

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
 Data File : BF121486.D
 Acq On : 31 Aug 2020 19:32
 Operator : JU/CG
 Sample : L3847-15
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-10-B

Manual Integrations
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Quant Time: Sep 01 01:15:30 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	317069	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1139248	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	564080	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	925033	20.00	ng	0.00
76) Chrysene-d12	14.03	240	651822	20.00	ng	0.00
86) Perylene-d12	15.50	264	682208	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	917077	48.53	ng	0.00
7) Phenol-d6	6.48	99	1198108	45.37	ng	-0.01
23) Nitrobenzene-d5	7.42	82	754960	45.30	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	291174	51.11	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1446121	41.37	ng	0.00
79) Terphenyl-d14	12.97	244	1152233	37.21	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.16	128	119809	2.118	ng	97
50) Dimethylphthalate	9.61	163	78175	2.018	ng	99
52) Acenaphthene	9.93	154	115756	3.493	ng	97
55) Dibenzofuran	10.10	168	155450	3.229	ng	98
58) Fluorene	10.45	166	204541	5.637	ng	99
71) Phenanthrene	11.41	178	1945673	40.987	ng	99
72) Anthracene	11.46	178	576311	12.343	ng	95
73) Carbazole	11.61	167	212954	4.730	ng	97
75) Fluoranthene	12.60	202	2187433	42.756	ng	99
78) Pyrene	12.83	202	1986412	42.671	ng	98
81) Benzo(a)anthracene	14.02	228	1018002	25.584	ng	98
83) Chrysene	14.05	228	849165	21.331	ng	96
87) Indeno(1,2,3-cd)pyrene	16.96	276	459299	10.942	ng	94
88) Benzo(b)fluoranthene	15.07	252	1151799m	25.955	ng	
89) Benzo(k)fluoranthene	15.09	252	384896m	9.325	ng	
90) Benzo(a)pyrene	15.44	252	864427	21.662	ng	99
91) Dibenzo(a,h)anthracene	16.97	278	114461	3.331	ng	93
92) Benzo(g,h,i)perylene	17.40	276	412253	12.455	ng	98

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

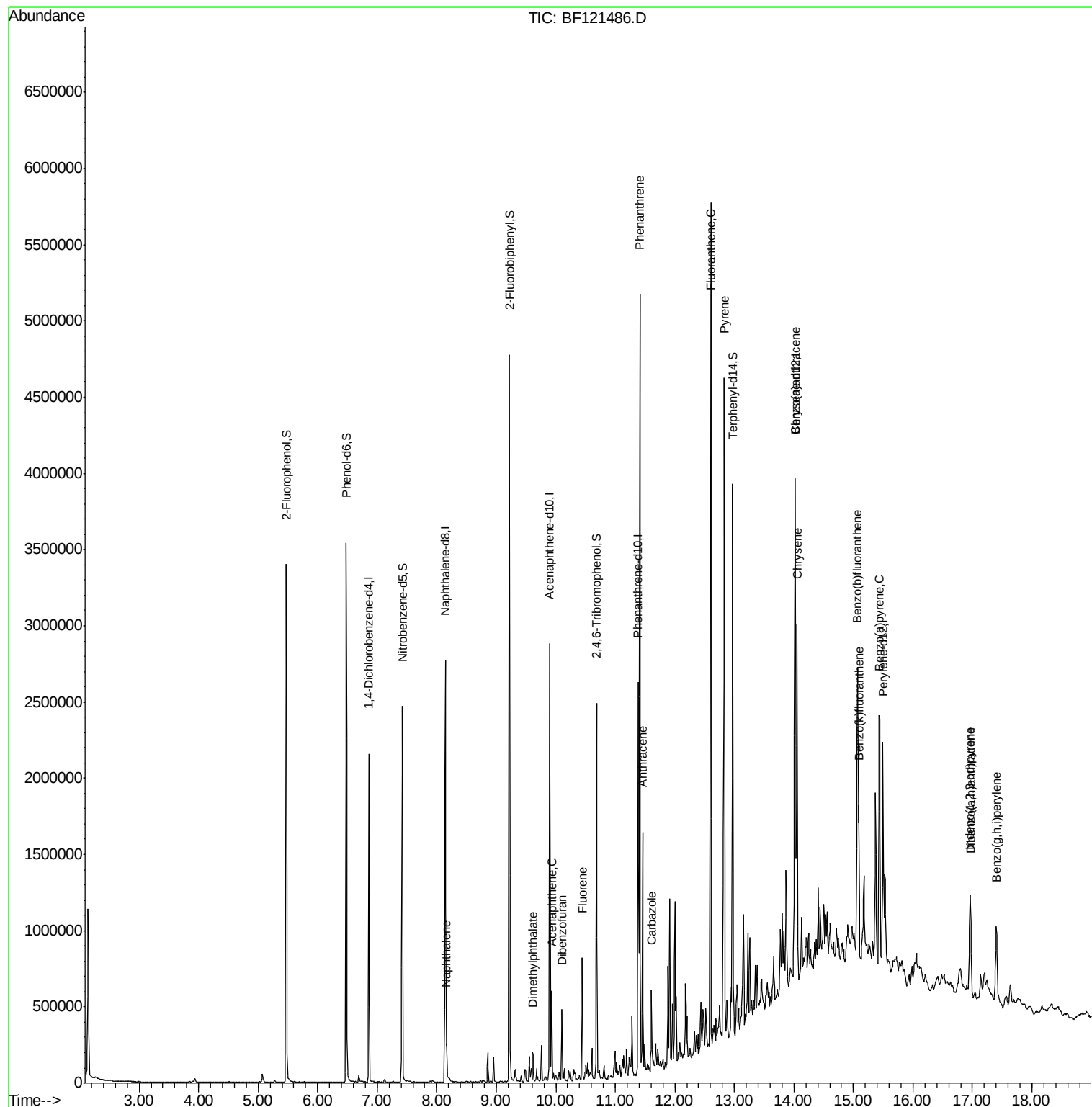
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
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ALS Vial : 15 Sample Multiplier: 1

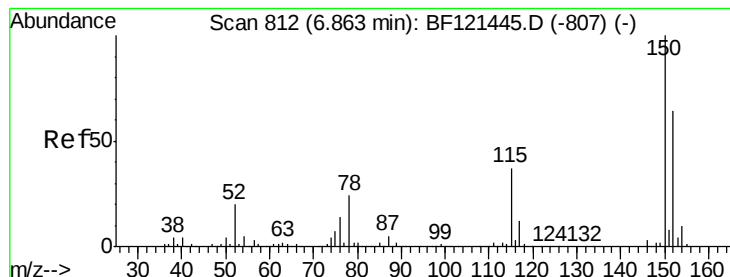
Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-10-B

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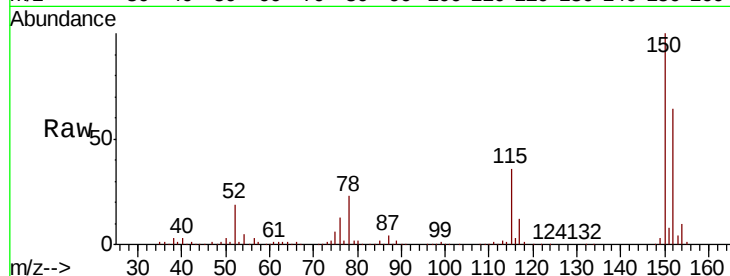
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BF121486.D
 Acq: 31 Aug 2020 19:32

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-10-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	125.8	188.6
115	56.4	46.6	69.8

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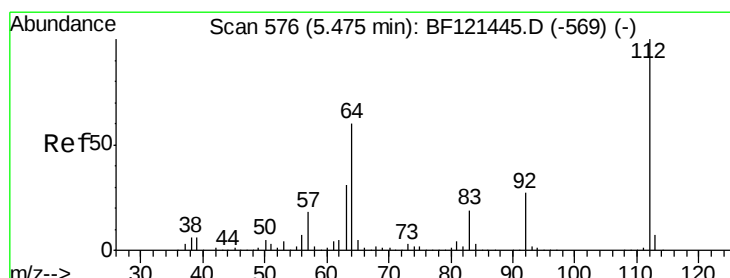
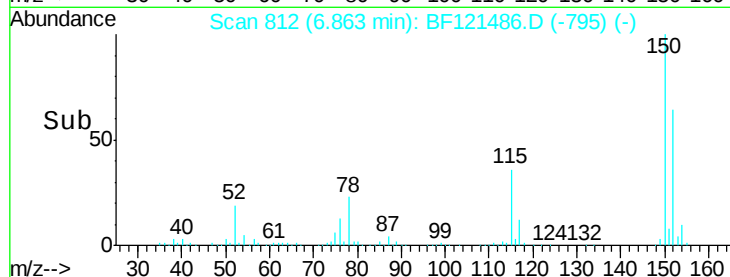
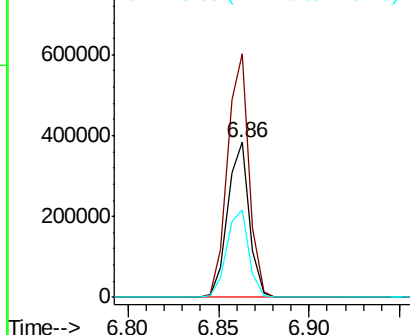


Abundance

Ion 152.00 (151.70 to 152.70): E

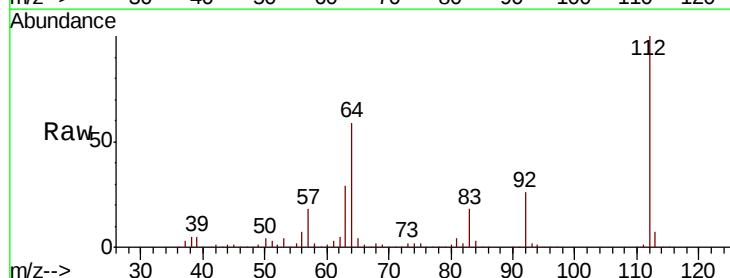
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 48.526 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: BF121486.D
 Acq: 31 Aug 2020 19:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	48.2	72.2
63	28.9	24.8	37.2

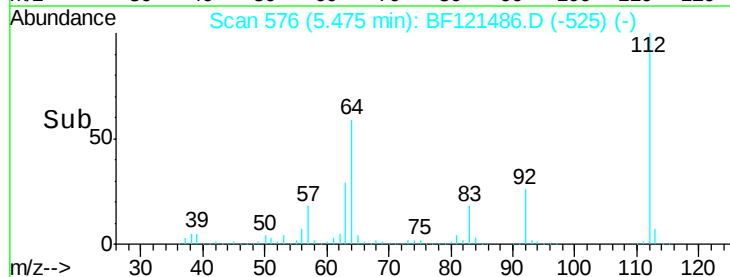
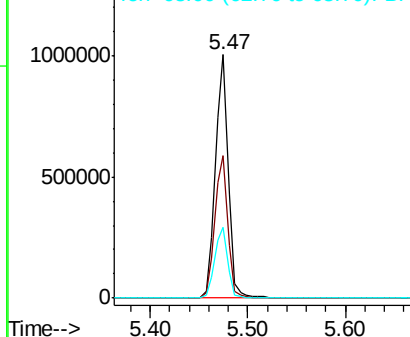


