

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF083120\
 Data File : BF121489.D
 Acq On : 31 Aug 2020 21:04
 Operator : JU/CG
 Sample : L3847-29
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-12-C

Manual Integrations
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Quant Time: Sep 10 12:33:29 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	294338	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1029341	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	495263	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	796357	20.00	ng	0.00
76) Chrysene-d12	14.03	240	620817	20.00	ng	0.00
86) Perylene-d12	15.50	264	601813	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1464415	83.47	ng	0.00
7) Phenol-d6	6.49	99	1892507	77.19	ng	0.00
23) Nitrobenzene-d5	7.42	82	1197919	79.56	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	434928	86.94	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1959400	63.84	ng	0.00
79) Terphenyl-d14	12.97	244	1454992	49.33	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.62	163	527238	15.498	ng	98
71) Phenanthrene	11.41	178	331943	8.122	ng	96
75) Fluoranthene	12.60	202	435666	9.891	ng	97
78) Pyrene	12.83	202	522352	11.781	ng	96
81) Benzo(a)anthracene	14.02	228	287847	7.595	ng	96
83) Chrysene	14.05	228	281439	7.423	ng	95
87) Indeno(1,2,3-cd)pyrene	16.97	276	167504	4.524	ng	98
88) Benzo(b)fluoranthene	15.07	252	354777m	9.063	ng	
90) Benzo(a)pyrene	15.44	252	319759	9.084	ng	# 94
92) Benzo(g,h,i)perylene	17.42	276	245520	8.409	ng	97

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

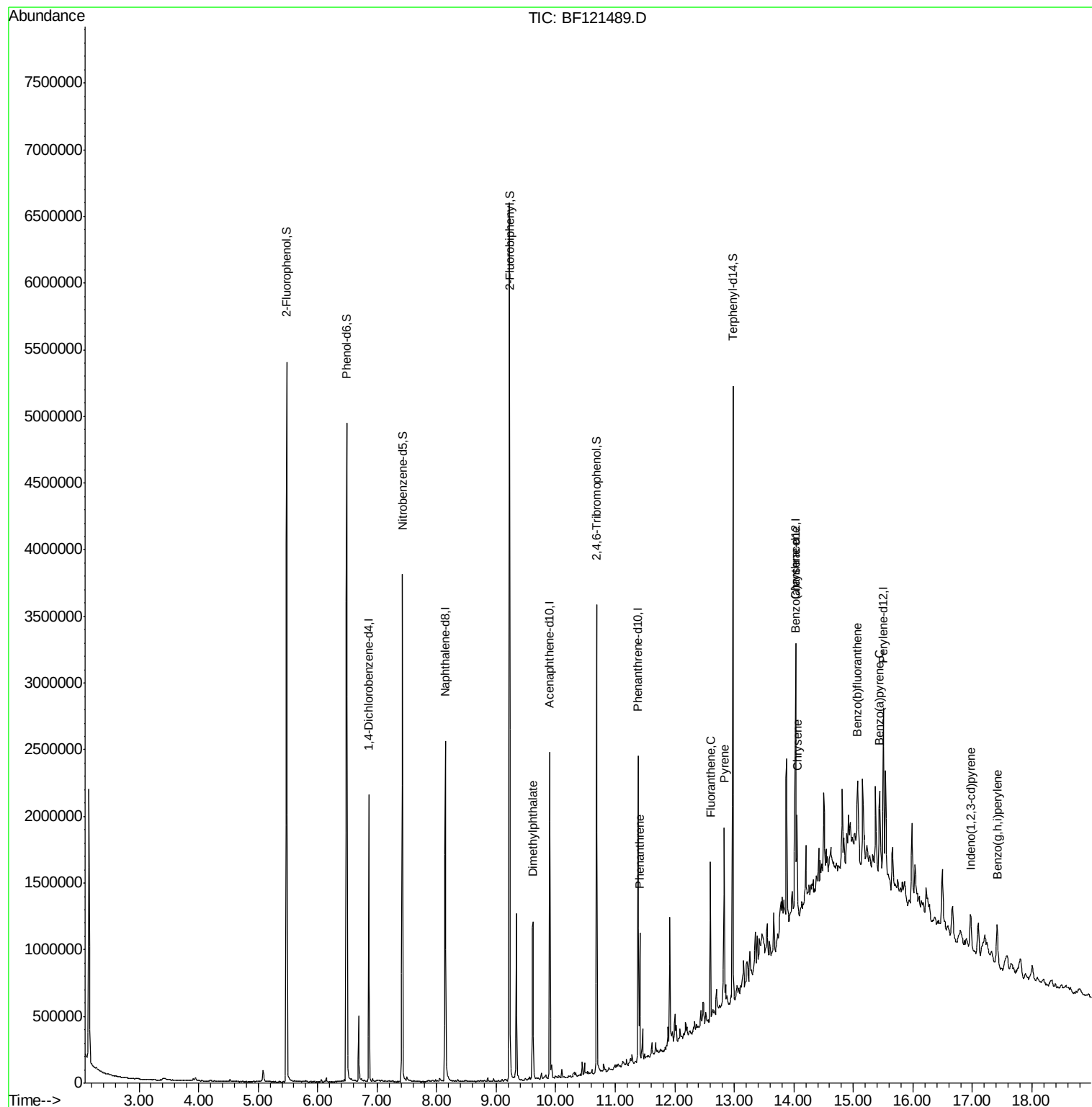
Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF083120\
Data File : BF121489.D
Acq On : 31 Aug 2020 21:04
Operator : JU/CG
Sample : L3847-29
Misc :
ALS Vial : 18 Sample Multiplier: 1

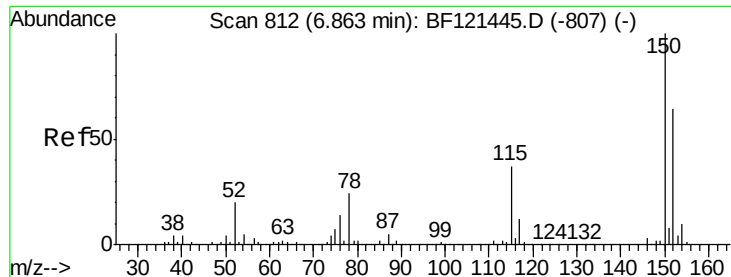
Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-12-C

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Quant Time: Sep 10 12:33:29 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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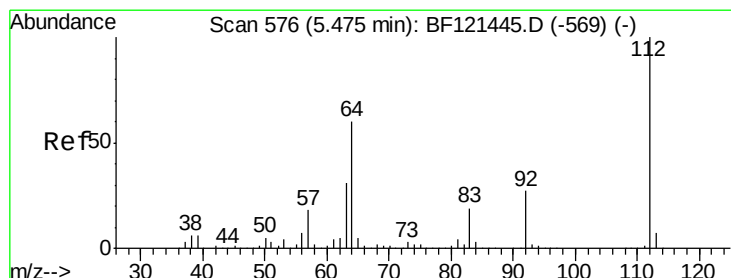
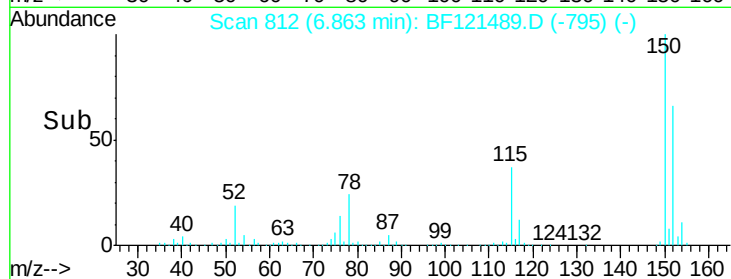
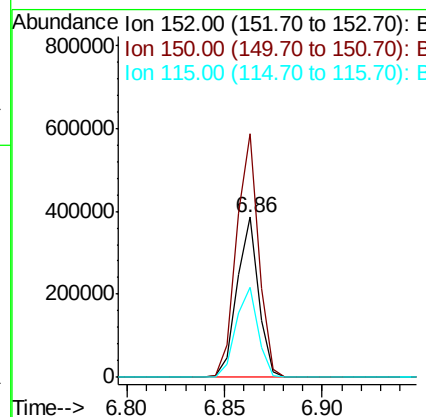
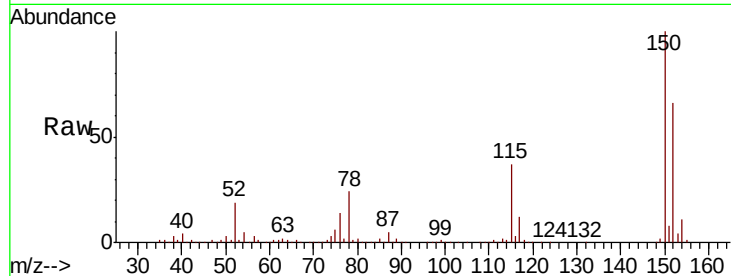
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: BF121489.D
 Acq: 31 Aug 2020 21:04

