

Data File : BF121510.D
Acq On : 1 Sep 2020 22:15
Operator : JU/CG
Sample : L3847-03DL 25X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Sep 07 04:10:23 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	262532	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1020775	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	518443	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	887889	20.00	ng	0.00
76) Chrysene-d12	14.03	240	644269	20.00	ng	0.00
86) Perylene-d12	15.51	264	714210	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	24969	1.60	ng	-0.01
7) Phenol-d6	6.47	99	36741	1.68	ng	-0.02
23) Nitrobenzene-d5	7.42	82	20811	1.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	9135	1.74	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	55316	1.72	ng	-0.01
79) Terphenyl-d14	12.97	244	49553	1.62	ng	0.00

Target Compounds					Qvalue
52) Acenaphthene	9.93	154	69065	2.268 ng	98
71) Phenanthrene	11.41	178	960270	21.075 ng	98
72) Anthracene	11.46	178	224419	5.008 ng	95
75) Fluoranthene	12.60	202	1376112	28.023 ng	97
78) Pyrene	12.83	202	1896306	41.213 ng	98
81) Benzo(a)anthracene	14.02	228	691151	17.573 ng	98
83) Chrysene	14.06	228	784388m	19.935 ng	
87) Indeno(1,2,3-cd)pyrene	16.97	276	309793	7.050 ng	95
88) Benzo(b)fluoranthene	15.08	252	675425m	14.538 ng	
89) Benzo(k)fluoranthene	15.09	252	235093m	5.440 ng	
90) Benzo(a)pyrene	15.44	252	628796	15.052 ng	99
91) Dibenzo(a,h)anthracene	16.99	278	86932m	2.417 ng	
92) Benzo(g,h,i)perylene	17.42	276	306939	8.858 ng	98

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

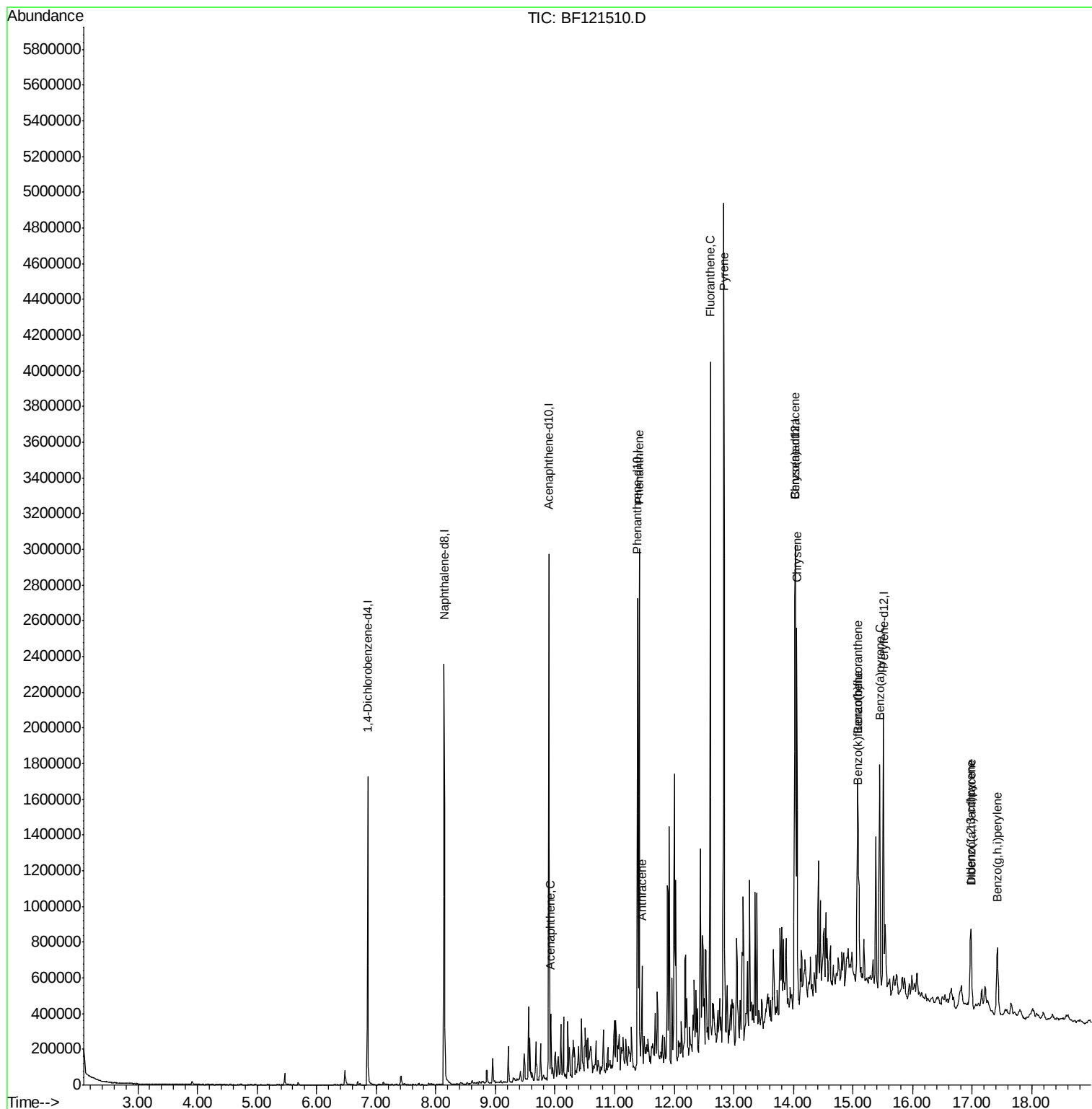
Data File : BF121510.D
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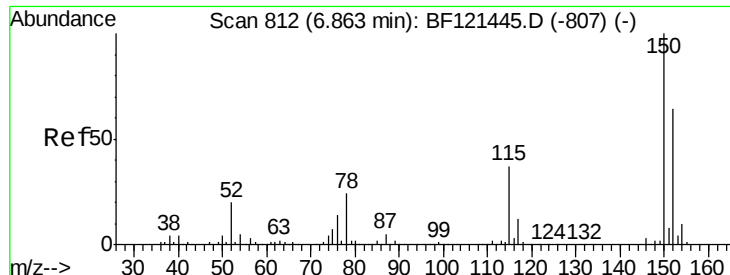
Instrument :
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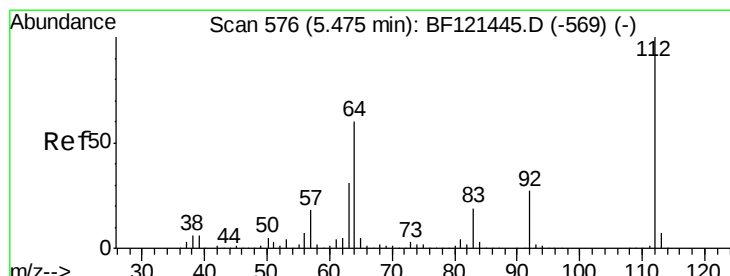
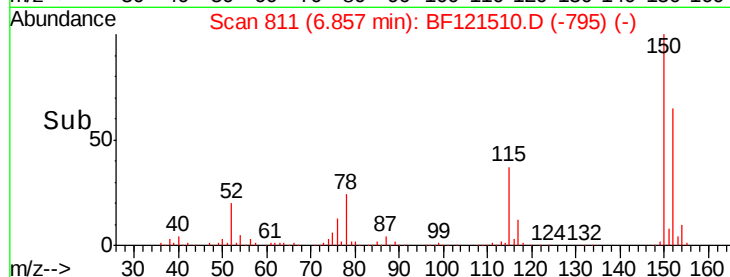
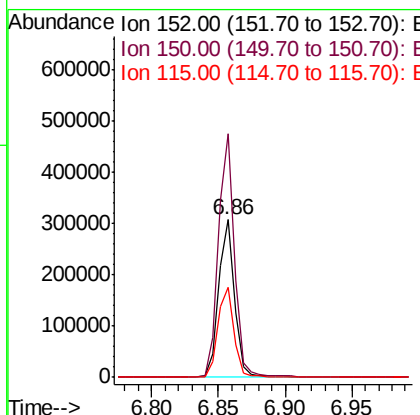
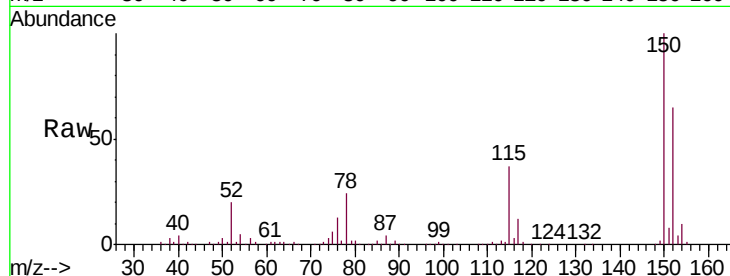
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF121510.D
 Acq: 1 Sep 2020 22:15

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

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	262532		
150	154.6	125.8	188.6	
115	57.3	46.6	69.8	

