

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
 Data File : BF121488.D
 Acq On : 31 Aug 2020 20:33
 Operator : JU/CG
 Sample : L3847-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-09-A

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Quant Time: Sep 01 01:54:30 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	302495	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1128233	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	538077	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	897348	20.00	ng	0.00
76) Chrysene-d12	14.04	240	575945	20.00	ng	0.01
86) Perylene-d12	15.51	264	649541	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1200927	66.61	ng	0.00
7) Phenol-d6	6.49	99	1561224	61.96	ng	0.00
23) Nitrobenzene-d5	7.42	82	978044	59.26	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	379360	69.80	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1794359	53.81	ng	0.00
79) Terphenyl-d14	12.97	244	1444723	52.80	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.17	128	629418	11.237	ng	97
37) 2-Methylnaphthalene	8.86	142	198793	5.357	ng	98
38) 1-Methylnaphthalene	8.96	142	154411	4.406	ng	98
49) Acenaphthylene	9.76	152	217889	4.353	ng	98
50) Dimethylphthalate	9.61	163	109404	2.960	ng	99
52) Acenaphthene	9.93	154	266120	8.419	ng	98
55) Dibenzofuran	10.10	168	417233	9.087	ng	98
58) Fluorene	10.45	166	488810	14.122	ng	100
71) Phenanthrene	11.42	178	4607012	100.043	ng	96
72) Anthracene	11.46	178	1227409	27.100	ng	97
73) Carbazole	11.62	167	636917	14.583	ng	97
75) Fluoranthene	12.62	202	5700708	114.864	ng	97
78) Pyrene	12.84	202	5466126	132.890	ng	95
81) Benzo(a)anthracene	14.03	228	3189268	90.711	ng	95
83) Chrysene	14.07	228	2933730	83.404	ng	97
87) Indeno(1,2,3-cd)pyrene	16.99	276	1733344	43.371	ng	95
88) Benzo(b)fluoranthene	15.09	252	3853209m	91.195	ng	
89) Benzo(k)fluoranthene	15.12	252	1343472m	34.185	ng	
90) Benzo(a)pyrene	15.46	252	2855099	75.147	ng	98
91) Dibenzo(a,h)anthracene	17.00	278	451610m	13.805	ng	
92) Benzo(g,h,i)perylene	17.44	276	1632567	51.805	ng	97

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

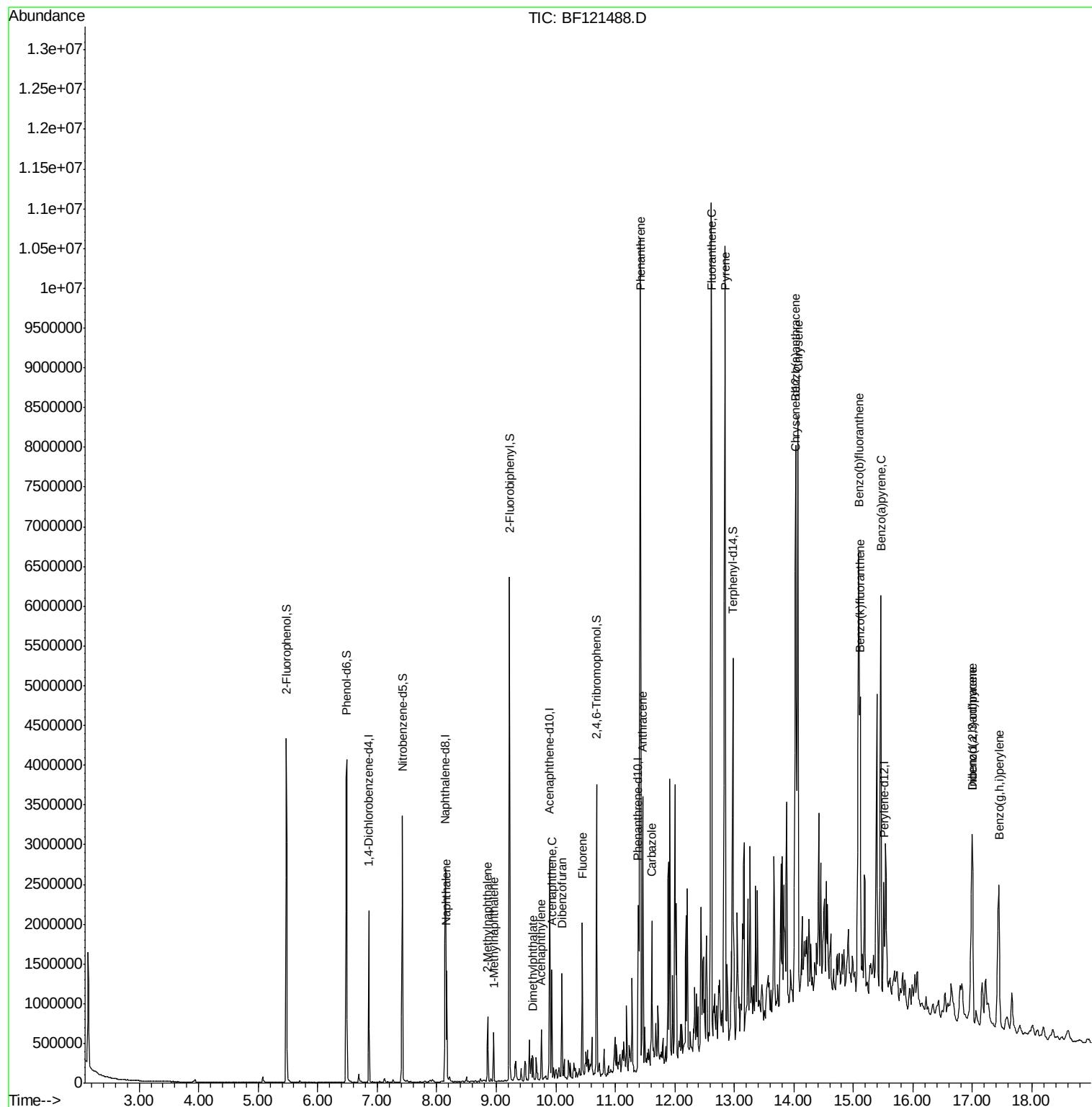
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121488.D
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ALS Vial : 17 Sample Multiplier: 1

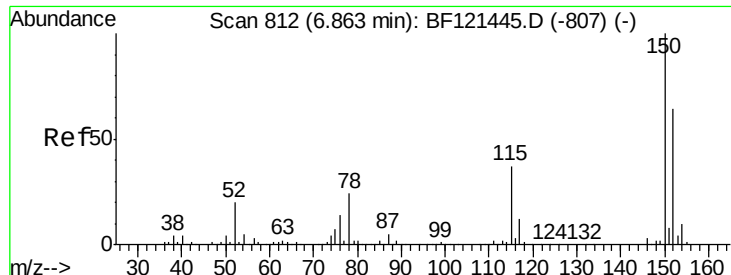
Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-A

Quant Time: Sep 01 01:54:30 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
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#1

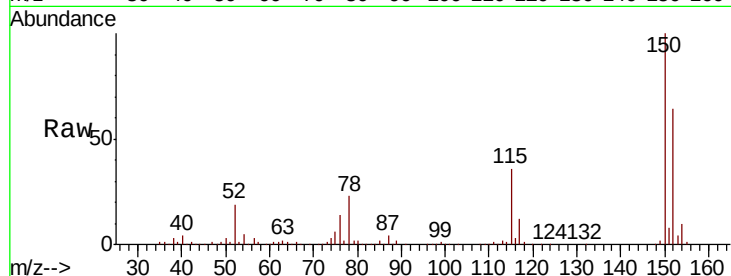
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	125.8	188.6
115	57.0	46.6	69.8

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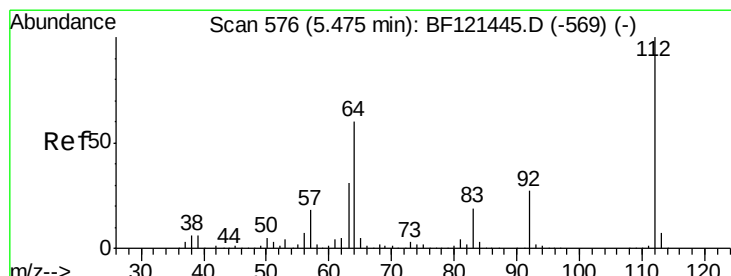
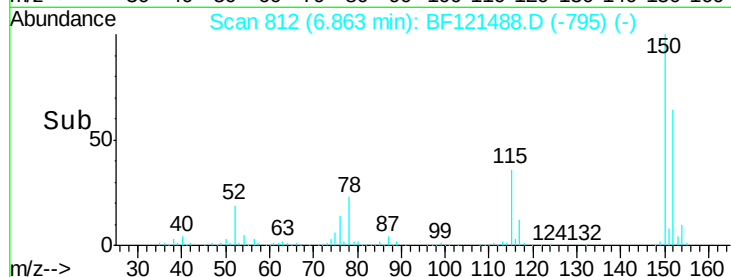
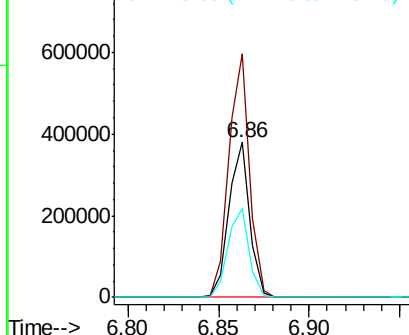


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

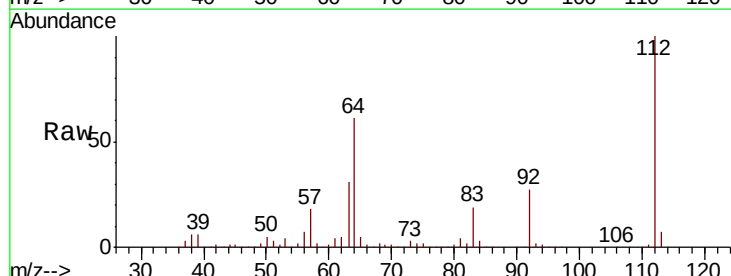
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 66.608 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.00 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	48.2	72.2
63	31.2	24.8	37.2

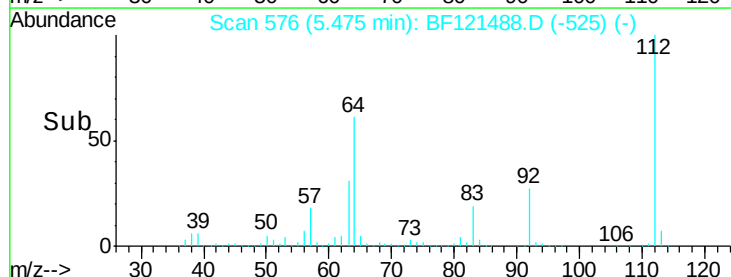
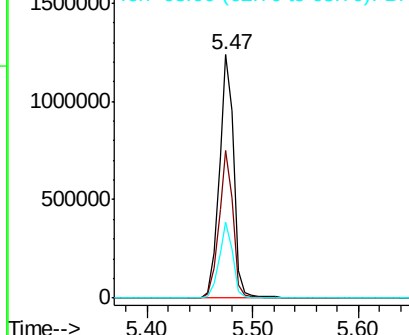


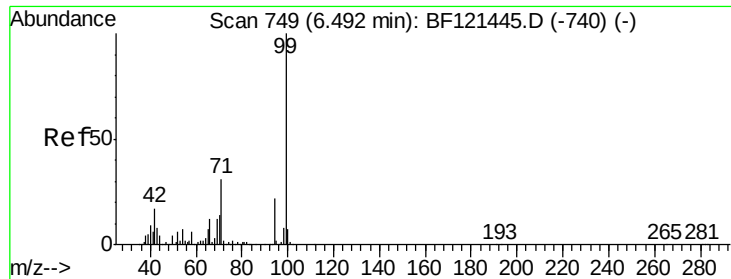
Abundance

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: 61.963 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-09-A

