

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121111.D
 Acq On : 29 Jul 2020 19:59
 Operator : JU/CG
 Sample : L3436-15 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 15

Manual Integrations
 APPROVED

mohammad
 7/30/2020 3:33:39 PM

Quant Time: Jul 30 01:52:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	150429	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	539783	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	263567	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	450846	20.00	ng	0.00
76) Chrysene-d12	13.96	240	402506	20.00	ng	0.00
86) Perylene-d12	15.42	264	367287	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	173785	18.94	ng	0.00
7) Phenol-d6	6.44	99	212806	17.95	ng	0.00
23) Nitrobenzene-d5	7.36	82	124469	13.34	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	50027	17.34	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	261723	14.83	ng	0.00
79) Terphenyl-d14	12.90	244	244140	13.19	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.11	128	93302	3.370	ng	98
49) Acenaphthylene	9.70	152	80279	3.153	ng	99
50) Dimethylphthalate	9.56	163	76765	4.037	ng	# 99
52) Acenaphthene	9.87	154	33190	2.050	ng	98
58) Fluorene	10.39	166	60508	3.465	ng	99
71) Phenanthrene	11.35	178	460802	19.873	ng	99
72) Anthracene	11.40	178	163646	7.028	ng	98
75) Fluoranthene	12.54	202	723671	28.157	ng	99
78) Pyrene	12.77	202	755655	26.554	ng	98
80) Butylbenzylphthalate	13.39	149	372702	29.379	ng	97
81) Benzo(a)anthracene	13.96	228	361742	14.841	ng	93
83) Chrysene	13.99	228	342164	13.358	ng	96
87) Indeno(1,2,3-cd)pyrene	16.84	276	131971	5.167	ng	97
88) Benzo(b)fluoranthene	15.00	252	386221m	17.396	ng	
89) Benzo(k)fluoranthene	15.02	252	100654m	4.971	ng	
90) Benzo(a)pyrene	15.36	252	265472	13.106	ng	97
92) Benzo(a,h,i)perylene	17.27	276	127183	6.182	ng	95

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

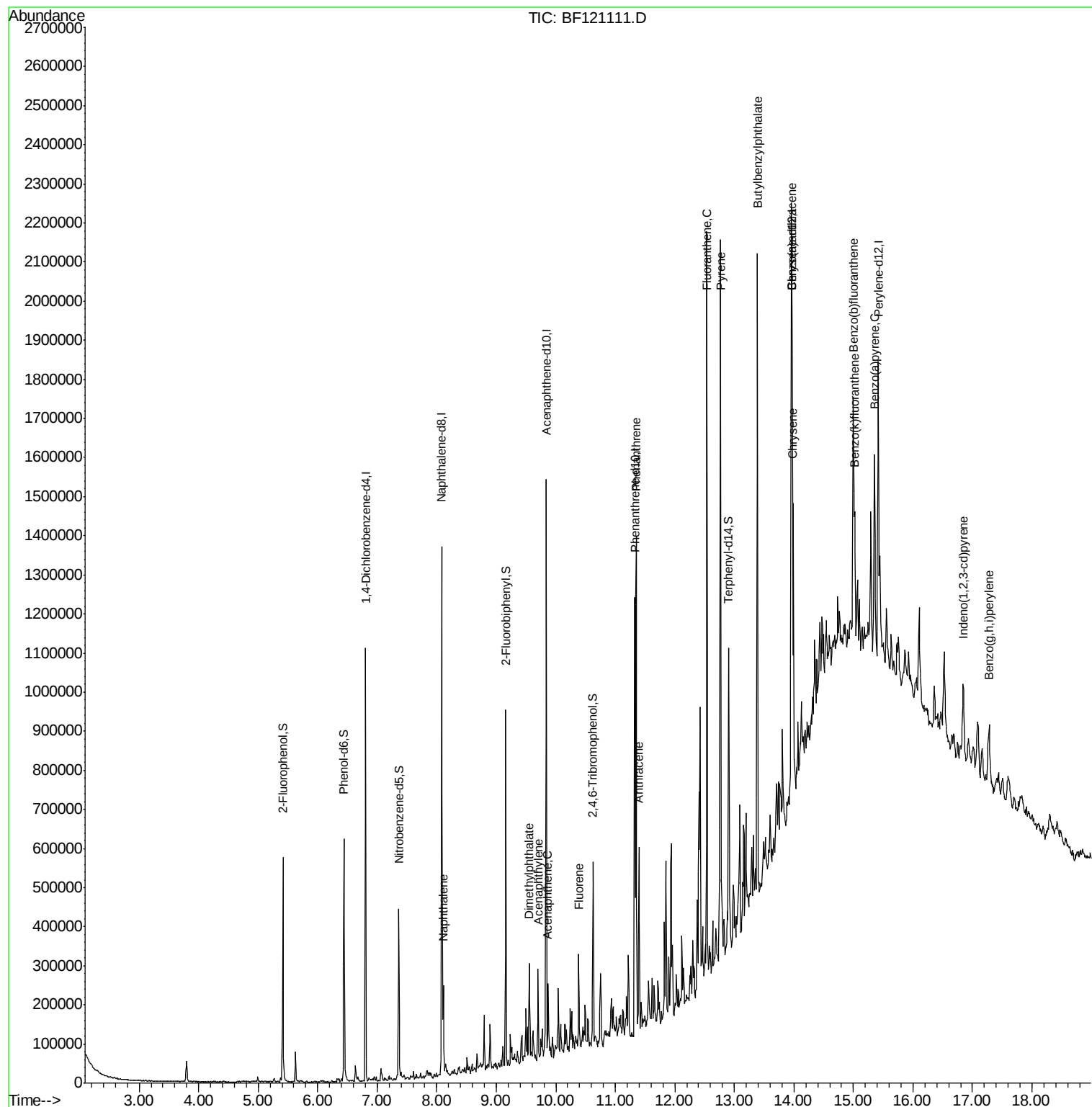
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
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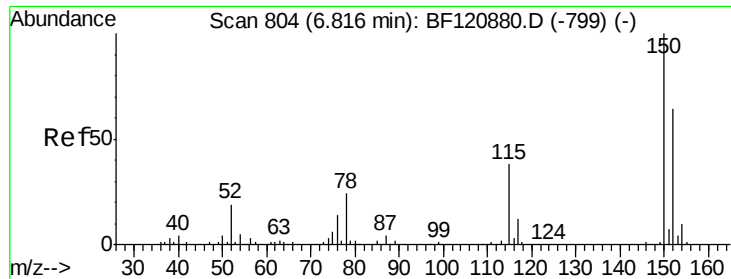
Instrument :
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15

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Quant Time: Jul 30 01:52:07 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

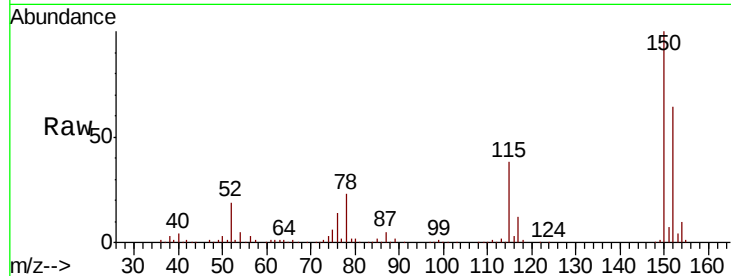
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF121111.D
Acq: 29 Jul 2020 19:59

Instrument :
BNA_F
ClientSampleId :
15

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	125.6	188.4
115	58.4	46.2	69.2

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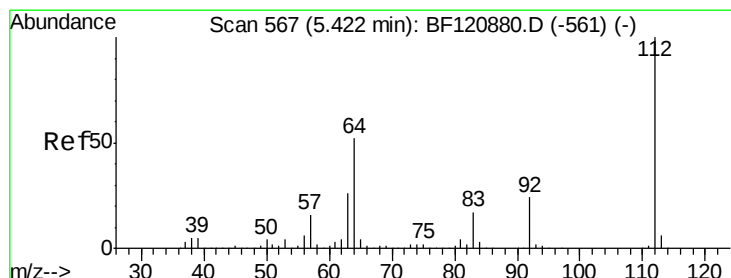
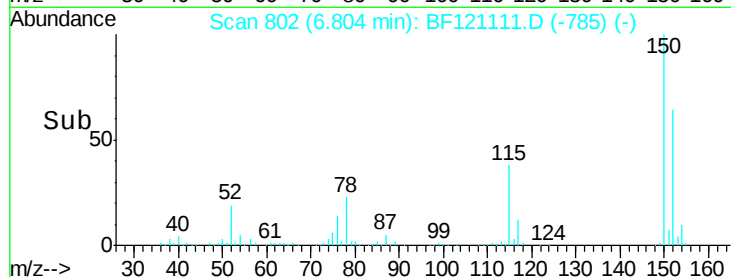
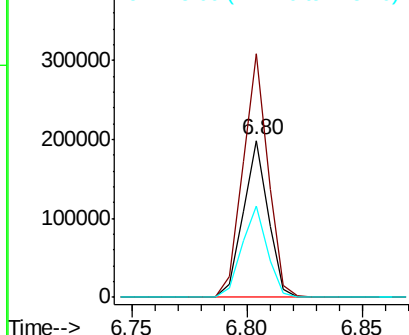


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

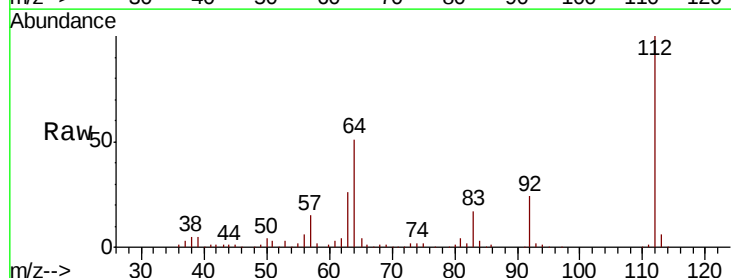
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 18.939 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF121111.D
Acq: 29 Jul 2020 19:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.0	43.9	65.9
63	26.2	22.7	34.1

