

Data File : BF121490.D
Acq On : 31 Aug 2020 21:35
Operator : JU/CG
Sample : L3847-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Sep 07 04:03:39 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	306525	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1065729	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	491821	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	781405	20.00	ng	0.00
76) Chrysene-d12	14.03	240	623084	20.00	ng	0.00
86) Perylene-d12	15.51	264	591902	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	613186	33.56	ng	0.00
7) Phenol-d6	6.48	99	777125	30.44	ng	-0.01
23) Nitrobenzene-d5	7.42	82	475219	30.48	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	155071	31.22	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	923022	30.28	ng	0.00
79) Terphenyl-d14	12.97	244	693708	23.44	ng	0.00

Target Compounds					Qvalue
49) Acenaphthylene	9.76	152	125419	2.741 ng	98
52) Acenaphthene	9.93	154	73411	2.541 ng	98
58) Fluorene	10.44	166	80979	2.560 ng	99
71) Phenanthrene	11.41	178	1315089	32.795 ng	98
72) Anthracene	11.46	178	388538	9.851 ng	96
75) Fluoranthene	12.60	202	2212297	51.190 ng	99
78) Pyrene	12.83	202	2195173	49.330 ng	100
81) Benzo(a)anthracene	14.02	228	1141871	30.021 ng	96
83) Chrysene	14.06	228	1096196m	28.807 ng	
87) Indeno(1,2,3-cd)pyrene	16.98	276	528907	14.523 ng	94
88) Benzo(b)fluoranthene	15.07	252	1265458m	32.866 ng	
89) Benzo(k)fluoranthene	15.10	252	444951m	12.424 ng	
90) Benzo(a)pyrene	15.44	252	956884	27.638 ng	98
91) Dibenzo(a,h)anthracene	16.99	278	132741	4.453 ng	# 89
92) Benzo(g,h,i)perylene	17.43	276	564560	19.659 ng	98

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

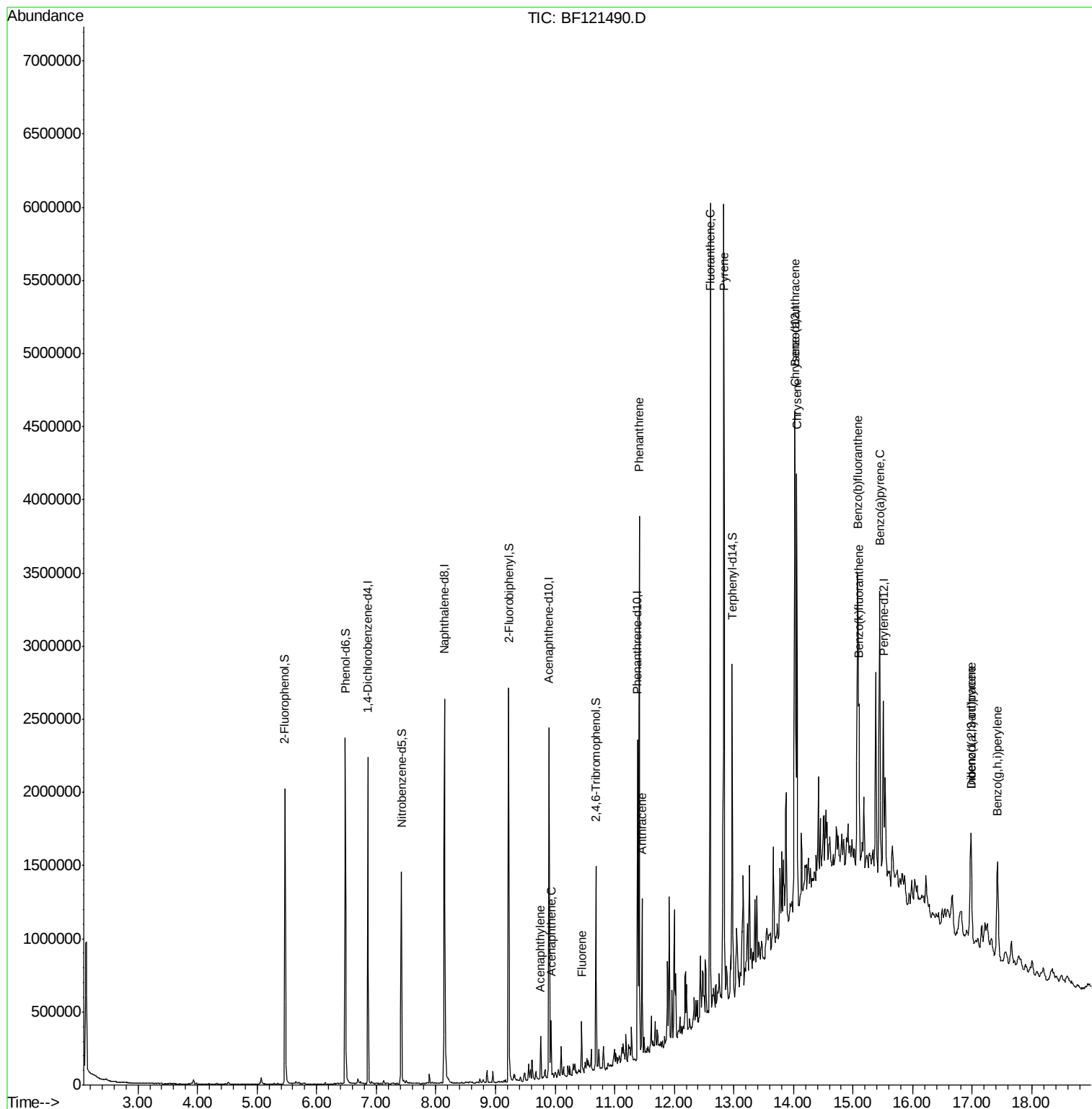
Data File : BF121490.D
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ALS Vial : 19 Sample Multiplier: 1

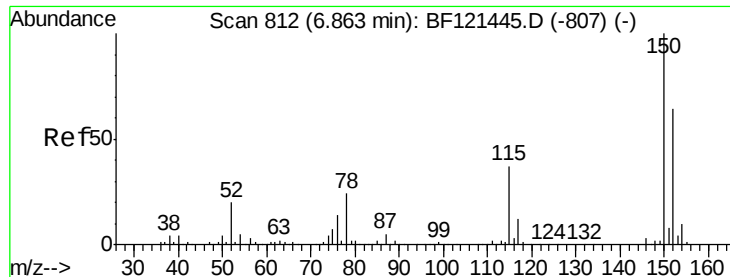
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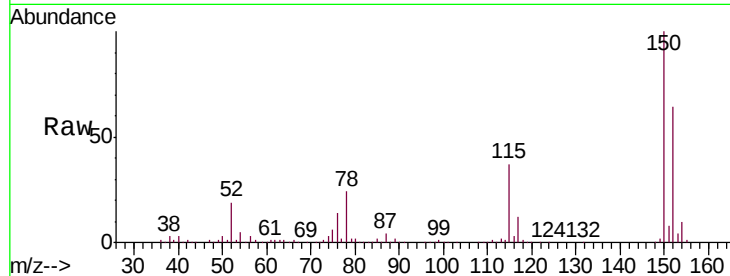
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BF121490.D
 Acq: 31 Aug 2020 21:35

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

Tgt	Ion	Ratio	Resp	Lower	Upper
152	100		306525		
150	155.1	125.8	188.6		
115	56.6	46.6	69.8		

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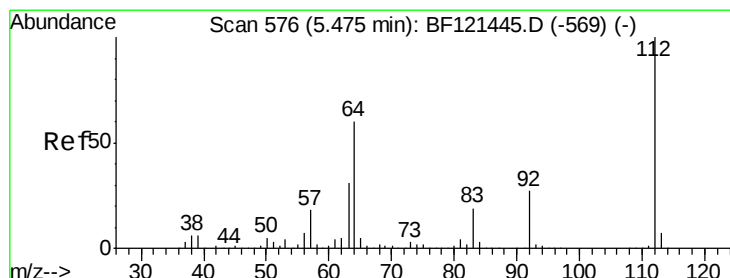
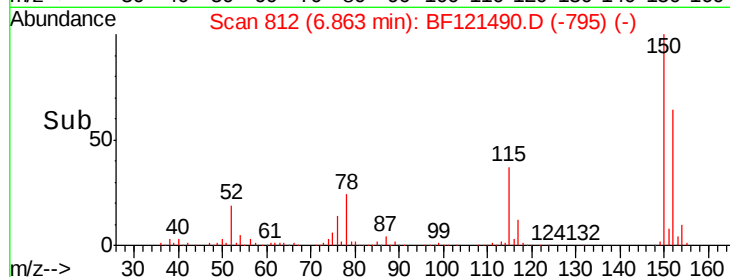
Abundance

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

Time-->



#5
 2-Fluorophenol
 Concen: 33.562 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: BF121490.D
 Acq: 31 Aug 2020 21:35

Tgt	Ion	Ratio	Resp	Lower	Upper
112	100		613186		
64	56.9	48.2	72.2		
63	29.0	24.8	37.2		

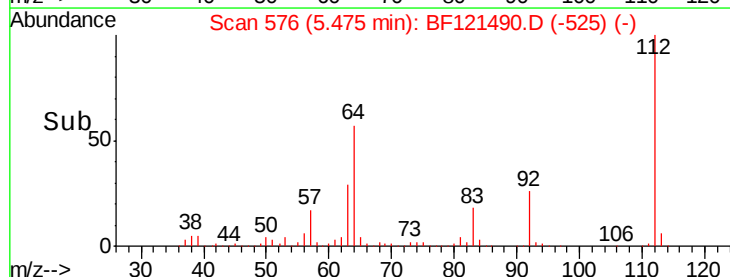
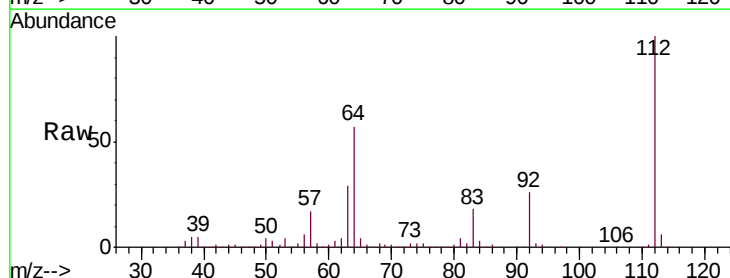
Abundance

