

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
 Data File : BF121505.D
 Acq On : 1 Sep 2020 19:39
 Operator : JU/CG
 Sample : L3848-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 9/2/2020 1:57:26 PM

Quant Time: Sep 02 02:06:19 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	275149	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1033601	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	502663	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	827542	20.00	ng	0.00
76) Chrysene-d12	14.03	240	631643	20.00	ng	0.00
86) Perylene-d12	15.50	264	714224	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1120035	68.30	ng	0.00
7) Phenol-d6	6.48	99	1424548	62.16	ng	-0.01
23) Nitrobenzene-d5	7.42	82	905004	59.86	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	359808	70.87	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1688530	54.20	ng	-0.01
79) Terphenyl-d14	12.97	244	1377690	45.91	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.61	163	190573	5.519	ng	98
75) Fluoranthene	12.60	202	228752	4.998	ng	96
78) Pyrene	12.83	202	230577	5.111	ng	96
81) Benzo(a)anthracene	14.02	228	139831	3.626	ng	96
83) Chrysene	14.05	228	116504	3.020	ng	97
88) Benzo(b)fluoranthene	15.07	252	171085m	3.682	ng	
90) Benzo(a)pyrene	15.43	252	131789	3.155	ng	# 92

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

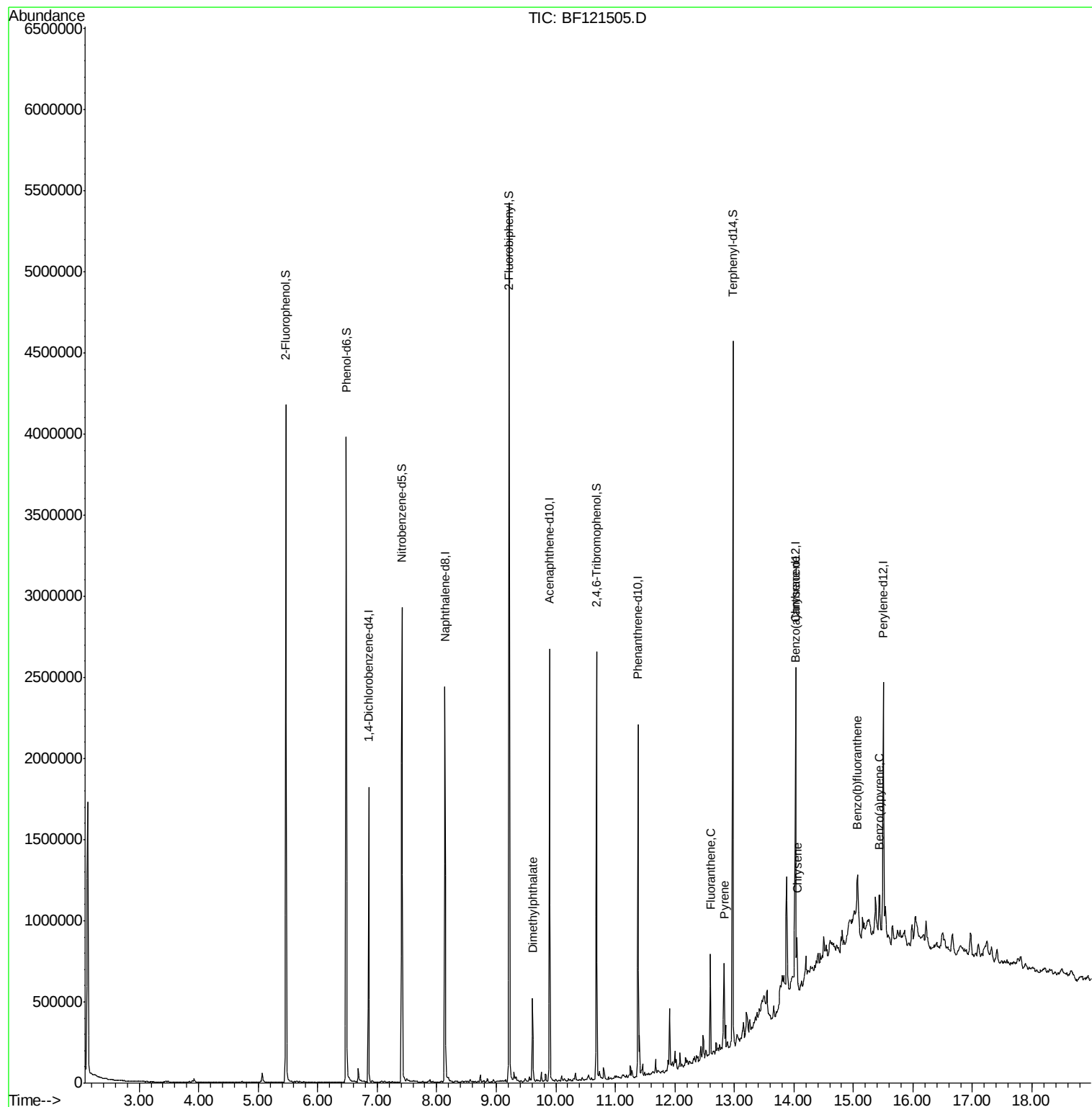
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121505.D
Acq On : 1 Sep 2020 19:39
Operator : JU/CG
Sample : L3848-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

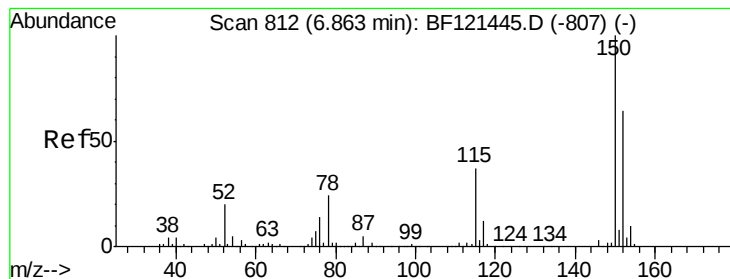
Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-04-A

Manual Integrations
APPROVED

mohammad
9/2/2020 1:57:26 PM

Quant Time: Sep 02 02:06:19 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





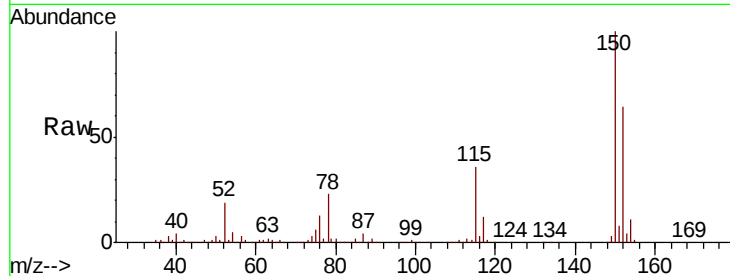
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF121505.D
 Acq: 1 Sep 2020 19:39

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	125.8	188.6
115	56.7	46.6	69.8

