

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052120\
 Data File : BF120392.D
 Acq On : 21 May 2020 20:22
 Operator : MA/SJ
 Sample : L2728-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 239990

Manual Integrations
 APPROVED

mohammad
 5/22/2020 2:55:57 PM

Quant Time: May 22 02:25:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 21 14:56:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	201028	20.00	ng	0.00
21) Naphthalene-d8	7.87	136	827283	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	402585	20.00	ng	0.00
64) Phenanthrene-d10	11.11	188	813553	20.00	ng	0.00
76) Chrysene-d12	13.74	240	466266	20.00	ng	0.00
87) Perylene-d12	15.13	264	400452	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	1014257	98.17	ng	0.00
7) Phenol-d6	6.25	99	1397458	106.96	ng	0.00
23) Nitrobenzene-d5	7.16	82	788261	65.24	ng	0.00
42) 2,4,6-Tribromophenol	10.42	330	329405	100.35	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	1527337	77.94	ng	0.00
79) Terphenyl-d14	12.70	244	1572559	74.51	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.35	163	175464	6.895	ng	97
71) Phenanthrene	11.13	178	246216	7.202	ng	98
75) Fluoranthene	12.32	202	394368	10.763	ng	99
78) Pyrene	12.54	202	387056	11.644	ng	98
81) Benzo(a)anthracene	13.73	228	161568	6.570	ng	99
83) Chrysene	13.77	228	155358	5.883	ng	97
84) Bis(2-ethylhexyl)phthalate	13.73	149	52244	2.683	ng	99
86) Indeno(1,2,3-cd)pyrene	16.44	276	87414	3.647	ng	# 90
88) Benzo(b)fluoranthene	14.75	252	168805m	7.719	ng	
89) Benzo(k)fluoranthene	14.77	252	64607m	3.410	ng	
90) Benzo(a)pyrene	15.07	252	117474	5.990	ng	98
92) Benzo(a,h,i)perylene	16.83	276	84759	4.837	ng	98

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

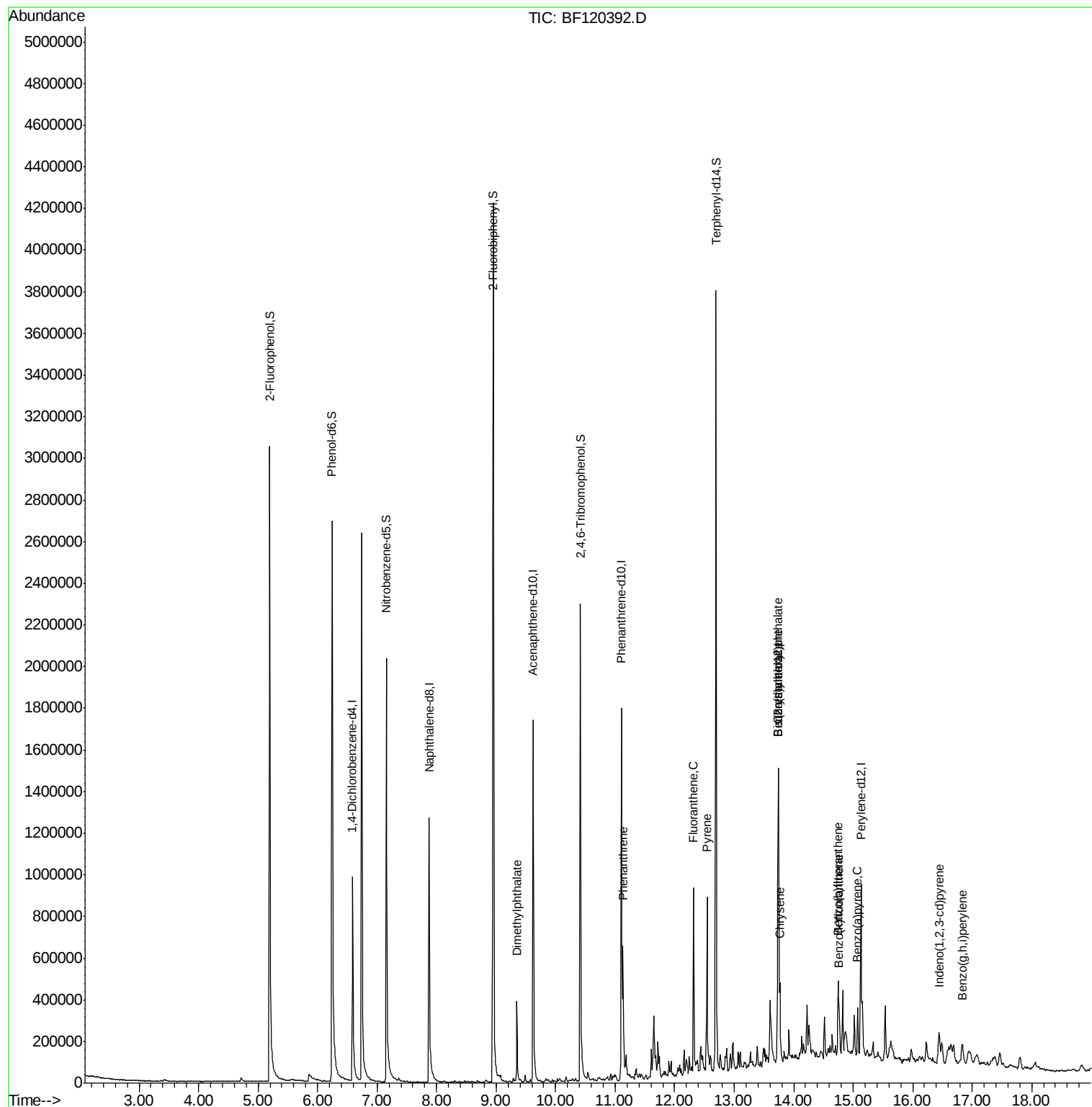
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052120\
Data File : BF120392.D
Acq On : 21 May 2020 20:22
Operator : MA/SJ
Sample : L2728-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

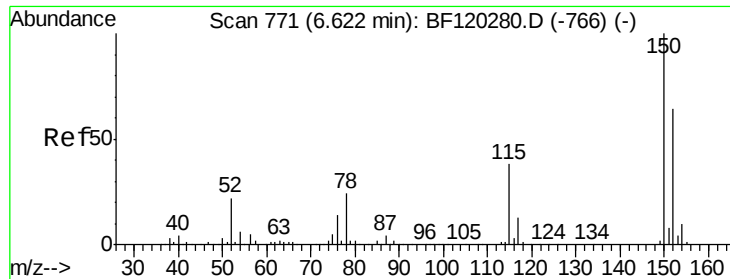
Instrument :
BNA_F
ClientSampleId :
239990

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:57 PM

Quant Time: May 22 02:25:33 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 21 14:56:56 2020
Response via : Initial Calibration





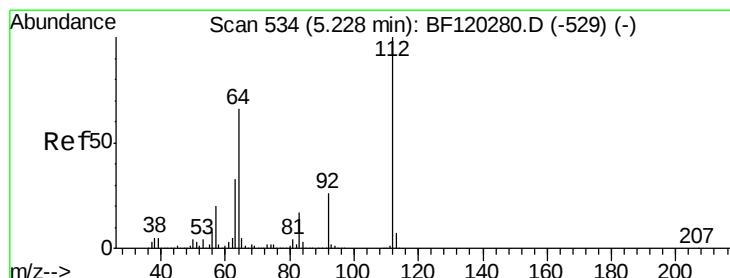
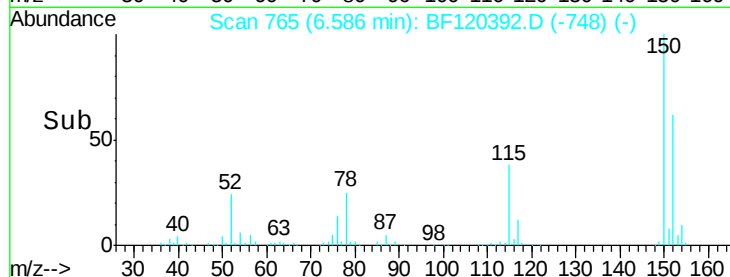
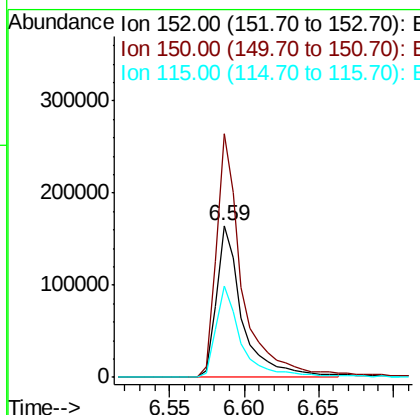
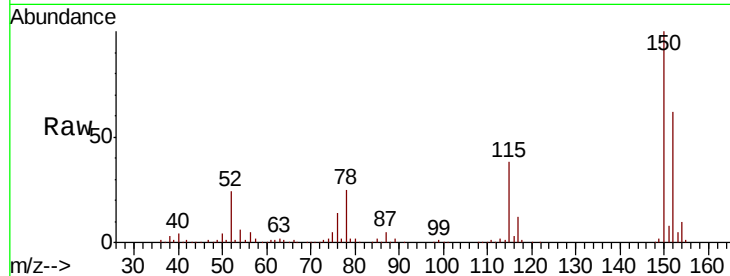
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.59 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BF120392.D
 Acq: 21 May 2020 20:22