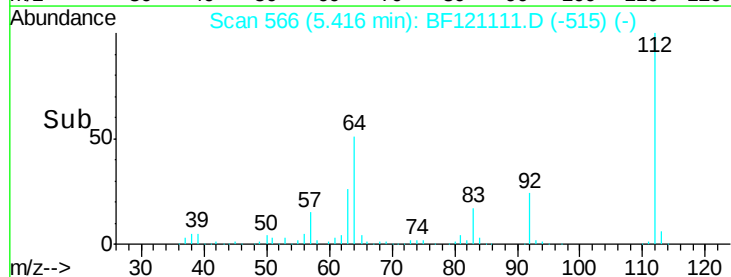
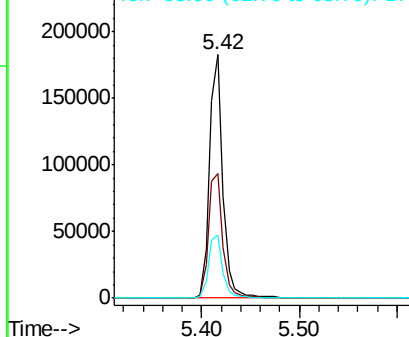


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 17.953 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121111.D

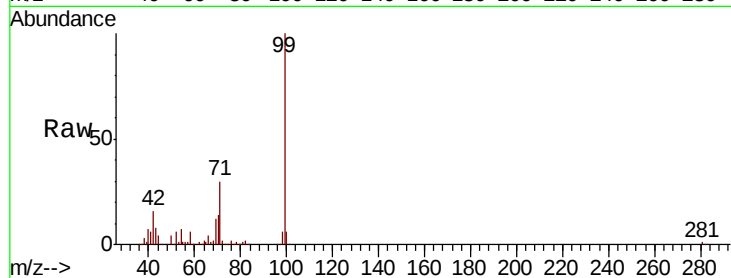
Acq: 29 Jul 2020 19:59

Instrument :

BNA_F

ClientSampleId :

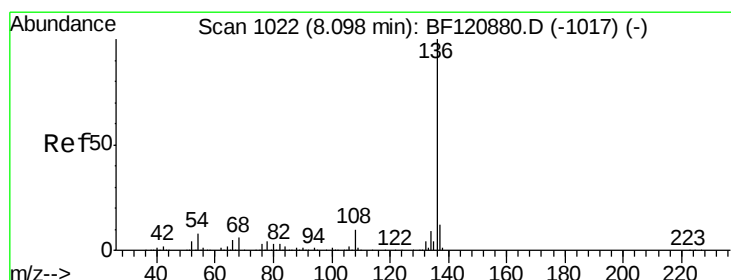
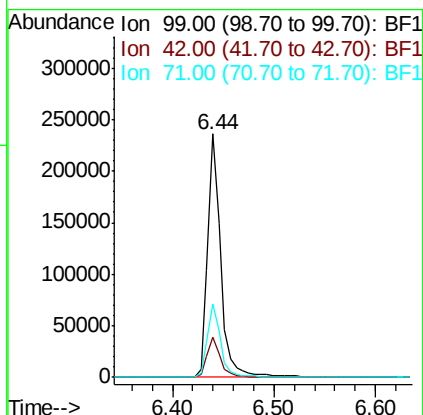
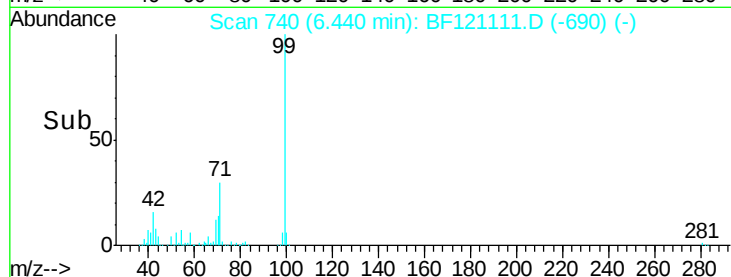
15



Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		212806		
42	16.3	13.5	20.3		
71	30.2	25.0	37.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

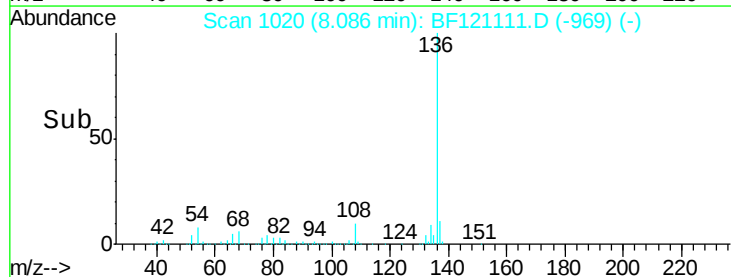
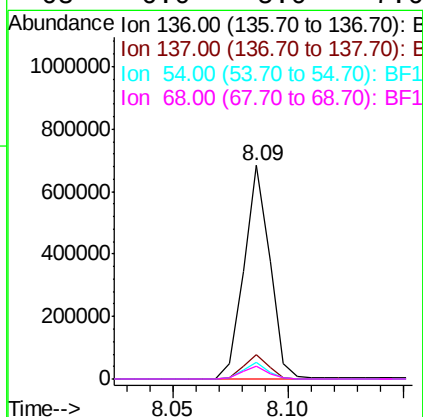
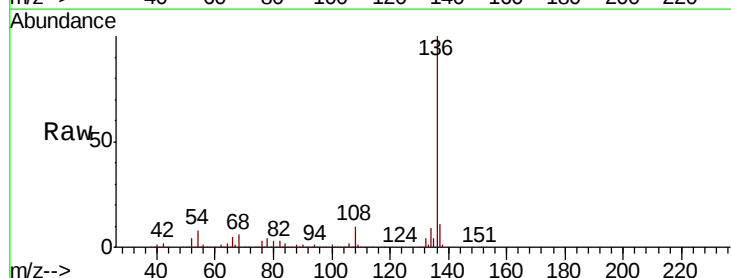
RT: 8.09 min Scan# 1020

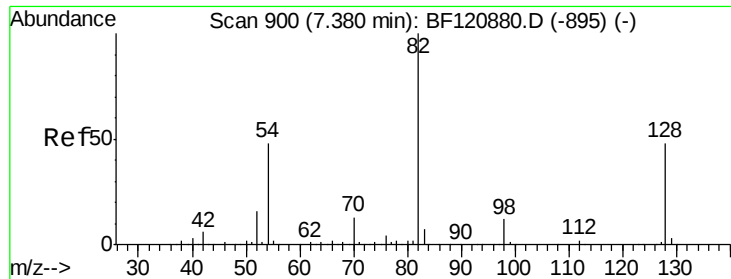
Delta R.T. 0.00 min

Lab File: BF121111.D

Acq: 29 Jul 2020 19:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		539783		
137	11.1	9.0	13.4		
54	7.6	6.1	9.1		
68	6.0	5.0	7.6		





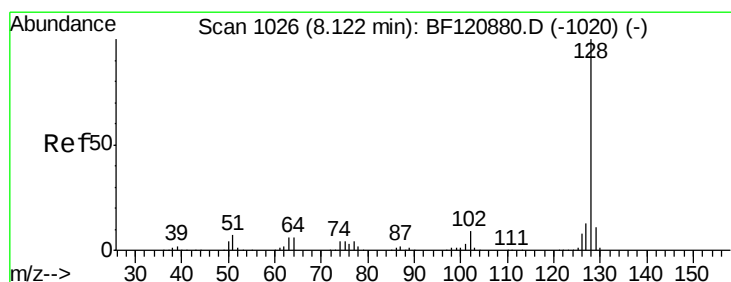
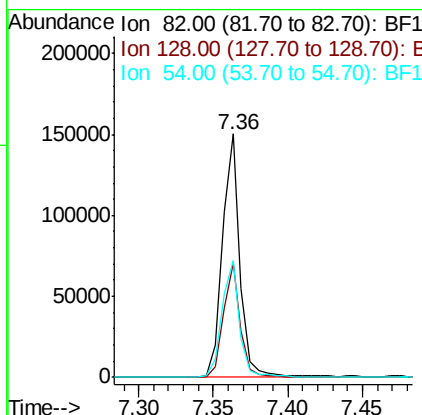
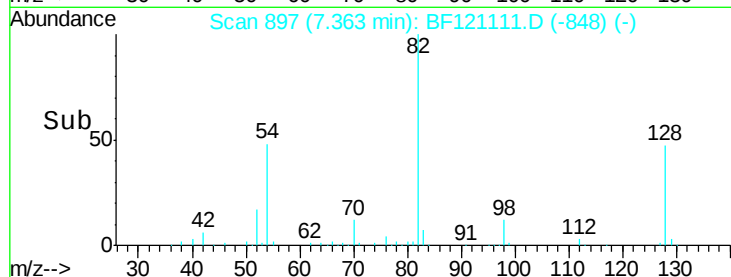
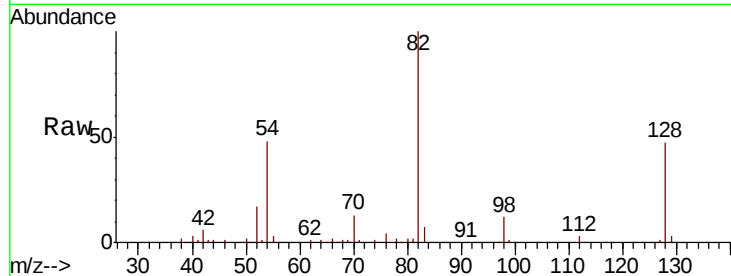
#23
Nitrobenzene-d5
Concen: 13.343 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF121111.D
Acq: 29 Jul 2020 19:59

Instrument :
BNA_F
ClientSampled :
15

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.9	39.2	58.8
54	47.8	37.8	56.8

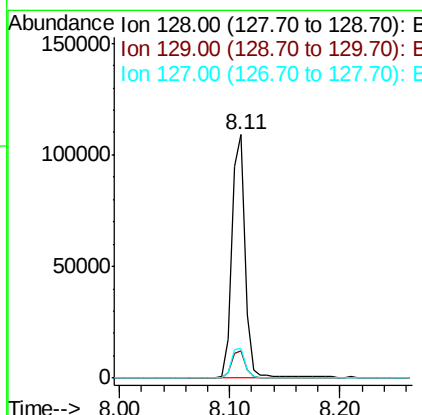
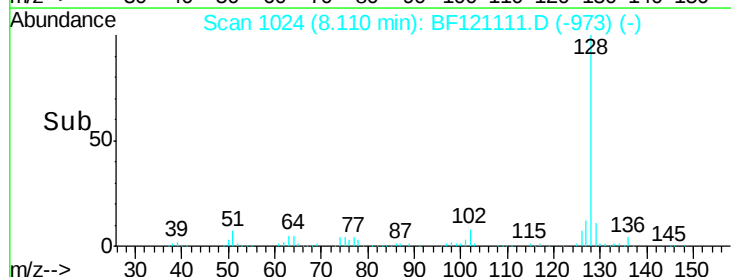
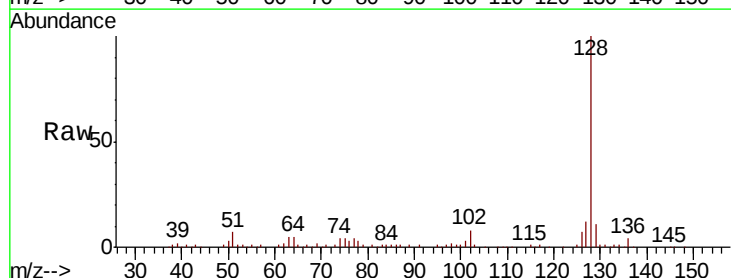
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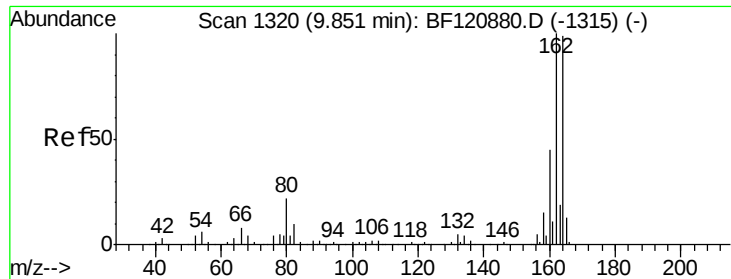
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#31
Naphthalene
Concen: 3.370 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BF121111.D
Acq: 29 Jul 2020 19:59

