

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
 Data File : BF121484.D
 Acq On : 31 Aug 2020 18:31
 Operator : JU/CG
 Sample : L3847-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Aug 31 19:02:55 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	319306	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1145636	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	562369	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	947490	20.00	ng	0.00
76) Chrysene-d12	14.03	240	640489	20.00	ng	0.00
86) Perylene-d12	15.50	264	716497	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1845712	96.98	ng	0.01
7) Phenol-d6	6.49	99	2462210	92.58	ng	0.00
23) Nitrobenzene-d5	7.42	82	1585110	94.59	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	611944	107.73	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2681305	76.93	ng	0.00
79) Terphenyl-d14	12.97	244	2240719	73.64	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.76	152	134214	2.565	ng	97
50) Dimethylphthalate	9.61	163	147388	3.815	ng	98
52) Acenaphthene	9.93	154	122118	3.696	ng	99
55) Dibenzofuran	10.10	168	131800	2.746	ng	95
58) Fluorene	10.45	166	191574	5.295	ng	99
71) Phenanthrene	11.41	178	2338148	48.087	ng	100
72) Anthracene	11.46	178	772234	16.148	ng	96
73) Carbazole	11.61	167	185732	4.028	ng	97
75) Fluoranthene	12.60	202	3394296	64.772	ng	99
78) Pyrene	12.83	202	3487897	76.251	ng	98
81) Benzo(a)anthracene	14.02	228	1889742	48.333	ng	97
83) Chrysene	14.06	228	1726604	44.140	ng	98
87) Indeno(1,2,3-cd)pyrene	16.97	276	901574	20.451	ng	96
88) Benzo(b)fluoranthene	15.07	252	2194503m	47.084	ng	
89) Benzo(k)fluoranthene	15.10	252	660979m	15.247	ng	
90) Benzo(a)pyrene	15.44	252	1662736	39.674	ng	96
91) Dibenzo(a,h)anthracene	16.97	278	236690	6.559	ng	94
92) Benzo(g,h,i)perylene	17.41	276	833072	23.965	ng	97

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

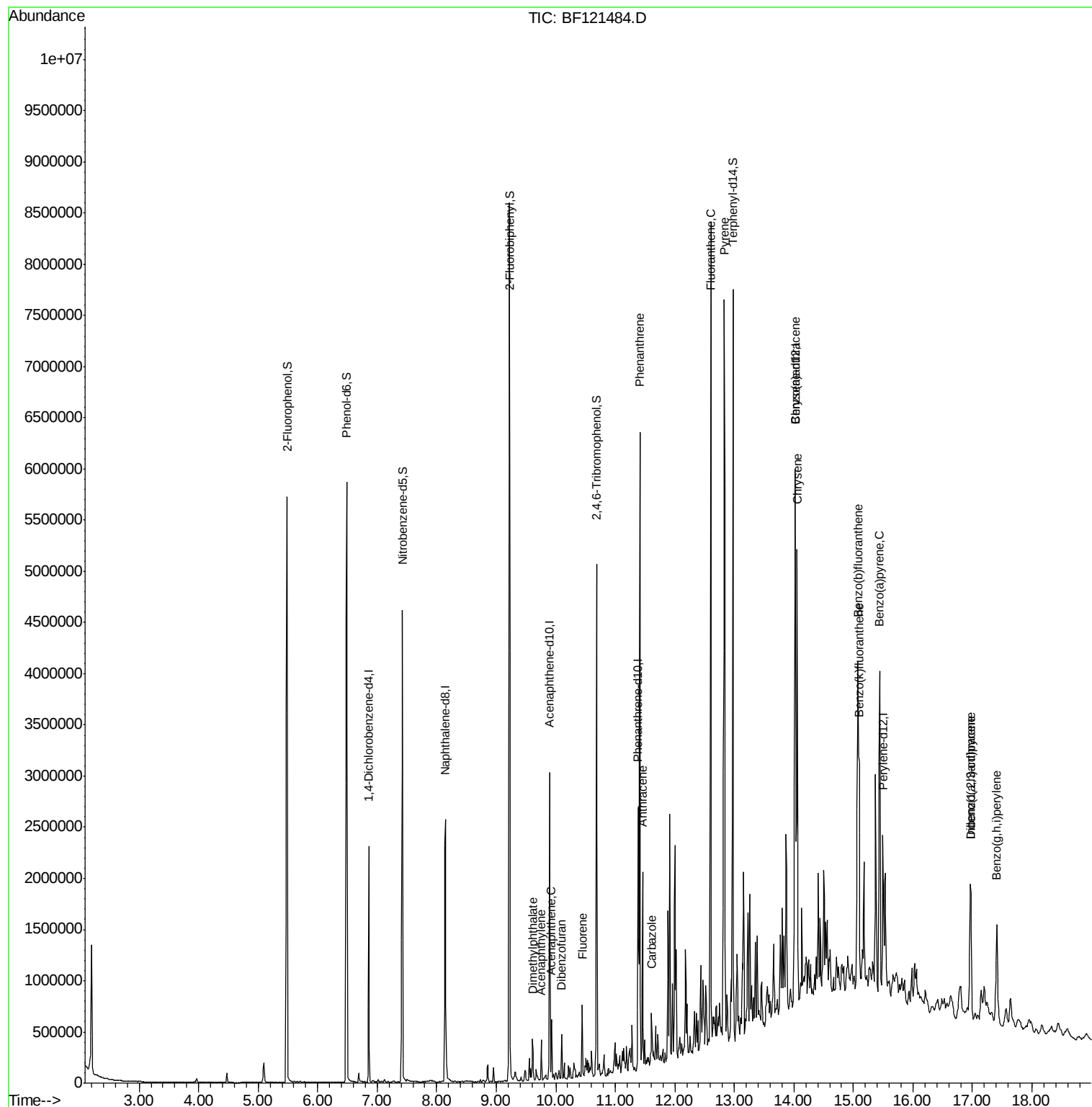
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121484.D
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ALS Vial : 13 Sample Multiplier: 1

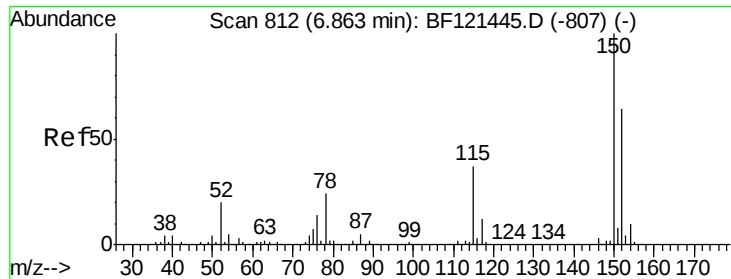
Instrument :
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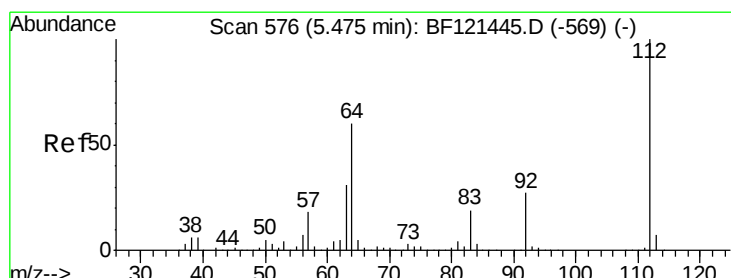
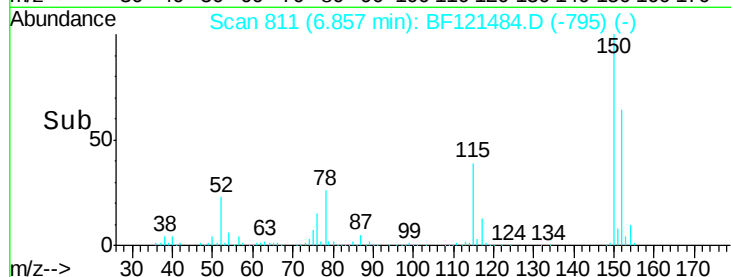
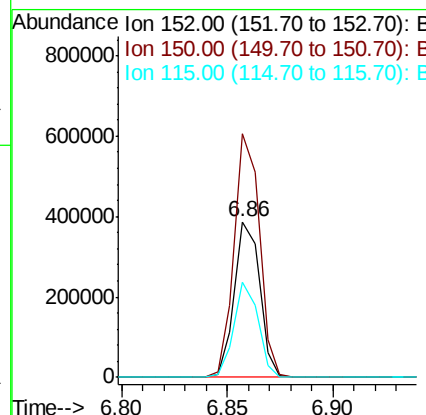
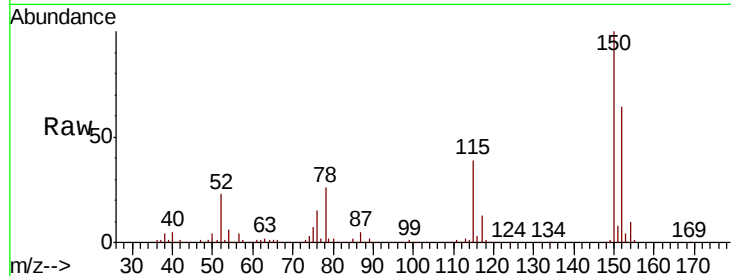
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF121484.D
Acq: 31 Aug 2020 18:31

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	125.8	188.6
115	60.8	46.6	69.8

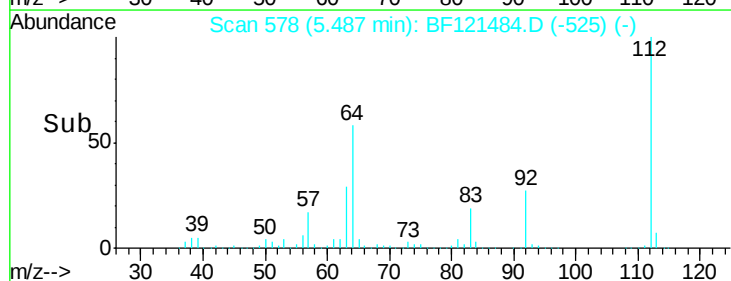
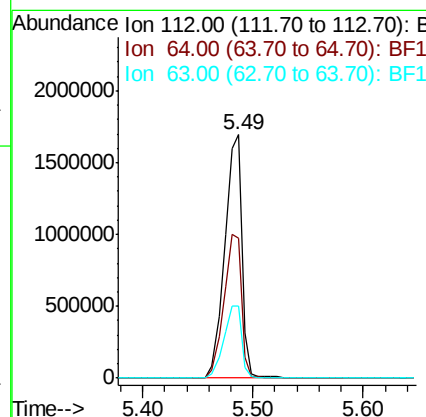
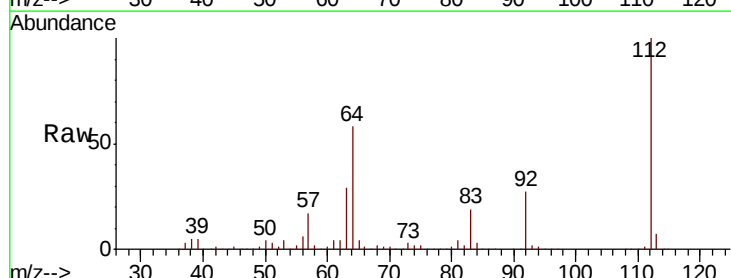
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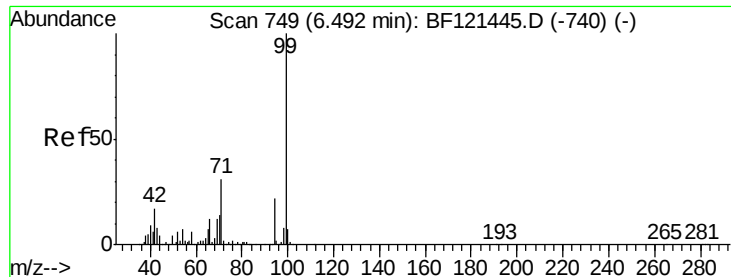
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#5
2-Fluorophenol
Concen: 96.980 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF121484.D
Acq: 31 Aug 2020 18:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	48.2	72.2
63	29.4	24.8	37.2