Instrument :
 BNA_F
 ClientSampleId :
 239990

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	126.2	189.2
115	60.4	47.9	71.9

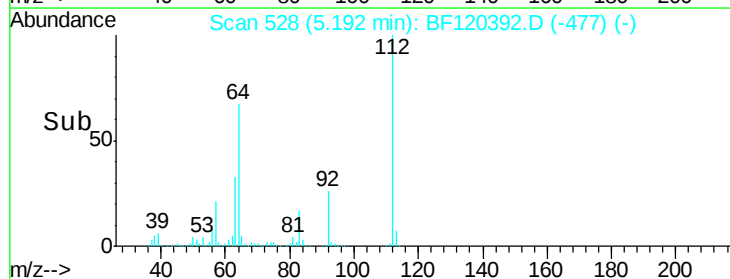
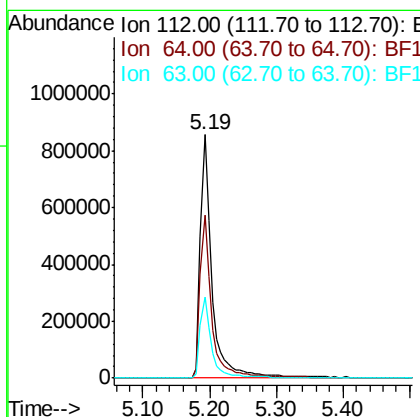
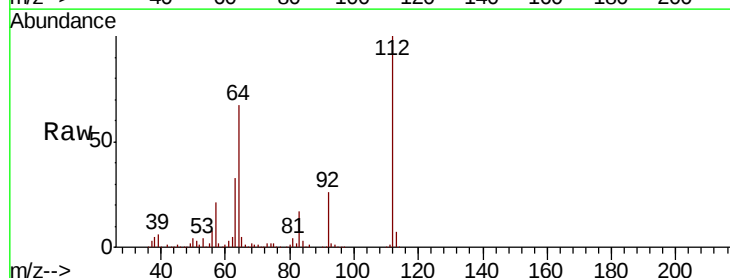
Manual Integrations
 APPROVED

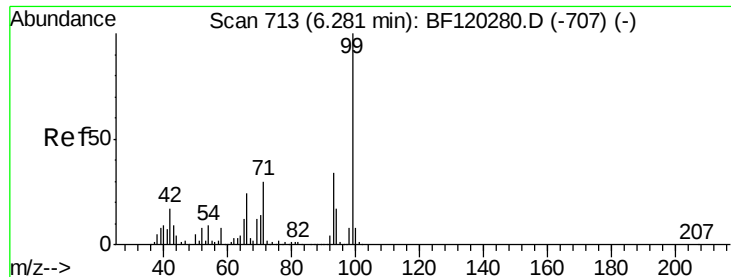
mohammad
 5/22/2020 2:55:57 PM



#5
 2-Fluorophenol
 Concen: 98.168 ng
 RT: 5.19 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: BF120392.D
 Acq: 21 May 2020 20:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	52.7	79.1
63	33.4	26.2	39.4





#7

Phenol-d6

Concen: 106.957 ng

RT: 6.25 min Scan# 707

Delta R.T. -0.01 min

Lab File: BF120392.D

Acq: 21 May 2020 20:22

Instrument :

BNA_F

ClientSampleId :

239990

Tot Ion: 99 Resp: 1397458

Ion Ratio Lower Upper

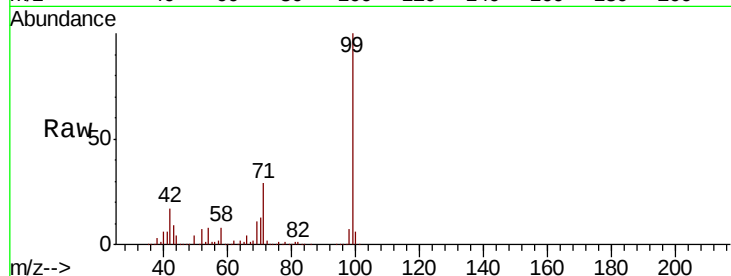
99 100

42 16.9 13.6 20.4

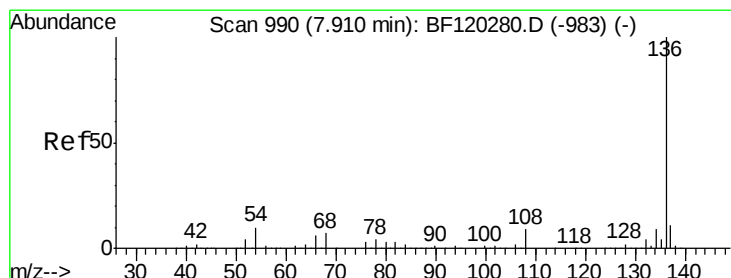
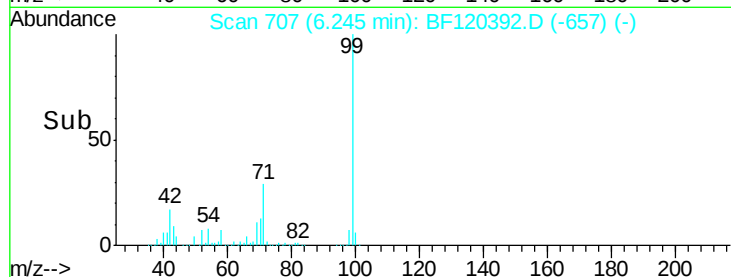
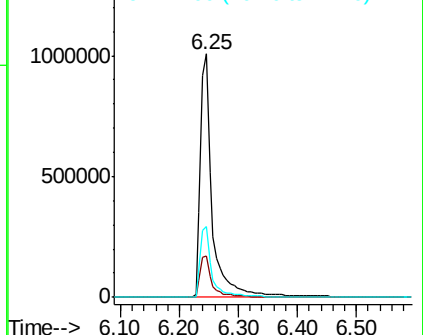
71 29.2 24.2 36.4

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:57 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: 7.87 min Scan# 984

Delta R.T. -0.00 min

Lab File: BF120392.D

Acq: 21 May 2020 20:22

Tgt Ion: 136 Resp: 827283

Ion Ratio Lower Upper

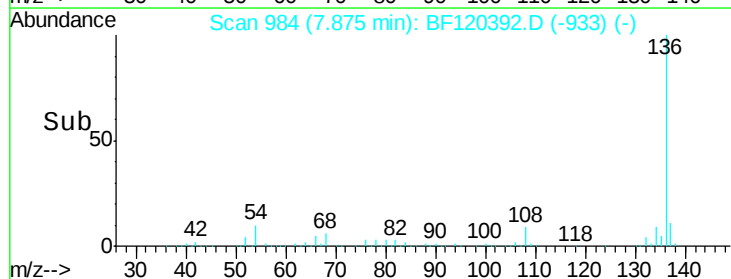
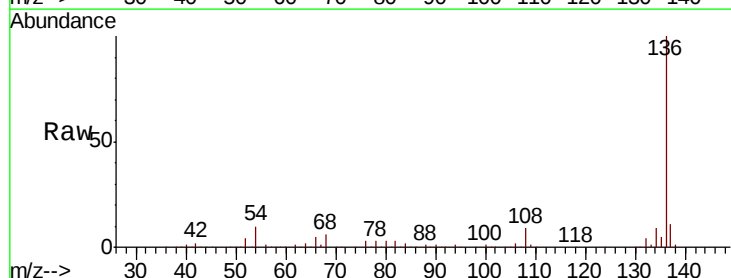
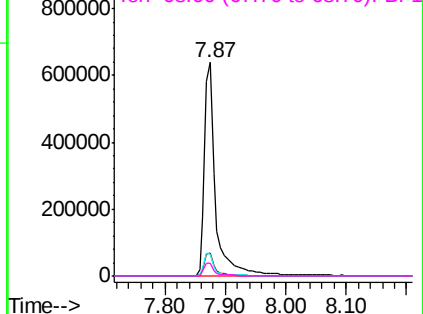
136 100