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.3	13.9
127	12.5	10.8	16.2





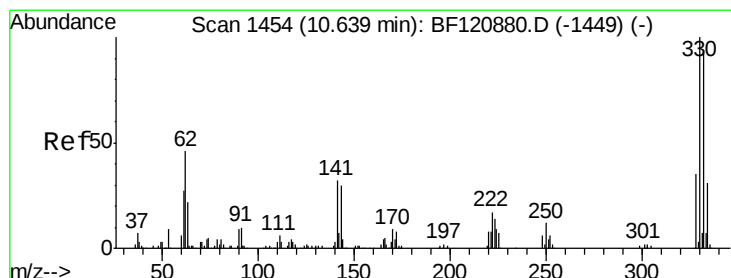
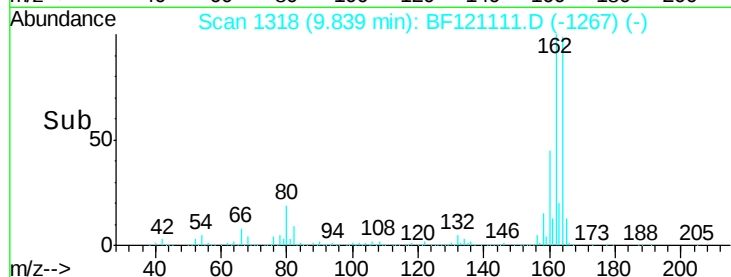
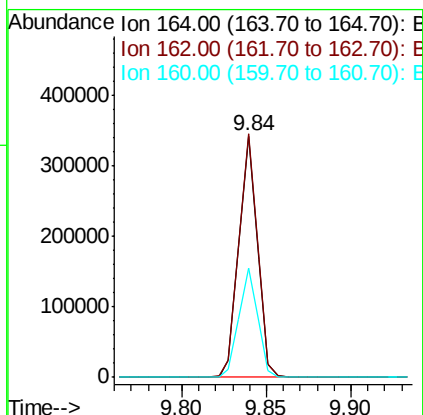
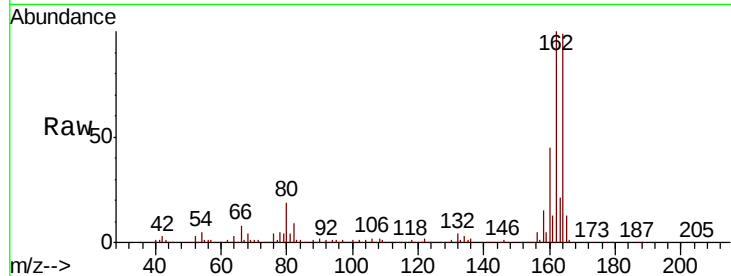
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF121111.D
Acq: 29 Jul 2020 19:59

Instrument :
BNA_F
ClientSampleId :
15

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.9	82.2	123.2	
160	45.5	37.2	55.8	

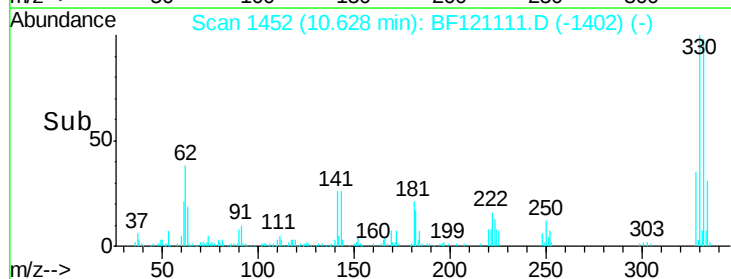
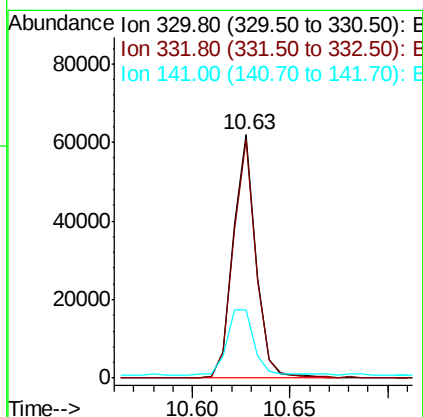
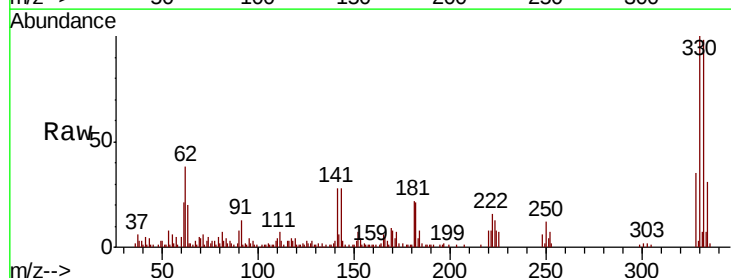
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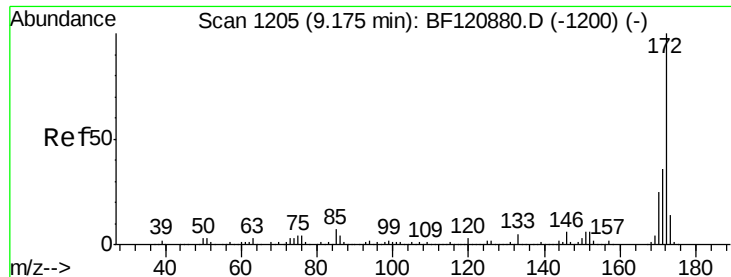
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#42
2,4,6-Tribromophenol
Concen: 17.340 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF121111.D
Acq: 29 Jul 2020 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.8	76.1	114.1	
141	32.8	24.1	36.1	





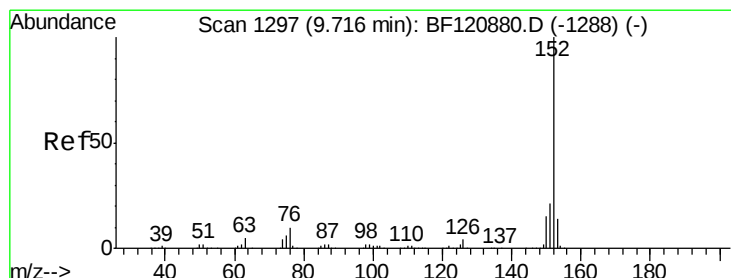
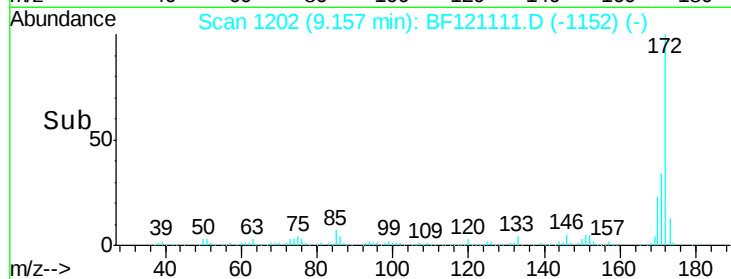
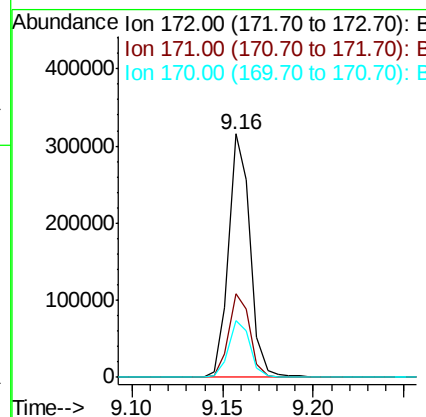
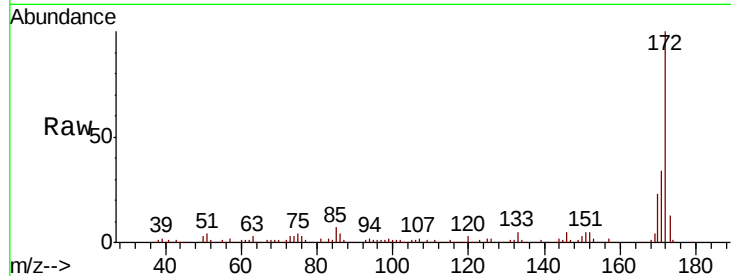
#45
2-Fluorobiphenyl
Concen: 14.826 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF121111.D
Acq: 29 Jul 2020 19:59

Instrument :
BNA_F
ClientSampleId :
15

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.3	29.0	43.4
170	23.3	19.6	29.4