Manual Integrations
 APPROVED

mohammad
 9/2/2020 1:57:26 PM

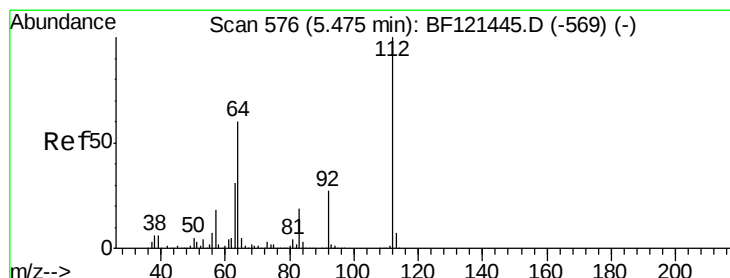
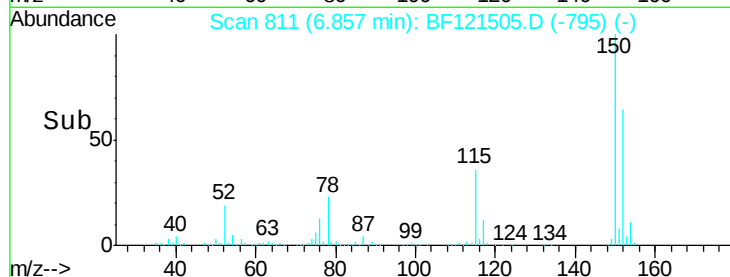
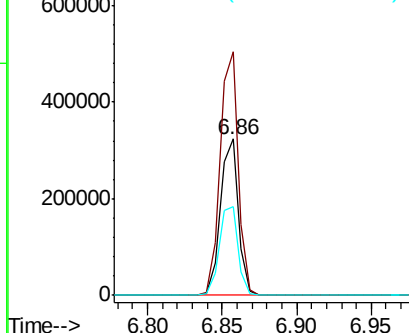


Abundance

Ion 152.00 (151.70 to 152.70): E

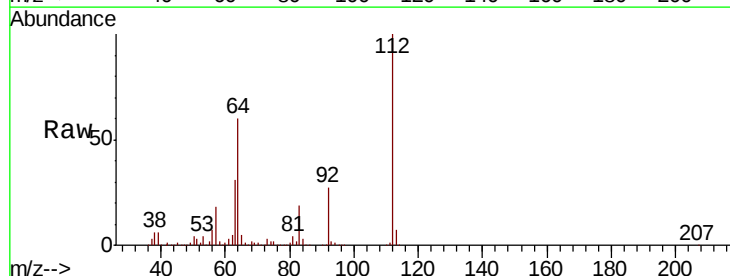
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 68.295 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF121505.D
 Acq: 1 Sep 2020 19:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	48.2	72.2
63	30.6	24.8	37.2

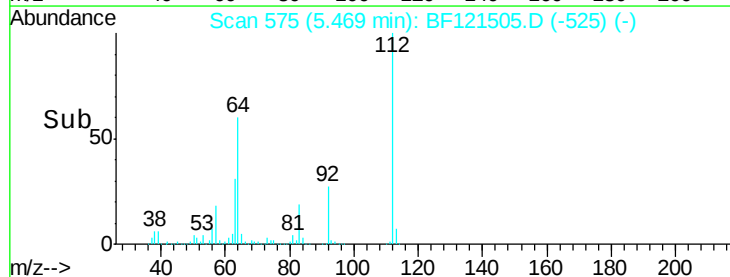
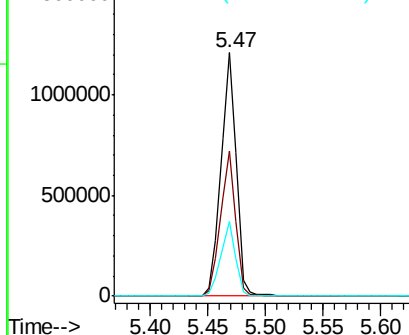


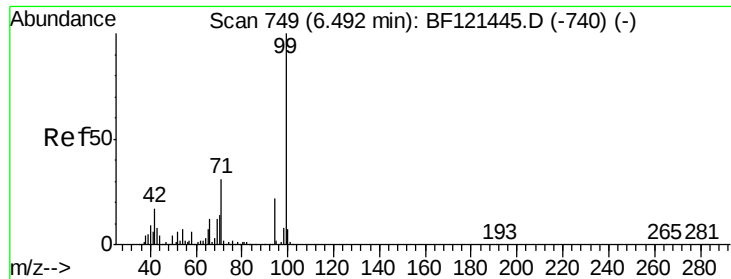
Abundance

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: 62.157 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF121505.D

Acq: 1 Sep 2020 19:39

Instrument :

BNA_F

ClientSampleId :

LINDEN-BH-04-A

Tot Ion: 99 Resp: 1424548

Ion Ratio Lower Upper

99 100

42 16.4 13.5 20.3

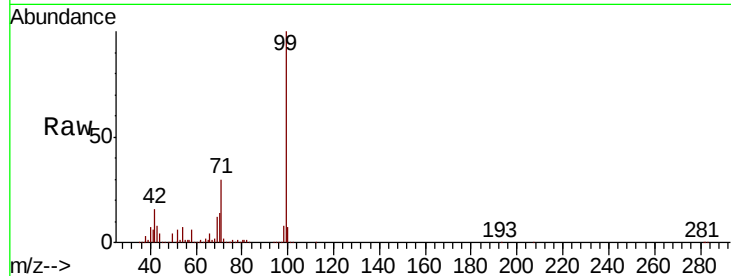
71 30.3 24.6 37.0

Manual Integrations

APPROVED

mohammad

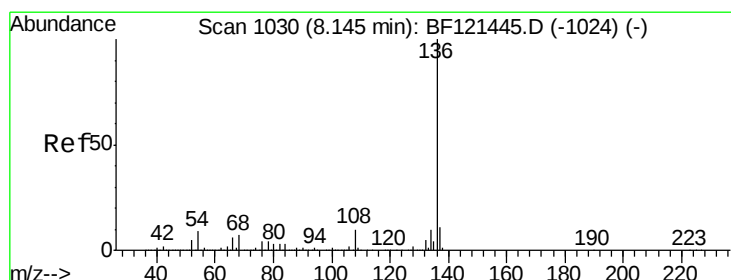
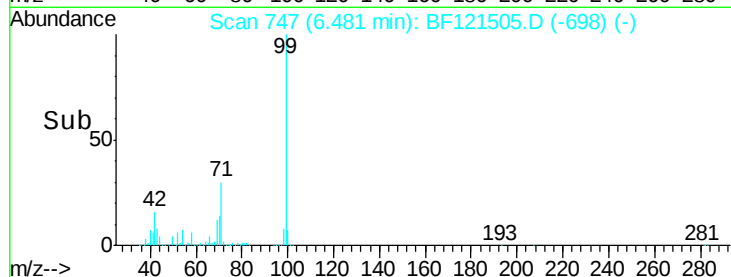
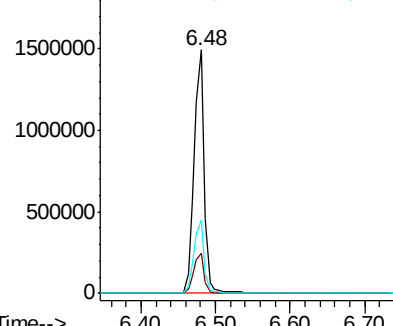
9/2/2020 1:57:26 PM