Tot Ion: 99 Resp: 1561224

Ion Ratio Lower Upper

99 100

42 16.1 13.5 20.3

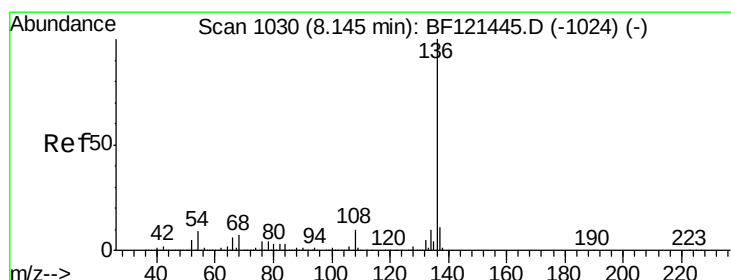
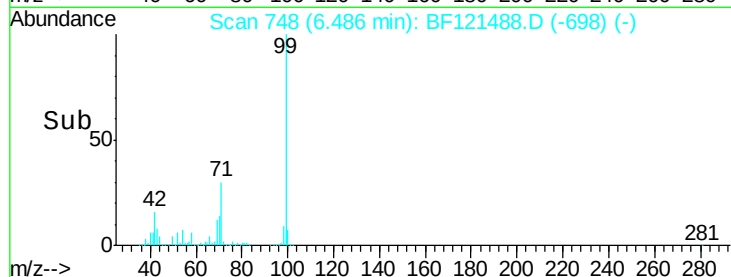
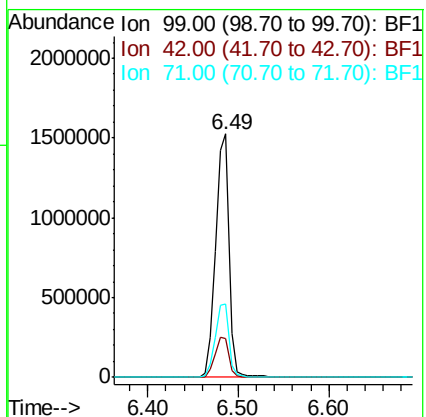
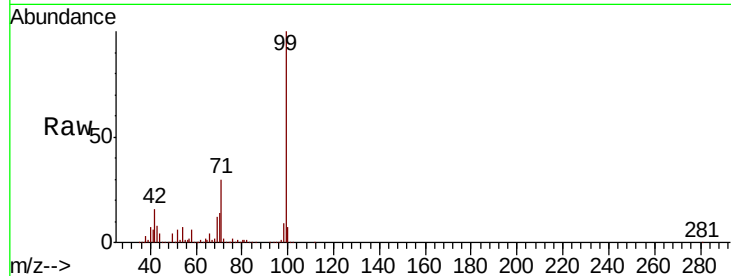
71 30.3 24.6 37.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

Tgt Ion: 136 Resp: 1128233

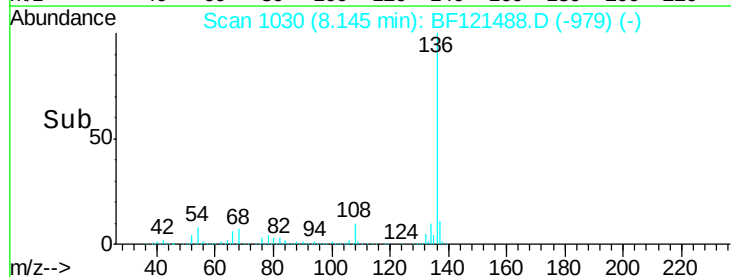
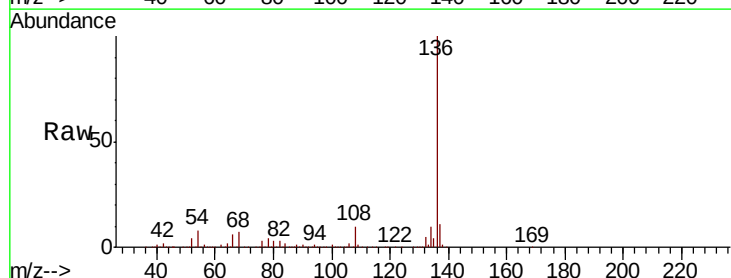
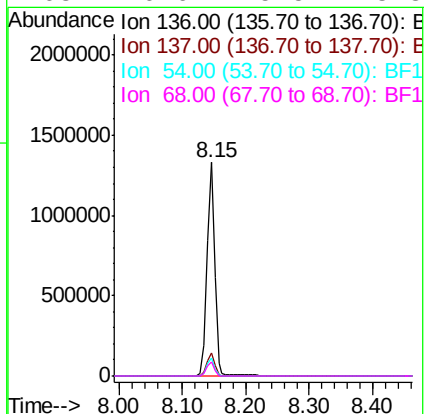
Ion Ratio Lower Upper

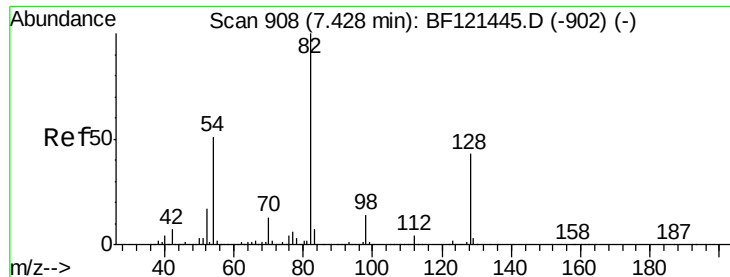
136 100

137 11.1 9.1 13.7

54 8.3 7.0 10.4

68 6.6 5.5 8.3





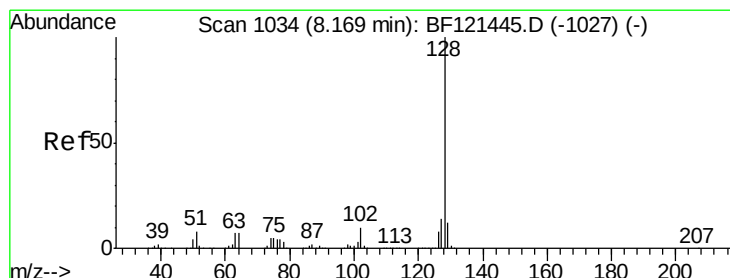
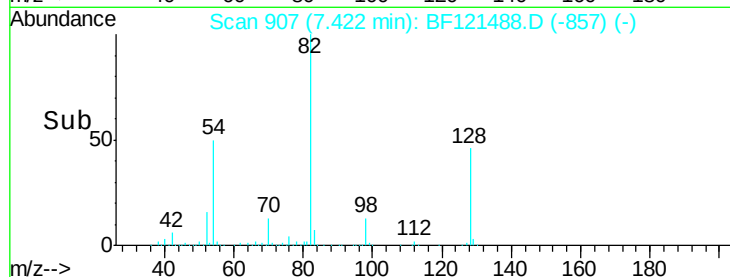
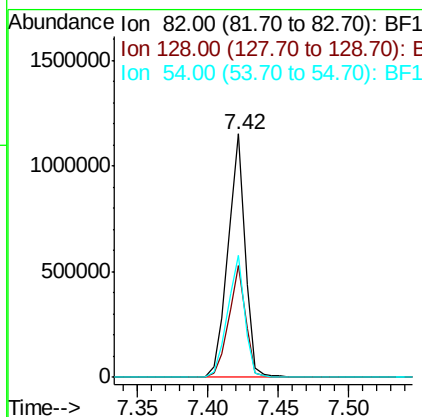
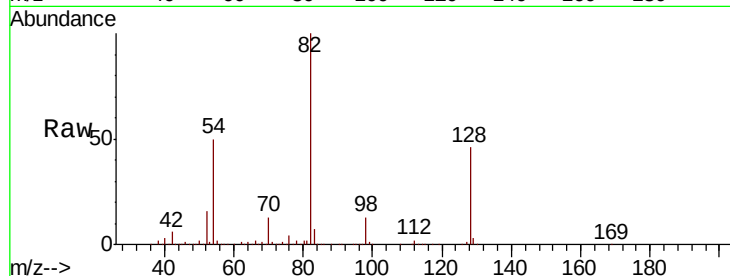
#23
Nitrobenzene-d5
Concen: 59.265 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-A

Tot Ion	Ratio	Resp	Lower	Upper
82	100	978044		
128	45.8		34.1	51.1
54	49.9		41.0	61.6

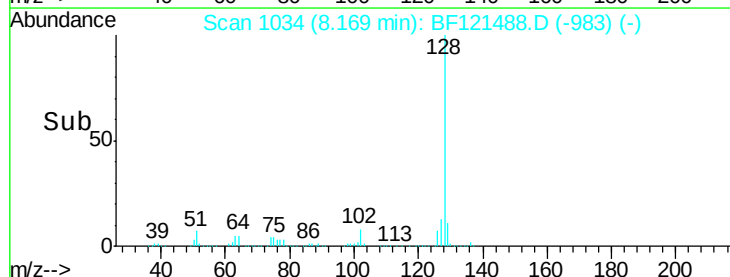
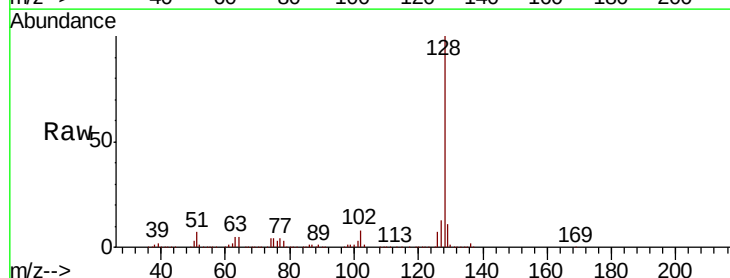
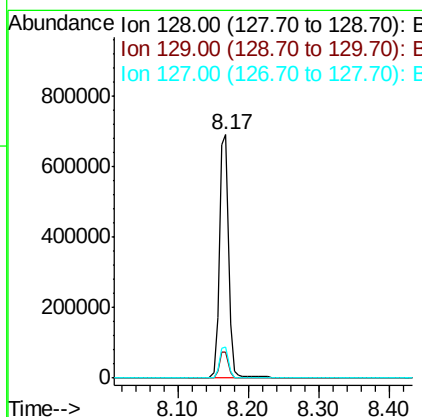
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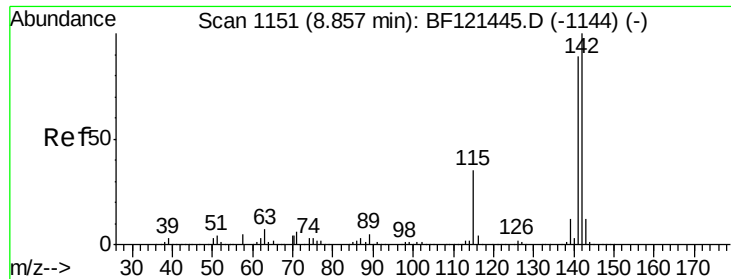
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#31
Naphthalene
Concen: 11.237 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	629418		
129	10.8		9.6	14.4
127	13.0		11.4	17.2