#7

Phenol-d6

Concen: 92.577 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF121484.D

Acq: 31 Aug 2020 18:31

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-10-A

Tot Ion: 99 Resp: 2462210

Ion Ratio Lower Upper

99 100

42 17.3 13.5 20.3

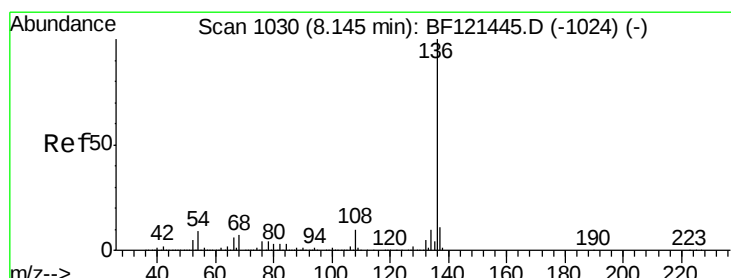
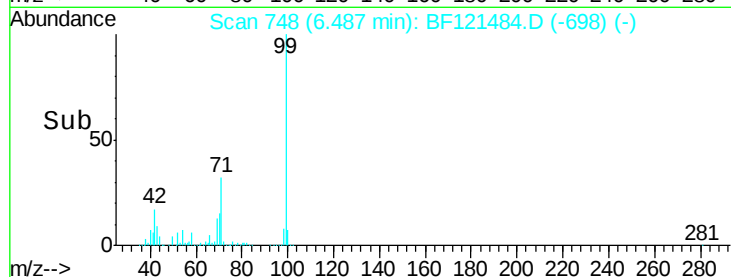
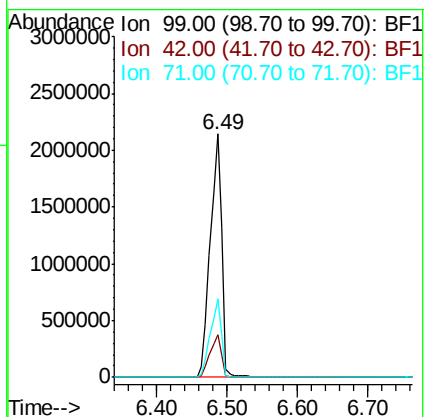
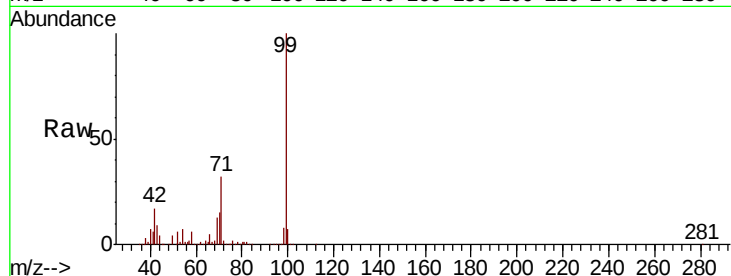
71 32.1 24.6 37.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF121484.D

Acq: 31 Aug 2020 18:31

Tgt Ion: 136 Resp: 1145636

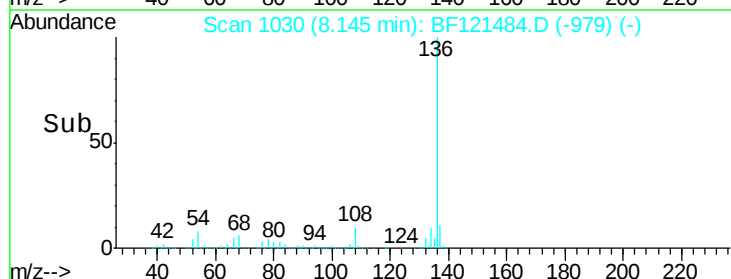
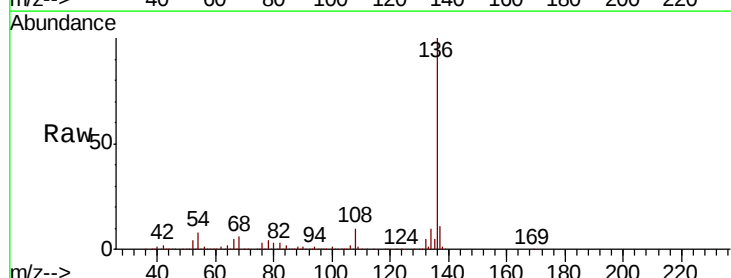
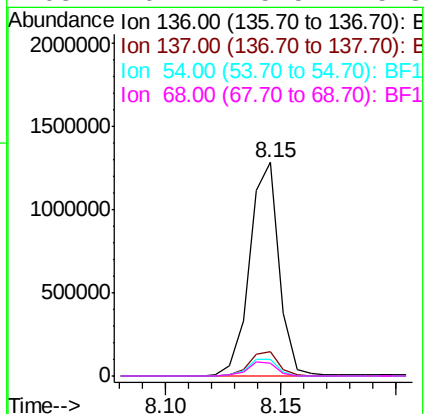
Ion Ratio Lower Upper

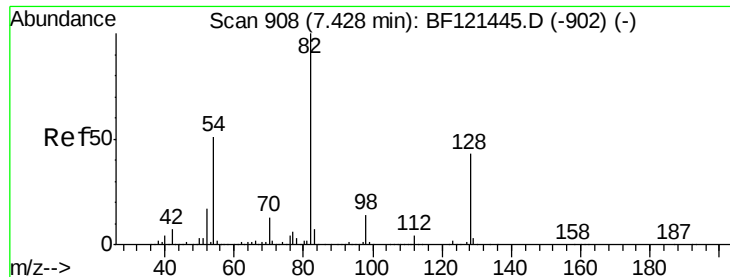
136 100

137 11.1 9.1 13.7

54 7.8 7.0 10.4

68 6.2 5.5 8.3





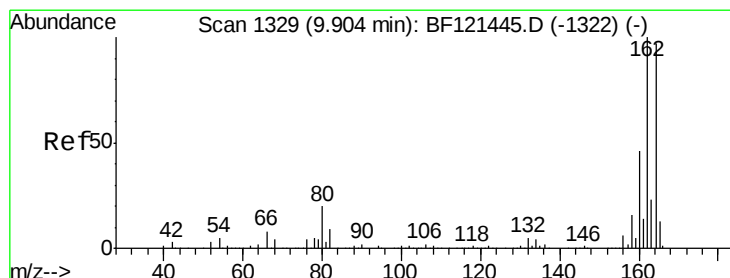
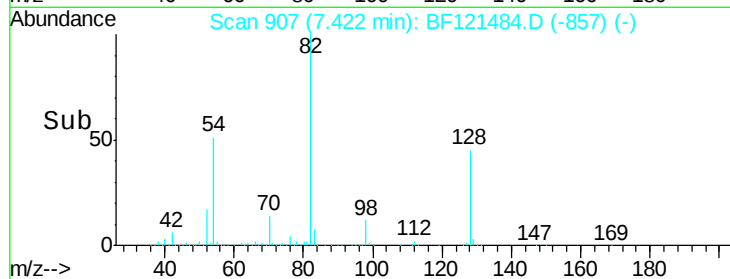
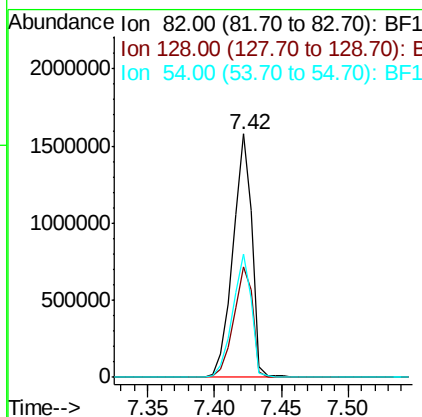
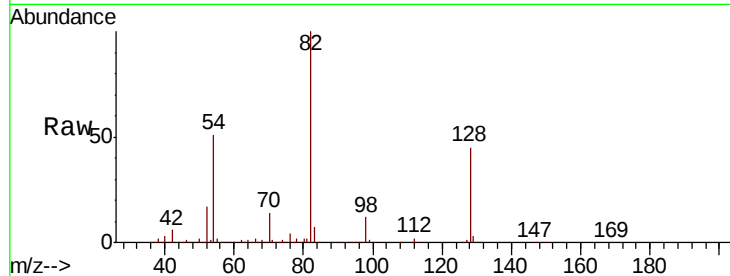
#23
 Nitrobenzene-d5
 Concen: 94.591 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF121484.D
 Acq: 31 Aug 2020 18:31

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

Tot Ion	82	Resp	1585110
Ion Ratio	100	Lower	Upper
82	100		
128	45.3	34.1	51.1
54	50.7	41.0	61.6

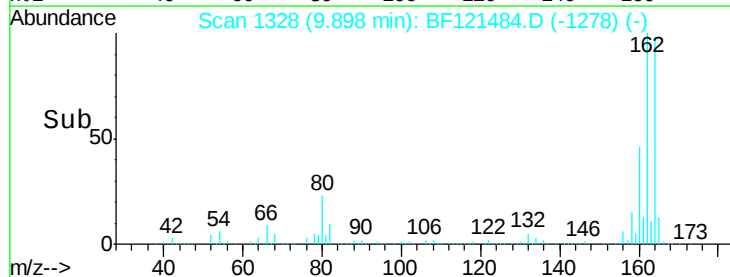
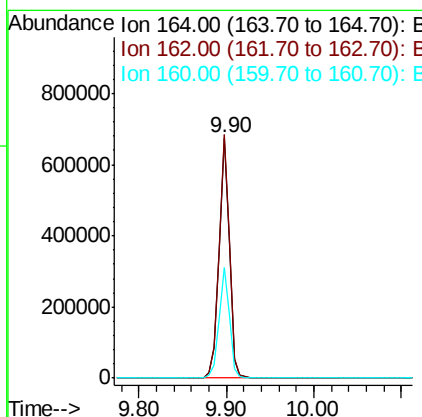
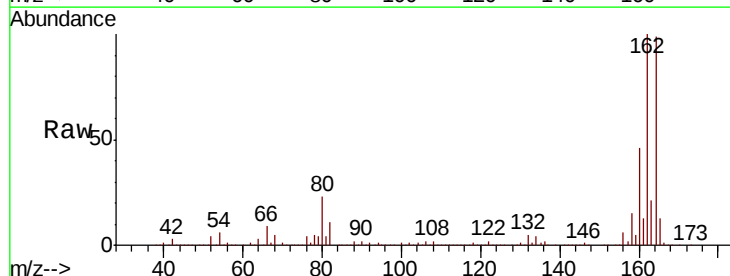
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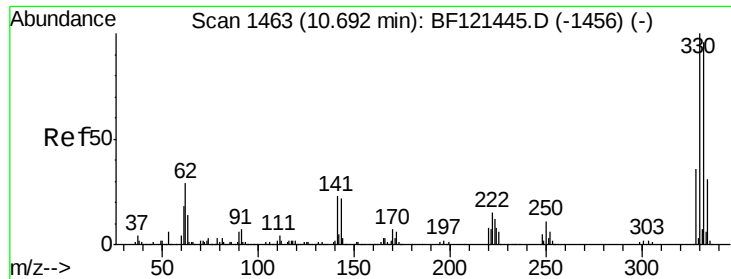
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF121484.D
 Acq: 31 Aug 2020 18:31