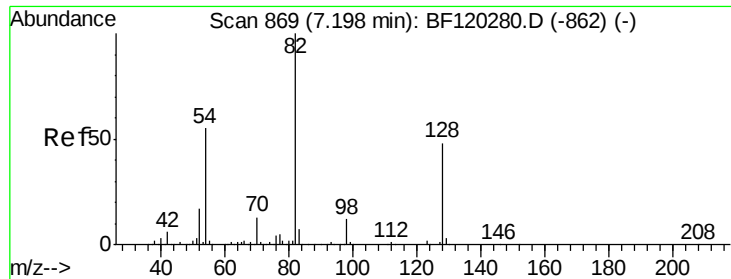
137 10.6 9.1 13.7

54 10.2 7.9 11.9

68 6.1 5.4 8.2

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





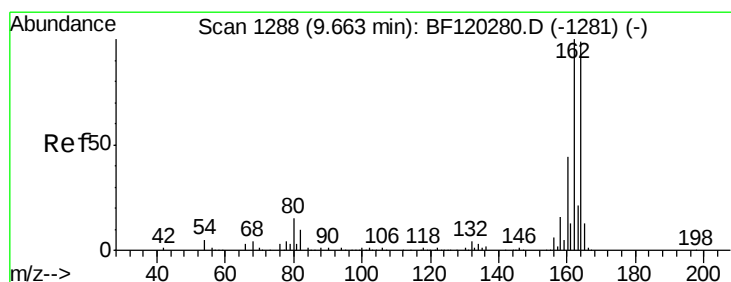
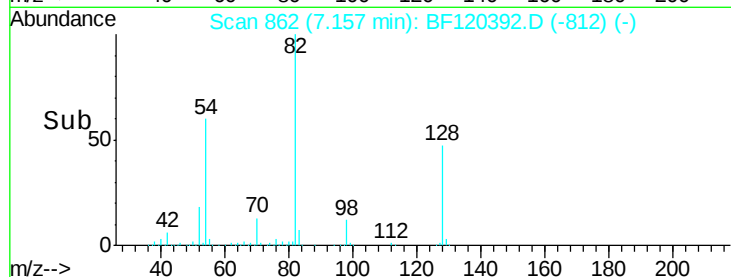
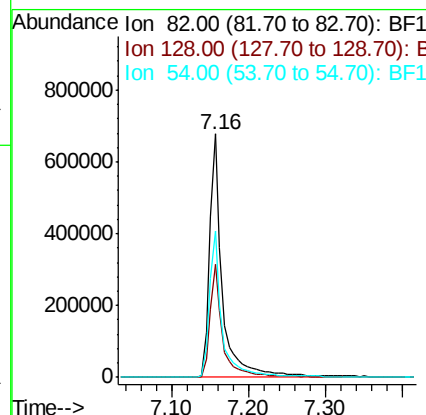
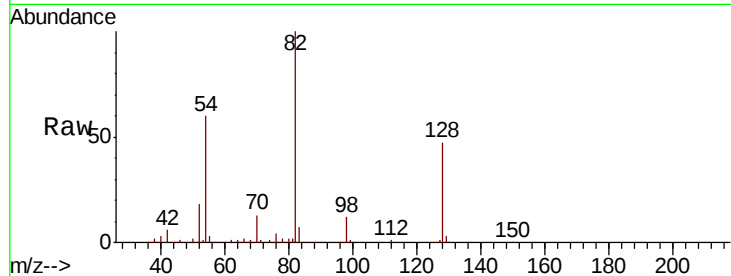
#23
Nitrobenzene-d5
Concen: 65.237 ng
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: BF120392.D
Acq: 21 May 2020 20:22

Instrument :
BNA_F
ClientSampled :
239990

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.6	38.3	57.5
54	60.0	43.9	65.9

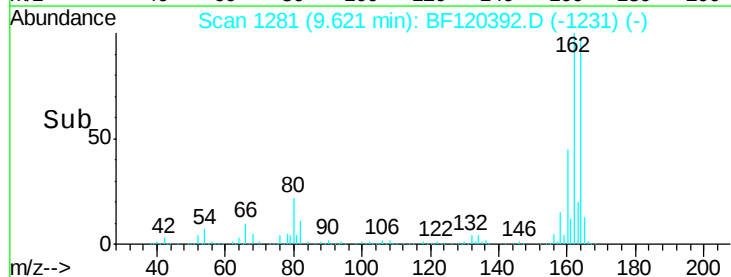
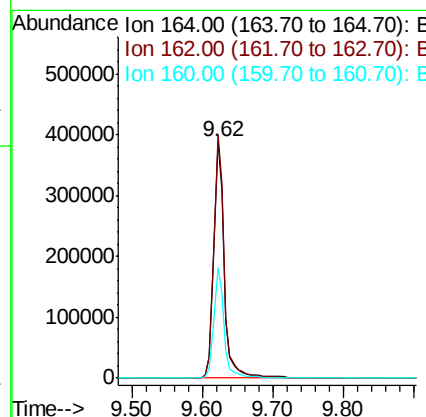
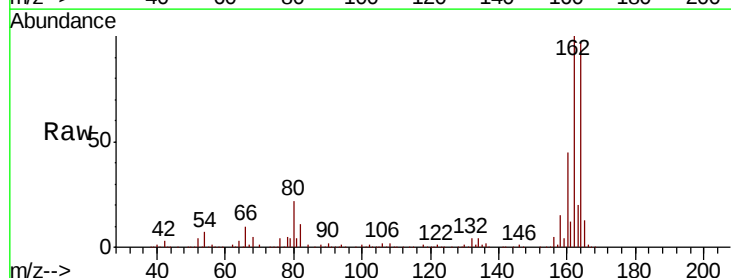
Manual Integrations
APPROVED

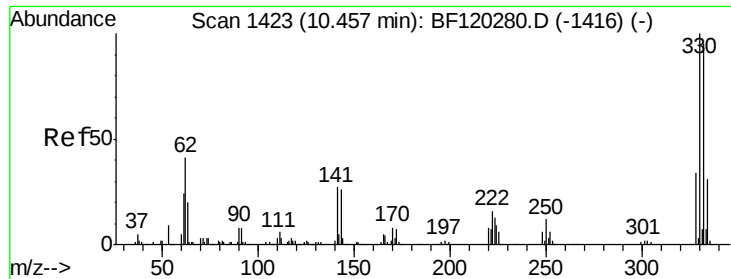
mohammad
5/22/2020 2:55:57 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF120392.D
Acq: 21 May 2020 20:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	81.2	121.8
160	47.0	35.8	53.6





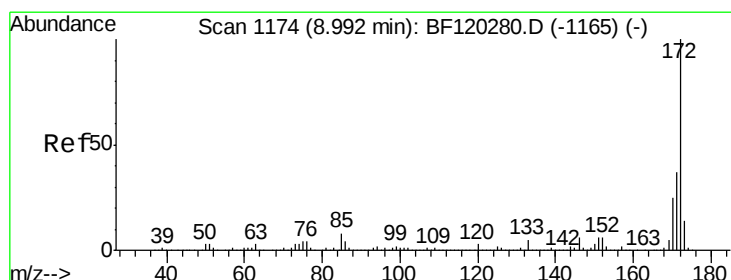
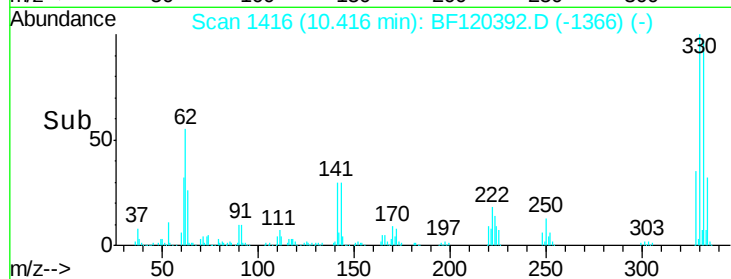
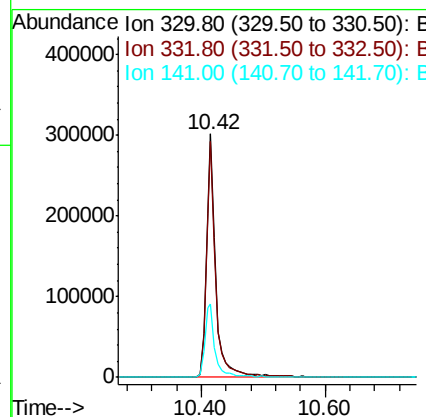
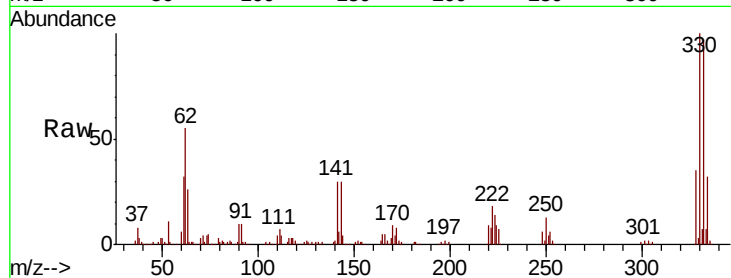
#42
 2,4,6-Tribromophenol
 Concen: 100.353 ng
 RT: 10.42 min Scan# 1416
 Delta R.T. -0.01 min
 Lab File: BF120392.D
 Acq: 21 May 2020 20:22