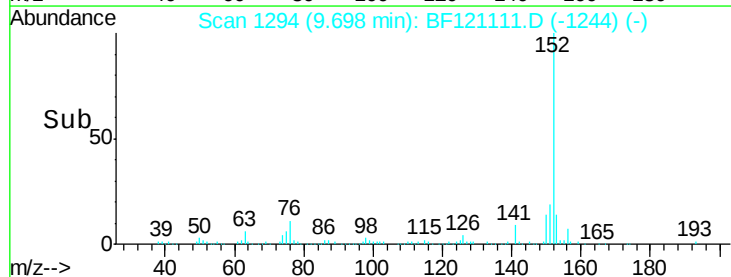
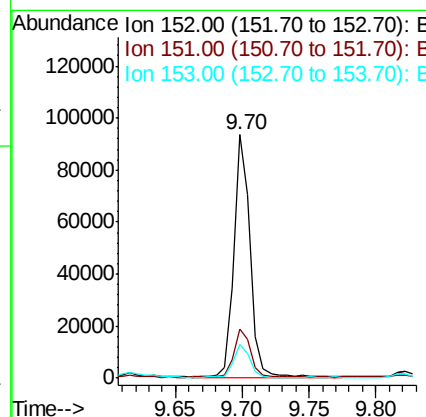
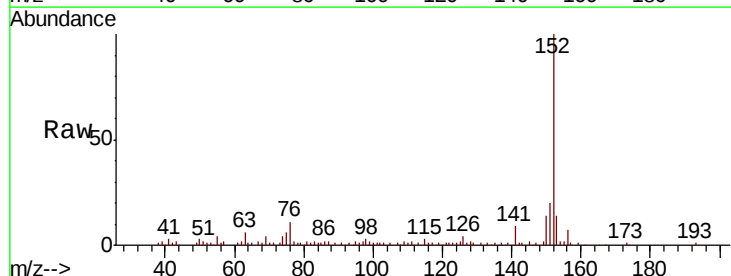
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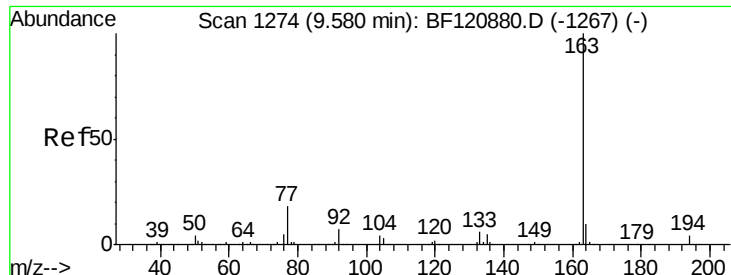
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#49
Acenaphthylene
Concen: 3.153 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF121111.D
Acq: 29 Jul 2020 19:59

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.6	25.0
153	14.0	11.0	16.4





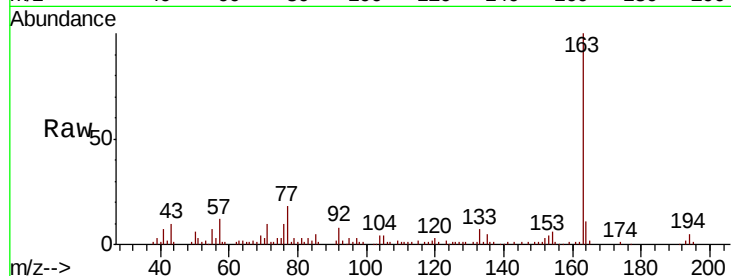
#50
Dimethylphthalate
Concen: 4.037 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF121111.D
Acq: 29 Jul 2020 19:59

Instrument :
BNA_F
ClientSampled :
15

Tot Ion	Ratio	Resp	Lower	Upper
163	100	76765		
194	4.7		3.0	4.4#
164	10.5		8.4	12.6

Manual Integrations
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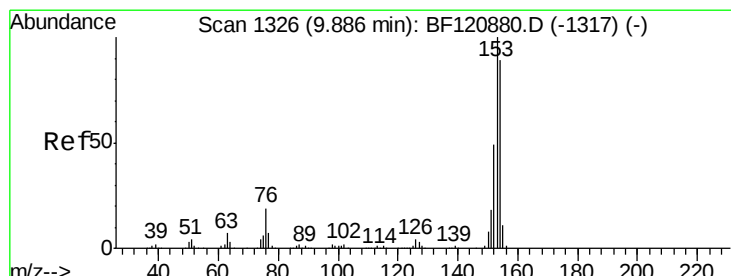
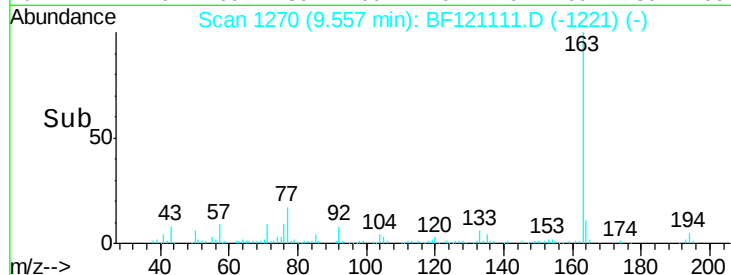
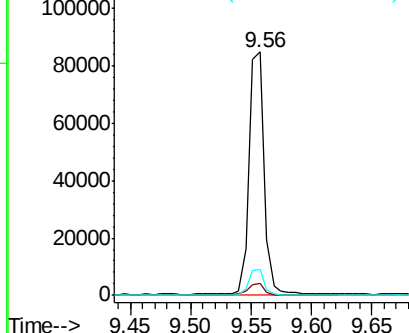


Abundance

Ion 163.00 (162.70 to 163.70): E

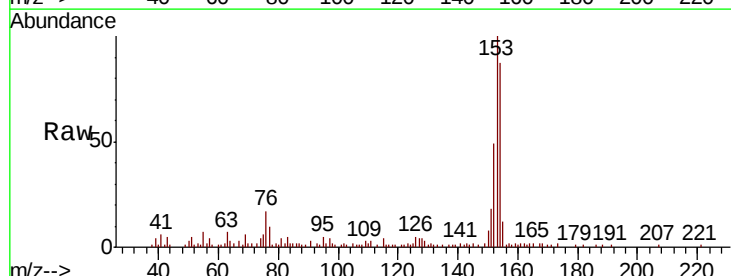
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 2.050 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF121111.D
Acq: 29 Jul 2020 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	33190		
153	114.5		89.6	134.4
152	55.5		43.8	65.6

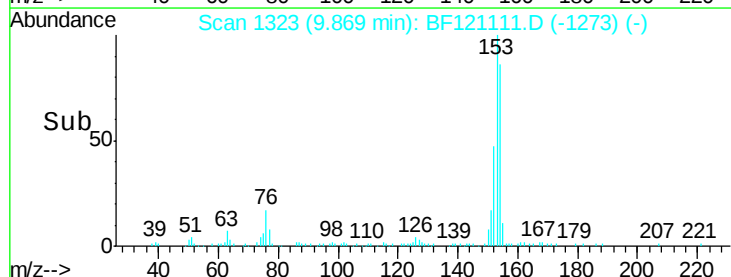
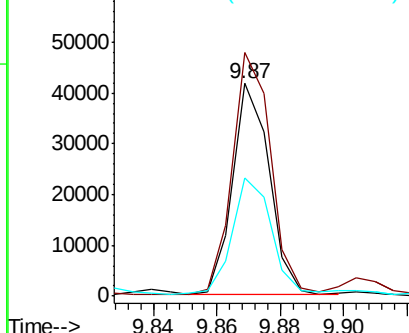


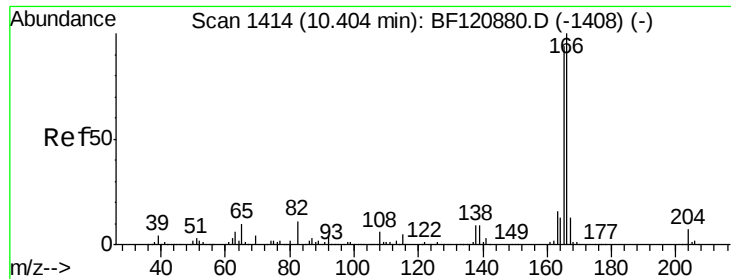
Abundance

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





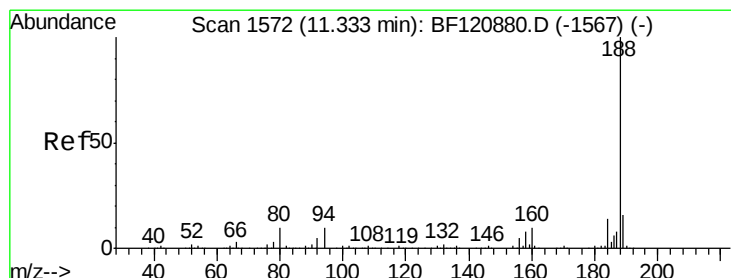
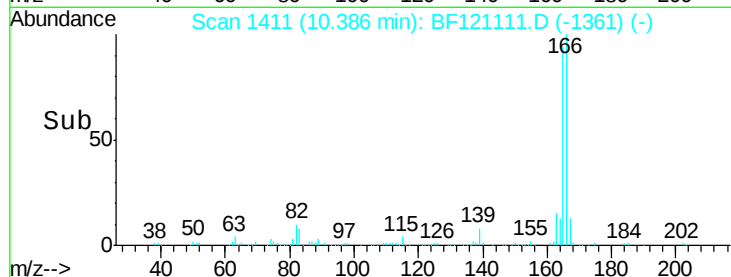
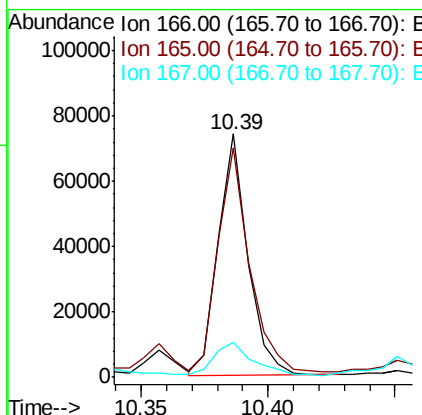
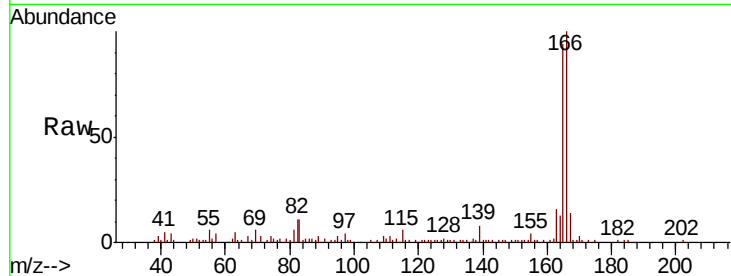
#58
 Fluorene
 Concen: 3.465 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: BF121111.D
 Acq: 29 Jul 2020 19:59

Instrument :
 BNA_F
 ClientSampleId :
 15

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		60508		
165	94.4	76.4	114.6		
167	14.4	10.7	16.1		