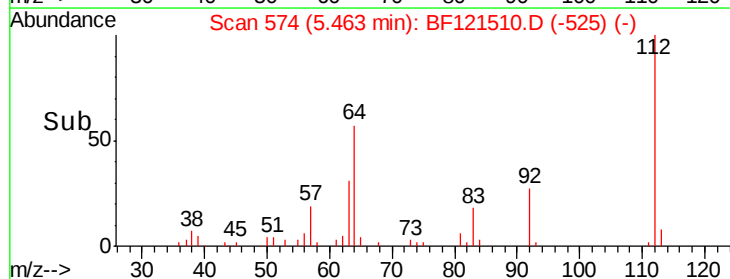
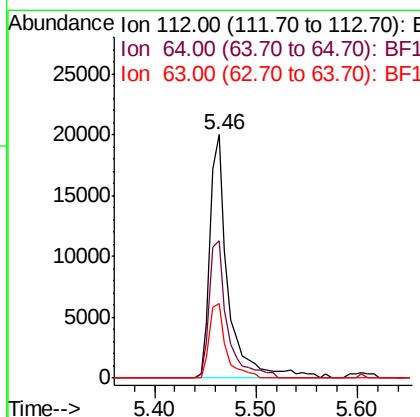
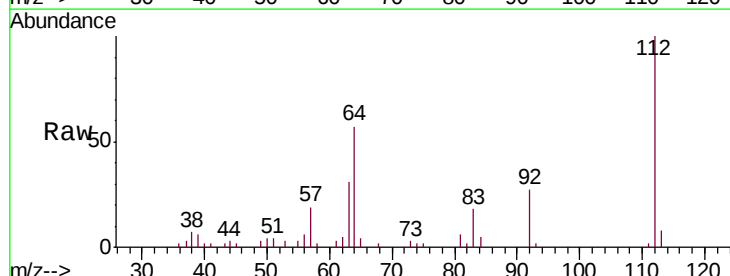
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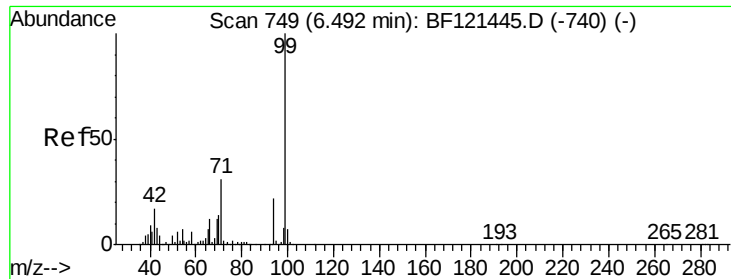
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#5
 2-Fluorophenol
 Concen: 1.596 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF121510.D
 Acq: 1 Sep 2020 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	24969		
64	56.5	48.2	72.2	
63	30.8	24.8	37.2	





#7

Phenol-d6

Concen: 1.680 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF121510.D

Acq: 1 Sep 2020 22:15

Instrument :

BNA_F

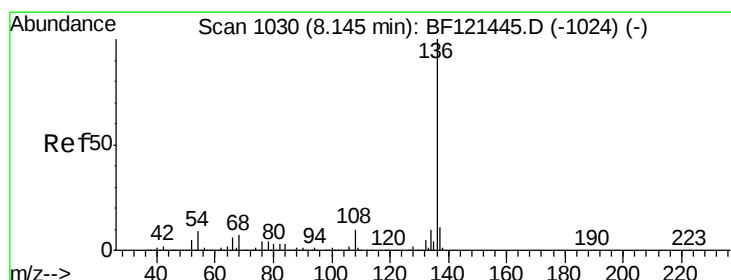
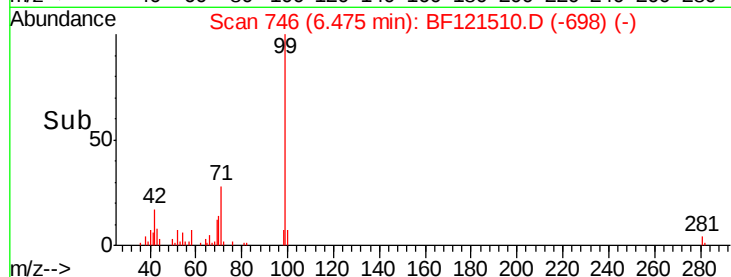
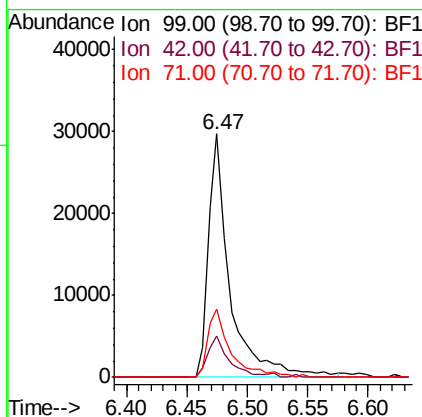
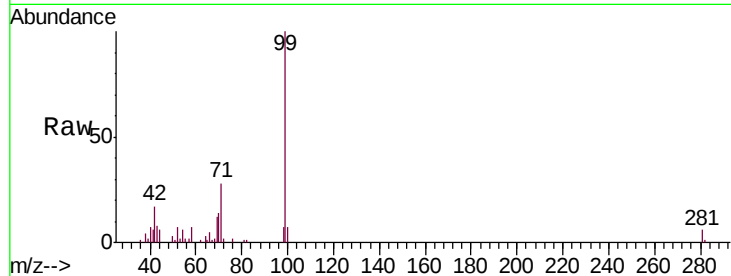
ClientSampleId :

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Tgt Ion:	99	Resp:	36741
Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.5	20.3
71	27.9	24.6	37.0

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#21

Naphthalene-d8

Concen: 20.000 ng

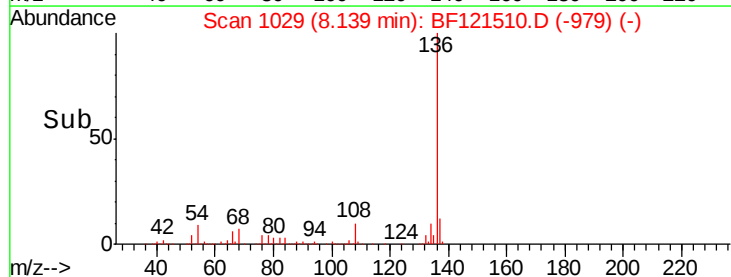
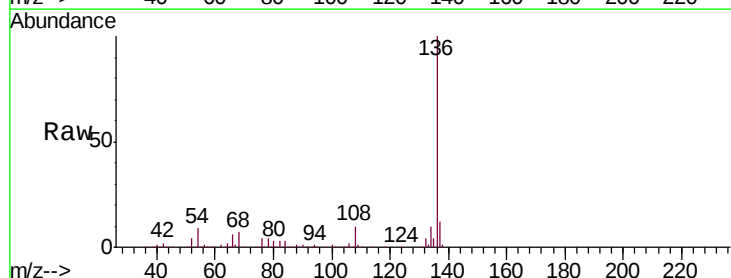
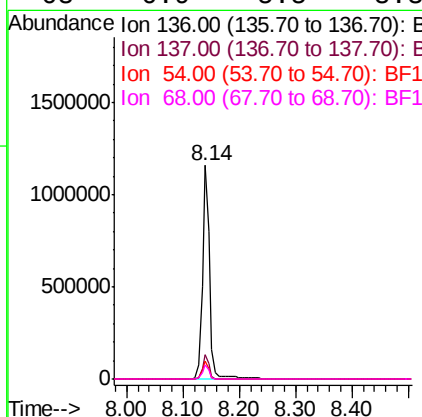
RT: 8.14 min Scan# 1029

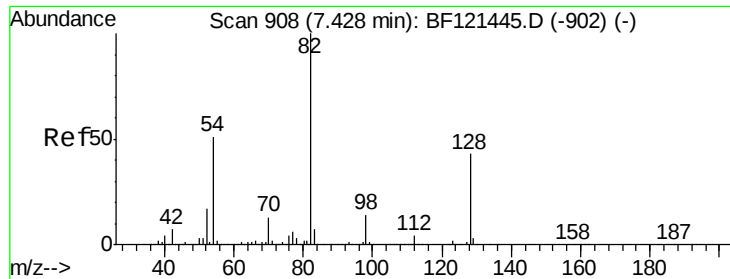
Delta R.T. -0.01 min

Lab File: BF121510.D

Acq: 1 Sep 2020 22:15

Tgt Ion:	136	Resp:	1020775
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	8.5	7.0	10.4
68	6.9	5.5	8.3