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

Time-->





#7

Phenol-d6

Concen: 30.437 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

Instrument :

BNA_F

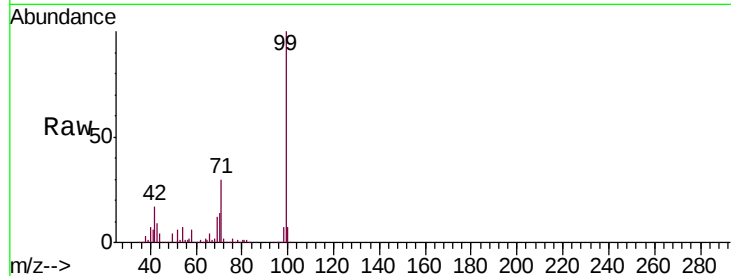
ClientSampleId :

LINDEN-JOP-BH-08-A

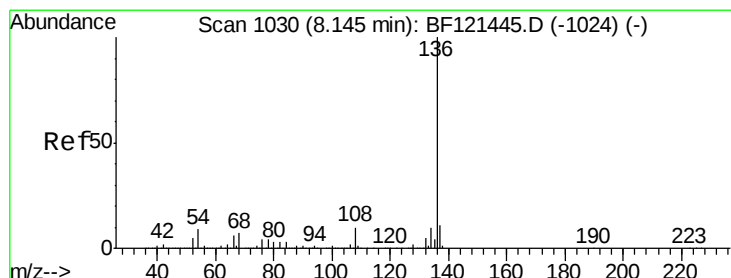
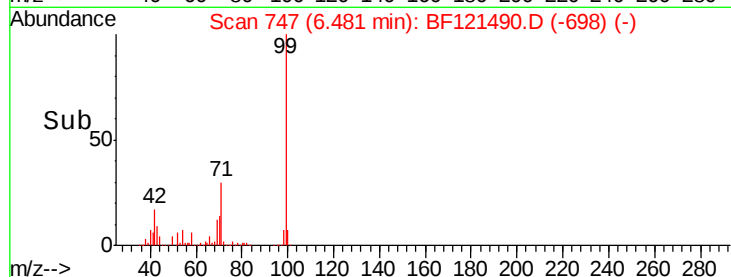
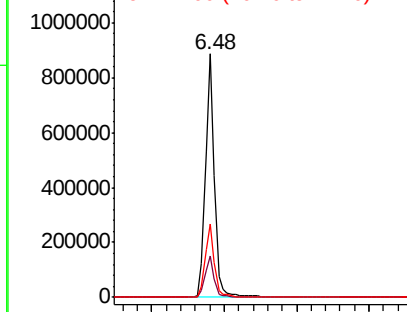
Tgt Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.5	20.3
71	30.3	24.6	37.0

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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

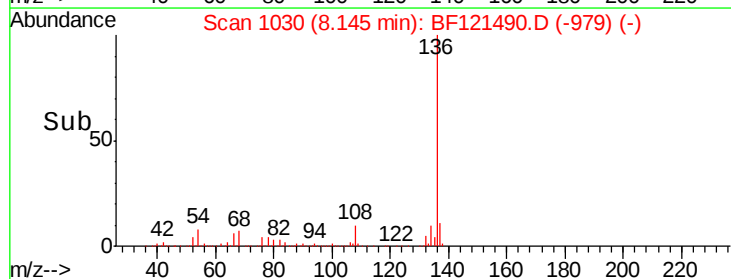
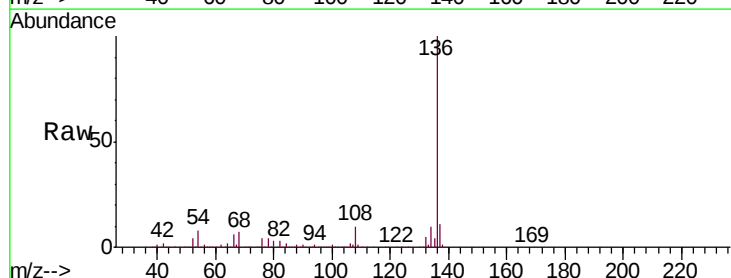
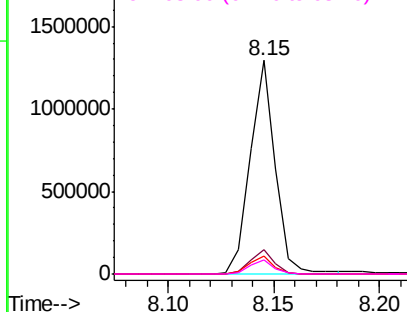
Delta R.T. -0.00 min

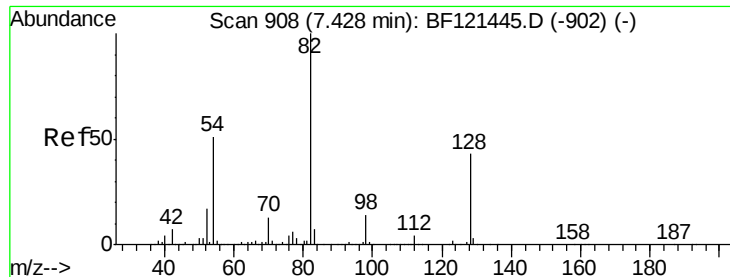
Lab File: BF121490.D

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Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	8.4	7.0	10.4
68	6.7	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





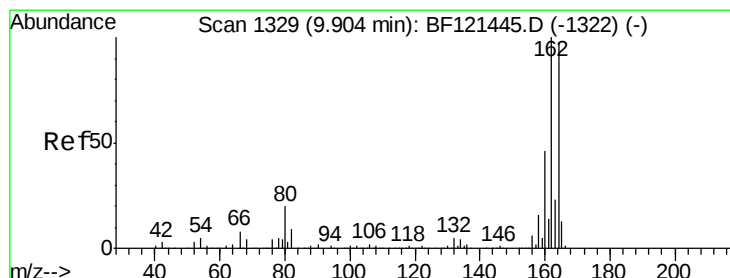
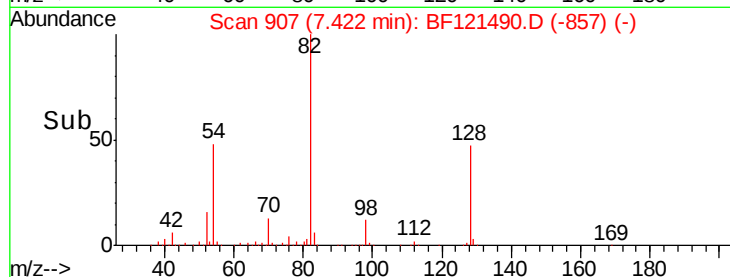
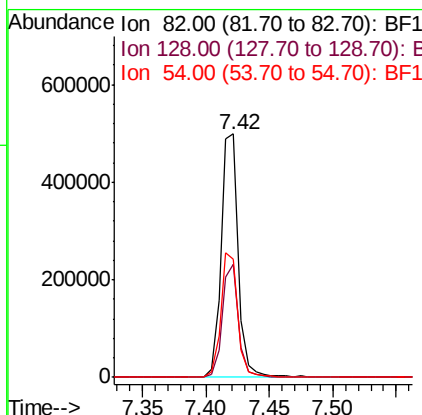
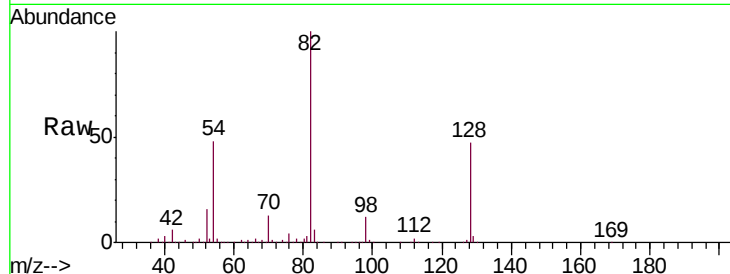
#23
 Nitrobenzene-d5
 Concen: 30.485 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF121490.D
 Acq: 31 Aug 2020 21:35

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

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	475219		
128	46.7	34.1	51.1	
54	48.3	41.0	61.6	

