

Data File : BF121492.D
Acq On : 31 Aug 2020 22:36
Operator : JU/CG
Sample : L3847-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-C

Manual Integrations
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9/2/2020 1:56:33 PM

Quant Time: Sep 07 04:04:19 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 28 09:25:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	279469	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	999886	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	450652	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	738534	20.00	ng	0.00
76) Chrysene-d12	14.04	240	579313	20.00	ng	0.01
86) Perylene-d12	15.52	264	570788	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	144352	8.67	ng	0.00
7) Phenol-d6	6.48	99	183321	7.88	ng	-0.01
23) Nitrobenzene-d5	7.42	82	106960	7.31	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	36722	8.07	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	226911	8.12	ng	0.00
79) Terphenyl-d14	12.97	244	188808	6.86	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.17	128	139208	2.804	ng	97
38) 1-Methylnaphthalene	8.96	142	114895	3.700	ng	99
49) Acenaphthylene	9.76	152	213103	5.083	ng	# 96
52) Acenaphthene	9.93	154	249017	9.406	ng	99
58) Fluorene	10.45	166	297945	10.277	ng	100
71) Phenanthrene	11.42	178	2847056	75.120	ng	99
72) Anthracene	11.46	178	845490	22.682	ng	98
75) Fluoranthene	12.62	202	4249248	104.029	ng	98
78) Pyrene	12.85	202	5802955	140.258	ng	94
81) Benzo(a)anthracene	14.03	228	2927056	82.769	ng	93
83) Chrysene	14.07	228	3051694	86.254	ng	96
87) Indeno(1,2,3-cd)pyrene	17.00	276	1166665	33.220	ng	97
88) Benzo(b)fluoranthene	15.09	252	2852959m	76.838	ng	
89) Benzo(k)fluoranthene	15.12	252	749741m	21.709	ng	
90) Benzo(a)pyrene	15.46	252	2293554	68.696	ng	98
91) Dibenzo(a,h)anthracene	17.00	278	334655	11.641	ng	92
92) Benzo(g,h,i)perylene	17.45	276	1202144	43.410	ng	98

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

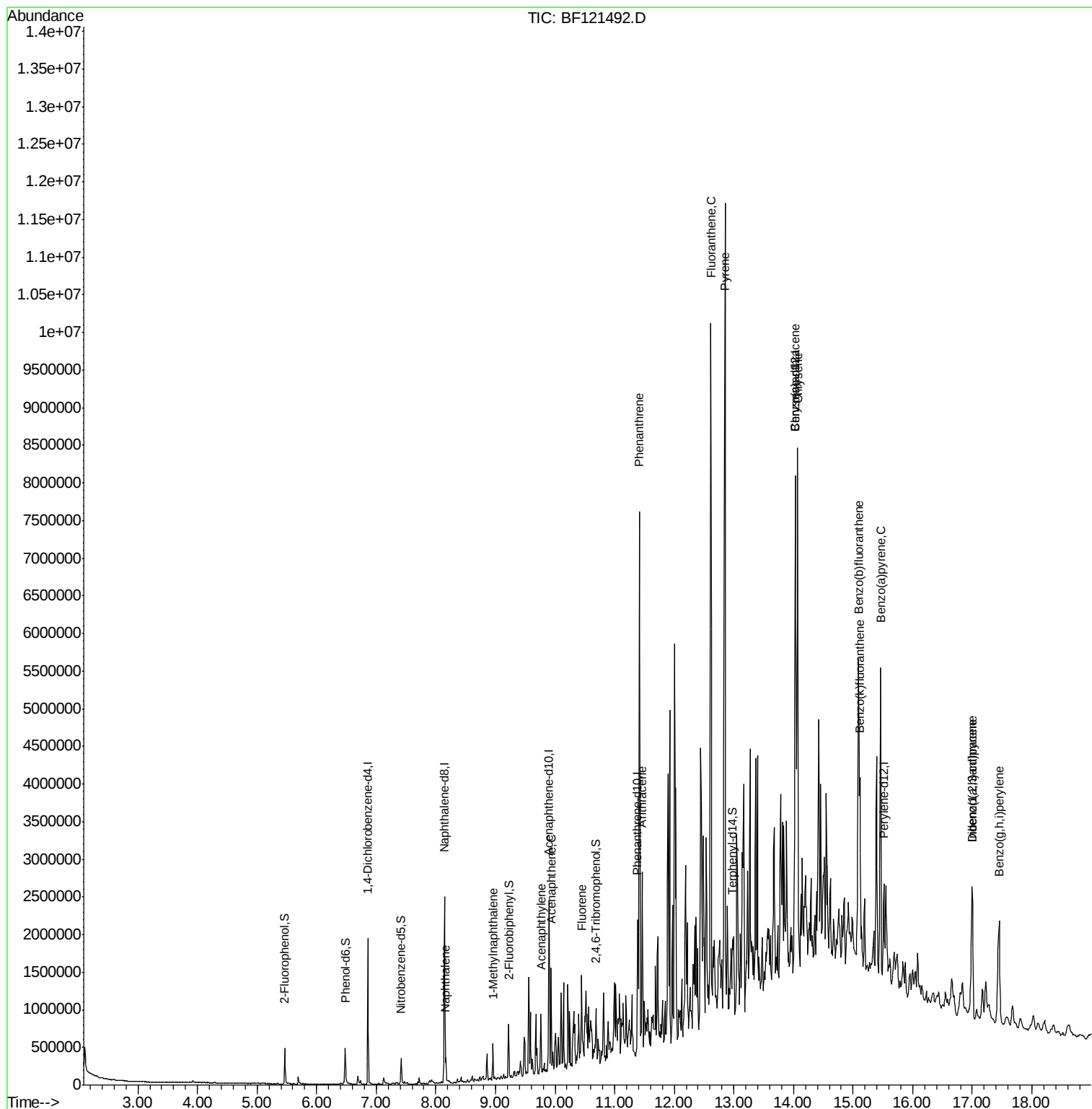
Data File : BF121492.D
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Sample : L3847-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

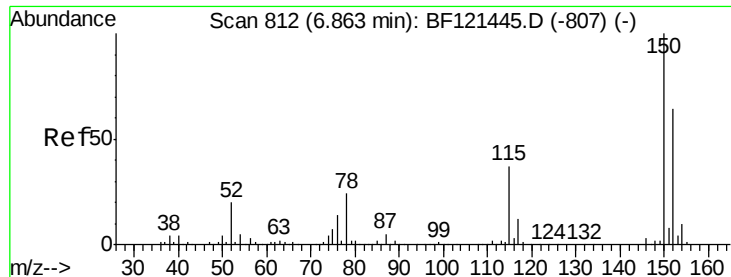
Instrument :
BNA_F
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LINDEN-JOP-BH-08-C

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#1

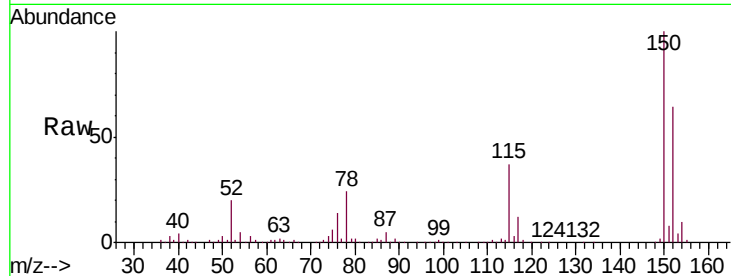
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF121492.D
Acq: 31 Aug 2020 22:36

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-C

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	279469		
150	157.3	125.8	188.6	
115	57.8	46.6	69.8	

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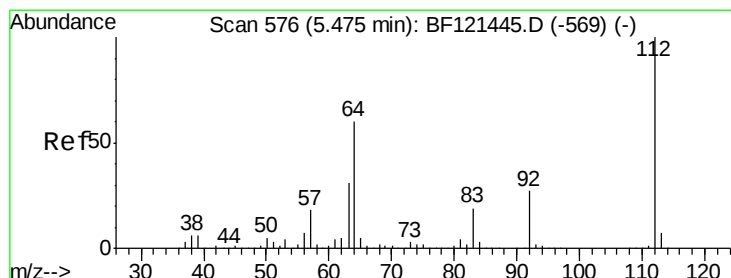
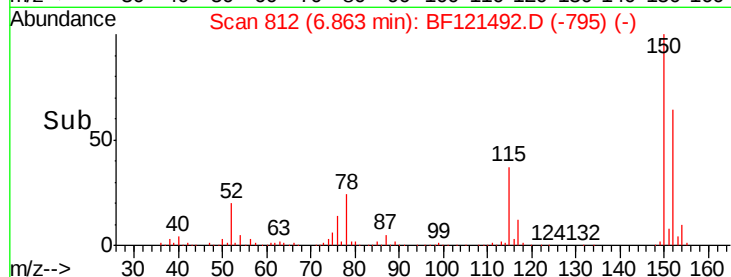
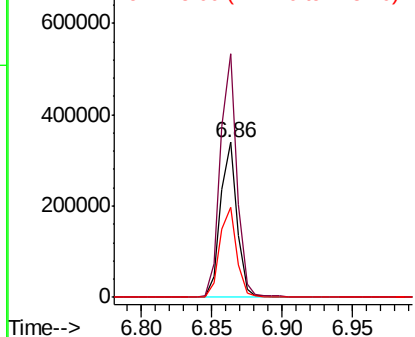


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

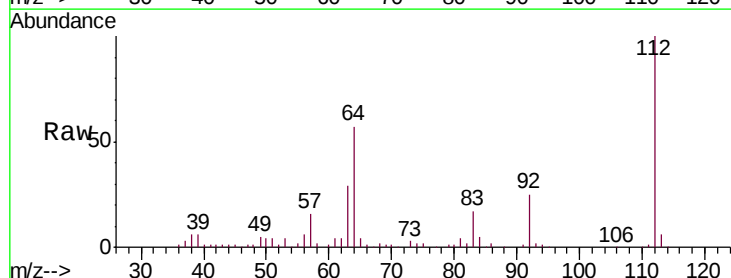
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 8.666 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF121492.D
Acq: 31 Aug 2020 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	144352		
64	57.5	48.2	72.2	
63	29.4	24.8	37.2	

