

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
 Data File : BF121498.D
 Acq On : 1 Sep 2020 16:01
 Operator : JU/CG
 Sample : L3848-15
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-BH-04-C

Manual Integrations
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Quant Time: Sep 01 17:30:41 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	6.85	152	266702	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	998664	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	533259	20.00	ng	-0.01
64) Phenanthrene-d10	11.39	188	1019755	20.00	ng	0.00
76) Chrysene-d12	14.03	240	641695	20.00	ng	0.00
86) Perylene-d12	15.51	264	702778	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1215473	76.46	ng	0.00
7) Phenol-d6	6.47	99	1590693	71.61	ng	-0.02
23) Nitrobenzene-d5	7.42	82	1009642	69.12	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	484786	90.01	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1860374	56.29	ng	-0.01
79) Terphenyl-d14	12.97	244	1866013	61.21	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.16	128	171159	3.452	ng	96
49) Acenaphthylene	9.76	152	447774	9.026	ng	97
50) Dimethylphthalate	9.61	163	365051	9.966	ng	98
58) Fluorene	10.44	166	91381	2.664	ng	99
71) Phenanthrene	11.41	178	1589628	30.376	ng	99
72) Anthracene	11.46	178	654610	12.718	ng	97
75) Fluoranthene	12.61	202	4571559	81.056	ng	98
78) Pyrene	12.84	202	4454783	97.205	ng	97
81) Benzo(a)anthracene	14.03	228	2797298	71.410	ng	93
83) Chrysene	14.06	228	2327054	59.378	ng	97
87) Indeno(1,2,3-cd)pyrene	16.99	276	1303115	30.136	ng	97
88) Benzo(b)fluoranthene	15.09	252	2807974m	61.423	ng	
89) Benzo(k)fluoranthene	15.11	252	1109356m	26.089	ng	
90) Benzo(a)pyrene	15.45	252	2244207	54.594	ng	97
91) Dibenzo(a,h)anthracene	16.99	278	392067	11.077	ng	95
92) Benzo(g,h,i)perylene	17.43	276	1104537	32.394	ng	97

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

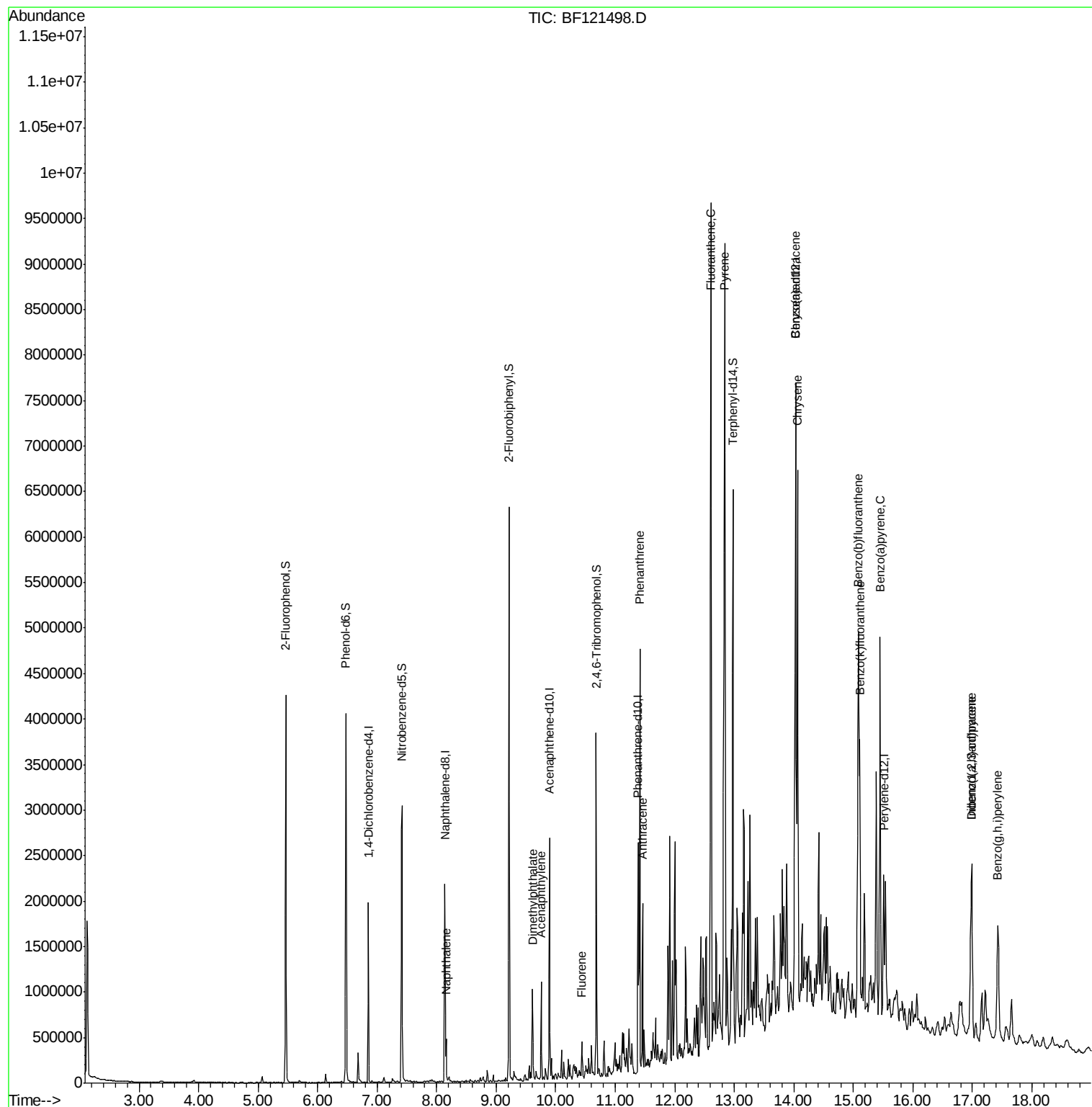
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Data File : BF121498.D
Acq On : 1 Sep 2020 16:01
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Sample : L3848-15
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ALS Vial : 5 Sample Multiplier: 1

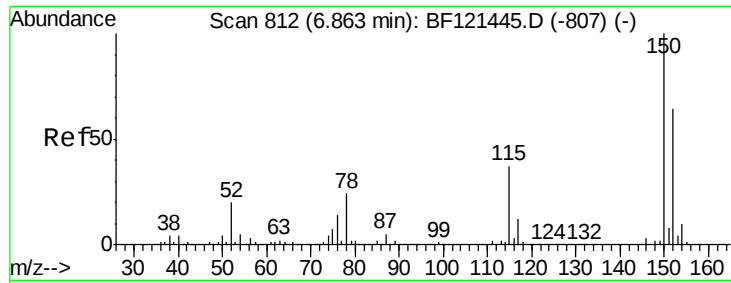
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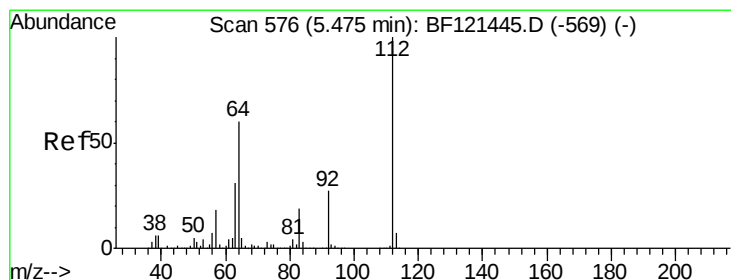
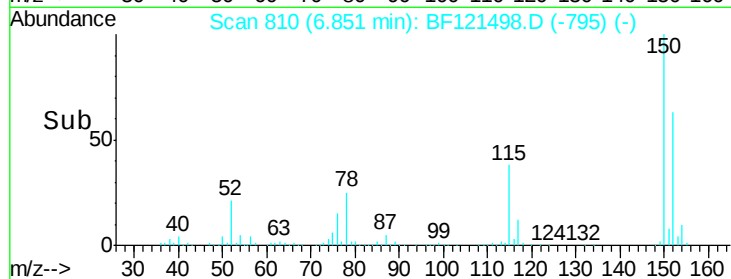
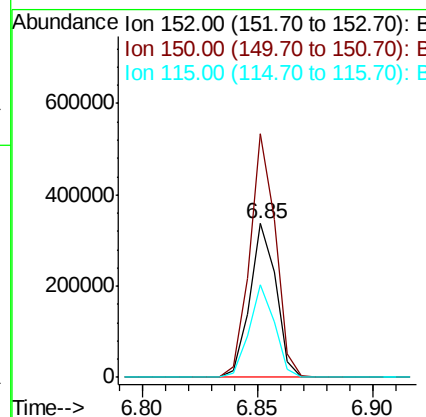
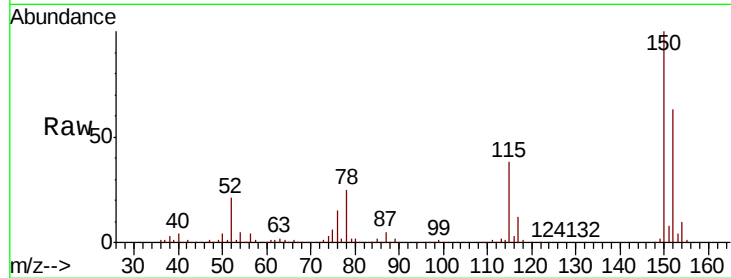
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF121498.D
 Acq: 1 Sep 2020 16:01

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-BH-04-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	125.8	188.6
115	60.3	46.6	69.8