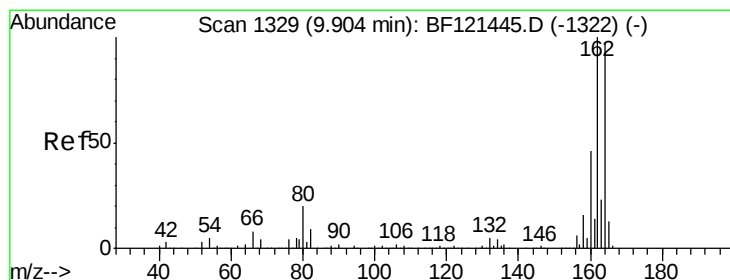
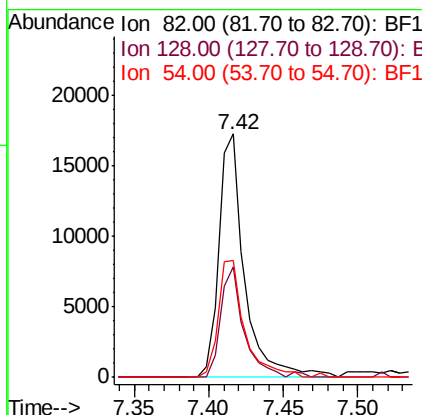
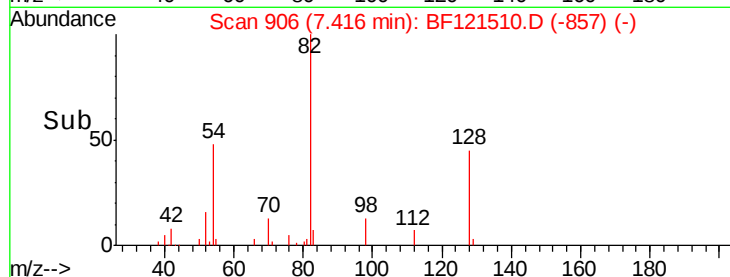
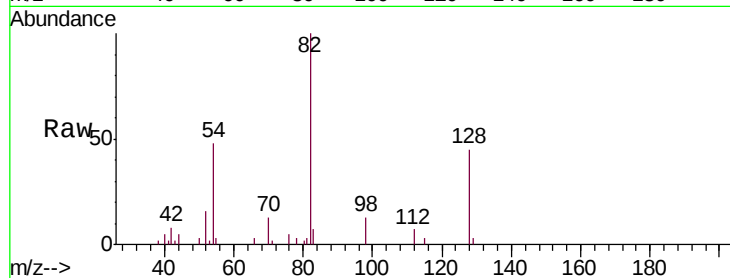
#23
Nitrobenzene-d5
Concen: 1.394 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

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

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.4	34.1	51.1
54	47.8	41.0	61.6

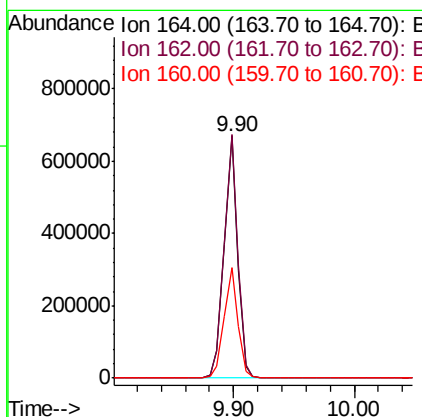
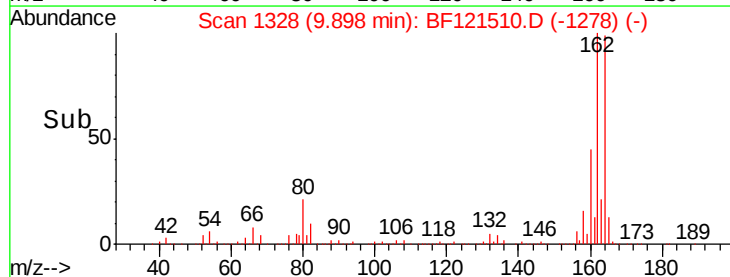
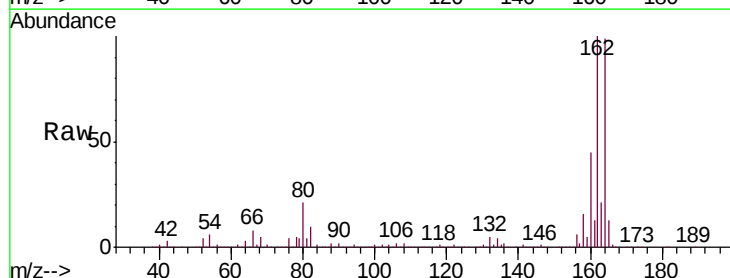
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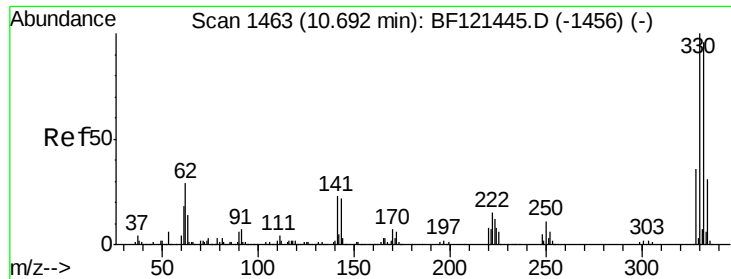
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.4	123.6
160	45.6	37.6	56.4





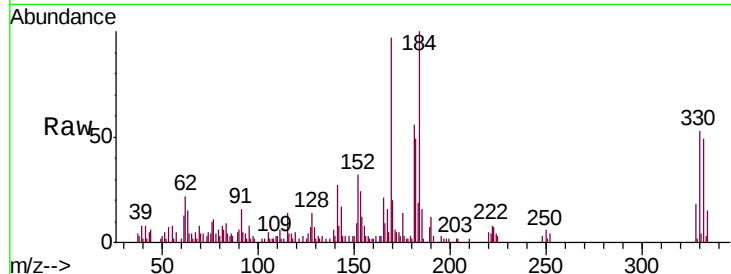
#42
 2,4,6-Tribromophenol
 Concen: 1.744 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF121510.D
 Acq: 1 Sep 2020 22:15

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

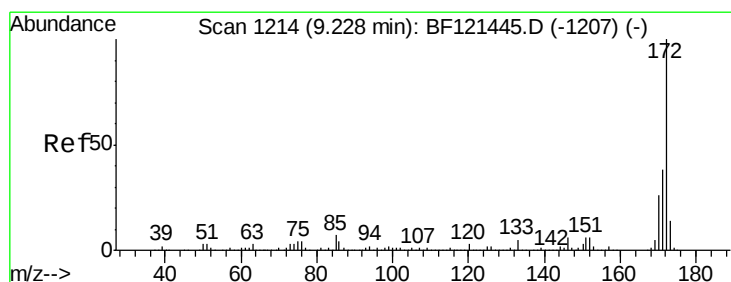
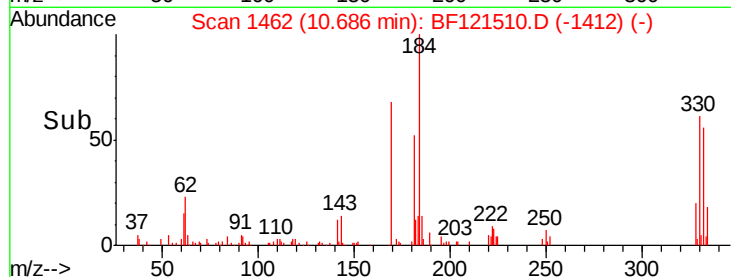
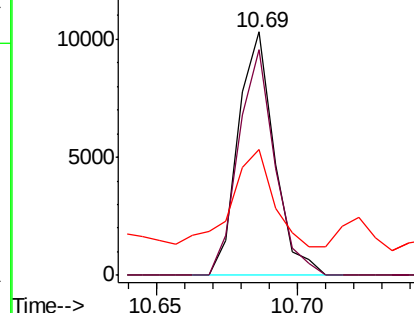
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	9135		
332	93.5	76.2	114.2	
141	46.6	24.6	36.8	

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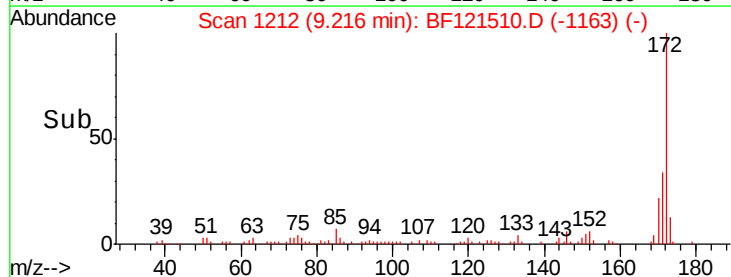
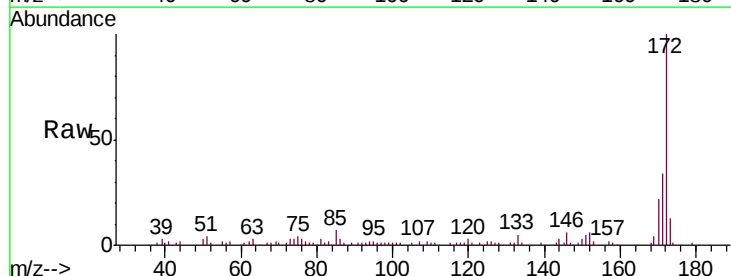
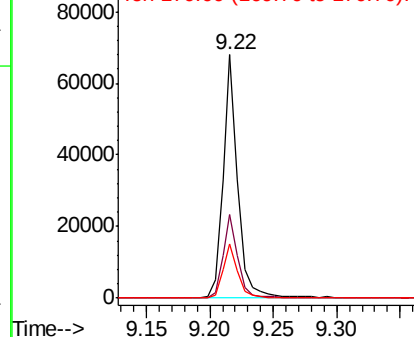
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