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-12-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.2	125.8	188.6
115	56.1	46.6	69.8

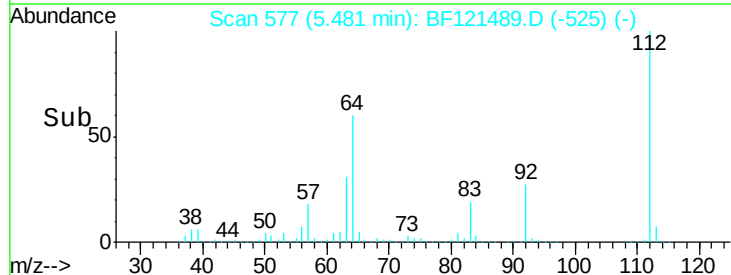
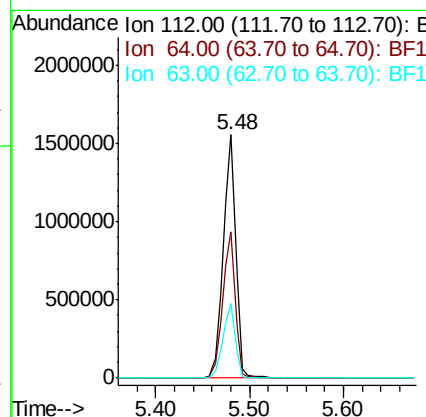
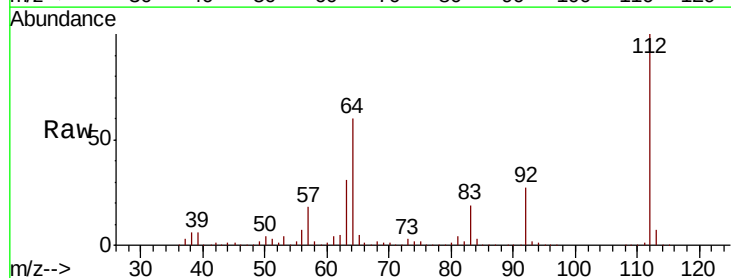
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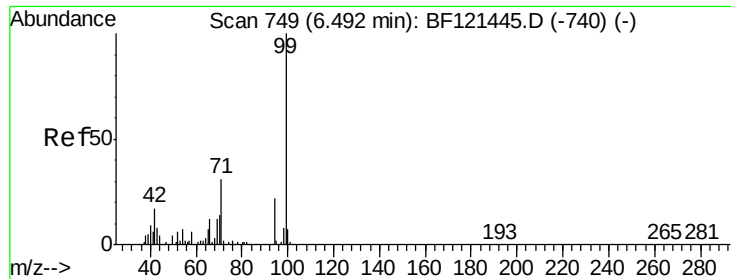
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#5
 2-Fluorophenol
 Concen: 83.473 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: BF121489.D
 Acq: 31 Aug 2020 21:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	48.2	72.2
63	30.7	24.8	37.2





#7

Phenol-d6

Concen: 77.192 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF121489.D

Acq: 31 Aug 2020 21:04

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-12-C

Tot Ion: 99 Resp: 1892507

Ion Ratio Lower Upper

99 100

42 17.4 13.5 20.3

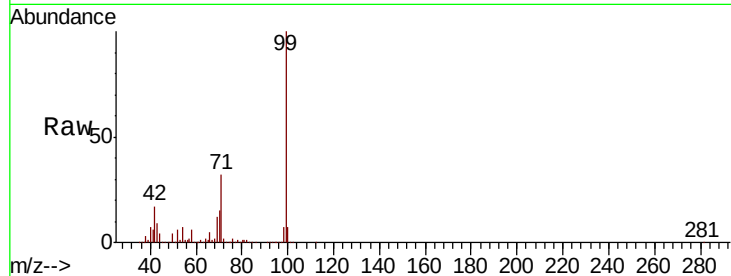
71 31.7 24.6 37.0

Manual Integrations

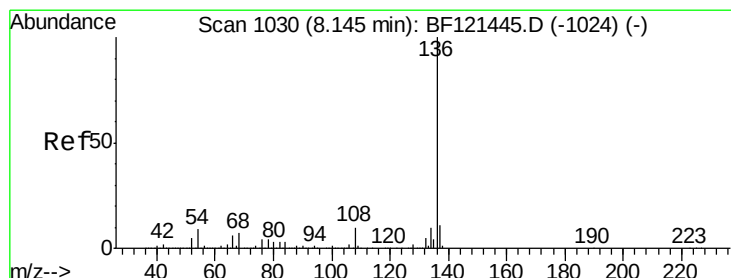
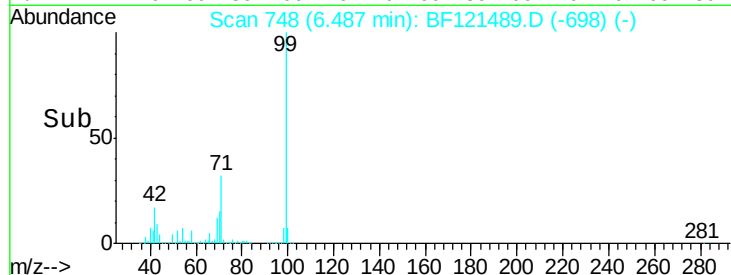
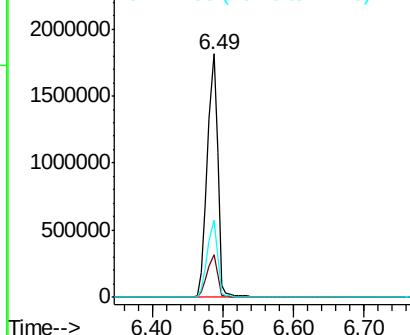
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF121489.D

Acq: 31 Aug 2020 21:04

Tgt Ion: 136 Resp: 1029341

Ion Ratio Lower Upper

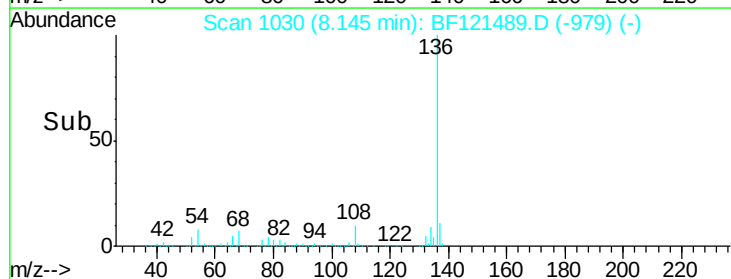
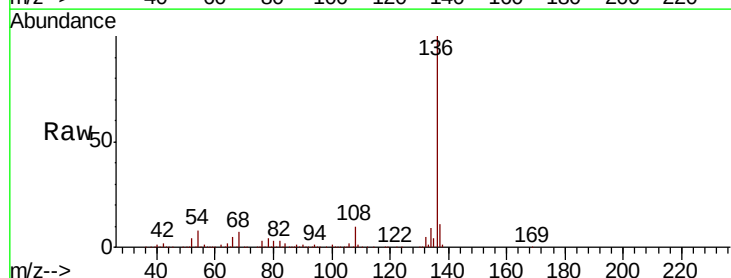
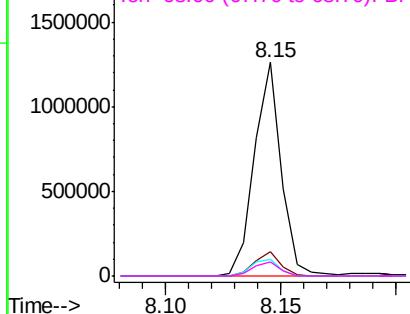
136 100