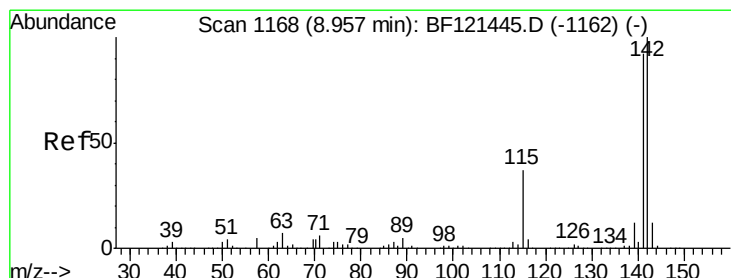
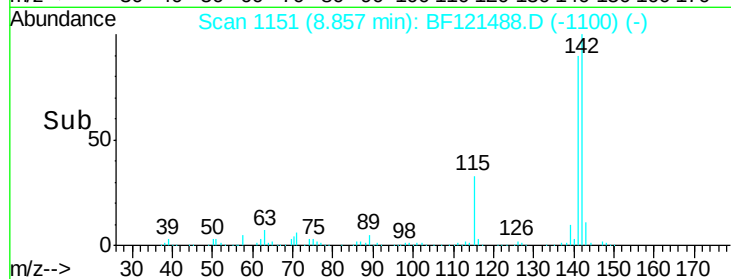
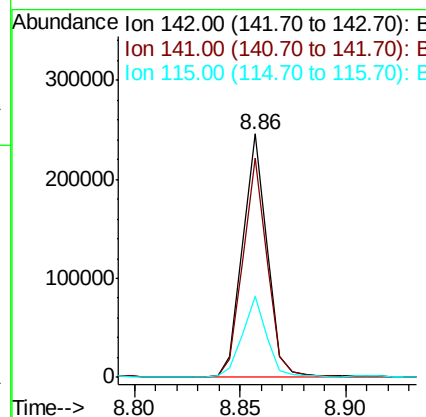
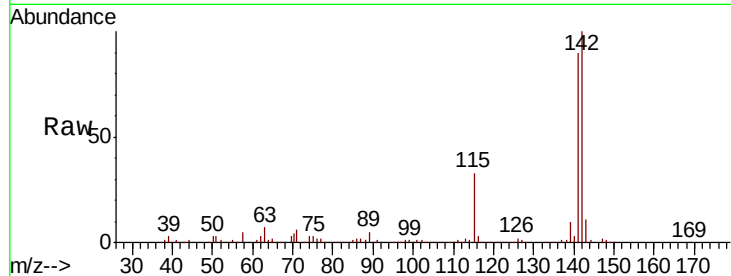
#37
2-Methylnaphthalene
Concen: 5.357 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-A

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.8	106.2
115	33.1	28.2	42.4

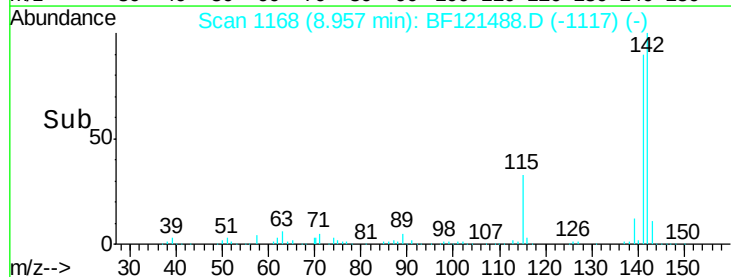
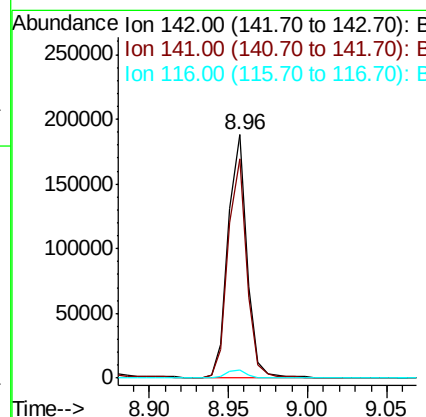
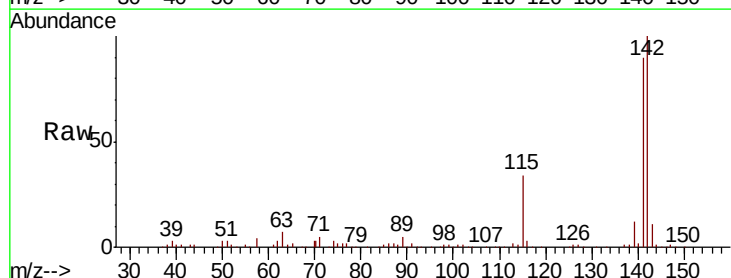
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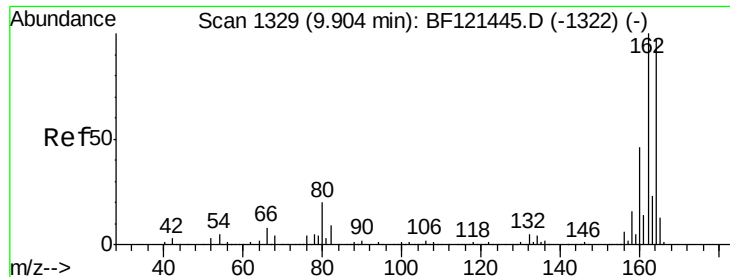
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#38
1-Methylnaphthalene
Concen: 4.406 ng
RT: 8.96 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.9	73.7	110.5
116	3.4	3.1	4.7





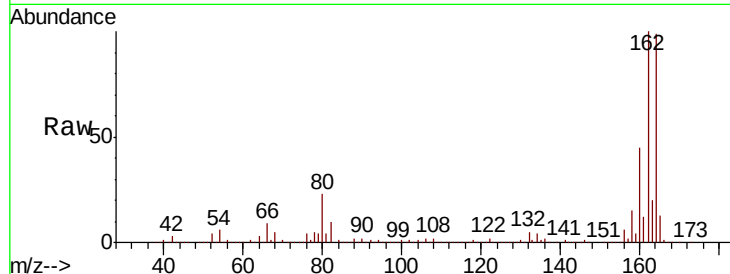
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF121488.D
 Acq: 31 Aug 2020 20:33

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-09-A

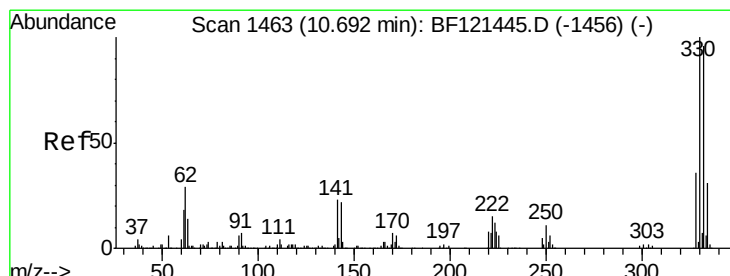
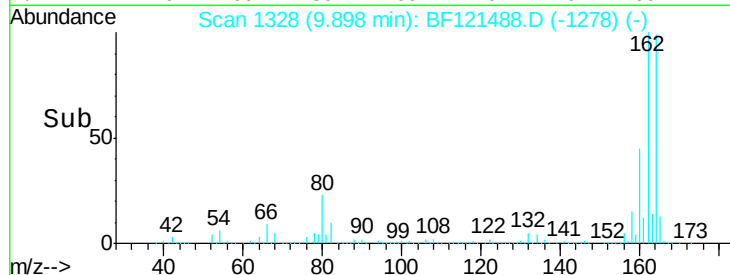
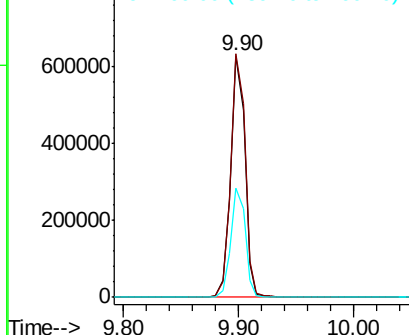
Tot Ion	164	Resp	538077
Ion Ratio	Lower	Upper	
164	100		
162	101.0	82.4	123.6
160	45.4	37.6	56.4

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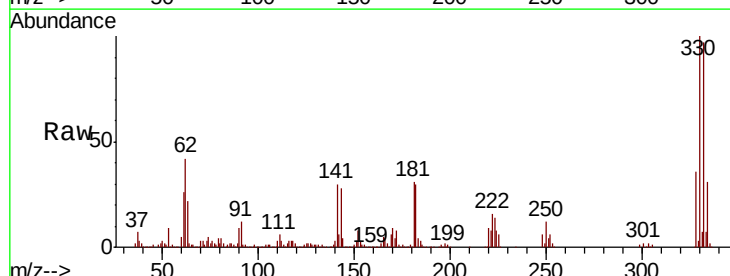


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

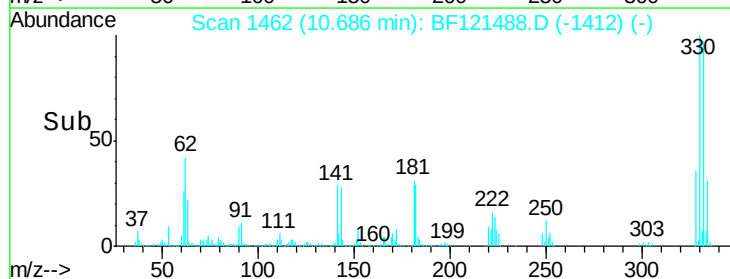
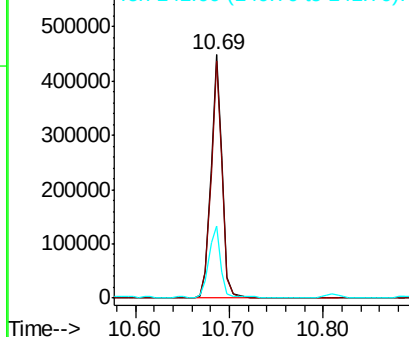


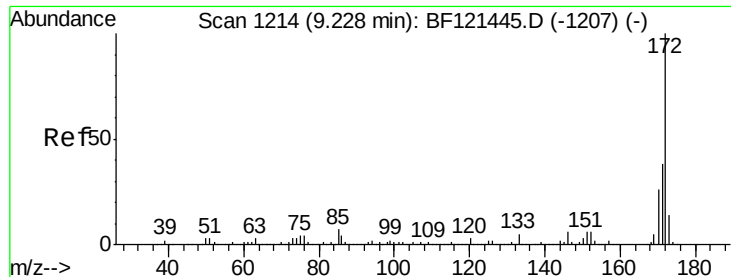
#42
 2,4,6-Tribromophenol
 Concen: 69.801 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF121488.D
 Acq: 31 Aug 2020 20:33

Tgt Ion	330	Resp	379360
Ion Ratio	Lower	Upper	
330	100		
332	96.2	76.2	114.2
141	31.2	24.6	36.8



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





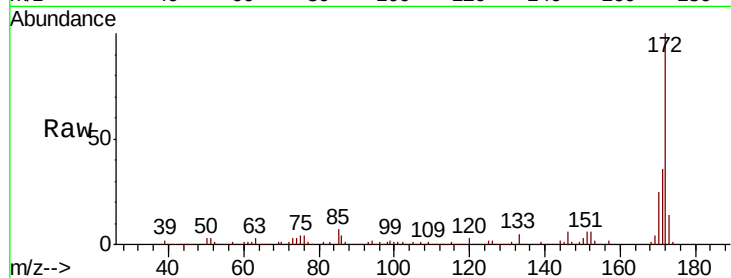
#45
2-Fluorobiphenyl
Concen: 53.807 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-A