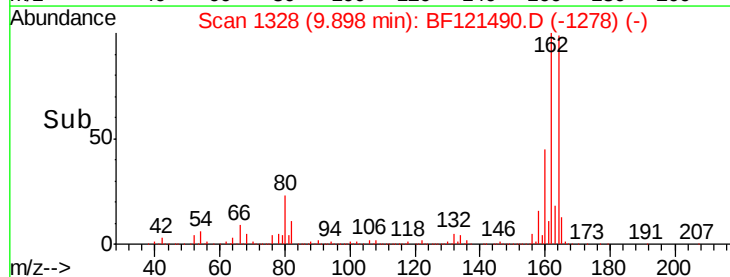
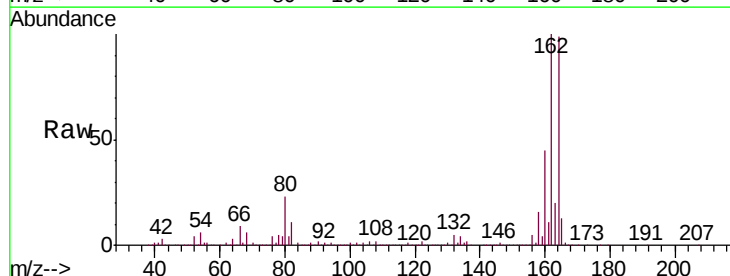
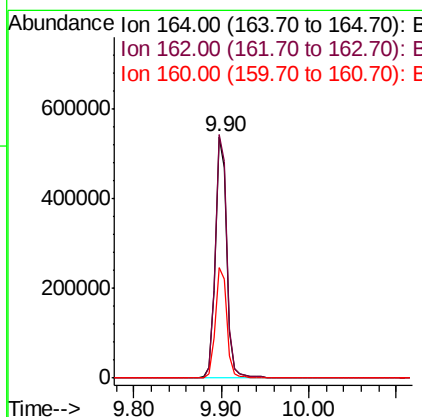
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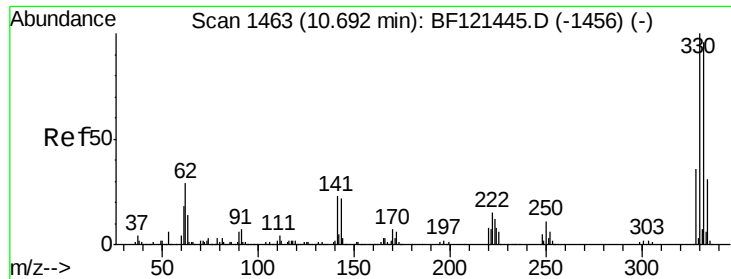
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF121490.D
 Acq: 31 Aug 2020 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	491821		
162	100.7	82.4	123.6	
160	45.5	37.6	56.4	





#42

2,4,6-Tribromophenol

Concen: 31.216 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

Instrument :

BNA_F

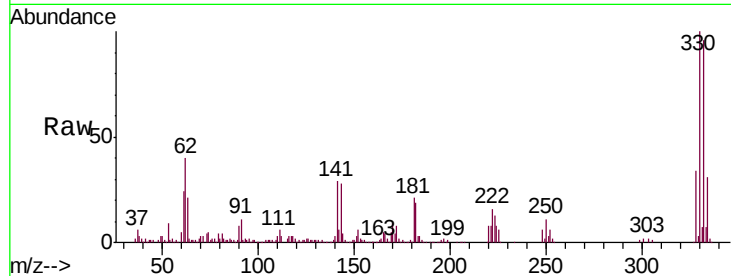
ClientSampleId :

LINDEN-JOP-BH-08-A

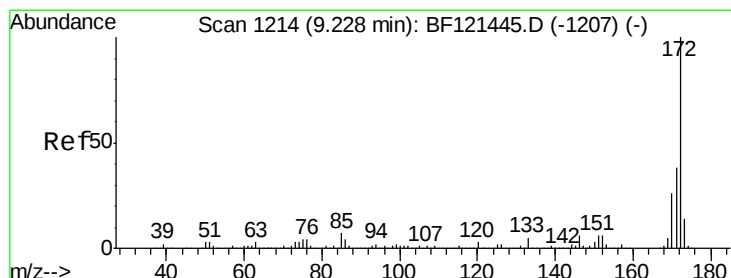
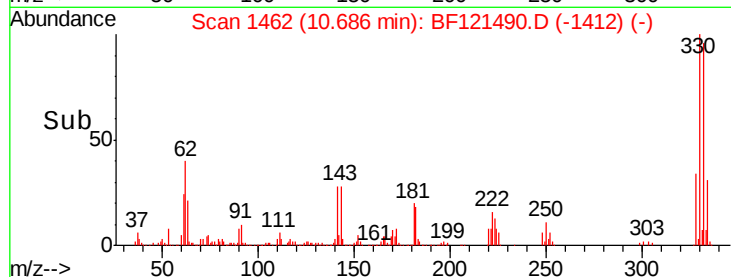
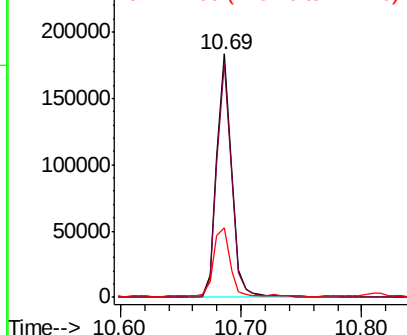
Tgt Ion:	330	Resp:	155071
Ion Ratio	Lower	Upper	
330	100		
332	95.8	76.2	114.2
141	31.5	24.6	36.8

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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: 30.282 ng

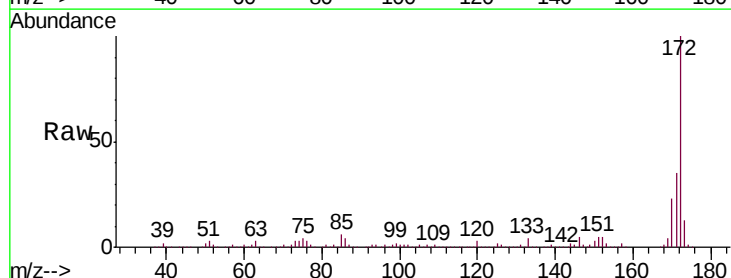
RT: 9.22 min Scan# 1213

Delta R.T. -0.01 min

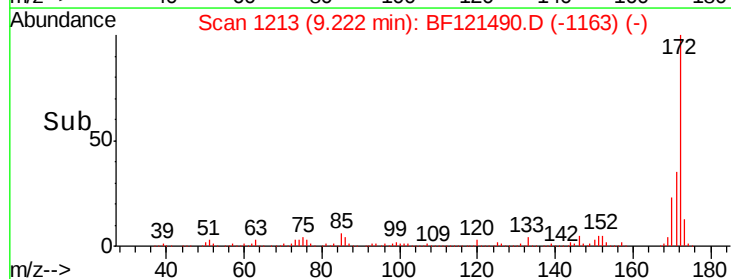
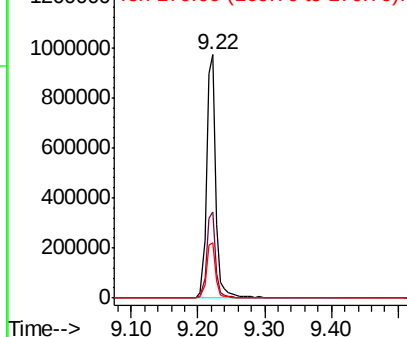
Lab File: BF121490.D

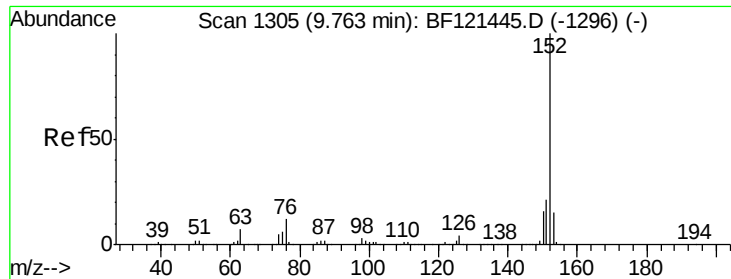
Acq: 31 Aug 2020 21:35

Tgt Ion:	172	Resp:	923022
Ion Ratio	Lower	Upper	
172	100		
171	35.2	30.6	45.8
170	23.0	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





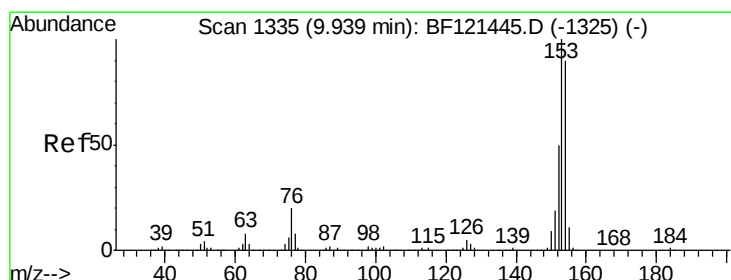
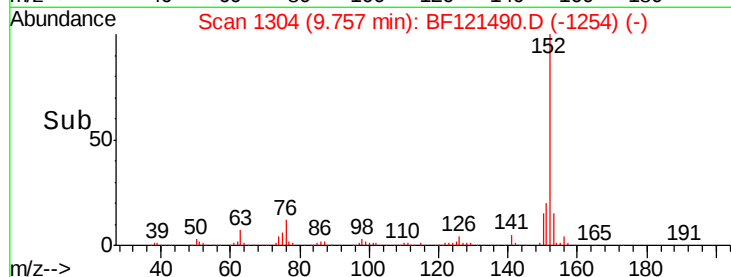
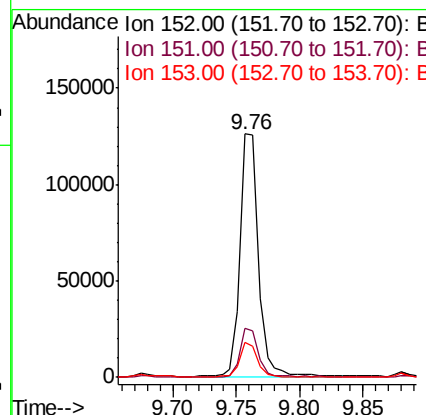
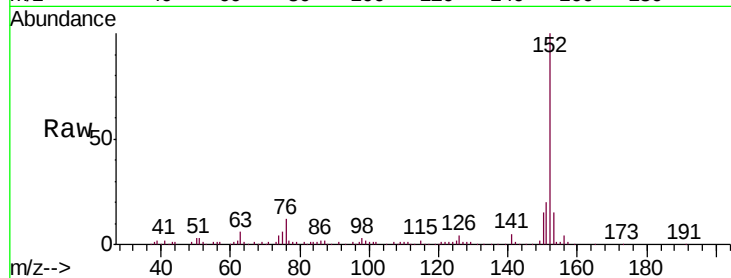
#49
Acenaphthylene
Concen: 2.741 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF121490.D
Acq: 31 Aug 2020 21:35