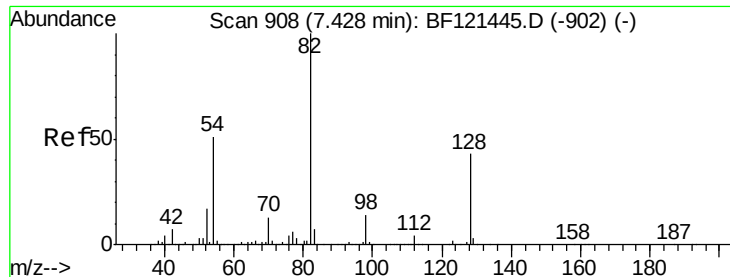
137 11.2 9.1 13.7

54 8.0 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





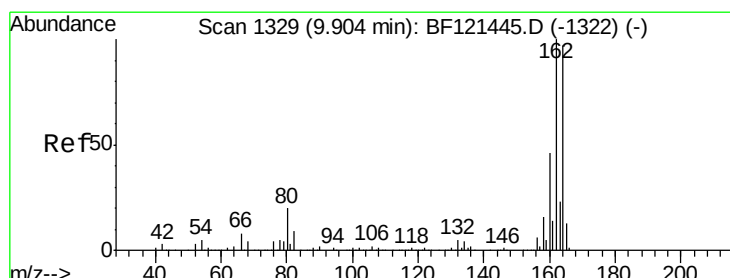
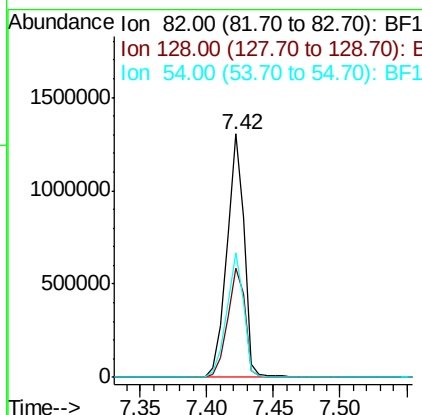
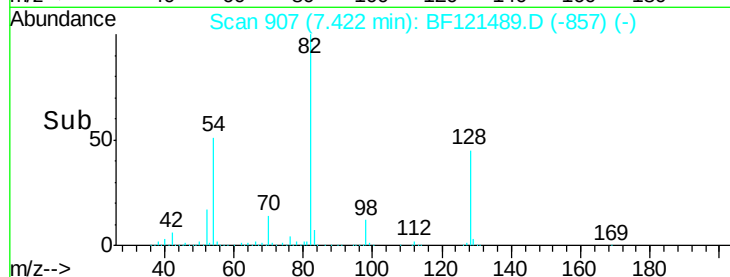
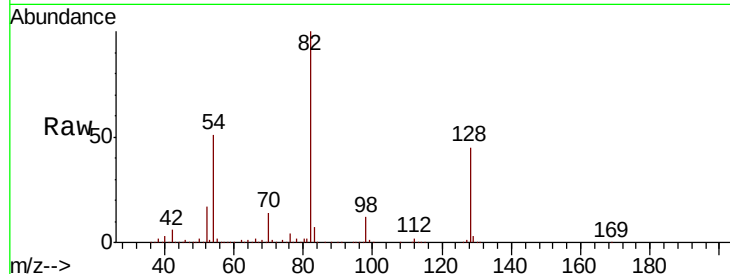
#23
 Nitrobenzene-d5
 Concen: 79.562 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF121489.D
 Acq: 31 Aug 2020 21:04

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-12-C

Tot Ion	82	Resp	1197919
Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.1	51.1
54	51.2	41.0	61.6

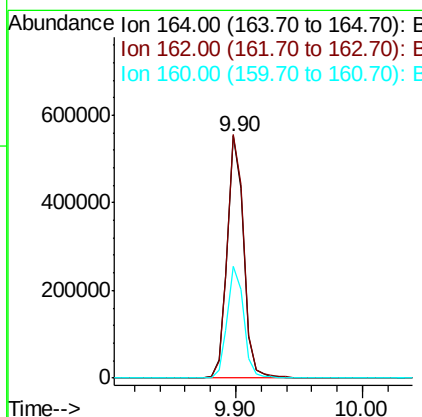
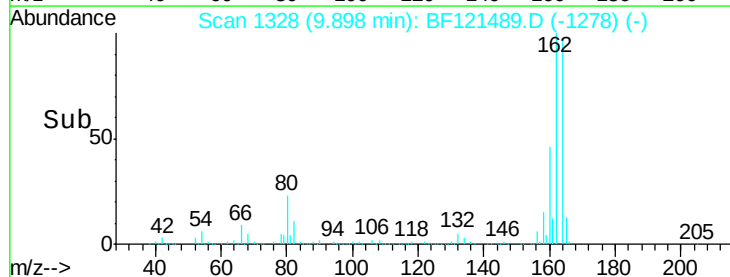
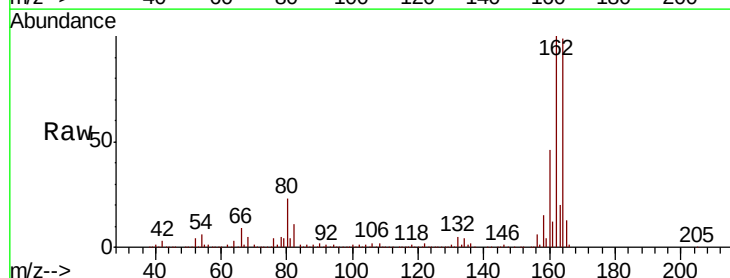
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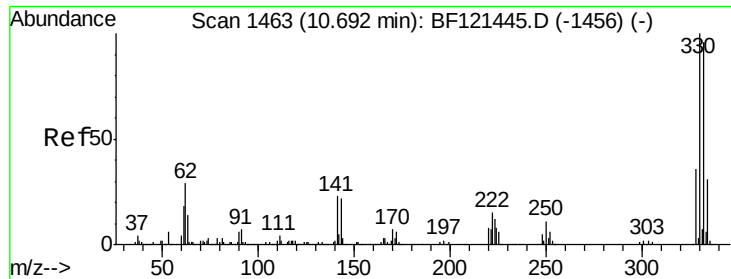
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF121489.D
 Acq: 31 Aug 2020 21:04

Tgt Ion	164	Resp	495263
Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.4	123.6
160	46.2	37.6	56.4





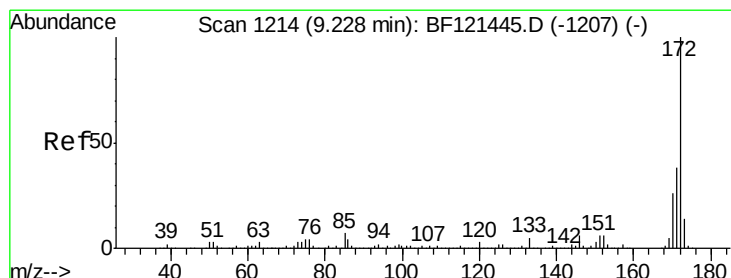
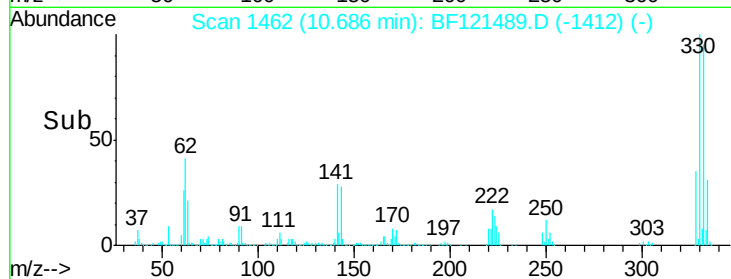
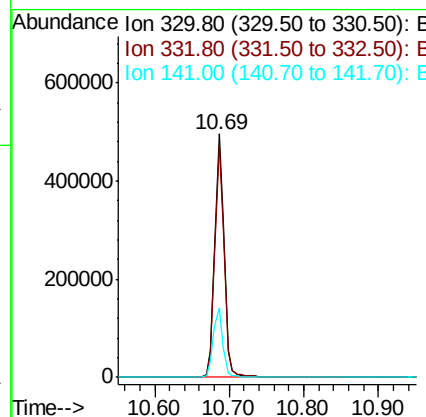
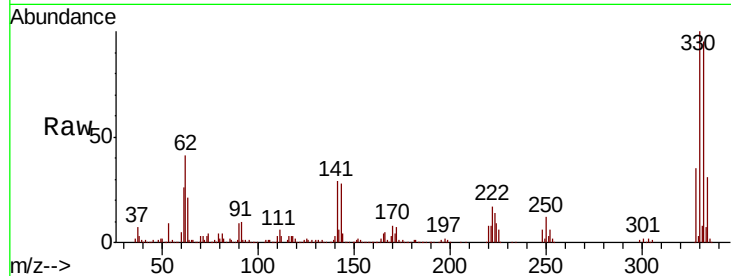
#42
 2,4,6-Tribromophenol
 Concen: 86.944 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF121489.D
 Acq: 31 Aug 2020 21:04