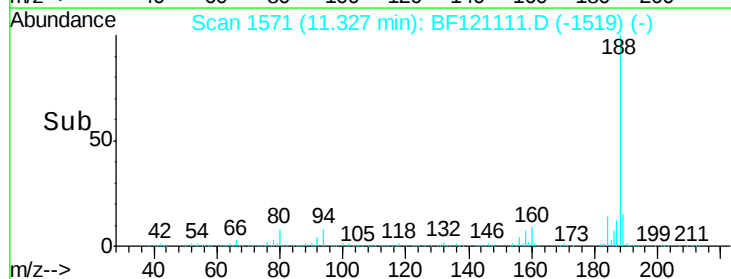
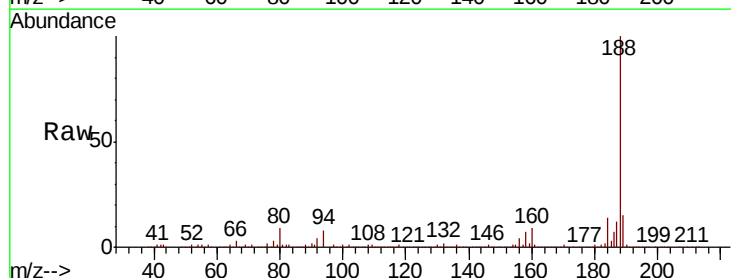
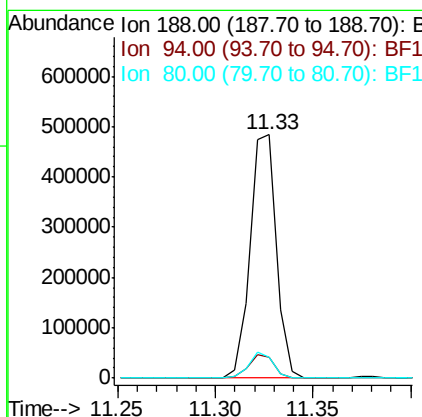
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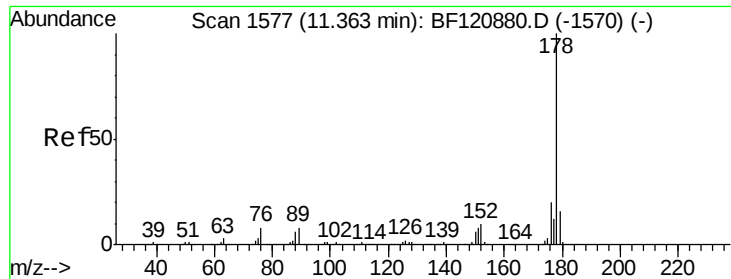
mohammad
 7/30/2020 3:33:39 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: BF121111.D
 Acq: 29 Jul 2020 19:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		450846		
94	8.4	8.0	12.0		
80	8.6	8.3	12.5		





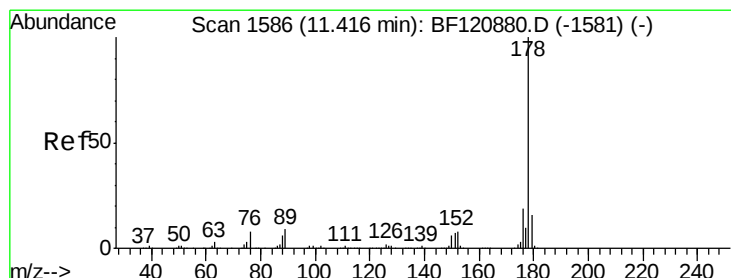
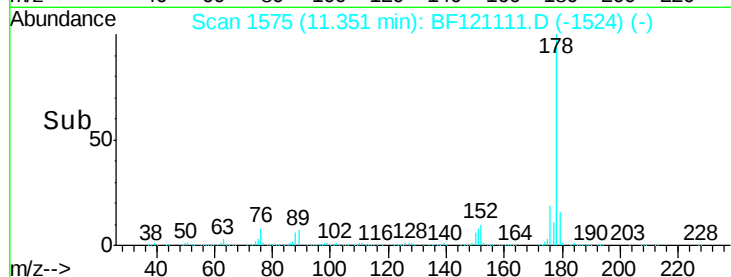
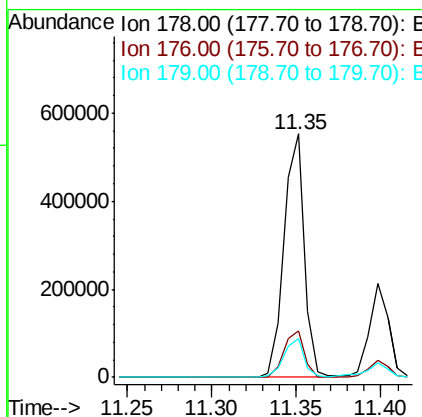
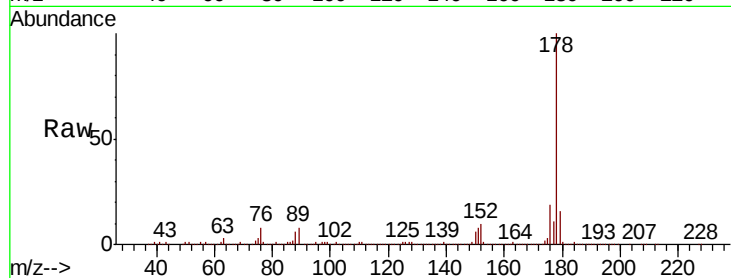
#71
Phenanthrene
Concen: 19.873 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BF121111.D
Acq: 29 Jul 2020 19:59

Instrument :
BNA_F
ClientSampleId :
15

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.2
179	15.8	12.6	19.0

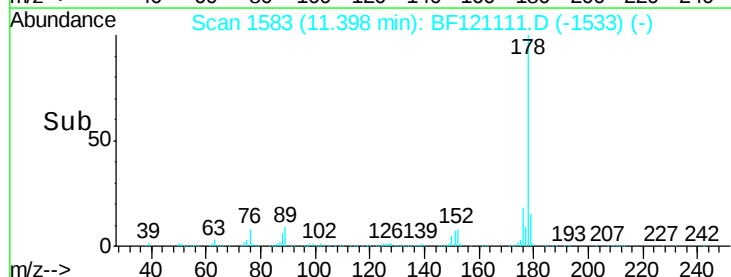
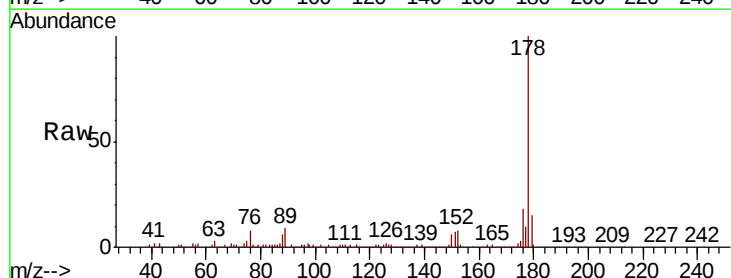
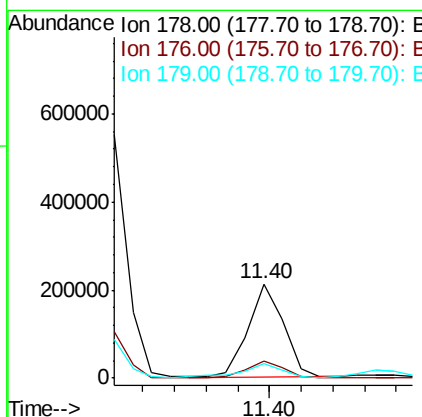
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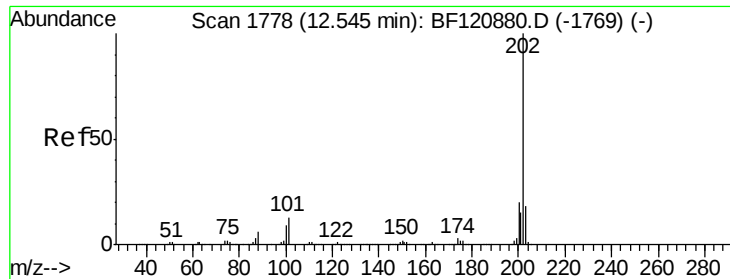
mohammad
7/30/2020 3:33:39 PM



#72
Anthracene
Concen: 7.028 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF121111.D
Acq: 29 Jul 2020 19:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.2	12.6	19.0





#75

Fluoranthene

Concen: 28.157 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.00 min

Lab File: BF121111.D

Acq: 29 Jul 2020 19:59

Instrument :

BNA_F

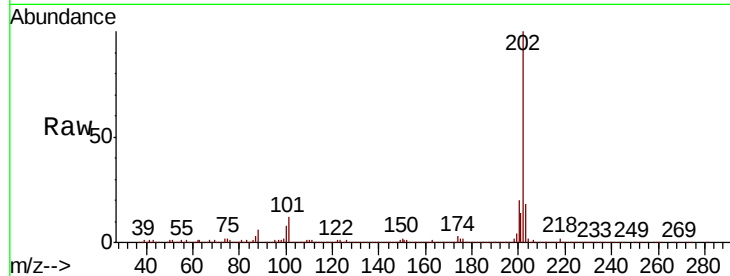
ClientSampled :

15

Tot Ion:	202	Resp:	723671
Ion Ratio		Lower	Upper
202	100		
101	11.6	0.0	30.5
203	18.0	0.0	37.7

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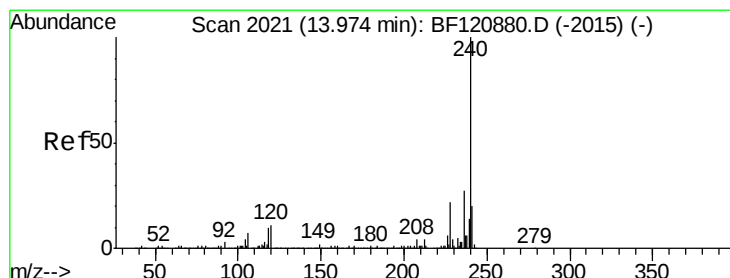
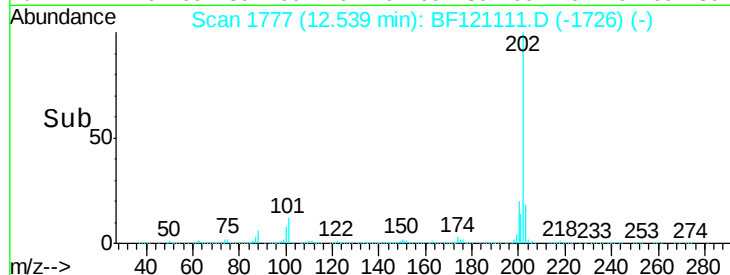
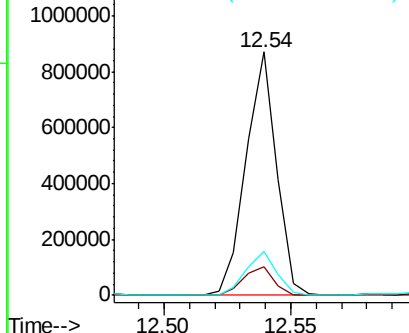