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

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	125419		
151	20.0		17.2	25.8
153	14.6		11.6	17.4

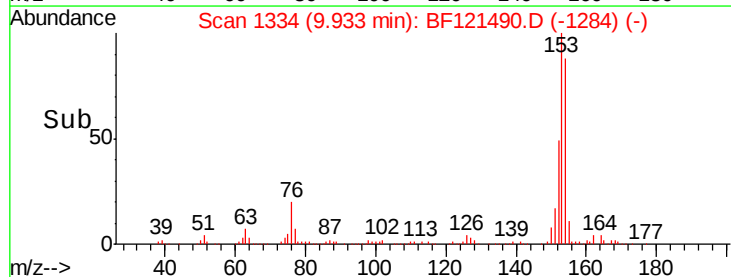
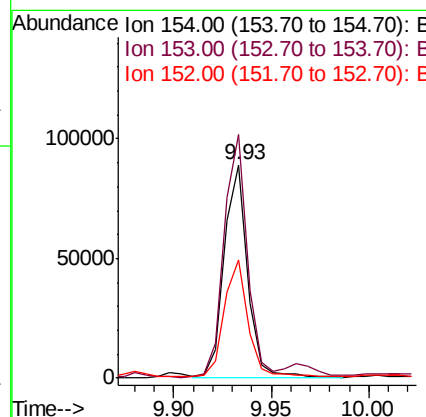
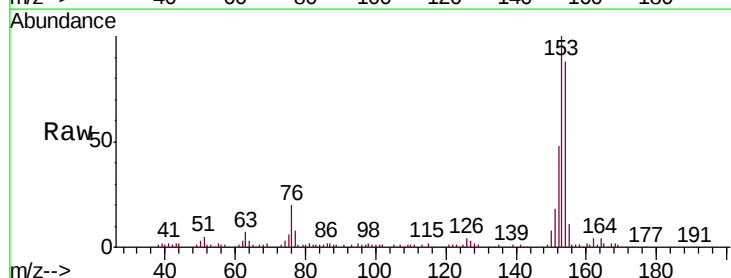
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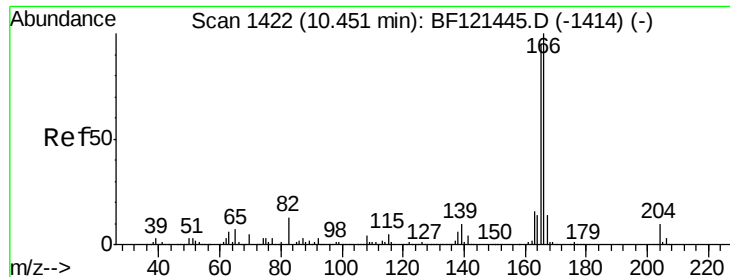
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#52
Acenaphthene
Concen: 2.541 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF121490.D
Acq: 31 Aug 2020 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	73411		
153	114.2		88.9	133.3
152	55.3		44.1	66.1





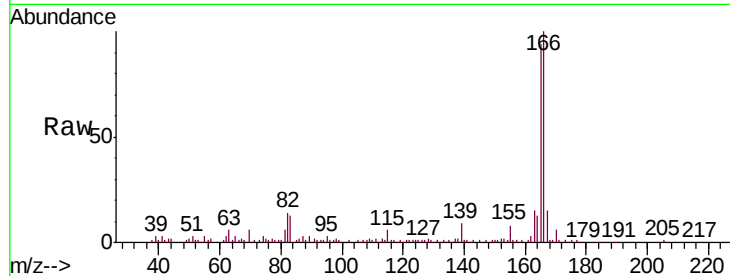
#58
 Fluorene
 Concen: 2.560 ng
 RT: 10.44 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF121490.D
 Acq: 31 Aug 2020 21:35

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

Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.9	75.7	113.5
167	14.7	11.1	16.7

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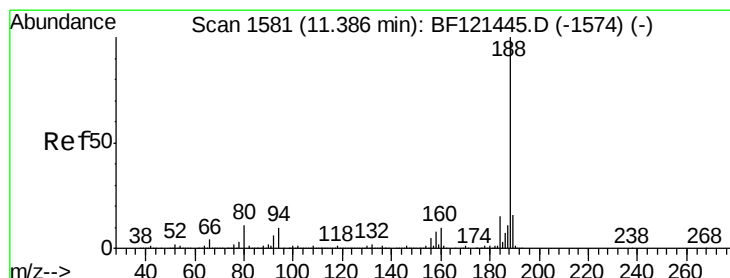
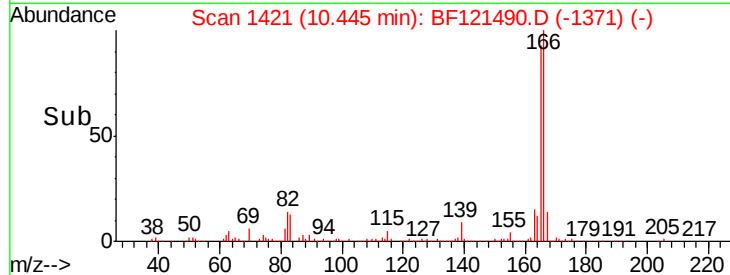
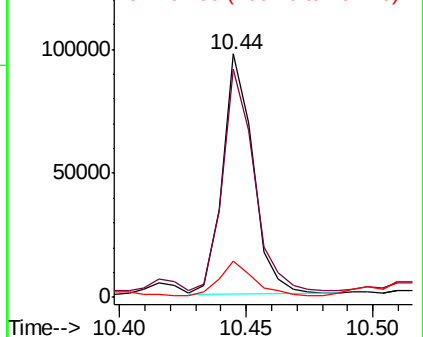


Abundance

Ion 166.00 (165.70 to 166.70): E

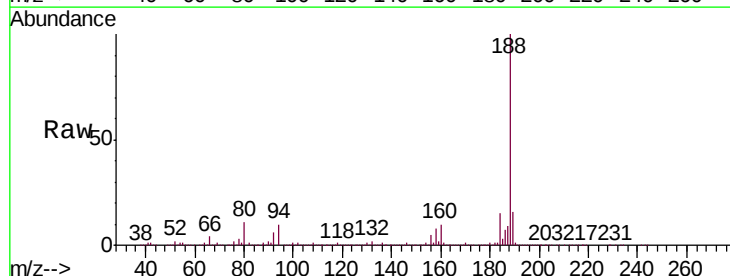
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: BF121490.D
 Acq: 31 Aug 2020 21:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.3	12.5
80	10.8	8.6	13.0

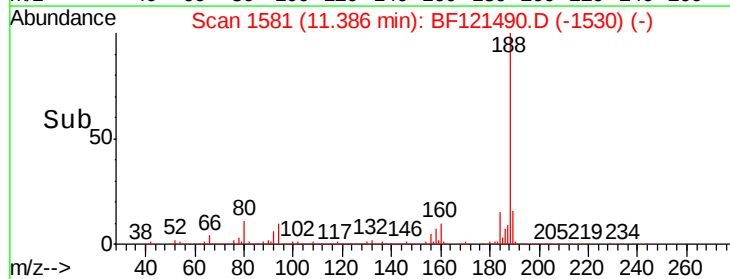
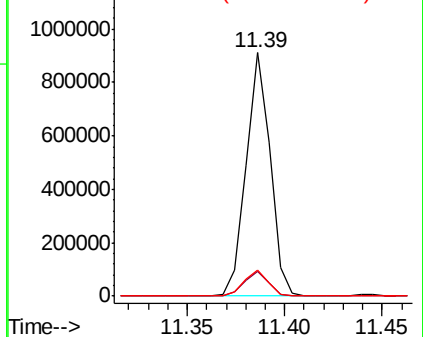


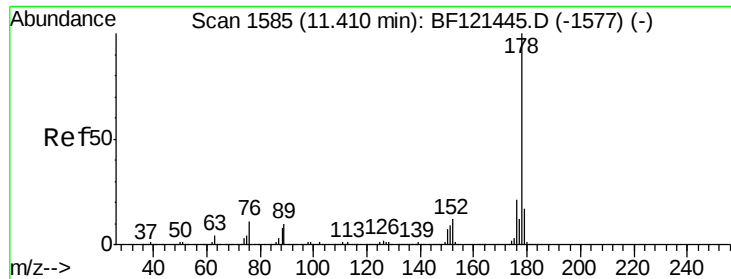
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





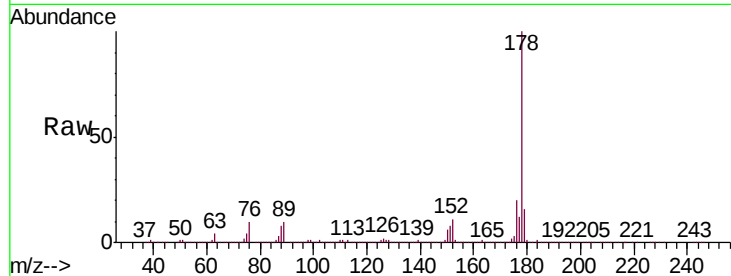
#71
Phenanthrene
Concen: 32.795 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF121490.D
Acq: 31 Aug 2020 21:35

Instrument :
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ClientSampleId :
LINDEN-JOP-BH-08-A