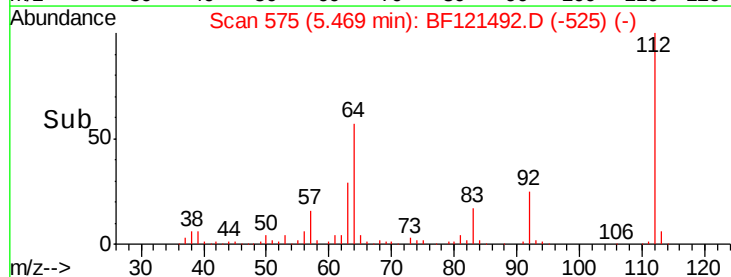
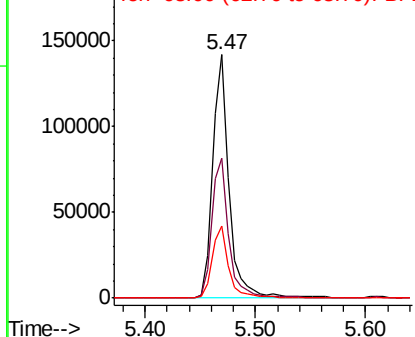


Abundance

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: 7.875 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF121492.D

Acq: 31 Aug 2020 22:36

Instrument :

BNA_F

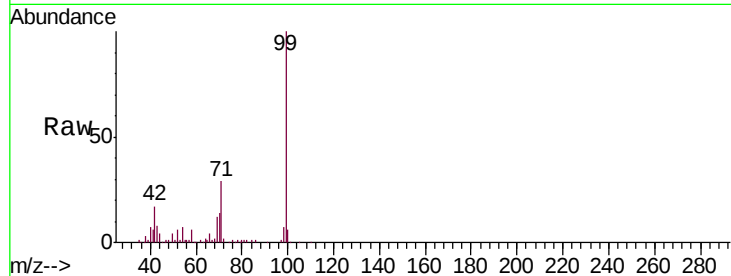
ClientSampleId :

LINDEN-JOP-BH-08-C

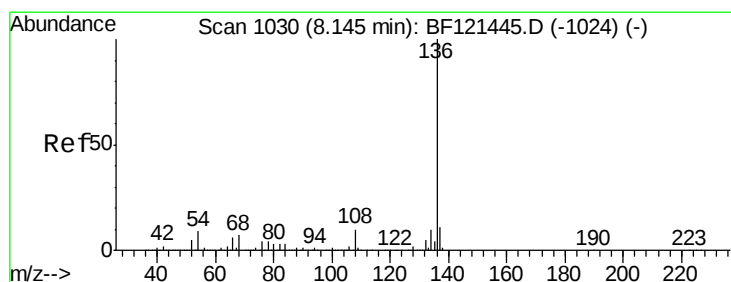
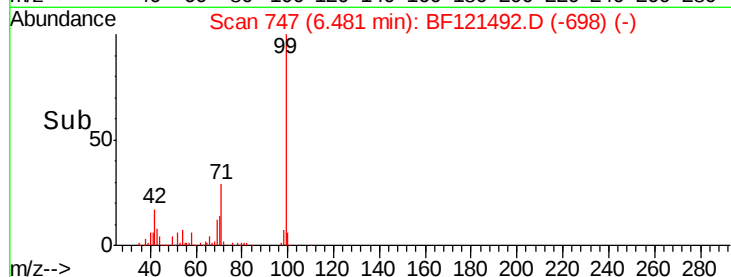
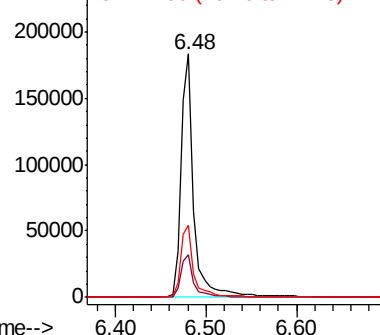
Tgt Ion:	99	Resp:	183321
Ion Ratio	Lower	Upper	
99	100		
42	17.4	13.5	20.3
71	29.4	24.6	37.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

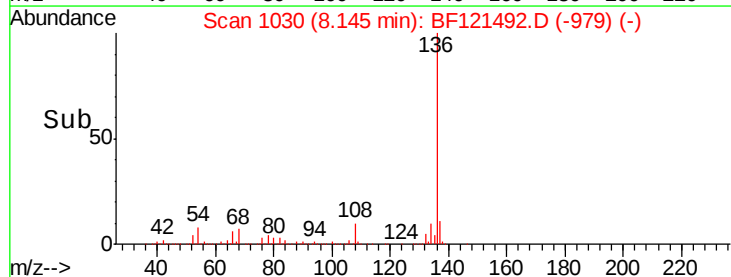
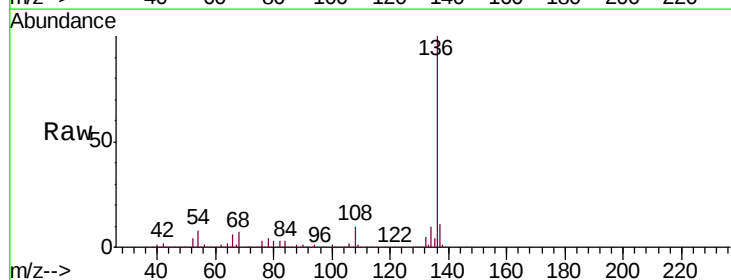
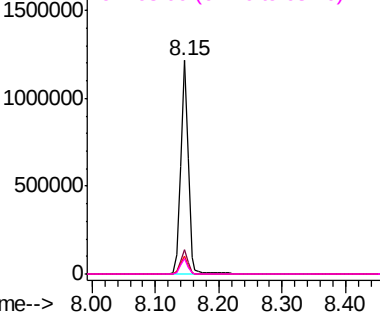
Delta R.T. -0.00 min

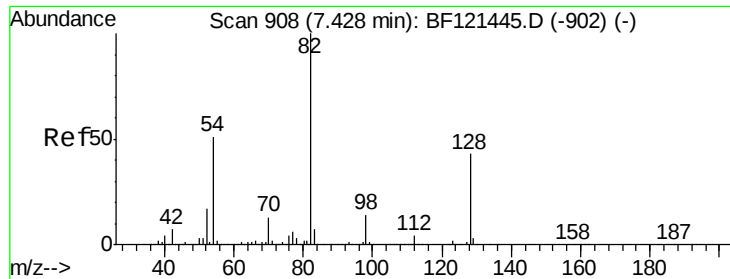
Lab File: BF121492.D

Acq: 31 Aug 2020 22:36

Tgt Ion:	136	Resp:	999886
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.1	13.7
54	8.4	7.0	10.4
68	6.9	5.5	8.3

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





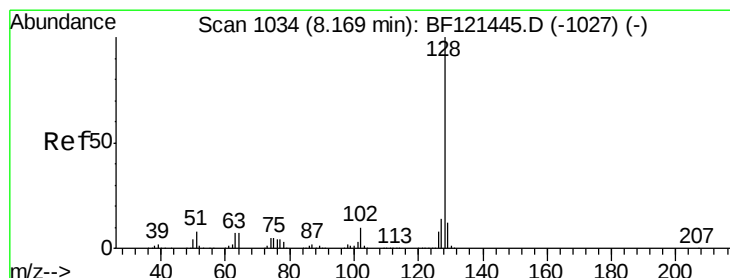
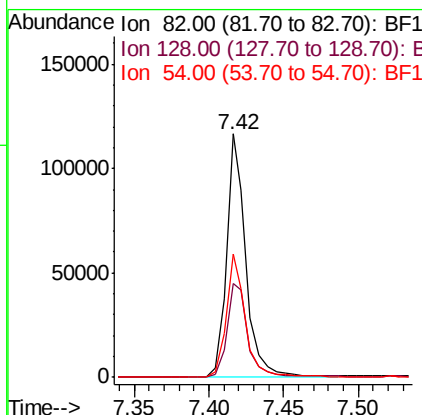
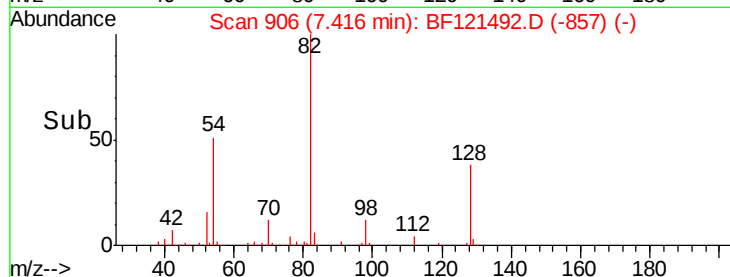
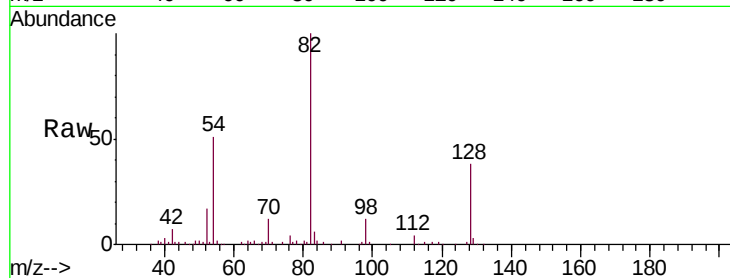
#23
Nitrobenzene-d5
Concen: 7.313 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF121492.D
Acq: 31 Aug 2020 22:36

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-C

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	106960		
128	38.4	34.1	51.1	
54	50.6	41.0	61.6	

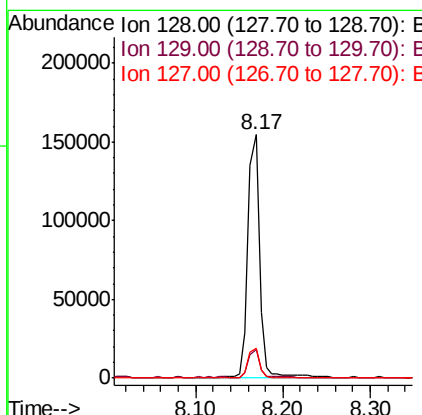
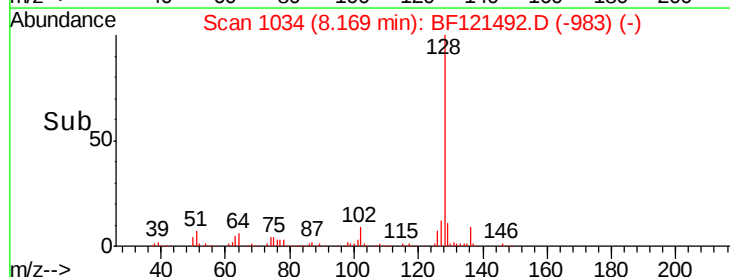
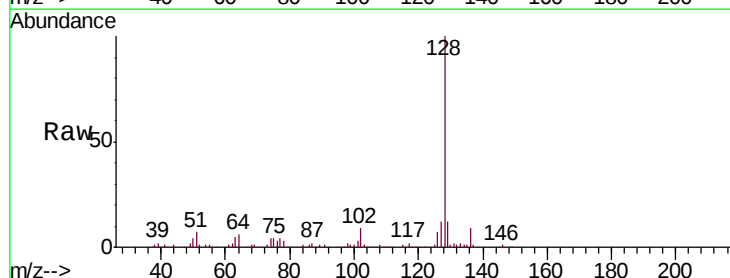
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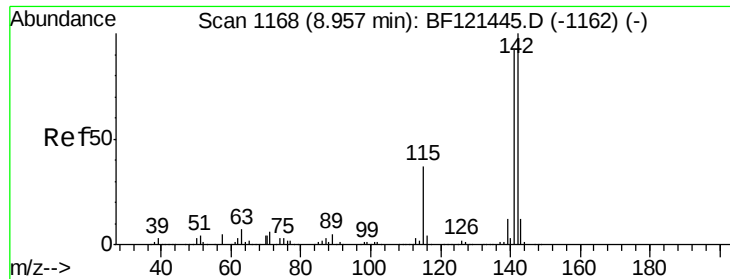
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#31
Naphthalene
Concen: 2.804 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF121492.D
Acq: 31 Aug 2020 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	139208		
129	11.7	9.6	14.4	
127	12.5	11.4	17.2	