Abundance

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: 45.365 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF121486.D

Acq: 31 Aug 2020 19:32

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-10-B

Tot Ion: 99 Resp: 1198108

Ion Ratio Lower Upper

99 100

42 17.3 13.5 20.3

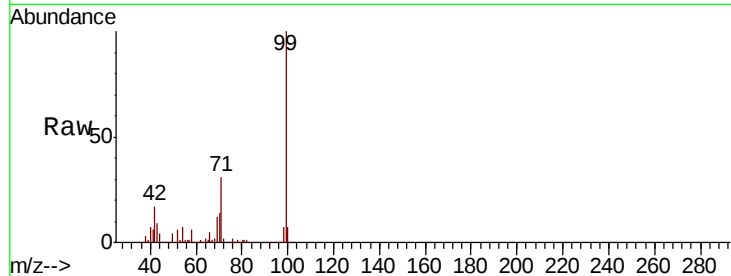
71 31.1 24.6 37.0

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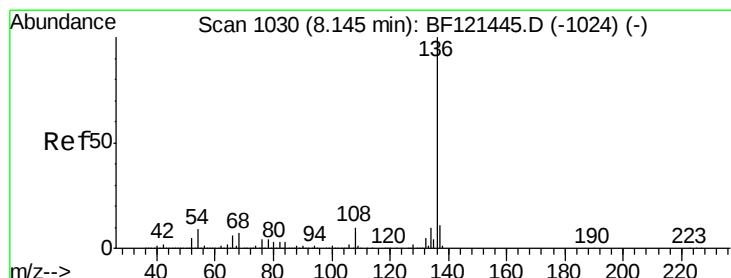
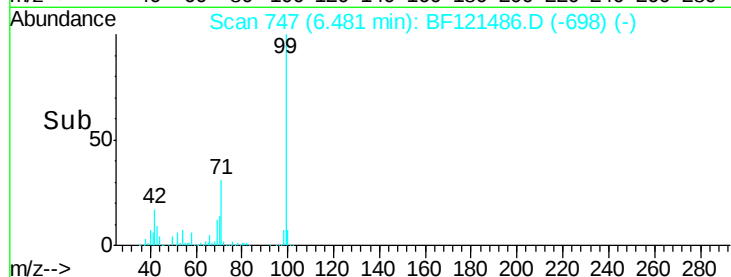
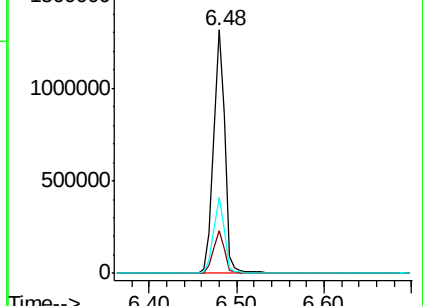
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: BF121486.D

Acq: 31 Aug 2020 19:32

Tgt Ion: 136 Resp: 1139248

Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.9 7.0 10.4

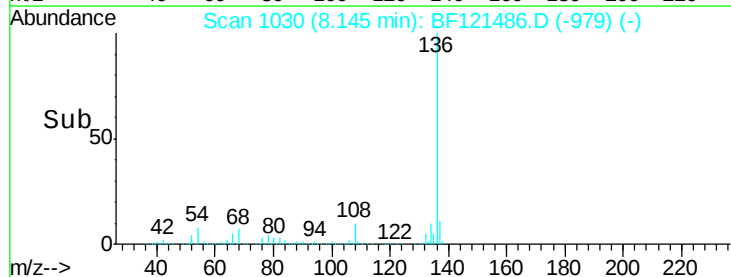
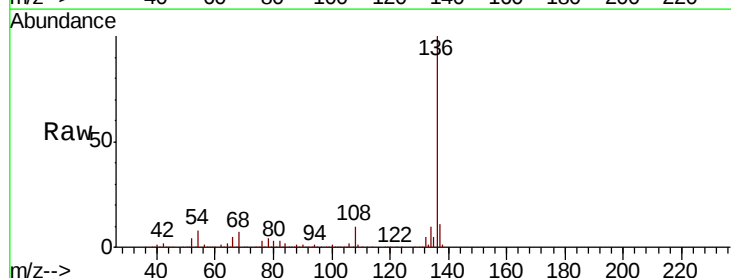
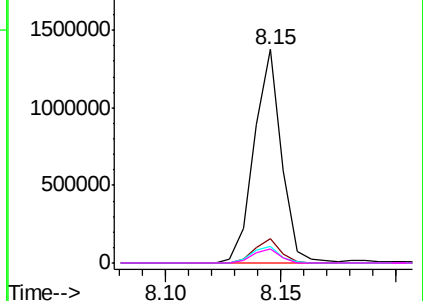
68 6.6 5.5 8.3

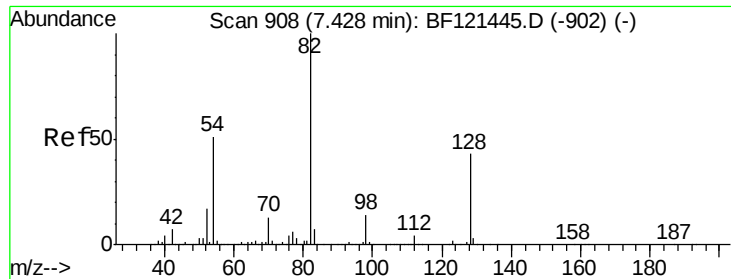
Abundance Ion 136.00 (135.70 to 136.70): E

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





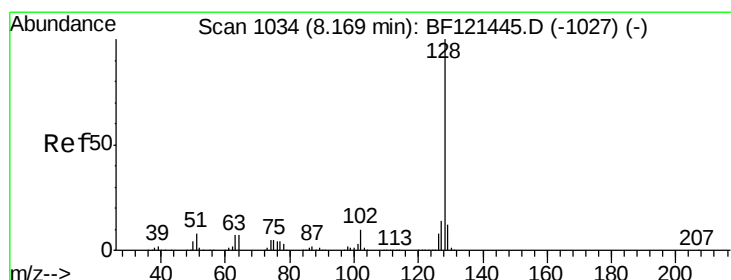
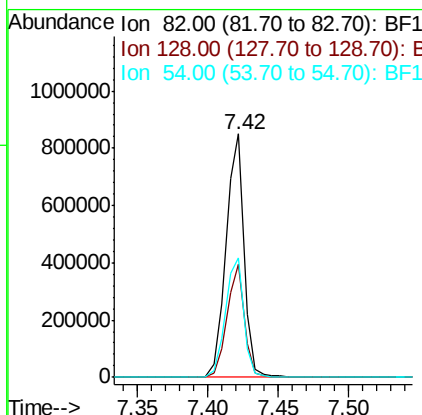
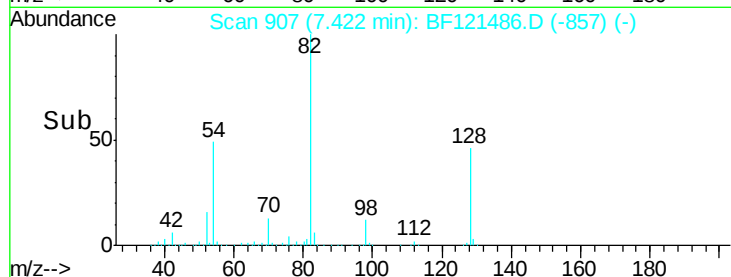
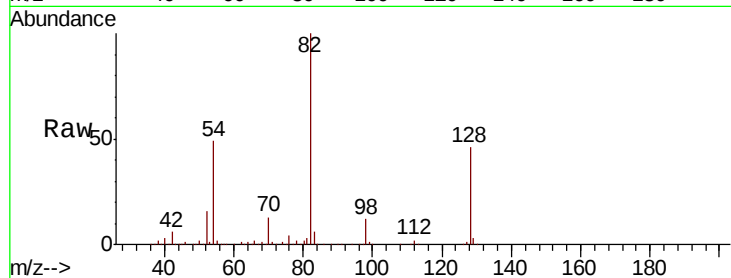
#23
Nitrobenzene-d5
Concen: 45.305 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF121486.D
Acq: 31 Aug 2020 19:32

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-10-B

Tot Ion	Ratio	Resp	Lower	Upper
82	100	754960		
128	46.5		34.1	51.1
54	49.1		41.0	61.6

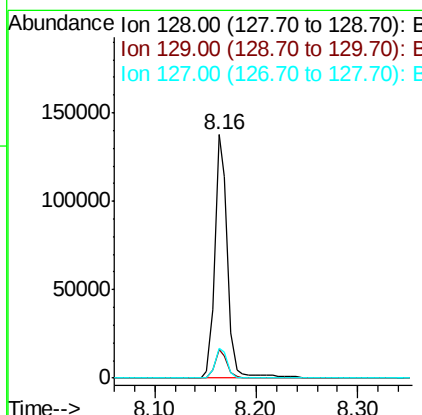
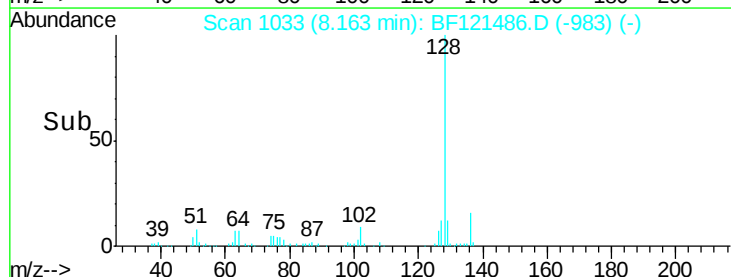
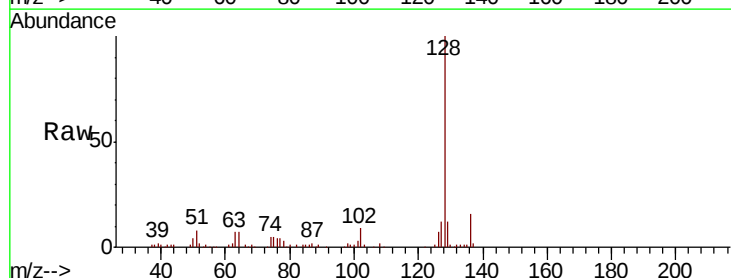
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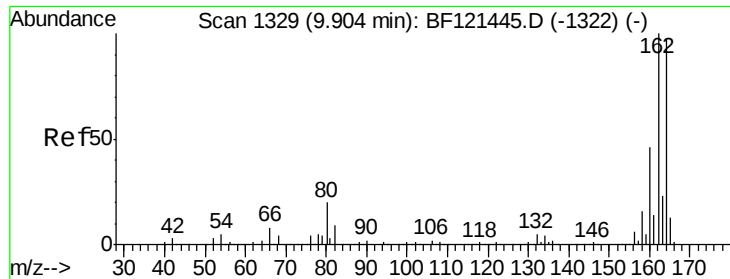
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#31
Naphthalene
Concen: 2.118 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF121486.D
Acq: 31 Aug 2020 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	119809		
129	11.5		9.6	14.4
127	12.5		11.4	17.2