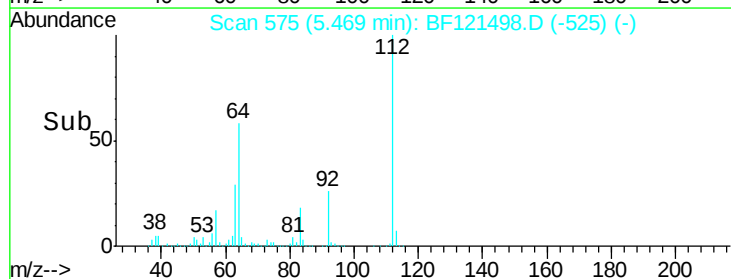
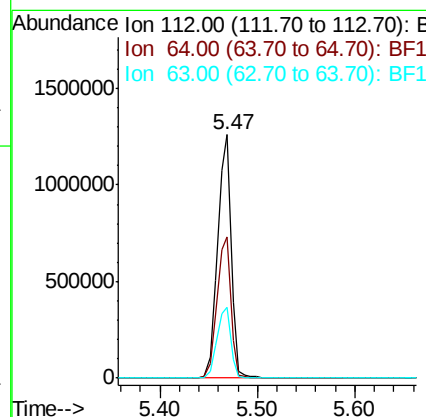
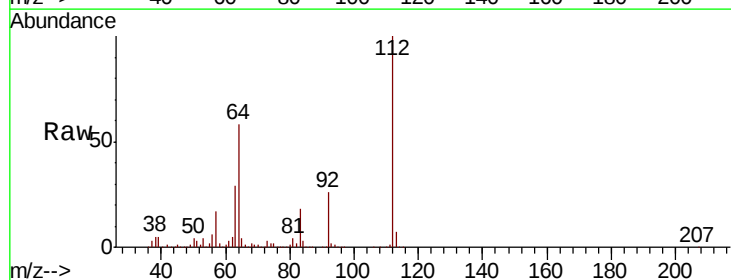
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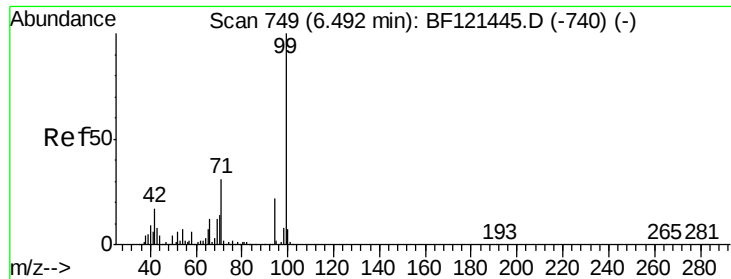
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#5
 2-Fluorophenol
 Concen: 76.462 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF121498.D
 Acq: 1 Sep 2020 16:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	48.2	72.2
63	29.3	24.8	37.2





#7

Phenol-d6

Concen: 71.605 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF121498.D

Acq: 1 Sep 2020 16:01

Instrument :

BNA_F

ClientSampleId :

LINDEN-BH-04-C

Tot Ion: 99 Resp: 1590693

Ion Ratio Lower Upper

99 100

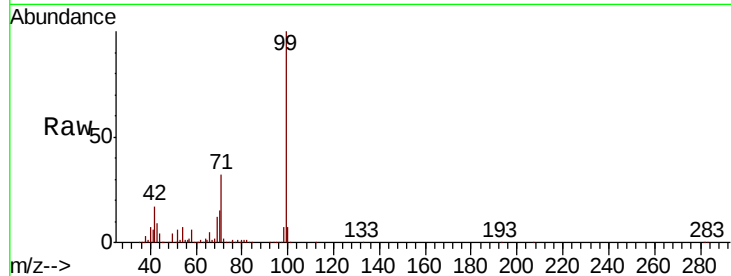
42 17.1 13.5 20.3

71 31.7 24.6 37.0

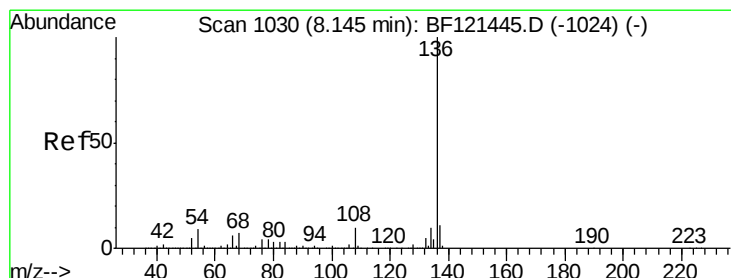
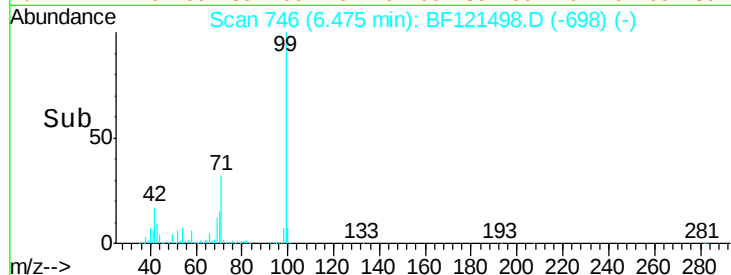
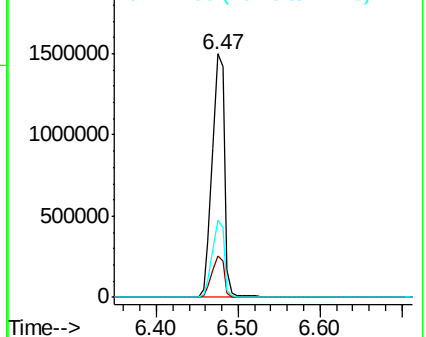
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF121498.D

Acq: 1 Sep 2020 16:01

Tgt Ion: 136 Resp: 998664

Ion Ratio Lower Upper

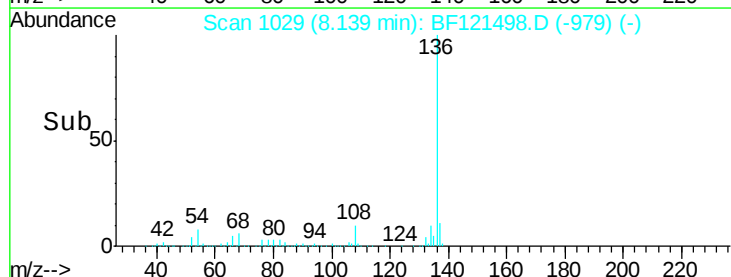
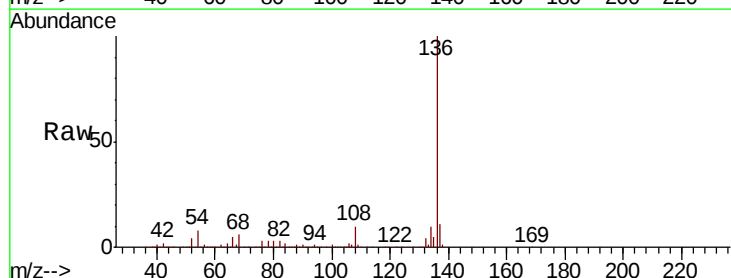
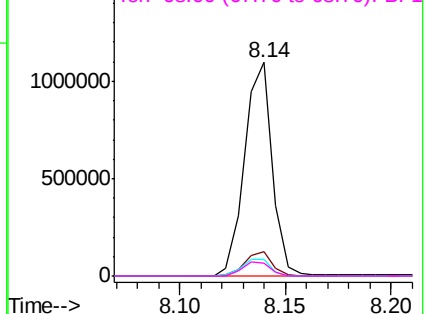
136 100

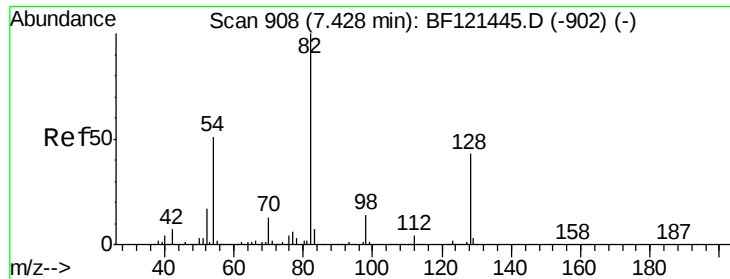
137 11.1 9.1 13.7

54 7.6 7.0 10.4

68 6.2 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





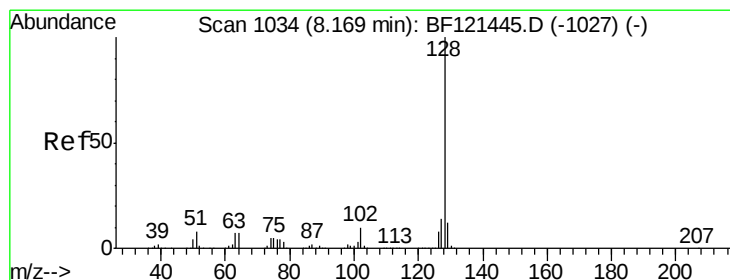
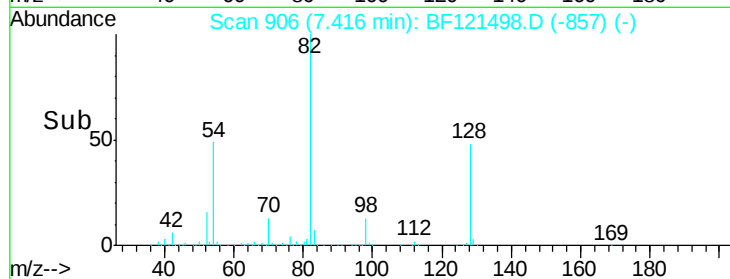
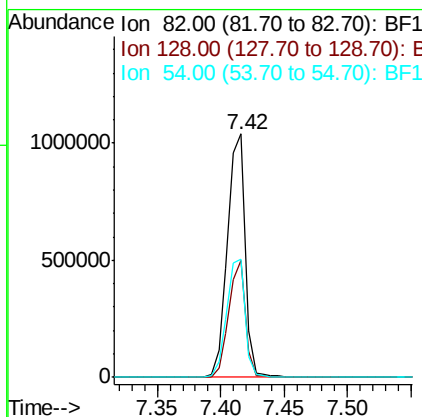
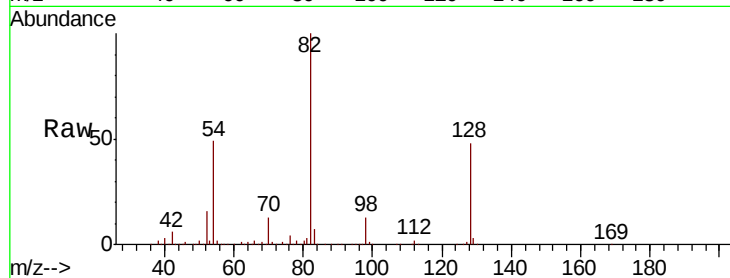
#23
 Nitrobenzene-d5
 Concen: 69.117 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF121498.D
 Acq: 1 Sep 2020 16:01

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-BH-04-C

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.8	34.1	51.1
54	48.8	41.0	61.6