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-12-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	434928		
332	95.0	76.2	114.2	
141	29.5	24.6	36.8	

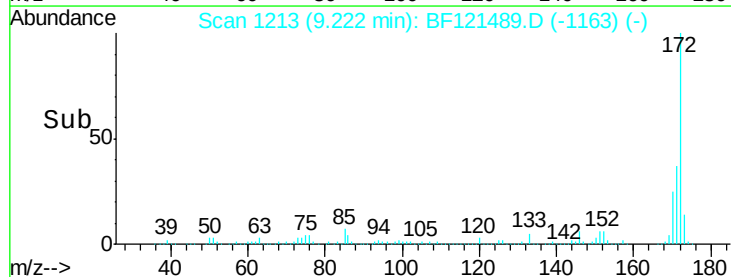
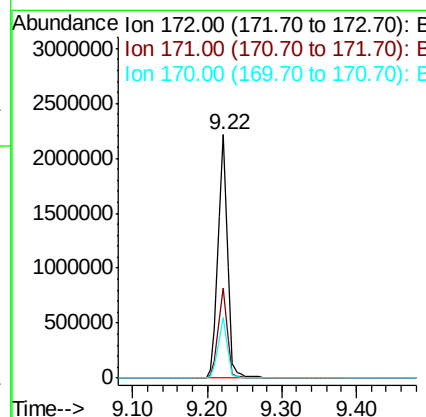
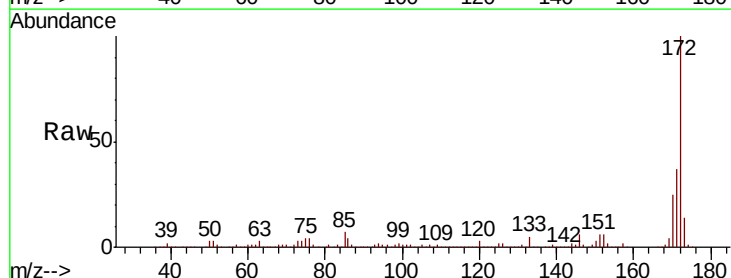
Manual Integrations
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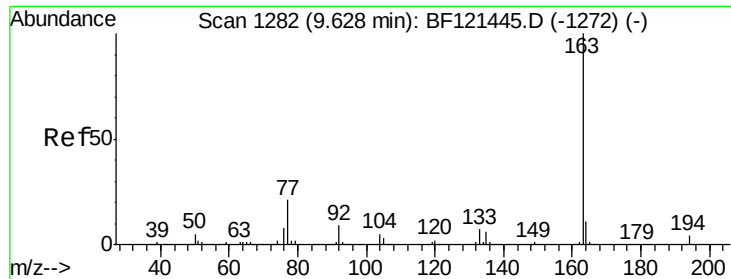
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#45
 2-Fluorobiphenyl
 Concen: 63.836 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF121489.D
 Acq: 31 Aug 2020 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1959400		
171	37.1	30.6	45.8	
170	25.0	20.6	31.0	





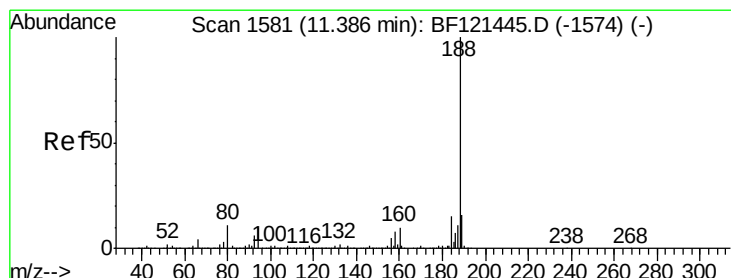
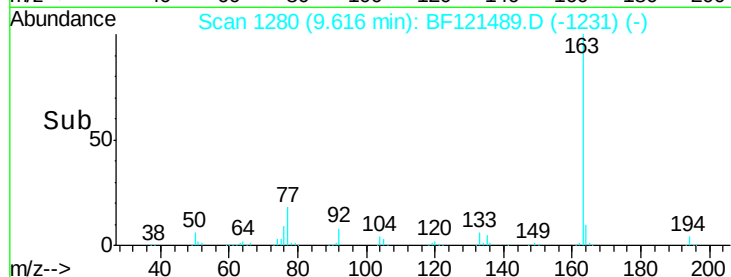
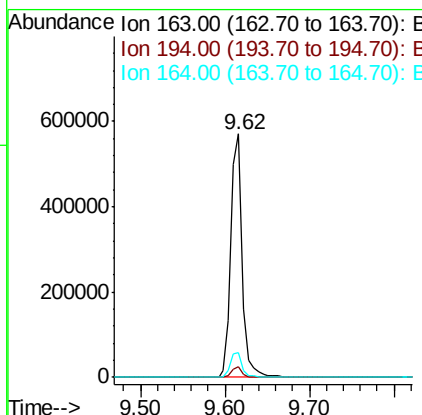
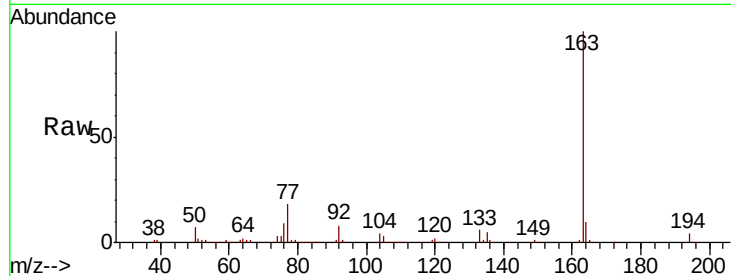
#50
Dimethylphthalate
Concen: 15.498 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF121489.D
Acq: 31 Aug 2020 21:04

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-12-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		527238		
194	4.1		3.3	4.9	
164	9.9		8.6	12.8	

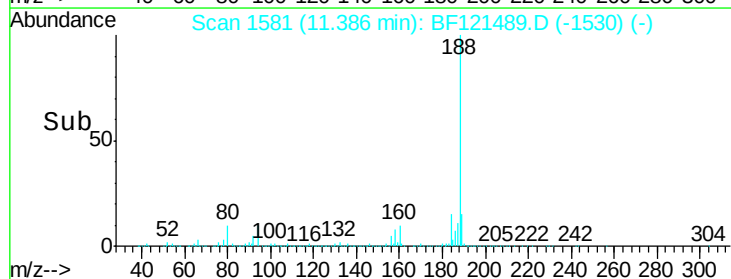
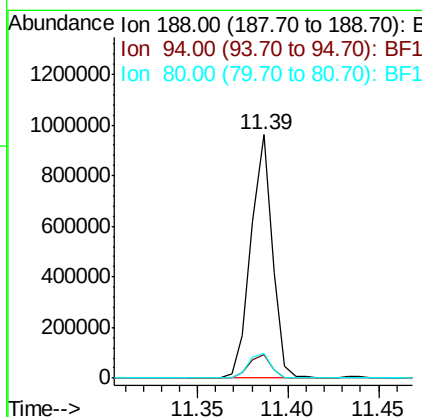
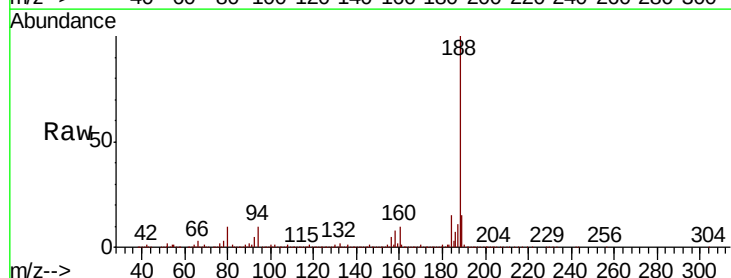
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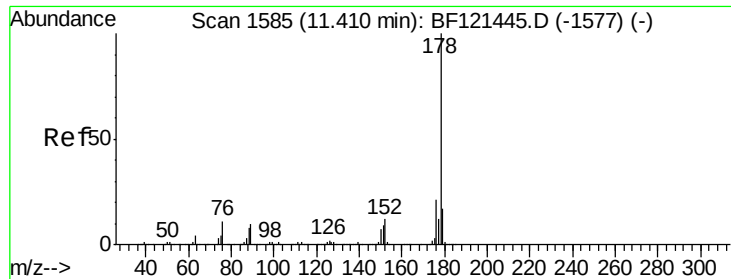
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BF121489.D
Acq: 31 Aug 2020 21:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		796357		
94	9.9		8.3	12.5	
80	10.1		8.6	13.0	