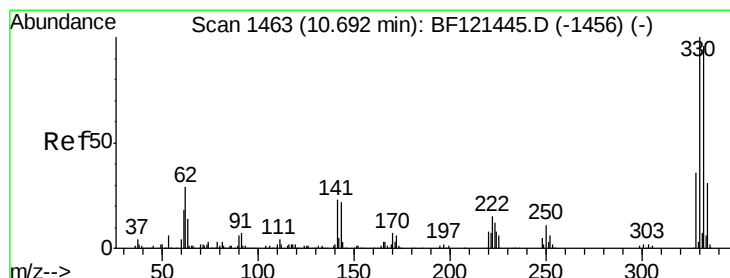
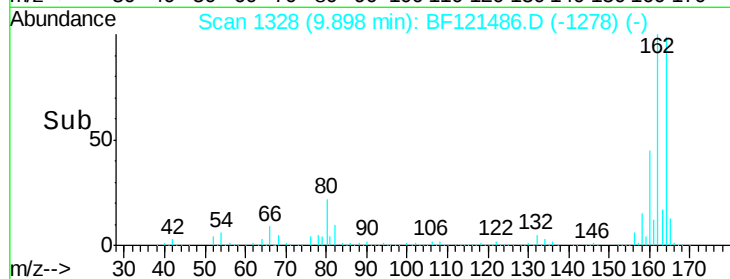
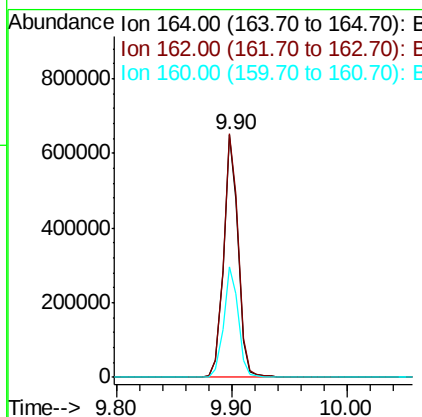
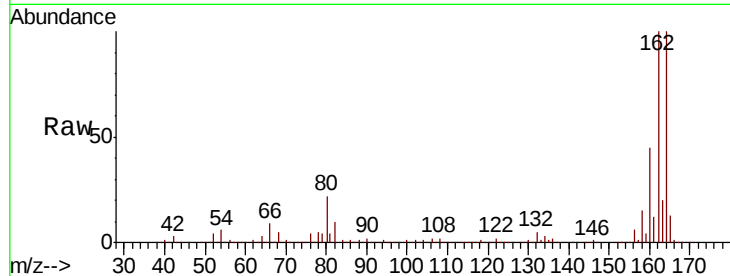
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF121486.D
Acq: 31 Aug 2020 19:32

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-10-B

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.4	82.4	123.6
160	45.7	37.6	56.4

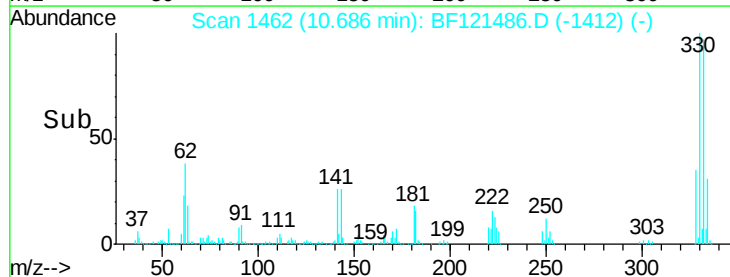
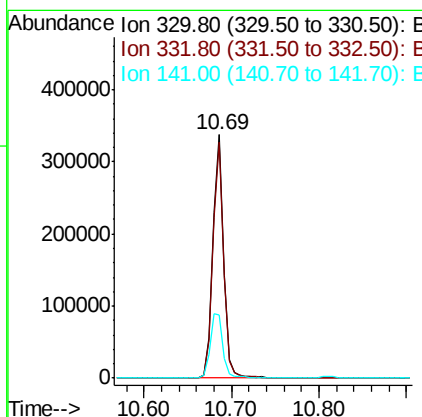
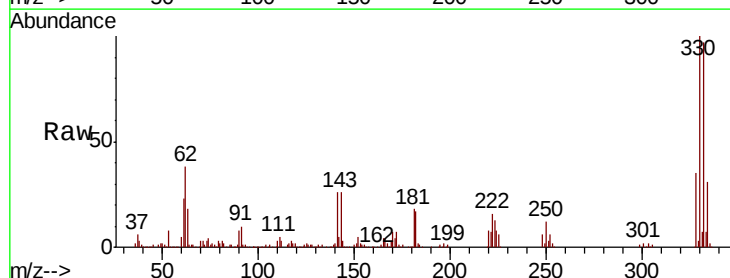
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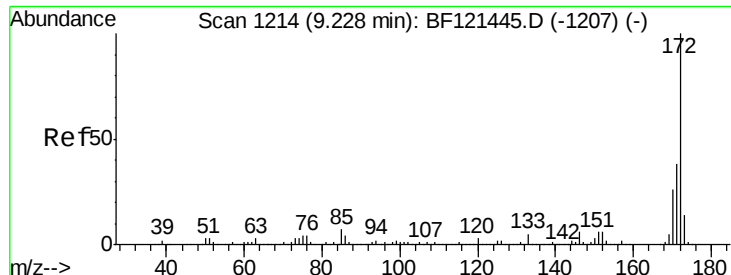
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#42
2,4,6-Tribromophenol
Concen: 51.106 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF121486.D
Acq: 31 Aug 2020 19:32

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.2	114.2
141	30.9	24.6	36.8





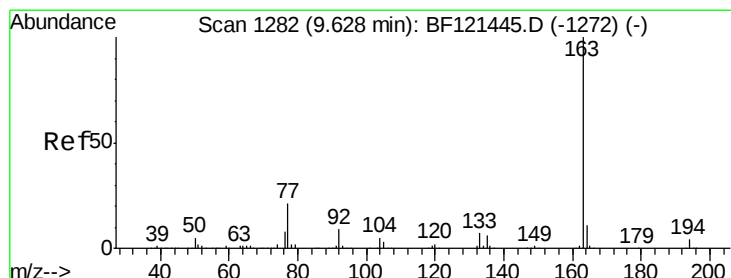
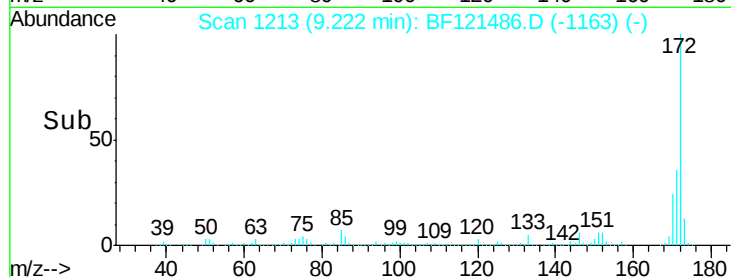
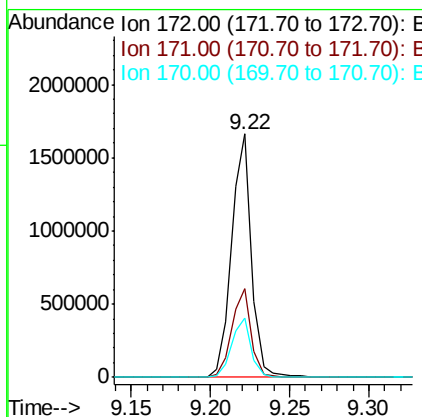
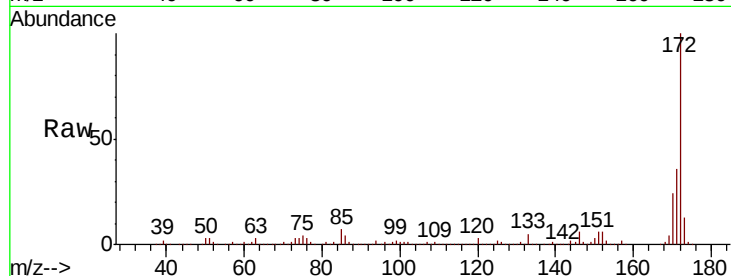
#45
2-Fluorobiphenyl
Concen: 41.366 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF121486.D
Acq: 31 Aug 2020 19:32

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-10-B

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.6	45.8
170	24.4	20.6	31.0

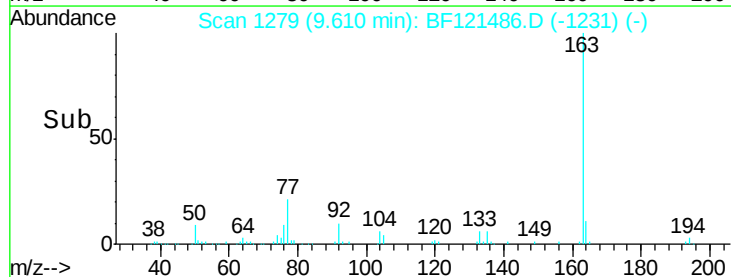
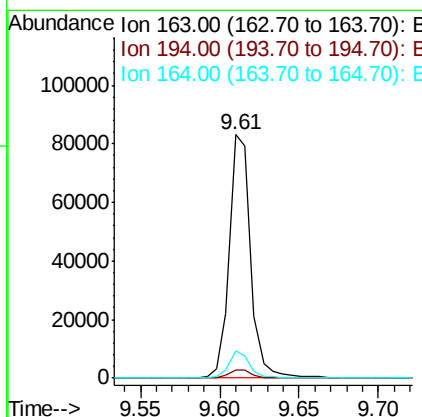
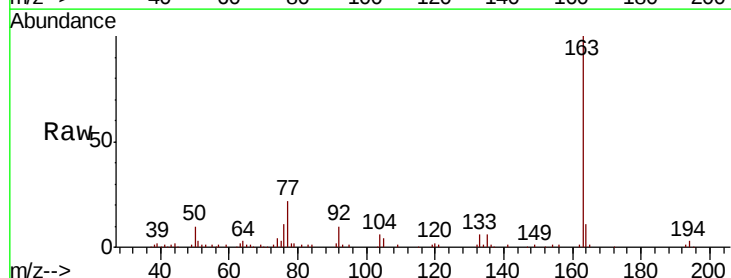
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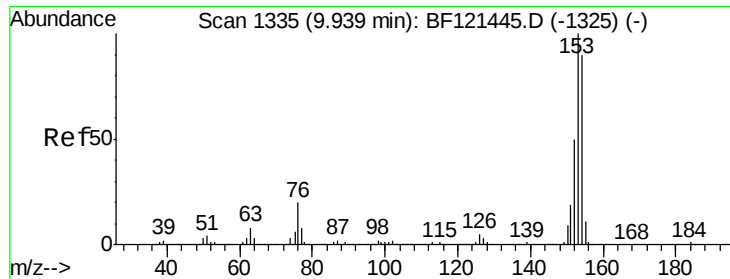
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#50
Dimethylphthalate
Concen: 2.018 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF121486.D
Acq: 31 Aug 2020 19:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.3	4.9
164	11.0	8.6	12.8