Instrument :
 BNA_F
 ClientSampleId :
 239990

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.5	114.7
141	33.2	25.4	38.0

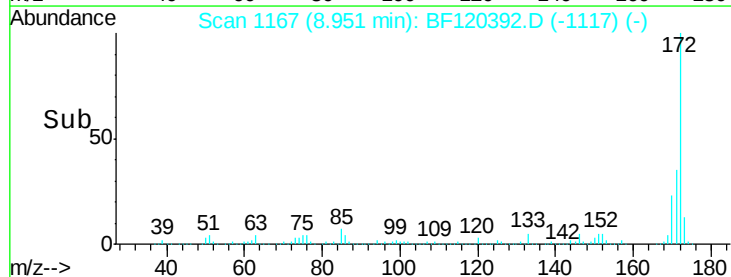
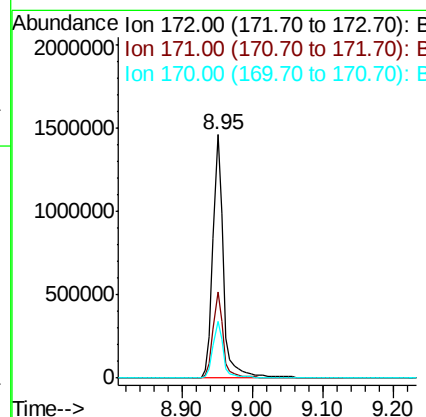
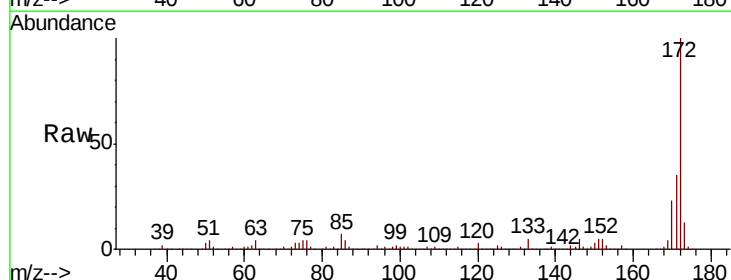
Manual Integrations
 APPROVED

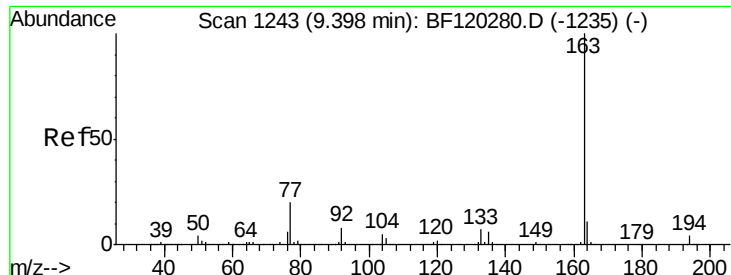
mohammad
 5/22/2020 2:55:57 PM



#45
 2-Fluorobiphenyl
 Concen: 77.943 ng
 RT: 8.95 min Scan# 1167
 Delta R.T. -0.01 min
 Lab File: BF120392.D
 Acq: 21 May 2020 20:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.3	19.9	29.9





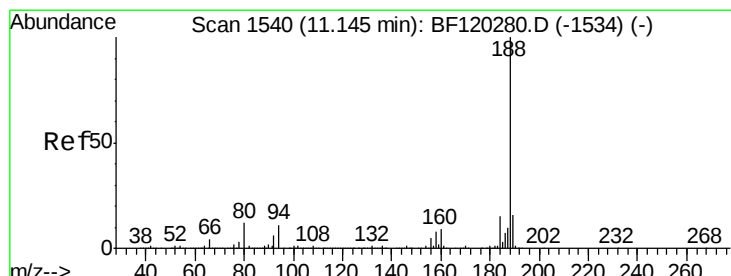
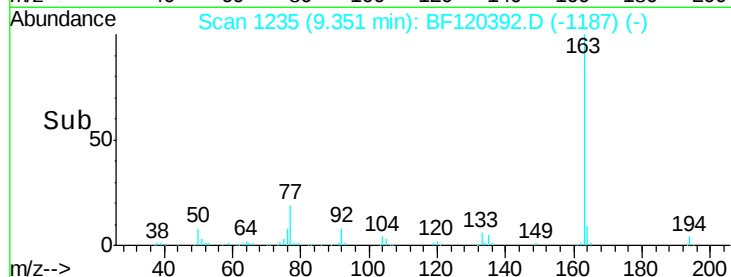
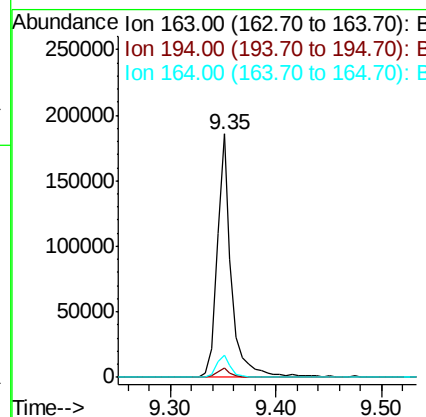
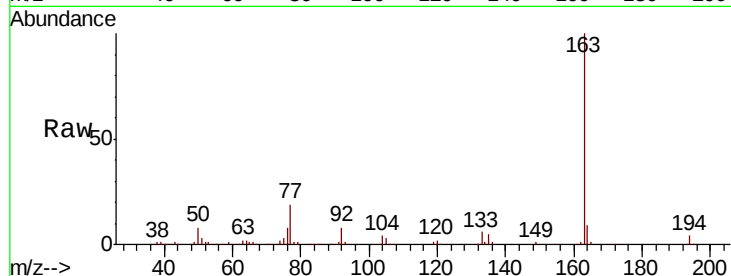
#50
Dimethylphthalate
Concen: 6.895 ng
RT: 9.35 min Scan# 1235
Delta R.T. -0.02 min
Lab File: BF120392.D
Acq: 21 May 2020 20:22

Instrument :
BNA_F
ClientSampled :
239990

Tot Ion:	163	Resp:	175464
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.1	4.7
164	9.0	8.6	12.8

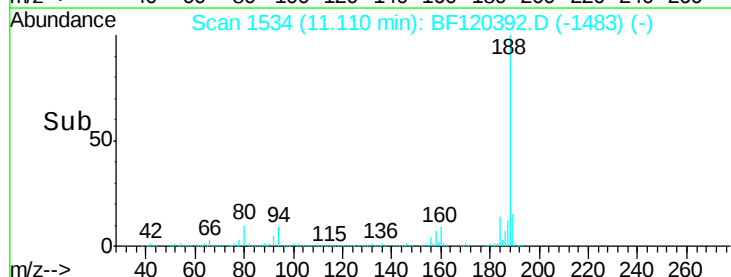
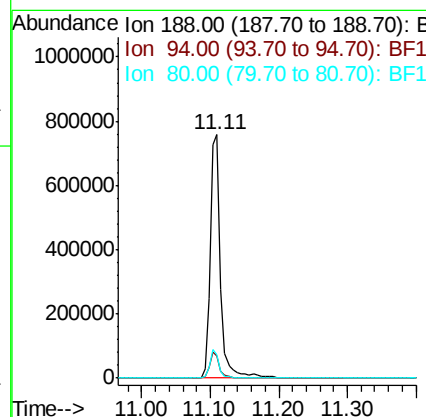
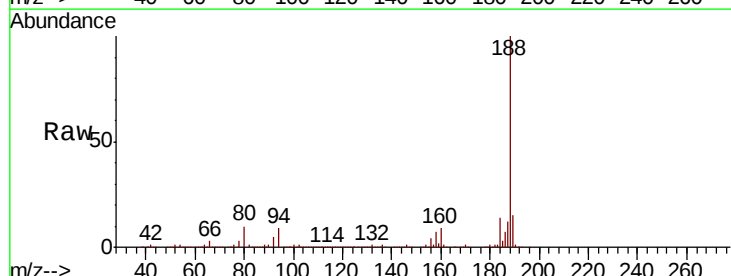
Manual Integrations
APPROVED

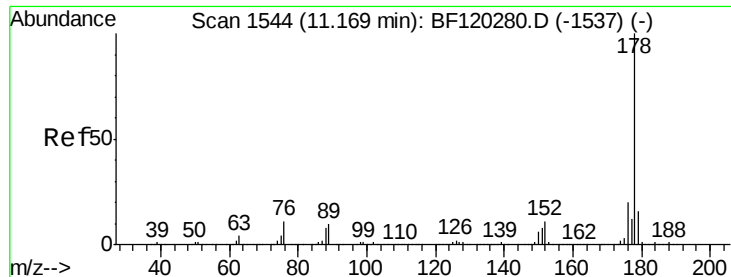
mohammad
5/22/2020 2:55:57 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1534
Delta R.T. -0.00 min
Lab File: BF120392.D
Acq: 21 May 2020 20:22

Tgt Ion:	188	Resp:	813553
Ion Ratio	Lower	Upper	
188	100		
94	9.3	8.6	13.0
80	9.5	9.2	13.8