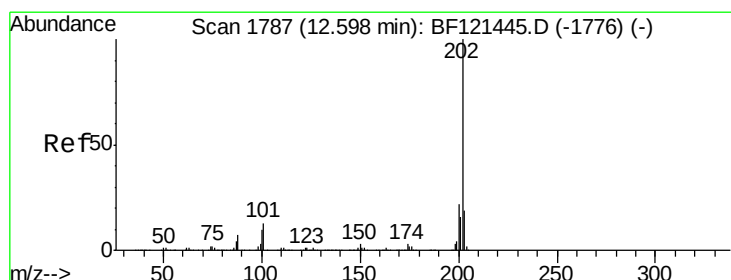
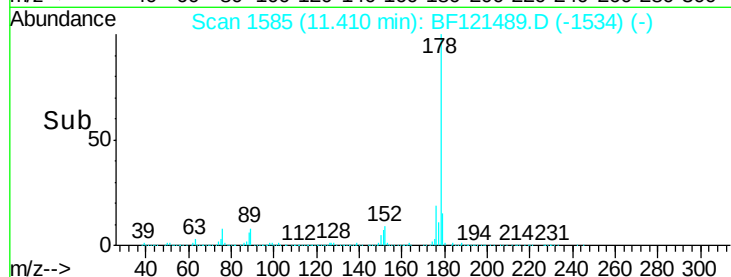
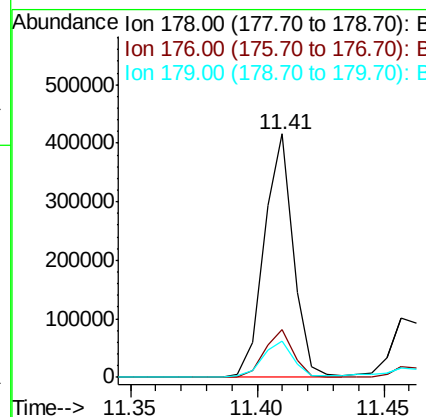
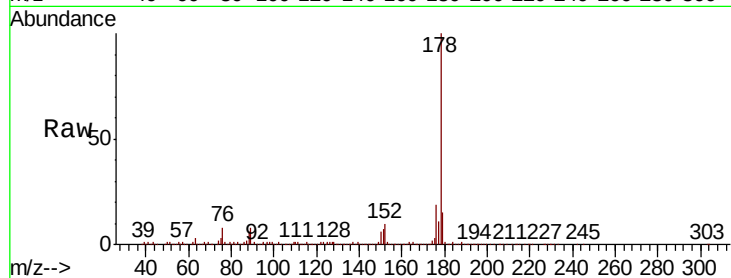
#71
Phenanthrene
Concen: 8.122 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF121489.D
Acq: 31 Aug 2020 21:04

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-12-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.9	25.3
179	15.1	13.4	20.0

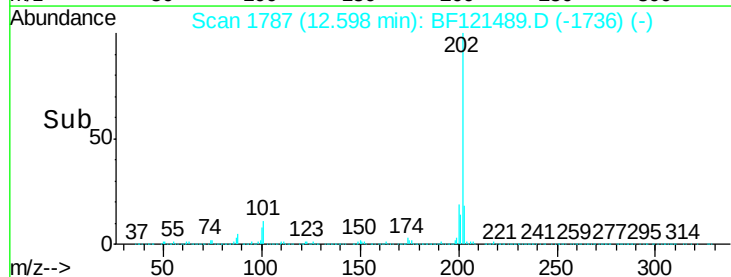
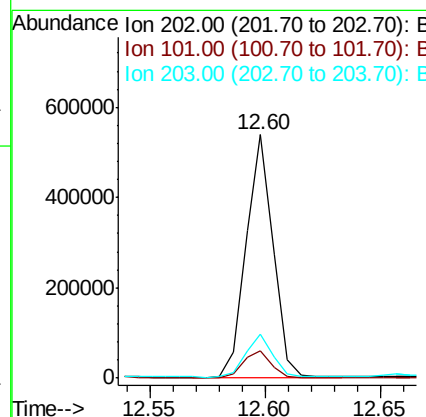
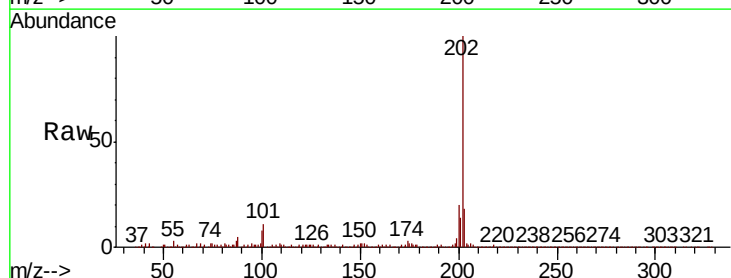
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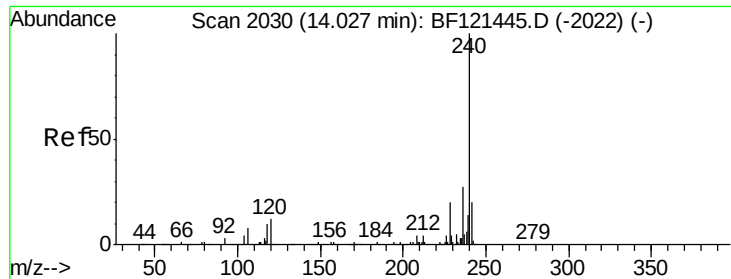
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#75
Fluoranthene
Concen: 9.891 ng
RT: 12.60 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BF121489.D
Acq: 31 Aug 2020 21:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	33.3
203	18.0	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: BF121489.D

Acq: 31 Aug 2020 21:04

Instrument :

BNA_F

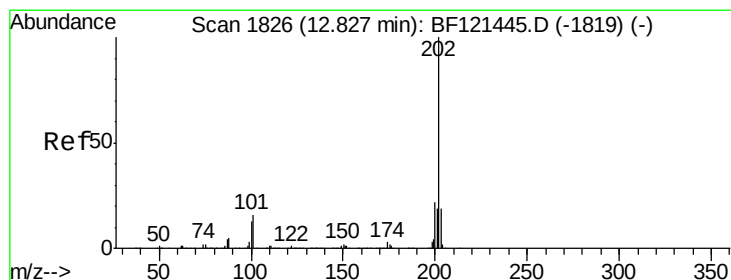
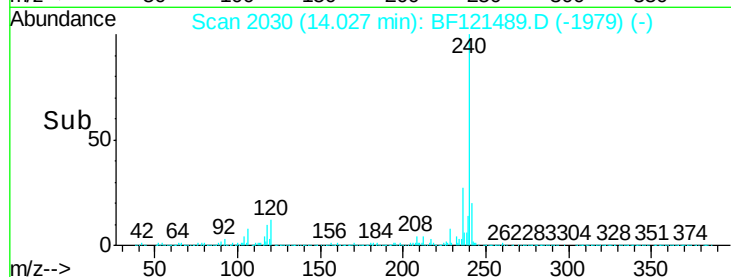
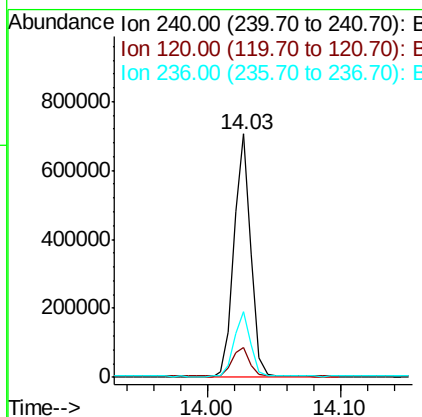
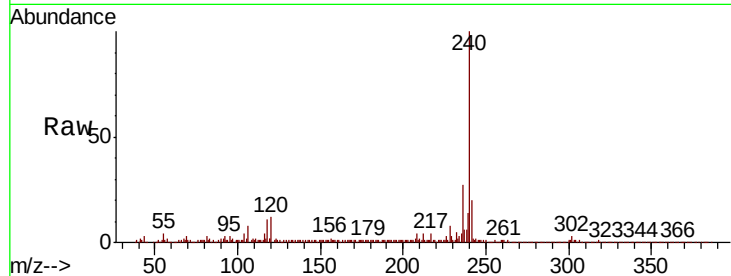
ClientSampleId :