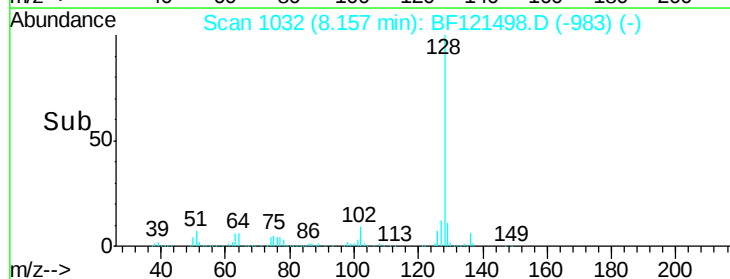
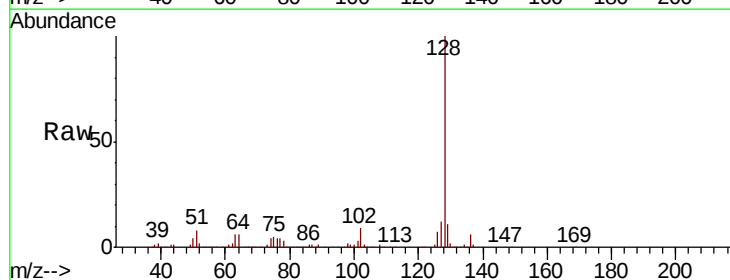
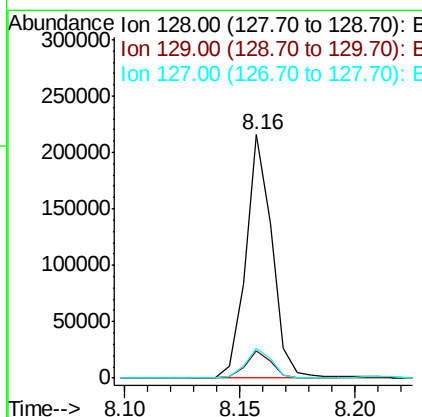
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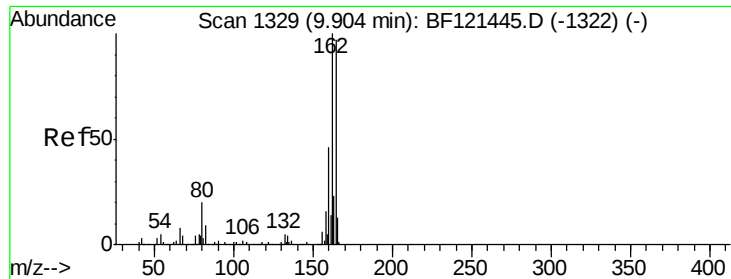
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#31
 Naphthalene
 Concen: 3.452 ng
 RT: 8.16 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: BF121498.D
 Acq: 1 Sep 2020 16:01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.6	14.4
127	12.1	11.4	17.2





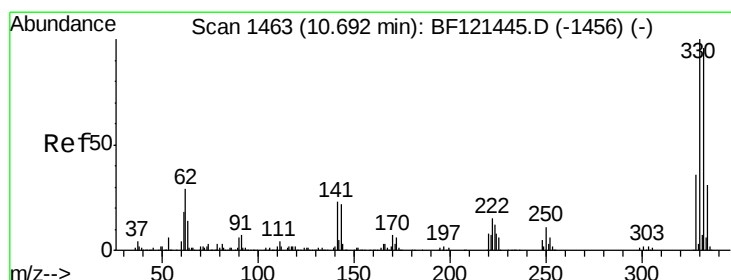
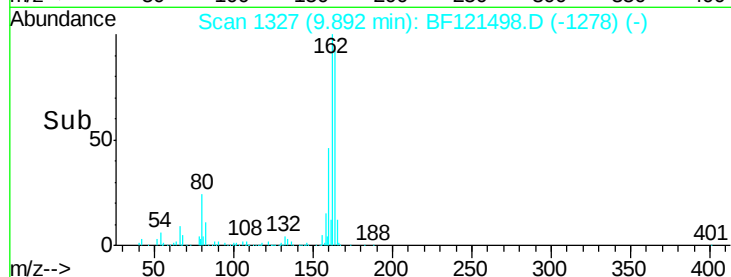
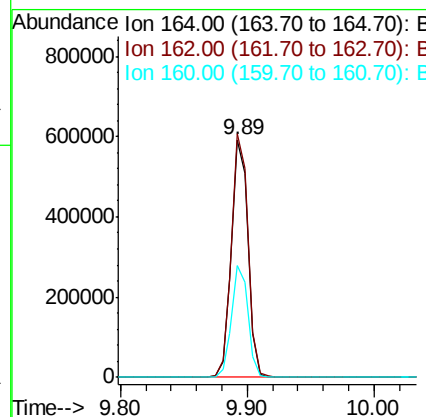
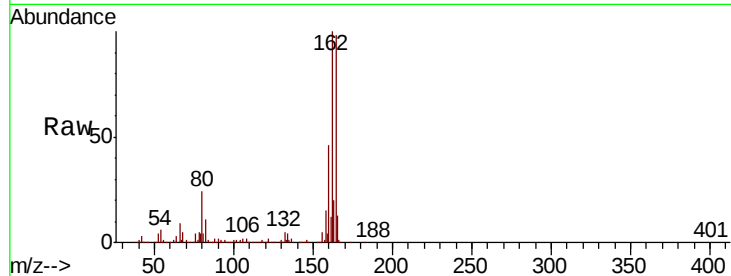
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF121498.D
Acq: 1 Sep 2020 16:01

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-04-C

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.5	82.4	123.6	
160	46.8	37.6	56.4	

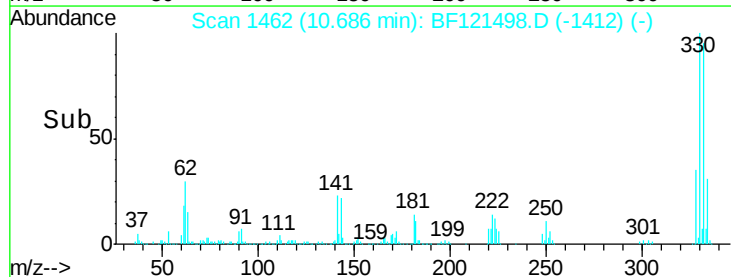
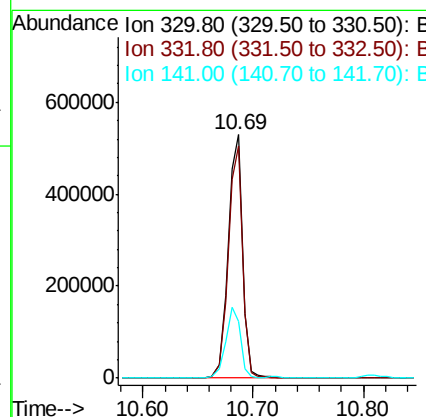
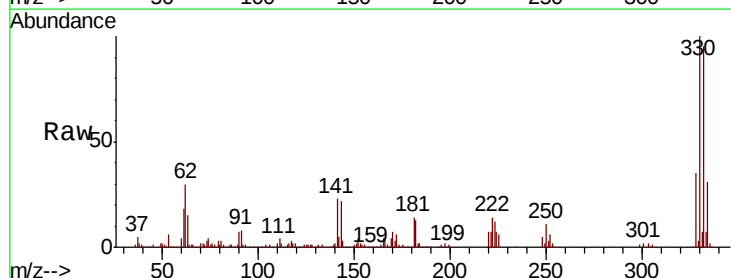
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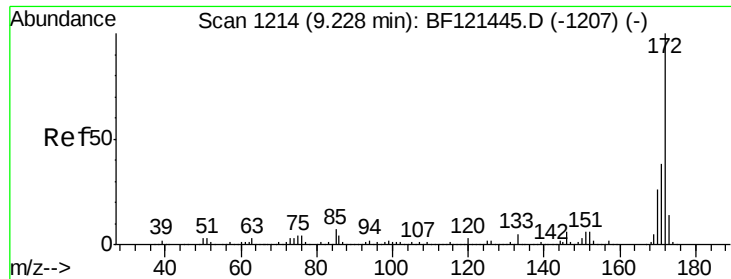
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#42
2,4,6-Tribromophenol
Concen: 90.005 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF121498.D
Acq: 1 Sep 2020 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.2	76.2	114.2	
141	29.2	24.6	36.8	





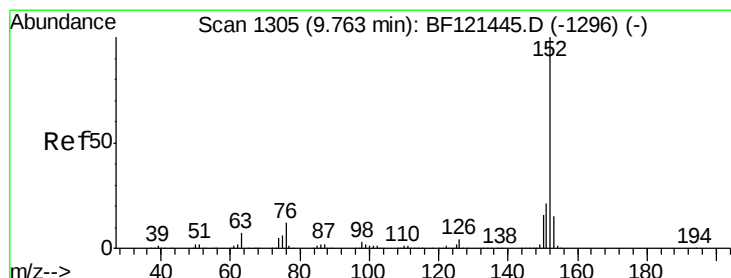
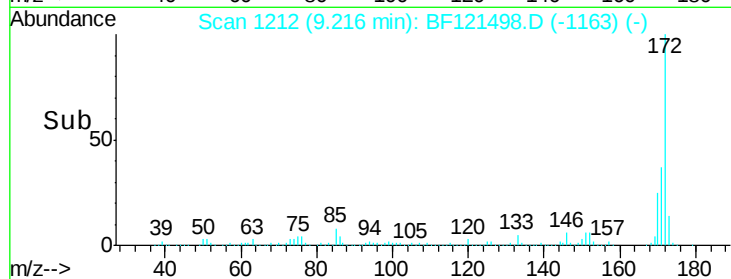
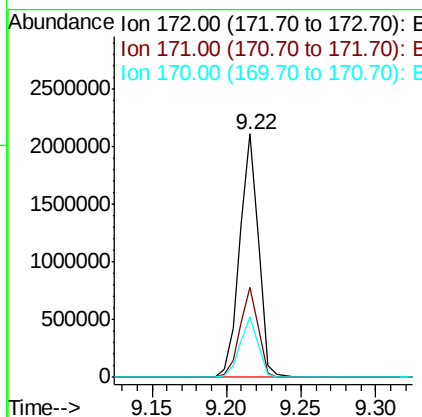
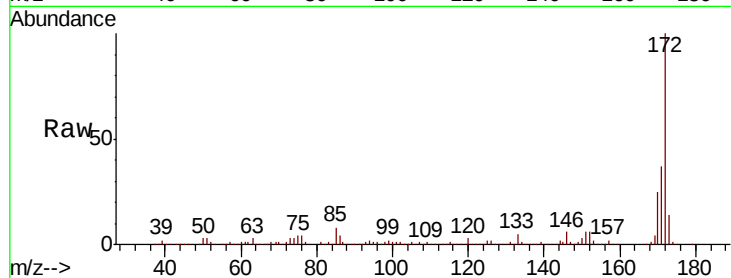
#45
2-Fluorobiphenyl
Concen: 56.291 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF121498.D
Acq: 1 Sep 2020 16:01