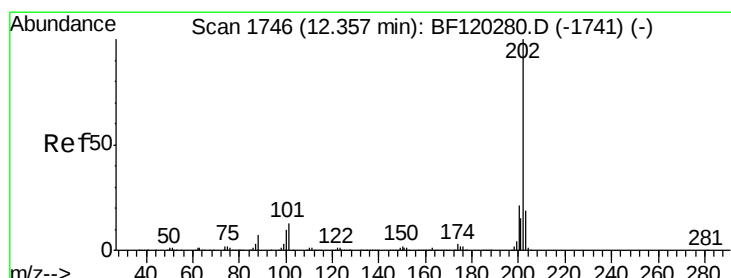
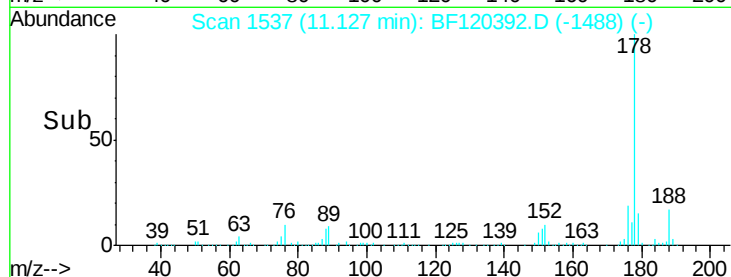
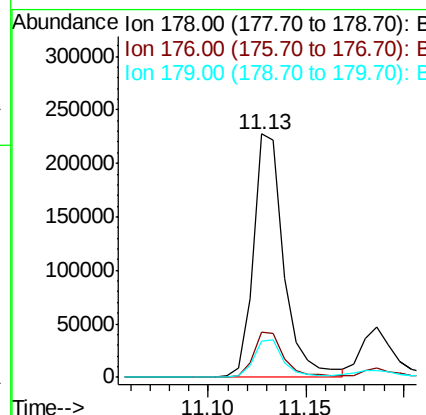
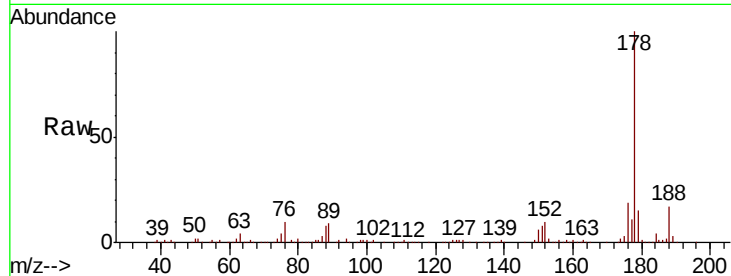
#71
Phenanthrene
Concen: 7.202 ng
RT: 11.13 min Scan# 1537
Delta R.T. -0.01 min
Lab File: BF120392.D
Acq: 21 May 2020 20:22

Instrument :
BNA_F
ClientSampleId :
239990

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.0	12.8	19.2

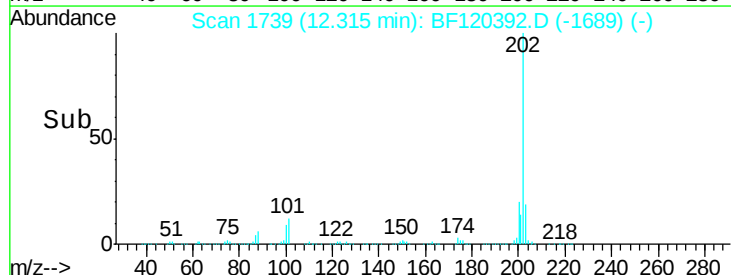
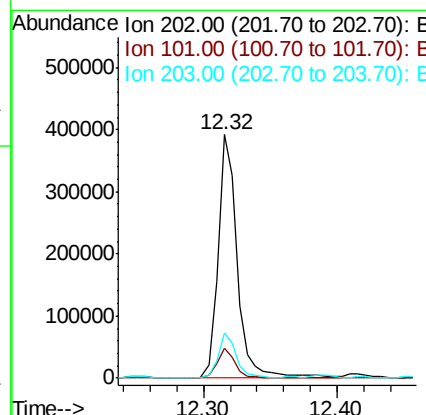
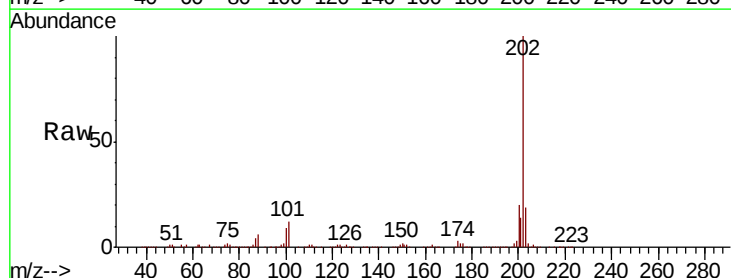
Manual Integrations
APPROVED

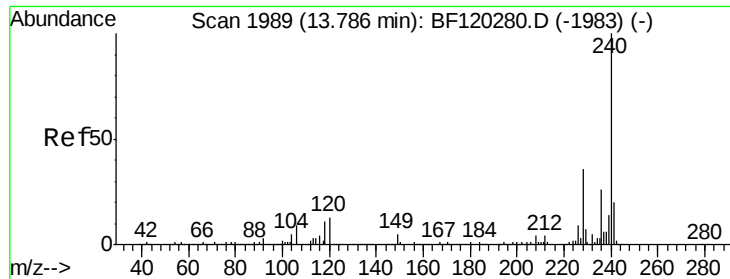
mohammad
5/22/2020 2:55:57 PM



#75
Fluoranthene
Concen: 10.763 ng
RT: 12.32 min Scan# 1739
Delta R.T. -0.01 min
Lab File: BF120392.D
Acq: 21 May 2020 20:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	18.8	0.0	39.1





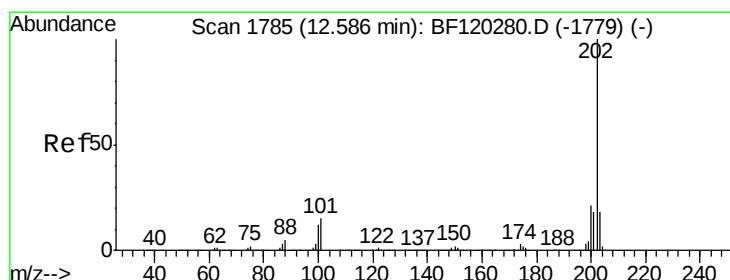
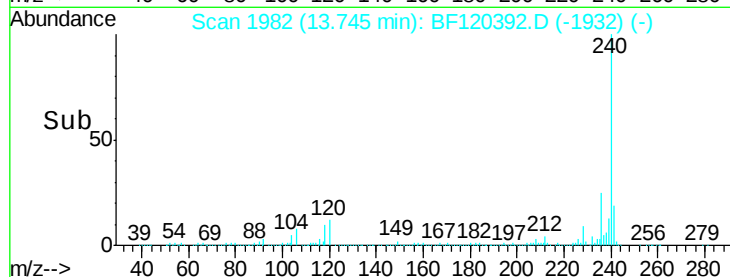
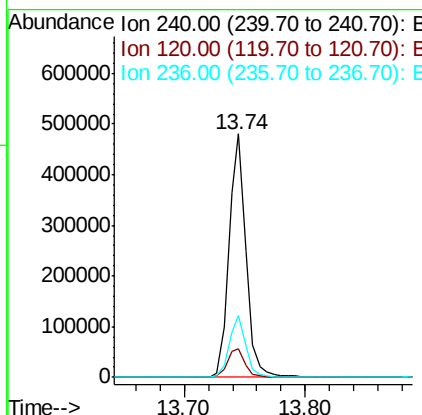
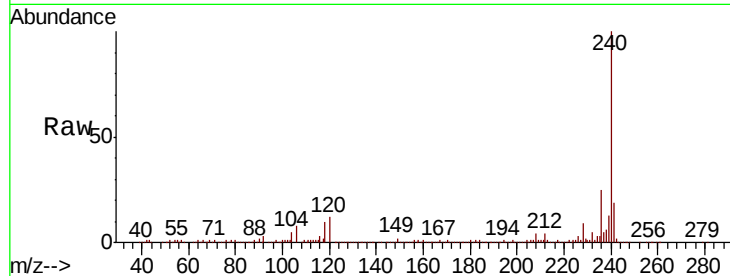
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.74 min Scan# 1982
Delta R.T. -0.01 min
Lab File: BF120392.D
Acq: 21 May 2020 20:22

Instrument :
BNA_F
ClientSampleId :
239990

Tot Ion	Ratio	Resp	Lower	Upper
240	100	466266		
120	11.9	10.4	15.6	
236	25.5	21.0	31.6	

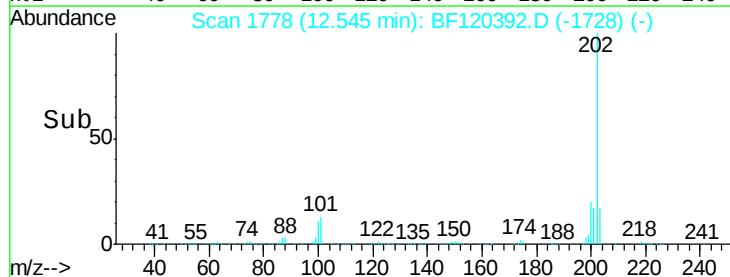
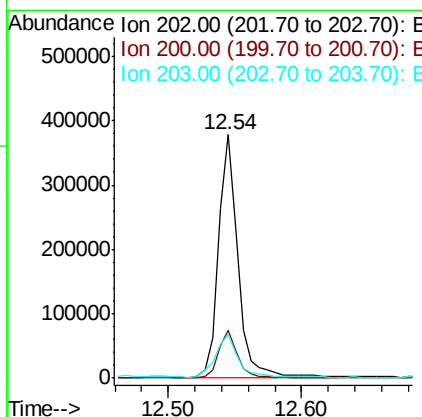
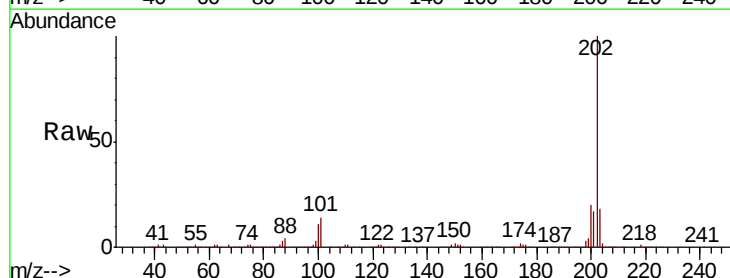
Manual Integrations
APPROVED