Tgt Ion	164	Resp	562369
Ion Ratio	100	Lower	Upper
164	100		
162	101.3	82.4	123.6
160	46.2	37.6	56.4





#42

2,4,6-Tribromophenol

Concen: 107.732 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF121484.D

Acq: 31 Aug 2020 18:31

Instrument :

BNA_F

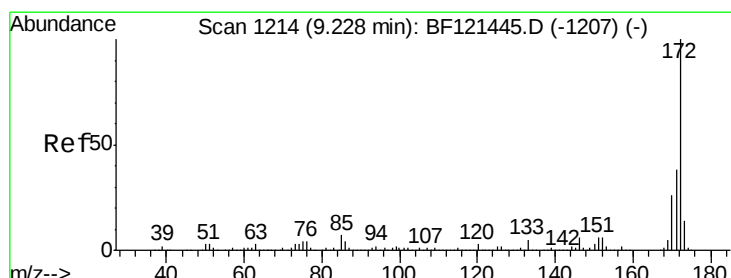
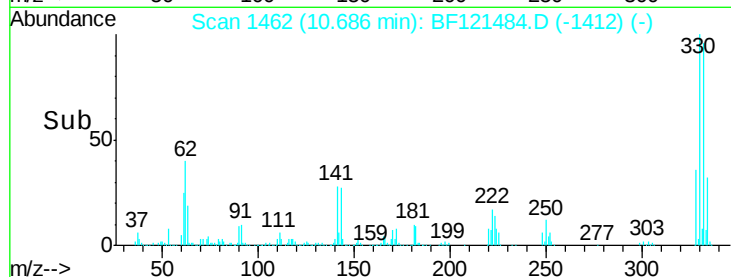
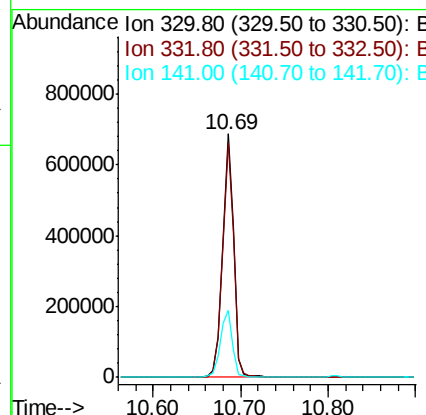
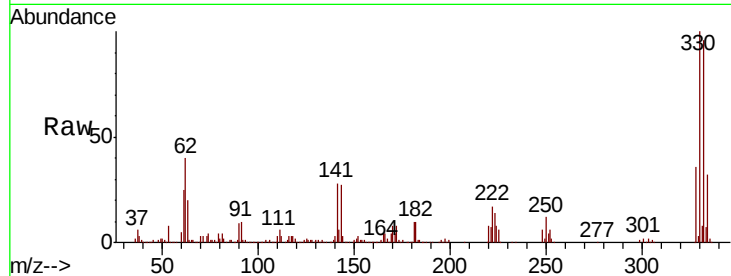
ClientSampleId :

LINDEN-JOP-BH-10-A

Tot Ion:	330	Resp:	611944
Ion Ratio	Lower	Upper	
330	100		
332	96.9	76.2	114.2
141	29.6	24.6	36.8

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#45

2-Fluorobiphenyl

Concen: 76.931 ng

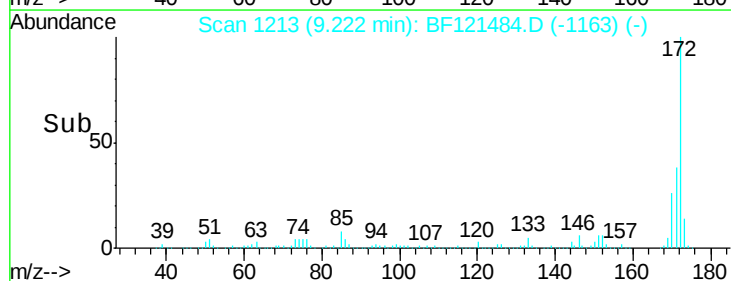
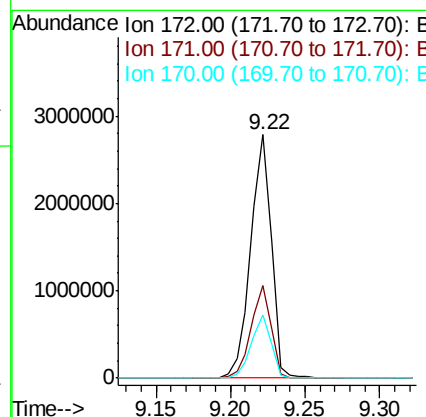
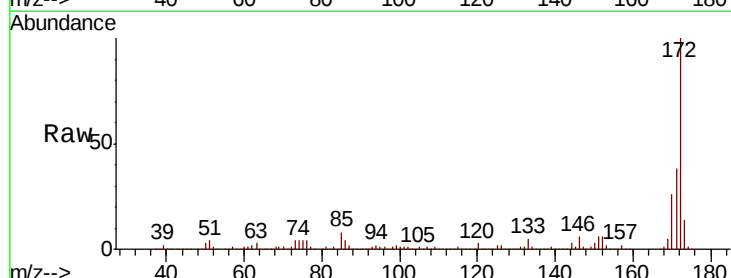
RT: 9.22 min Scan# 1213

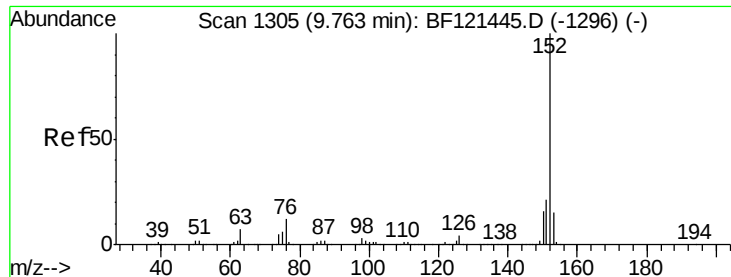
Delta R.T. -0.01 min

Lab File: BF121484.D

Acq: 31 Aug 2020 18:31

Tgt Ion:	172	Resp:	2681305
Ion Ratio	Lower	Upper	
172	100		
171	38.2	30.6	45.8
170	26.0	20.6	31.0





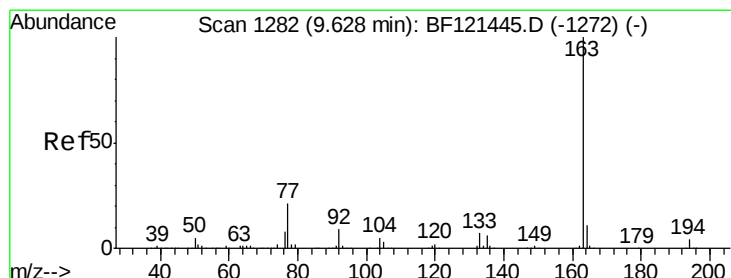
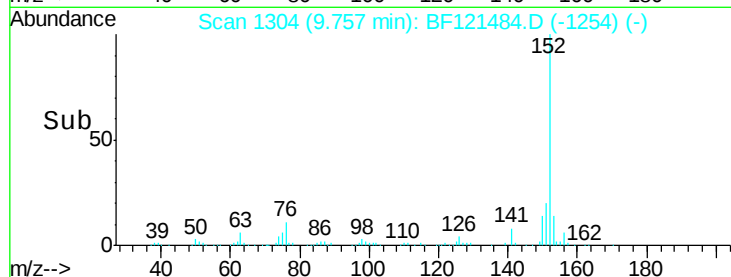
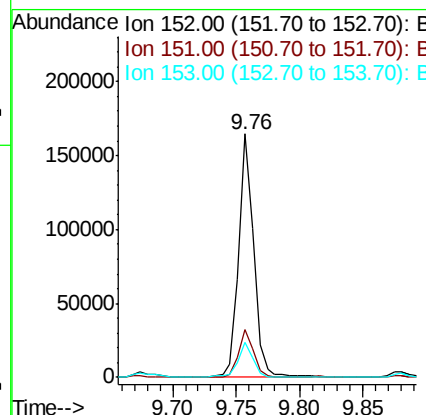
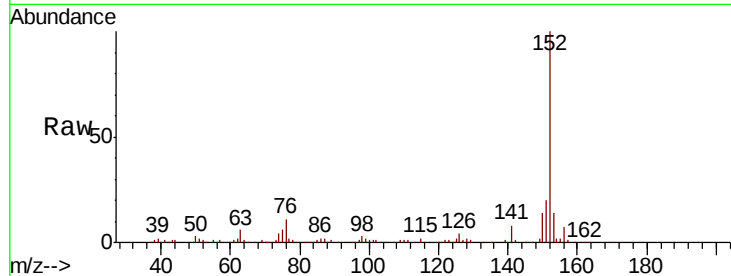
#49
Acenaphthylene
Concen: 2.565 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF121484.D
Acq: 31 Aug 2020 18:31

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

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	17.2	25.8
153	14.2	11.6	17.4