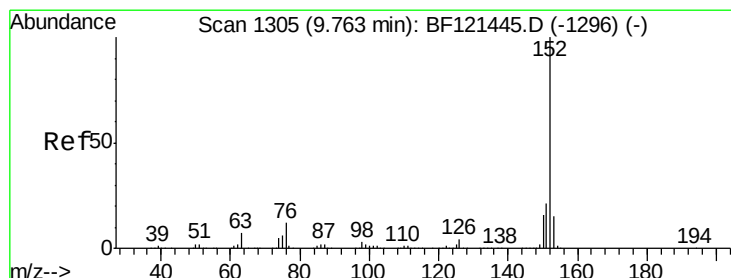
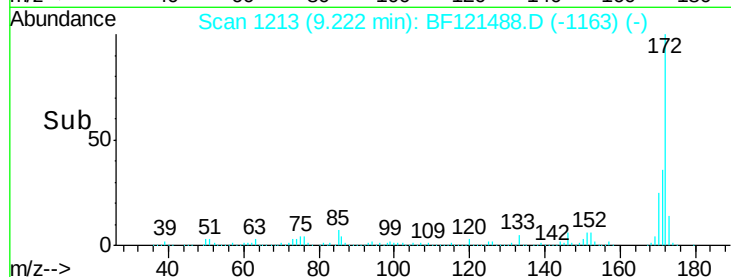
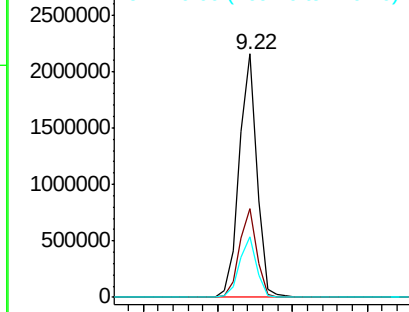
Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	36.4	30.6	45.8	
170	24.8	20.6	31.0	

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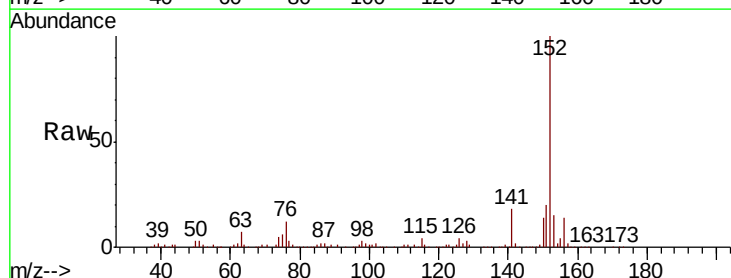


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

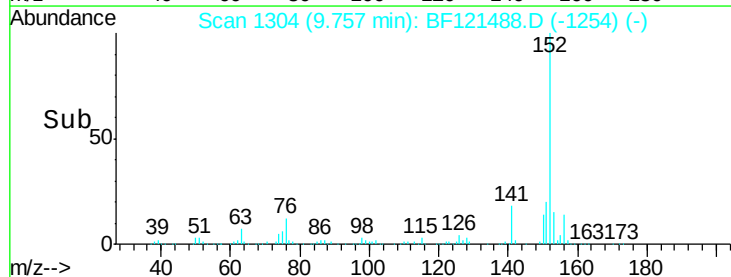
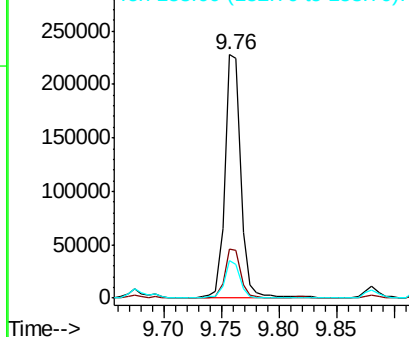


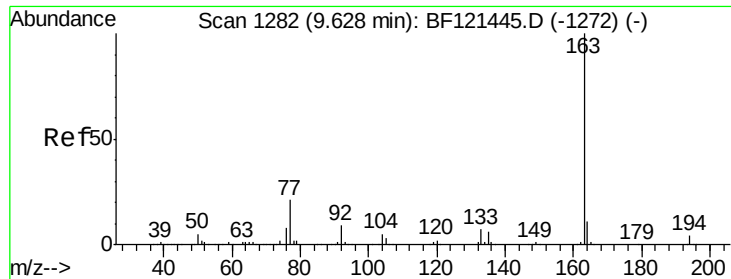
#49
Acenaphthylene
Concen: 4.353 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
151	20.2	17.2	25.8	
153	15.3	11.6	17.4	



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





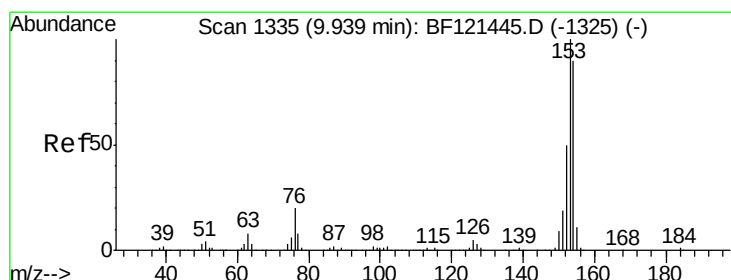
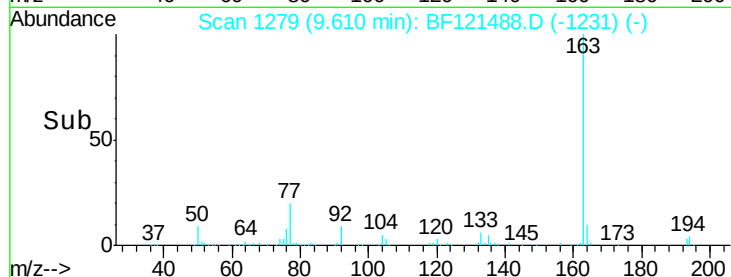
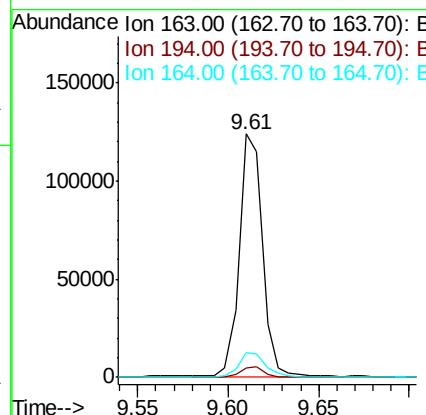
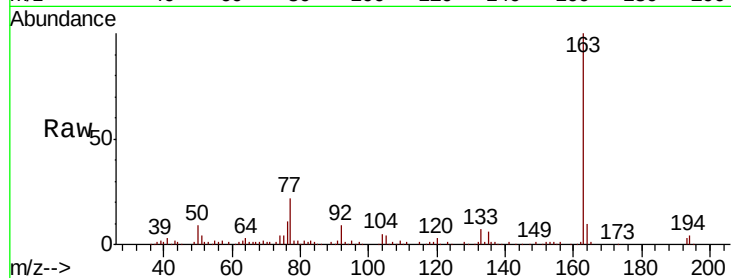
#50
Dimethylphthalate
Concen: 2.960 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-A

Tot Ion	Ratio	Resp	Lower	Upper
163	100	109404		
194	4.1	3.3	4.9	
164	10.4	8.6	12.8	

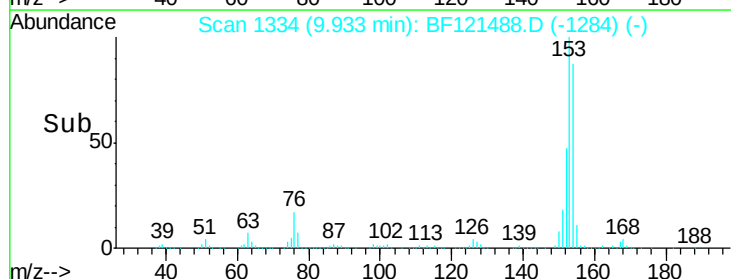
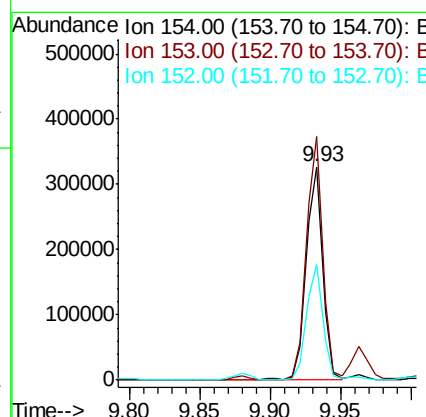
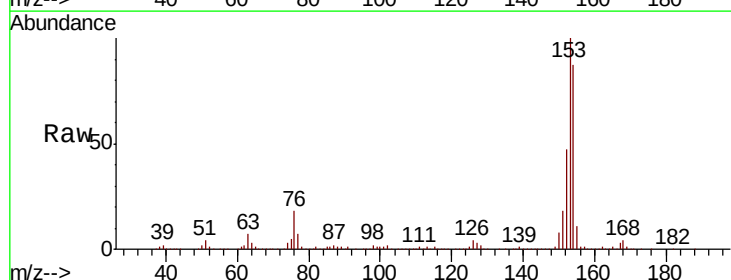
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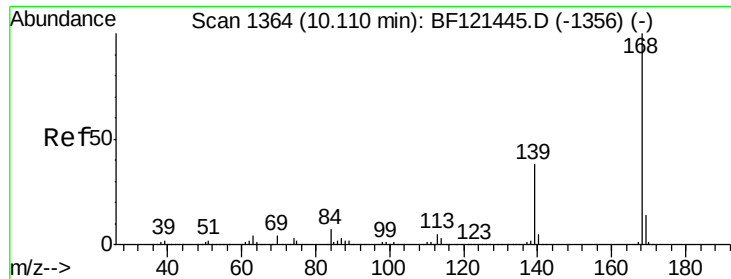
mohammad
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#52
Acenaphthene
Concen: 8.419 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	266120		
153	114.3	88.9	133.3	
152	54.1	44.1	66.1	





#55

Dibenzofuran

Concen: 9.087 ng

RT: 10.10 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

Instrument :

BNA_F

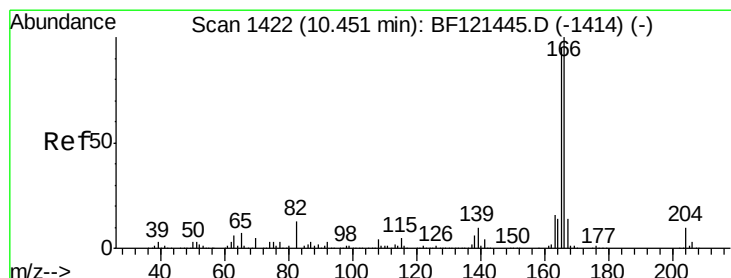
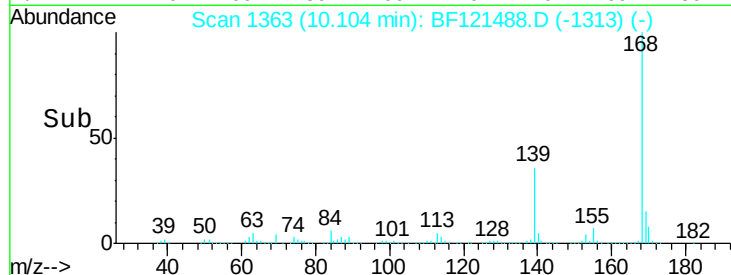
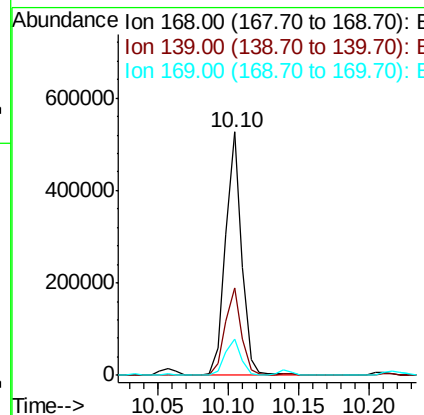
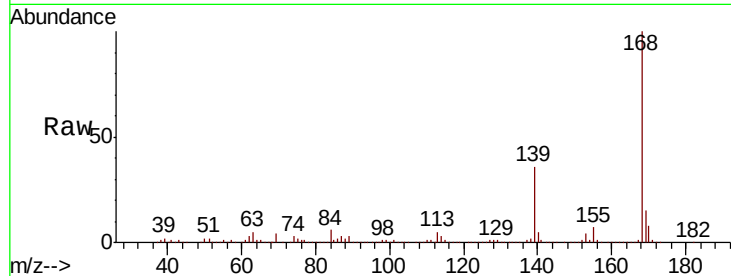
ClientSampleId :