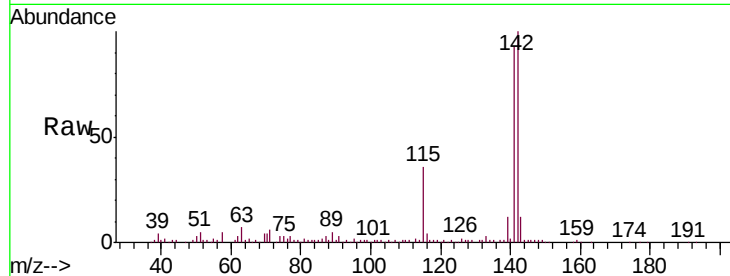
#38
1-Methylnaphthalene
Concen: 3.700 ng
RT: 8.96 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BF121492.D
Acq: 31 Aug 2020 22:36

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-C

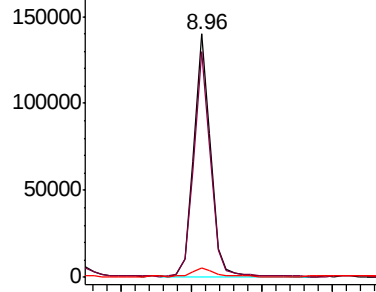
Tgt Ion	Ratio	Resp	Lower	Upper
142	100	114895		
141	92.9	73.7	110.5	
116	3.9	3.1	4.7	

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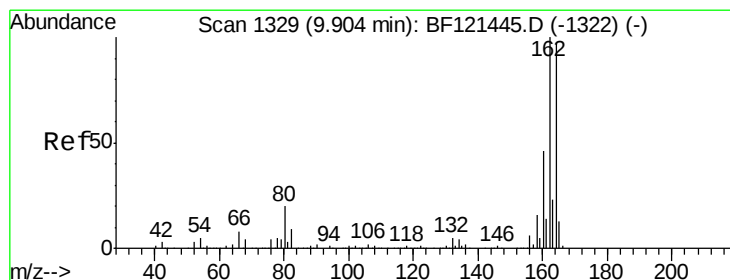
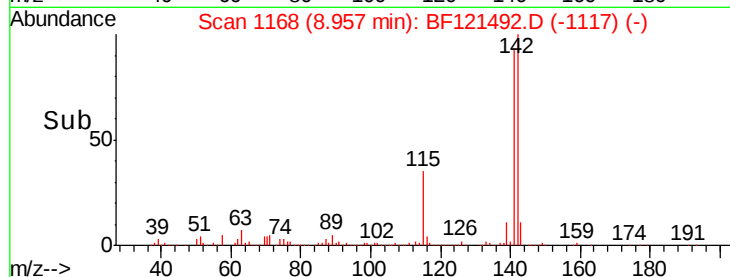
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Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

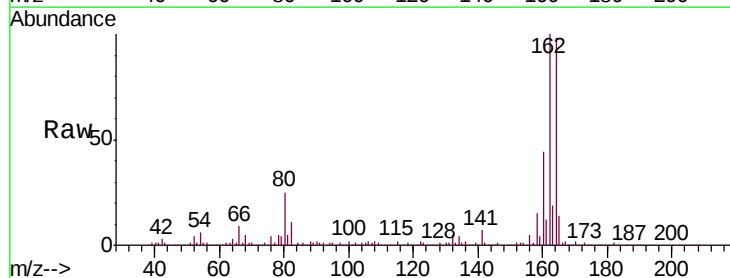


Time-->

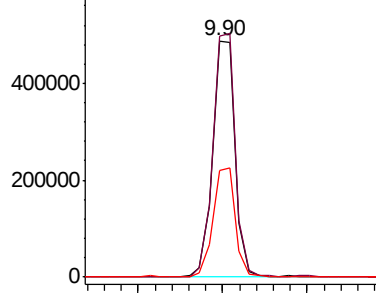


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF121492.D
Acq: 31 Aug 2020 22:36

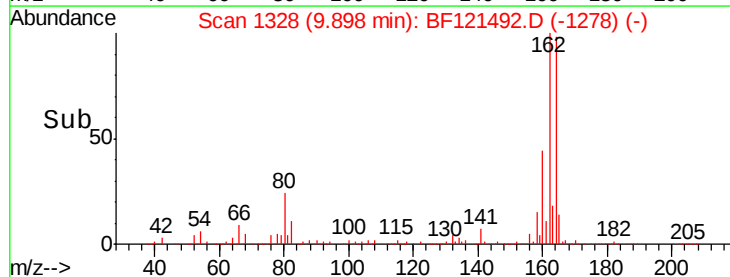
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	450652		
162	102.1	82.4	123.6	
160	45.3	37.6	56.4	

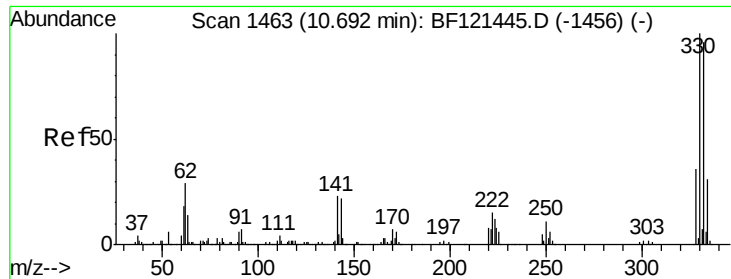


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->





#42

2,4,6-Tribromophenol

Concen: 8.068 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF121492.D

Acq: 31 Aug 2020 22:36

Instrument :

BNA_F

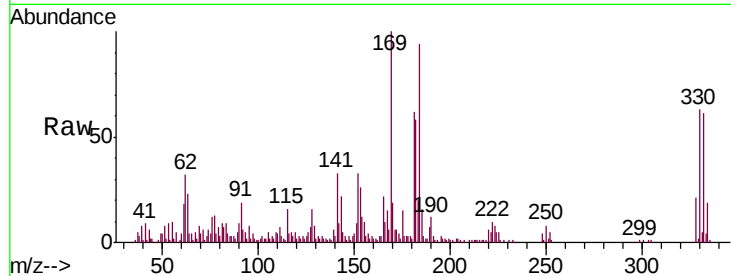
ClientSampleId :

LINDEN-JOP-BH-08-C

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	36722		
332	95.6	76.2	114.2	
141	46.4	24.6	36.8	

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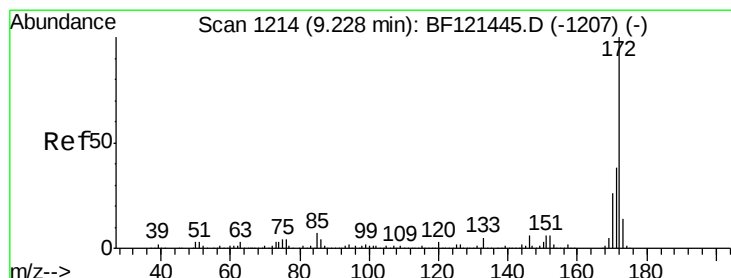
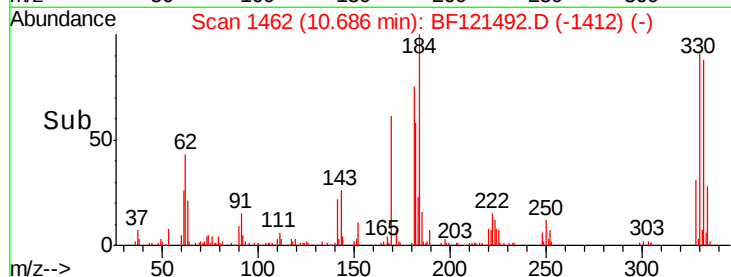
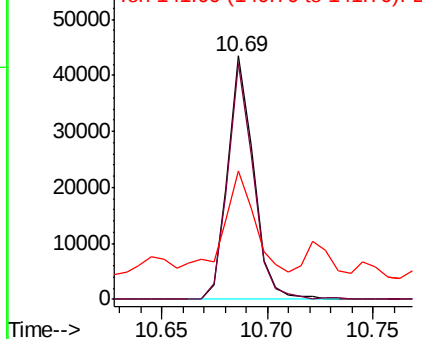


Abundance

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: 8.124 ng

RT: 9.22 min Scan# 1213

Delta R.T. -0.01 min

Lab File: BF121492.D

Acq: 31 Aug 2020 22:36

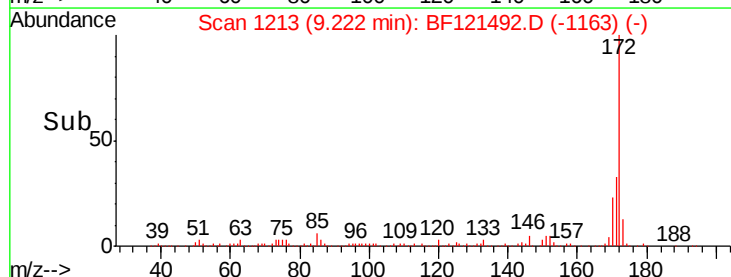
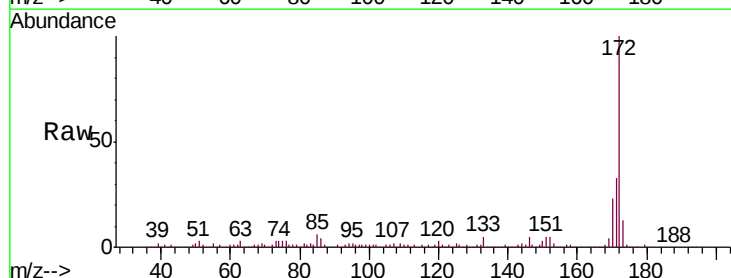
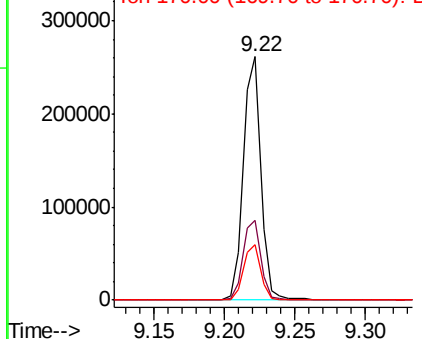
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	226911		
171	33.0	30.6	45.8	
170	22.6	20.6	31.0	