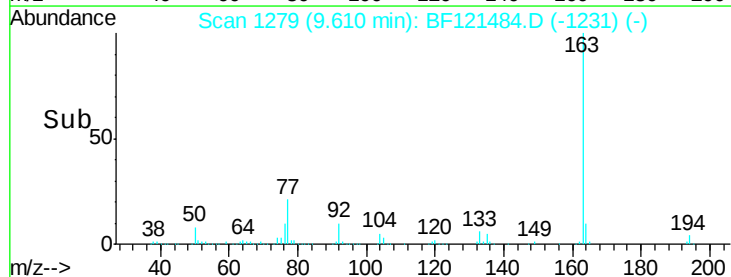
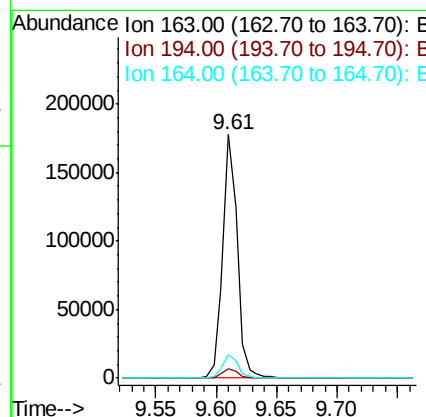
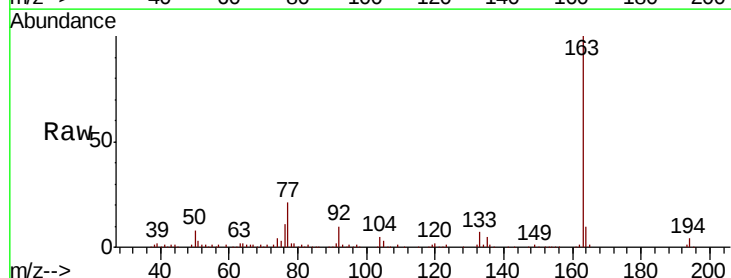
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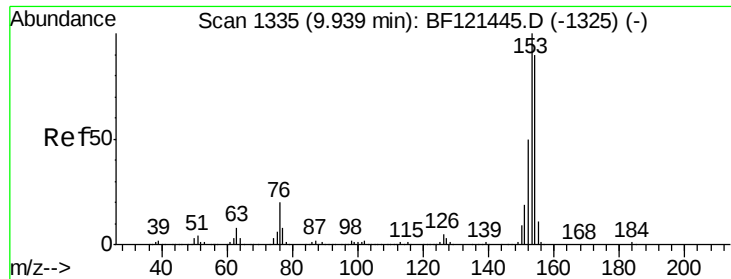
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#50
Dimethylphthalate
Concen: 3.815 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF121484.D
Acq: 31 Aug 2020 18:31

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.6	8.6	12.8





#52

Acenaphthene

Concen: 3.696 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF121484.D

Acq: 31 Aug 2020 18:31

Instrument :

BNA_F

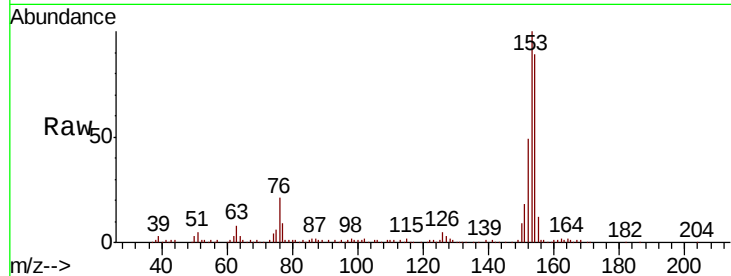
ClientSampleId :

LINDEN-JOP-BH-10-A

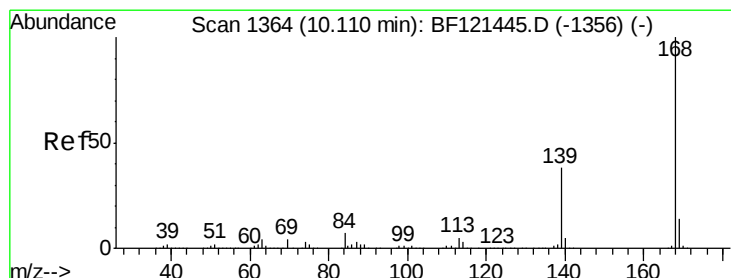
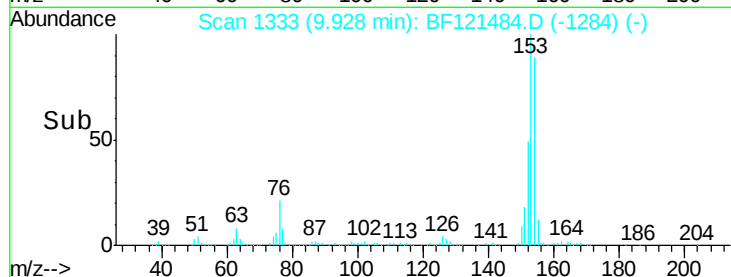
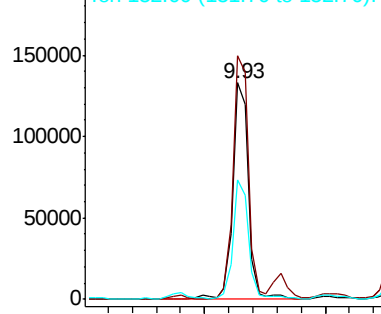
Tot Ion:	154	Resp:	122118
Ion Ratio	Lower	Upper	
154	100		
153	112.5	88.9	133.3
152	55.3	44.1	66.1

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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: 2.746 ng

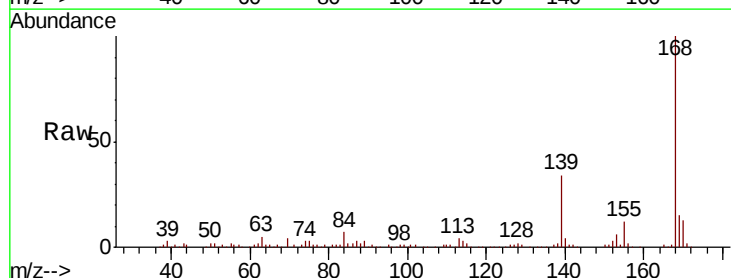
RT: 10.10 min Scan# 1363

Delta R.T. -0.01 min

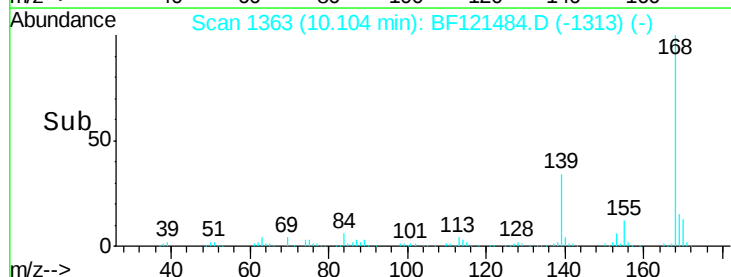
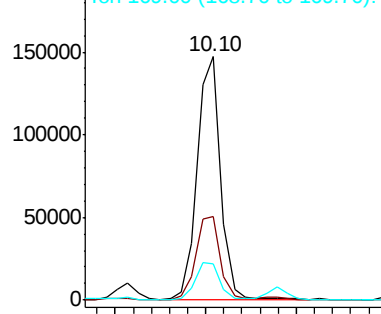
Lab File: BF121484.D

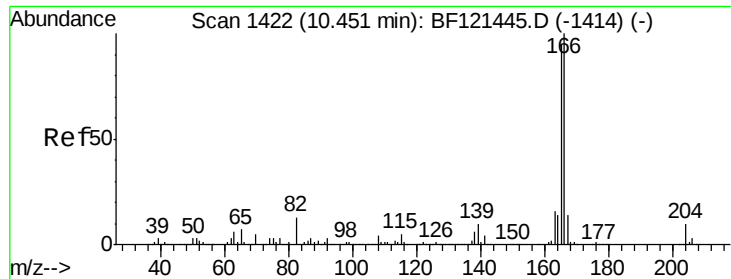
Acq: 31 Aug 2020 18:31

Tgt Ion:	168	Resp:	131800
Ion Ratio	Lower	Upper	
168	100		
139	34.1	30.1	45.1
169	14.9	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





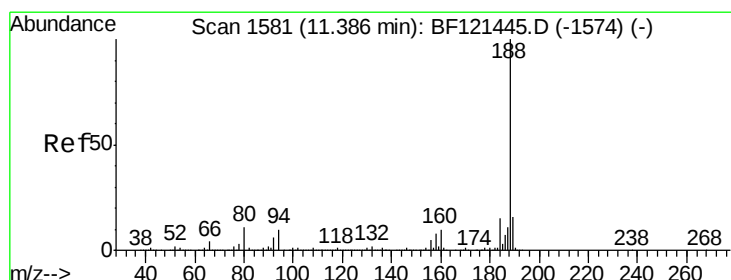
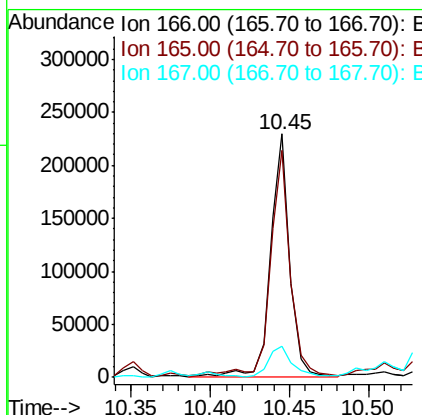
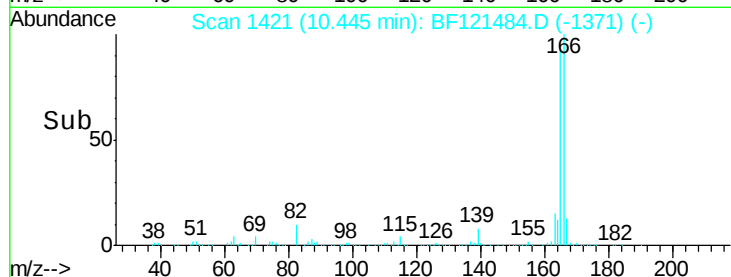
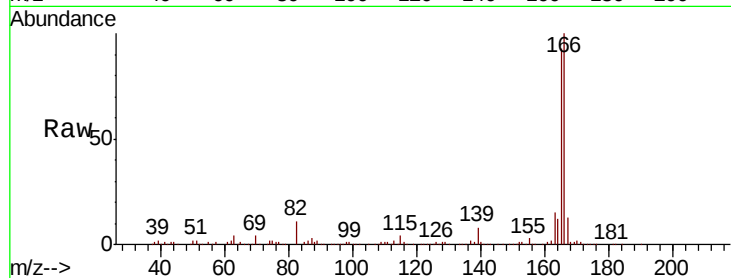
#58
Fluorene
 Concen: 5.295 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF121484.D
 Acq: 31 Aug 2020 18:31

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		191574		
165	93.4	75.7	113.5		
167	13.0	11.1	16.7		

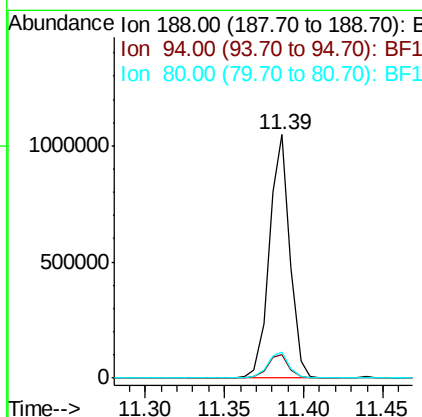
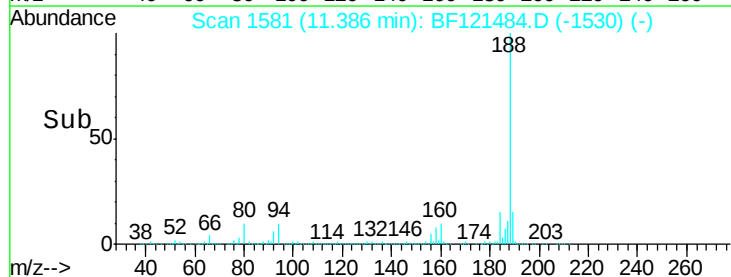
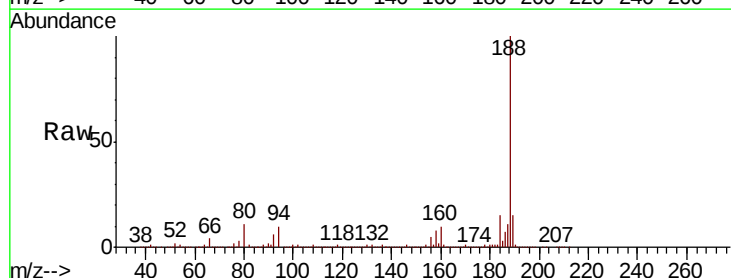
Manual Integrations
 APPROVED