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: BF121505.D

Acq: 1 Sep 2020 19:39

Tgt Ion: 136 Resp: 1033601

Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 8.5 7.0 10.4

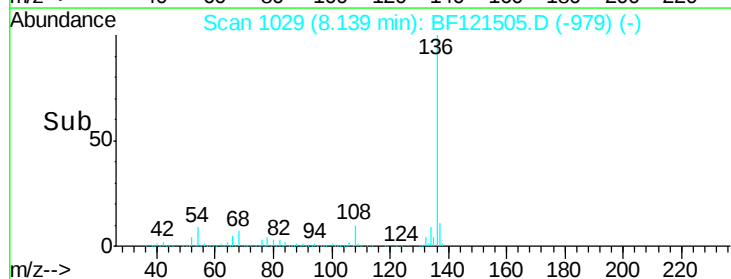
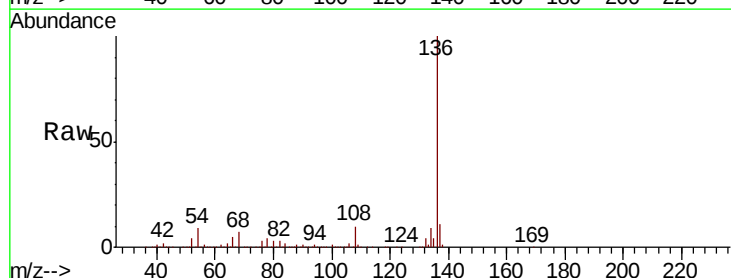
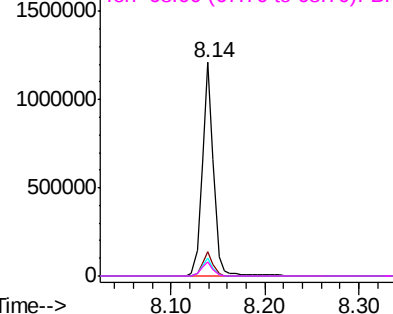
68 6.7 5.5 8.3

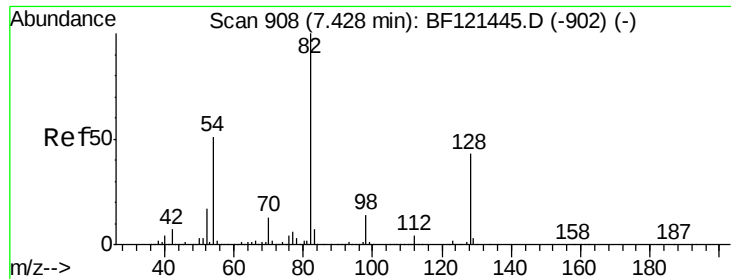
Abundance Ion 136.00 (135.70 to 136.70): E

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





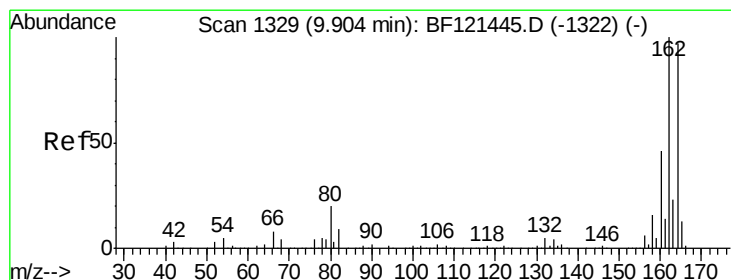
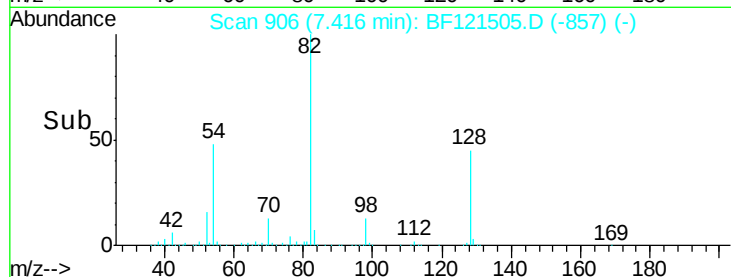
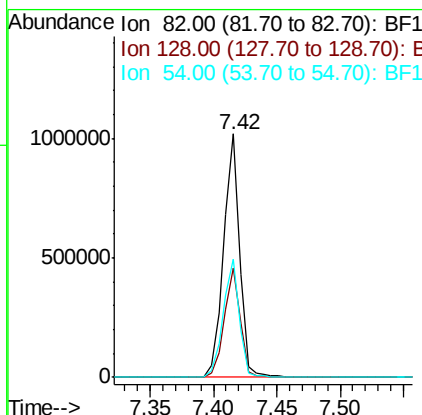
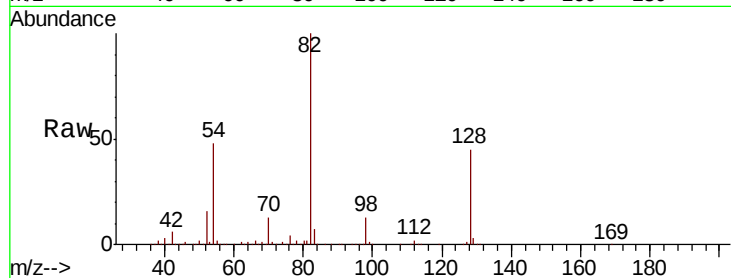
#23
 Nitrobenzene-d5
 Concen: 59.860 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF121505.D
 Acq: 1 Sep 2020 19:39

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.1	51.1
54	48.4	41.0	61.6

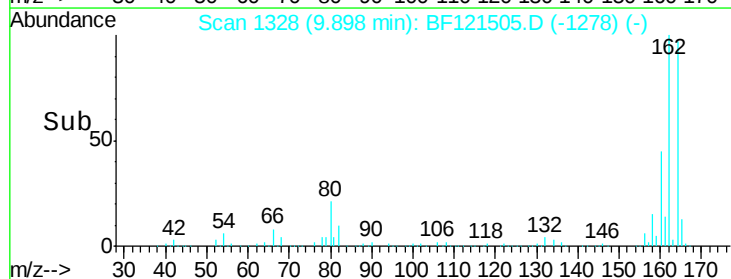
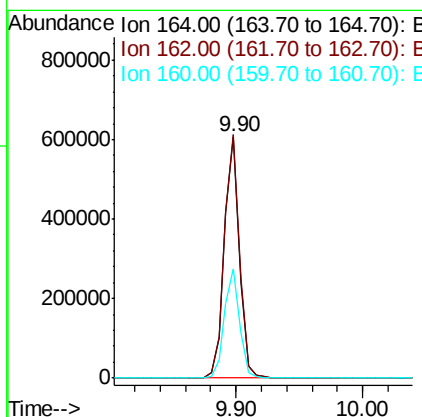
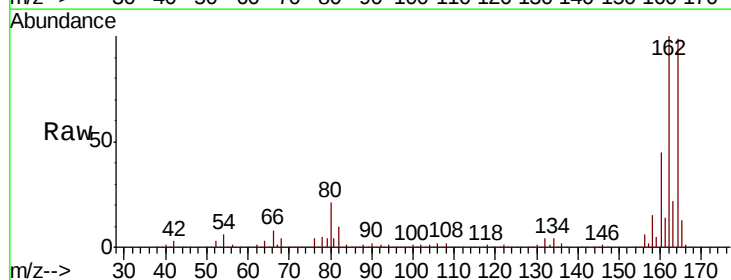
Manual Integrations
 APPROVED