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-04-C

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.6	45.8
170	24.9	20.6	31.0

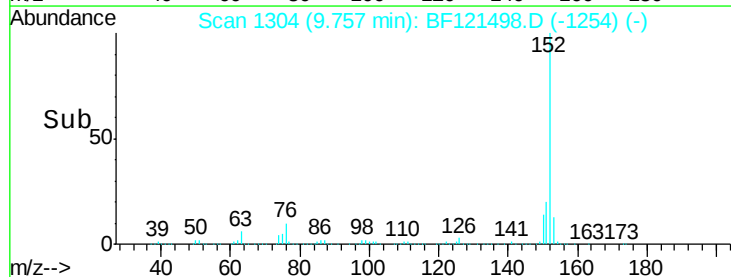
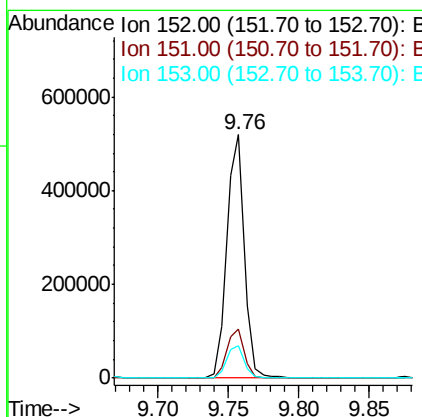
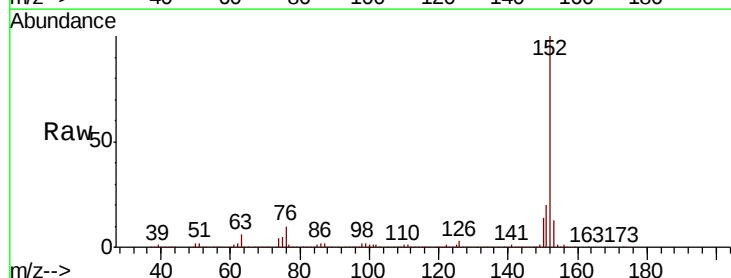
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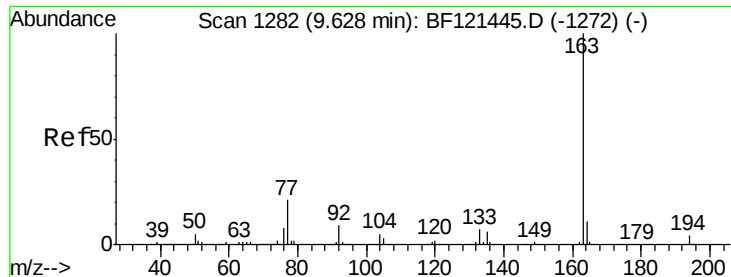
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#49
Acenaphthylene
Concen: 9.026 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF121498.D
Acq: 1 Sep 2020 16:01

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	17.2	25.8
153	13.1	11.6	17.4





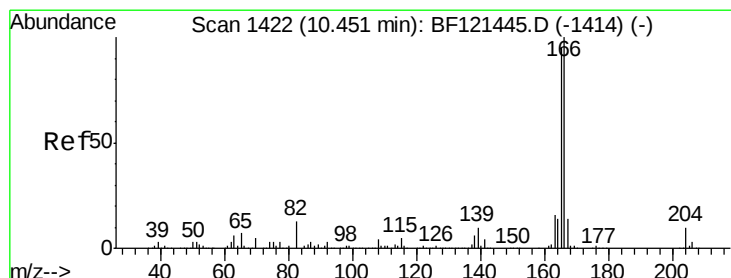
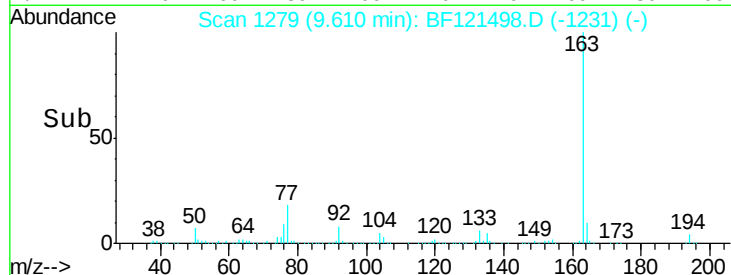
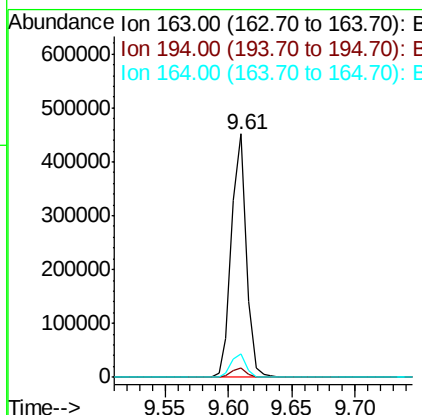
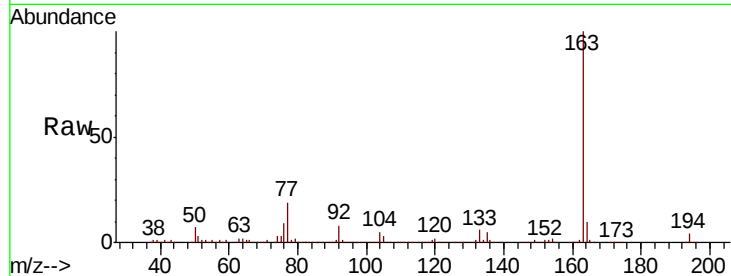
#50
Dimethylphthalate
Concen: 9.966 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF121498.D
Acq: 1 Sep 2020 16:01

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-04-C

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.9	3.3	4.9	
164	9.8	8.6	12.8	

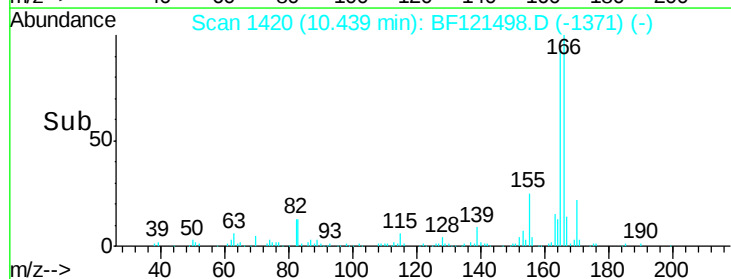
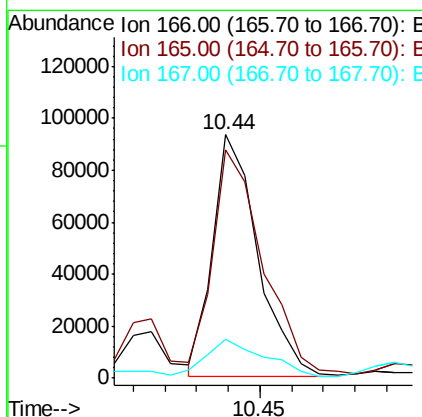
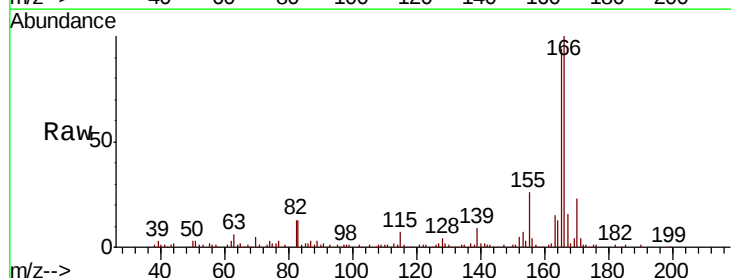
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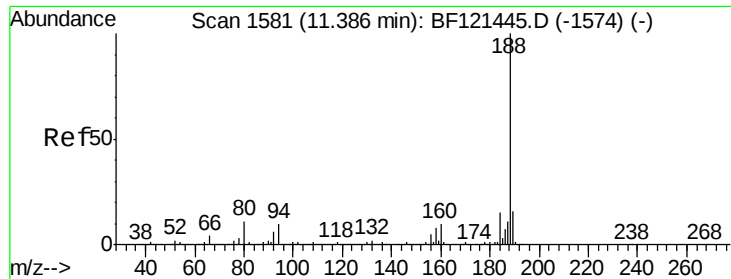
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#58
Fluorene
Concen: 2.664 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF121498.D
Acq: 1 Sep 2020 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	93.8	75.7	113.5	
167	15.8	11.1	16.7	





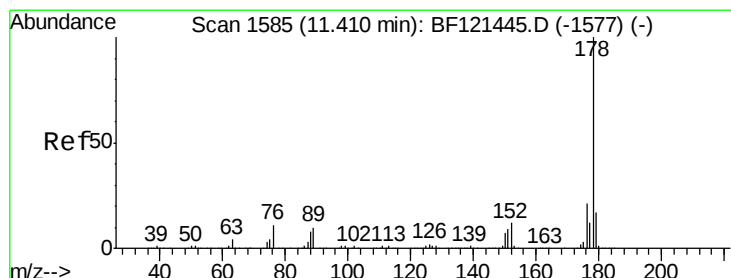
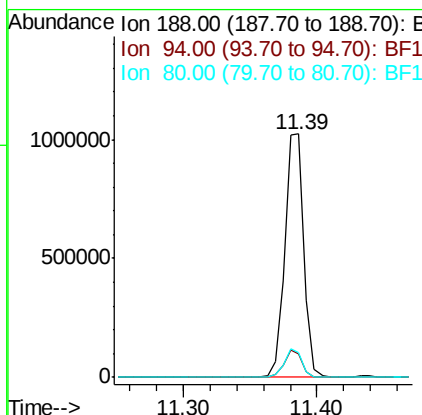
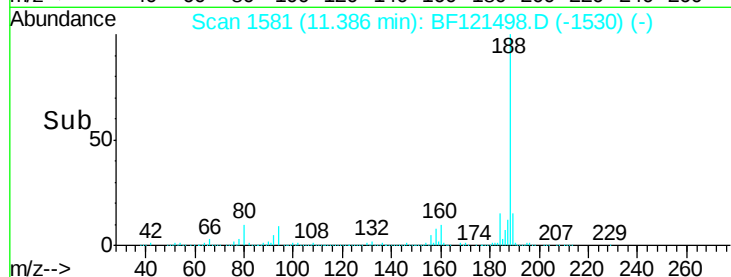
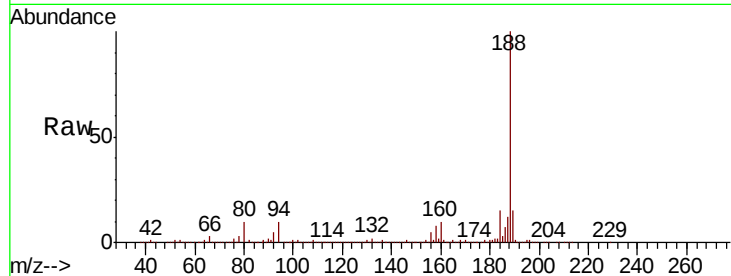
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BF121498.D
Acq: 1 Sep 2020 16:01