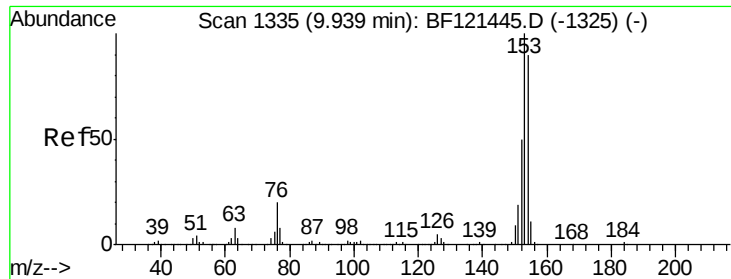


#45
 2-Fluorobiphenyl
 Concen: 1.722 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF121510.D
 Acq: 1 Sep 2020 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	55316		
171	34.3	30.6	45.8	
170	22.1	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





#52

Acenaphthene

Concen: 2.268 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF121510.D

Acq: 1 Sep 2020 22:15

Instrument :

BNA_F

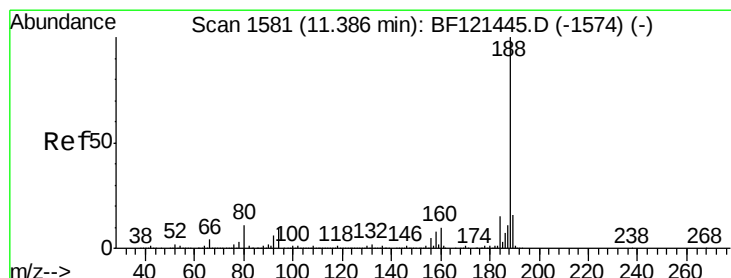
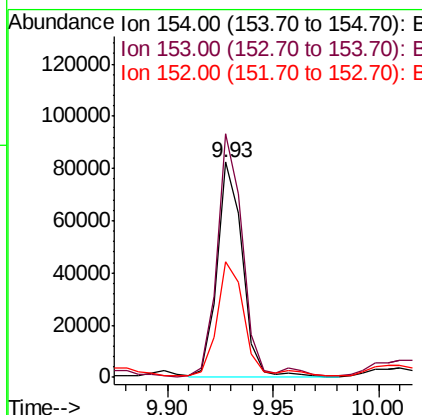
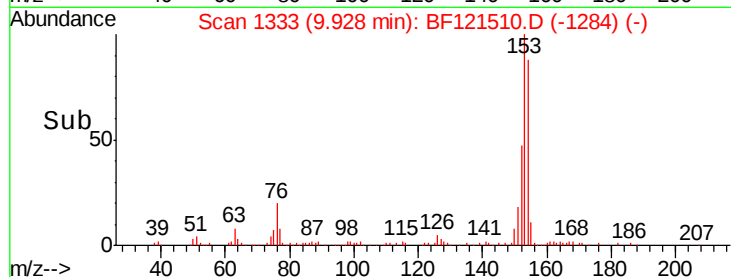
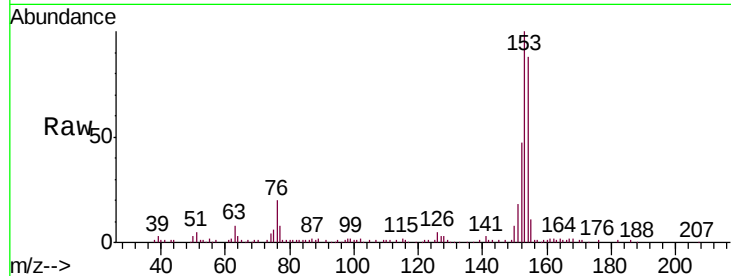
ClientSampleId :

LINDEN-JOP-BH-08-BDL

Tgt Ion:	154	Resp:	69065
Ion Ratio	Lower	Upper	
154	100		
153	113.1	88.9	133.3
152	53.6	44.1	66.1

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#64

Phenanthrene-d10

Concen: 20.000 ng

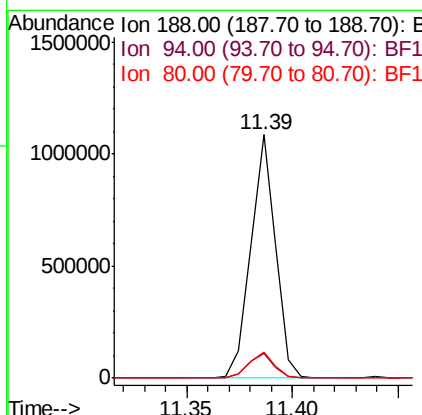
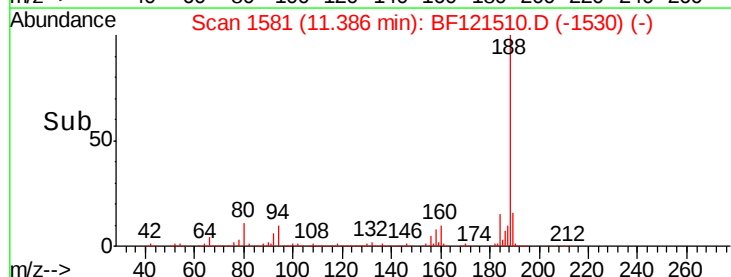
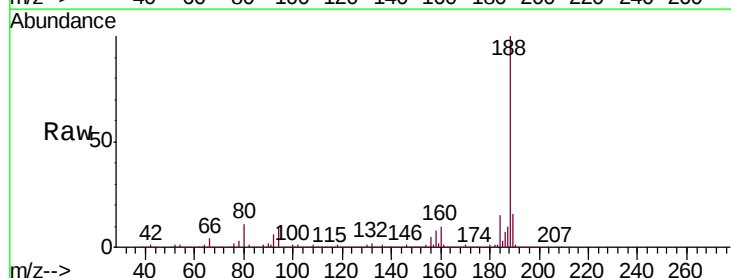
RT: 11.39 min Scan# 1581

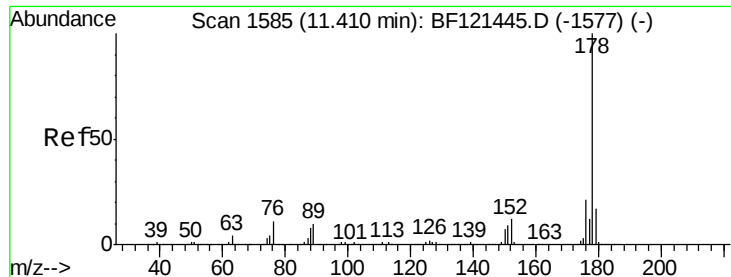
Delta R.T. 0.00 min

Lab File: BF121510.D

Acq: 1 Sep 2020 22:15

Tgt Ion:	188	Resp:	887889
Ion Ratio	Lower	Upper	
188	100		
94	10.3	8.3	12.5
80	10.9	8.6	13.0





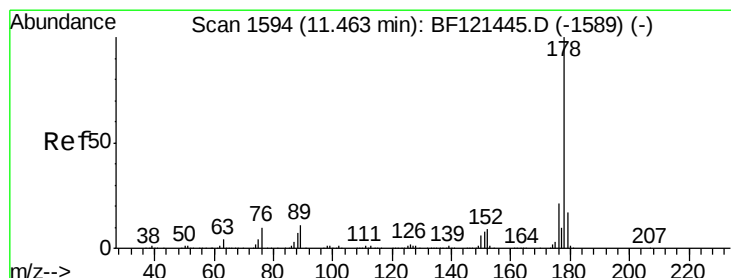
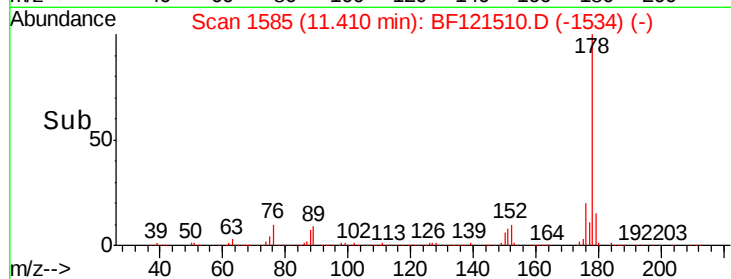
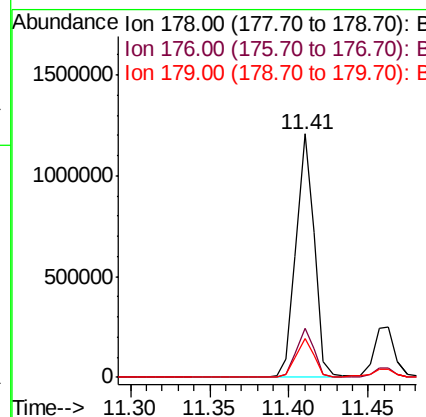
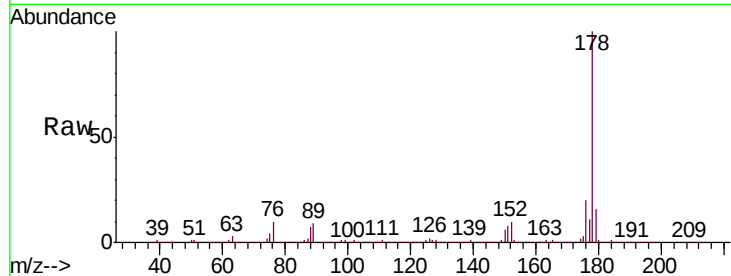
#71
Phenanthrene
Concen: 21.075 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