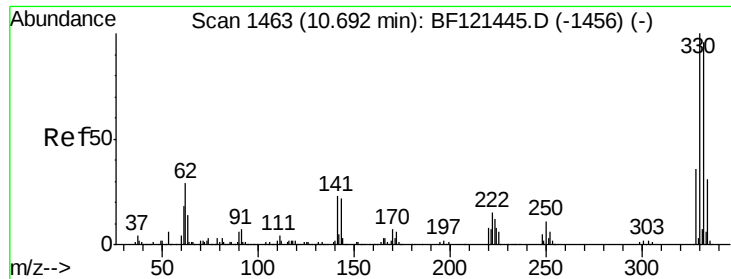
mohammad
 9/2/2020 1:57:26 PM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF121505.D
 Acq: 1 Sep 2020 19:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	82.4	123.6
160	45.4	37.6	56.4





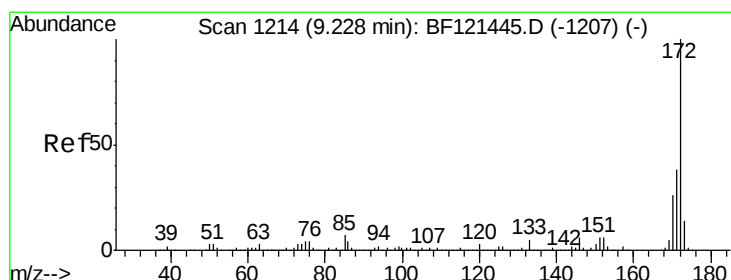
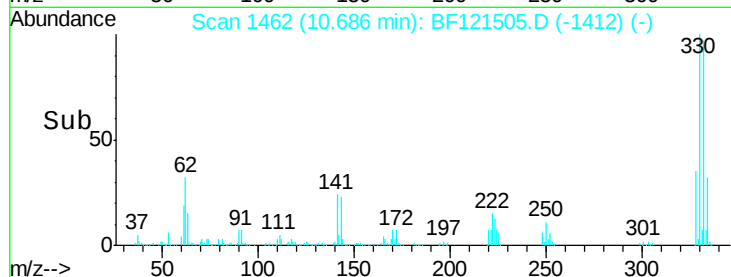
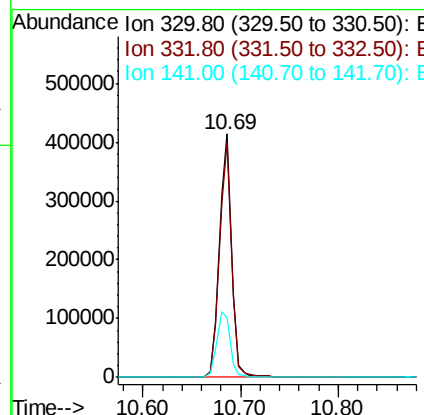
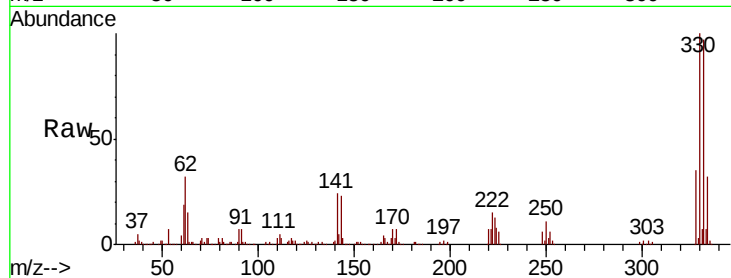
#42
 2,4,6-Tribromophenol
 Concen: 70.868 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF121505.D
 Acq: 1 Sep 2020 19:39

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100	359808		
332	95.8	76.2	114.2	
141	29.8	24.6	36.8	

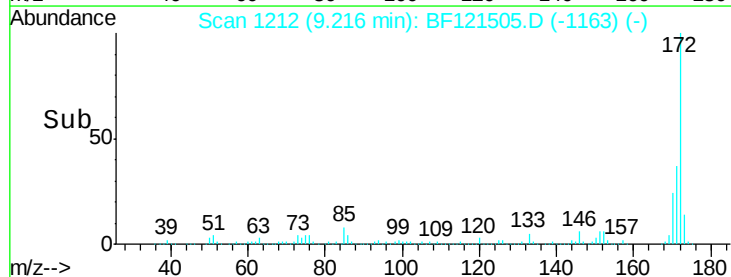
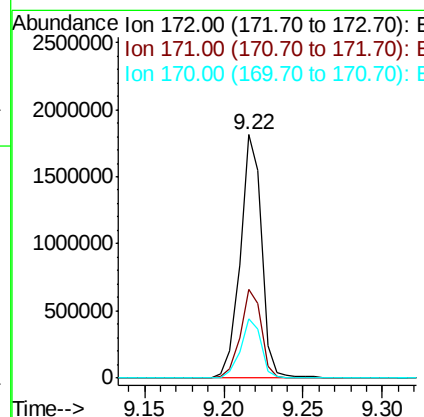
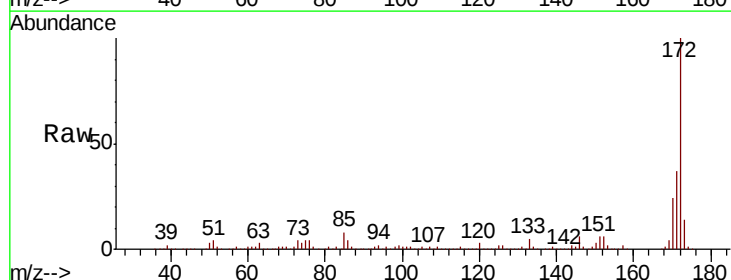
Manual Integrations
 APPROVED

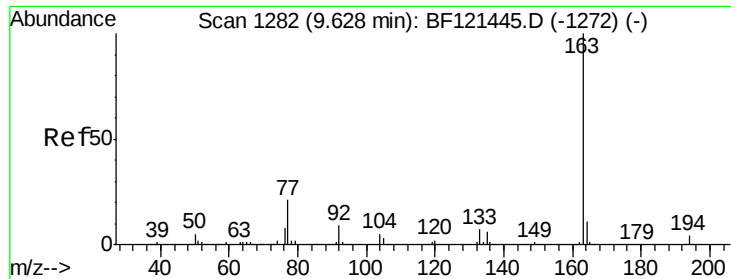
mohammad
 9/2/2020 1:57:26 PM



#45
 2-Fluorobiphenyl
 Concen: 54.201 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF121505.D
 Acq: 1 Sep 2020 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1688530		
171	36.5	30.6	45.8	
170	24.5	20.6	31.0	