LINDEN-JOP-BH-12-C

Tot Ion:	240	Resp:	620817
Ion Ratio	Lower	Upper	
240	100		
120	12.4	9.5	14.3
236	26.9	21.8	32.6

Manual Integrations
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#78

Pyrene

Concen: 11.781 ng

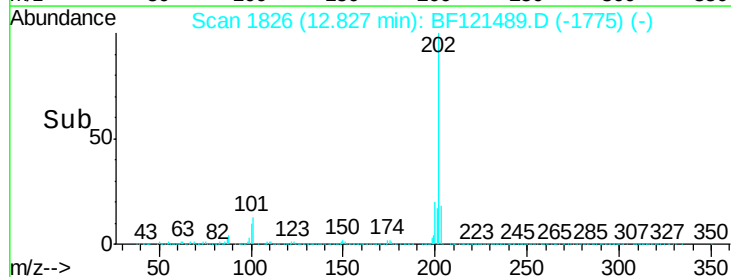
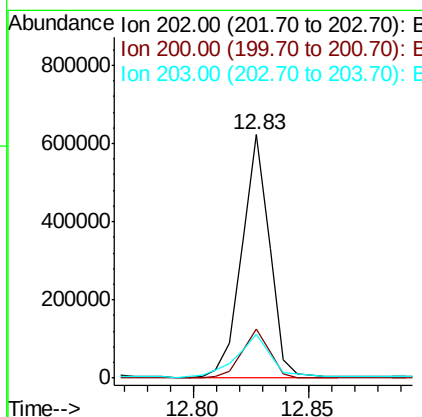
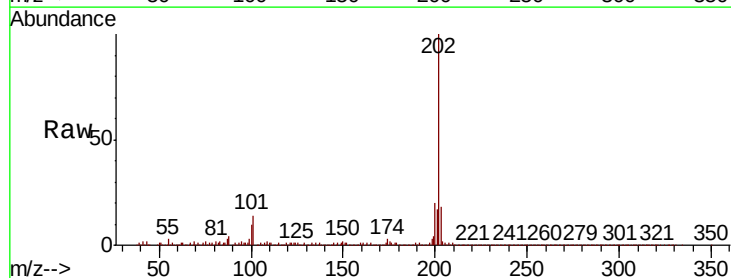
RT: 12.83 min Scan# 1826

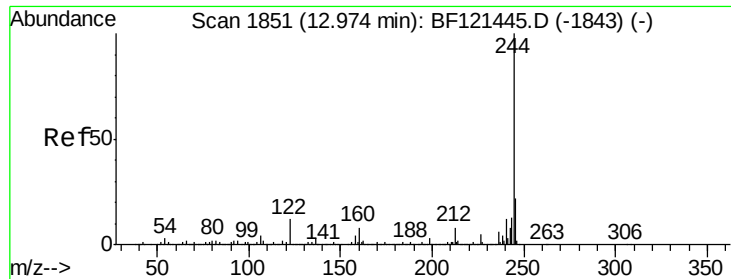
Delta R.T. 0.00 min

Lab File: BF121489.D

Acq: 31 Aug 2020 21:04

Tgt Ion:	202	Resp:	522352
Ion Ratio	Lower	Upper	
202	100		
200	20.1	18.0	27.0
203	18.1	15.3	22.9





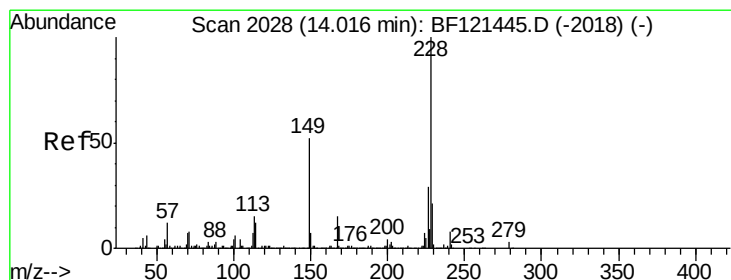
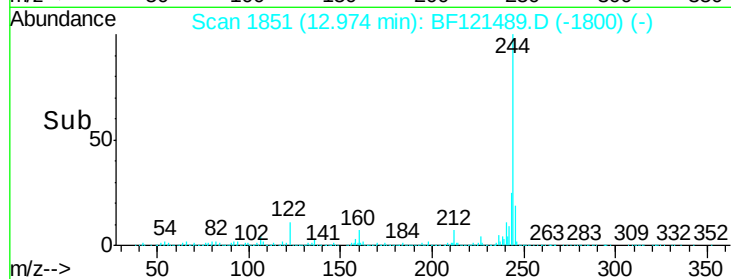
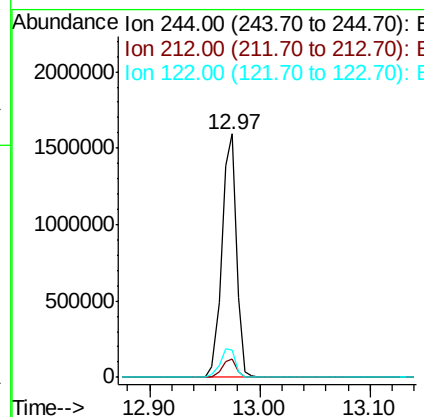
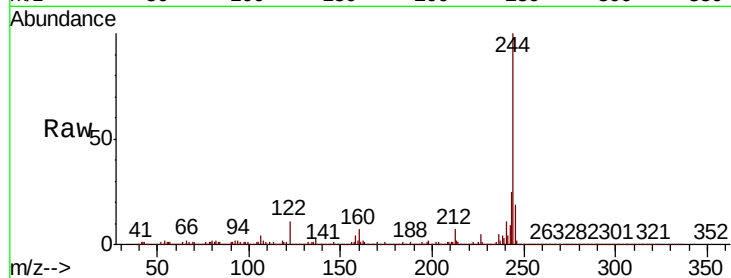
#79
 Terphenyl-d14
 Concen: 49.333 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: BF121489.D
 Acq: 31 Aug 2020 21:04

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-12-C

Tot Ion:244 Resp: 1454992
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.3 9.5
 122 11.2 9.5 14.3

