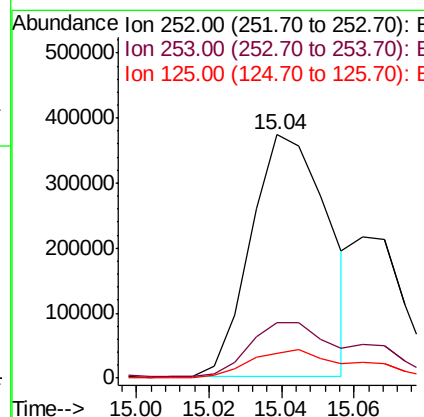
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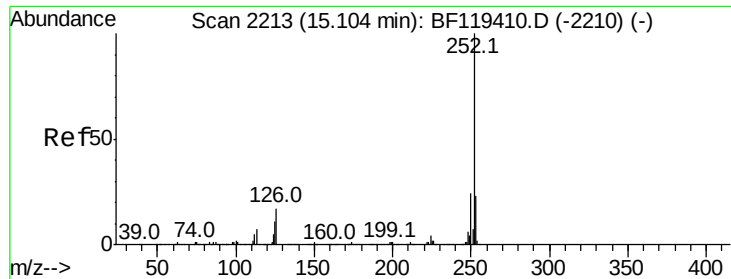
mohammad
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#88
Benzo(b)fluoranthene
Concen: 13.445 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF119617.D
Acq: 28 Mar 2020 15:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	10.4	7.9	11.9





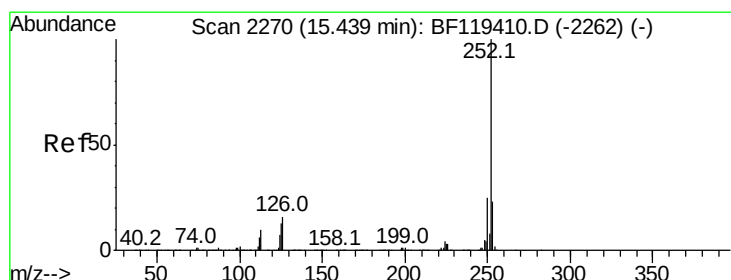
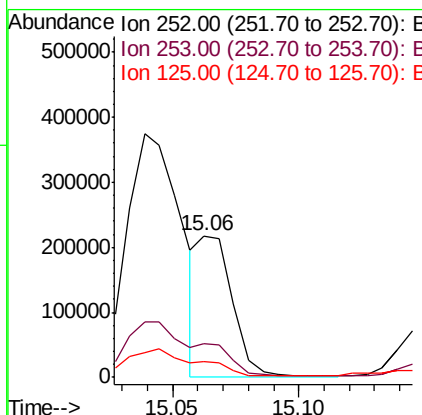
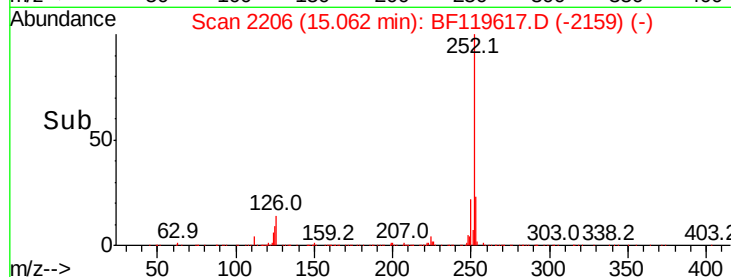
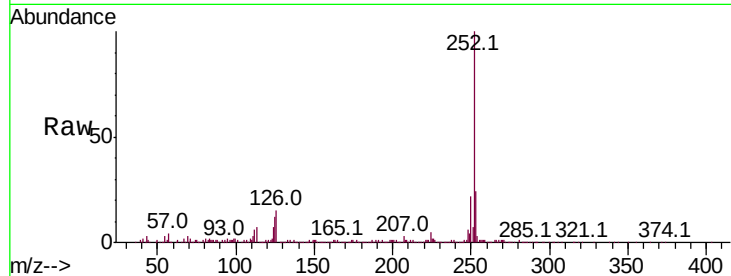
#89
Benzo(k)fluoranthene
Concen: 5.253 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF119617.D
Acq: 28 Mar 2020 15:24

Instrument :
BNA_F
ClientSampled :
RO-06

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	11.5	8.4	12.6

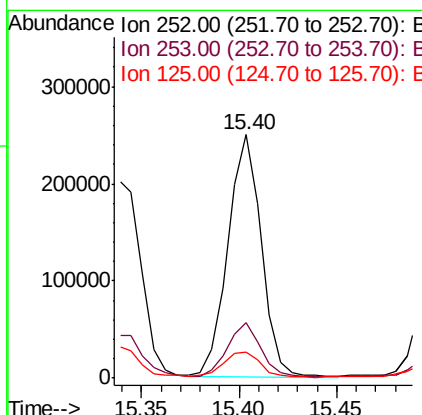
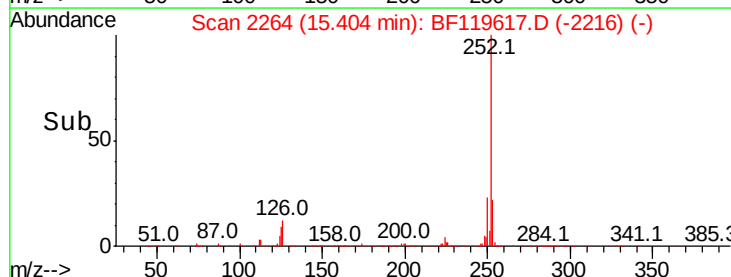
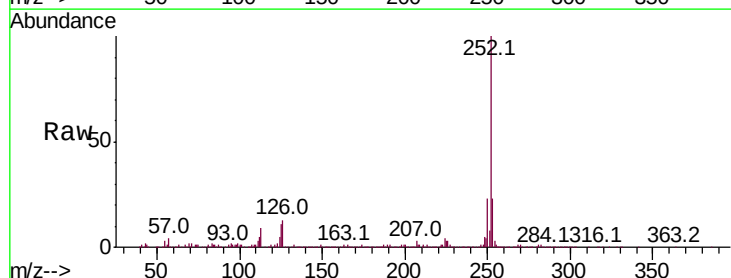
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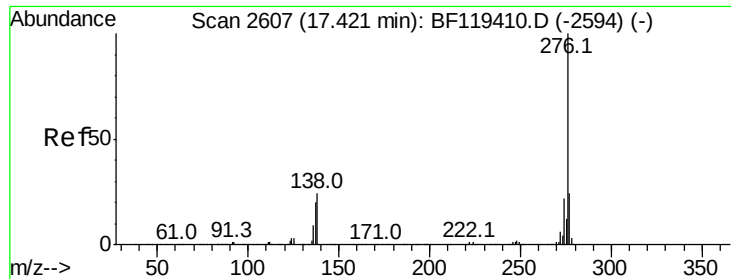
mohammad
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#90
Benzo(a)pyrene
Concen: 7.905 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.02 min
Lab File: BF119617.D
Acq: 28 Mar 2020 15:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	10.8	9.4	14.2





#92
 Benzo(a,h,i)perylene
 Concen: 2.672 ng
 RT: 17.36 min Scan# 2596
 Delta R.T. -0.04 min
 Lab File: BF119617.D
 Acq: 28 Mar 2020 15:24

Instrument :
 BNA_F
 ClientSampleId :
 RO-06

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.9	18.4	27.6#
138	19.0	15.4	23.0

Manual Integrations
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mohammad
 3/31/2020 8:14:32 AM