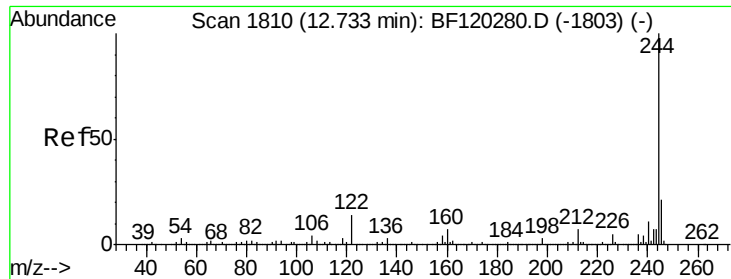
mohammad
5/22/2020 2:55:57 PM



#78
Pyrene
Concen: 11.644 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF120392.D
Acq: 21 May 2020 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	387056		
200	19.6	16.6	25.0	
203	17.9	14.6	22.0	





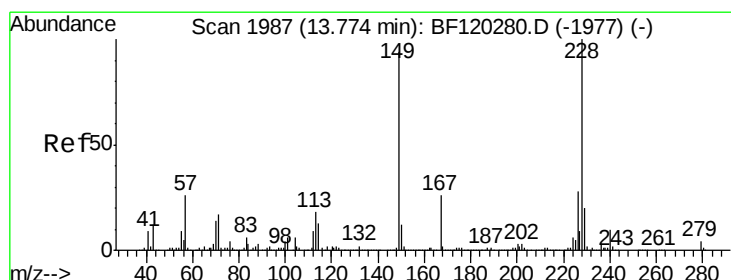
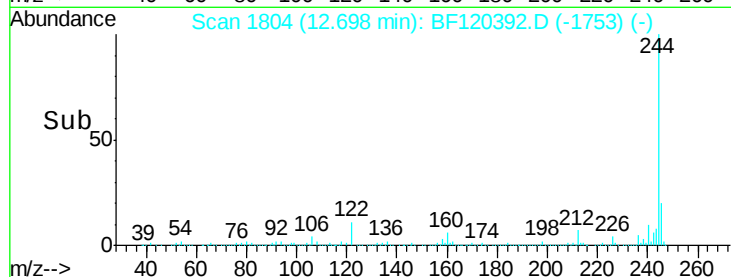
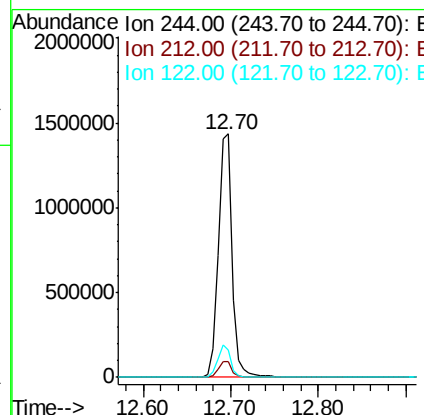
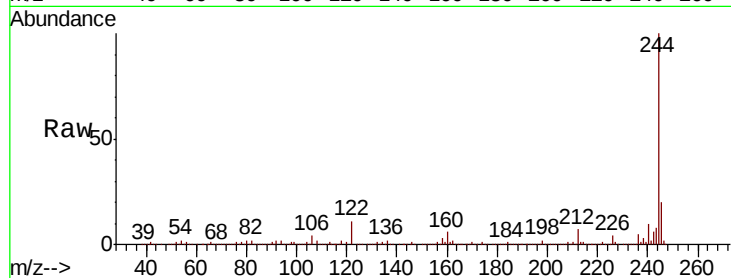
#79
 Terphenyl-d14
 Concen: 74.509 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: BF120392.D
 Acq: 21 May 2020 20:22

Instrument :
 BNA_F
 ClientSampleId :
 239990

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	11.0	10.8	16.2

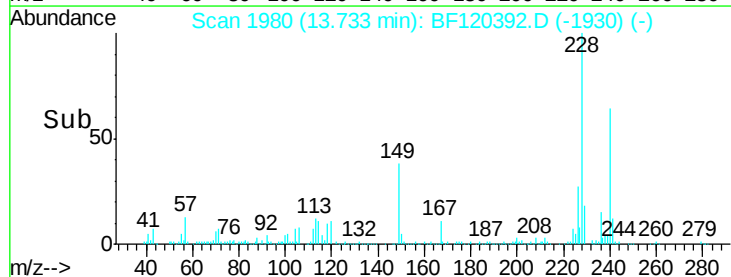
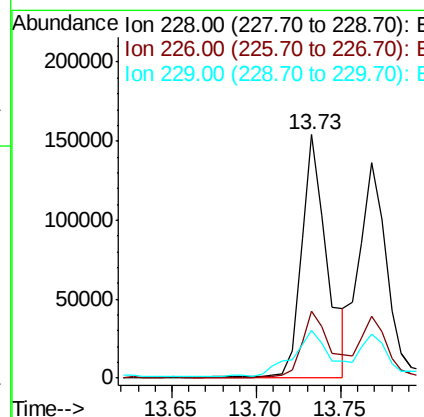
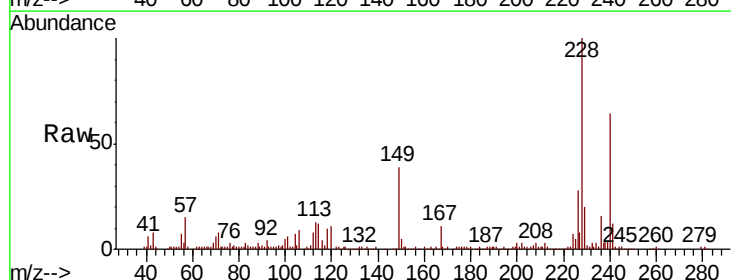
Manual Integrations
 APPROVED

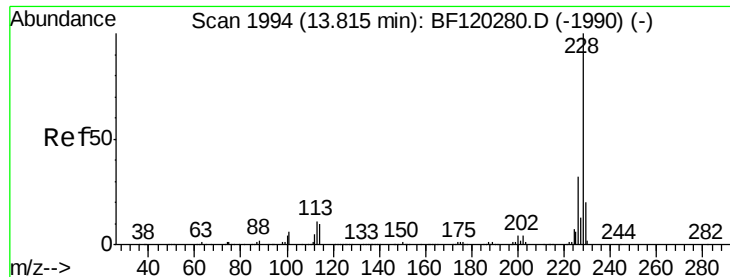
mohammad
 5/22/2020 2:55:57 PM



#81
 Benzo(a)anthracene
 Concen: 6.570 ng
 RT: 13.73 min Scan# 1980
 Delta R.T. -0.01 min
 Lab File: BF120392.D
 Acq: 21 May 2020 20:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	19.7	16.4	24.6





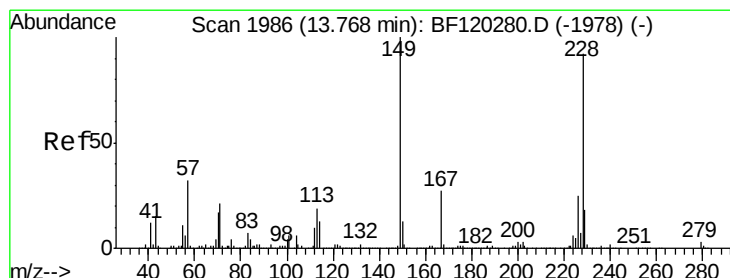
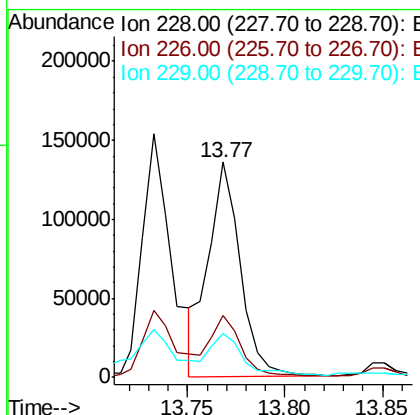
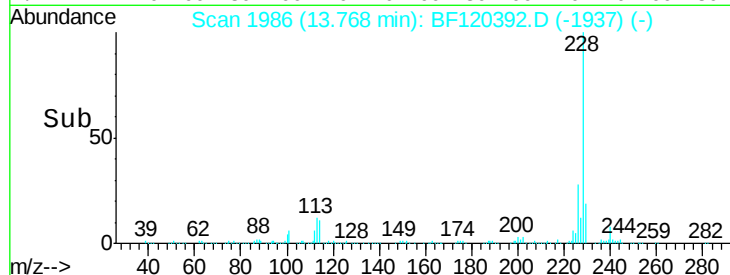
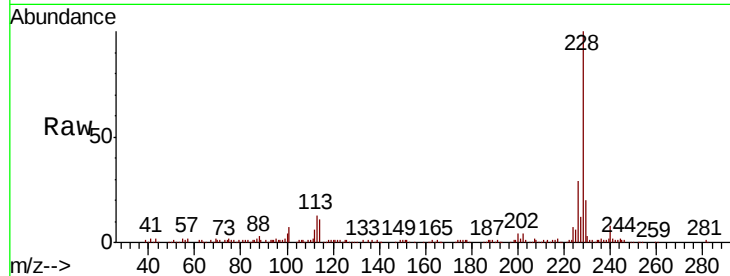
#83
Chrysene
Concen: 5.883 ng
RT: 13.77 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BF120392.D
Acq: 21 May 2020 20:22