LINDEN-JOP-BH-09-A

Tot Ion:168	Resp:	417233
Ion Ratio	Lower	Upper
168	100	
139	36.0	30.1 45.1
169	14.8	11.2 16.8

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#58

Fluorene

Concen: 14.122 ng

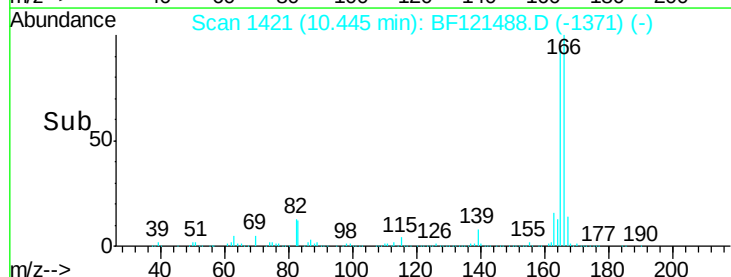
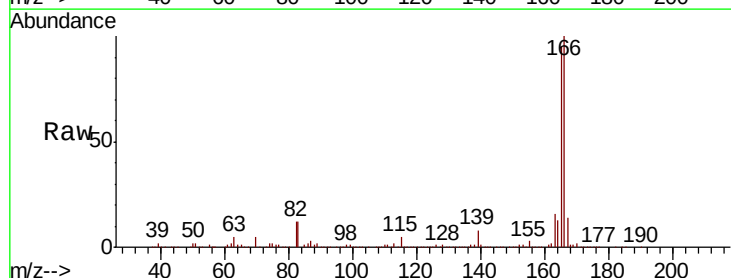
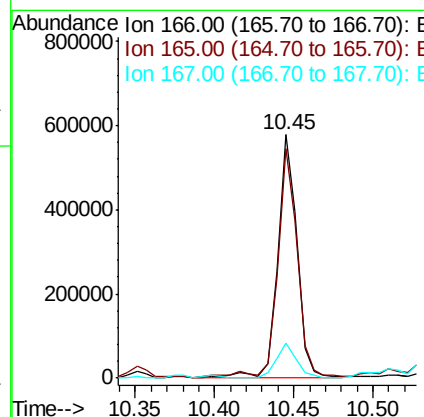
RT: 10.45 min Scan# 1421

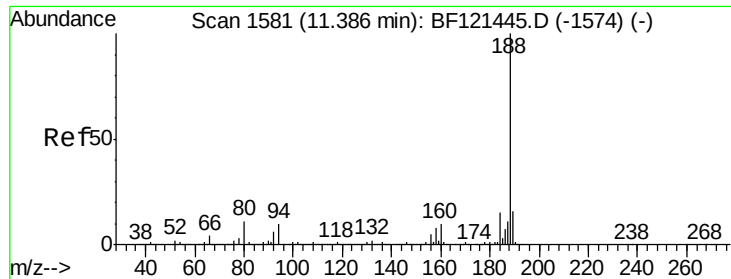
Delta R.T. -0.01 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

Tgt Ion:166	Resp:	488810
Ion Ratio	Lower	Upper
166	100	
165	94.5	75.7 113.5
167	14.3	11.1 16.7





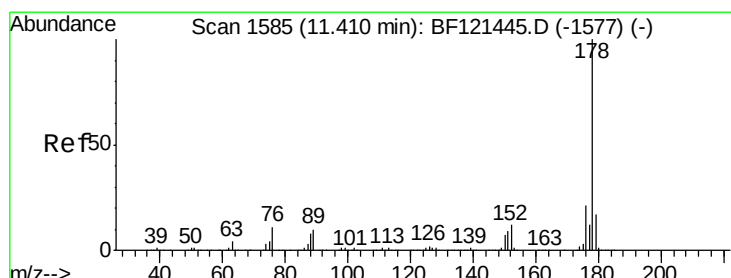
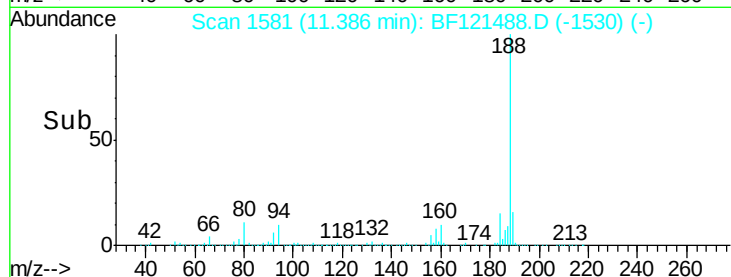
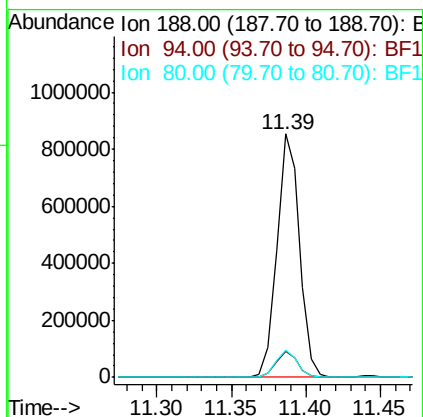
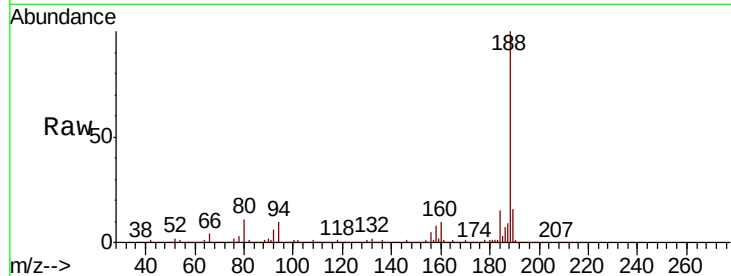
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	897348		
94	10.4		8.3	12.5
80	11.3		8.6	13.0

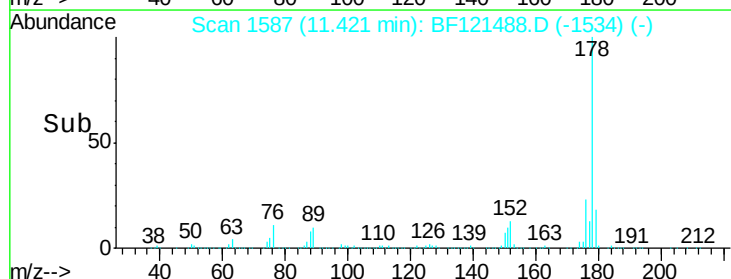
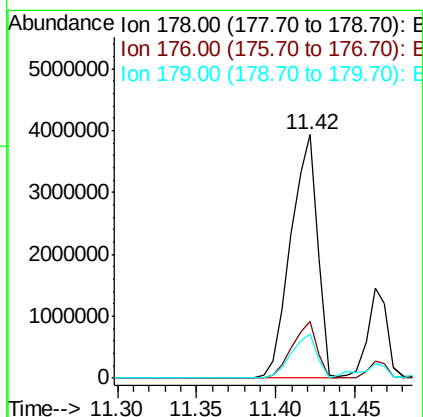
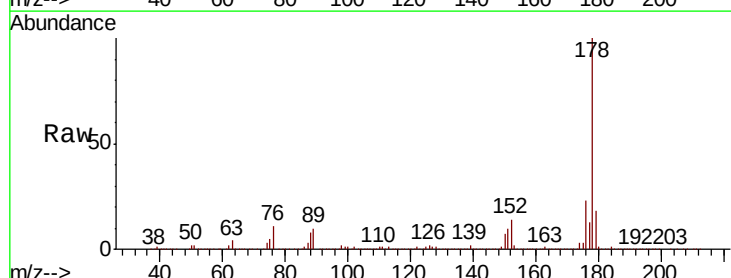
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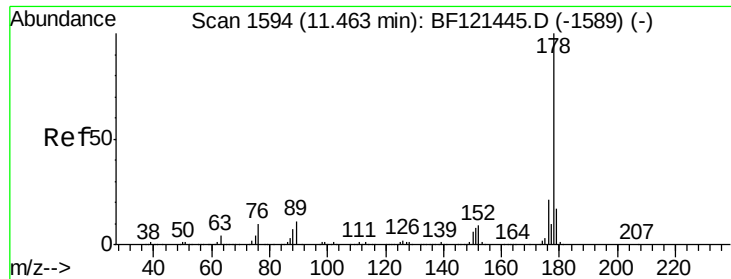
mohammad
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#71
Phenanthrene
Concen: 100.043 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	4607012		
176	23.1		16.9	25.3
179	18.1		13.4	20.0





#72

Anthracene

Concen: 27.100 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.00 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-09-A

Tot Ion:178 Resp: 1227409

Ion Ratio Lower Upper

178 100

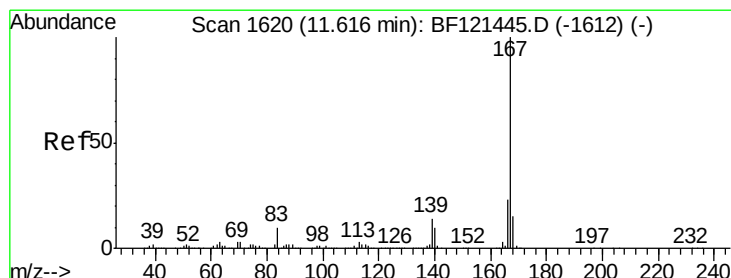
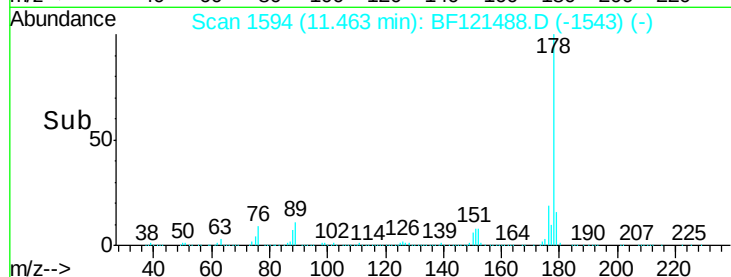
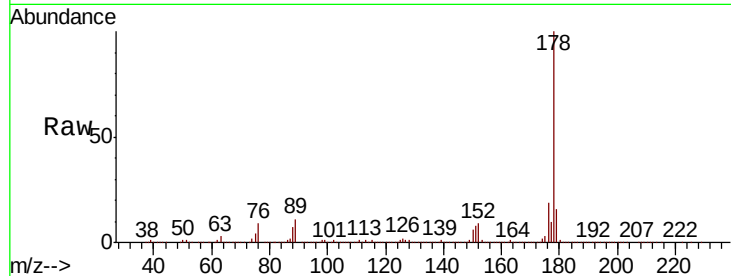
176 19.3 16.7 25.1

179 16.0 13.4 20.2

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#73

Carbazole

Concen: 14.583 ng

RT: 11.62 min Scan# 1620

Delta R.T. -0.00 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

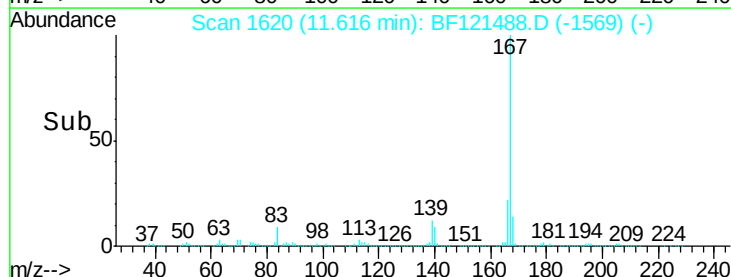
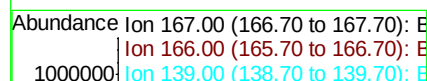
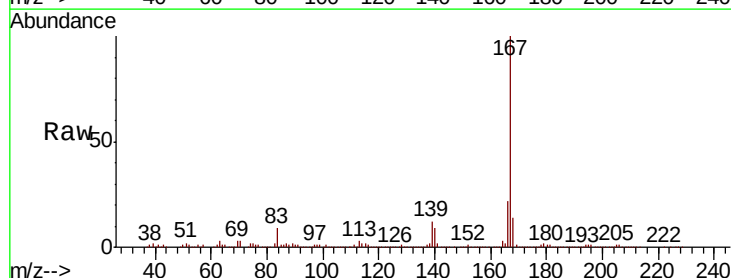
Tgt Ion:167 Resp: 636917