#52

Acenaphthene

Concen: 3.493 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF121486.D

Acq: 31 Aug 2020 19:32

Instrument :

BNA_F

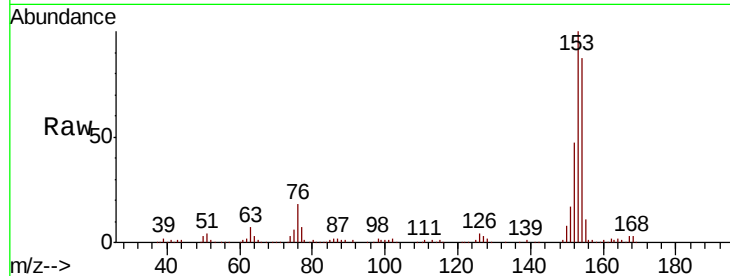
ClientSampleId :

LINDEN-JOP-BH-10-B

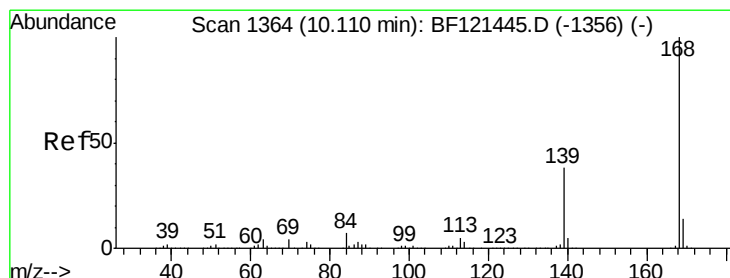
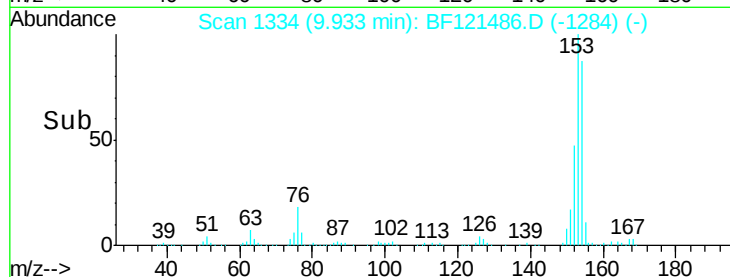
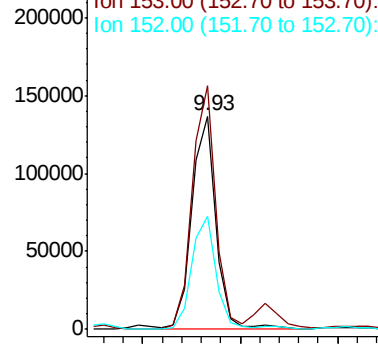
Tot Ion:	154	Resp:	115756
Ion Ratio	Lower	Upper	
154	100		
153	114.4	88.9	133.3
152	53.4	44.1	66.1

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 3.229 ng

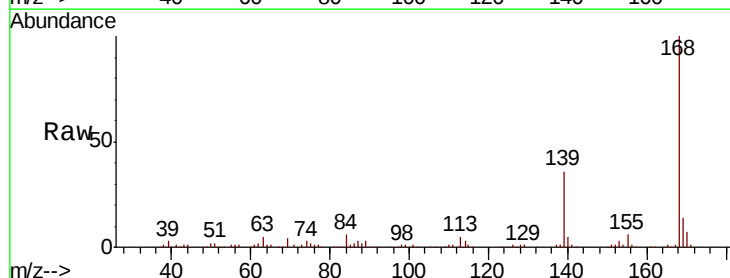
RT: 10.10 min Scan# 1363

Delta R.T. -0.01 min

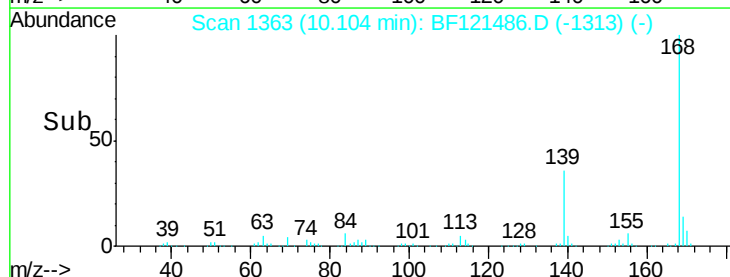
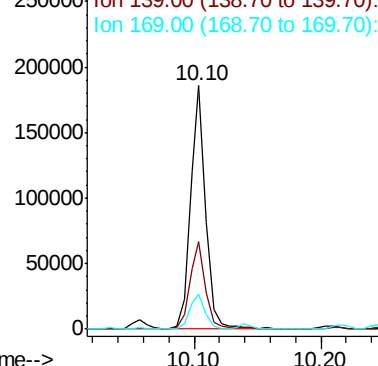
Lab File: BF121486.D

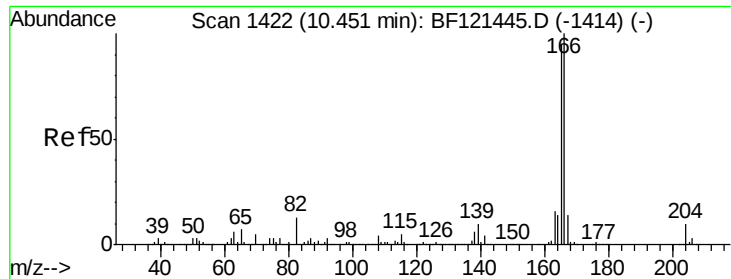
Acq: 31 Aug 2020 19:32

Tgt Ion:	168	Resp:	155450
Ion Ratio	Lower	Upper	
168	100		
139	35.9	30.1	45.1
169	14.3	11.2	16.8



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





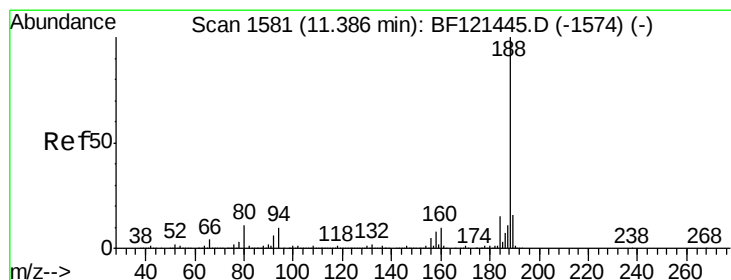
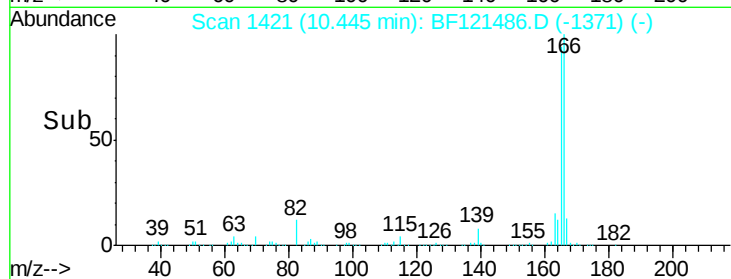
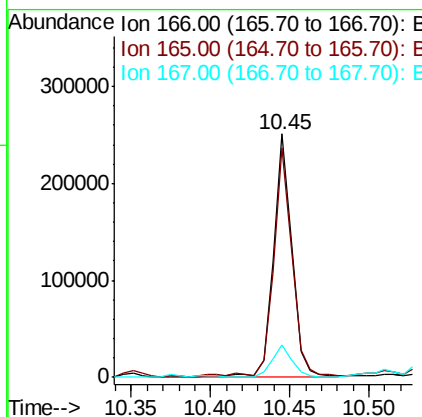
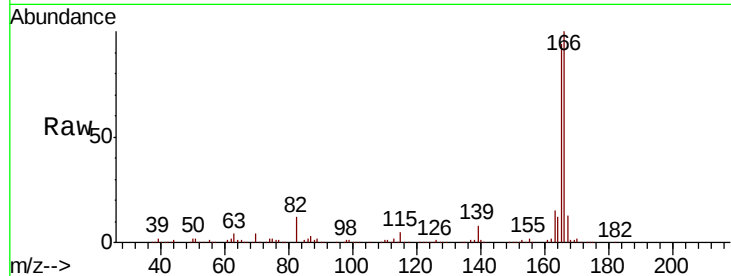
#58
Fluorene
 Concen: 5.637 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF121486.D
 Acq: 31 Aug 2020 19:32

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-10-B

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.1	75.7	113.5
167	13.3	11.1	16.7

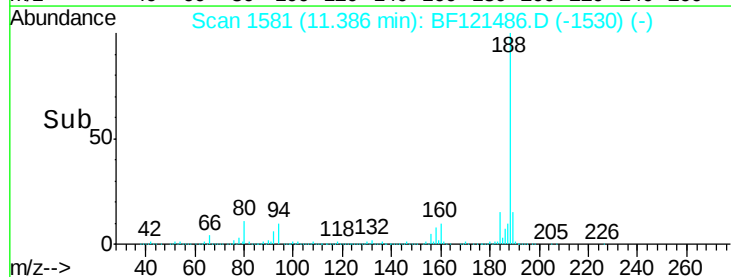
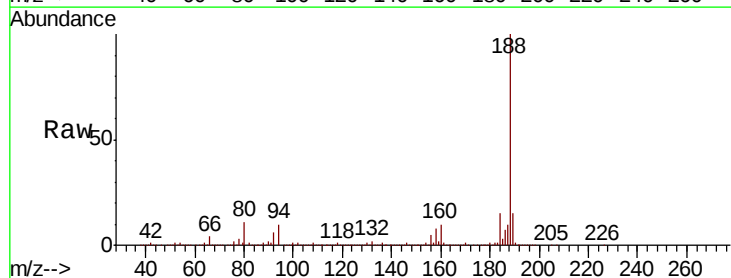
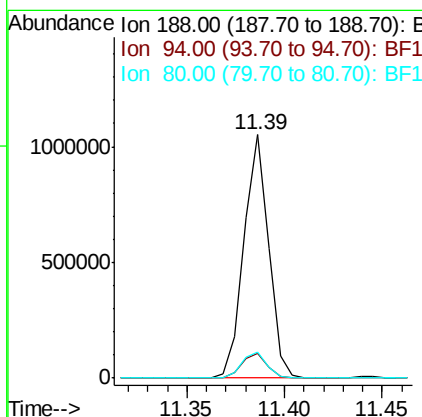
Manual Integrations
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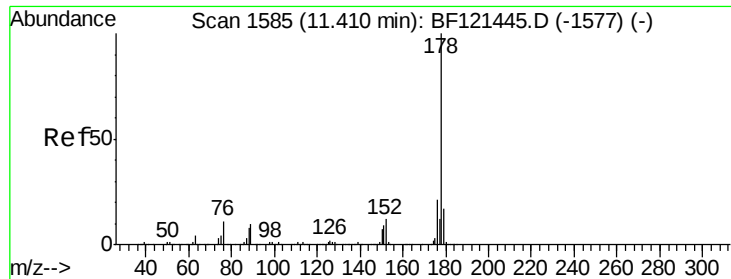
mohammad
 9/2/2020 1:56:09 PM