Abundance

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: 13.96 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BF121111.D

Acq: 29 Jul 2020 19:59

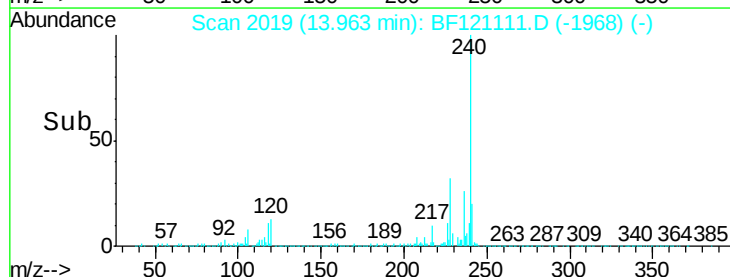
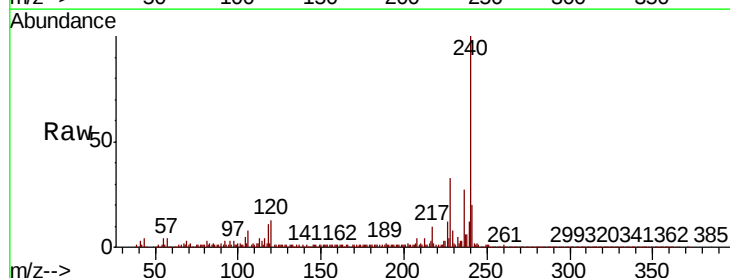
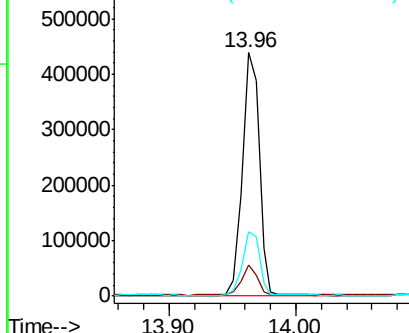
Tgt Ion:	240	Resp:	402506
Ion Ratio		Lower	Upper
240	100		
120	12.9	9.3	13.9
236	26.7	21.1	31.7

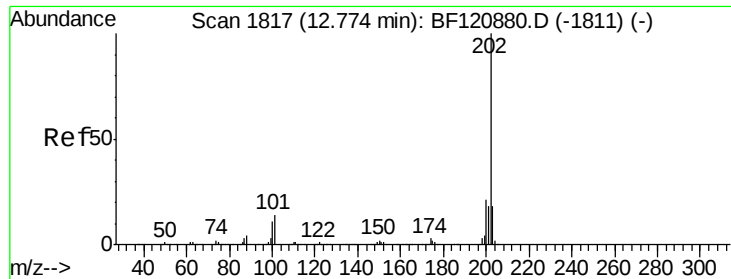
Abundance

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





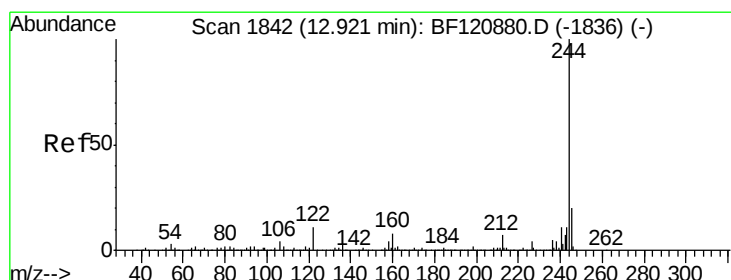
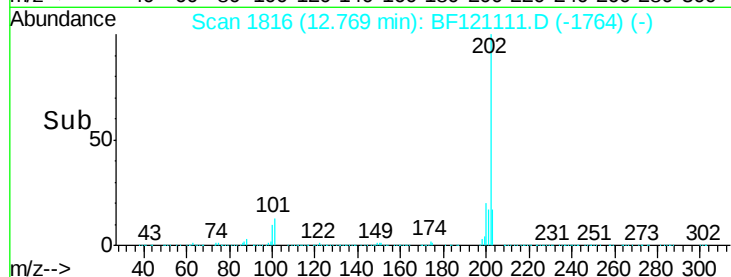
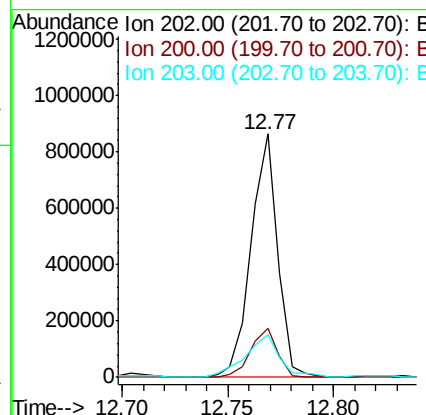
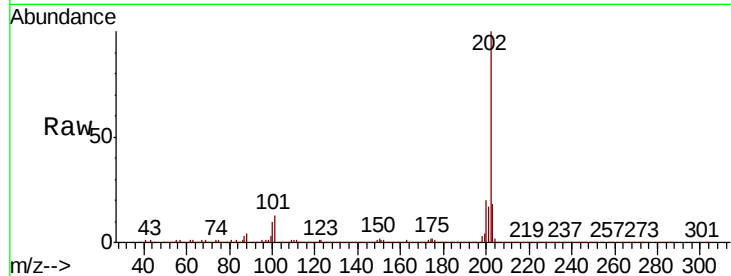
#78
Pvrene
Concen: 26.554 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF121111.D
Acq: 29 Jul 2020 19:59

Instrument :
BNA_F
ClientSampled :
15

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.3	17.0	25.6
203	17.7	14.6	21.8

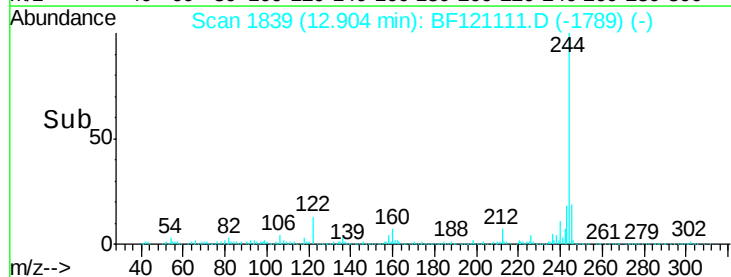
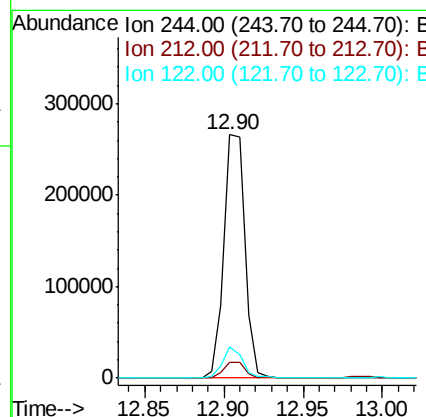
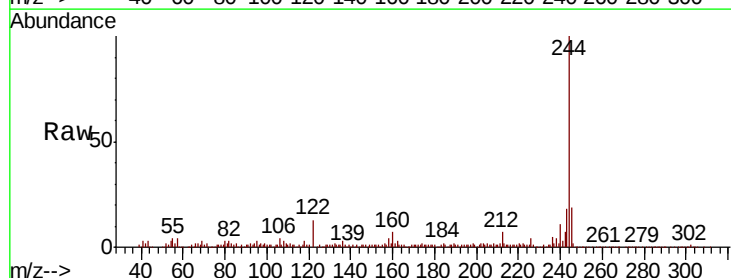
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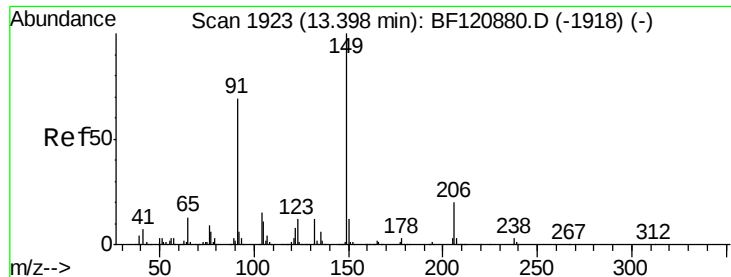
mohammad
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#79
Terphenyl-d14
Concen: 13.185 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF121111.D
Acq: 29 Jul 2020 19:59

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	5.7	8.5
122	13.1	8.3	12.5#





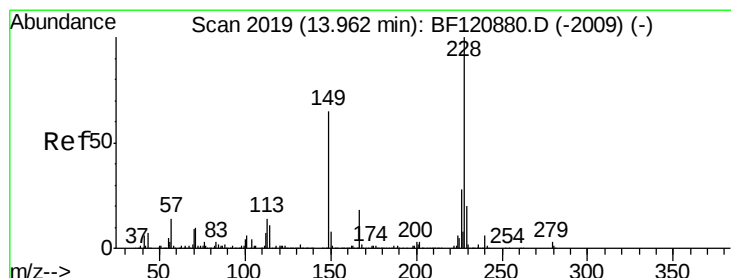
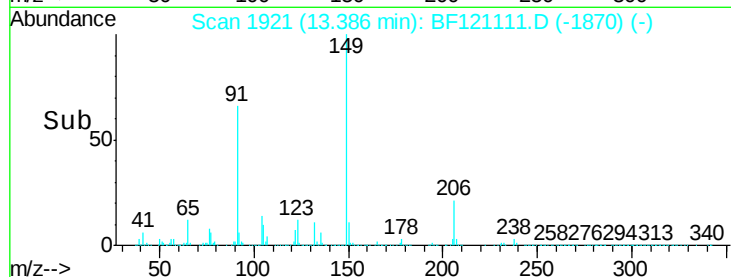
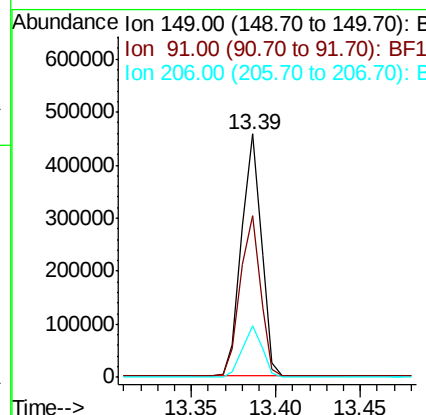
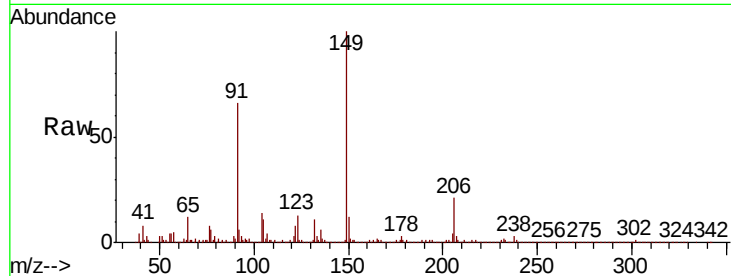
#80
Butylbenzylphthalate
Concen: 29.379 ng
RT: 13.39 min Scan# 1921
Delta R.T. 0.00 min
Lab File: BF121111.D
Acq: 29 Jul 2020 19:59