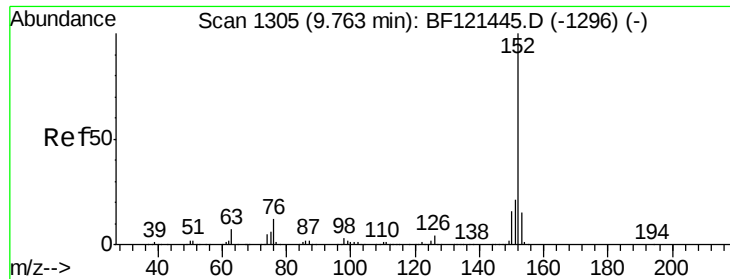
Abundance

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





#49

Acenaphthylene

Concen: 5.083 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BF121492.D

Acq: 31 Aug 2020 22:36

Instrument :

BNA_F

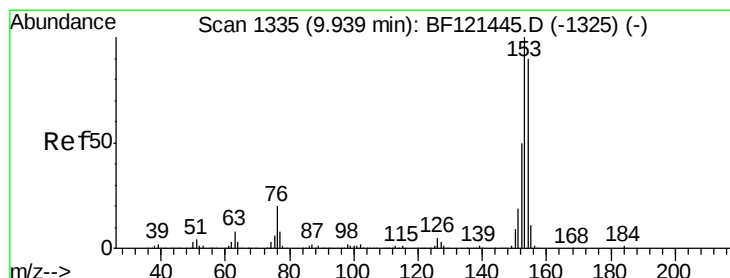
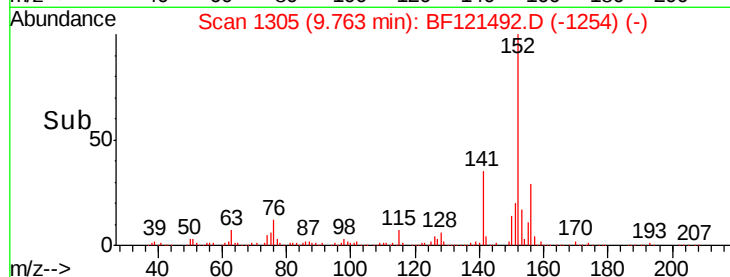
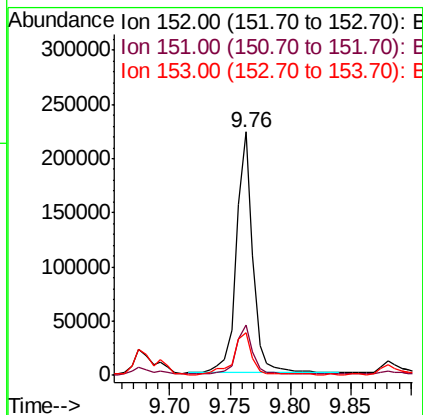
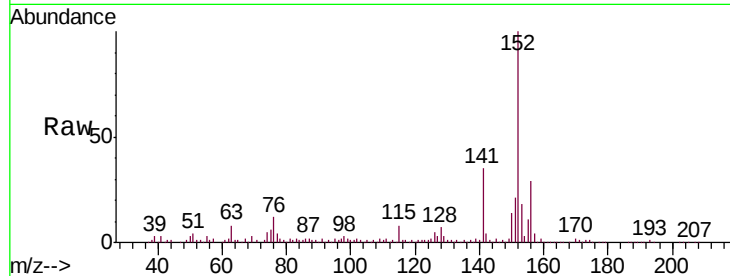
ClientSampleId :

LINDEN-JOP-BH-08-C

Tgt Ion:	152	Resp:	213103
Ion Ratio	Lower	Upper	
152	100		
151	20.5	17.2	25.8
153	17.6	11.6	17.4

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#52

Acenaphthene

Concen: 9.406 ng

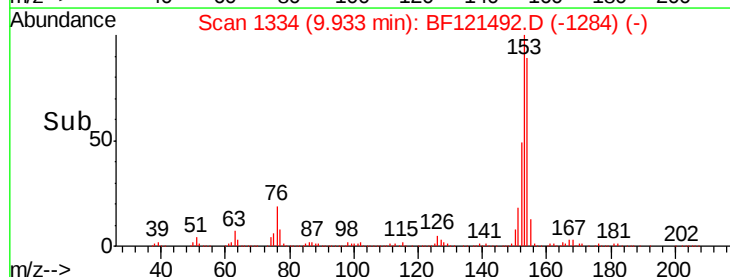
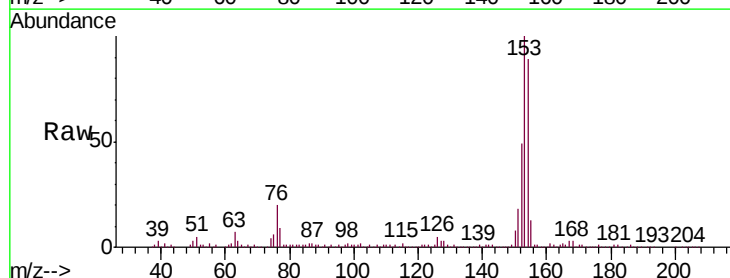
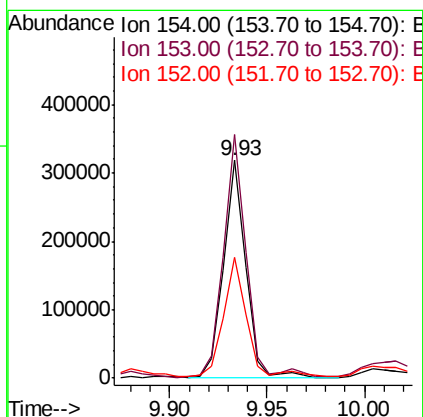
RT: 9.93 min Scan# 1334

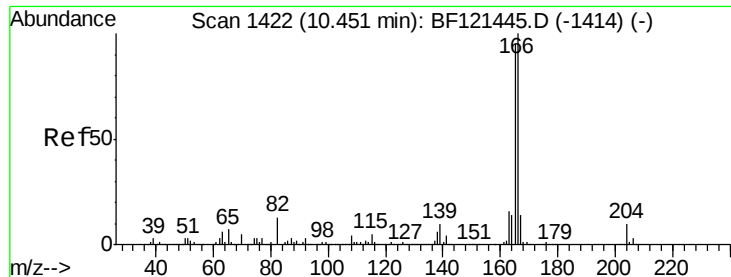
Delta R.T. -0.01 min

Lab File: BF121492.D

Acq: 31 Aug 2020 22:36

Tgt Ion:	154	Resp:	249017
Ion Ratio	Lower	Upper	
154	100		
153	111.9	88.9	133.3
152	55.3	44.1	66.1





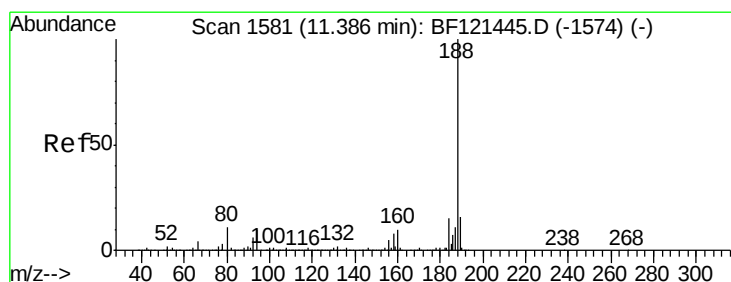
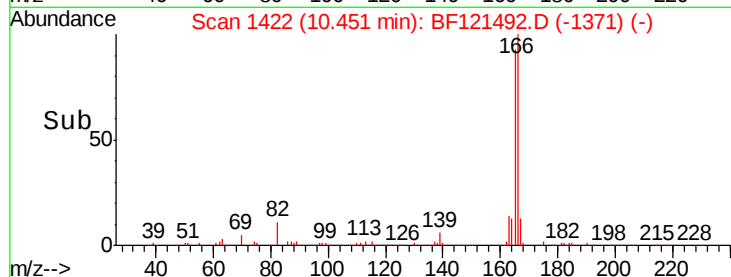
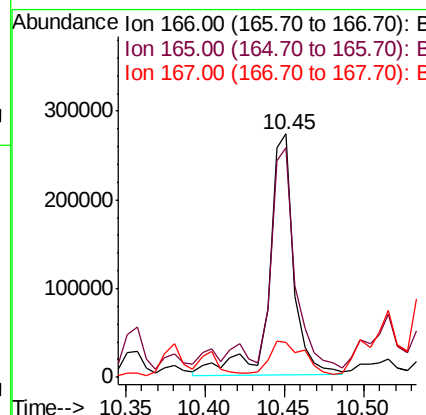
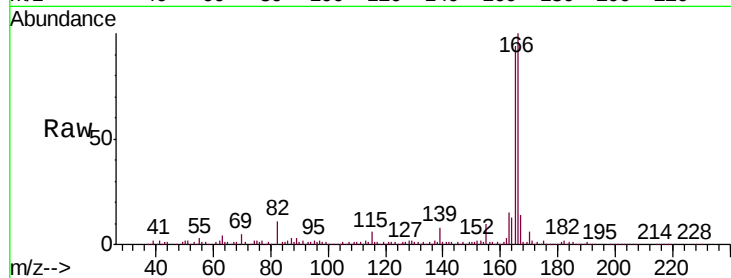
#58
 Fluorene
 Concen: 10.277 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.00 min
 Lab File: BF121492.D
 Acq: 31 Aug 2020 22:36

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-08-C

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	297945		
165	94.4	75.7	113.5	
167	14.5	11.1	16.7	