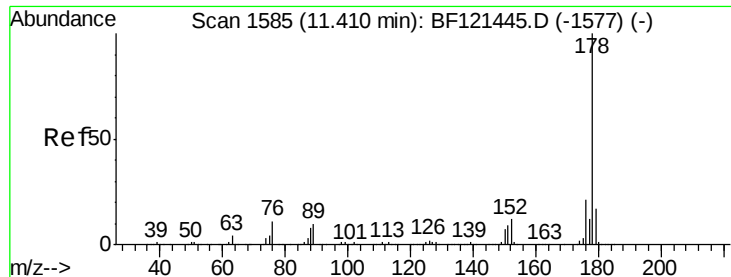
mohammad
 9/2/2020 1:55:59 PM



#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: BF121484.D
 Acq: 31 Aug 2020 18:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		947490		
94	9.8	8.3	12.5		
80	10.5	8.6	13.0		





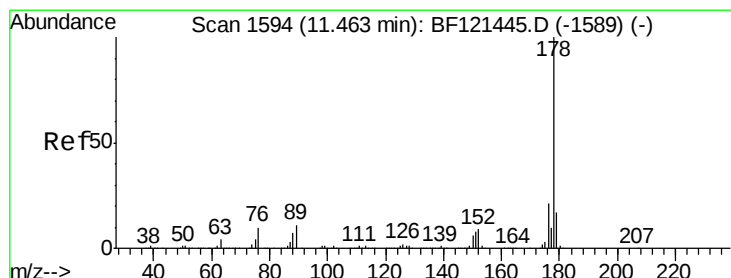
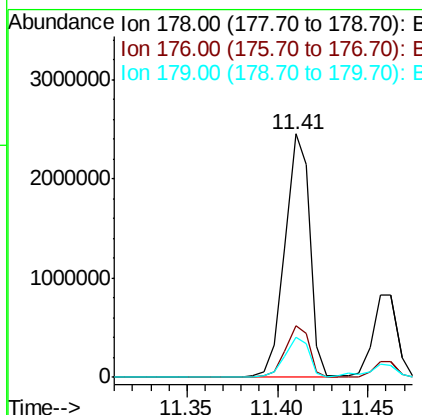
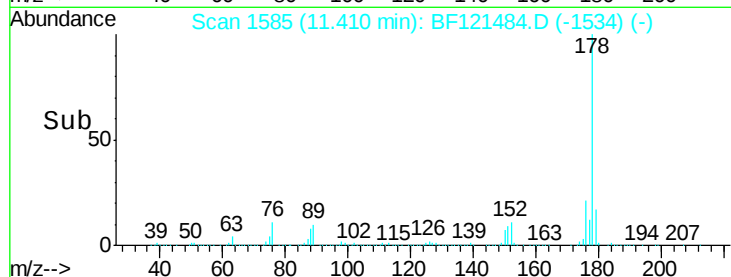
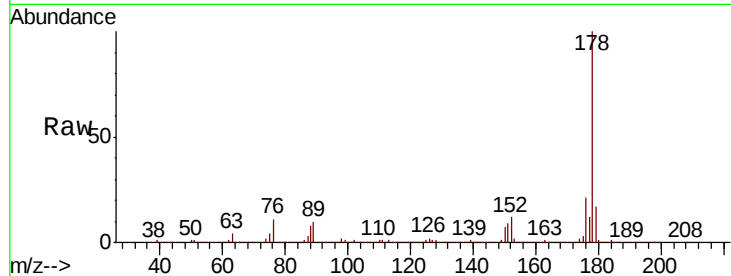
#71
Phenanthrene
Concen: 48.087 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF121484.D
Acq: 31 Aug 2020 18:31

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.2	16.9	25.3
179	16.7	13.4	20.0

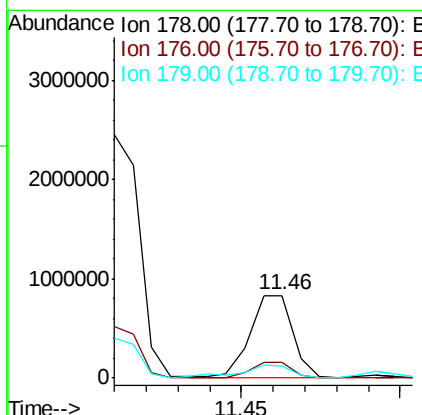
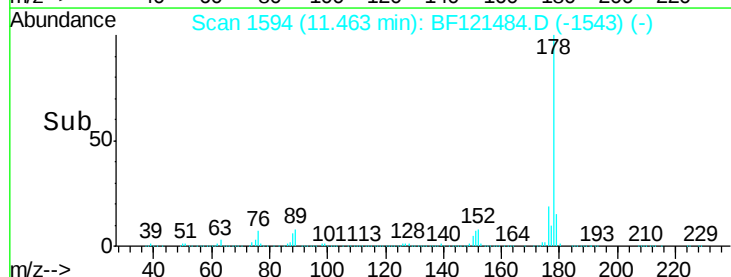
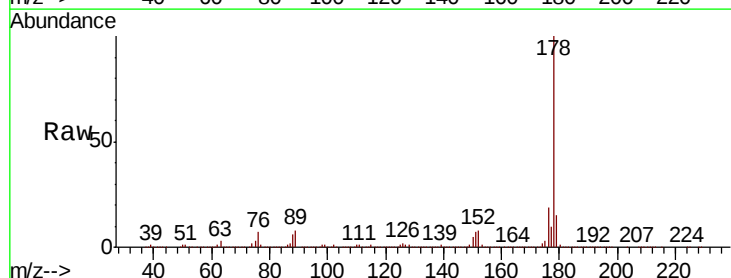
Manual Integrations
APPROVED

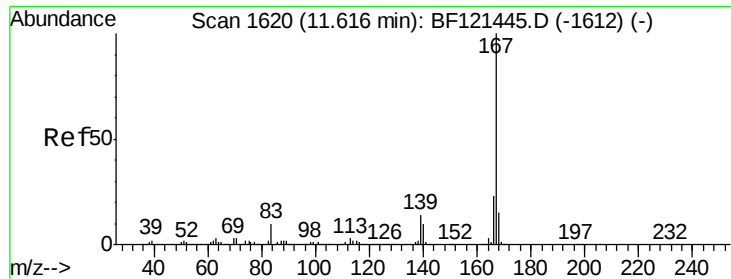
mohammad
9/2/2020 1:55:59 PM



#72
Anthracene
Concen: 16.148 ng
RT: 11.46 min Scan# 1594
Delta R.T. 0.00 min
Lab File: BF121484.D
Acq: 31 Aug 2020 18:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.7	25.1
179	15.2	13.4	20.2





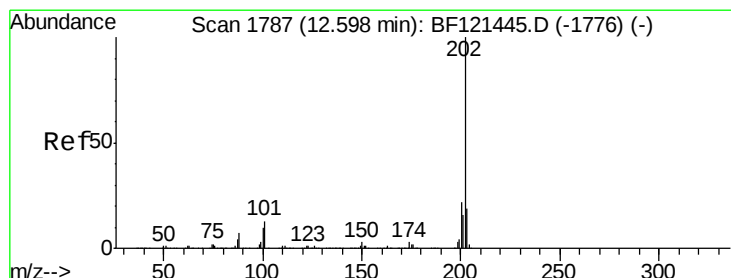
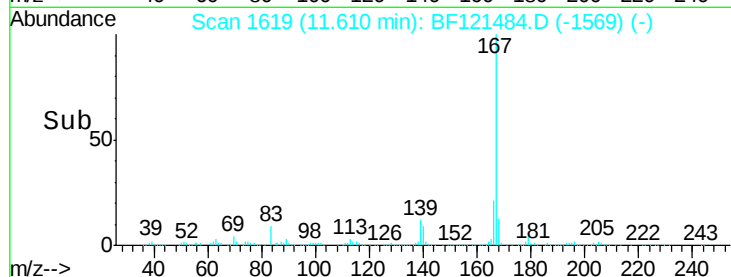
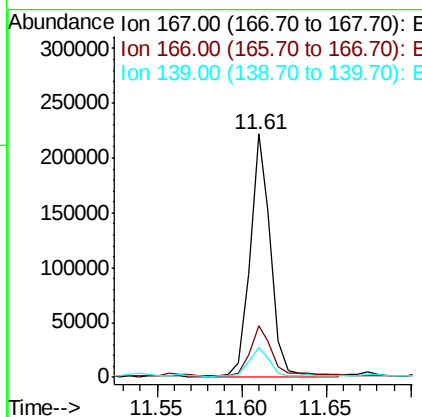
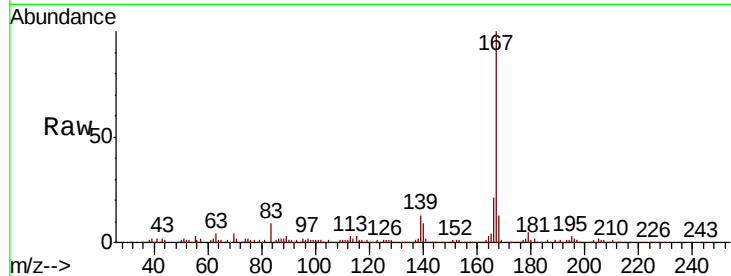
#73
 Carbazole
 Concen: 4.028 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF121484.D
 Acq: 31 Aug 2020 18:31

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

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.4	18.4	27.6
139	12.5	11.0	16.6

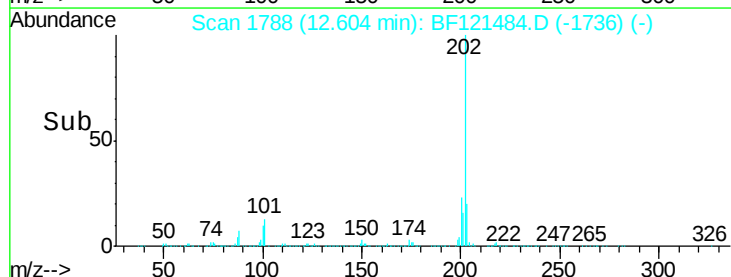
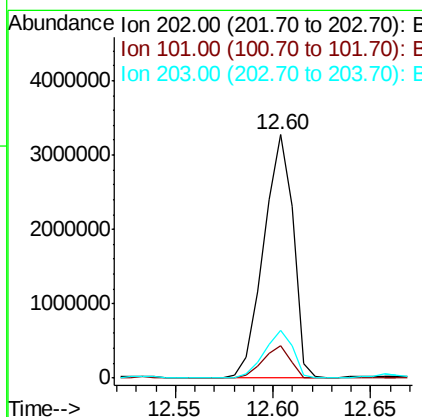
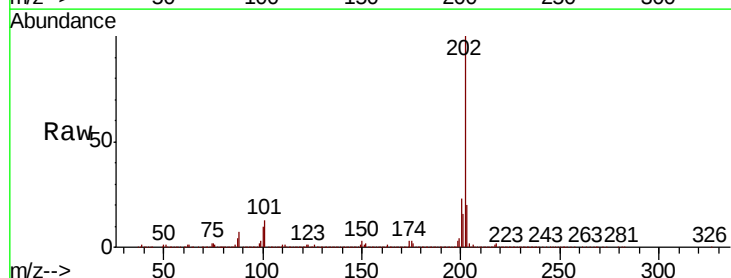
Manual Integrations
 APPROVED