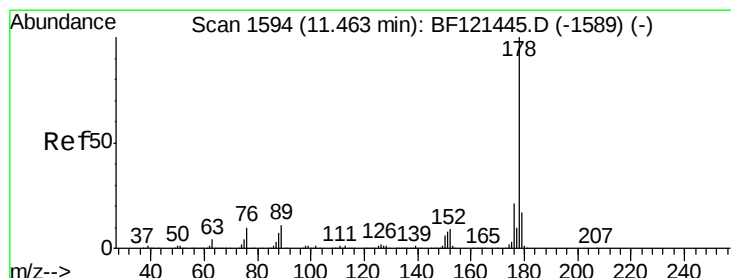
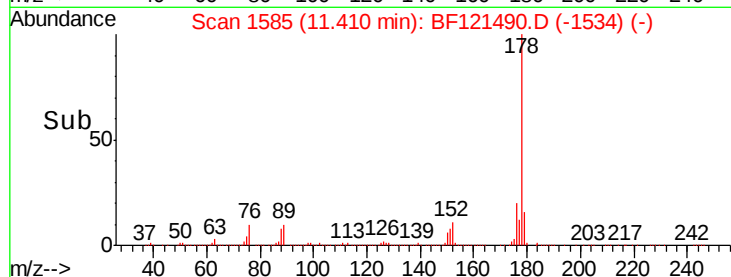
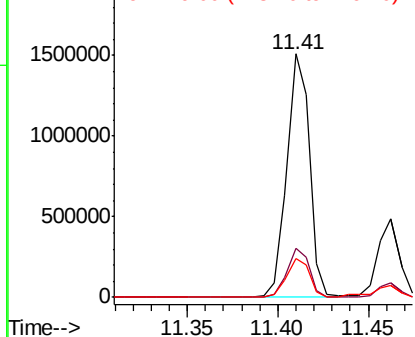
Tgt Ion:178 Resp: 1315089
Ion Ratio Lower Upper
178 100
176 20.2 16.9 25.3
179 16.2 13.4 20.0

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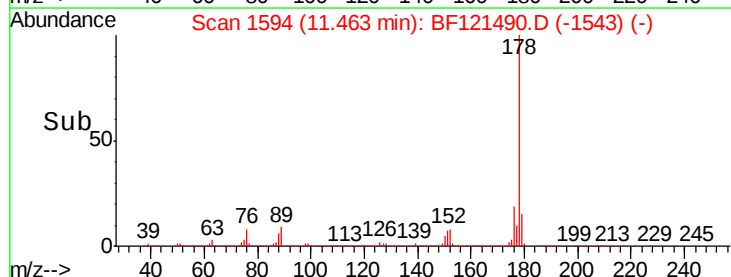
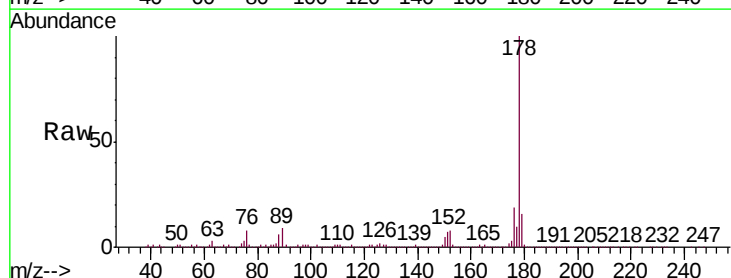
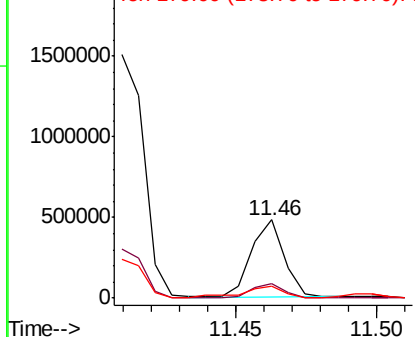
Abundance Ion 178.00 (177.70 to 178.70): E
2000000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

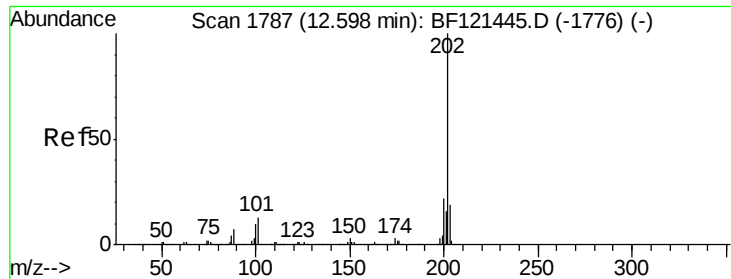


#72
Anthracene
Concen: 9.851 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.00 min
Lab File: BF121490.D
Acq: 31 Aug 2020 21:35

Tgt Ion:178 Resp: 388538
Ion Ratio Lower Upper
178 100
176 18.6 16.7 25.1
179 15.7 13.4 20.2

Abundance Ion 178.00 (177.70 to 178.70): E
2000000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 51.190 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

Instrument :

BNA_F

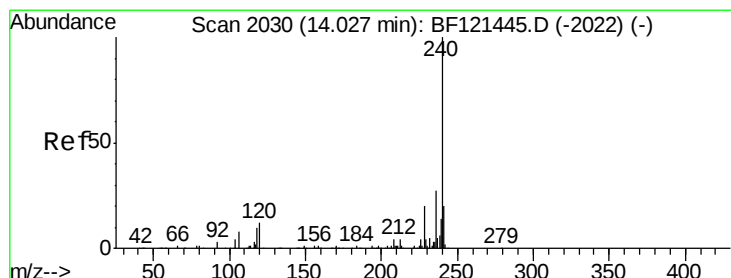
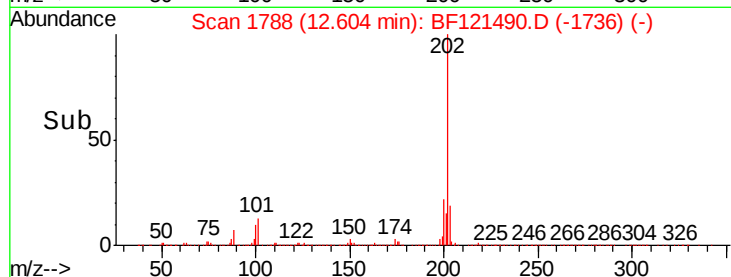
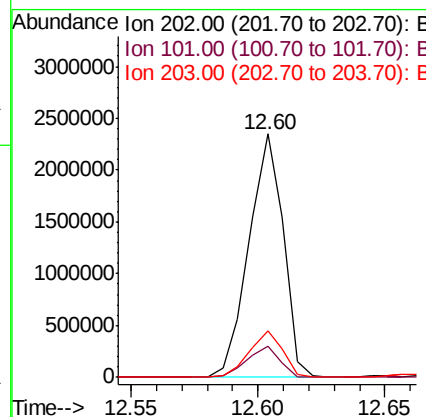
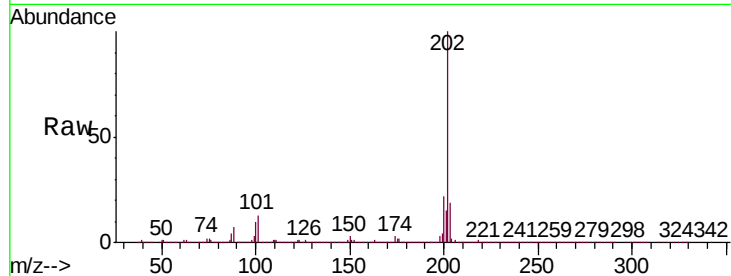
ClientSampleId :

LINDEN-JOP-BH-08-A

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2212297		
101	12.9	0.0	33.3	
203	19.2	0.0	39.1	

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#76

Chrysene-d12

Concen: 20.000 ng

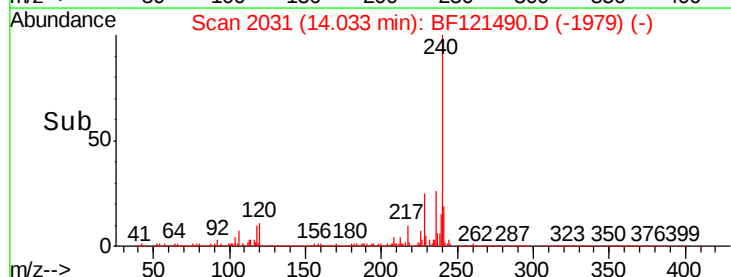
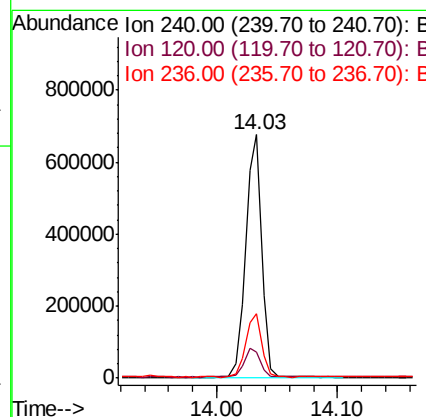
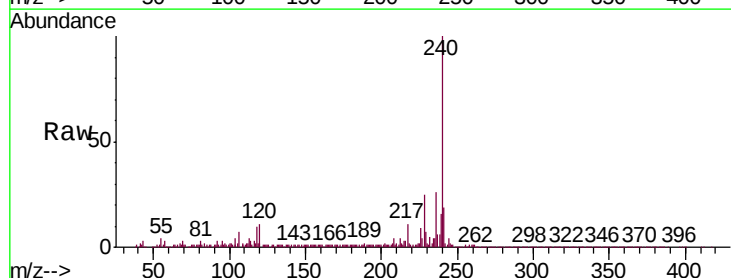
RT: 14.03 min Scan# 2031