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

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.9	25.3
179	15.8	13.4	20.0

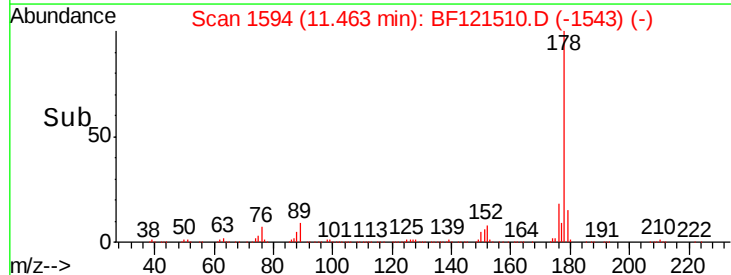
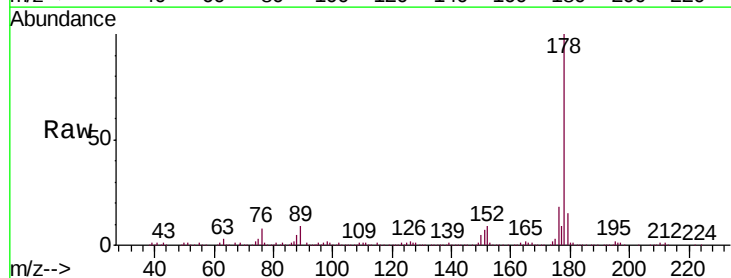
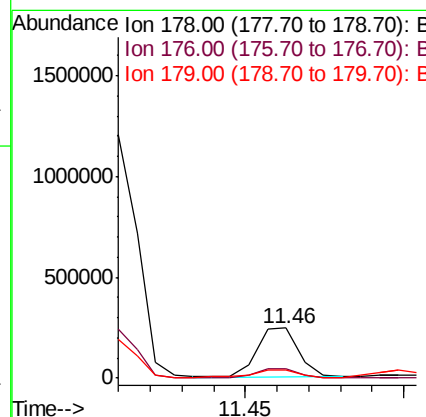
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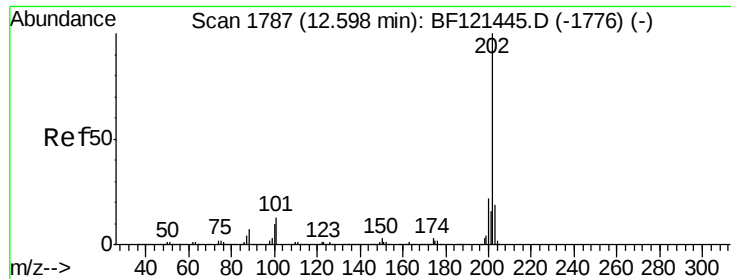
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#72
Anthracene
Concen: 5.008 ng
RT: 11.46 min Scan# 1594
Delta R.T. 0.00 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	16.7	25.1
179	15.2	13.4	20.2





#75

Fluoranthene

Concen: 28.023 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BF121510.D

Acq: 1 Sep 2020 22:15

Instrument :

BNA_F

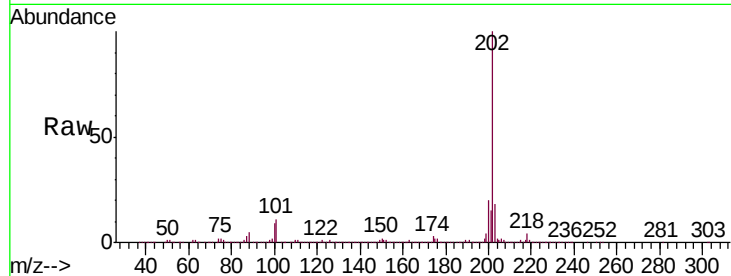
ClientSampleId :

LINDEN-JOP-BH-08-BDL

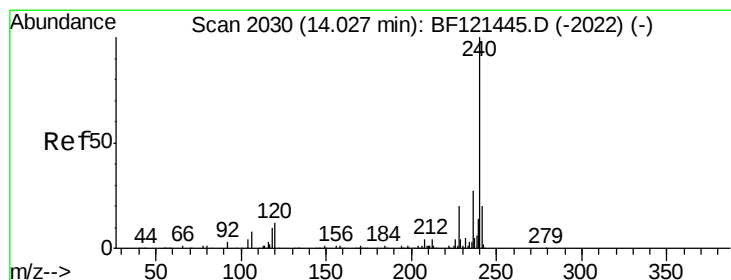
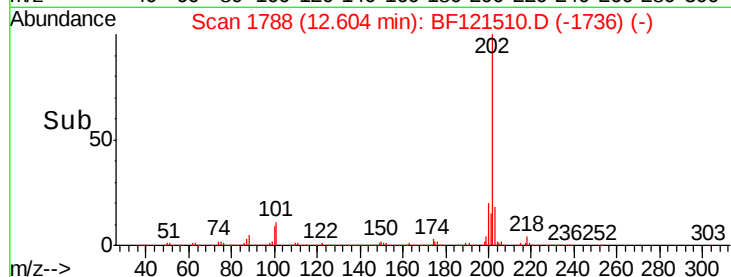
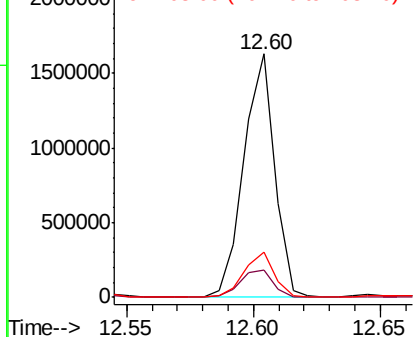
Tgt Ion:	202	Resp:	1376112
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	33.3
203	18.3	0.0	39.1

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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

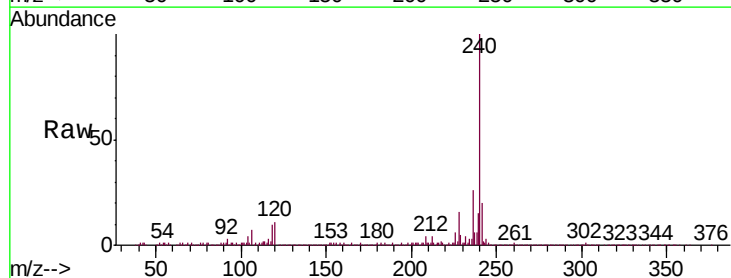
RT: 14.03 min Scan# 2031

Delta R.T. 0.01 min

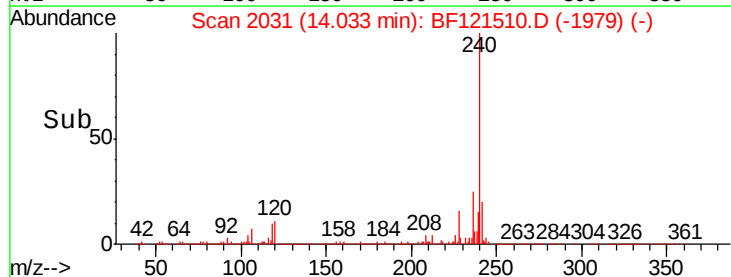
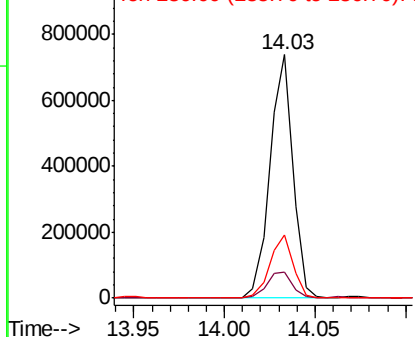
Lab File: BF121510.D

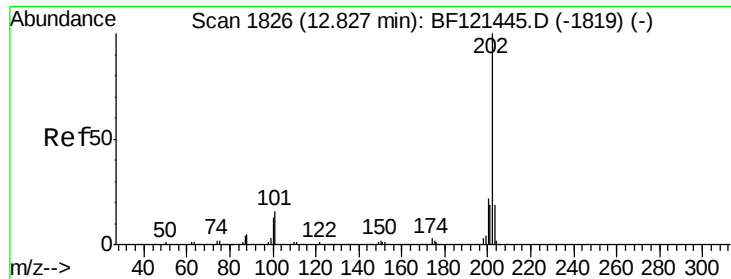
Acq: 1 Sep 2020 22:15

Tgt Ion:	240	Resp:	644269
Ion Ratio	Lower	Upper	
240	100		
120	10.8	9.5	14.3
236	25.7	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