#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: BF121486.D
 Acq: 31 Aug 2020 19:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.3	12.5
80	10.6	8.6	13.0





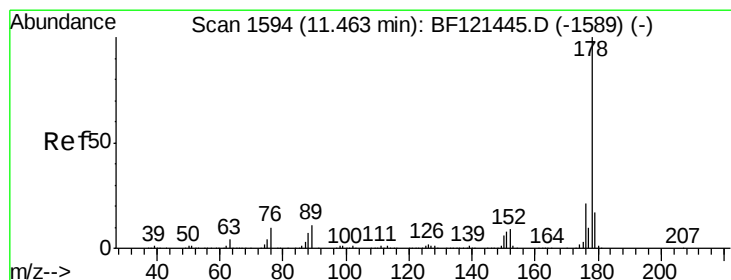
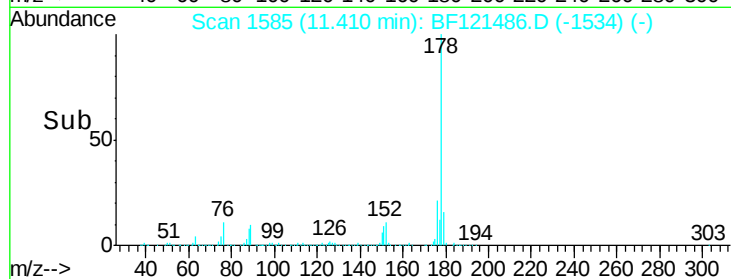
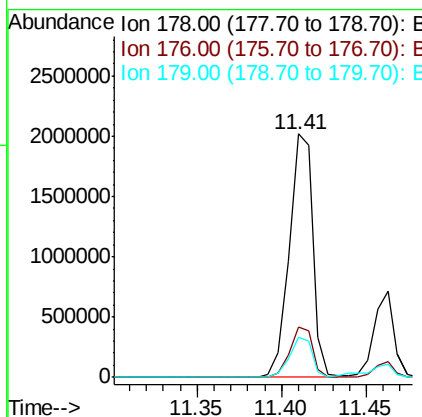
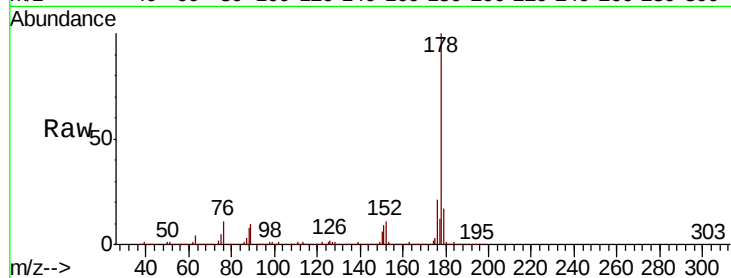
#71
Phenanthrene
Concen: 40.987 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF121486.D
Acq: 31 Aug 2020 19:32

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-10-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	16.9	25.3
179	16.6	13.4	20.0

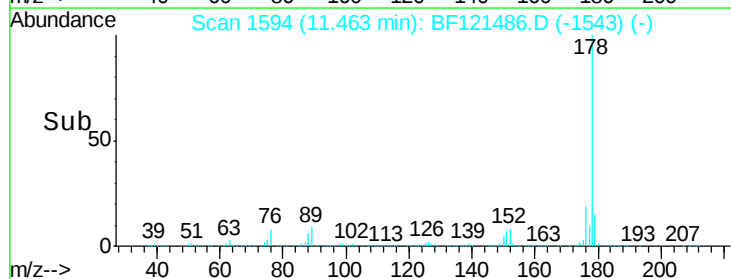
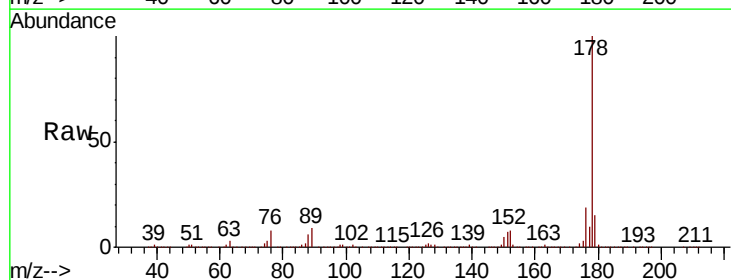
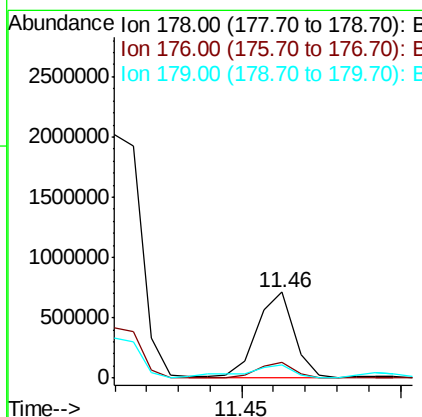
Manual Integrations
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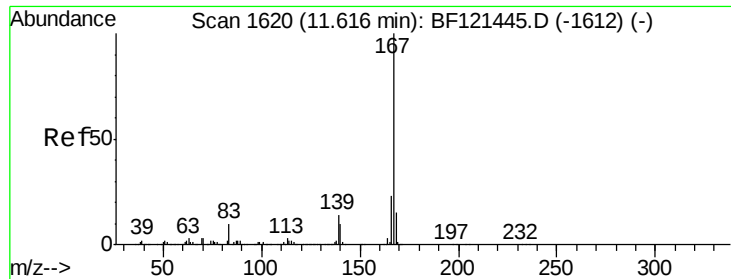
mohammad
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#72
Anthracene
Concen: 12.343 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.00 min
Lab File: BF121486.D
Acq: 31 Aug 2020 19:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.7	25.1
179	15.0	13.4	20.2





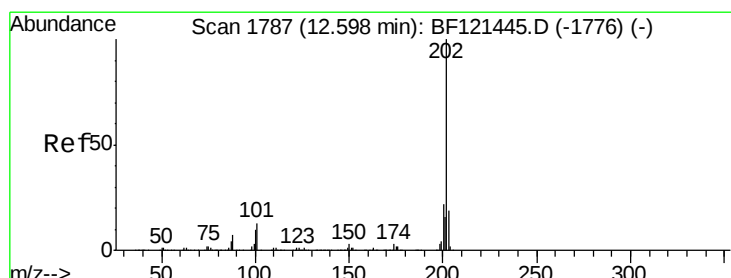
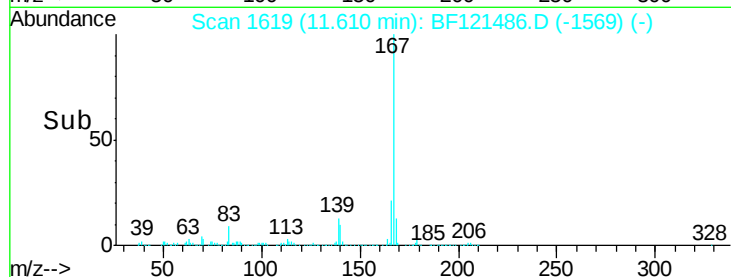
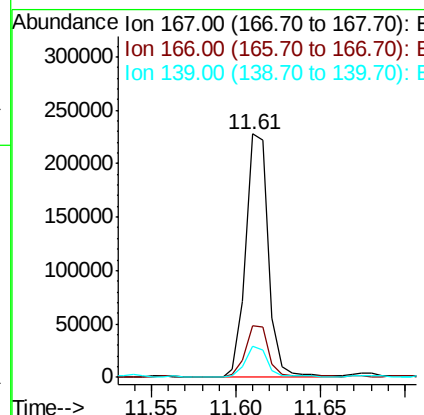
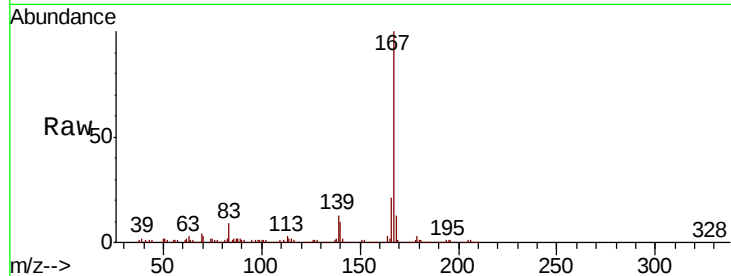
#73
 Carbazole
 Concen: 4.730 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF121486.D
 Acq: 31 Aug 2020 19:32

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-10-B

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.0	18.4	27.6
139	12.9	11.0	16.6