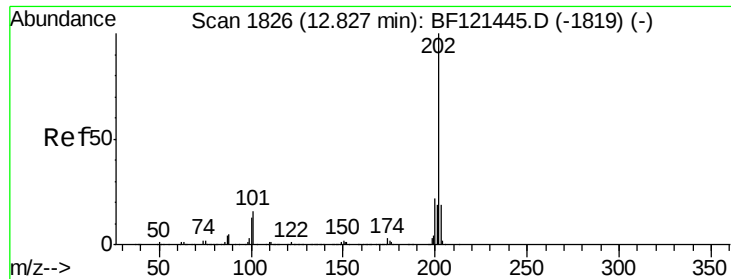
Delta R.T. 0.01 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	623084		
120	10.9	9.5	14.3	
236	26.3	21.8	32.6	





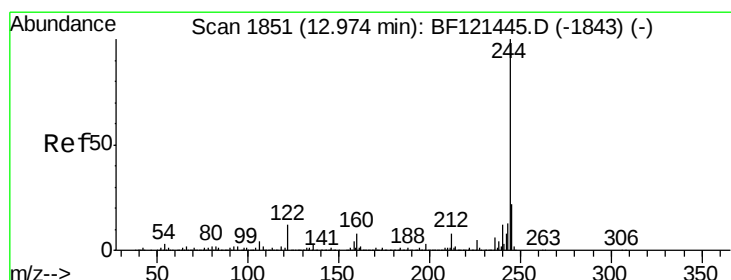
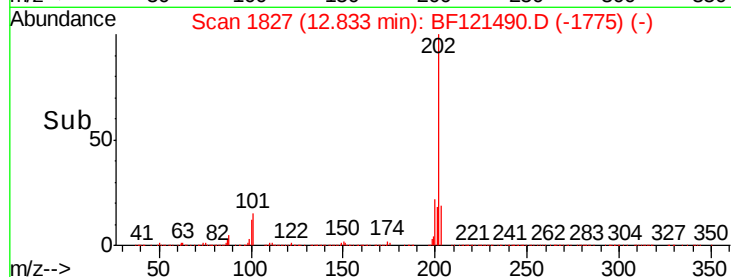
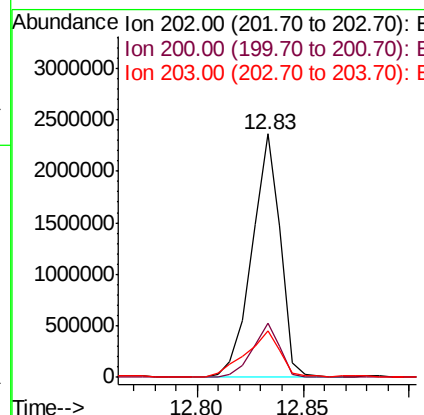
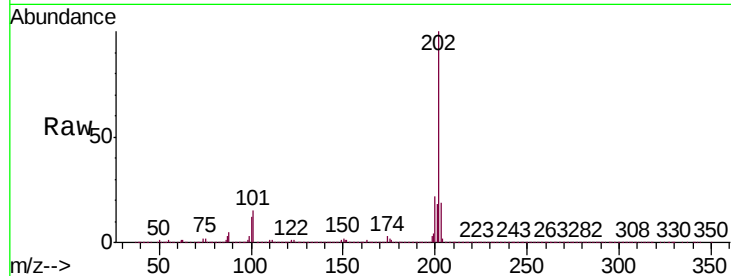
#78
 Pyrene
 Concen: 49.330 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF121490.D
 Acq: 31 Aug 2020 21:35

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

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.3	18.0	27.0
203	19.1	15.3	22.9

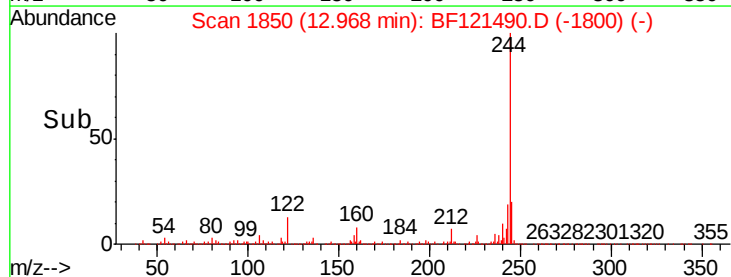
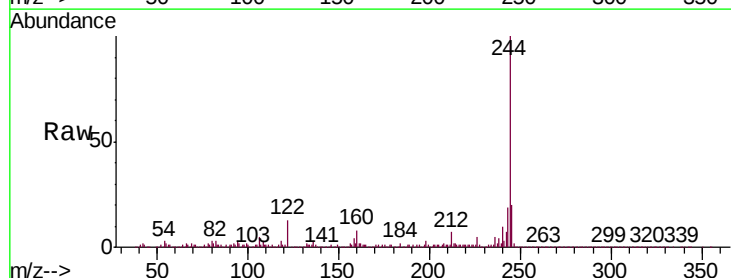
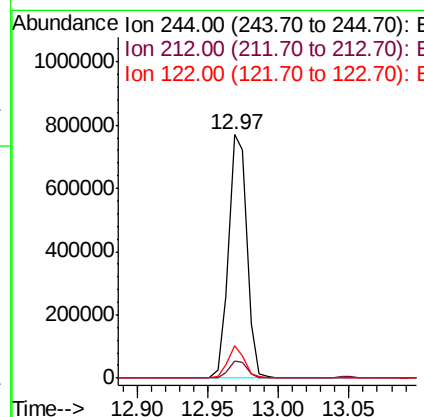
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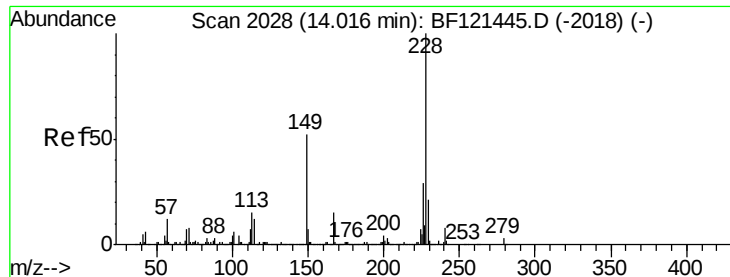
mohammad
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#79
 Terphenyl-d14
 Concen: 23.435 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF121490.D
 Acq: 31 Aug 2020 21:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.3	9.5
122	13.4	9.5	14.3





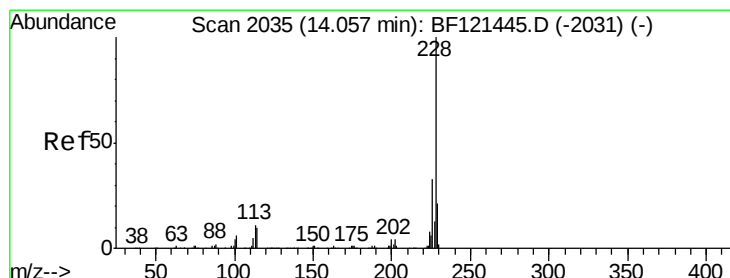
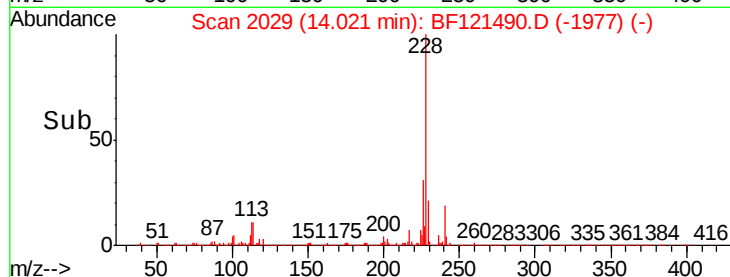
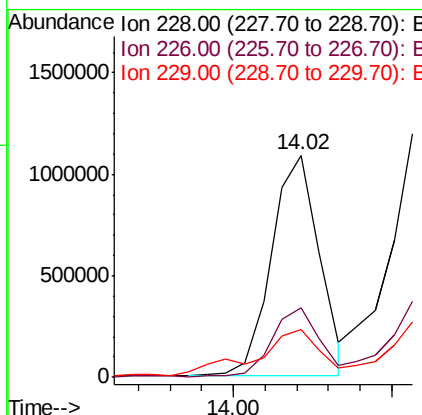
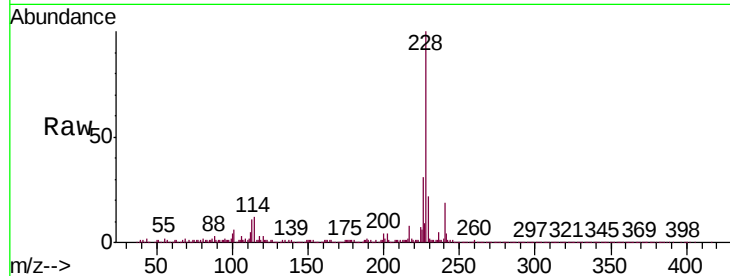
#81
Benzo(a)anthracene
Concen: 30.021 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF121490.D
Acq: 31 Aug 2020 21:35