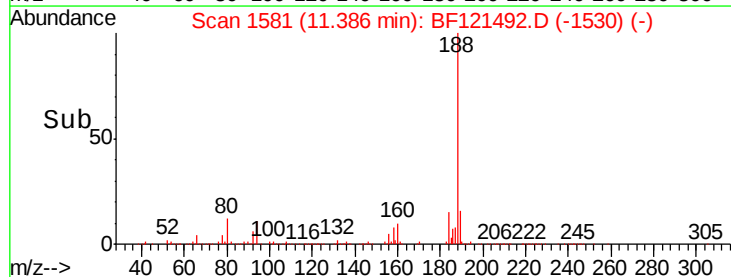
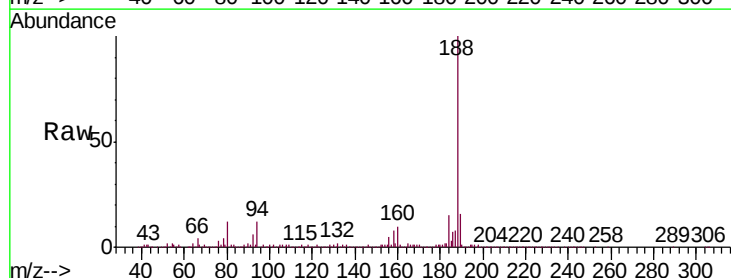
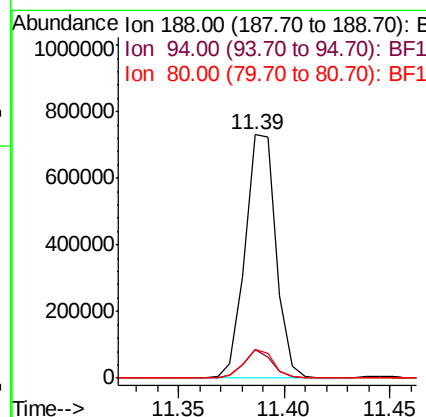
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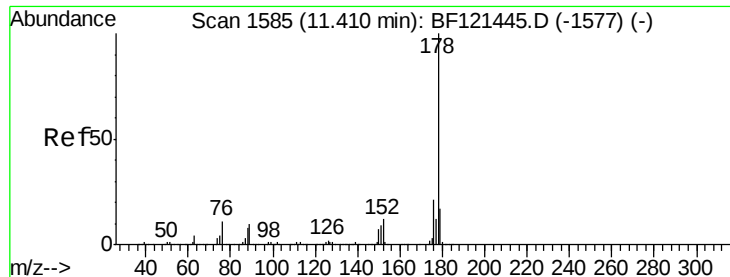
mohammad
 9/2/2020 1:56:33 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: BF121492.D
 Acq: 31 Aug 2020 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	738534		
94	11.6	8.3	12.5	
80	11.8	8.6	13.0	





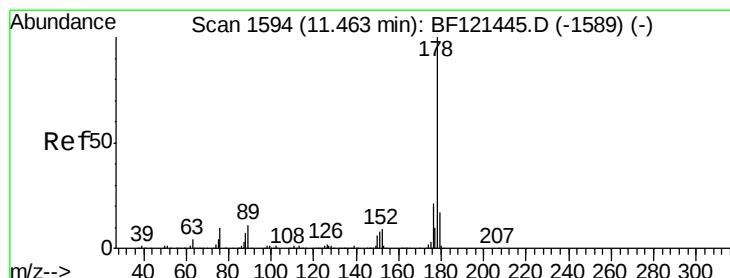
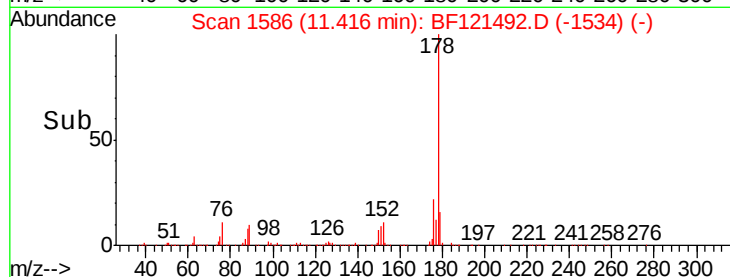
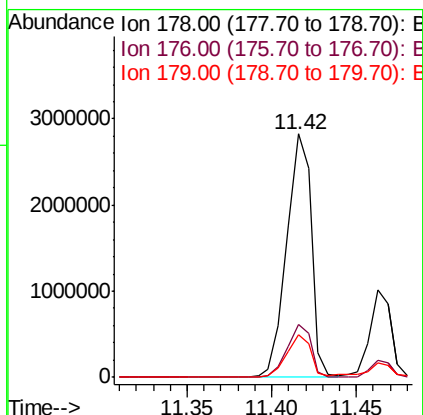
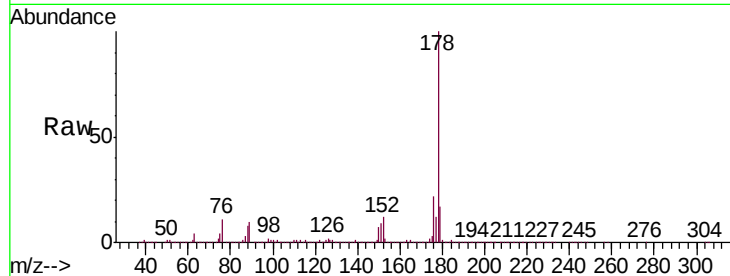
#71
Phenanthrene
Concen: 75.120 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.01 min
Lab File: BF121492.D
Acq: 31 Aug 2020 22:36

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-C

Tgt Ion:178 Resp: 2847056
Ion Ratio Lower Upper
178 100
176 21.7 16.9 25.3
179 17.5 13.4 20.0

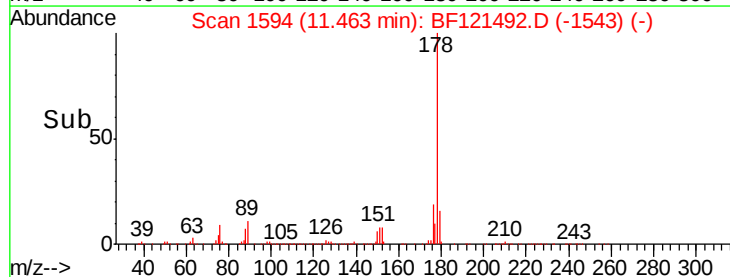
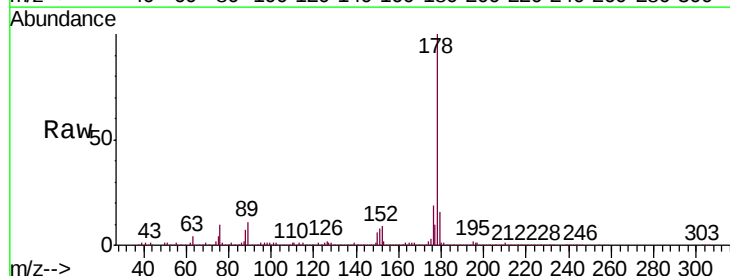
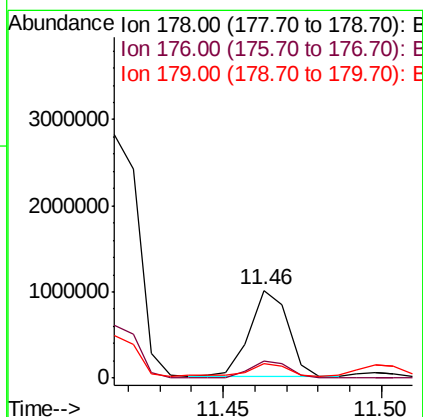
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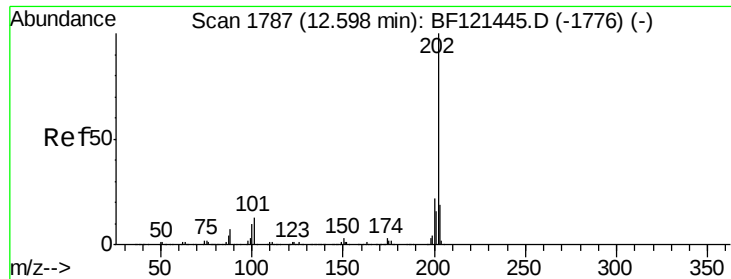
mohammad
9/2/2020 1:56:33 PM



#72
Anthracene
Concen: 22.682 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.00 min
Lab File: BF121492.D
Acq: 31 Aug 2020 22:36

Tgt Ion:178 Resp: 845490
Ion Ratio Lower Upper
178 100
176 19.5 16.7 25.1
179 16.3 13.4 20.2





#75

Fluoranthene

Concen: 104.029 ng

RT: 12.62 min Scan# 1790

Delta R.T. 0.02 min

Lab File: BF121492.D

Acq: 31 Aug 2020 22:36

Instrument :

BNA_F

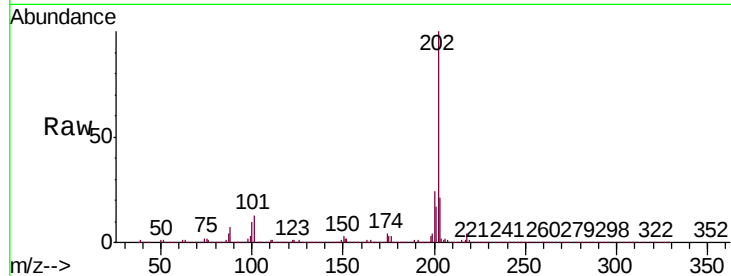
ClientSampleId :

LINDEN-JOP-BH-08-C

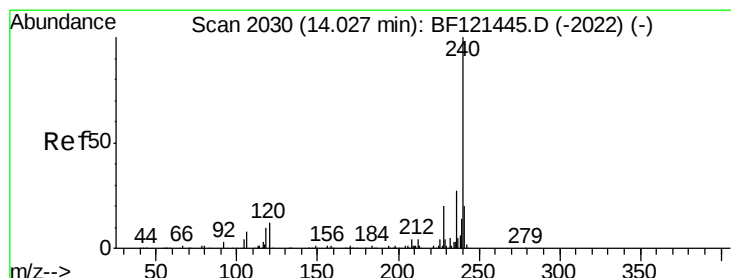
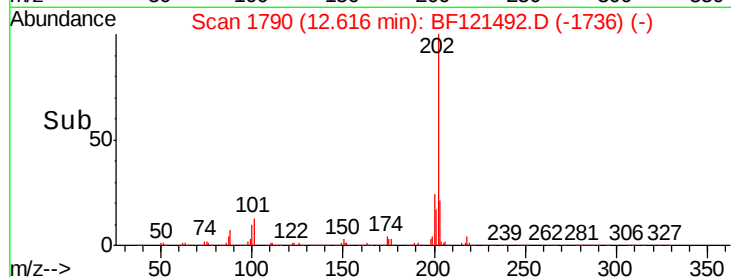
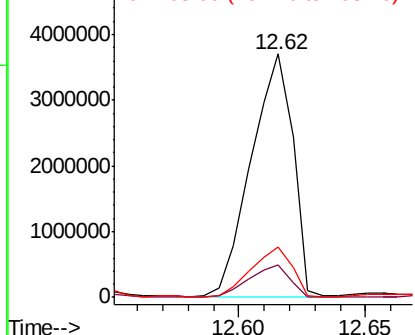
Tgt Ion:	202	Resp:	4249248
Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.3
203	20.8	0.0	39.1