Instrument :
BNA_F
ClientSampleId :
239990

Tot Ion: 228	Resp: 155358
Ion Ratio	Lower Upper
228 100	
226 28.6	25.0 37.6
229 20.3	16.2 24.4

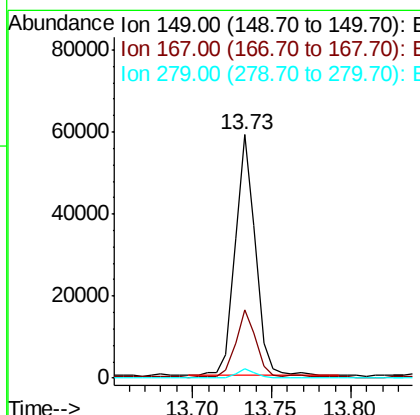
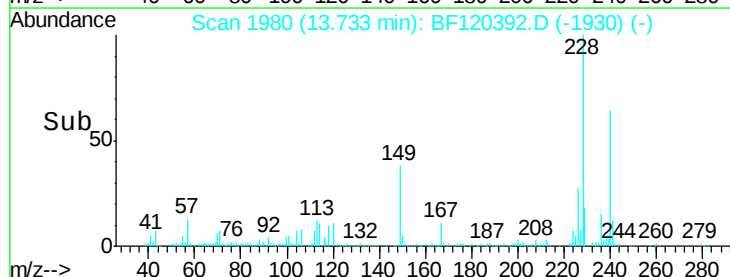
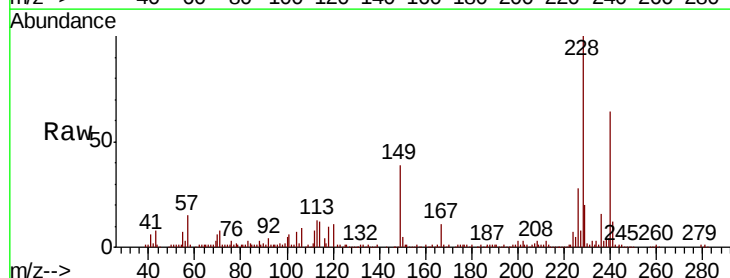
Manual Integrations
APPROVED

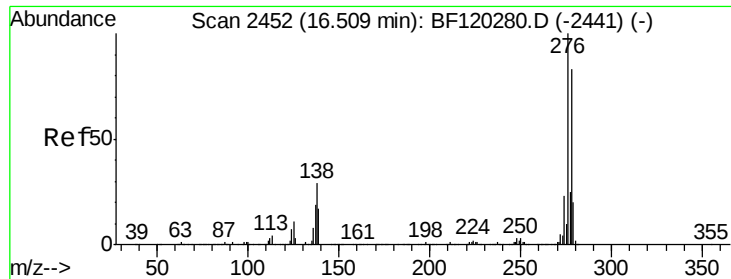
mohammad
5/22/2020 2:55:57 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.683 ng
RT: 13.73 min Scan# 1980
Delta R.T. -0.01 min
Lab File: BF120392.D
Acq: 21 May 2020 20:22

Tgt Ion: 149	Resp: 52244
Ion Ratio	Lower Upper
149 100	
167 27.9	21.8 32.8
279 3.7	2.8 4.2





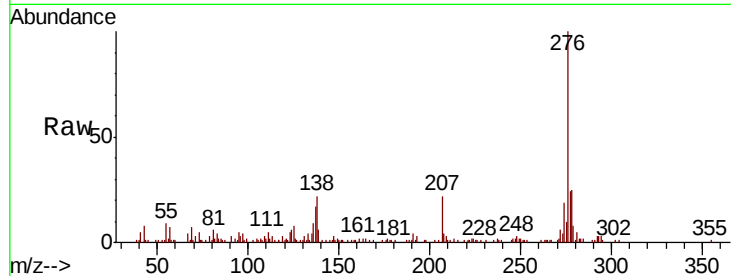
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.647 ng
RT: 16.44 min Scan# 2441
Delta R.T. -0.00 min
Lab File: BF120392.D
Acq: 21 May 2020 20:22

Instrument :
BNA_F
ClientSampleId :
239990

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.2	23.3	34.9#
277	22.3	20.2	30.4

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:57 PM

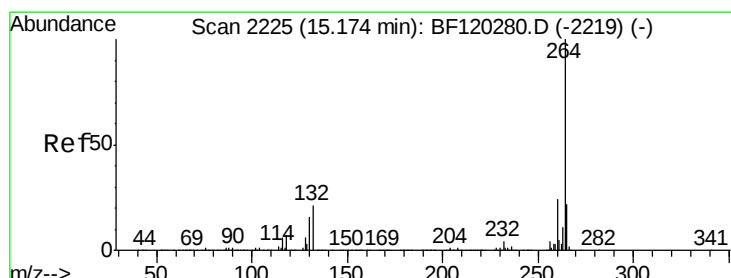
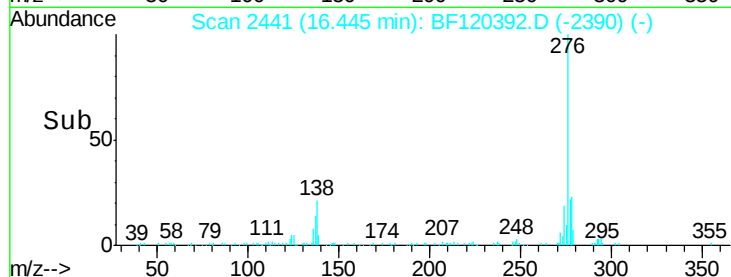
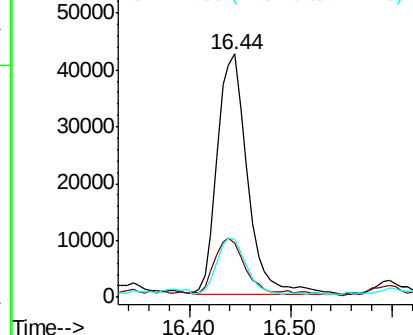


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BF120392.D
Acq: 21 May 2020 20:22

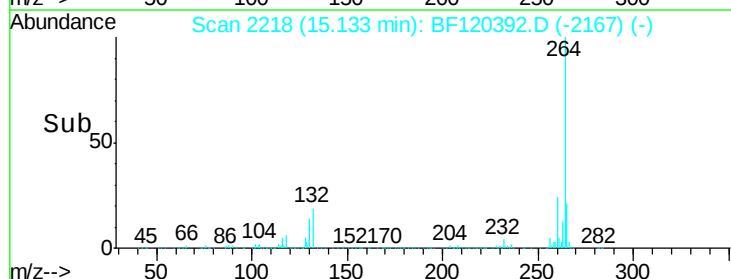
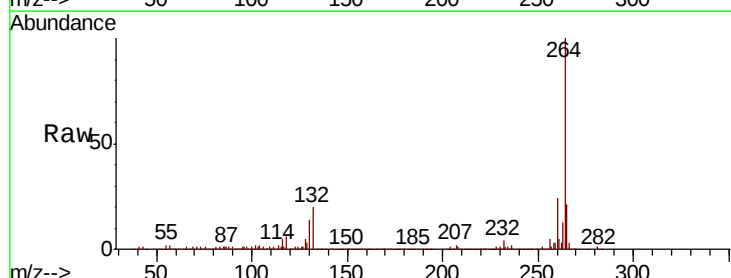
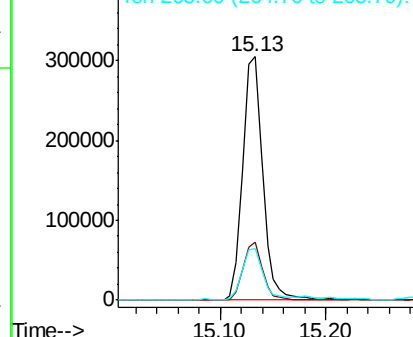
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	21.4	17.5	26.3

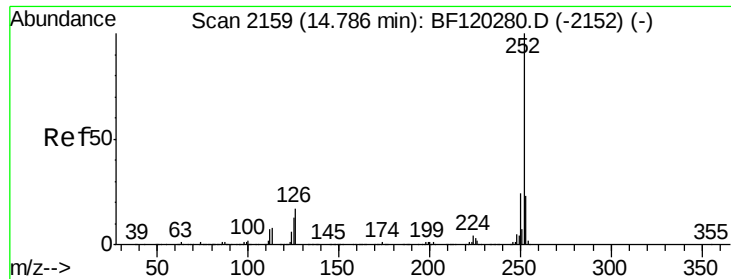
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