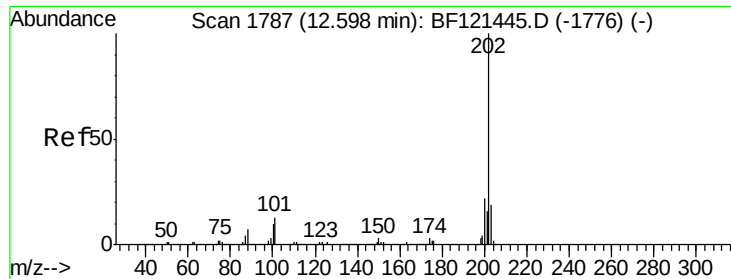
Ion Ratio Lower Upper

167 100

166 21.9 18.4 27.6

139 12.5 11.0 16.6





#75

Fluoranthene

Concen: 114.864 ng

RT: 12.62 min Scan# 1790

Delta R.T. 0.02 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-09-A

Tot Ion:202 Resp: 5700708

Ion Ratio Lower Upper

202 100

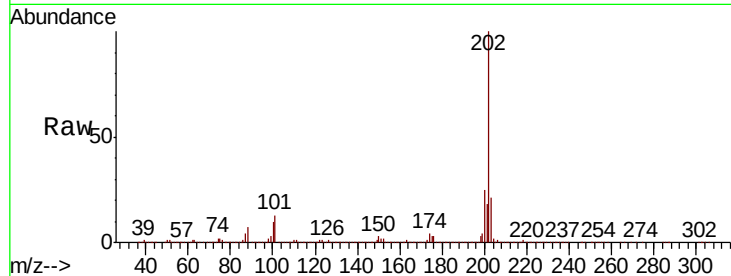
101 13.2 0.0 33.3

203 21.3 0.0 39.1

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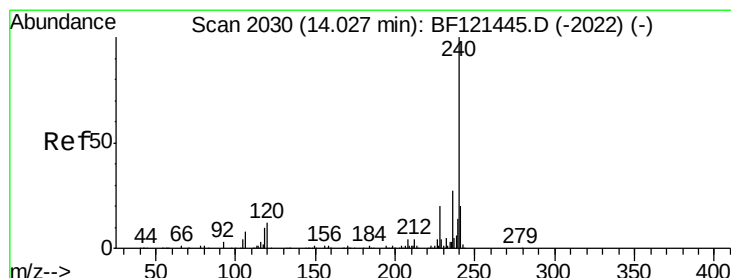
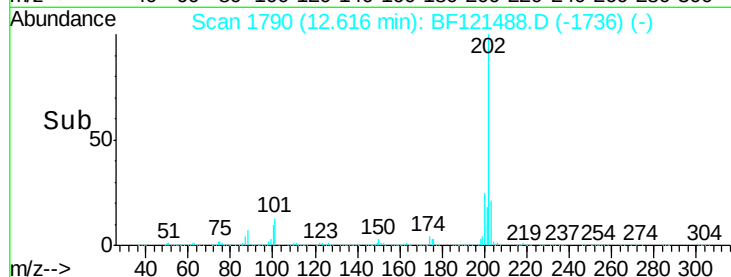
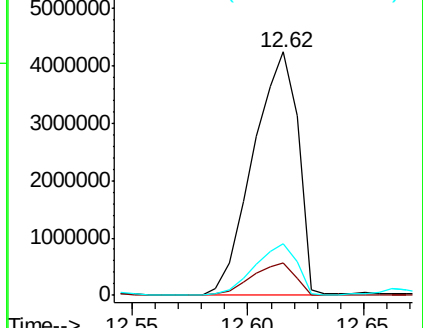
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Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.04 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

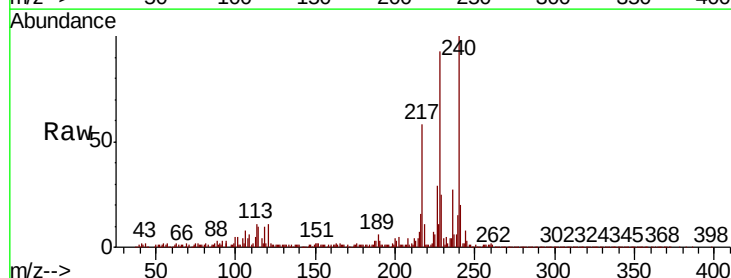
Tgt Ion:240 Resp: 575945

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

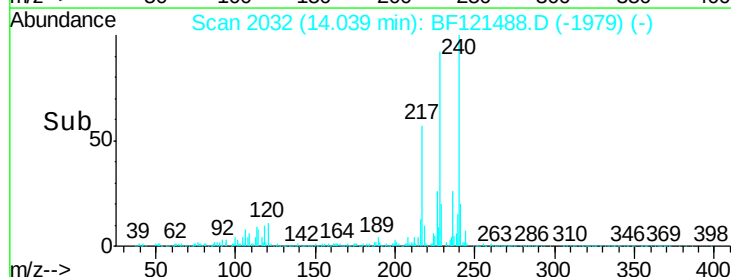
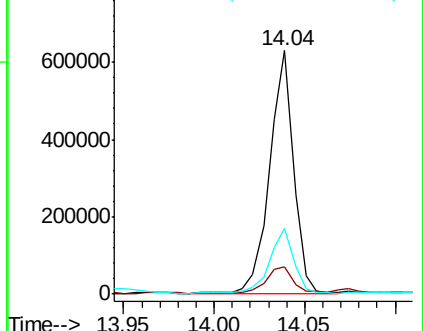
236 26.9 21.8 32.6

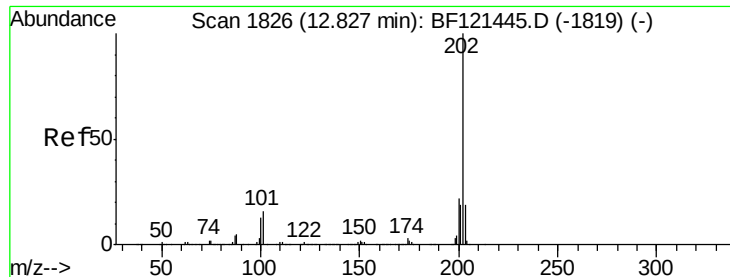


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 132.890 ng

RT: 12.84 min Scan# 1829

Delta R.T. 0.02 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

Instrument :

BNA_F

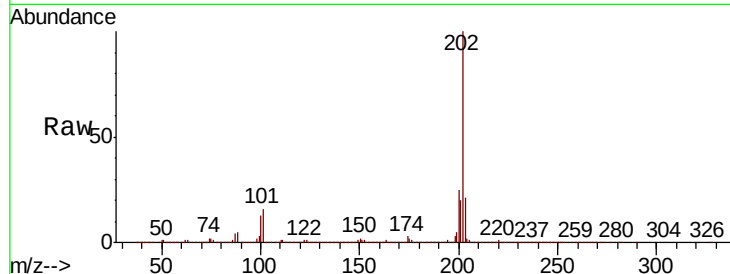
ClientSampleId :

LINDEN-JOP-BH-09-A

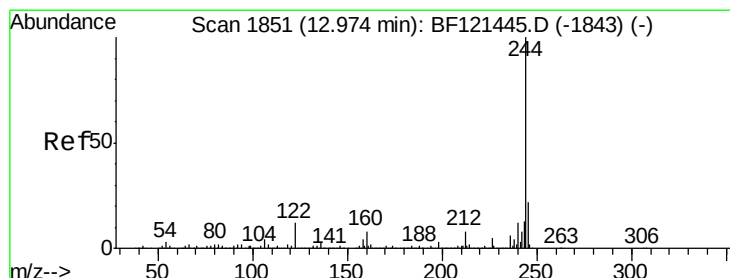
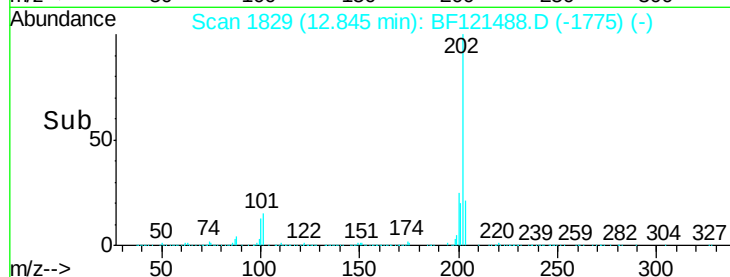
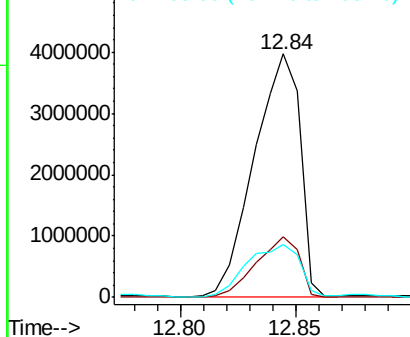
Tot Ion:	202	Resp:	5466126
Ion	Ratio	Lower	Upper
202	100		
200	24.6	18.0	27.0
203	21.5	15.3	22.9

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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: 52.802 ng

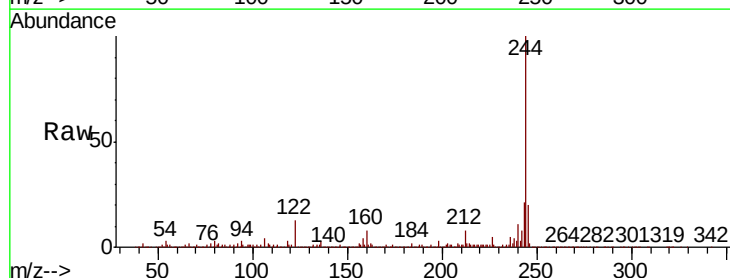
RT: 12.97 min Scan# 1851

Delta R.T. -0.00 min

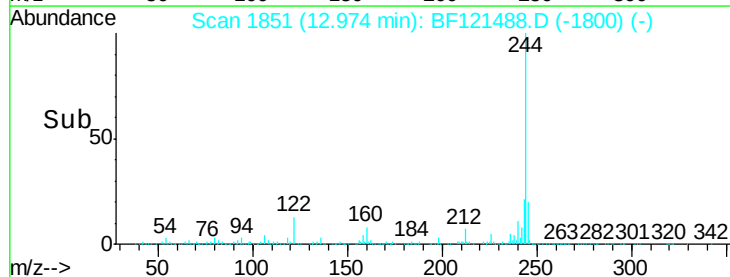
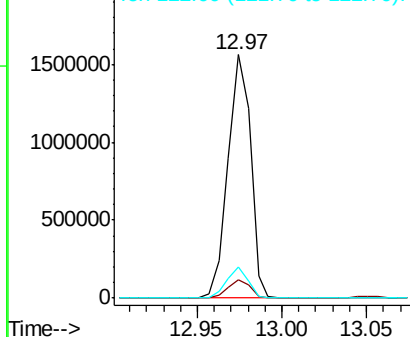
Lab File: BF121488.D

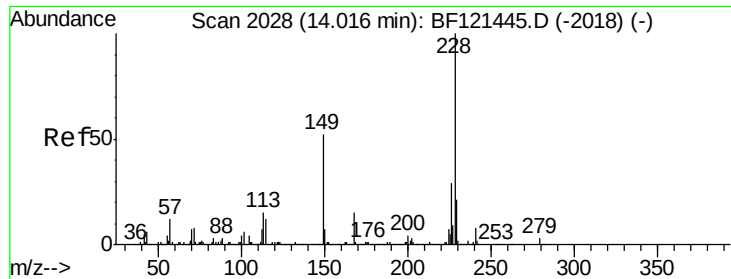
Acq: 31 Aug 2020 20:33

Tgt Ion:	244	Resp:	1444723
Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.3	9.5
122	12.9	9.5	14.3