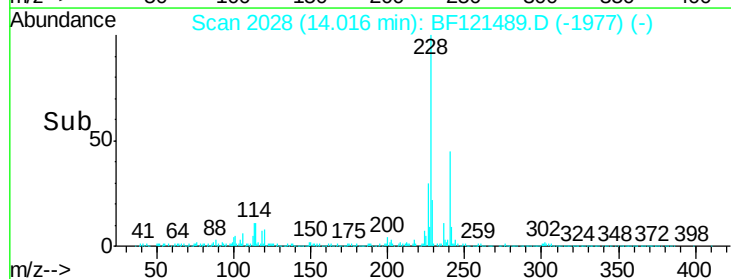
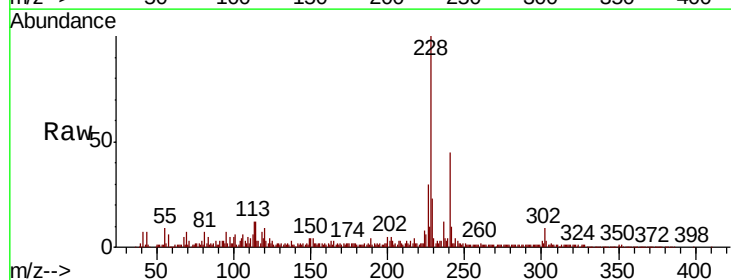
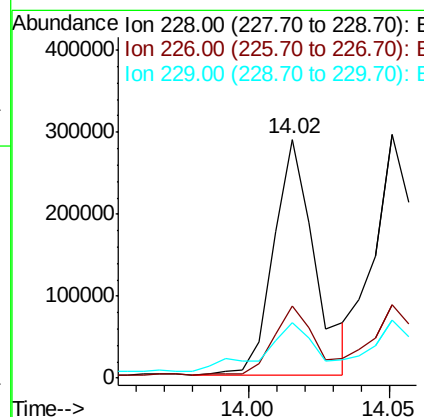
Manual Integrations
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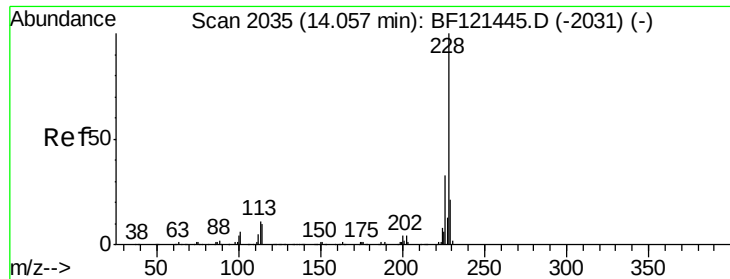
mohammad
 9/2/2020 1:56:20 PM



#81
 Benzo(a)anthracene
 Concen: 7.595 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BF121489.D
 Acq: 31 Aug 2020 21:04

Tgt Ion:228 Resp: 287847
 Ion Ratio Lower Upper
 228 100
 226 30.3 23.0 34.4
 229 23.3 16.6 24.8





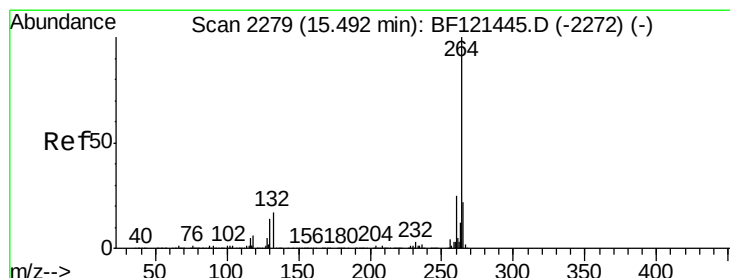
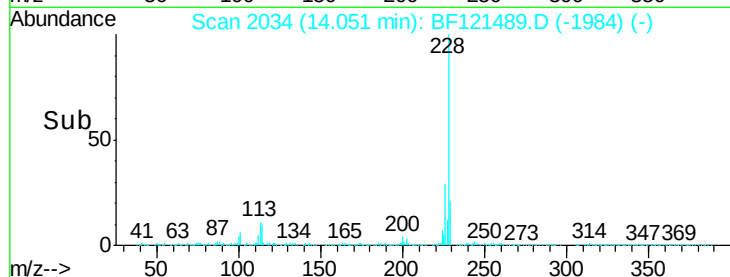
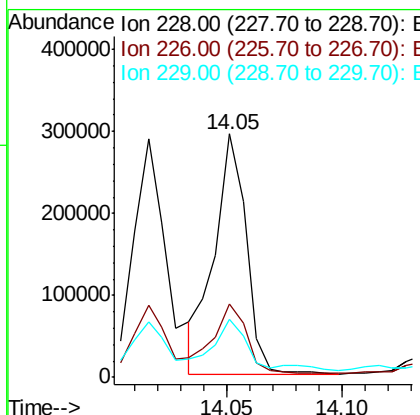
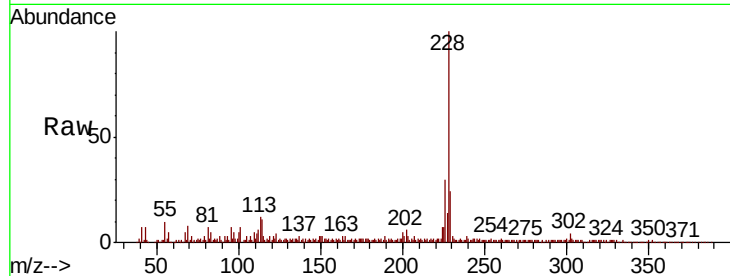
#83
Chrysene
Concen: 7.423 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF121489.D
Acq: 31 Aug 2020 21:04

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-12-C

Tot Ion:	228	Resp:	281439
Ion Ratio	Lower	Upper	
228	100		
226	30.2	26.2	39.2
229	23.7	16.6	25.0

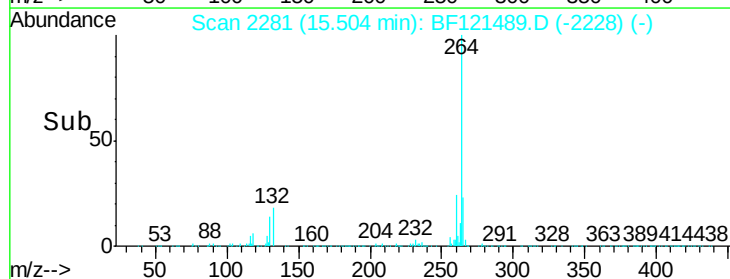
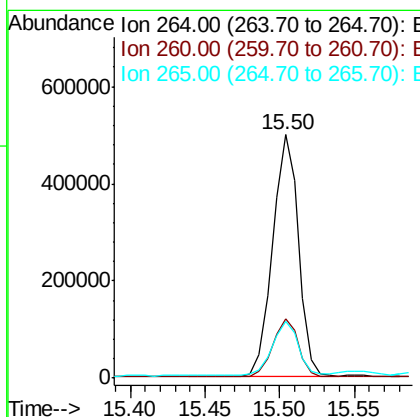
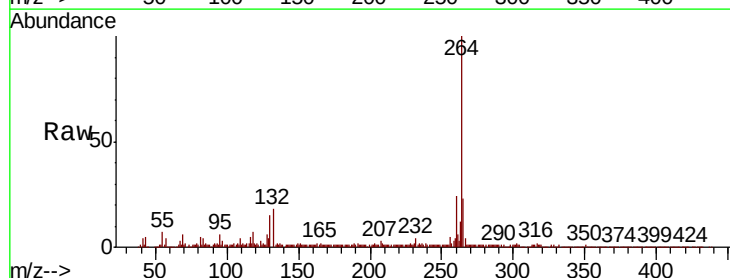
Manual Integrations
APPROVED

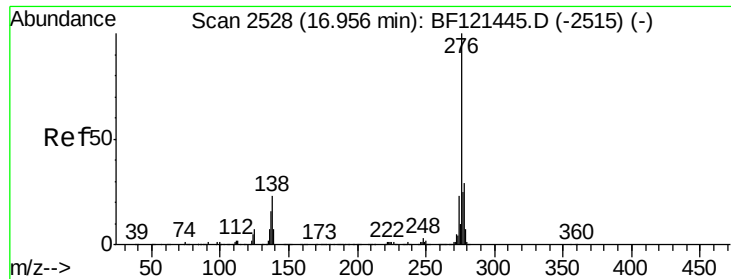
mohammad
9/2/2020 1:56:20 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF121489.D
Acq: 31 Aug 2020 21:04

Tgt Ion:	264	Resp:	601813
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.6	29.4
265	23.3	17.8	26.6