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

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.0	34.4
229	21.5	16.6	24.8

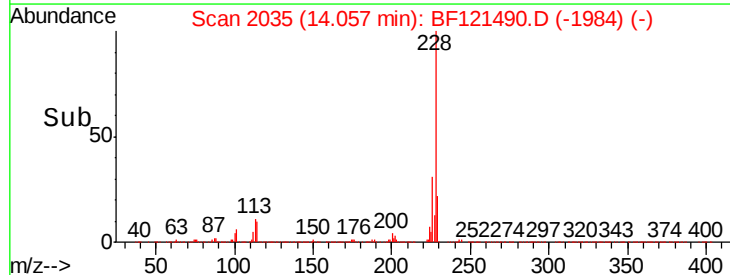
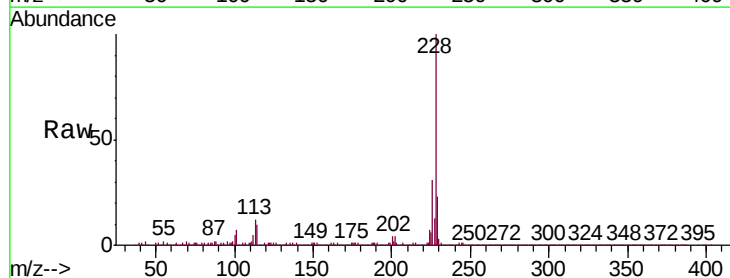
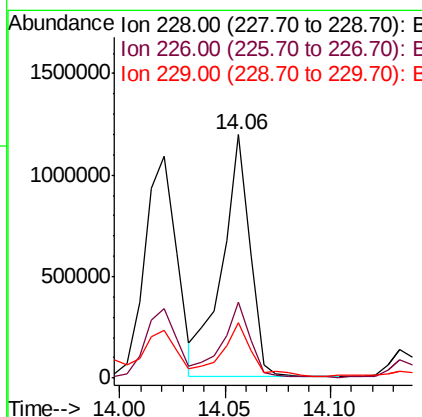
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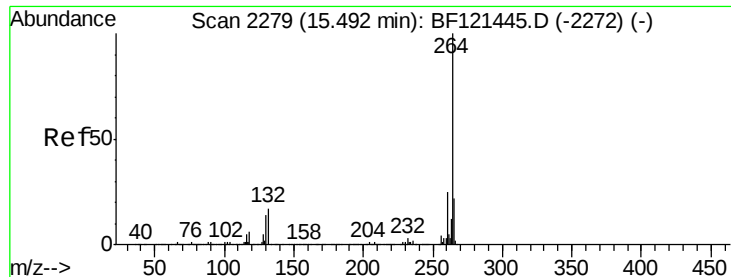
mohammad
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#83
Chrysene
Concen: 28.807 ng m
RT: 14.06 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BF121490.D
Acq: 31 Aug 2020 21:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	26.2	39.2
229	22.8	16.6	25.0





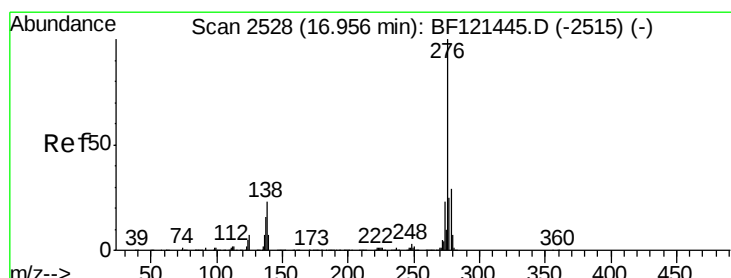
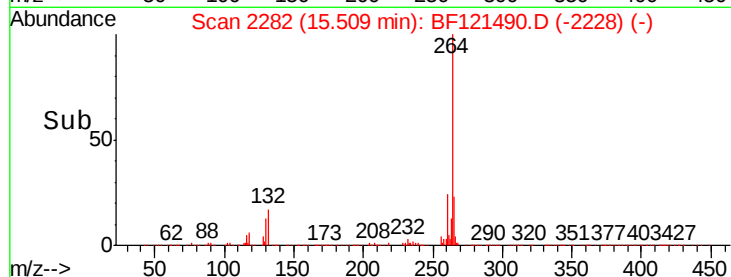
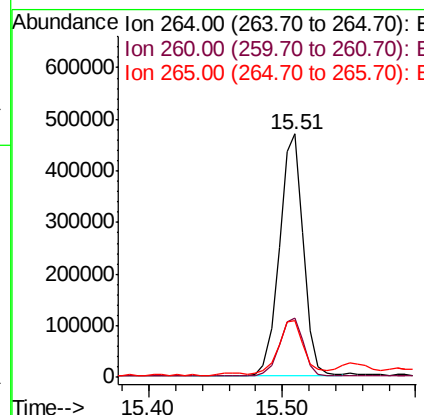
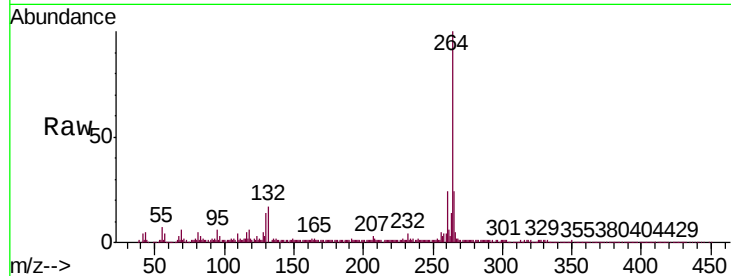
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.02 min
Lab File: BF121490.D
Acq: 31 Aug 2020 21:35

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

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.6	29.4
265	23.5	17.8	26.6

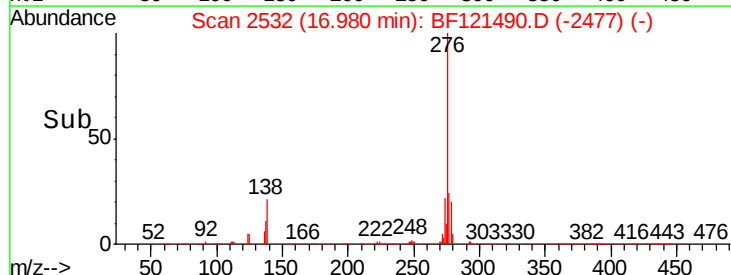
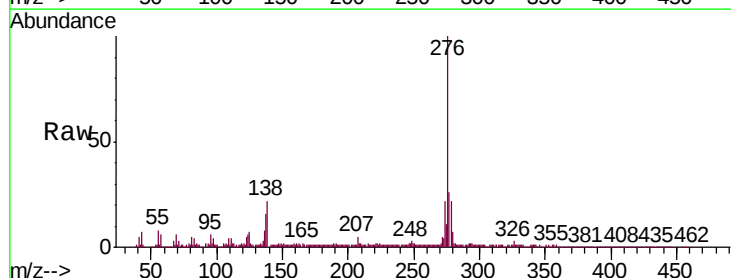
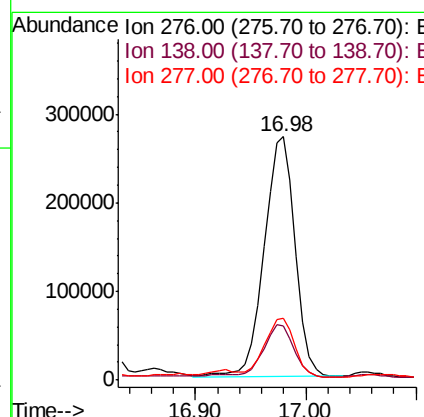
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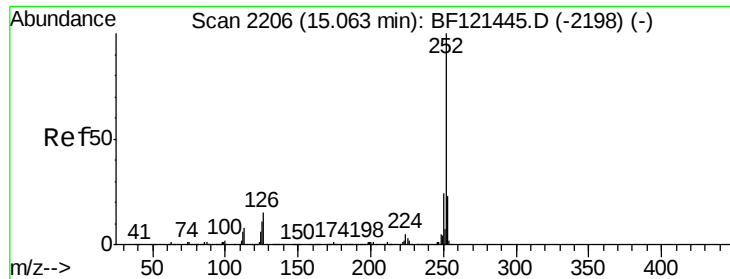
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#87
Indeno(1,2,3-cd)pyrene
Concen: 14.523 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.02 min
Lab File: BF121490.D
Acq: 31 Aug 2020 21:35

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.7	20.6	31.0
277	24.0	20.5	30.7





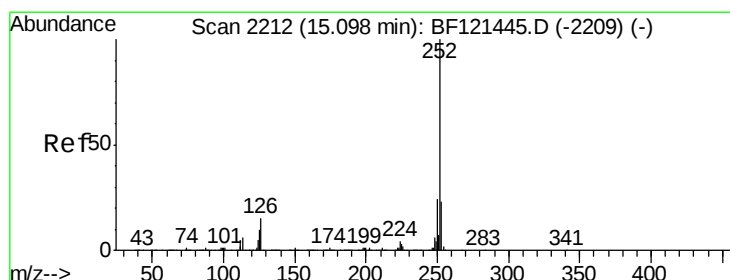
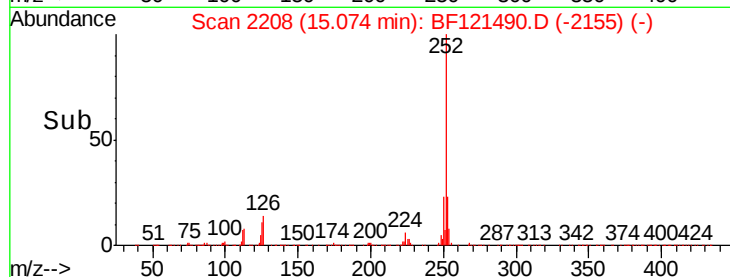
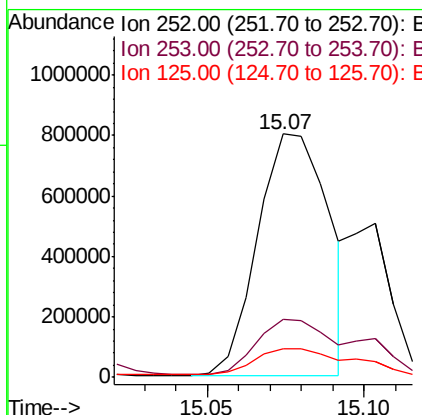
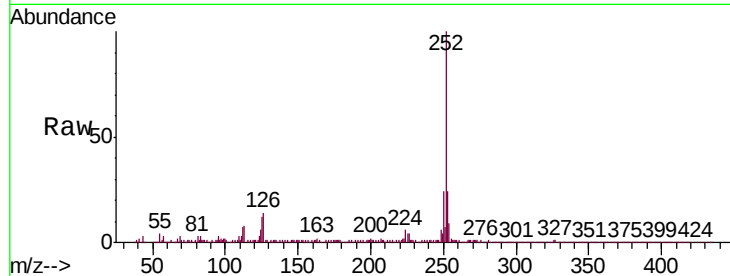
#88
Benzo(b)fluoranthene
Concen: 32.866 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF121490.D
Acq: 31 Aug 2020 21:35