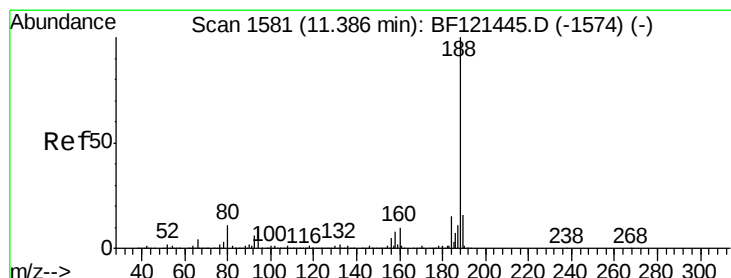
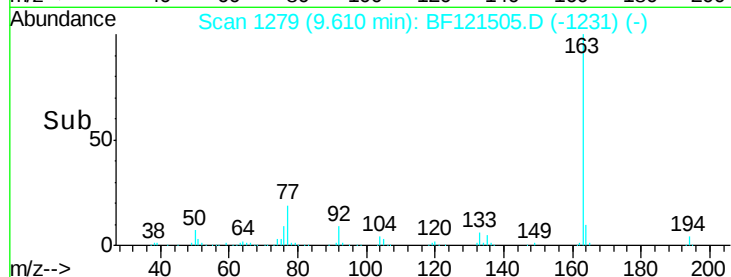
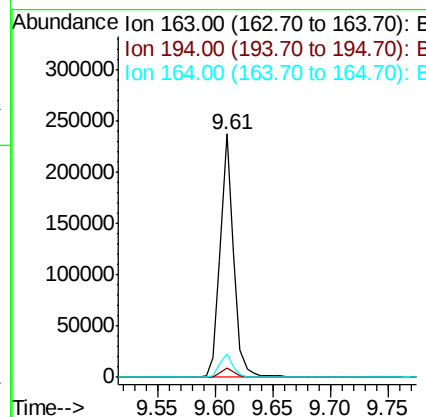
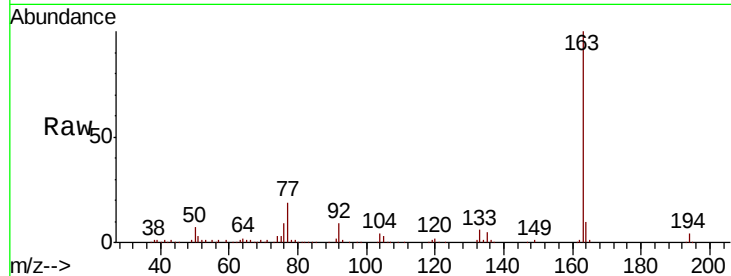
#50
Dimethylphthalate
Concen: 5.519 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

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

Tot Ion	Ratio	Resp	Lower	Upper
163	100	190573		
194	3.7		3.3	4.9
164	9.8		8.6	12.8

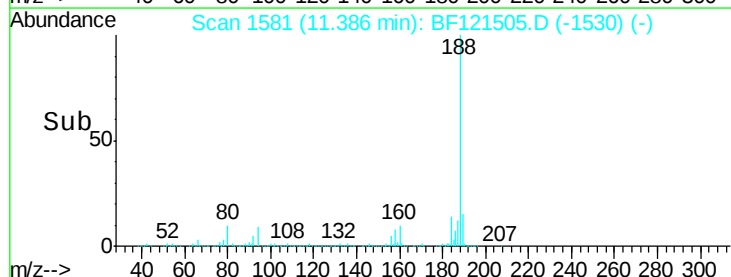
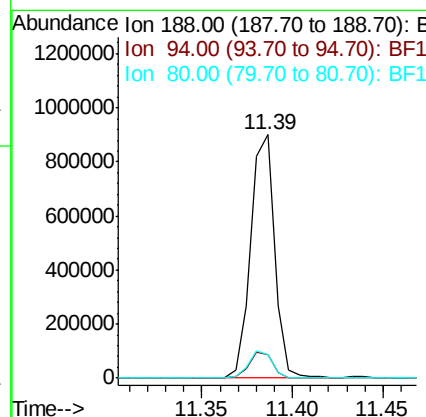
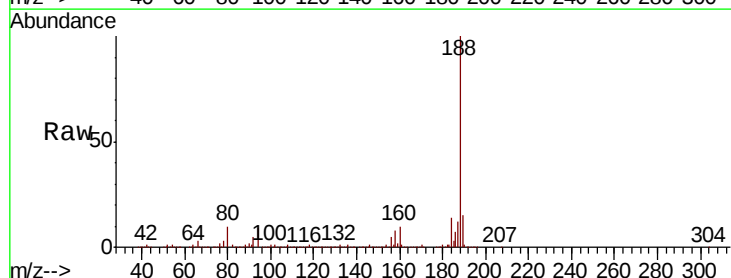
Manual Integrations
APPROVED

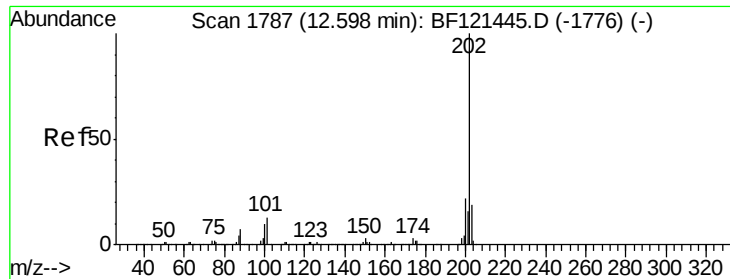
mohammad
9/2/2020 1:57:26 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	827542		
94	9.5		8.3	12.5
80	9.9		8.6	13.0





#75

Fluoranthene

Concen: 4.998 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BF121505.D

Acq: 1 Sep 2020 19:39

Instrument :

BNA_F

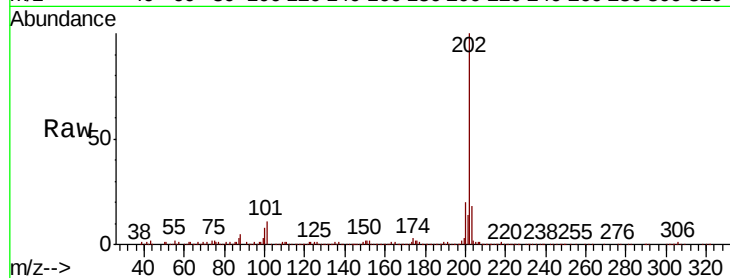
ClientSampleId :