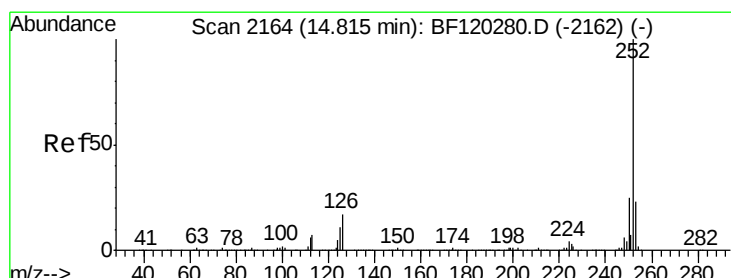
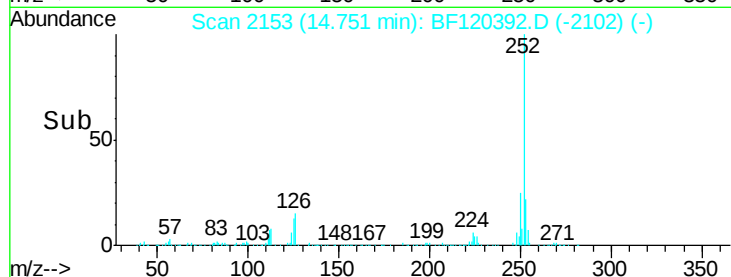
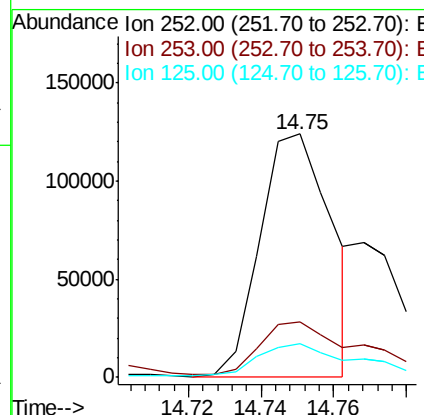
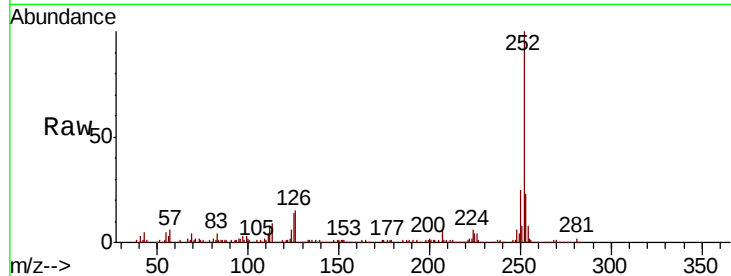
#88
Benzo(b)fluoranthene
Concen: 7.719 ng m
RT: 14.75 min Scan# 2153
Delta R.T. -0.00 min
Lab File: BF120392.D
Acq: 21 May 2020 20:22

Instrument :
BNA_F
ClientSampleId :
239990

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	13.7	10.4	15.6

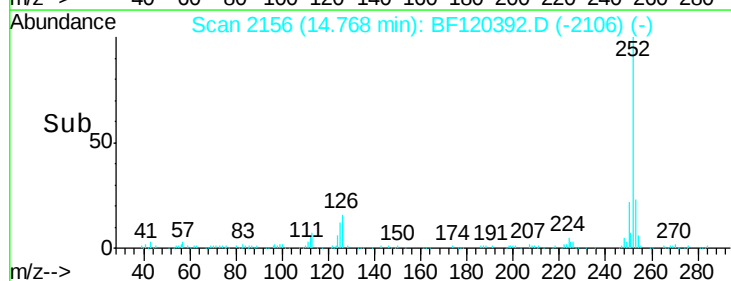
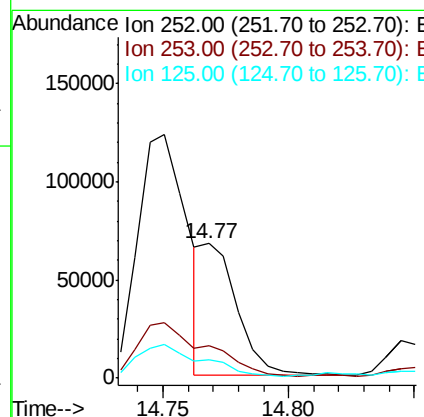
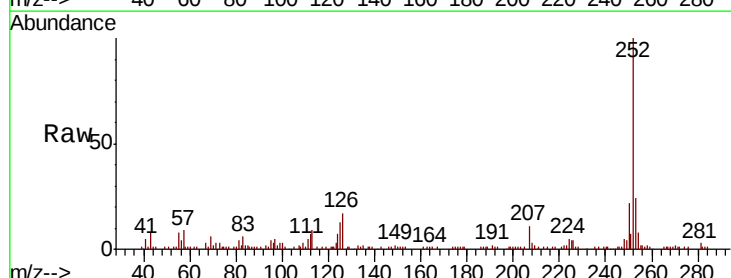
Manual Integrations
APPROVED

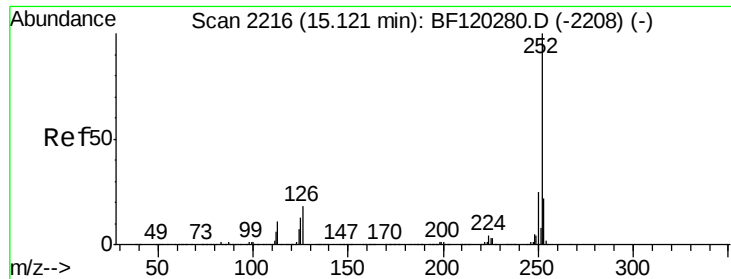
mohammad
5/22/2020 2:55:57 PM



#89
Benzo(k)fluoranthene
Concen: 3.410 ng m
RT: 14.77 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BF120392.D
Acq: 21 May 2020 20:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	13.5	9.9	14.9





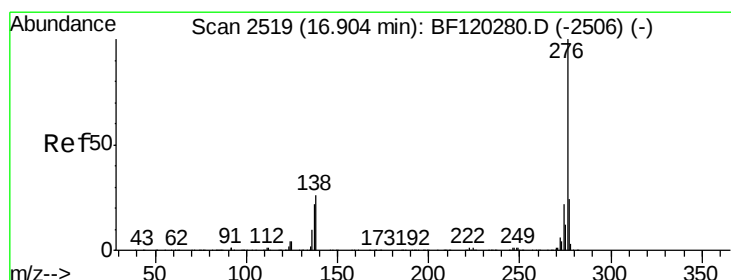
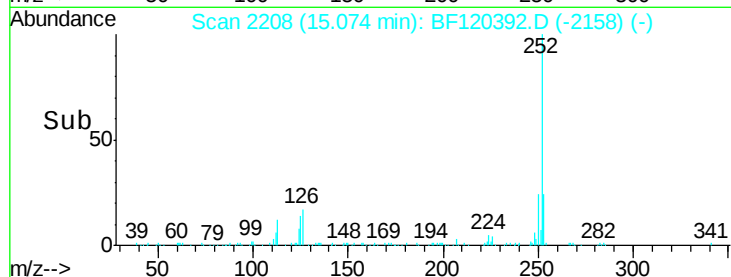
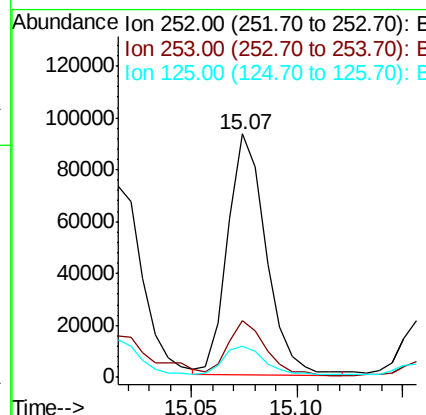
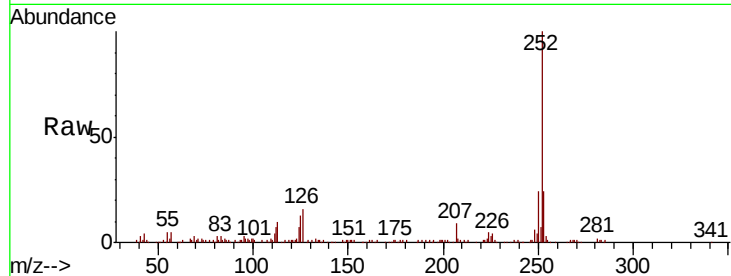
#90
Benzo(a)pyrene
Concen: 5.990 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF120392.D
Acq: 21 May 2020 20:22

Instrument :
BNA_F
ClientSampleId :
239990

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	12.8	10.6	16.0

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:57 PM



#92
Benzo(g,h,i)perylene
Concen: 4.837 ng
RT: 16.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: BF120392.D
Acq: 21 May 2020 20:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.1	28.7
138	24.7	20.8	31.2