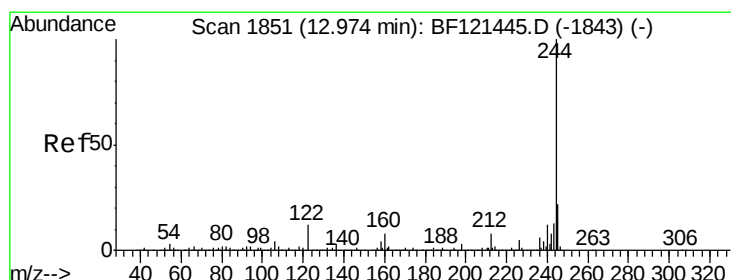
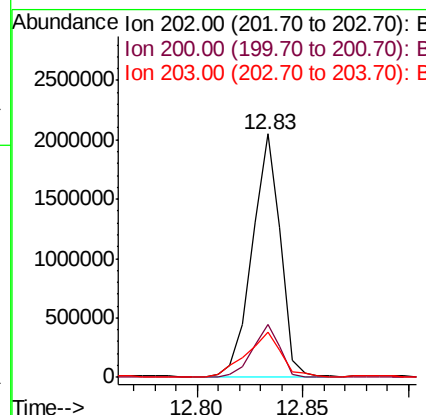
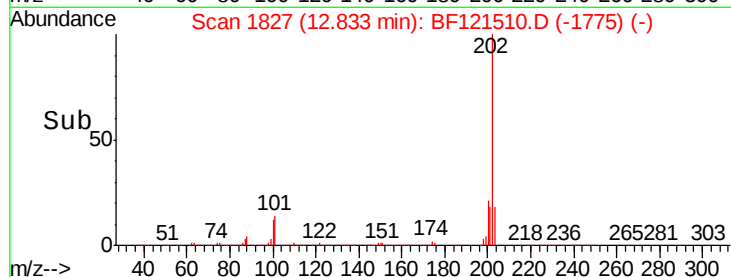
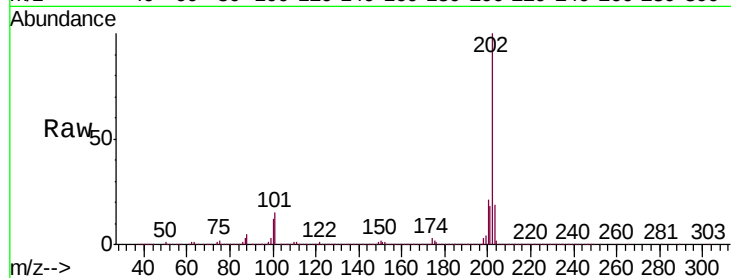
#78
Pyrene
Concen: 41.213 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

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

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	18.0	27.0
203	18.6	15.3	22.9

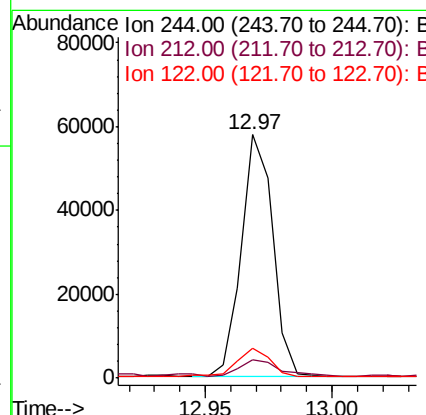
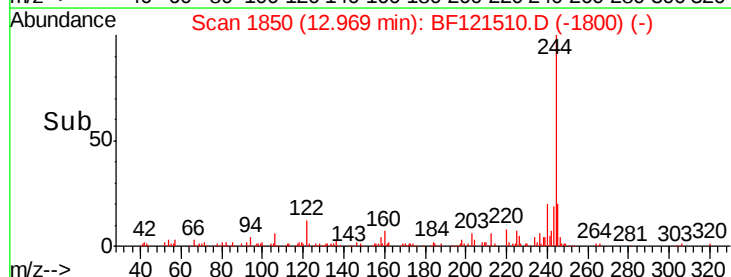
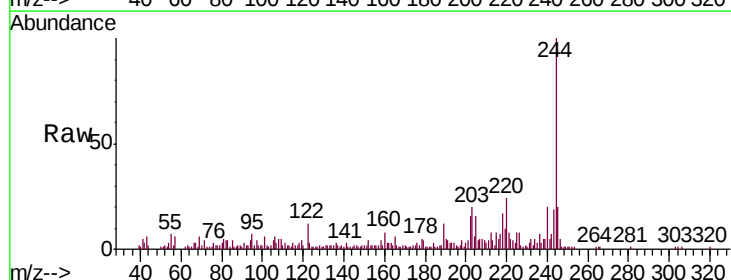
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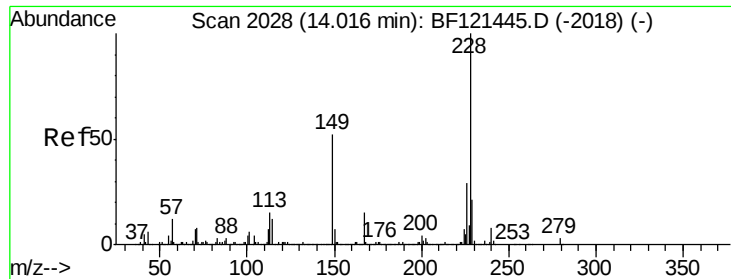
mohammad
9/2/2020 1:57:39 PM



#79
Terphenyl-d14
Concen: 1.619 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.3	9.5
122	12.4	9.5	14.3





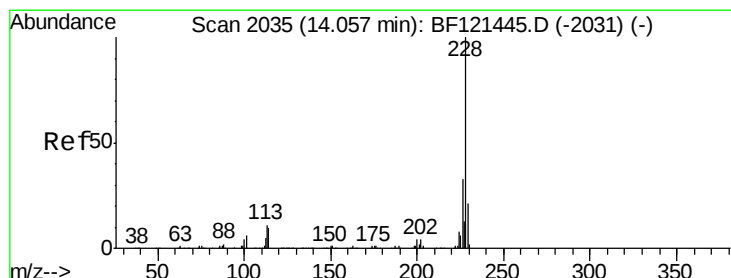
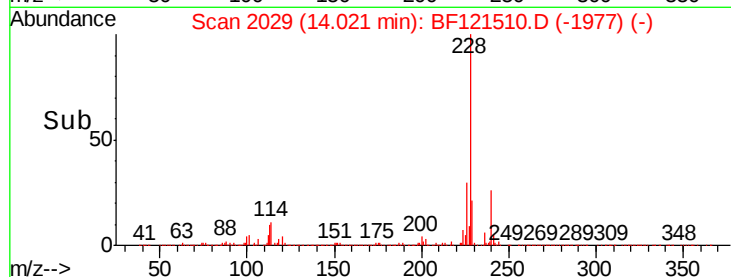
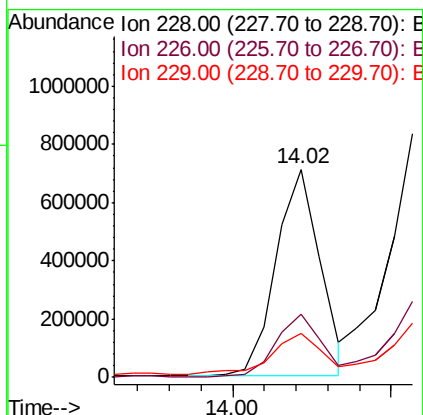
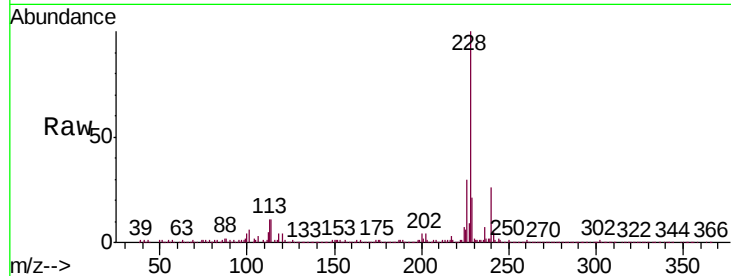
#81
Benzo(a)anthracene
Concen: 17.573 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