LINDEN-BH-04-A

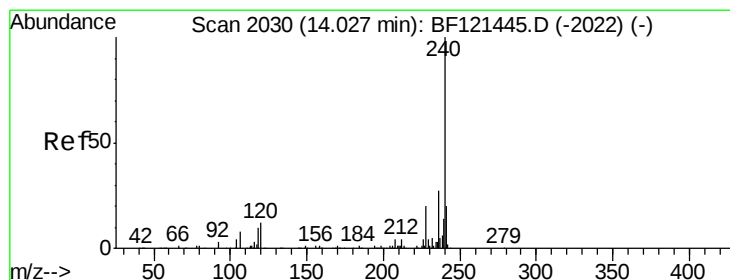
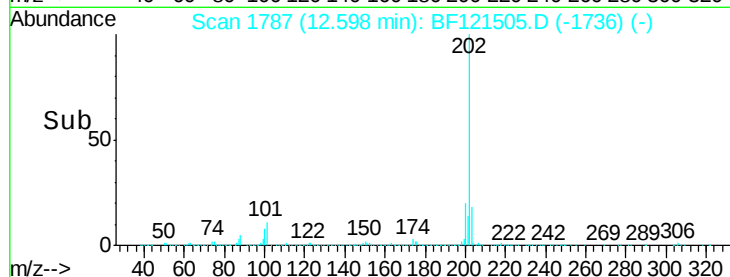
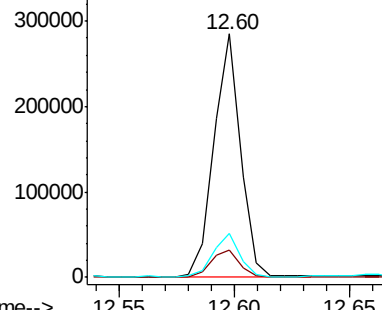
Tot Ion	Ratio	Resp	Lower	Upper
202	100	228752		
101	11.0	0.0	33.3	
203	18.1	0.0	39.1	

Manual Integrations
APPROVED

mohammad
9/2/2020 1:57:26 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

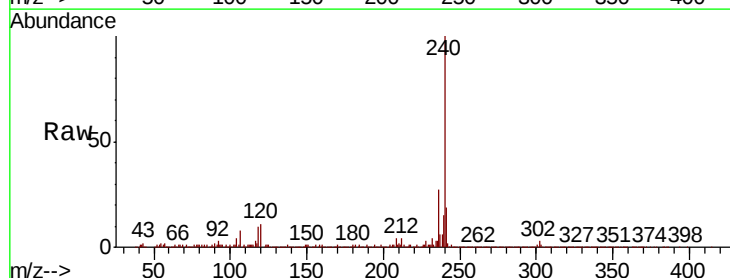
RT: 14.03 min Scan# 2030

Delta R.T. -0.00 min

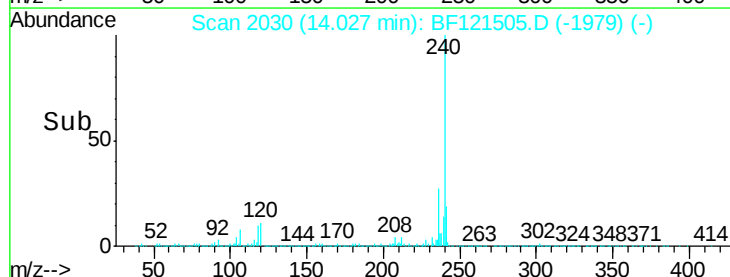
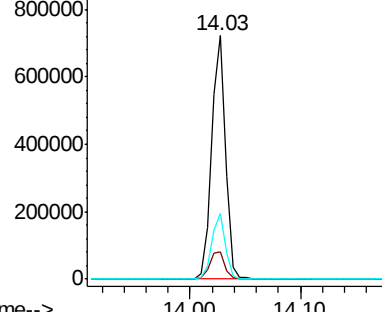
Lab File: BF121505.D

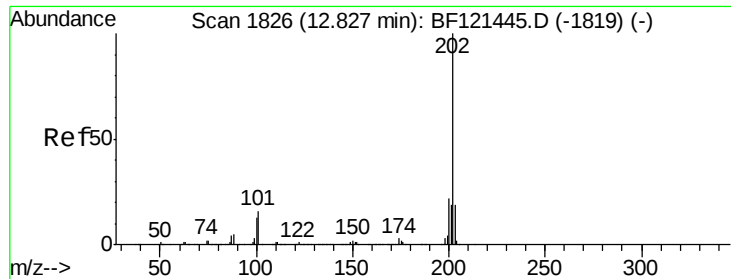
Acq: 1 Sep 2020 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	631643		
120	11.0	9.5	14.3	
236	26.7	21.8	32.6	



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





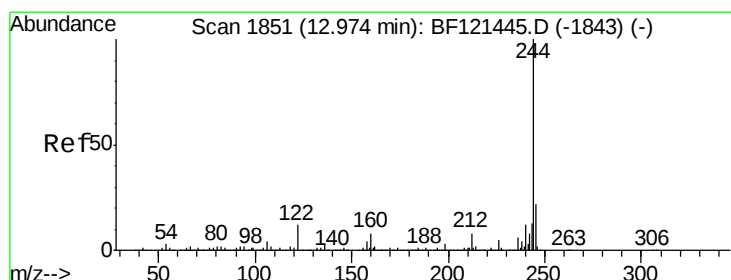
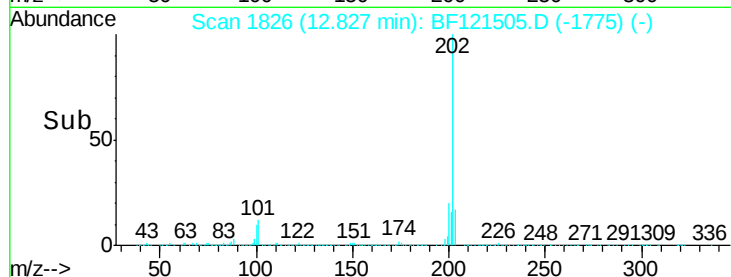
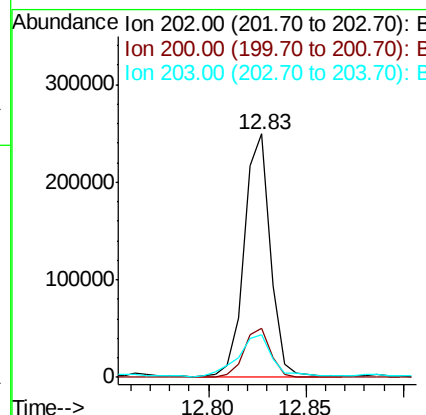
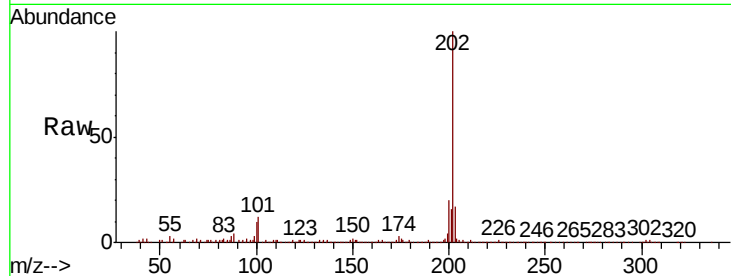
#78
Pvrene
Concen: 5.111 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.00 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	18.0	27.0
203	17.3	15.3	22.9