Instrument :
BNA_F
ClientSampleId :
15

Tot Ion	Ratio	Lower	Upper
149	100		
91	66.4	51.4	77.0
206	21.0	17.9	26.9

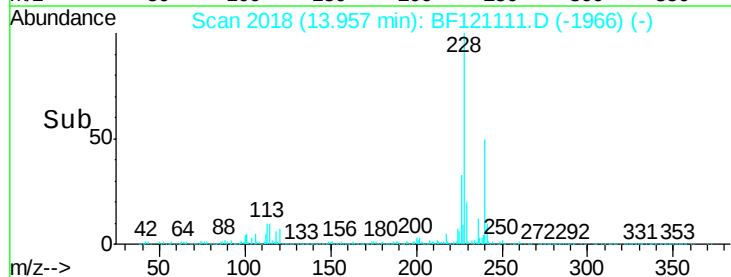
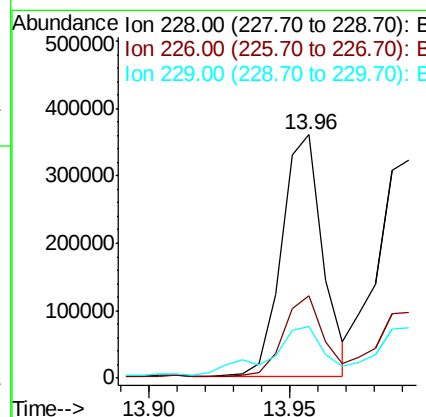
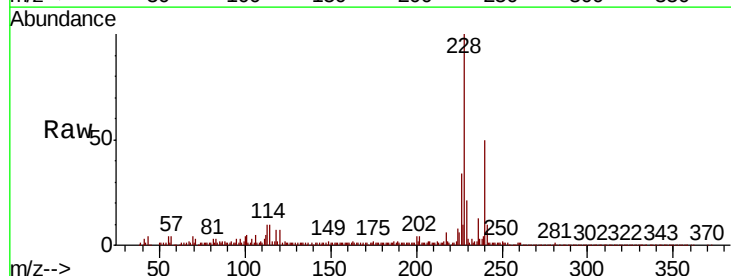
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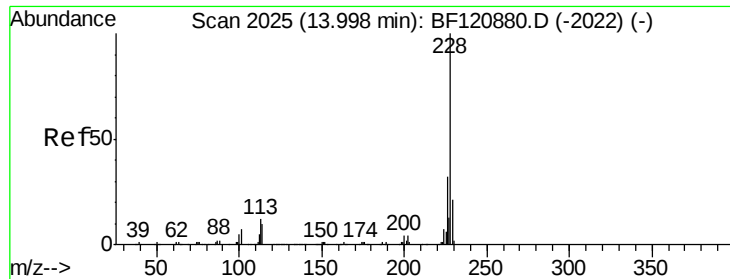
mohammad
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#81
Benzo(a)anthracene
Concen: 14.841 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF121111.D
Acq: 29 Jul 2020 19:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.7	22.6	34.0
229	21.2	16.1	24.1





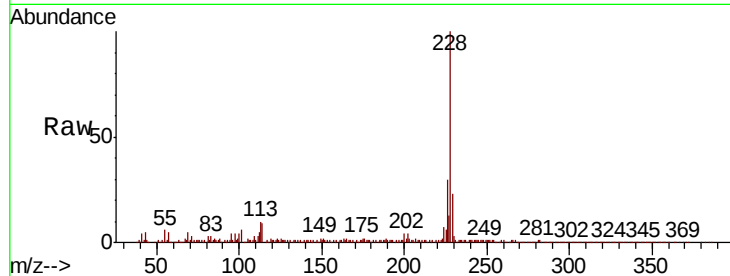
#83
Chrysene
Concen: 13.358 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF121111.D
Acq: 29 Jul 2020 19:59

Instrument :
BNA_F
ClientSampled :
15

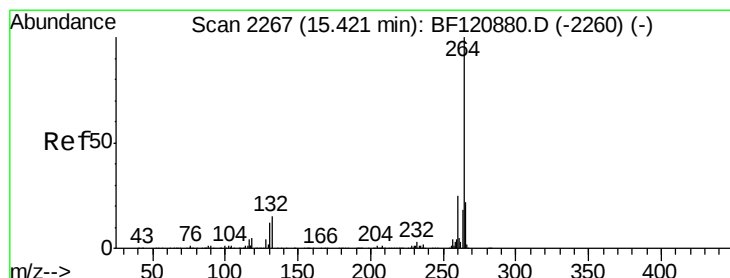
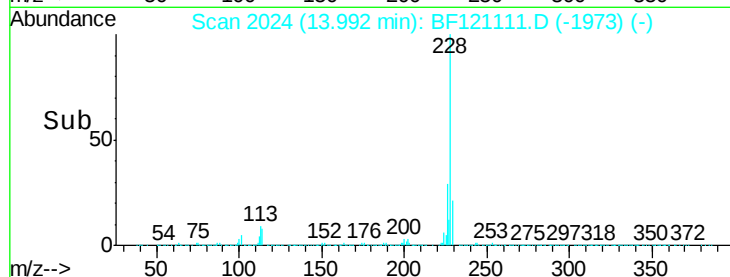
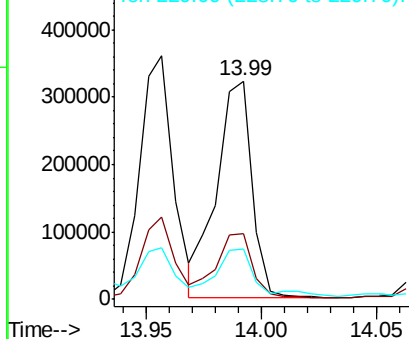
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.4	38.0
229	22.8	16.2	24.4

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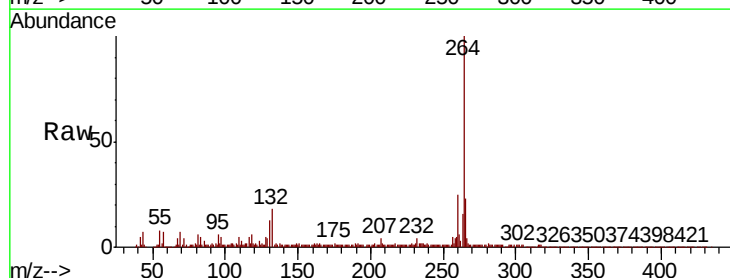


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

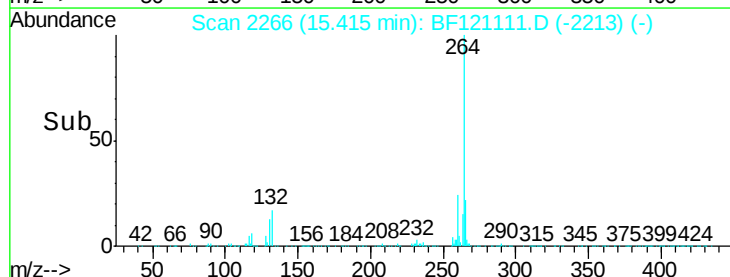
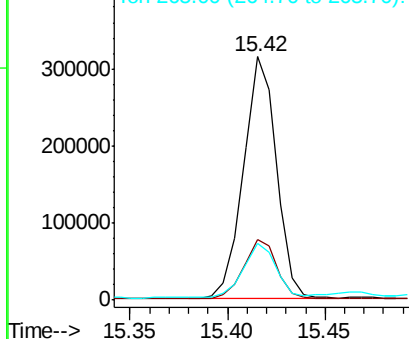


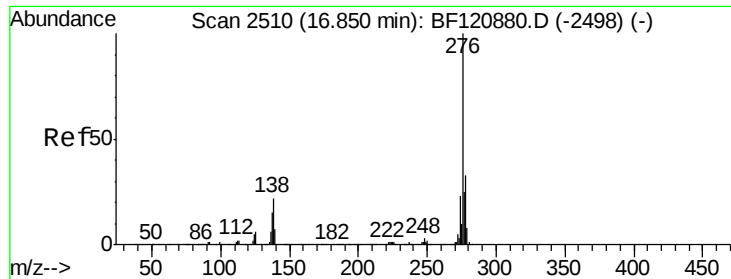
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF121111.D
Acq: 29 Jul 2020 19:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.9	29.9
265	23.3	17.8	26.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