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-04-C

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.3	12.5
80	10.0	8.6	13.0

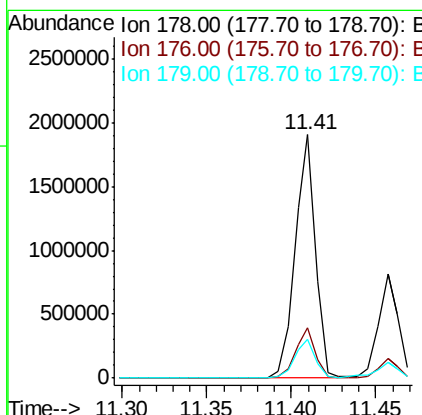
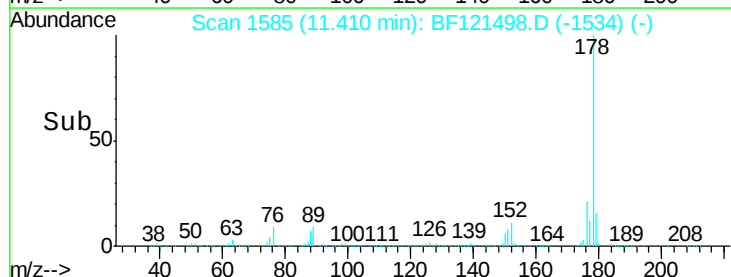
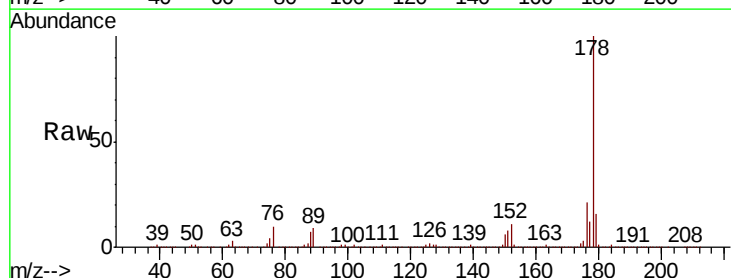
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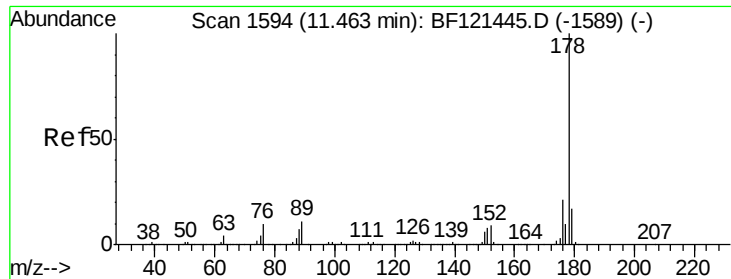
mohammad
9/2/2020 1:57:14 PM



#71
Phenanthrene
Concen: 30.376 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF121498.D
Acq: 1 Sep 2020 16:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.7	16.9	25.3
179	16.2	13.4	20.0





#72

Anthracene

Concen: 12.718 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF121498.D

Acq: 1 Sep 2020 16:01

Instrument :

BNA_F

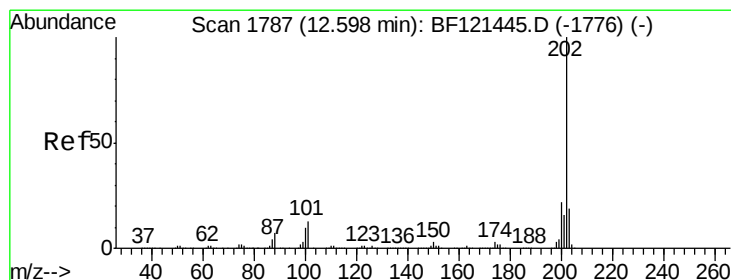
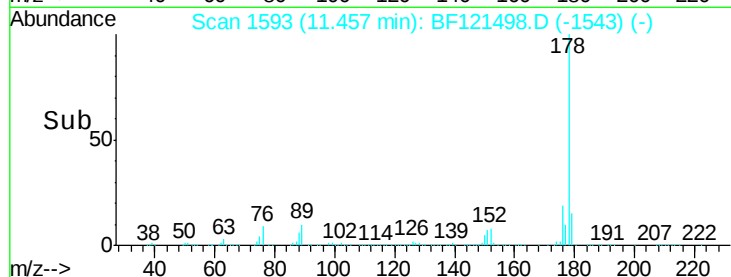
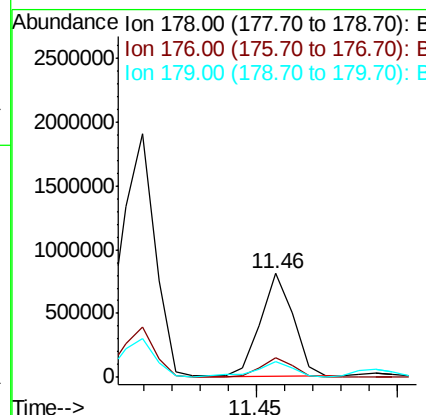
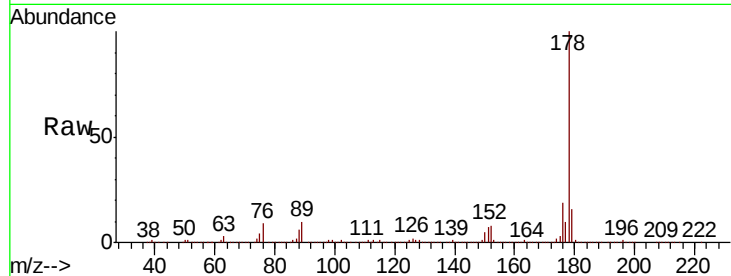
ClientSampleId :

LINDEN-BH-04-C

Tot Ion:	178	Resp:	654610
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.7	25.1
179	15.6	13.4	20.2

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#75

Fluoranthene

Concen: 81.056 ng

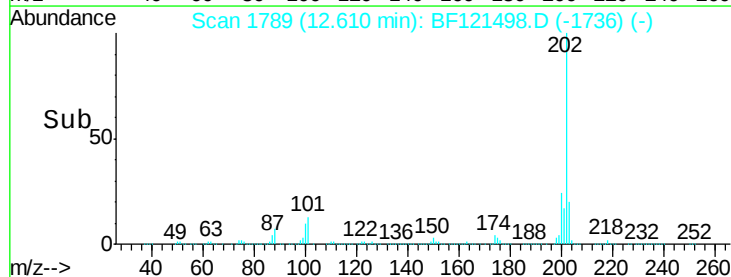
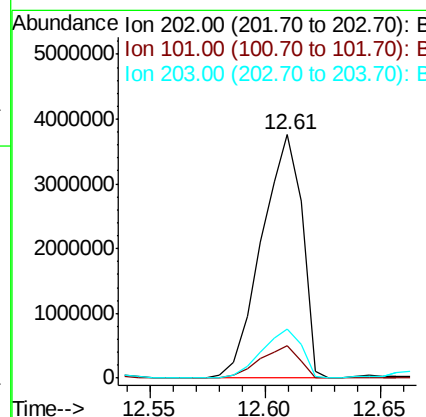
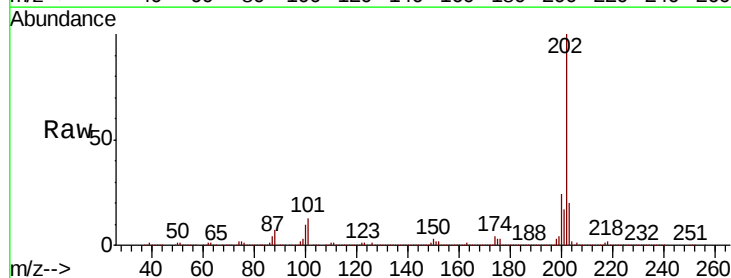
RT: 12.61 min Scan# 1789

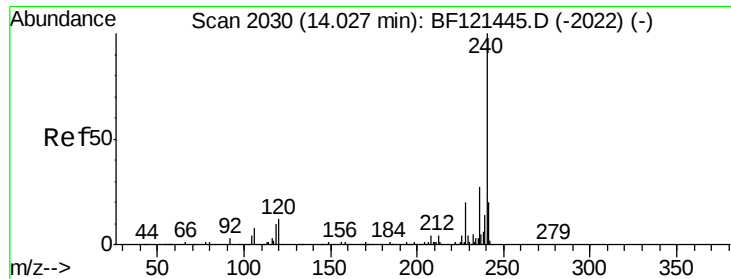
Delta R.T. 0.01 min

Lab File: BF121498.D

Acq: 1 Sep 2020 16:01

Tgt Ion:	202	Resp:	4571559
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	33.3
203	20.4	0.0	39.1