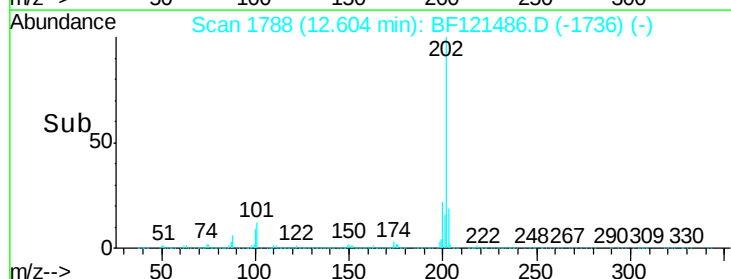
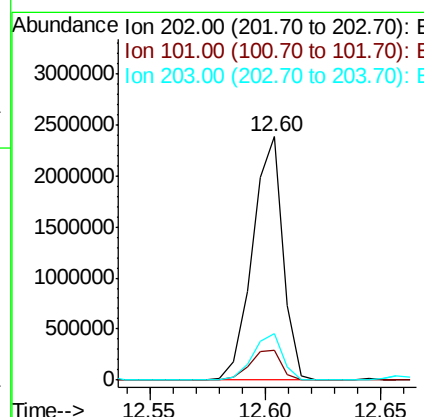
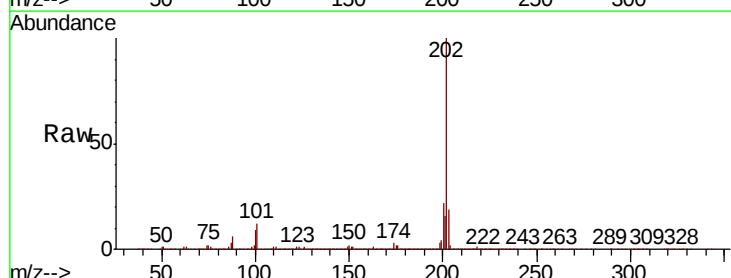
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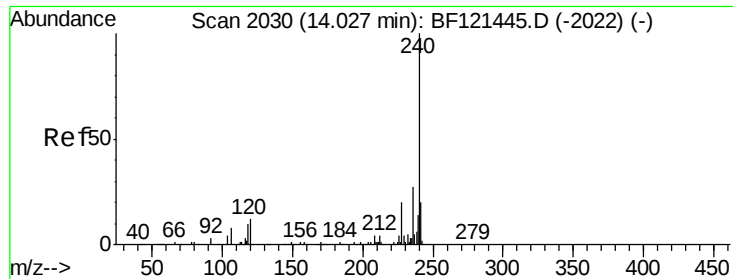
mohammad
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#75
 Fluoranthene
 Concen: 42.756 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. 0.01 min
 Lab File: BF121486.D
 Acq: 31 Aug 2020 19:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	33.3
203	18.9	0.0	39.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BF121486.D

Acq: 31 Aug 2020 19:32

Instrument :

BNA_F

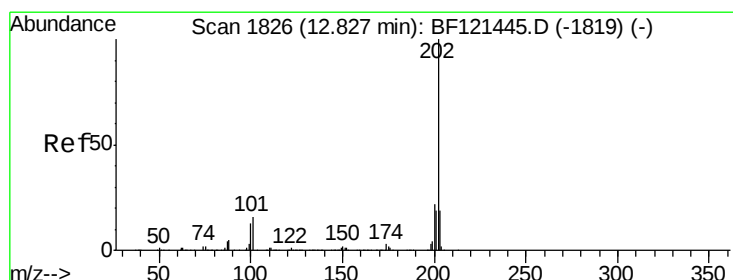
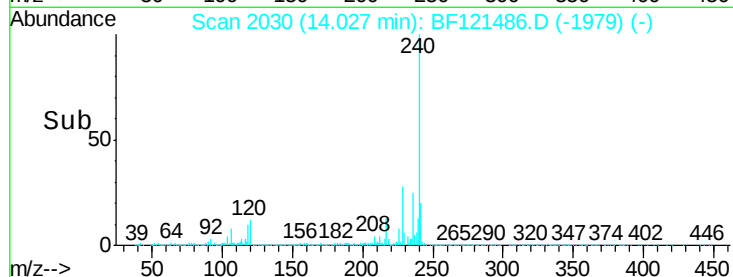
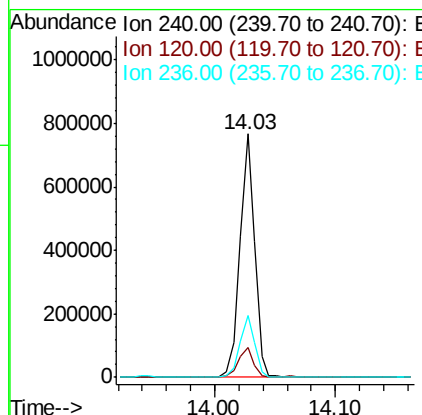
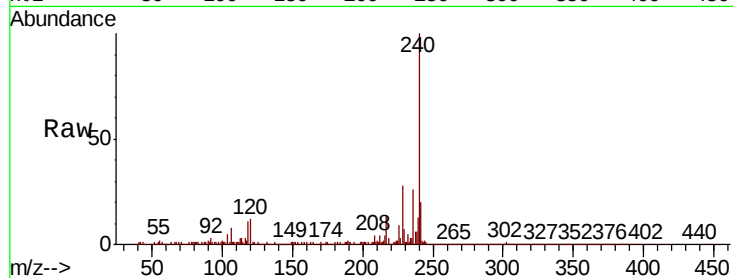
ClientSampleId :

LINDEN-JOP-BH-10-B

Tot Ion:	240	Resp:	651822
Ion Ratio	Lower	Upper	
240	100		
120	12.0	9.5	14.3
236	25.6	21.8	32.6

Manual Integrations
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#78

Pyrene

Concen: 42.671 ng

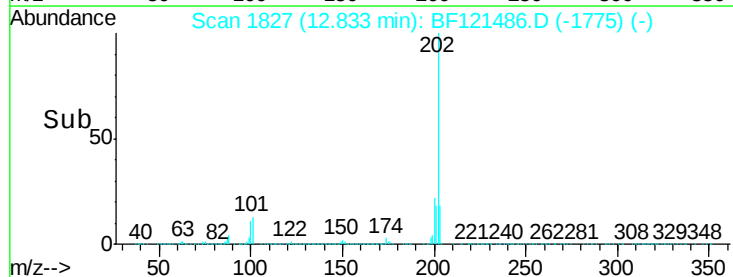
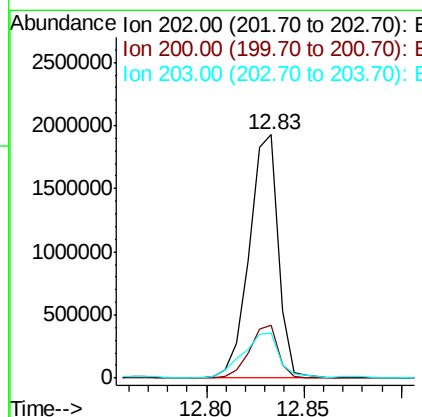
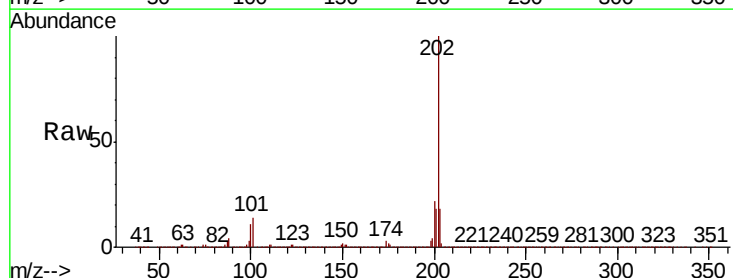
RT: 12.83 min Scan# 1827

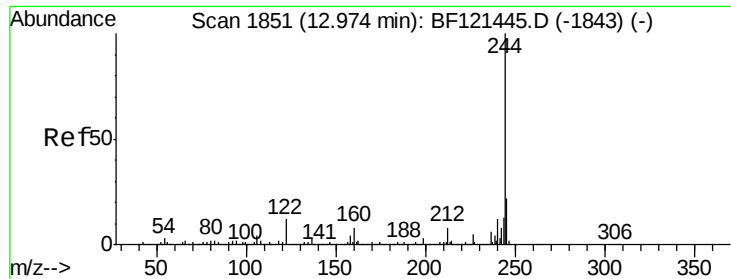
Delta R.T. 0.01 min

Lab File: BF121486.D

Acq: 31 Aug 2020 19:32

Tgt Ion:	202	Resp:	1986412
Ion Ratio	Lower	Upper	
202	100		
200	21.6	18.0	27.0
203	18.5	15.3	22.9





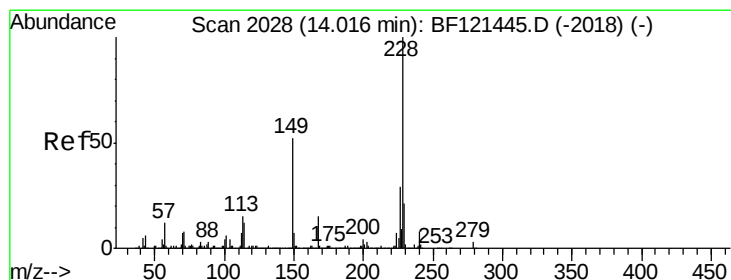
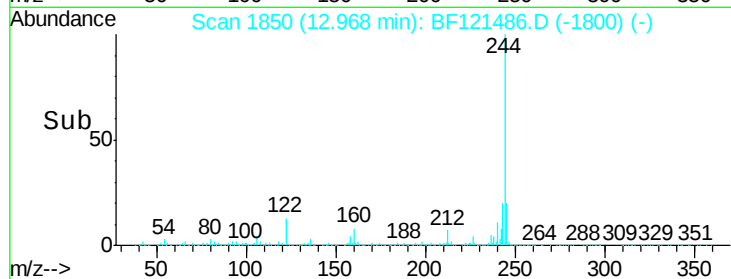
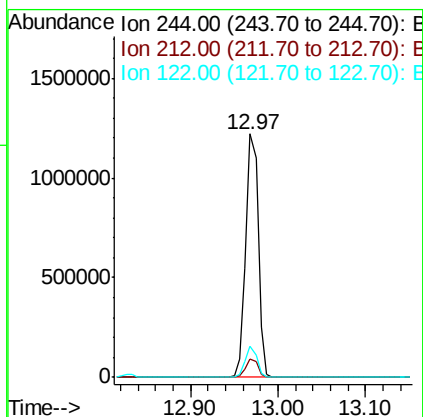
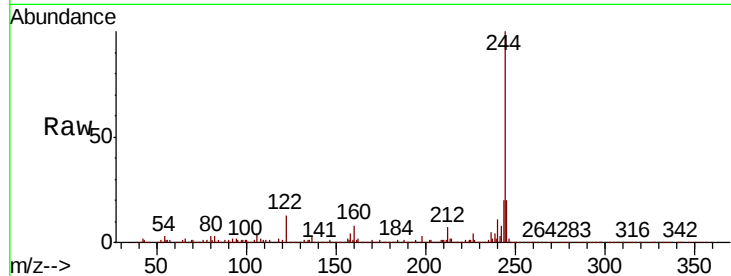
#79
 Terphenyl-d14
 Concen: 37.210 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF121486.D
 Acq: 31 Aug 2020 19:32

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-10-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.3	9.5
122	12.8	9.5	14.3