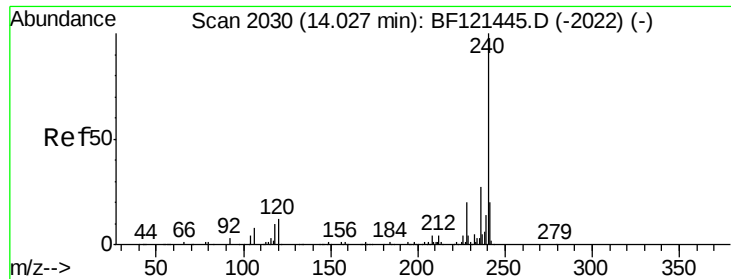
mohammad
 9/2/2020 1:55:59 PM



#75
 Fluoranthene
 Concen: 64.772 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. 0.01 min
 Lab File: BF121484.D
 Acq: 31 Aug 2020 18:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	33.3
203	19.6	0.0	39.1





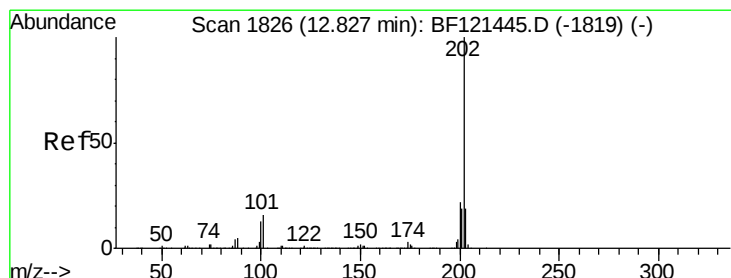
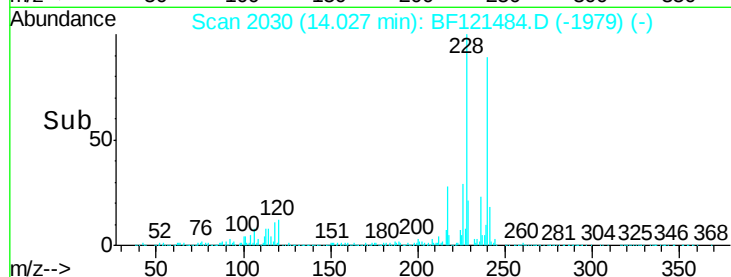
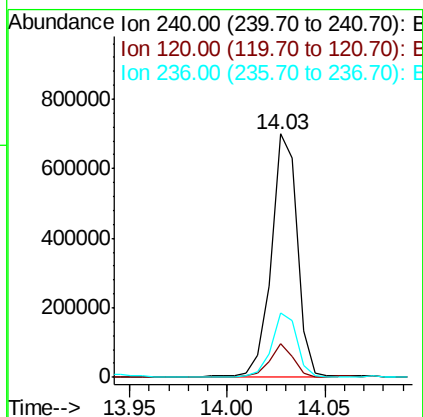
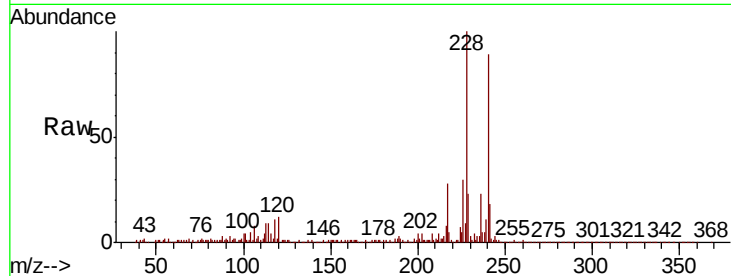
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF121484.D
Acq: 31 Aug 2020 18:31

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

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.7	9.5	14.3
236	26.3	21.8	32.6

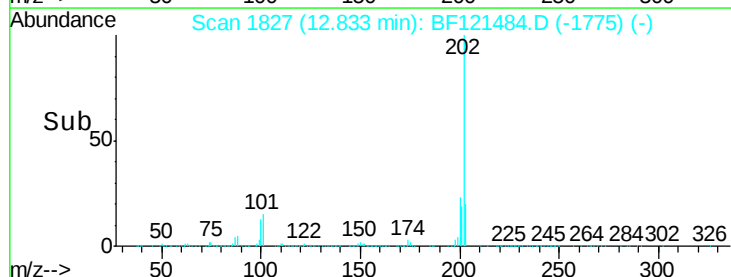
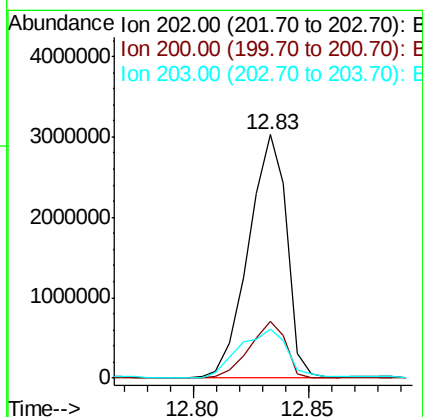
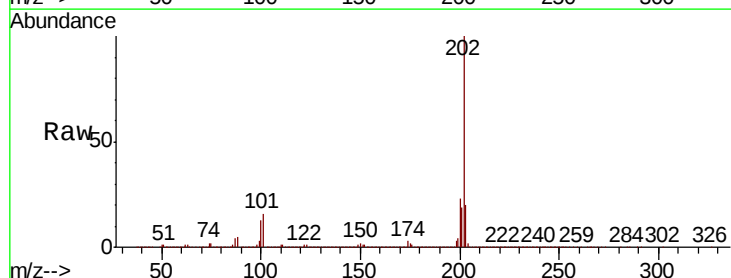
Manual Integrations
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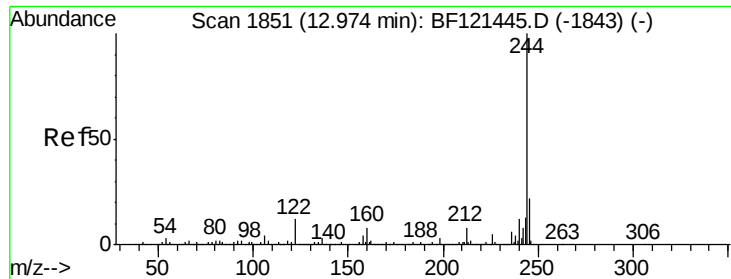
mohammad
9/2/2020 1:55:59 PM



#78
Pyrene
Concen: 76.251 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF121484.D
Acq: 31 Aug 2020 18:31

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.2	18.0	27.0
203	20.0	15.3	22.9





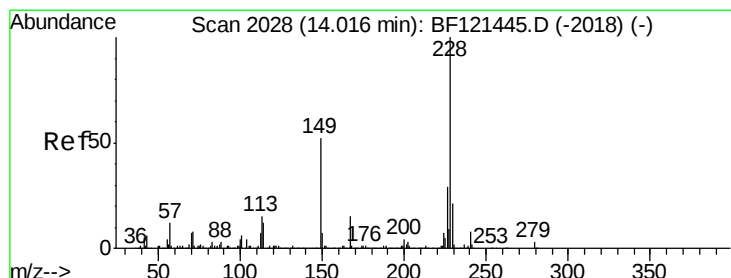
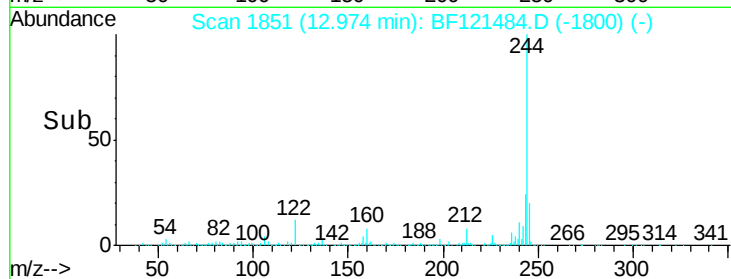
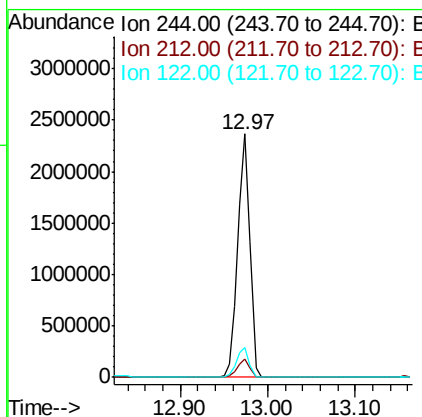
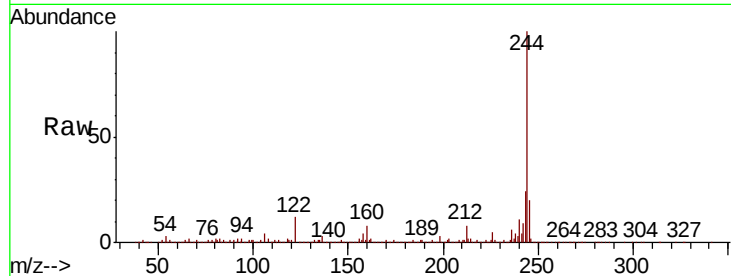
#79
 Terphenyl-d14
 Concen: 73.641 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: BF121484.D
 Acq: 31 Aug 2020 18:31