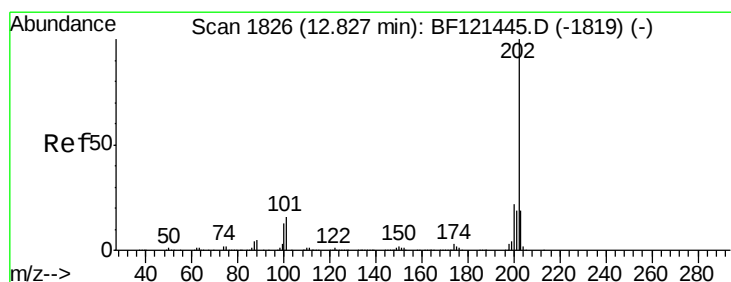
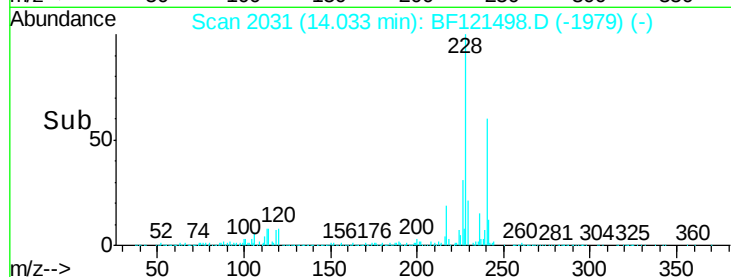
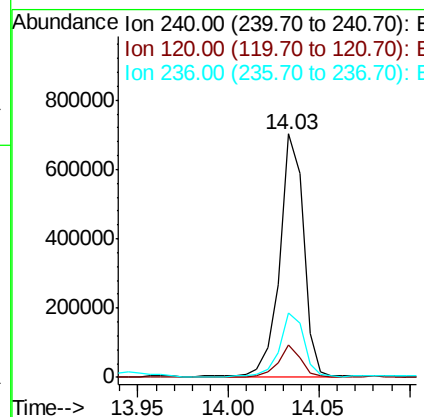
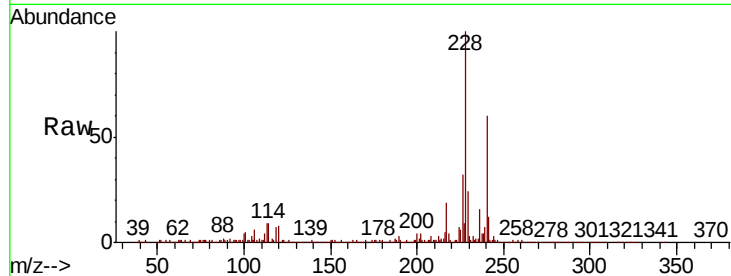
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BF121498.D
Acq: 1 Sep 2020 16:01

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-04-C

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.5	14.3
236	26.4	21.8	32.6

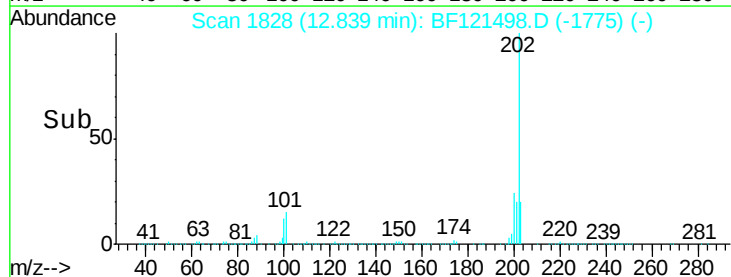
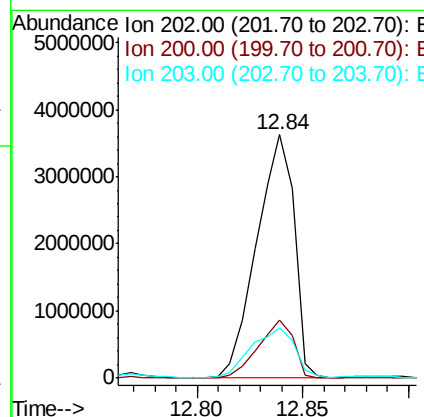
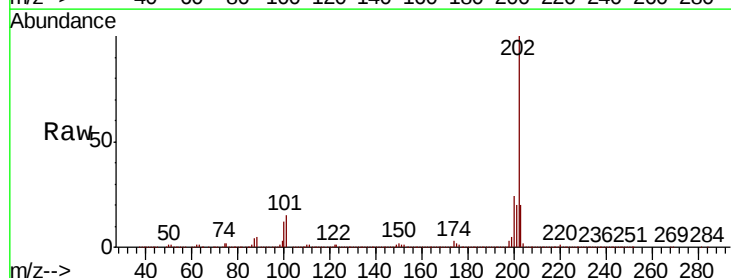
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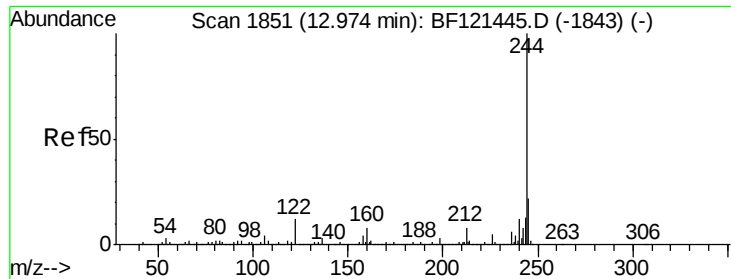
mohammad
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#78
Pyrene
Concen: 97.205 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.01 min
Lab File: BF121498.D
Acq: 1 Sep 2020 16:01

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.9	18.0	27.0
203	20.5	15.3	22.9





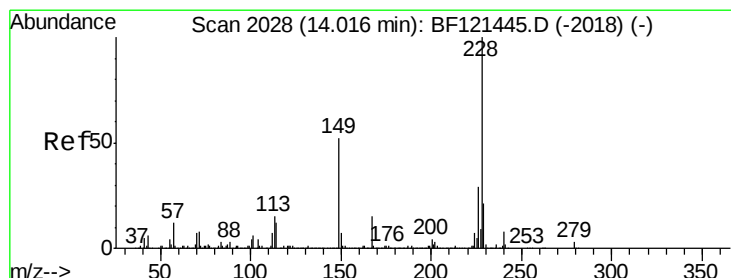
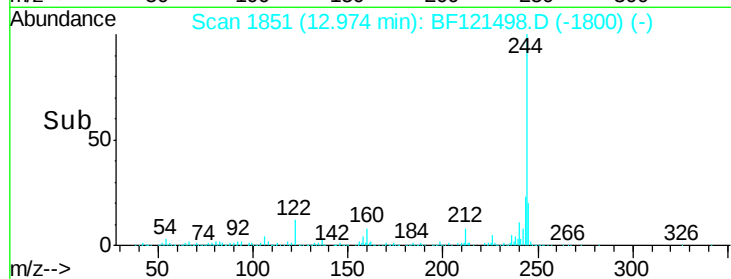
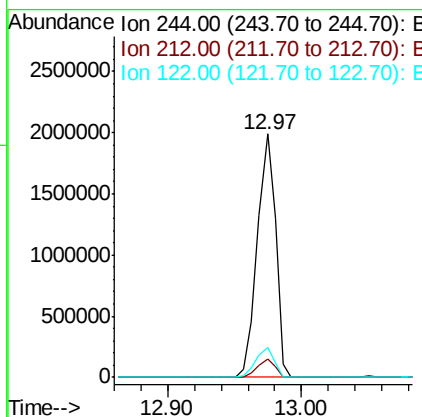
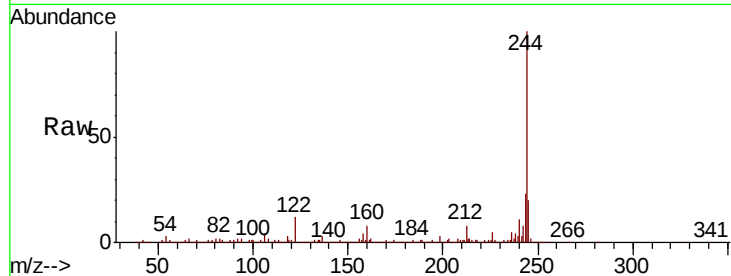
#79
 Terphenyl-d14
 Concen: 61.211 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: BF121498.D
 Acq: 1 Sep 2020 16:01

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-BH-04-C

Tot Ion:244 Resp: 1866013
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.3 9.5
 122 12.0 9.5 14.3

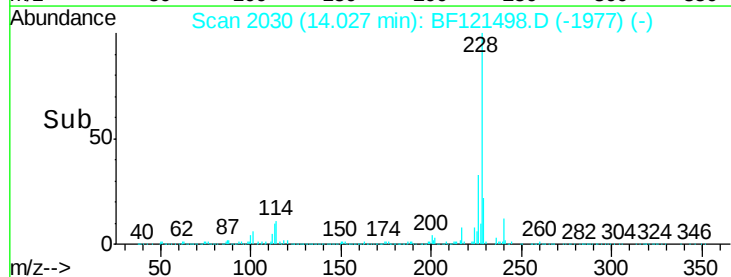
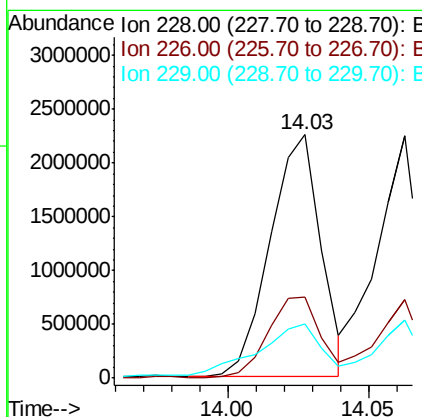
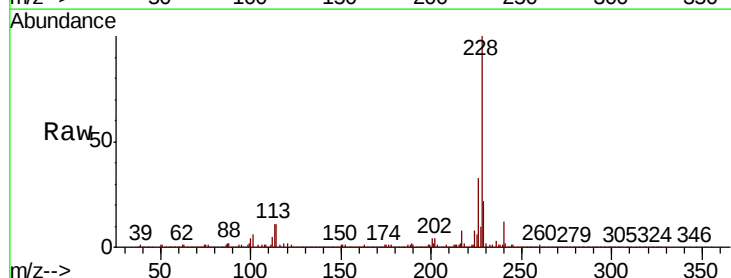
Manual Integrations
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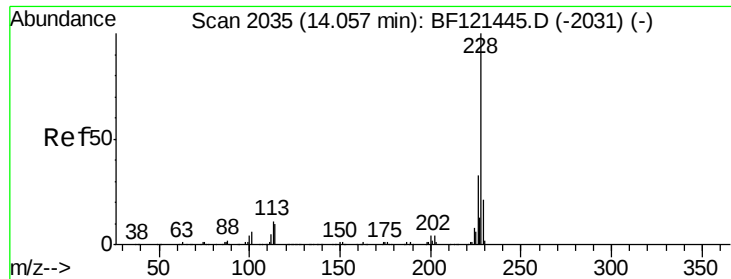
mohammad
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#81
 Benzo(a)anthracene
 Concen: 71.410 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. 0.01 min
 Lab File: BF121498.D
 Acq: 1 Sep 2020 16:01

Tgt Ion:228 Resp: 2797298
 Ion Ratio Lower Upper
 228 100
 226 33.5 23.0 34.4
 229 22.2 16.6 24.8