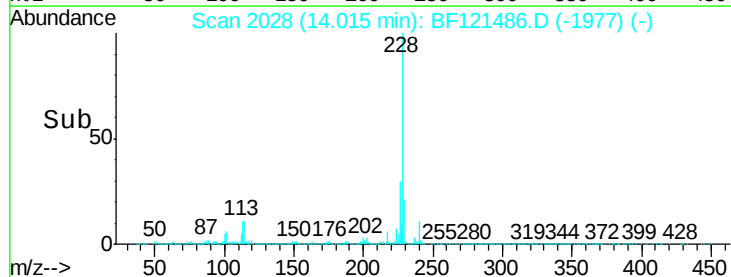
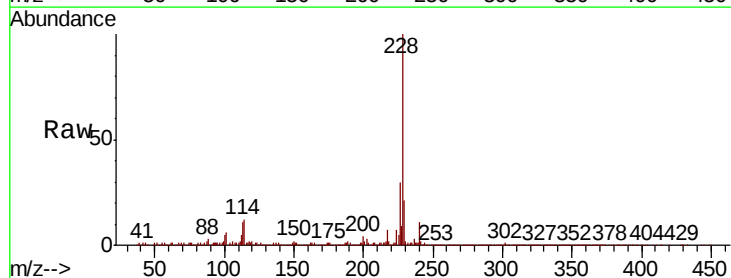
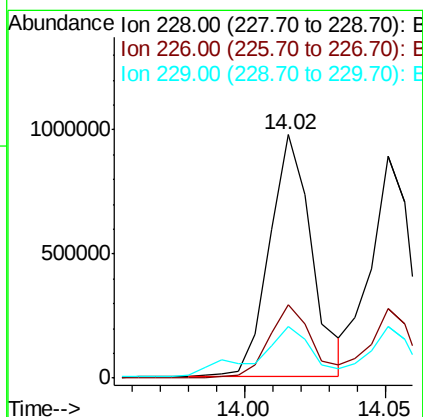
Manual Integrations
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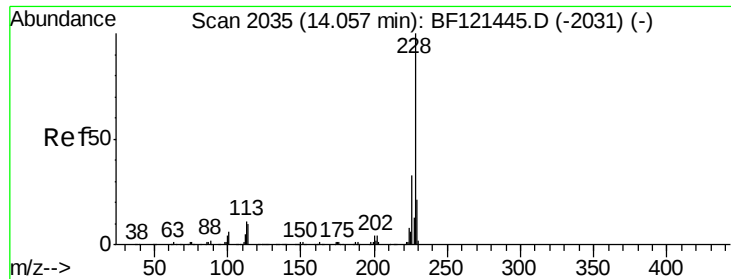
mohammad
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#81
 Benzo(a)anthracene
 Concen: 25.584 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: BF121486.D
 Acq: 31 Aug 2020 19:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.0	34.4
229	21.1	16.6	24.8





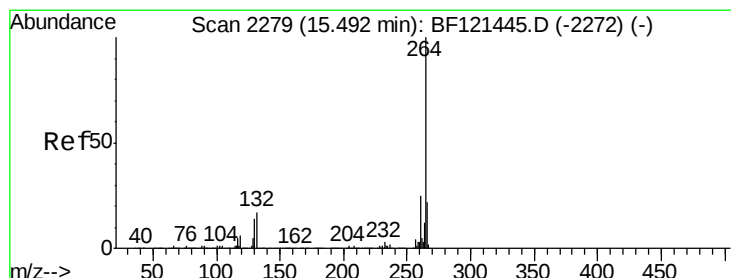
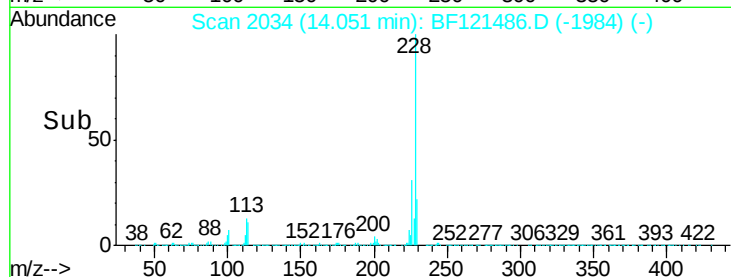
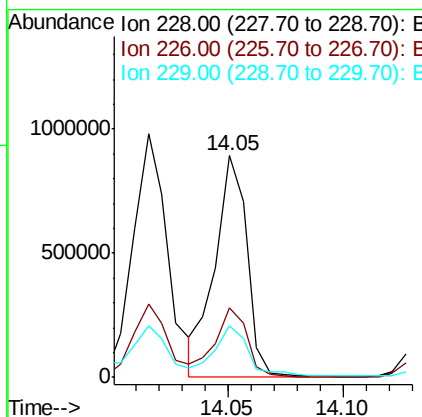
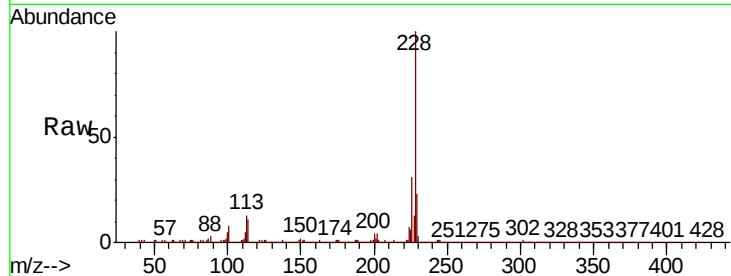
#83
Chrysene
Concen: 21.331 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF121486.D
Acq: 31 Aug 2020 19:32

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-10-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	26.2	39.2
229	23.2	16.6	25.0

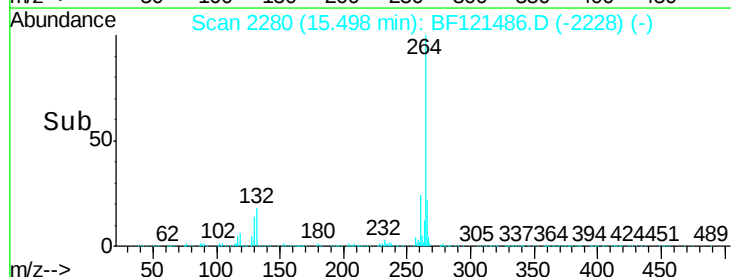
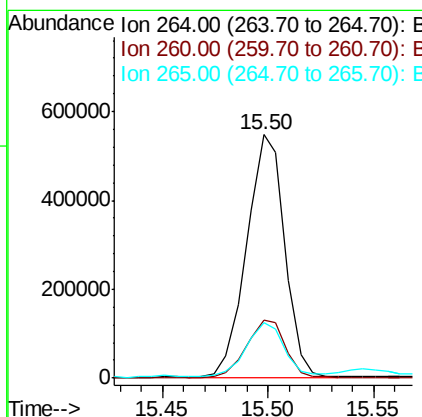
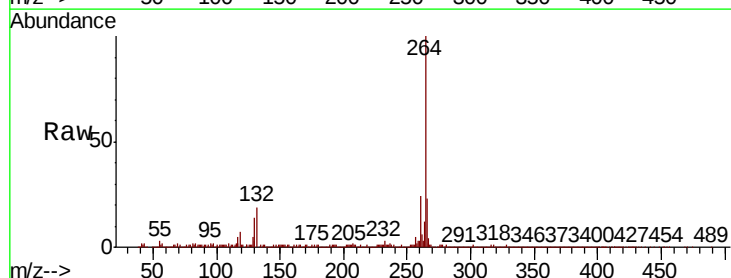
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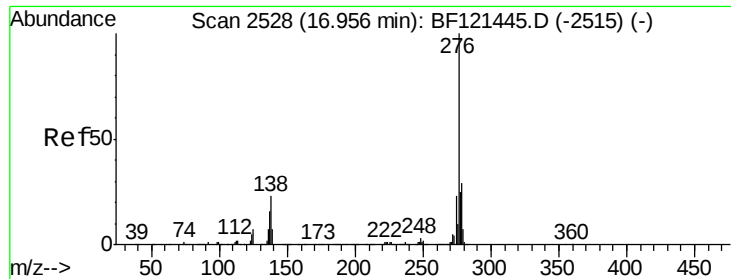
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF121486.D
Acq: 31 Aug 2020 19:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.6	29.4
265	22.6	17.8	26.6





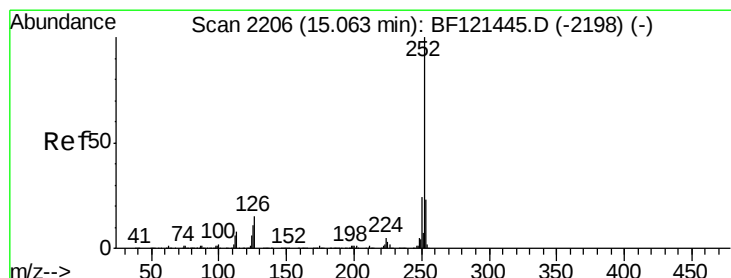
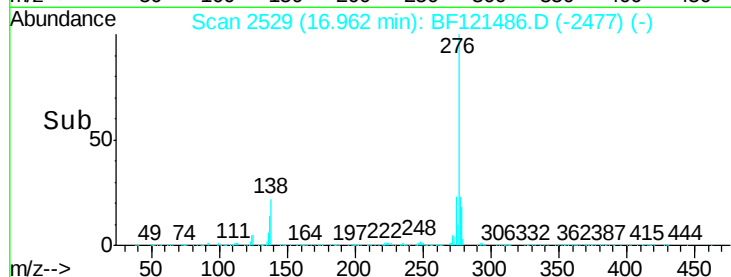
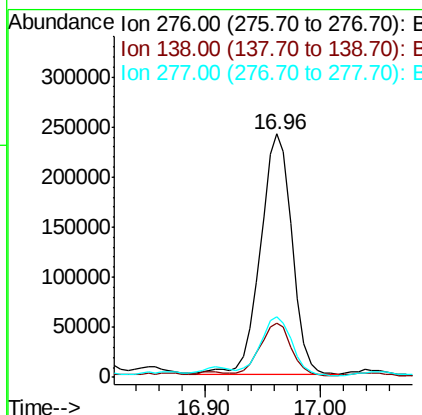
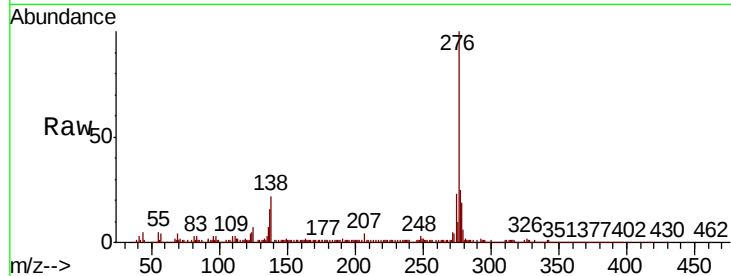
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.942 ng
 RT: 16.96 min Scan# 2529
 Delta R.T. 0.01 min
 Lab File: BF121486.D
 Acq: 31 Aug 2020 19:32

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-10-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.3	20.6	31.0
277	24.3	20.5	30.7