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.3	9.5
122	12.3	9.5	14.3

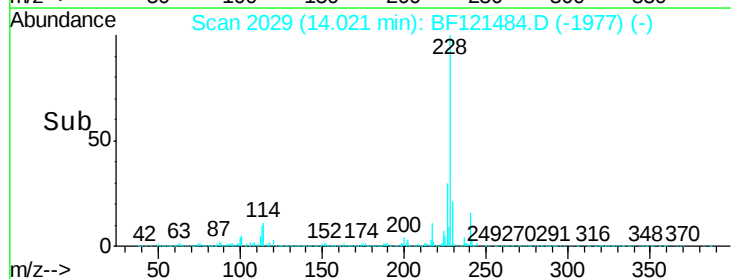
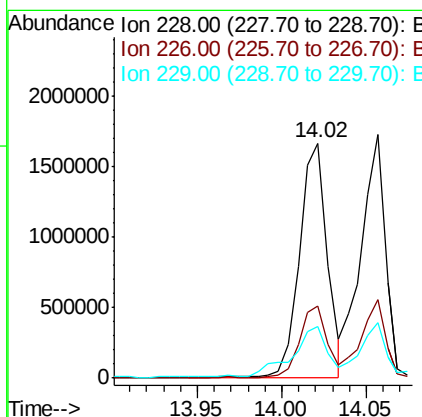
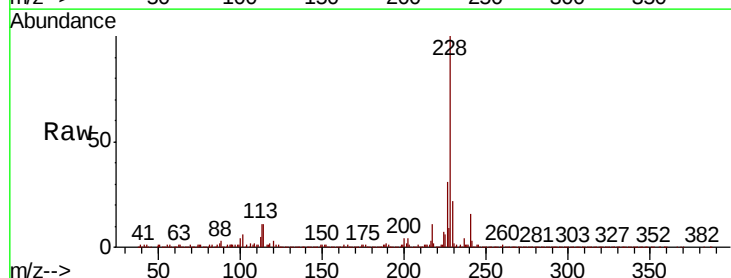
Manual Integrations
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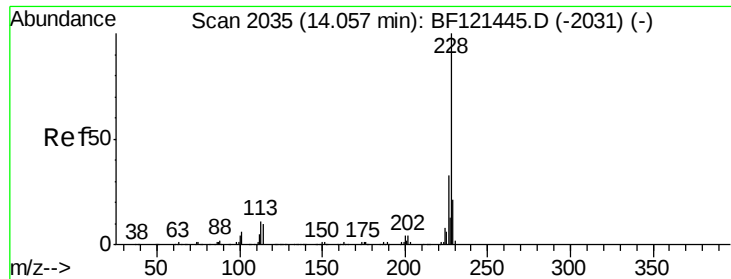
mohammad
 9/2/2020 1:55:59 PM



#81
 Benzo(a)anthracene
 Concen: 48.333 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. 0.01 min
 Lab File: BF121484.D
 Acq: 31 Aug 2020 18:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.0	34.4
229	21.7	16.6	24.8





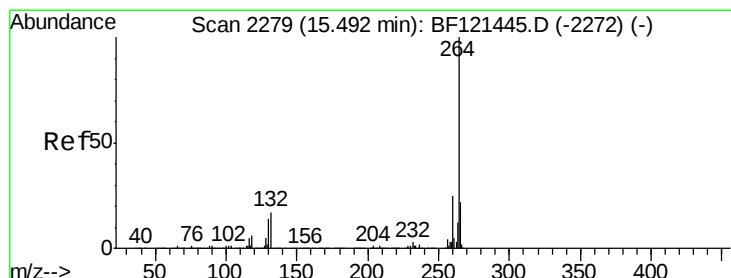
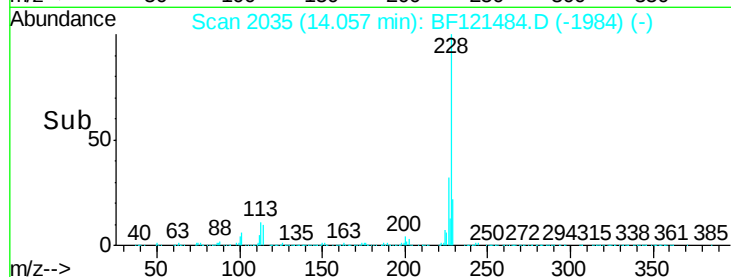
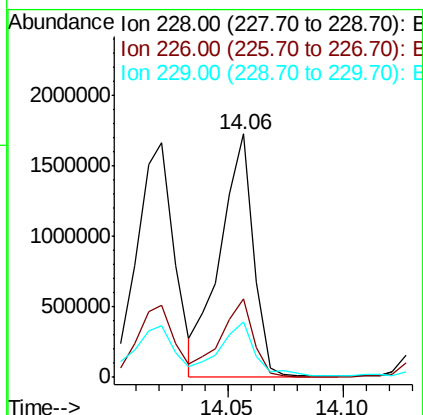
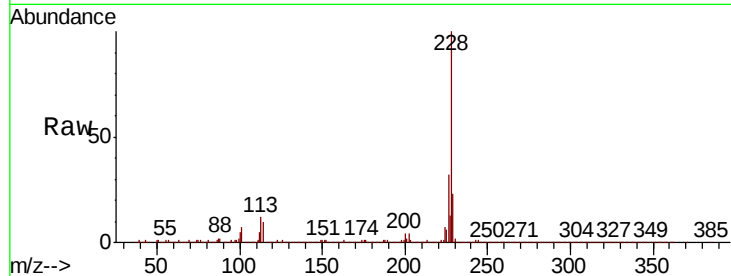
#83
Chrysene
Concen: 44.140 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BF121484.D
Acq: 31 Aug 2020 18:31

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

Tot Ion:228 Resp: 1726604
Ion Ratio Lower Upper
228 100
226 32.2 26.2 39.2
229 23.0 16.6 25.0

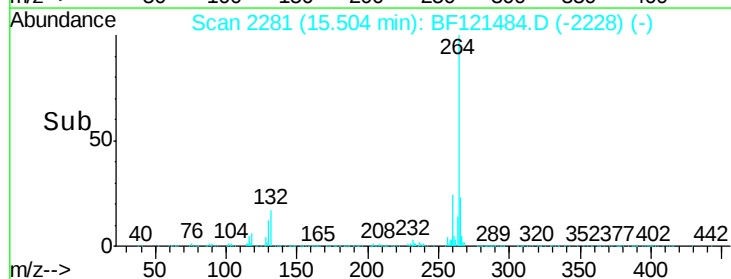
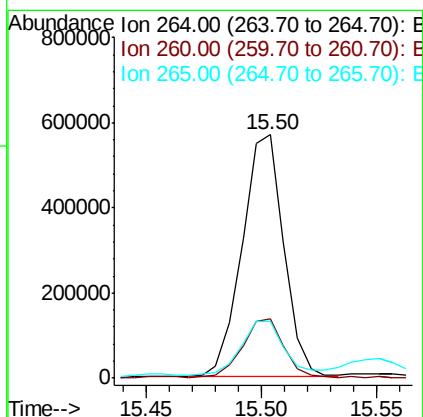
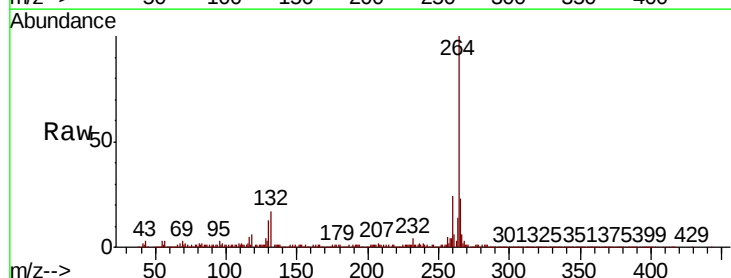
Manual Integrations
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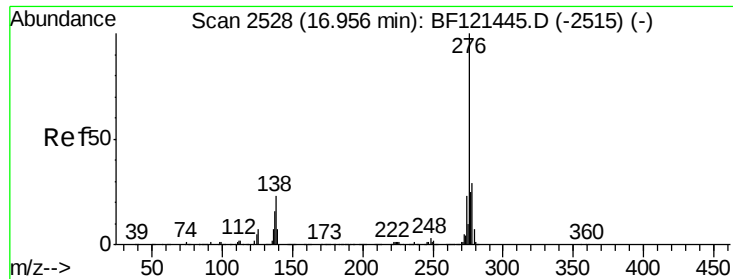
mohammad
9/2/2020 1:55:59 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF121484.D
Acq: 31 Aug 2020 18:31

Tgt Ion:264 Resp: 716497
Ion Ratio Lower Upper
264 100
260 24.3 19.6 29.4
265 23.4 17.8 26.6





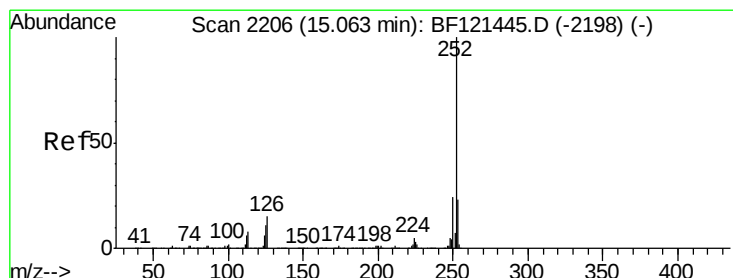
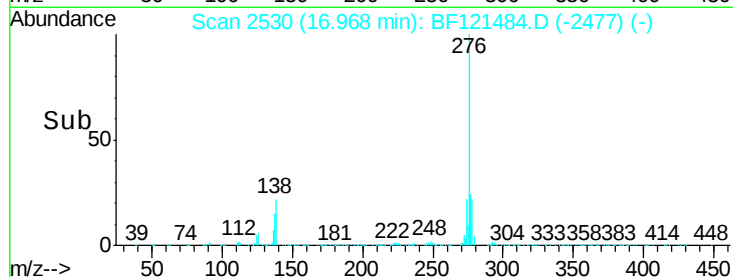
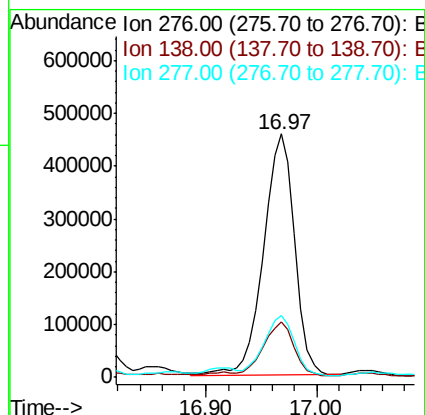
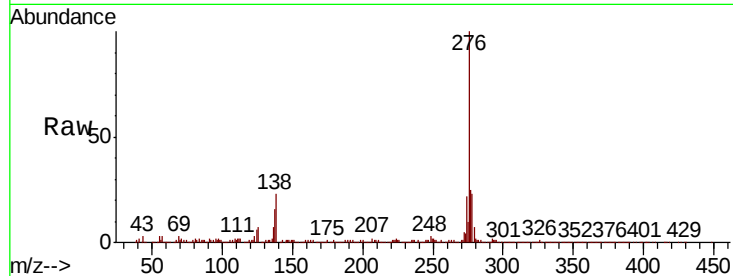
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 20.451 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. 0.01 min
 Lab File: BF121484.D
 Acq: 31 Aug 2020 18:31

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.5	20.6	31.0
277	24.0	20.5	30.7