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





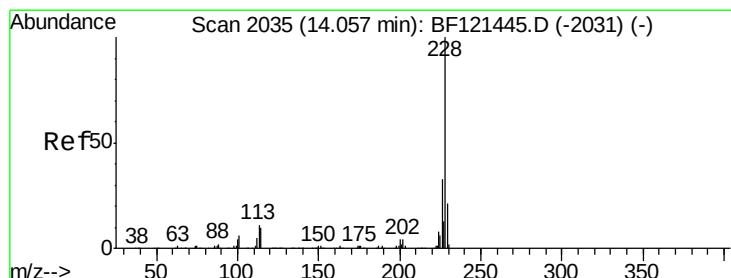
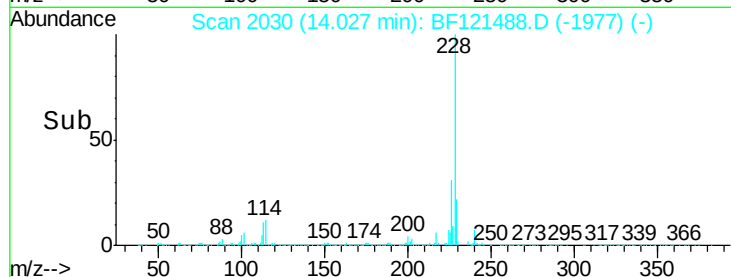
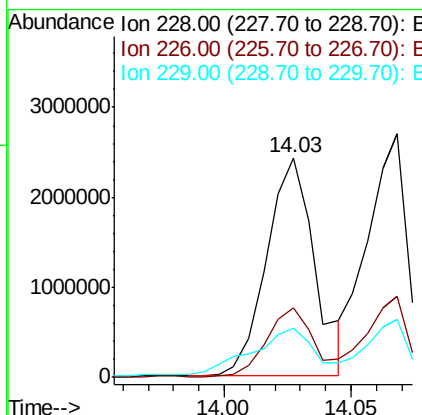
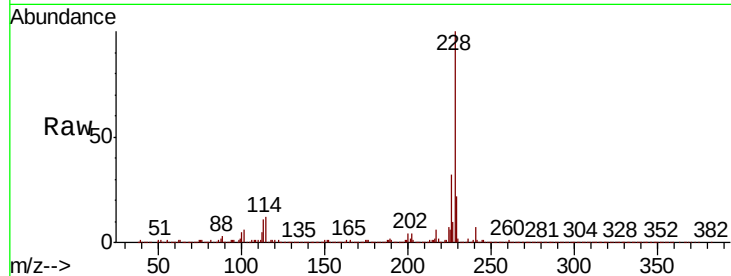
#81
Benzo(a)anthracene
Concen: 90.711 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.0	34.4
229	22.4	16.6	24.8

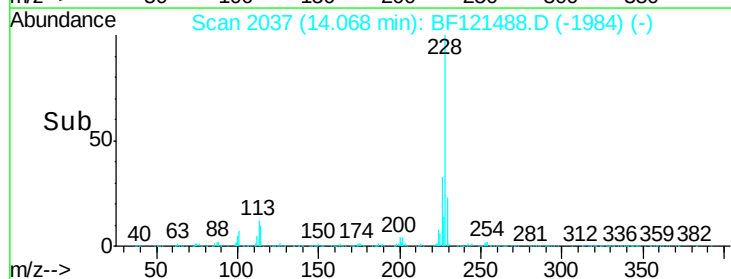
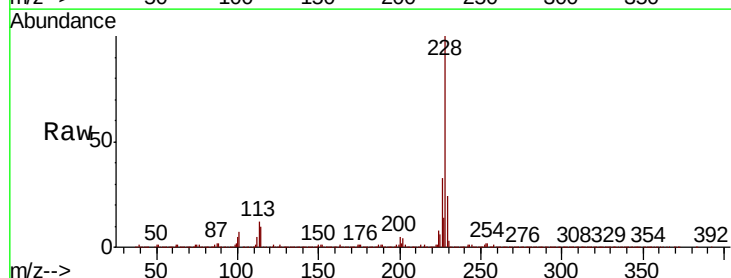
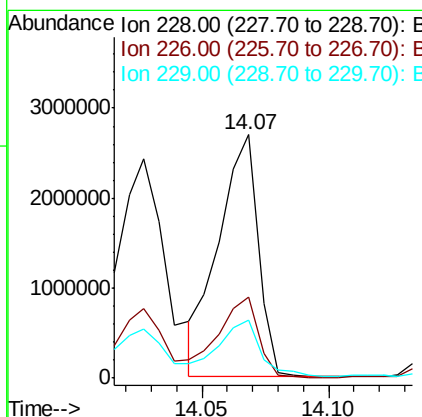
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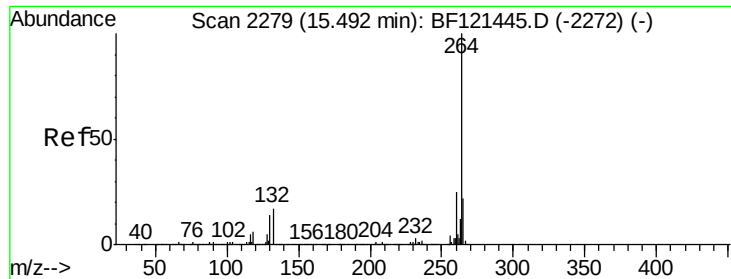
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#83
Chrysene
Concen: 83.404 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.01 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.4	26.2	39.2
229	23.9	16.6	25.0





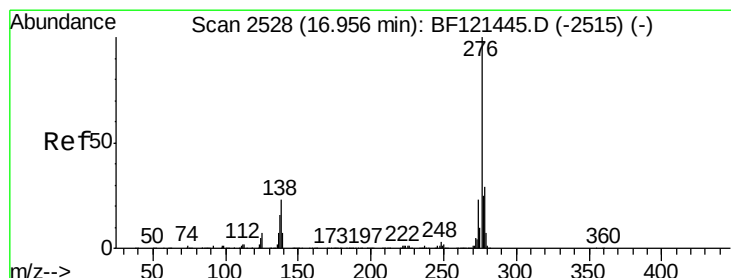
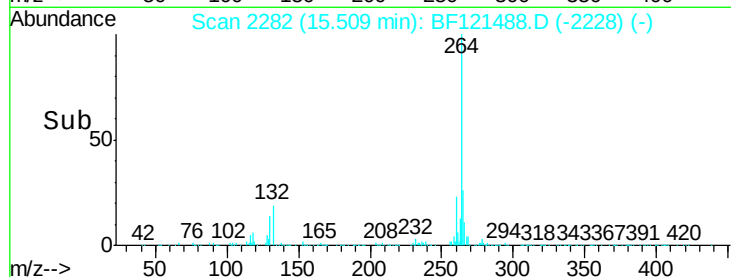
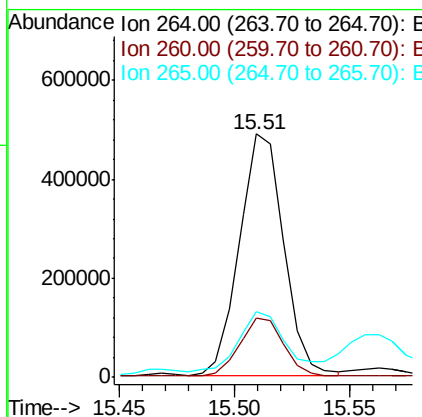
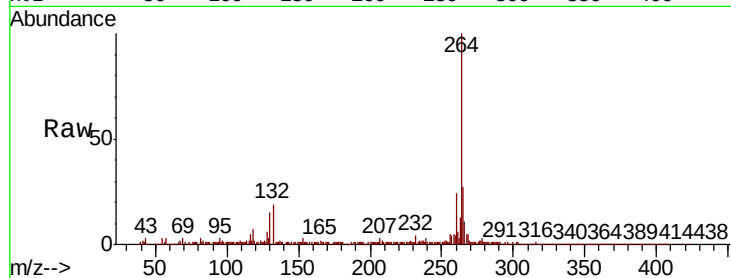
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.02 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	26.7	17.8	26.6#

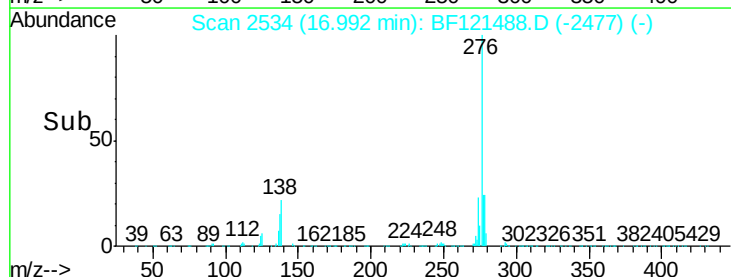
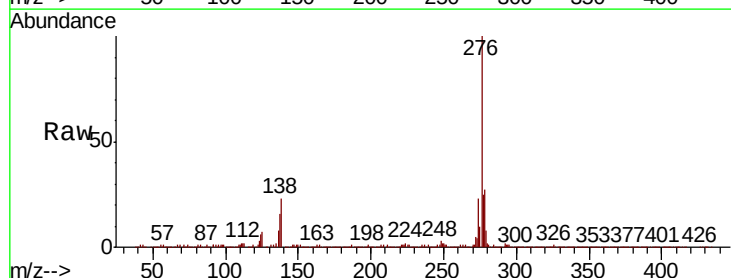
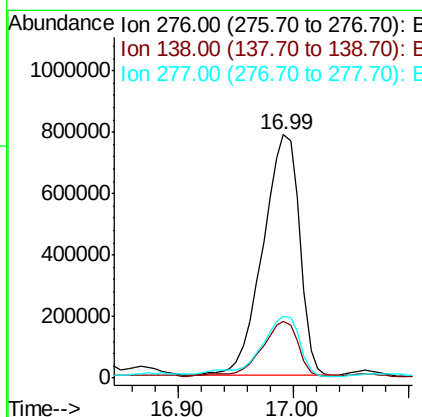
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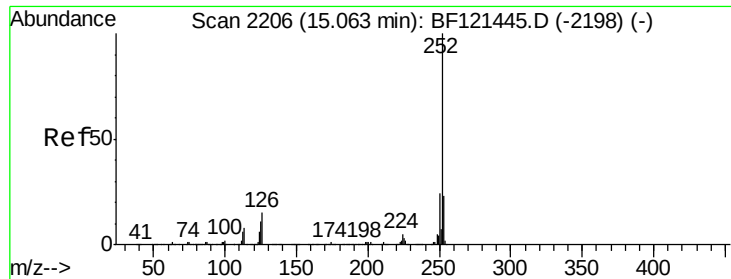
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 43.371 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.04 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.9	20.6	31.0
277	27.6	20.5	30.7