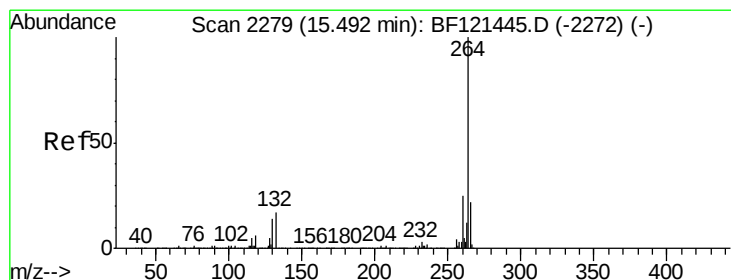
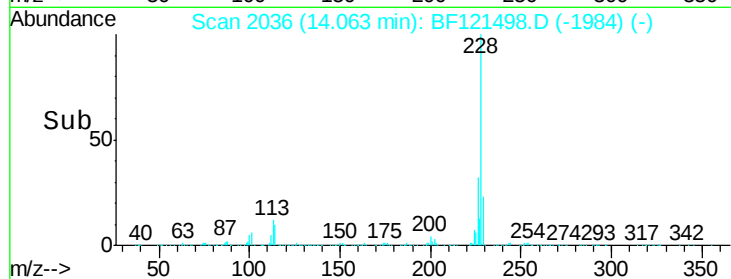
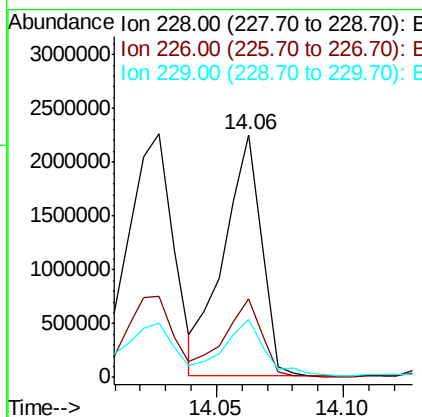
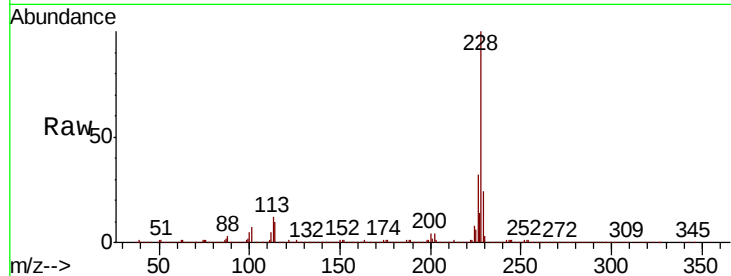
#83
Chrysene
Concen: 59.378 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.01 min
Lab File: BF121498.D
Acq: 1 Sep 2020 16:01

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-04-C

Tot Ion:228 Resp: 2327054
Ion Ratio Lower Upper
228 100
226 32.1 26.2 39.2
229 23.8 16.6 25.0

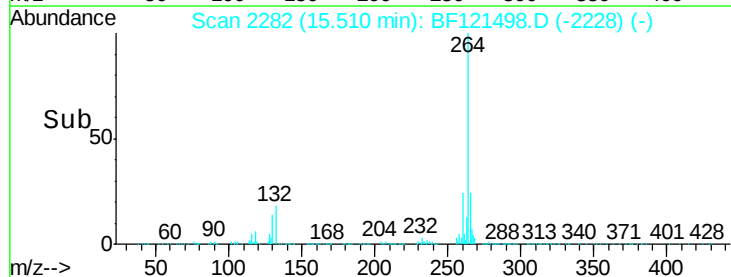
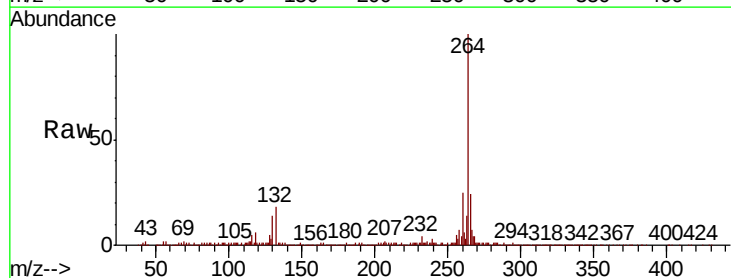
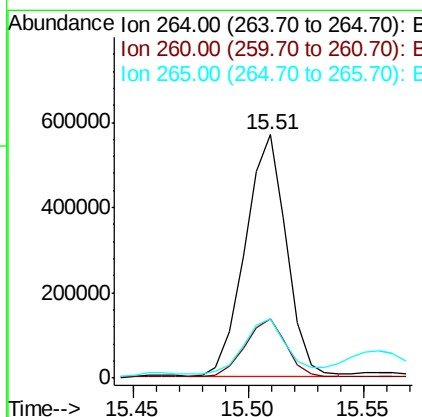
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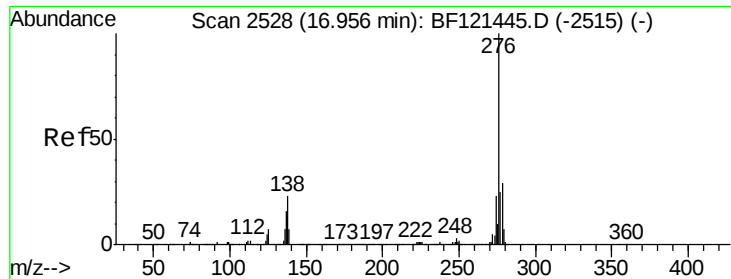
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.02 min
Lab File: BF121498.D
Acq: 1 Sep 2020 16:01

Tgt Ion:264 Resp: 702778
Ion Ratio Lower Upper
264 100
260 24.5 19.6 29.4
265 24.1 17.8 26.6





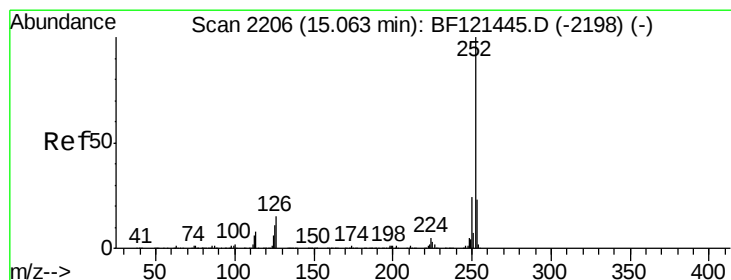
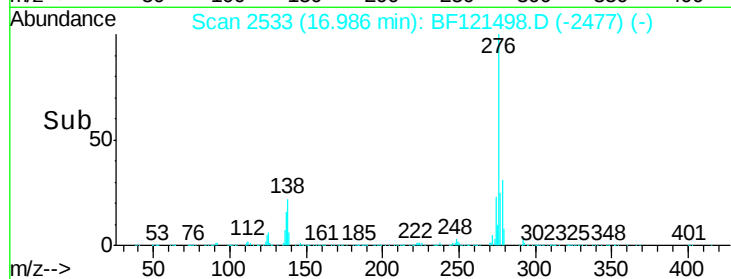
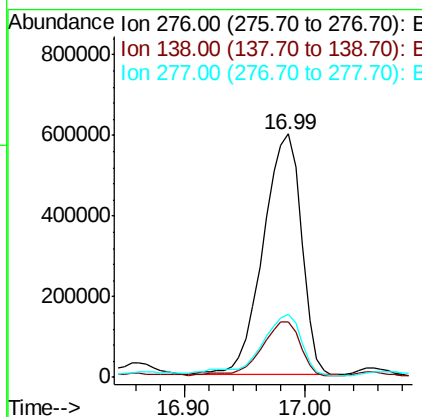
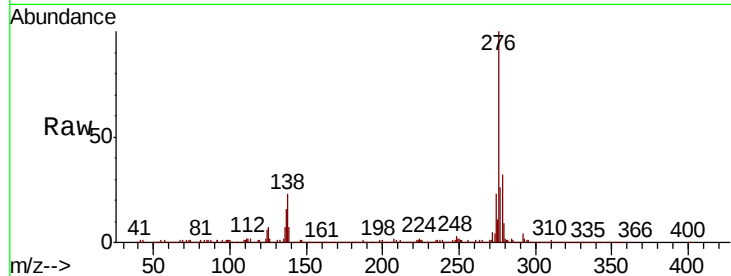
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 30.136 ng
 RT: 16.99 min Scan# 2533
 Delta R.T. 0.03 min
 Lab File: BF121498.D
 Acq: 1 Sep 2020 16:01

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-BH-04-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.2	20.6	31.0
277	25.2	20.5	30.7

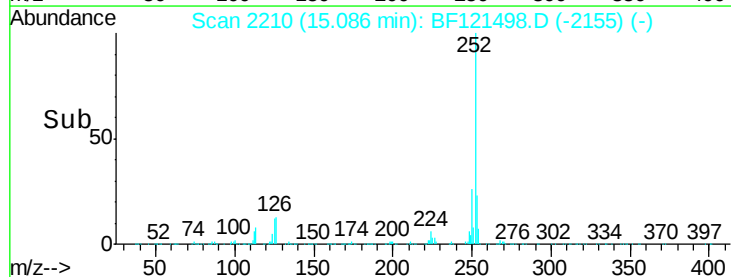
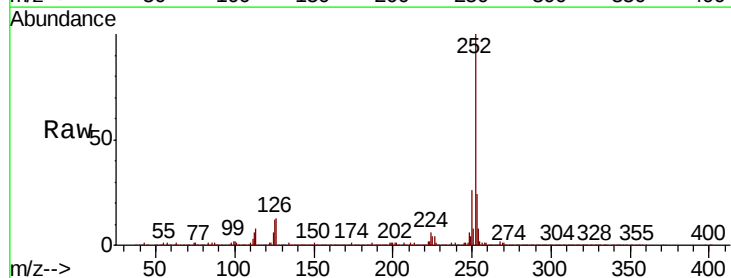
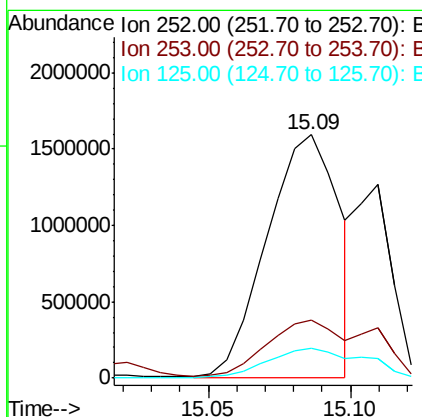
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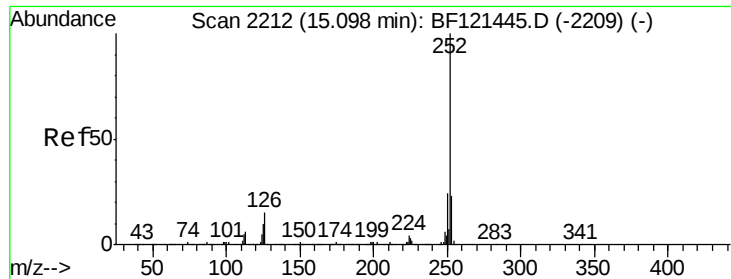
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 61.423 ng m
 RT: 15.09 min Scan# 2210
 Delta R.T. 0.02 min
 Lab File: BF121498.D
 Acq: 1 Sep 2020 16:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.3	27.5
125	12.4	9.2	13.8