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.3	27.5
125	11.7	9.2	13.8

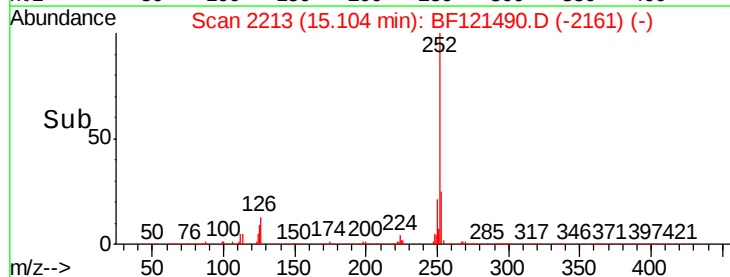
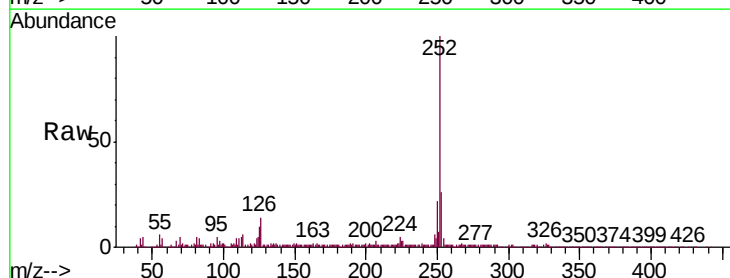
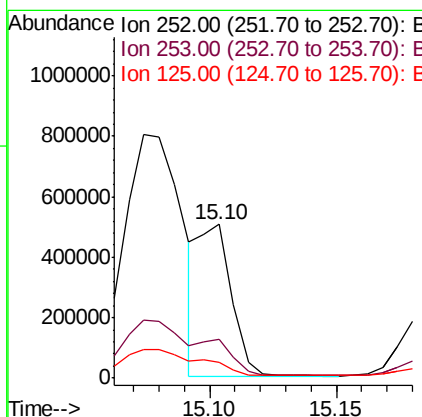
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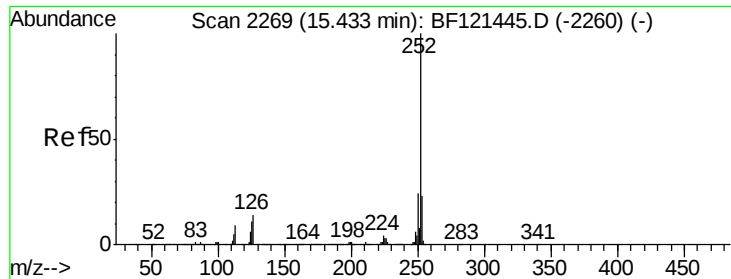
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#89
Benzo(k)fluoranthene
Concen: 12.424 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF121490.D
Acq: 31 Aug 2020 21:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.3	27.5
125	10.4	8.5	12.7





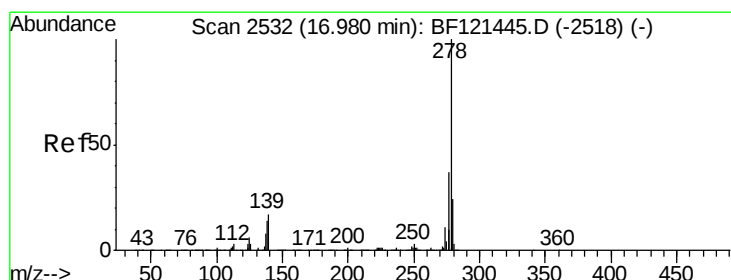
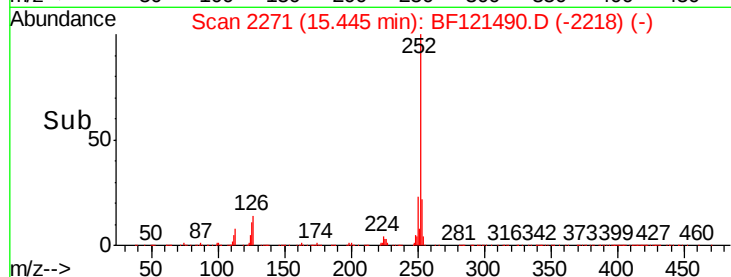
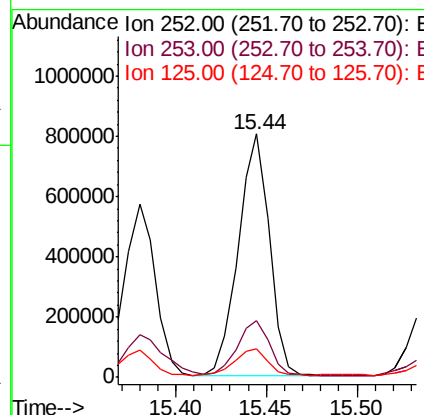
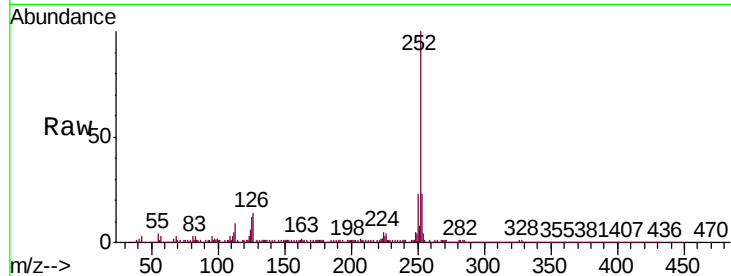
#90
Benzo(a)pyrene
Concen: 27.638 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF121490.D
Acq: 31 Aug 2020 21:35

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

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	956884		
253	23.4	18.0	27.0	
125	11.7	9.0	13.4	

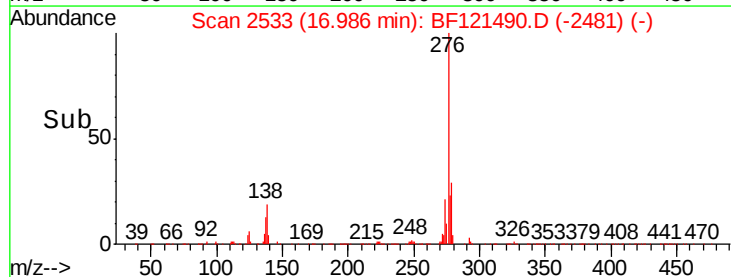
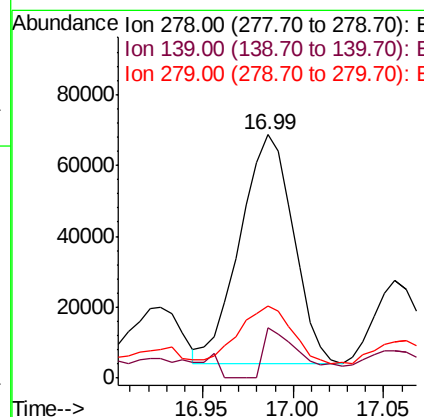
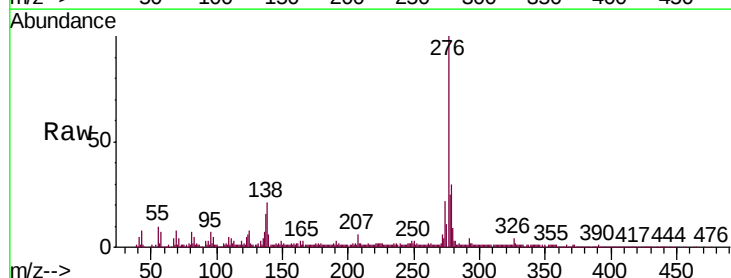
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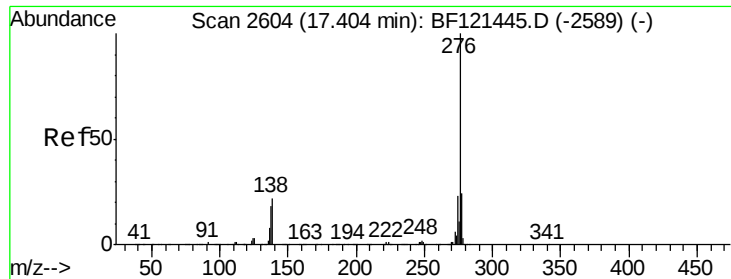
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 4.453 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.01 min
Lab File: BF121490.D
Acq: 31 Aug 2020 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	132741		
139	20.8	13.3	19.9#	
279	29.7	19.4	29.0#	





#92
 Benzo(g,h,i)perylene
 Concen: 19.659 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.02 min
 Lab File: BF121490.D
 Acq: 31 Aug 2020 21:35

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

Tgt Ion:	276	Resp:	564560
Ion Ratio		Lower	Upper
276	100		
277	24.5	18.9	28.3
138	22.3	17.4	26.0

Manual Integrations
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