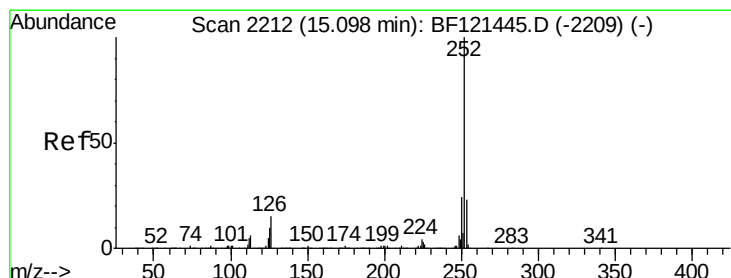
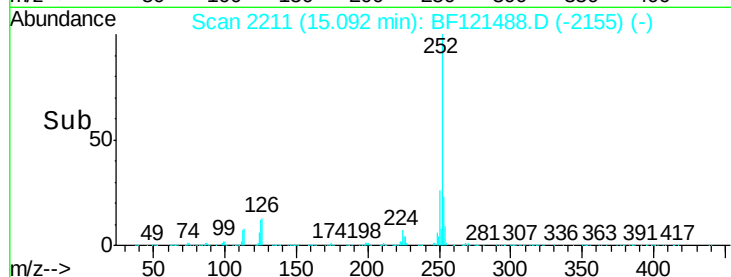
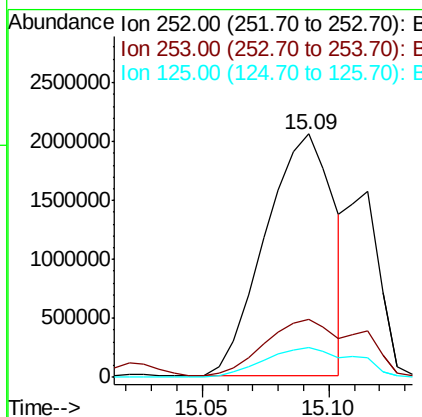
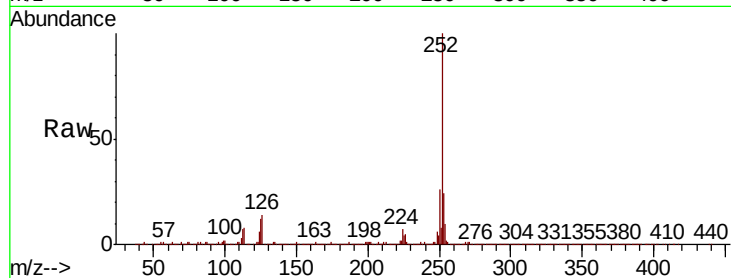
#88
Benzo(b)fluoranthene
Concen: 91.195 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.03 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.3	27.5
125	12.0	9.2	13.8

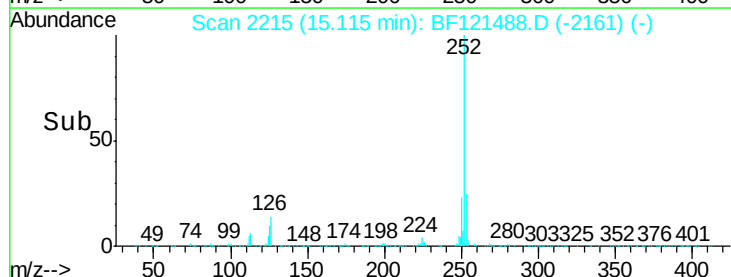
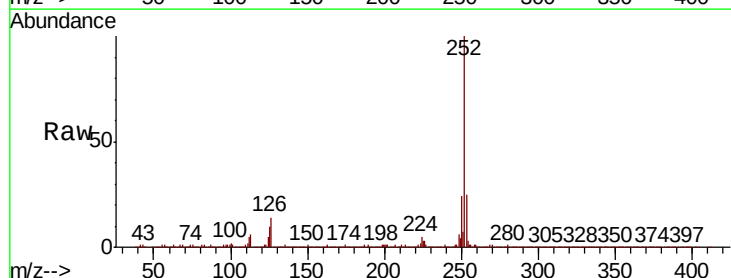
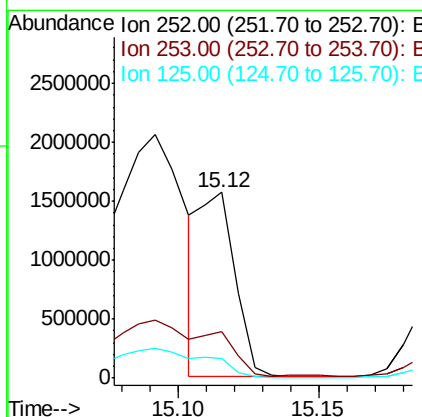
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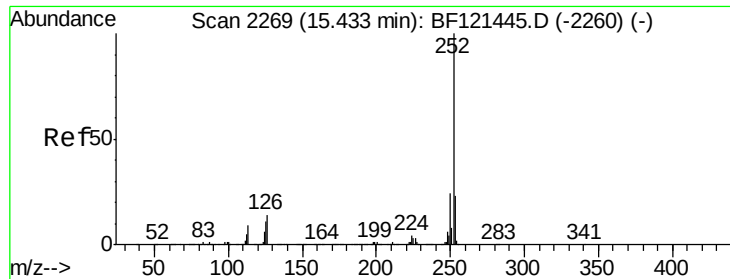
mohammad
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#89
Benzo(k)fluoranthene
Concen: 34.185 ng m
RT: 15.12 min Scan# 2215
Delta R.T. 0.02 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.3	27.5
125	10.3	8.5	12.7





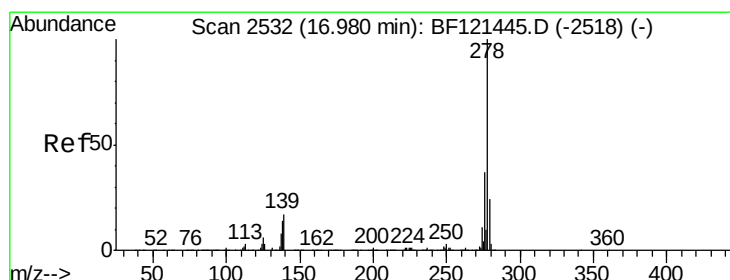
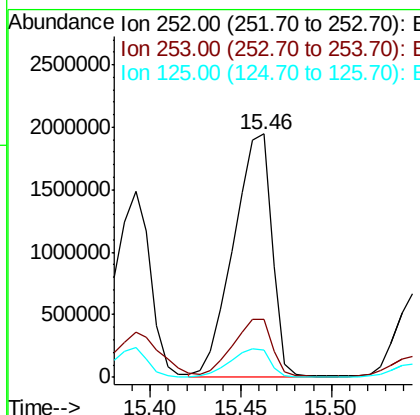
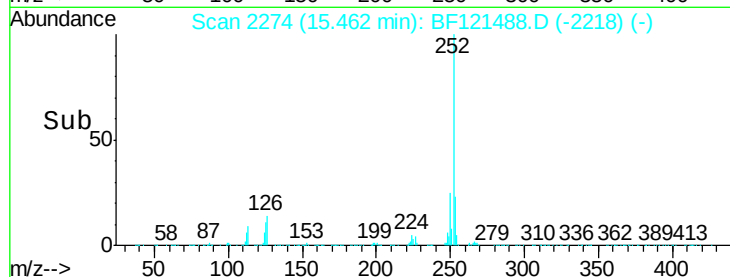
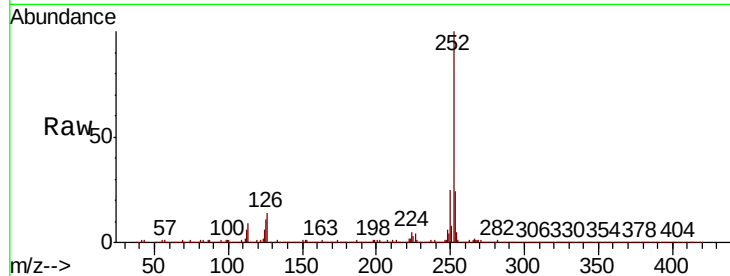
#90
Benzo(a)pyrene
Concen: 75.147 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.03 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	11.5	9.0	13.4

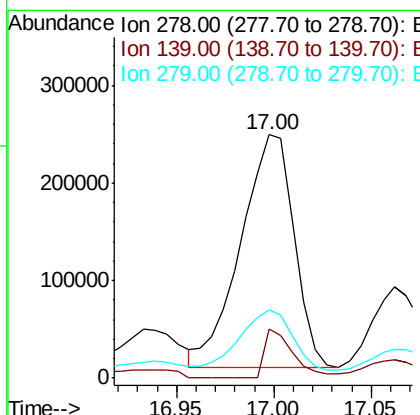
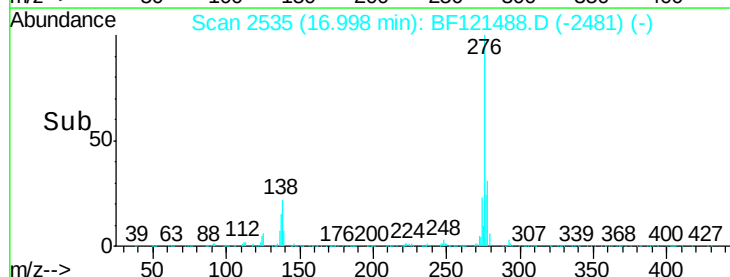
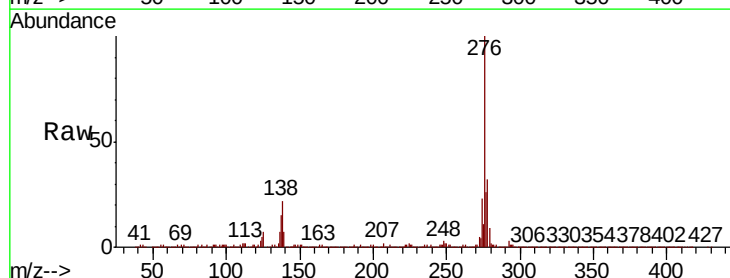
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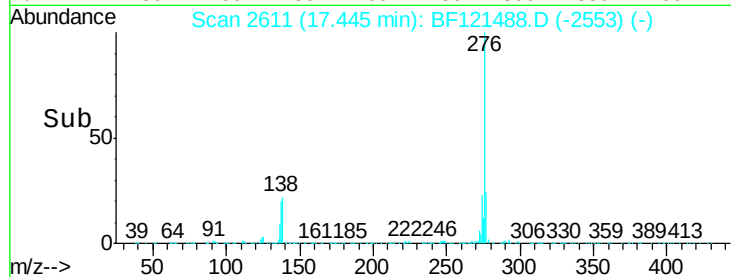
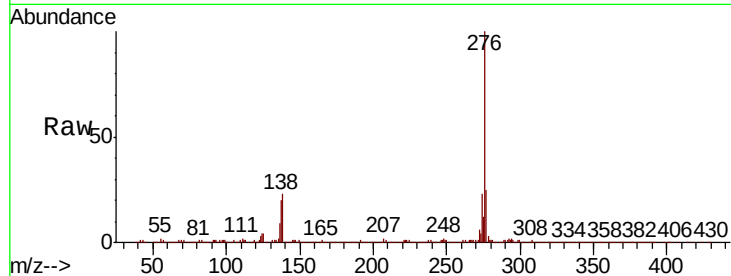
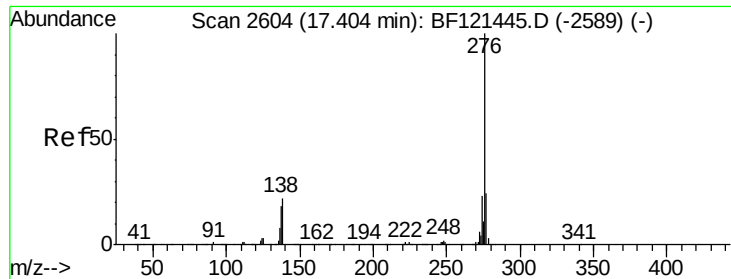
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#91
Dibenzo(a,h)anthracene
Concen: 13.805 ng m
RT: 17.00 min Scan# 2535
Delta R.T. 0.02 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.1	13.3	19.9#
279	27.8	19.4	29.0





#92
 Benzo(a,h,i)perylene
 Concen: 51.805 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. 0.04 min
 Lab File: BF121488.D
 Acq: 31 Aug 2020 20:33

Tot Ion:	276	Resp:	1632567
Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.9	28.3
138	22.9	17.4	26.0

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-09-A

Manual Integrations
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