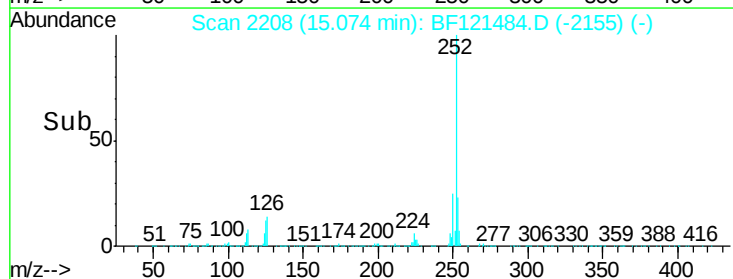
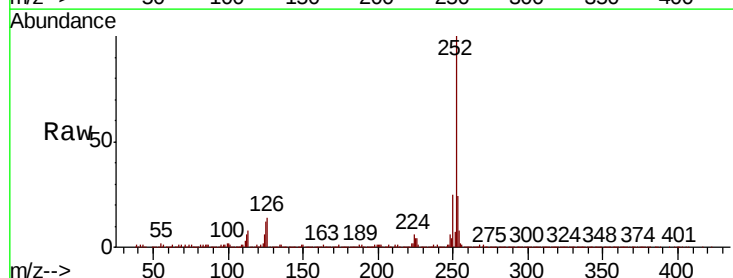
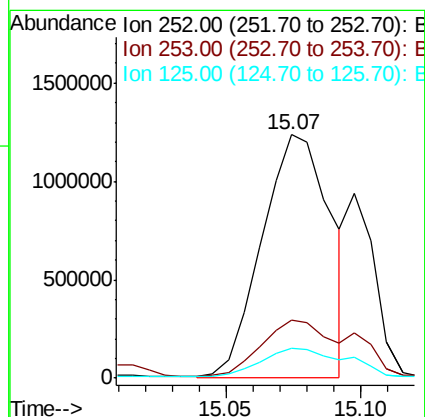
Manual Integrations
 APPROVED

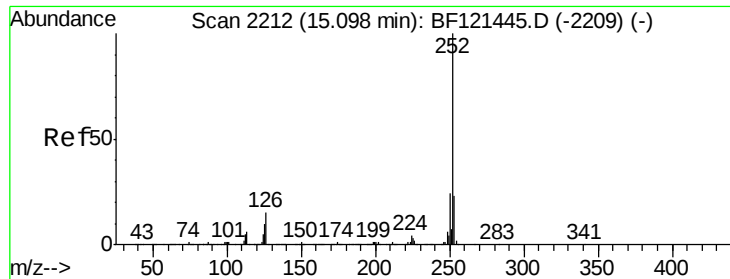
mohammad
 9/2/2020 1:55:59 PM



#88
 Benzo(b)fluoranthene
 Concen: 47.084 ng m
 RT: 15.07 min Scan# 2208
 Delta R.T. 0.01 min
 Lab File: BF121484.D
 Acq: 31 Aug 2020 18:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.3	27.5
125	12.0	9.2	13.8





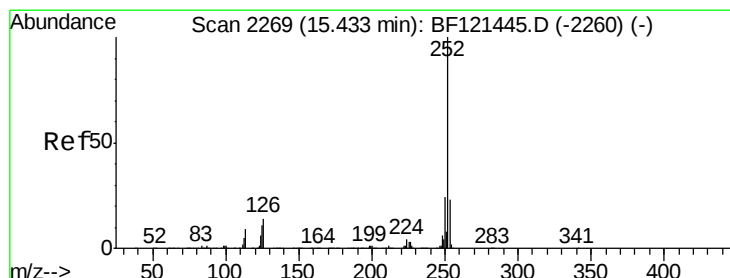
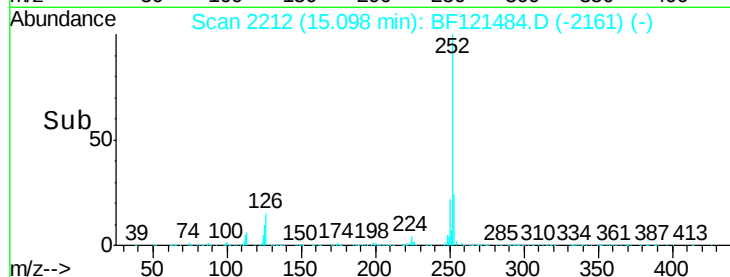
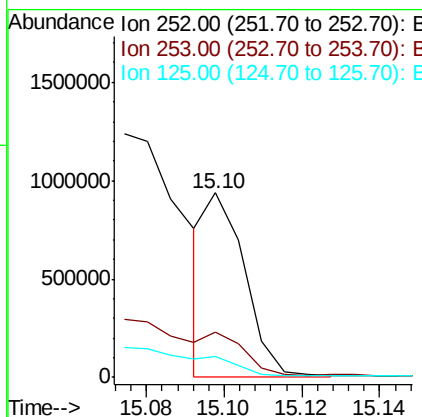
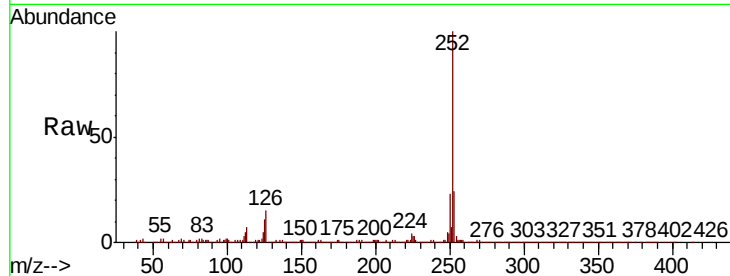
#89
Benzo(k)fluoranthene
Concen: 15.247 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.00 min
Lab File: BF121484.D
Acq: 31 Aug 2020 18:31

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.3	27.5
125	11.1	8.5	12.7

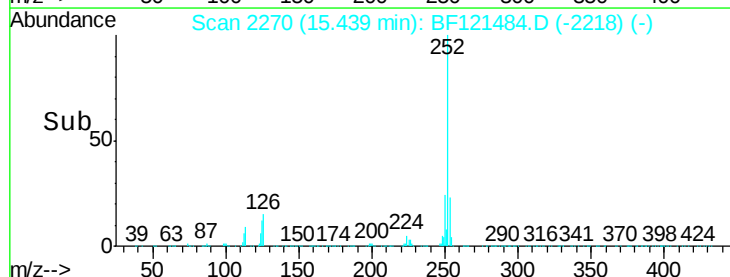
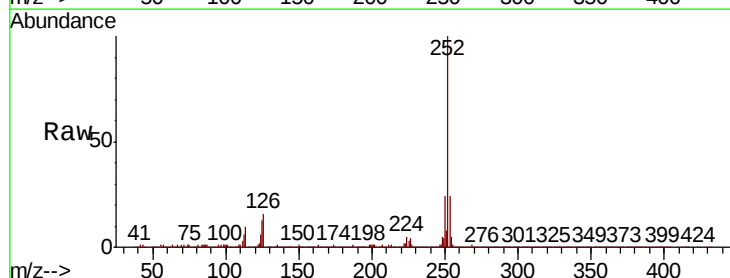
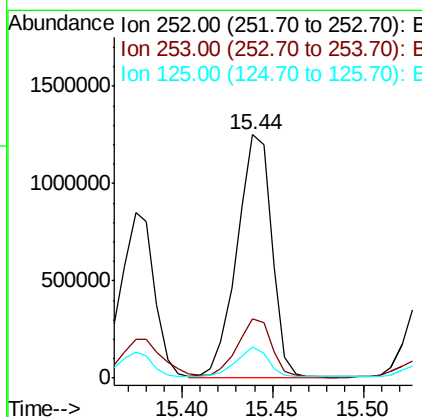
Manual Integrations
APPROVED

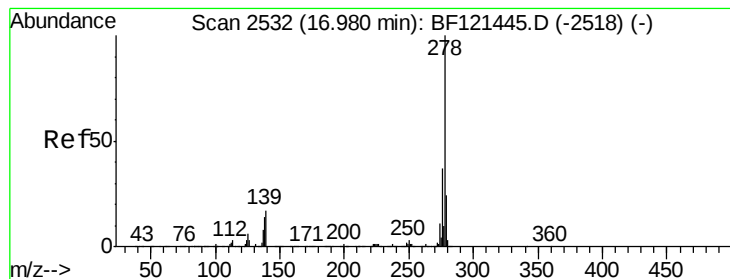
mohammad
9/2/2020 1:55:59 PM



#90
Benzo(a)pyrene
Concen: 39.674 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF121484.D
Acq: 31 Aug 2020 18:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	12.6	9.0	13.4





#91

Dibenzo(a,h)anthracene

Concen: 6.559 ng

RT: 16.97 min Scan# 2531

Delta R.T. -0.01 min

Lab File: BF121484.D

Acq: 31 Aug 2020 18:31

Instrument :

BNA_F

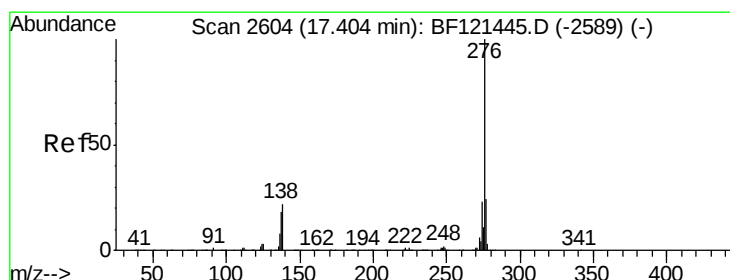
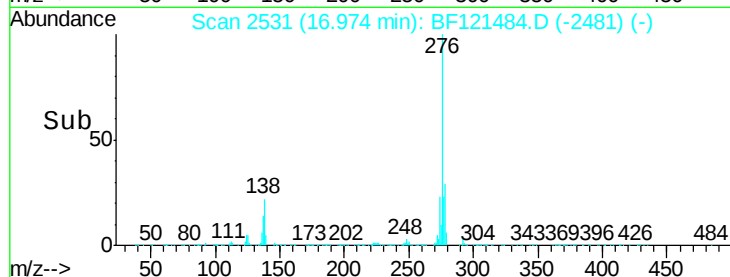
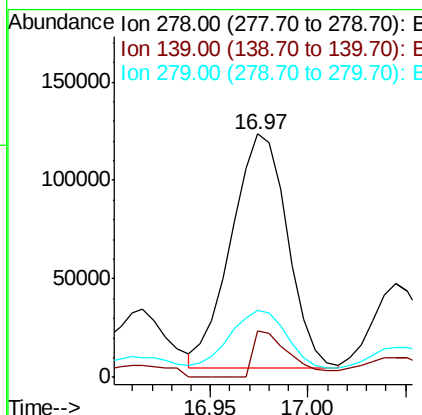
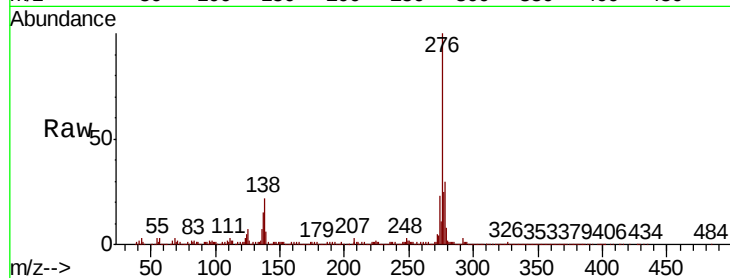
ClientSampleId :

LINDEN-JOP-BH-10-A

Tot Ion:	278	Resp:	236690
Ion Ratio	Lower	Upper	
278	100		
139	19.2	13.3	19.9
279	27.4	19.4	29.0

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 23.965 ng

RT: 17.41 min Scan# 2605

Delta R.T. 0.01 min

Lab File: BF121484.D

Acq: 31 Aug 2020 18:31

Tgt Ion:	276	Resp:	833072
Ion Ratio	Lower	Upper	
276	100		
277	24.3	18.9	28.3
138	23.6	17.4	26.0