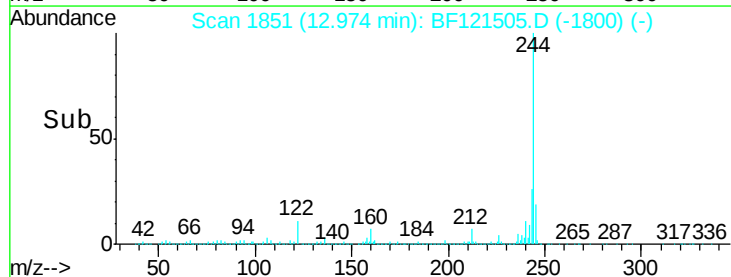
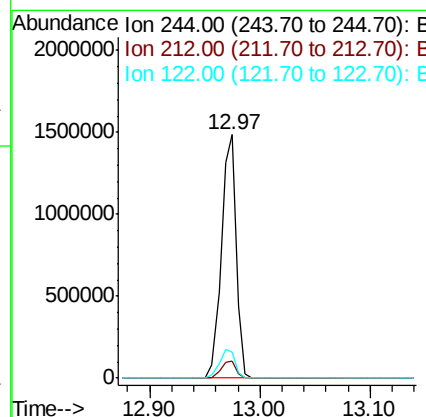
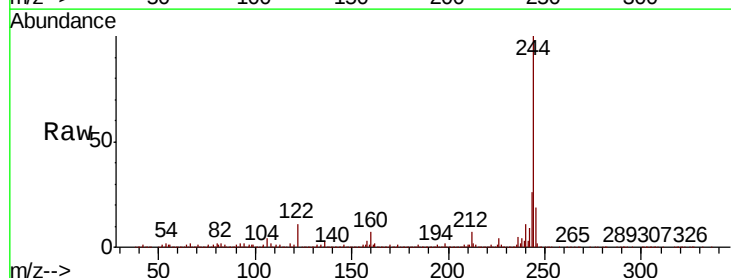
Manual Integrations
APPROVED

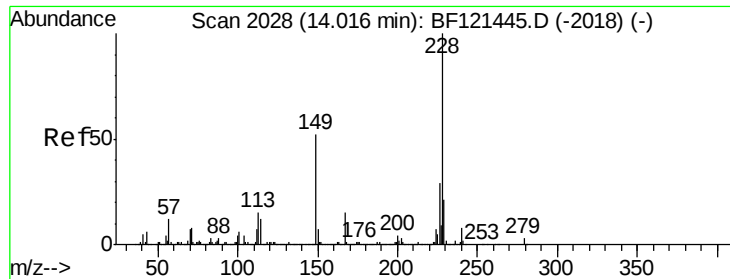
mohammad
9/2/2020 1:57:26 PM



#79
Terphenyl-d14
Concen: 45.912 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.00 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.3	9.5
122	10.8	9.5	14.3





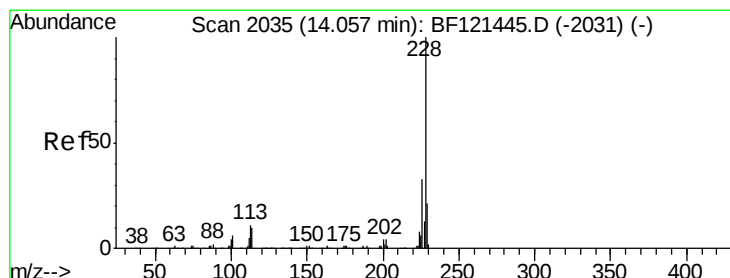
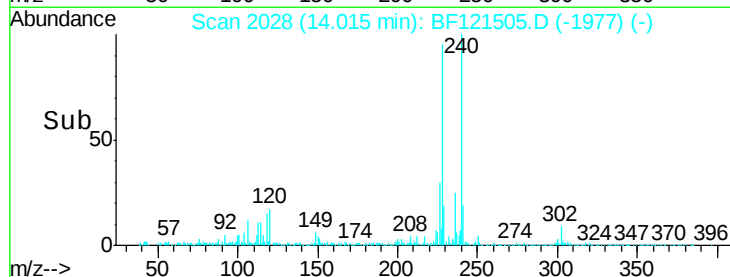
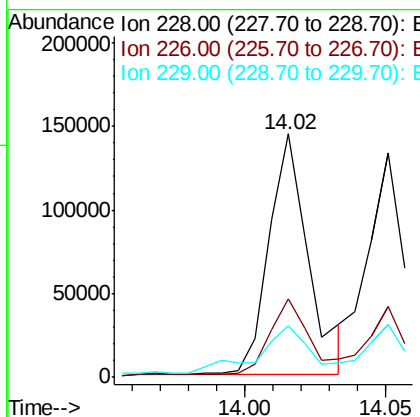
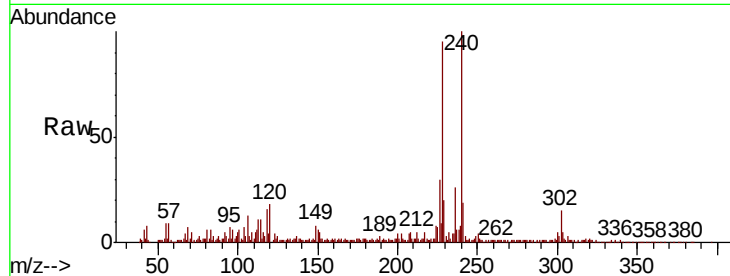
#81
Benzo(a)anthracene
Concen: 3.626 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.0	23.0	34.4
229	21.4	16.6	24.8

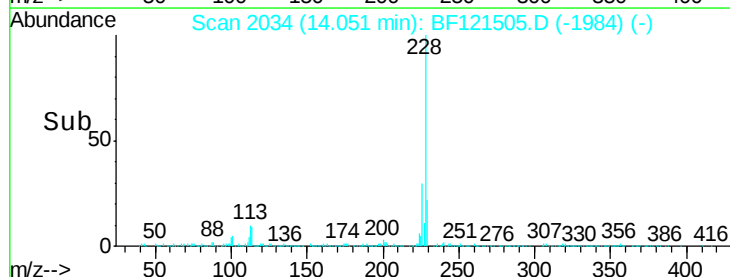
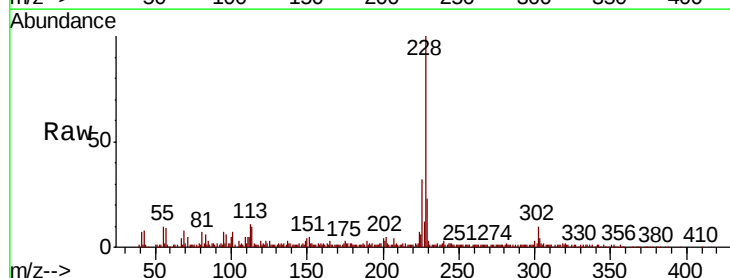
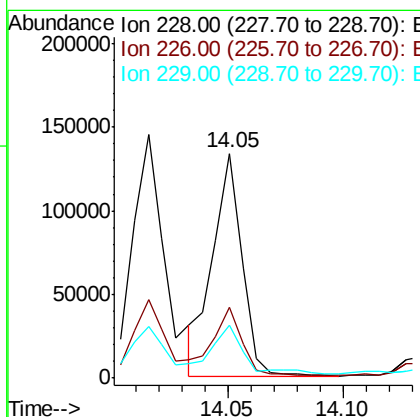
Manual Integrations
APPROVED