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Abundance Ion 202.00 (201.70 to 202.70): E
5000000
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

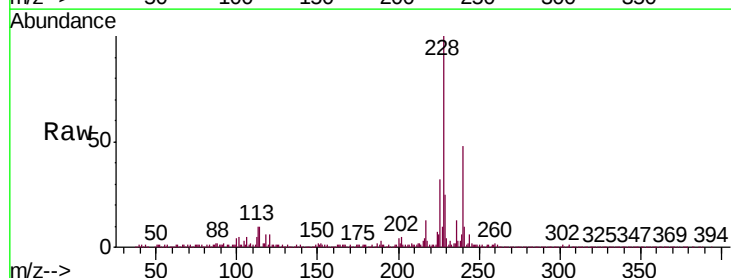
RT: 14.04 min Scan# 2032

Delta R.T. 0.01 min

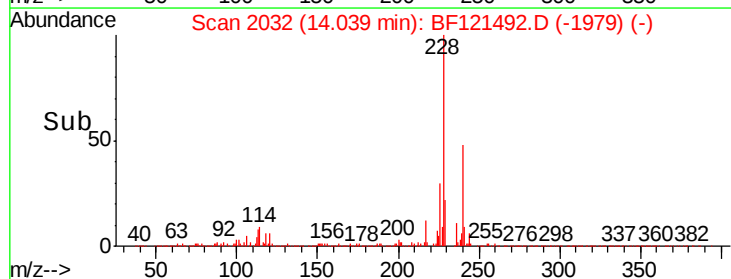
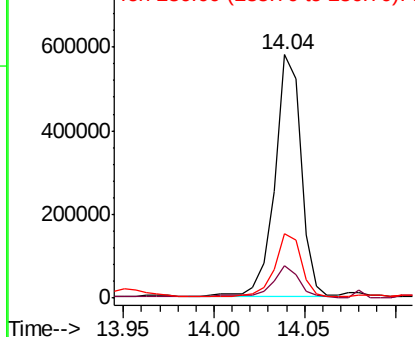
Lab File: BF121492.D

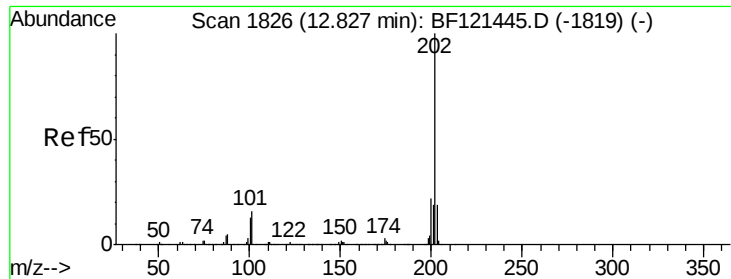
Acq: 31 Aug 2020 22:36

Tgt Ion:	240	Resp:	579313
Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.5	14.3
236	26.4	21.8	32.6



Abundance Ion 240.00 (239.70 to 240.70): E
800000
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





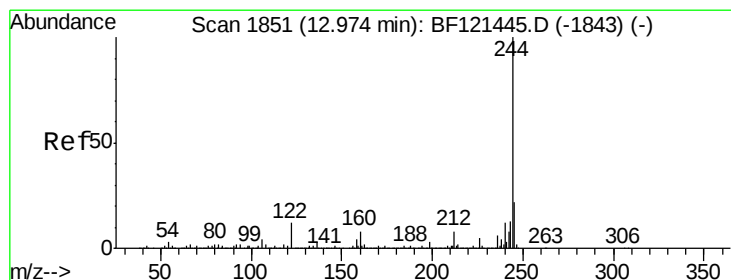
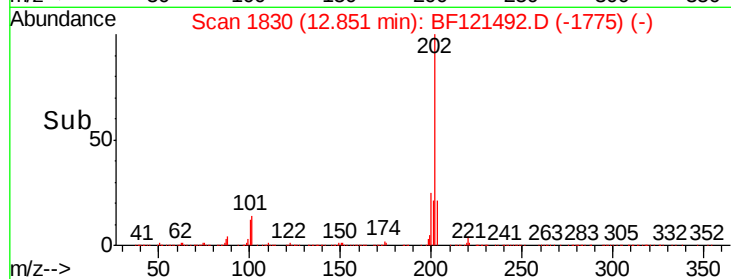
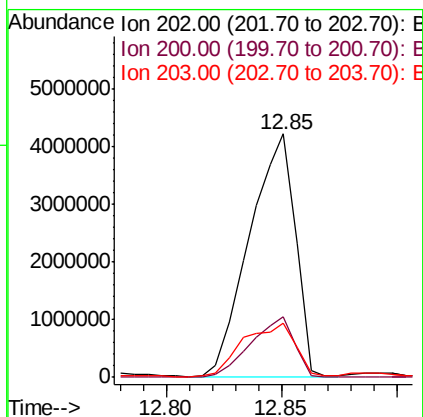
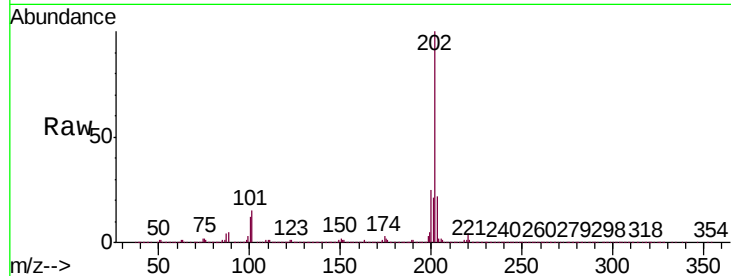
#78
 Pyrene
 Concen: 140.258 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. 0.02 min
 Lab File: BF121492.D
 Acq: 31 Aug 2020 22:36

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-08-C

Tgt Ion	Ratio	Lower	Upper
202	100		
200	24.8	18.0	27.0
203	22.0	15.3	22.9

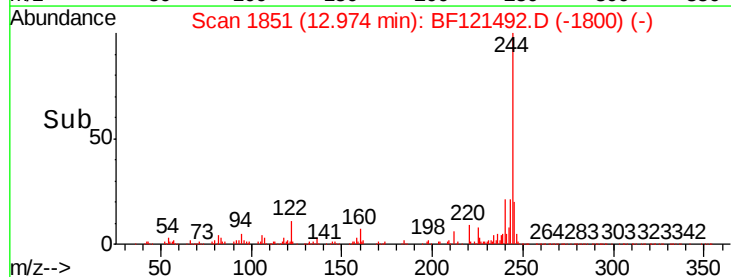
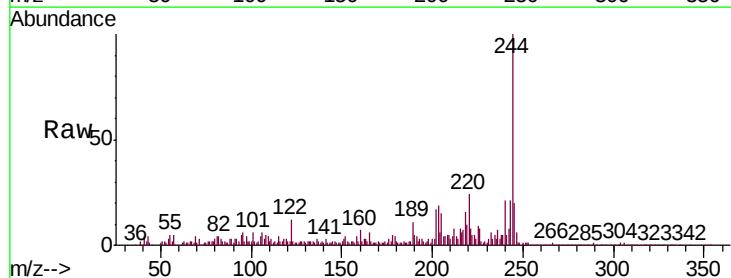
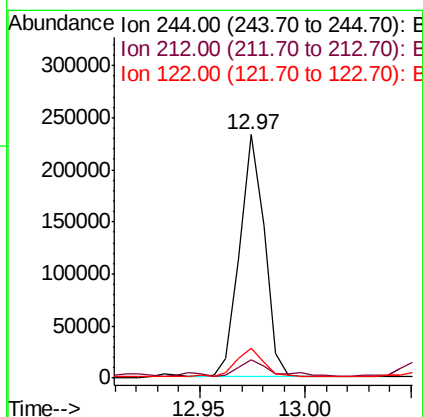
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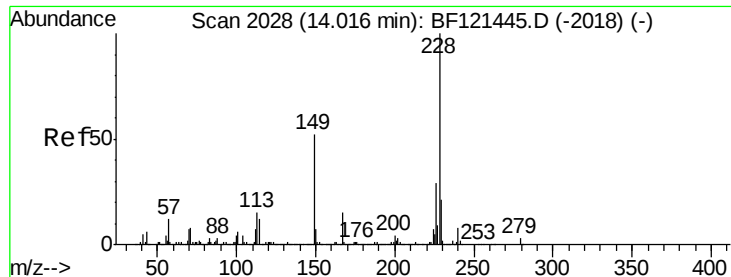
mohammad
 9/2/2020 1:56:33 PM



#79
 Terphenyl-d14
 Concen: 6.860 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: BF121492.D
 Acq: 31 Aug 2020 22:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.3	9.5
122	12.2	9.5	14.3





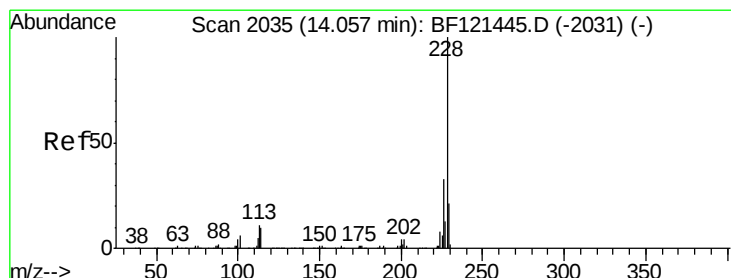
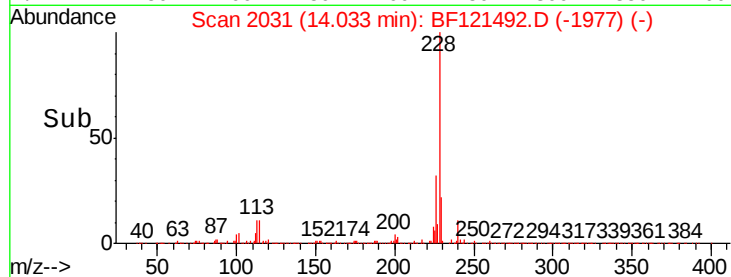
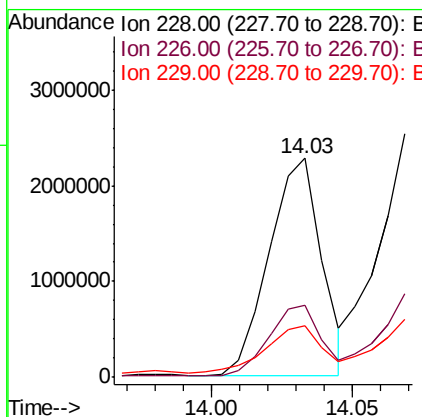
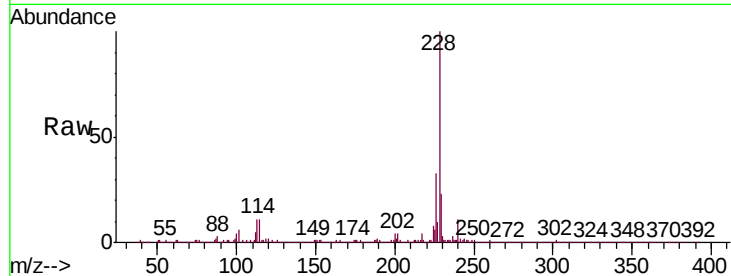
#81
Benzo(a)anthracene
Concen: 82.769 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.02 min
Lab File: BF121492.D
Acq: 31 Aug 2020 22:36