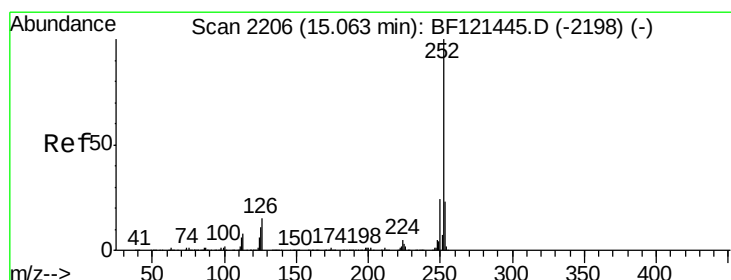
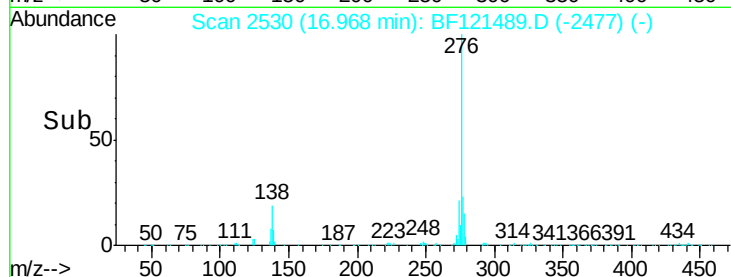
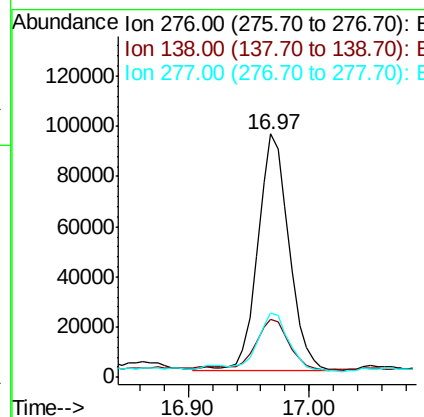
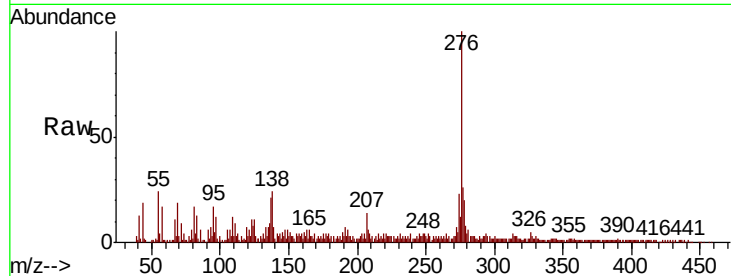
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.524 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.01 min
Lab File: BF121489.D
Acq: 31 Aug 2020 21:04

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-12-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.0	20.6	31.0
277	25.3	20.5	30.7

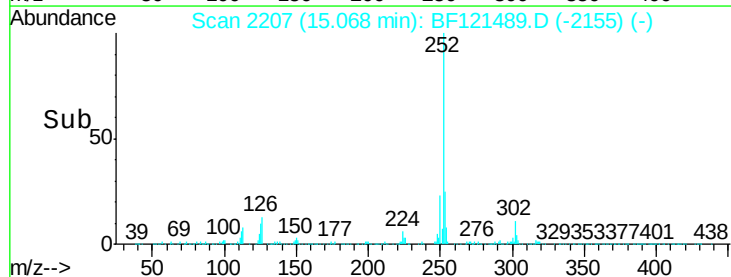
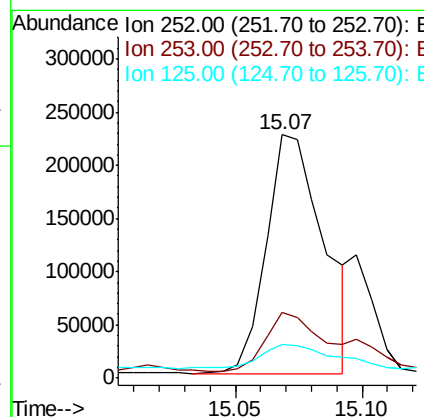
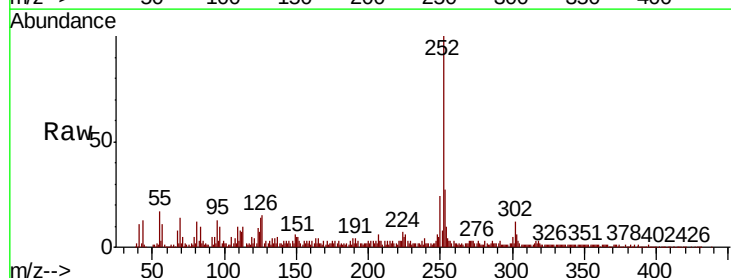
Manual Integrations
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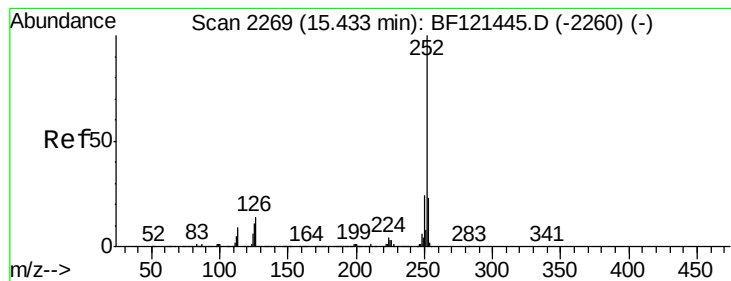
mohammad
9/2/2020 1:56:20 PM



#88
Benzo(b)fluoranthene
Concen: 9.063 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF121489.D
Acq: 31 Aug 2020 21:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	18.3	27.5
125	13.8	9.2	13.8





#90

Benzo(a)pyrene

Concen: 9.084 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.01 min

Lab File: BF121489.D

Acq: 31 Aug 2020 21:04

Instrument :

BNA_F

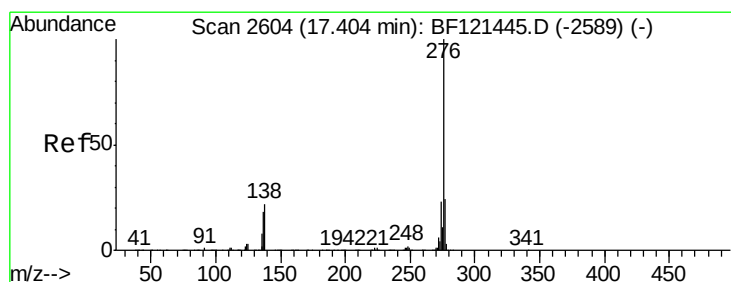
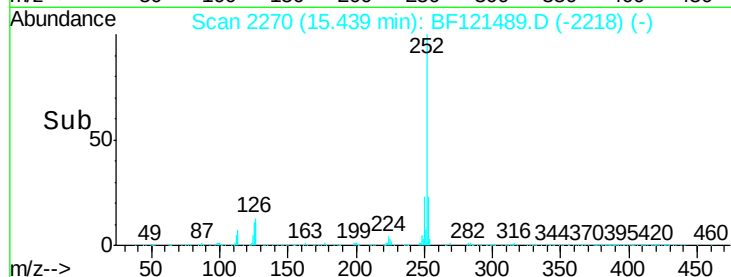
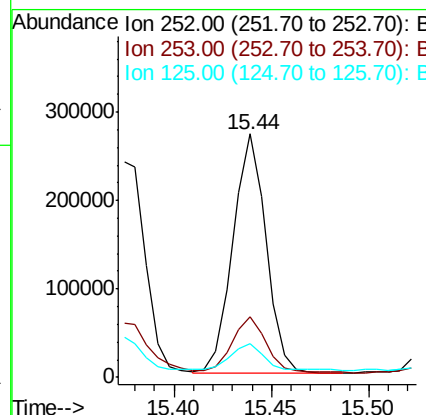
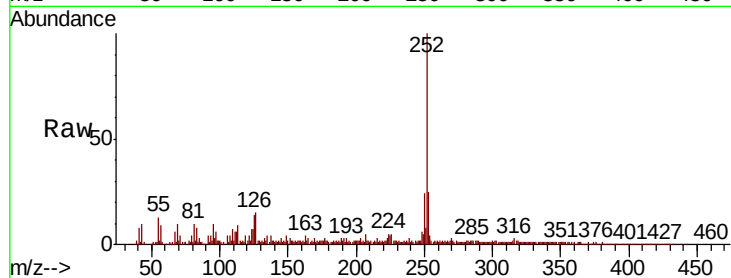
ClientSampleId :

LINDEN-JOP-BH-12-C

Tot Ion:	252	Resp:	319759
Ion Ratio	Lower	Upper	
252	100		
253	24.8	18.0	27.0
125	13.9	9.0	13.4

Manual Integrations
APPROVED

mohammad
9/2/2020 1:56:20 PM



#92

Benzo(g,h,i)perylene

Concen: 8.409 ng

RT: 17.42 min Scan# 2606

Delta R.T. 0.01 min

Lab File: BF121489.D

Acq: 31 Aug 2020 21:04

Tgt Ion:	276	Resp:	245520
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.9	28.3
138	23.1	17.4	26.0