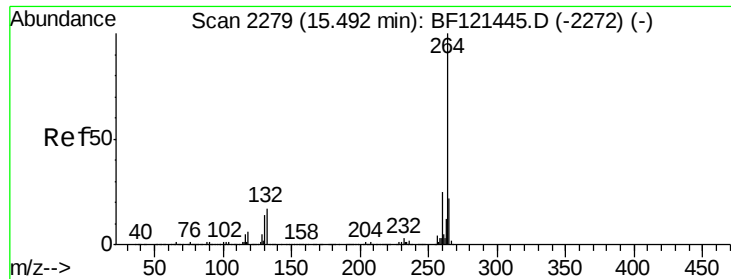
mohammad
9/2/2020 1:57:26 PM



#83
Chrysene
Concen: 3.020 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	26.2	39.2
229	23.4	16.6	25.0





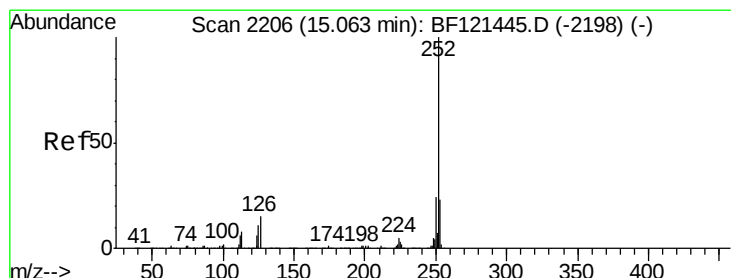
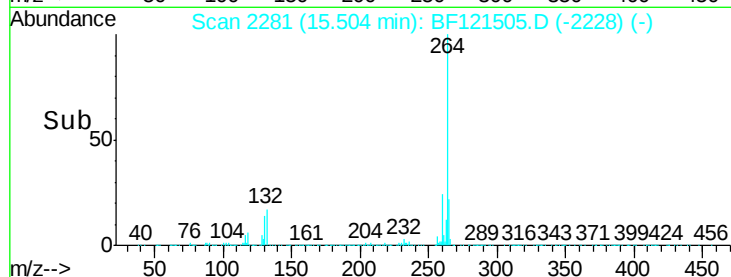
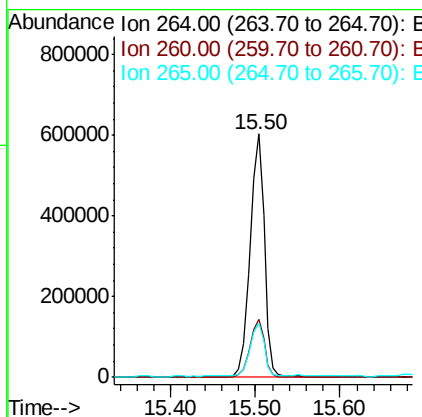
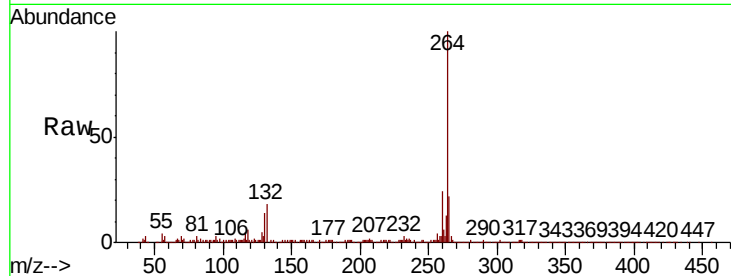
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

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

Tot Ion:	264	Resp:	714224
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.6	29.4
265	22.4	17.8	26.6

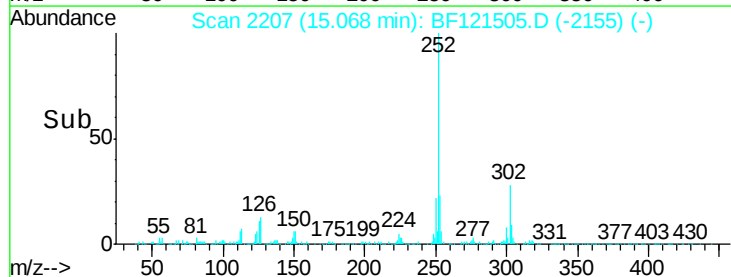
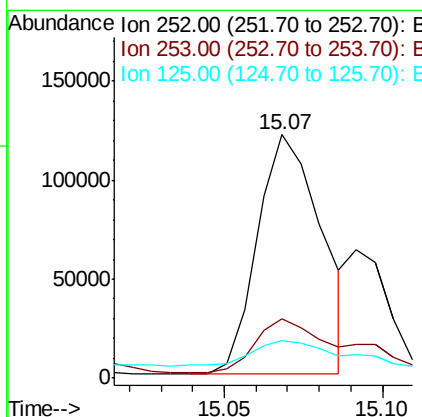
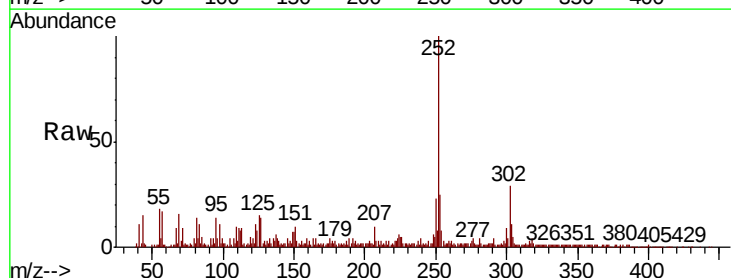
Manual Integrations
APPROVED

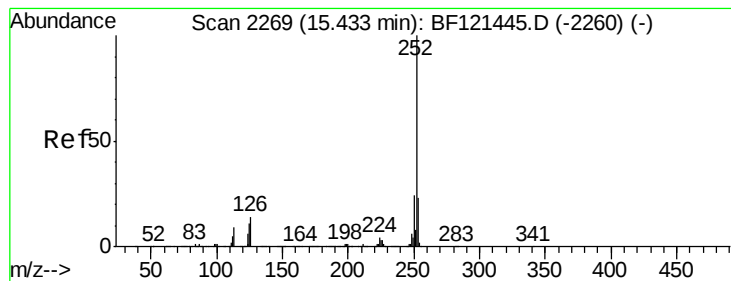
mohammad
9/2/2020 1:57:26 PM



#88
Benzo(b)fluoranthene
Concen: 3.682 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

Tgt Ion:	252	Resp:	171085
Ion Ratio	Lower	Upper	
252	100		
253	24.5	18.3	27.5
125	15.4	9.2	13.8#





#90
 Benzo(a)pyrene
 Concen: 3.155 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: BF121505.D
 Acq: 1 Sep 2020 19:39

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

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.1	18.0	27.0
125	16.2	9.0	13.4

Manual Integrations
 APPROVED

mohammad
 9/2/2020 1:57:26 PM