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-C

Tgt Ion:228 Resp: 2927056
Ion Ratio Lower Upper
228 100
226 32.9 23.0 34.4
229 23.3 16.6 24.8

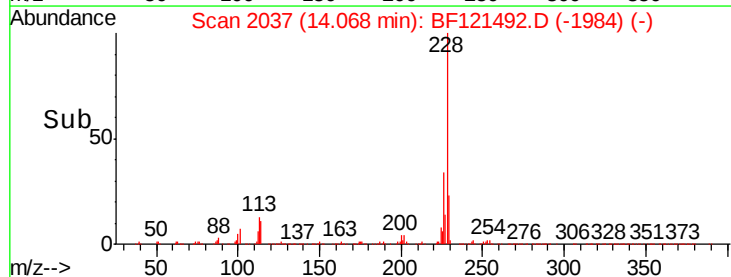
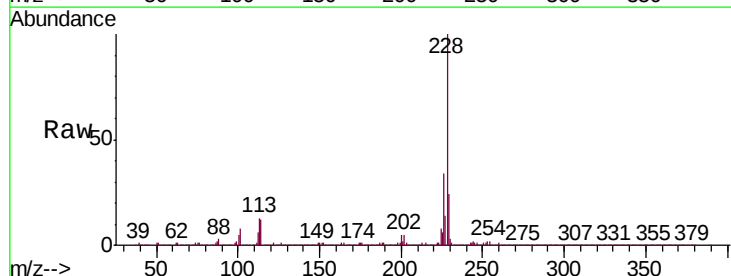
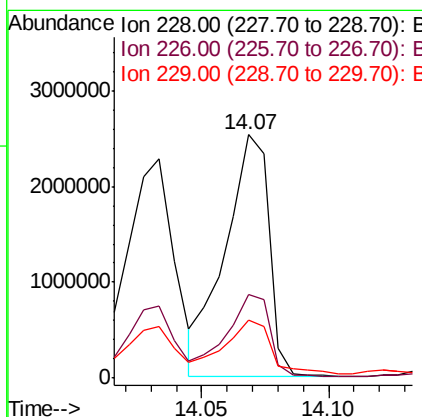
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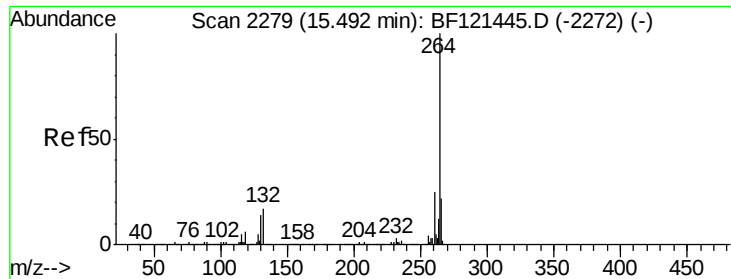
mohammad
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#83
Chrysene
Concen: 86.254 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.01 min
Lab File: BF121492.D
Acq: 31 Aug 2020 22:36

Tgt Ion:228 Resp: 3051694
Ion Ratio Lower Upper
228 100
226 34.2 26.2 39.2
229 23.9 16.6 25.0





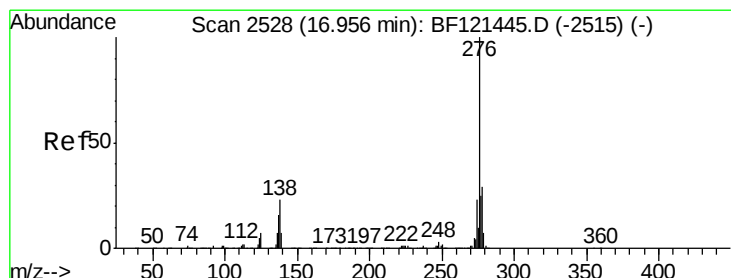
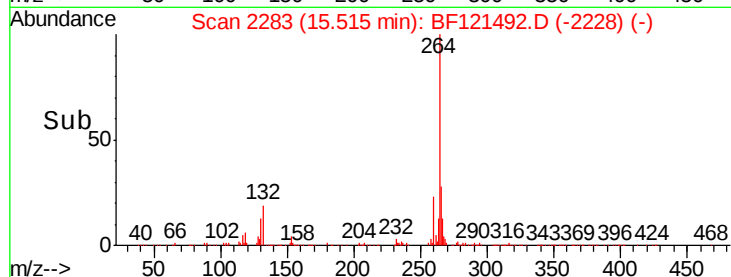
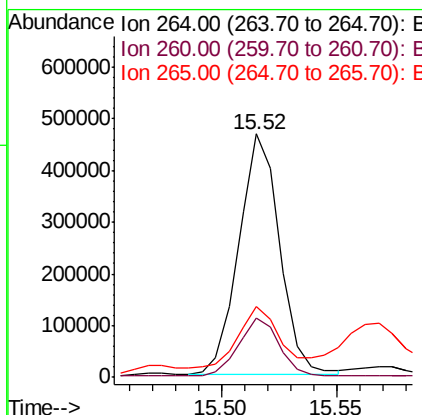
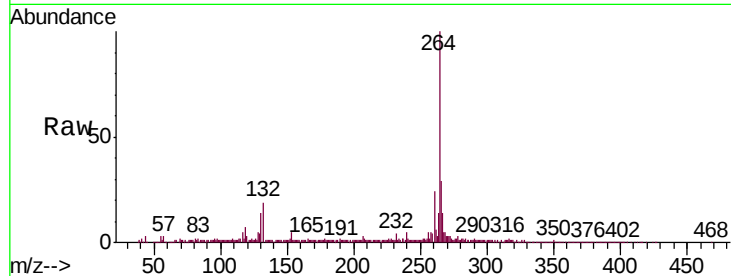
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.02 min
Lab File: BF121492.D
Acq: 31 Aug 2020 22:36

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-C

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	29.1	17.8	26.6

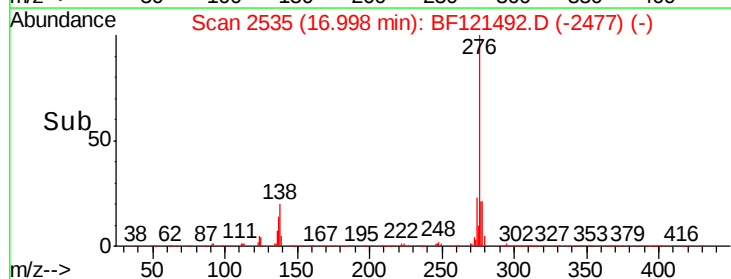
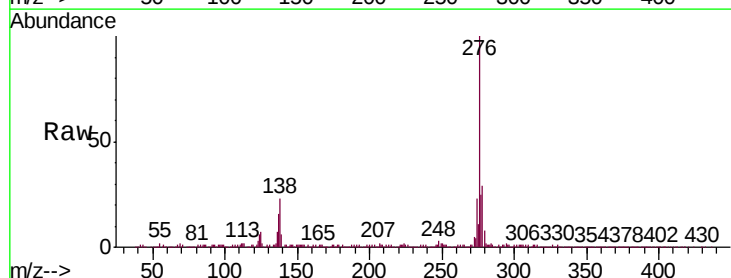
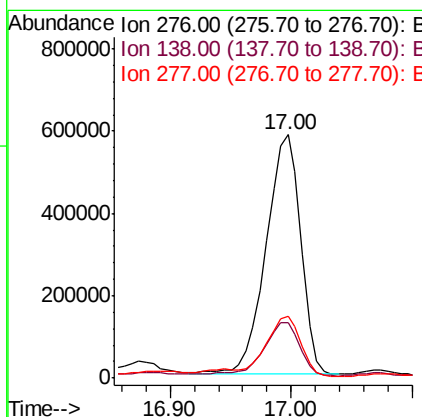
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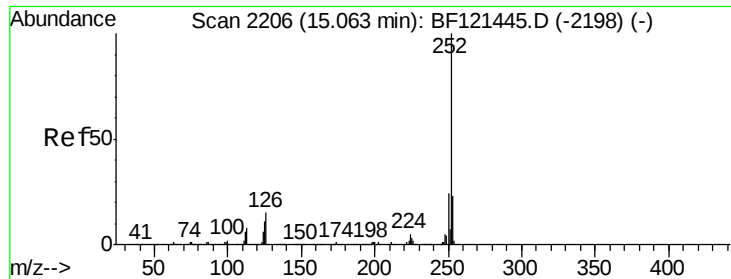
mohammad
9/2/2020 1:56:33 PM



#87
Indeno(1,2,3-cd)pyrene
Concen: 33.220 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.04 min
Lab File: BF121492.D
Acq: 31 Aug 2020 22:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.7	20.6	31.0
277	24.6	20.5	30.7