#89

Benzo(k)fluoranthene

Concen: 26.089 ng m

RT: 15.11 min Scan# 2214

Delta R.T. 0.01 min

Lab File: BF121498.D

Acq: 1 Sep 2020 16:01

Instrument :

BNA_F

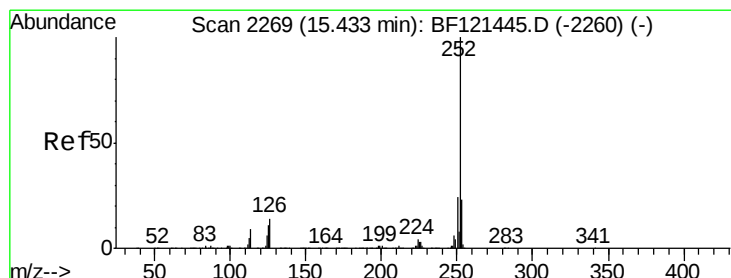
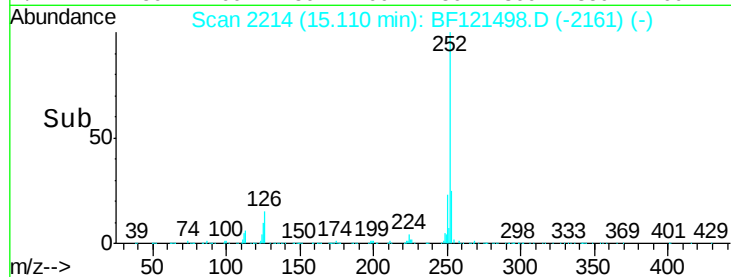
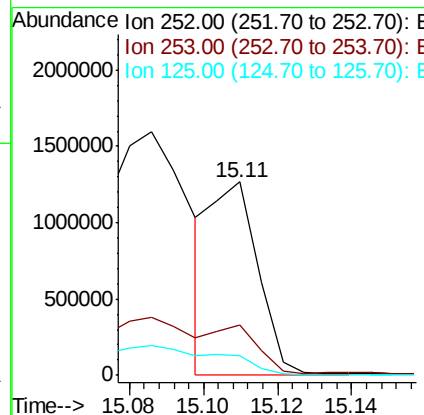
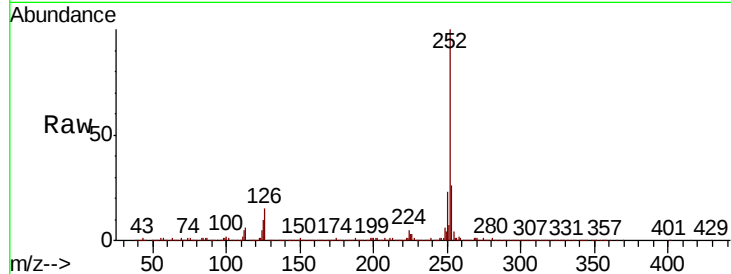
ClientSampleId :

LINDEN-BH-04-C

Tot Ion:	252	Resp:	1109356
Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.3	27.5
125	10.1	8.5	12.7

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#90

Benzo(a)pyrene

Concen: 54.594 ng

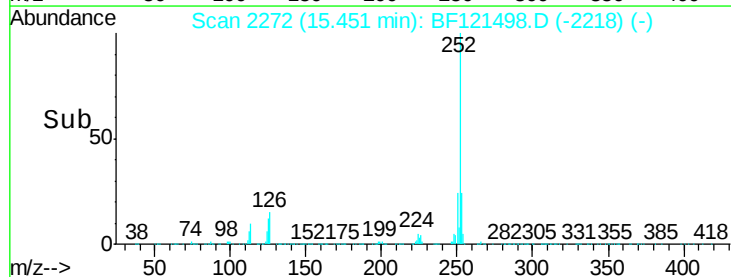
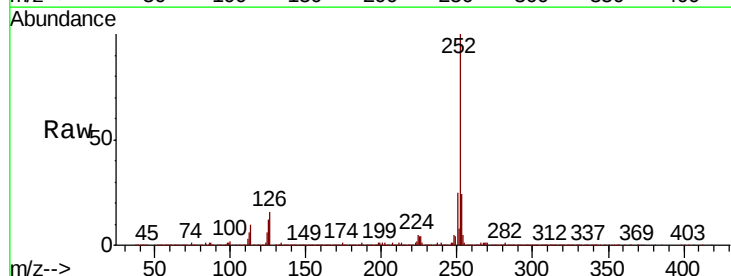
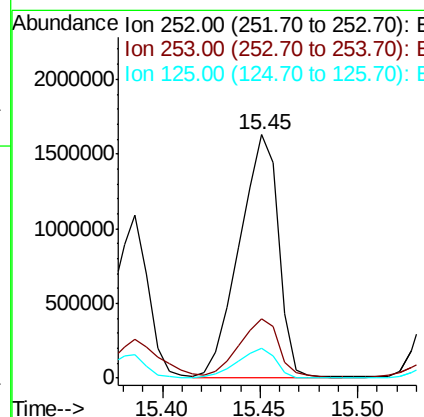
RT: 15.45 min Scan# 2272

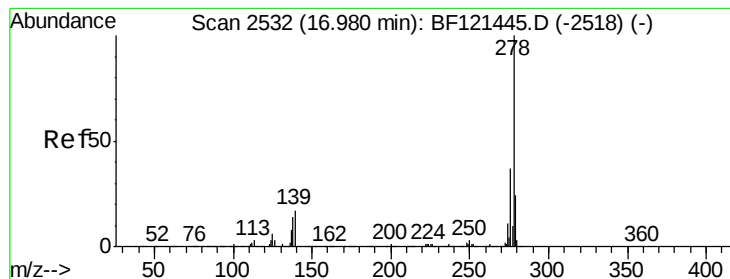
Delta R.T. 0.02 min

Lab File: BF121498.D

Acq: 1 Sep 2020 16:01

Tgt Ion:	252	Resp:	2244207
Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.0	27.0
125	12.1	9.0	13.4





#91

Dibenzo(a,h)anthracene

Concen: 11.077 ng

RT: 16.99 min Scan# 2534

Delta R.T. 0.01 min

Lab File: BF121498.D

Acq: 1 Sep 2020 16:01

Instrument :

BNA_F

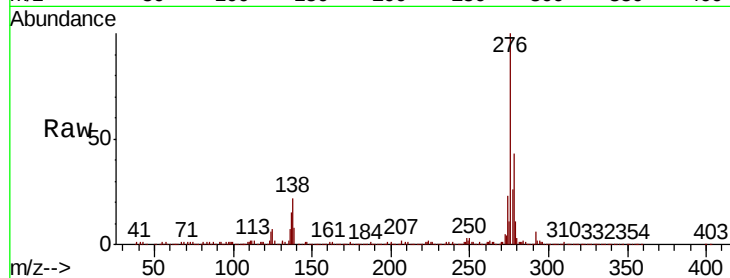
ClientSampleId :

LINDEN-BH-04-C

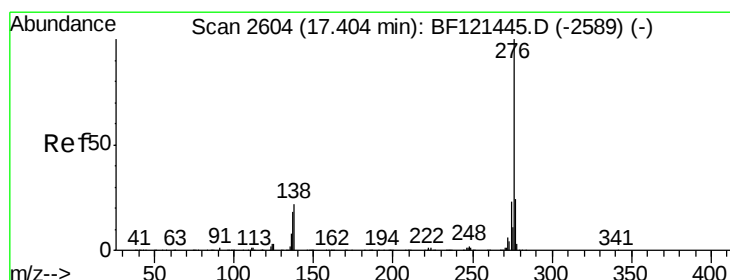
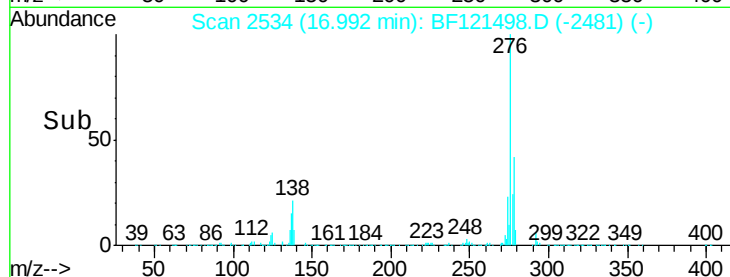
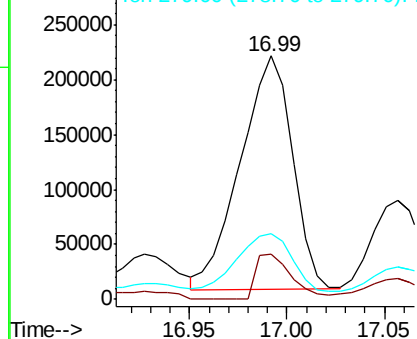
Tot Ion:	278	Resp:	392067
Ion Ratio	Lower	Upper	
278	100		
139	18.4	13.3	19.9
279	27.0	19.4	29.0

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 32.394 ng

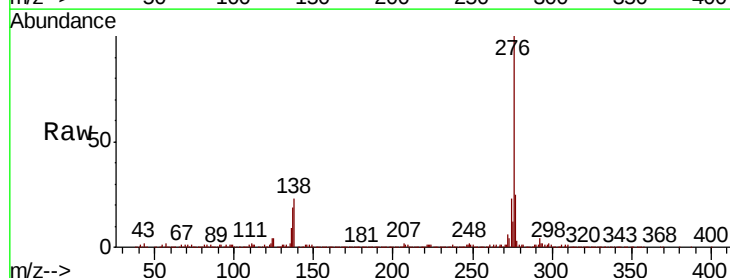
RT: 17.43 min Scan# 2608

Delta R.T. 0.02 min

Lab File: BF121498.D

Acq: 1 Sep 2020 16:01

Tgt Ion:	276	Resp:	1104537
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.9	28.3
138	22.9	17.4	26.0



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