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

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.0	34.4
229	21.2	16.6	24.8

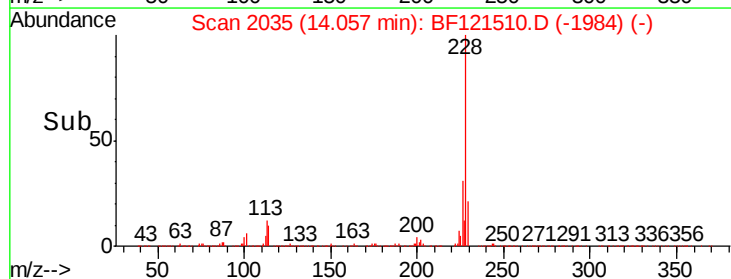
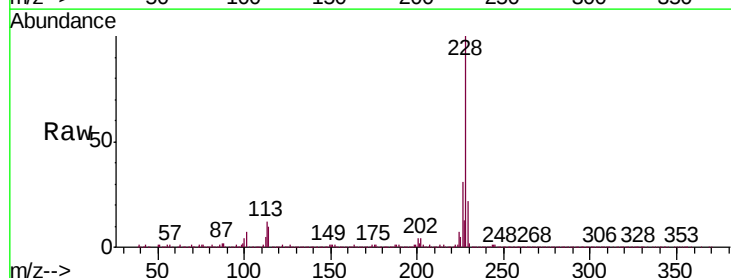
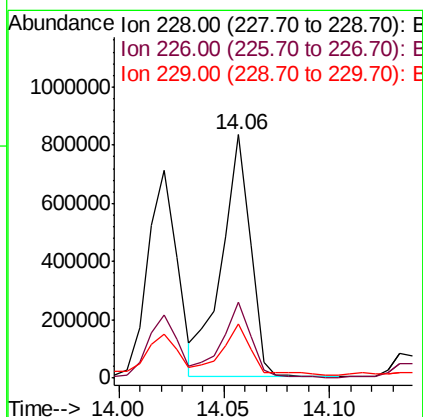
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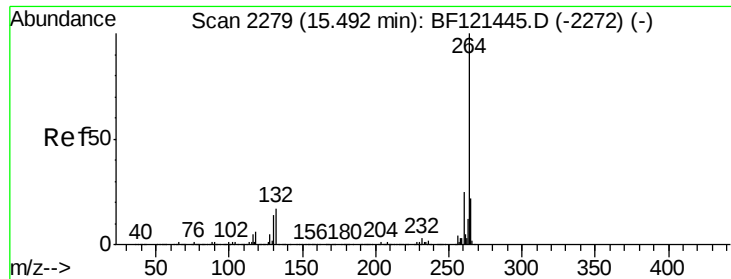
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#83
Chrysene
Concen: 19.935 ng m
RT: 14.06 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	26.2	39.2
229	22.1	16.6	25.0





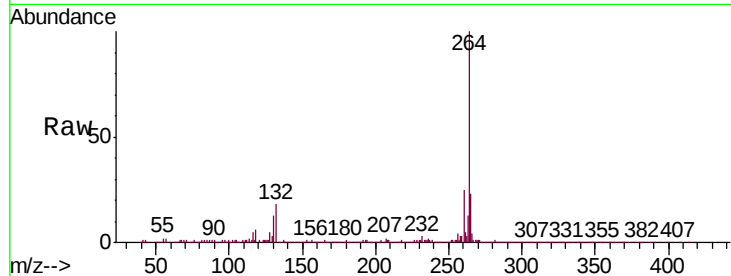
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.02 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

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

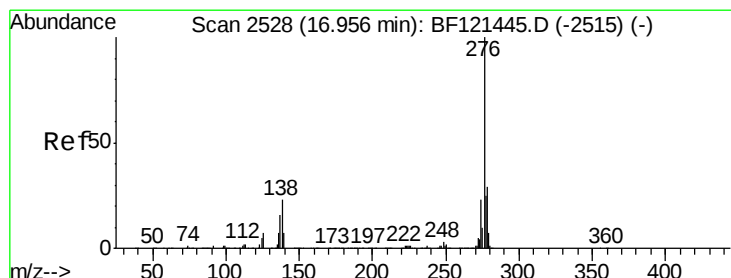
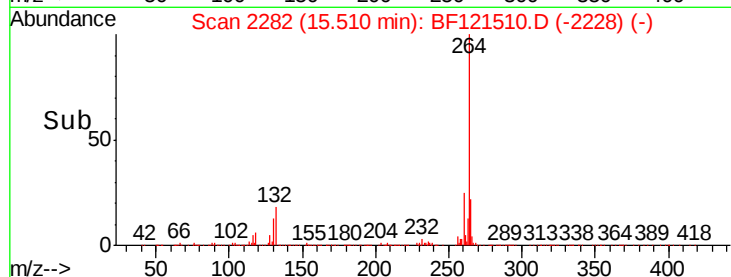
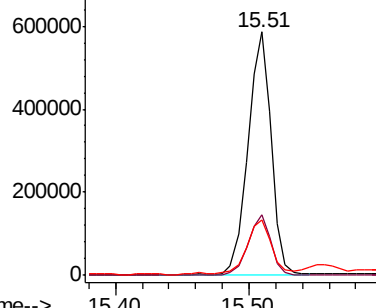
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.6	29.4
265	22.7	17.8	26.6

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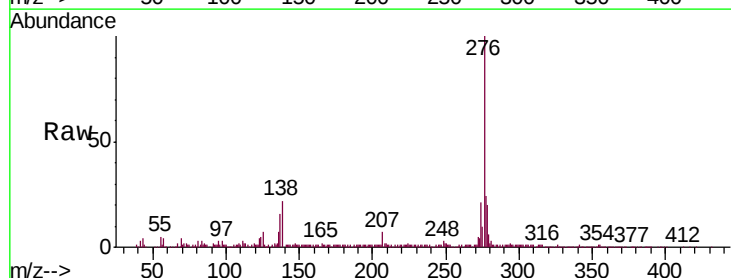


Abundance Ion 264.00 (263.70 to 264.70): E
800000
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

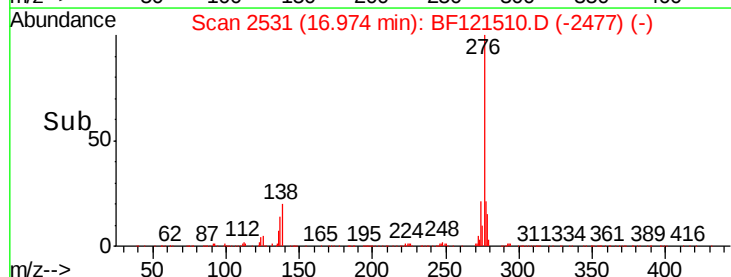
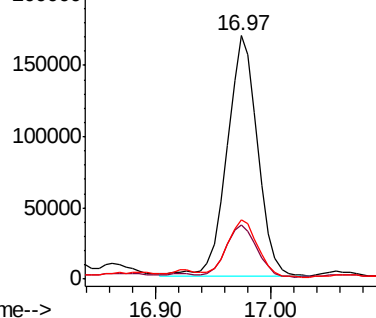


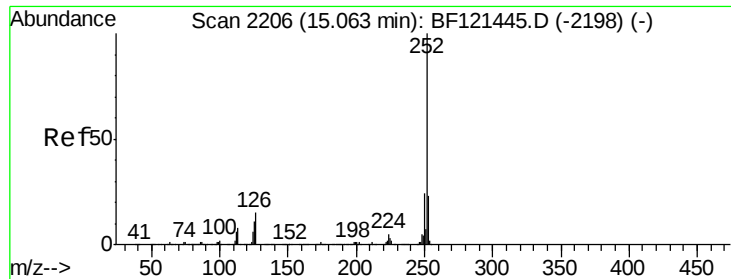
#87
Indeno(1,2,3-cd)pyrene
Concen: 7.050 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.02 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.9	20.6	31.0
277	23.9	20.5	30.7



Abundance Ion 276.00 (275.70 to 276.70): E
200000
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





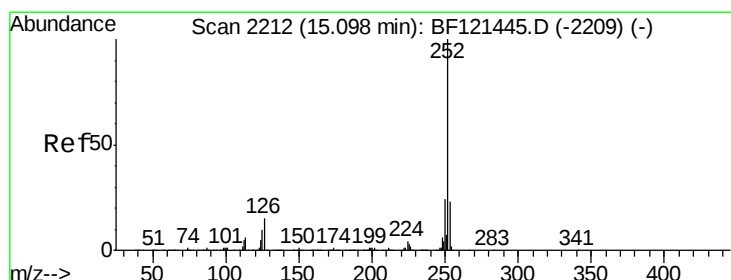
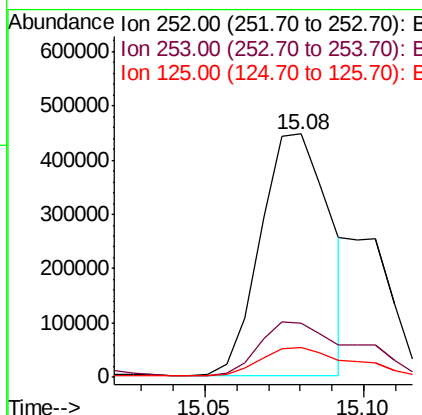
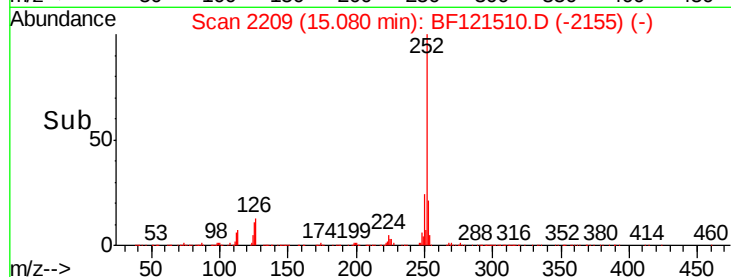
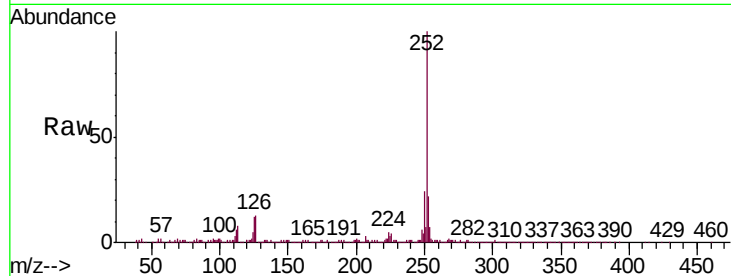
#88
Benzo(b)fluoranthene
Concen: 14.538 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.02 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.3	27.5
125	12.1	9.2	13.8