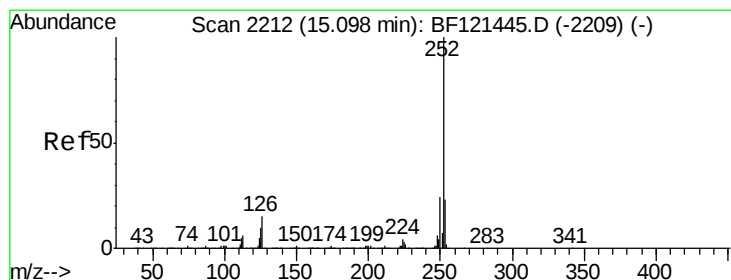
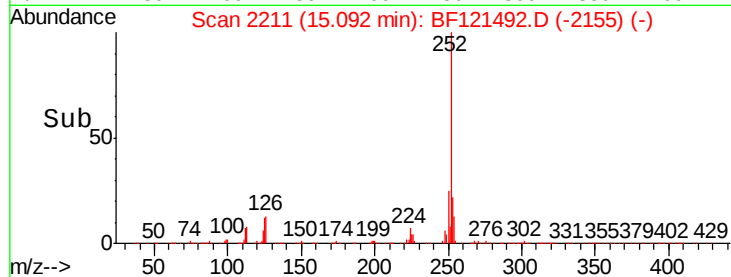
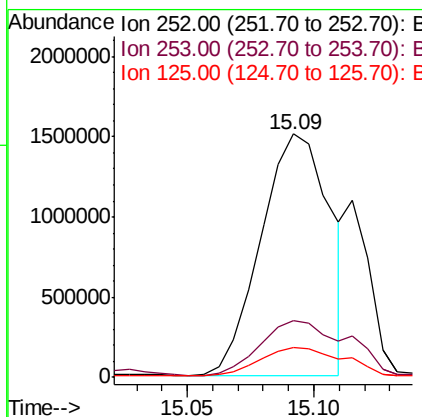
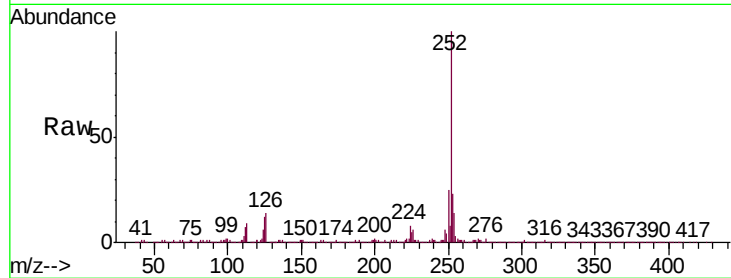
#88
Benzo(b)fluoranthene
Concen: 76.838 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.03 min
Lab File: BF121492.D
Acq: 31 Aug 2020 22:36

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-C

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.3	27.5
125	12.1	9.2	13.8

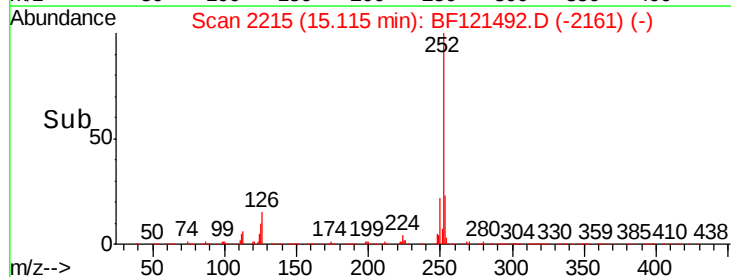
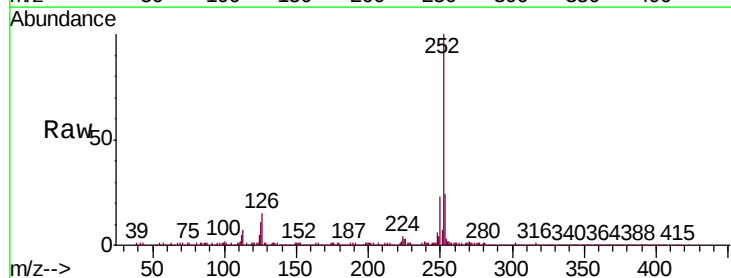
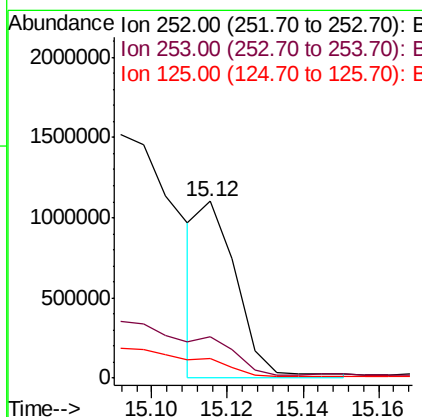
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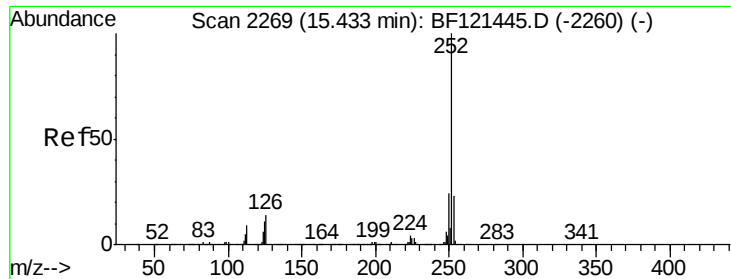
mohammad
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#89
Benzo(k)fluoranthene
Concen: 21.709 ng m
RT: 15.12 min Scan# 2215
Delta R.T. 0.02 min
Lab File: BF121492.D
Acq: 31 Aug 2020 22:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.3	27.5
125	10.8	8.5	12.7





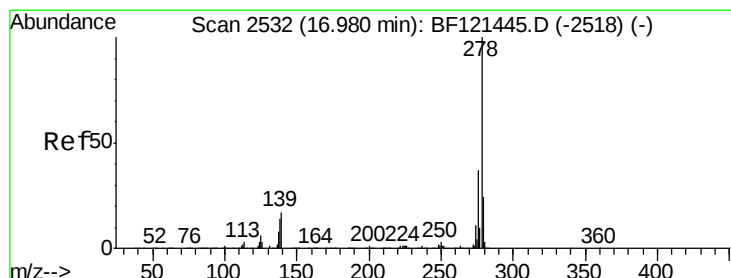
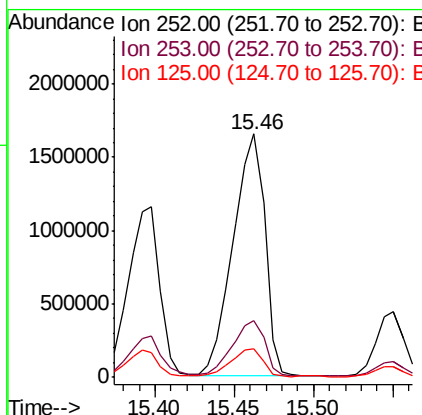
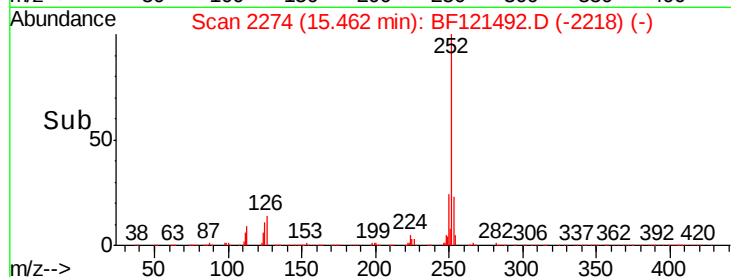
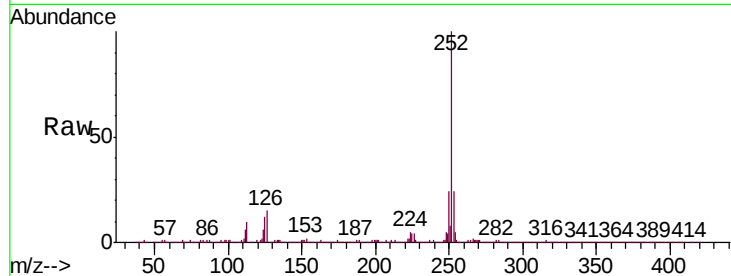
#90
Benzo(a)pyrene
Concen: 68.696 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.03 min
Lab File: BF121492.D
Acq: 31 Aug 2020 22:36

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-C

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	11.5	9.0	13.4

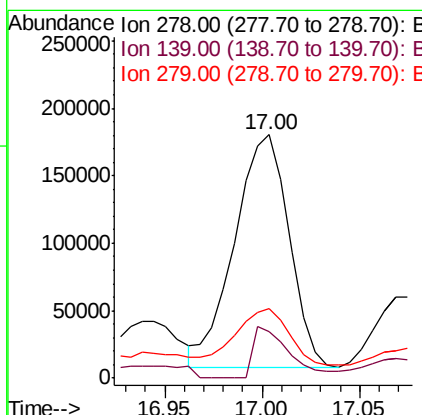
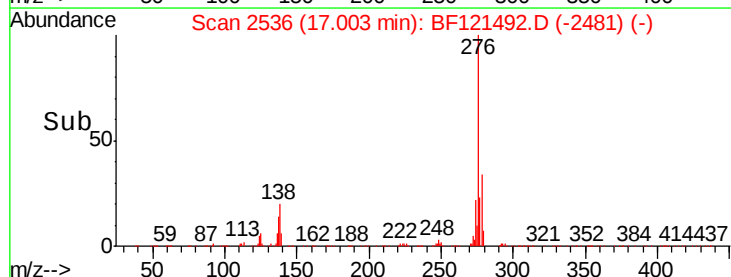
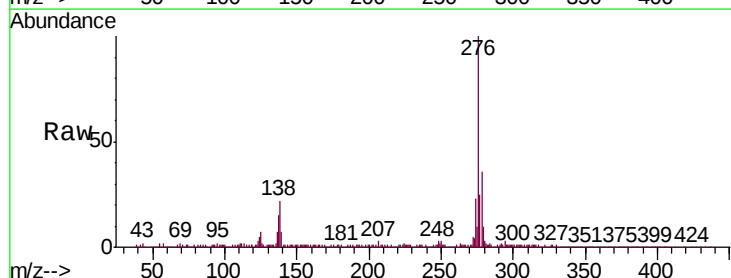
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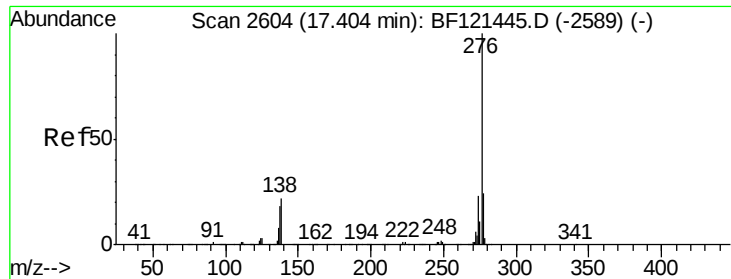
mohammad
9/2/2020 1:56:33 PM



#91
Dibenzo(a,h)anthracene
Concen: 11.641 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.02 min
Lab File: BF121492.D
Acq: 31 Aug 2020 22:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.1	13.3	19.9
279	28.6	19.4	29.0





#92
 Benzo(g,h,i)perylene
 Concen: 43.410 ng
 RT: 17.45 min Scan# 2612
 Delta R.T. 0.05 min
 Lab File: BF121492.D
 Acq: 31 Aug 2020 22:36

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-08-C

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.9	28.3
138	22.2	17.4	26.0

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