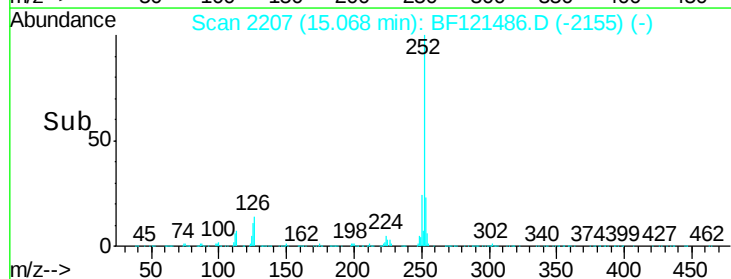
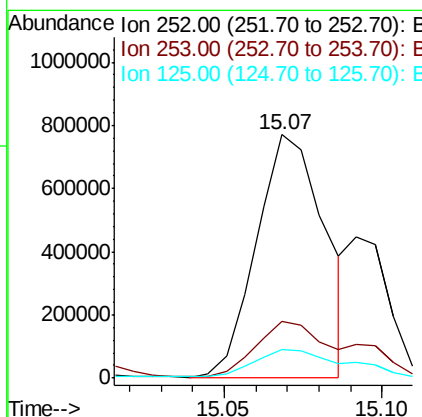
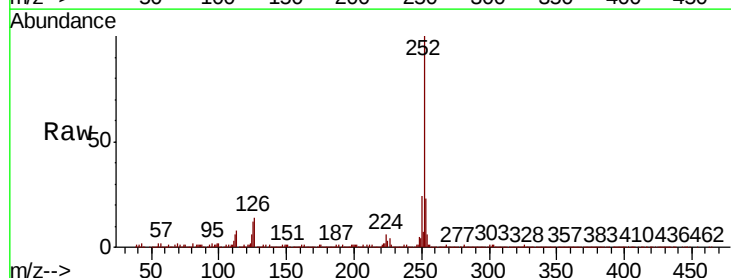
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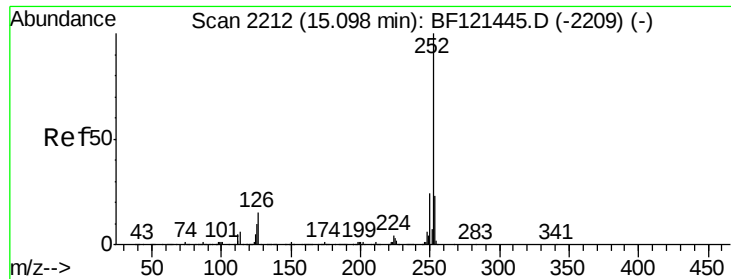
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 25.955 ng m
 RT: 15.07 min Scan# 2207
 Delta R.T. 0.01 min
 Lab File: BF121486.D
 Acq: 31 Aug 2020 19:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.3	27.5
125	11.6	9.2	13.8





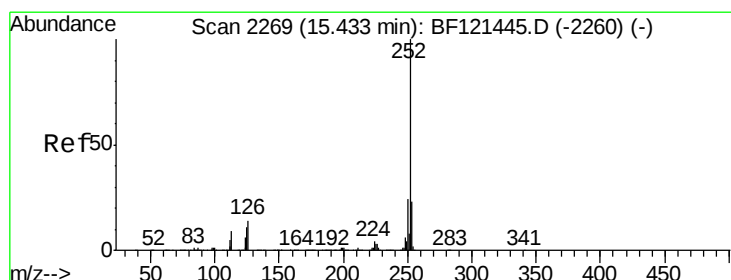
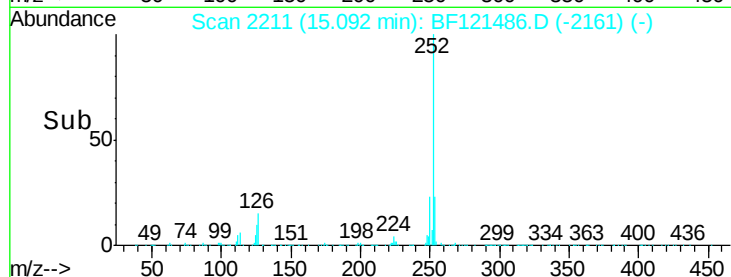
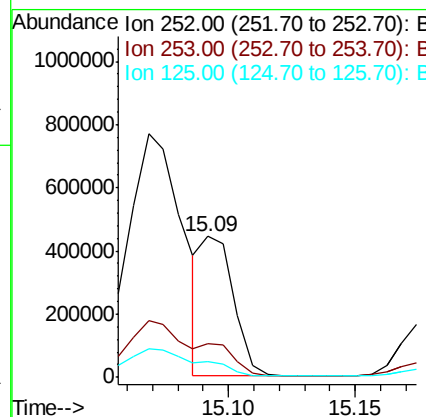
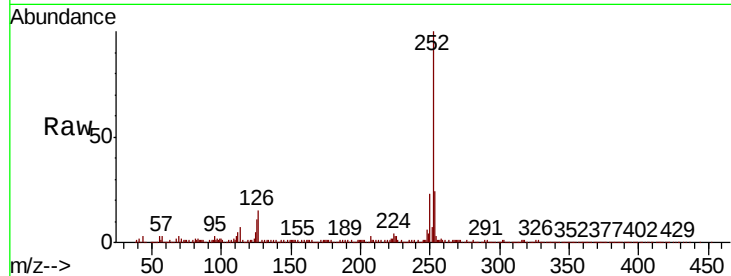
#89
Benzo(k)fluoranthene
Concen: 9.325 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF121486.D
Acq: 31 Aug 2020 19:32

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-10-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.3	27.5
125	11.4	8.5	12.7

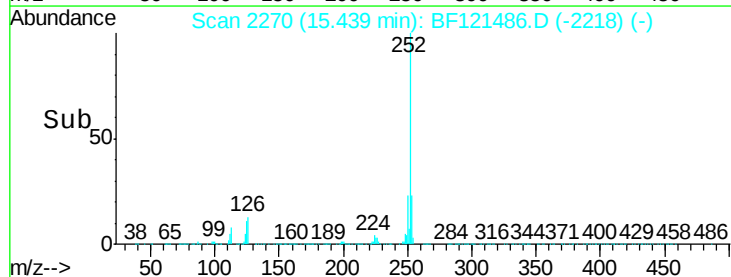
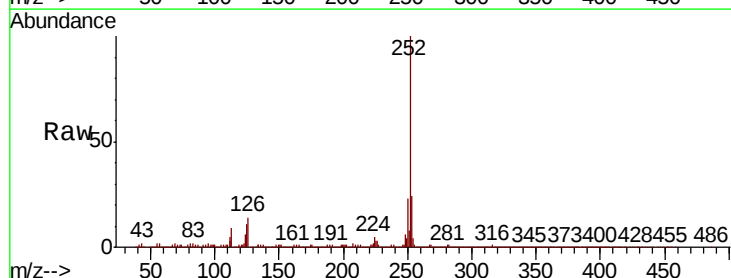
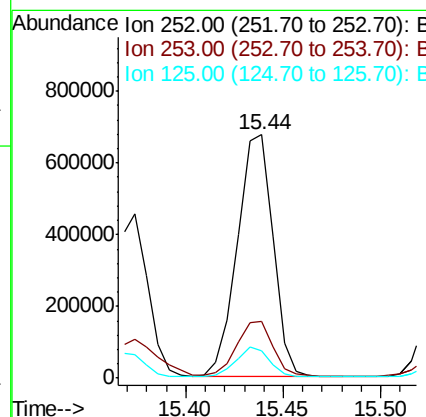
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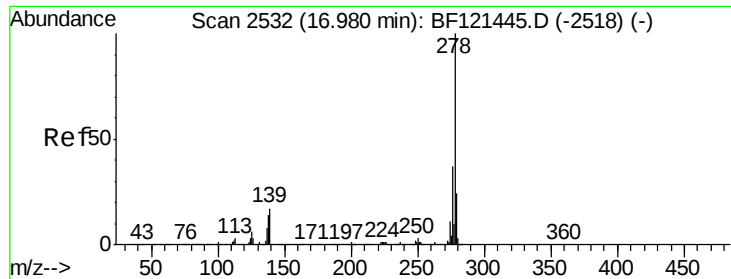
mohammad
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#90
Benzo(a)pyrene
Concen: 21.662 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF121486.D
Acq: 31 Aug 2020 19:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	11.2	9.0	13.4





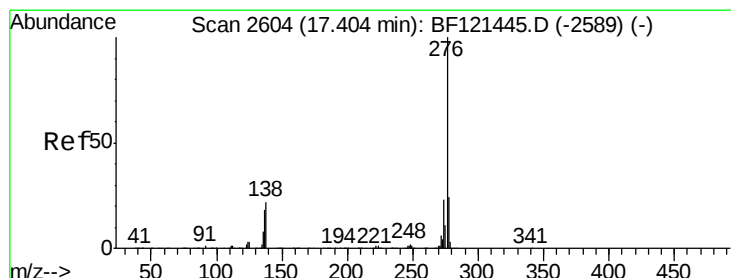
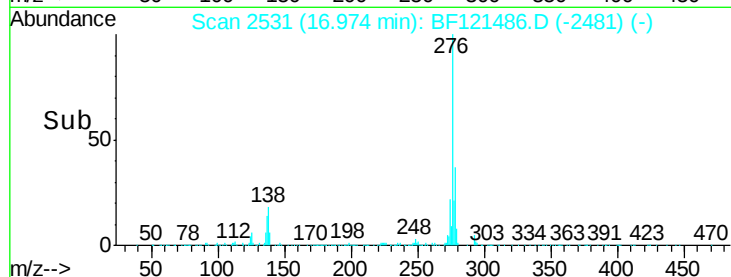
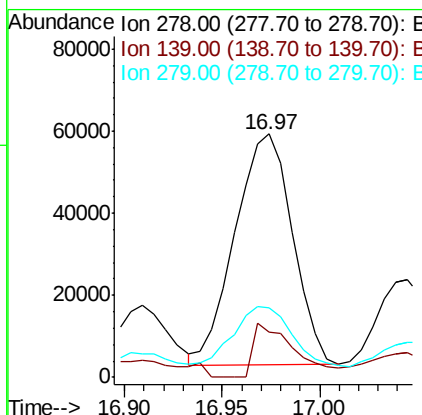
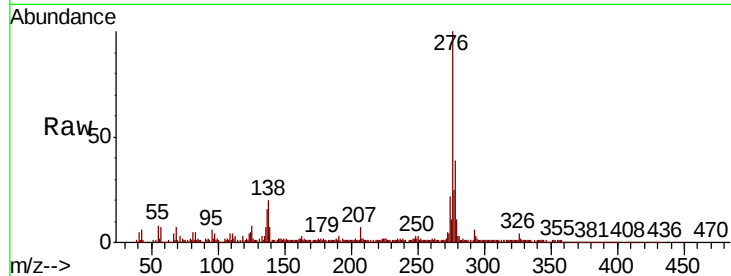
#91
Dibenzo(a,h)anthracene
Concen: 3.331 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF121486.D
Acq: 31 Aug 2020 19:32

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-10-B

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.5	13.3	19.9
279	28.5	19.4	29.0

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 12.455 ng
RT: 17.40 min Scan# 2604
Delta R.T. -0.00 min
Lab File: BF121486.D
Acq: 31 Aug 2020 19:32

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