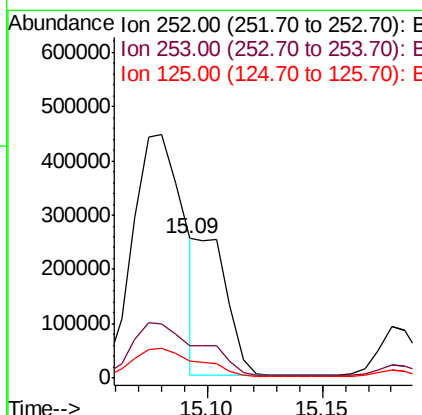
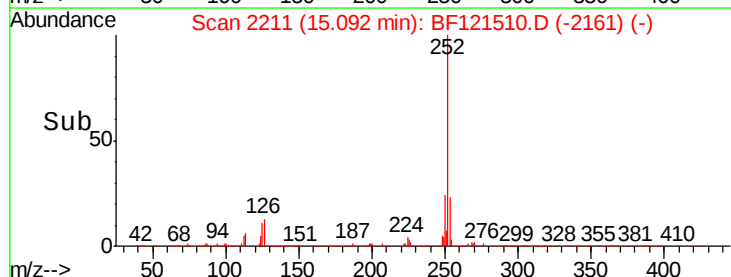
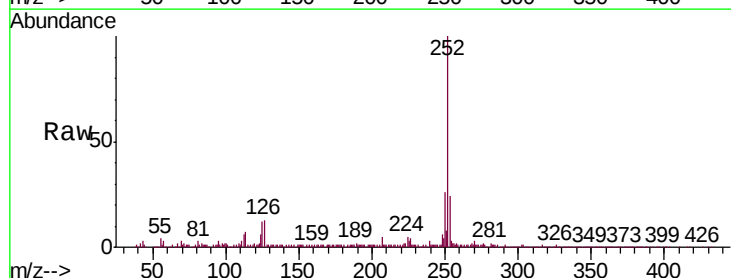
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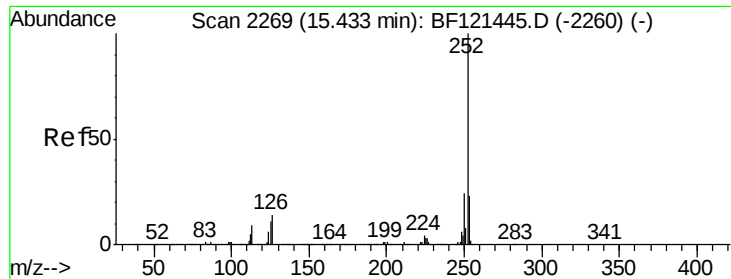
mohammad
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#89
Benzo(k)fluoranthene
Concen: 5.440 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.3	27.5
125	12.3	8.5	12.7





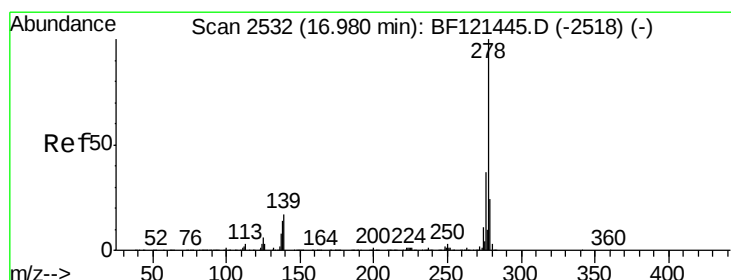
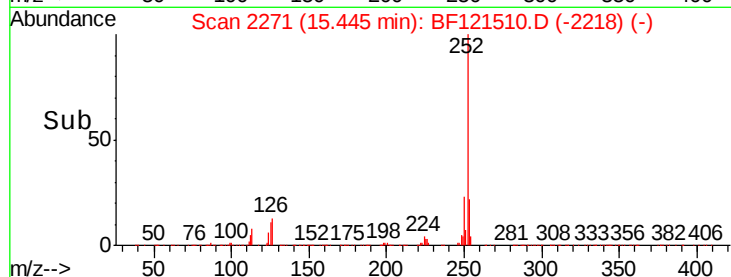
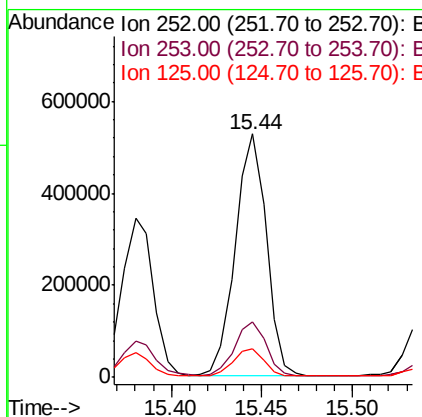
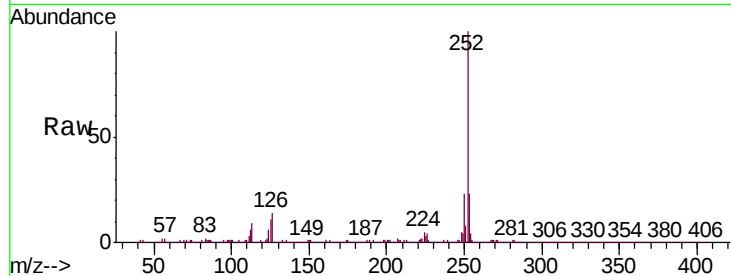
#90
Benzo(a)pyrene
Concen: 15.052 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

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

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	628796		
253	22.7	18.0	27.0	
125	11.5	9.0	13.4	

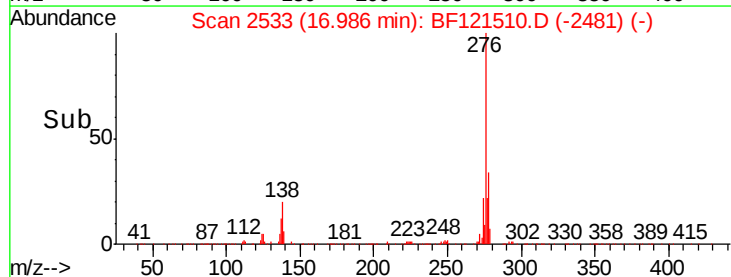
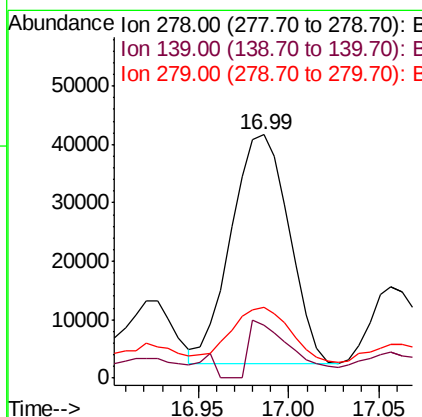
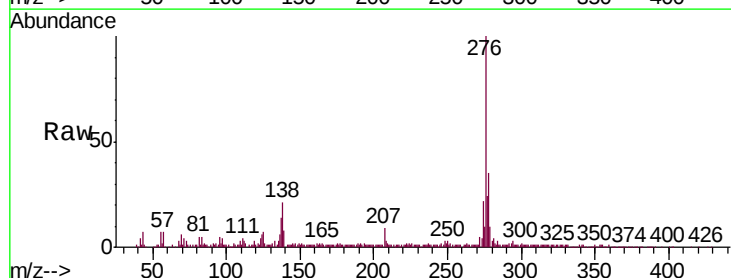
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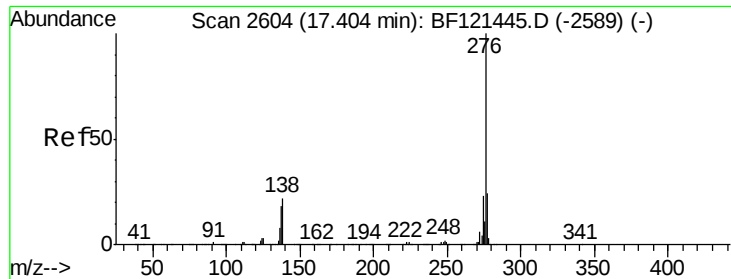
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.417 ng m
RT: 16.99 min Scan# 2533
Delta R.T. 0.01 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	86932		
139	21.9	13.3	19.9#	
279	29.1	19.4	29.0#	





#92
 Benzo(g,h,i)perylene
 Concen: 8.858 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. 0.02 min
 Lab File: BF121510.D
 Acq: 1 Sep 2020 22:15

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

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		306939		
277	24.9	18.9	28.3		
138	21.9	17.4	26.0		

Manual Integrations
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