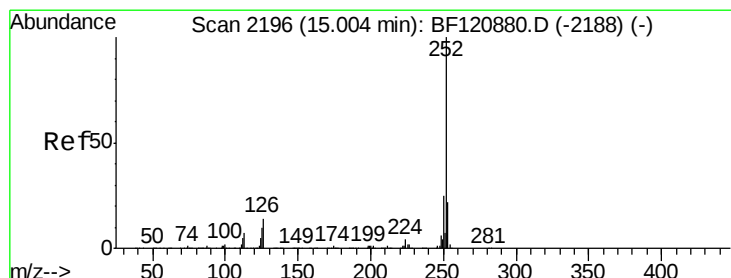
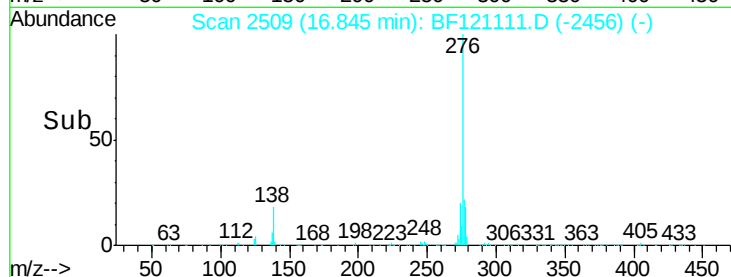
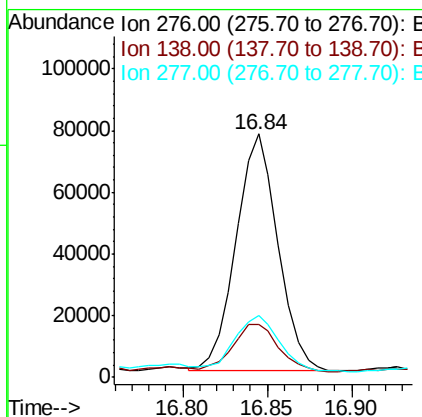
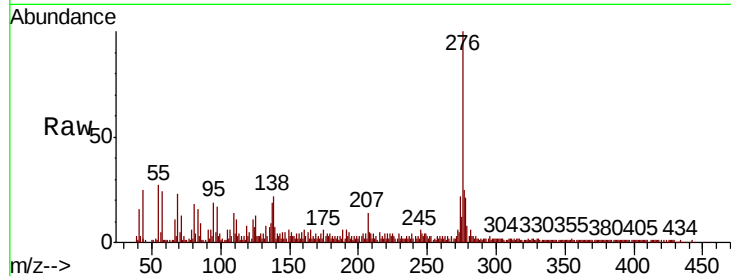
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.167 ng
 RT: 16.84 min Scan# 2509
 Delta R.T. 0.01 min
 Lab File: BF121111.D
 Acq: 29 Jul 2020 19:59

Instrument :
 BNA_F
 ClientSampleId :
 15

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.2	19.3	28.9
277	25.9	20.1	30.1

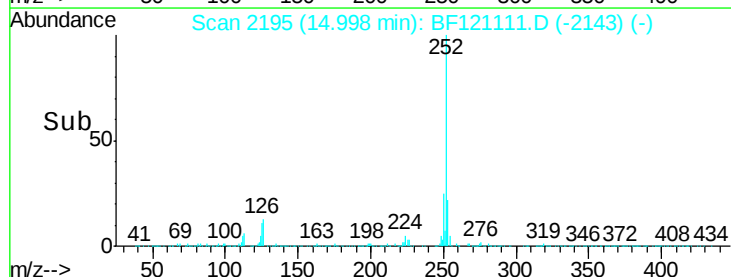
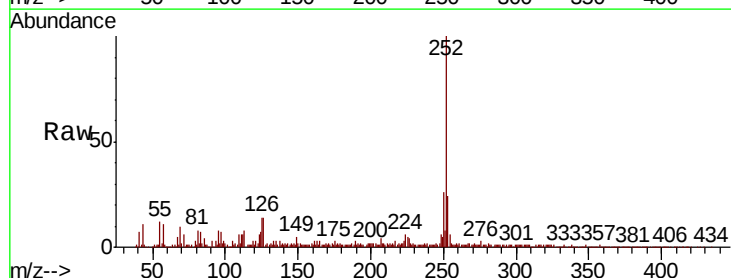
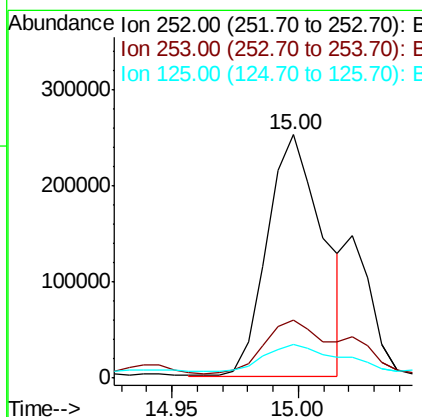
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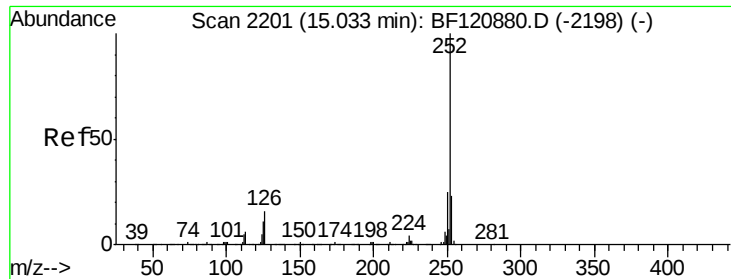
mohammad
 7/30/2020 3:33:39 PM



#88
 Benzo(b)fluoranthene
 Concen: 17.396 ng m
 RT: 15.00 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: BF121111.D
 Acq: 29 Jul 2020 19:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	13.7	8.1	12.1





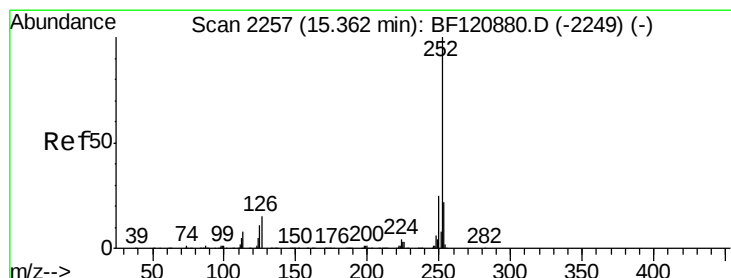
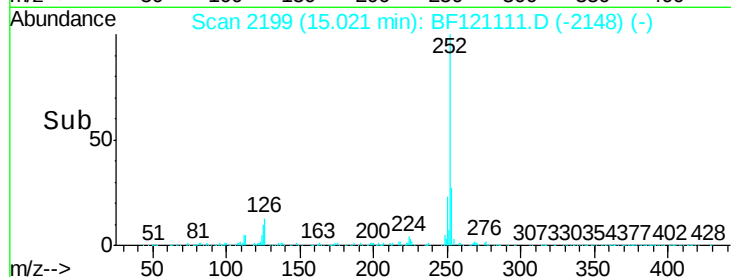
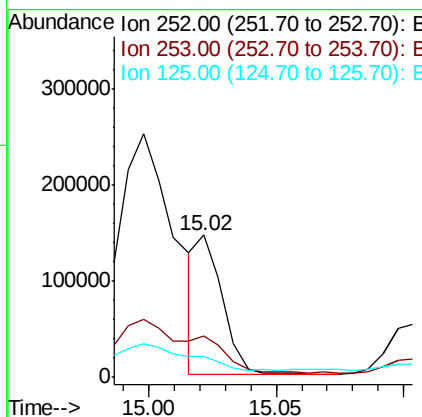
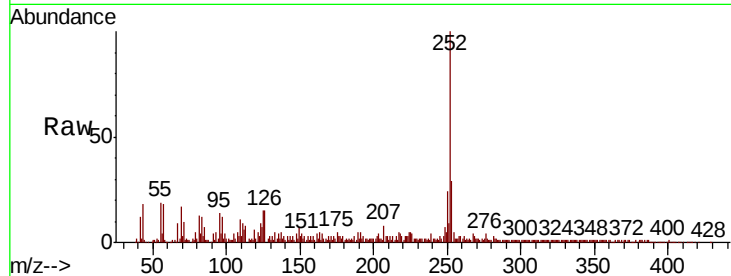
#89
Benzo(k)fluoranthene
Concen: 4.971 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BF121111.D
Acq: 29 Jul 2020 19:59

Instrument :
BNA_F
ClientSampleId :
15

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.1	18.1	27.1#
125	14.6	8.0	12.0#

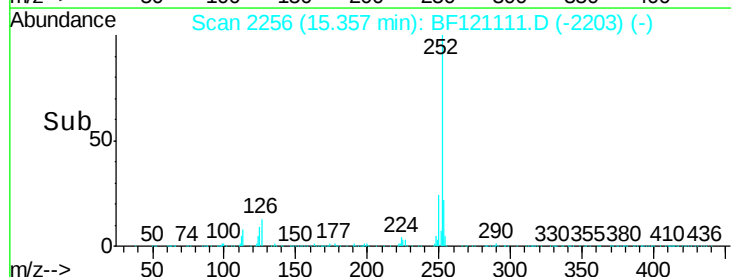
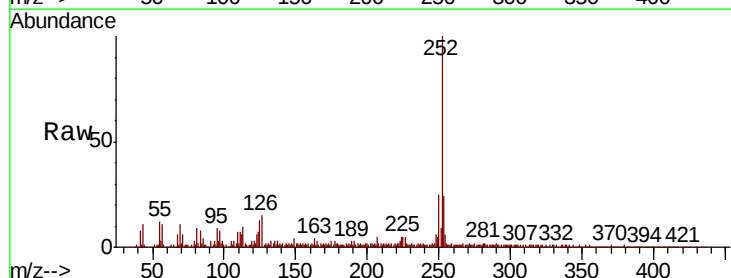
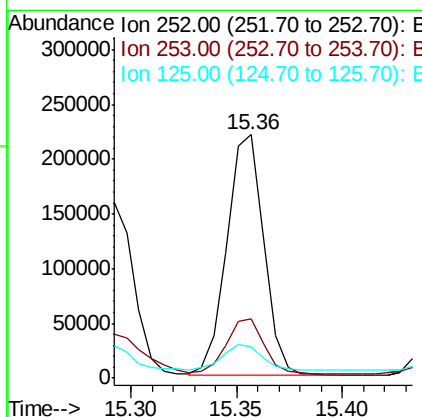
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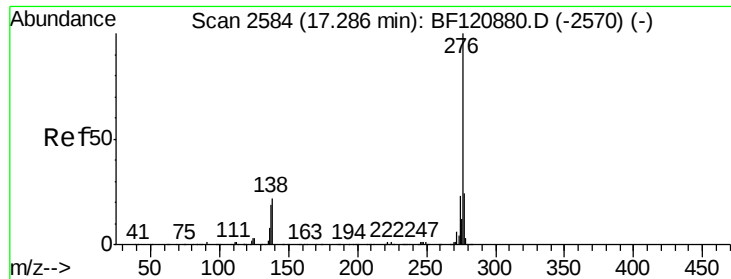
mohammad
7/30/2020 3:33:39 PM



#90
Benzo(a)pyrene
Concen: 13.106 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.01 min
Lab File: BF121111.D
Acq: 29 Jul 2020 19:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	12.8	9.5	14.3





#92
 Benzo(a,h,i)perylene
 Concen: 6.182 ng
 RT: 17.27 min Scan# 2582
 Delta R.T. 0.01 min
 Lab File: BF121111.D
 Acq: 29 Jul 2020 19:59

Instrument :
 BNA_F
 ClientSampleId :
 15

Tot Ion:	276	Resp:	127183
Ion Ratio	Lower	Upper	
276	100		
277	27.2	19.4	29.0
138	23.3	17.2	25.8

Manual Integrations
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