

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070221\
 Data File : BF124527.D
 Acq On : 2 Jul 2021 20:02
 Operator : JU/CG
 Sample : M2913-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-3100

Manual Integrations
 APPROVED

mohammad
 7/7/2021 11:35:18 AM

Quant Time: Jul 03 01:45:29 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 02 14:41:35 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.669	152	29405	20.00	ng	0.00
21) Naphthalene-d8	7.951	136	101946	20.00	ng	# 0.00
39) Acenaphthene-d10	9.704	164	52155	20.00	ng	0.00
64) Phenanthrene-d10	11.192	188	87382	20.00	ng	# 0.00
76) Chrysene-d12	13.839	240	79827	20.00	ng	0.00
86) Perylene-d12	15.262	264	66121	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.298	112	175347	93.78	ng	0.00
7) Phenol-d6	6.328	99	206505	84.59	ng	0.00
23) Nitrobenzene-d5	7.239	82	158246	64.36	ng	-0.01
42) 2,4,6-Tribromophenol	10.498	330	54588	87.60	ng	0.00
45) 2-Fluorobiphenyl	9.027	172	275342	64.67	ng	0.00
79) Terphenyl-d14	12.774	244	244331	45.84	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.216	178	85226	15.47	ng	96
72) Anthracene	11.269	178	19754m	3.60	ng	
75) Fluoranthene	12.410	202	149693	27.00	ng	96
78) Pyrene	12.633	202	142463	19.55	ng	98
81) Benzo(a)anthracene	13.827	228	76324	13.26	ng	# 95
83) Chrysene	13.862	228	66349m	11.63	ng	
84) Bis(2-ethylhexyl)phtha...	13.810	149	25024	6.45	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.662	276	26129	5.01	ng	99
88) Benzo(b)fluoranthene	14.862	252	79732m	15.91	ng	
89) Benzo(k)fluoranthene	14.886	252	21945m	4.79	ng	
90) Benzo(a)pyrene	15.209	252	51775	11.63	ng	# 95
92) Benzo(g,h,i)perylene	17.086	276	20522	4.64	ng	# 93

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

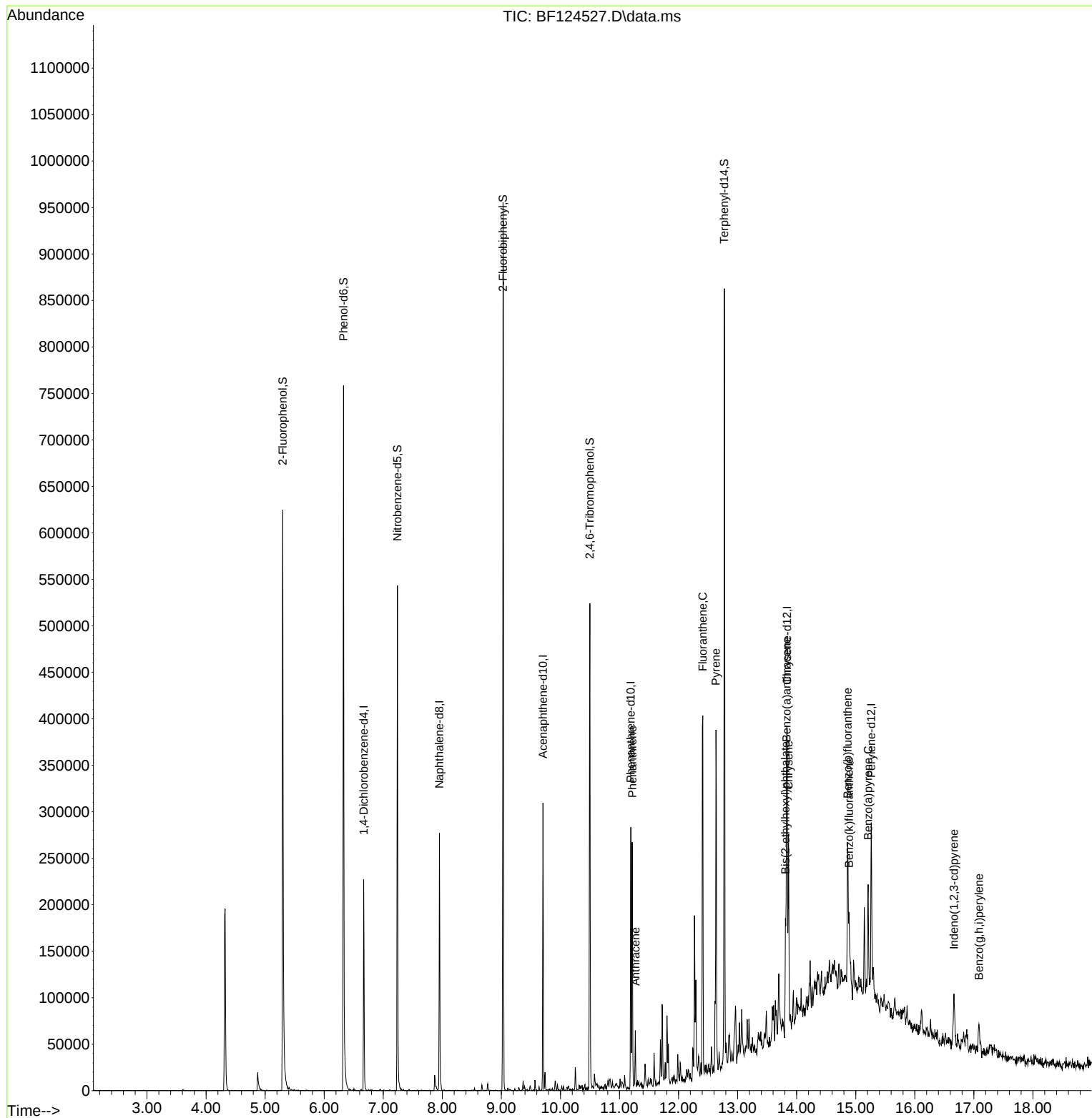
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070221\
Data File : BF124527.D
Acq On : 2 Jul 2021 20:02
Operator : JU/CG
Sample : M2913-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

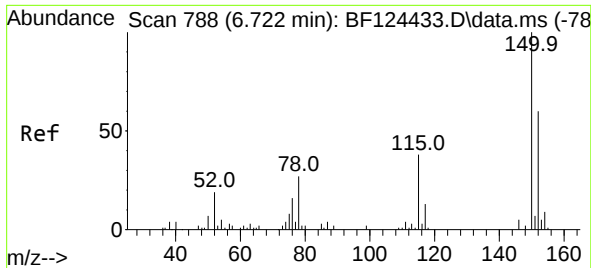
Instrument :
BNA_F
ClientSampleId :
D-3100

Manual Integrations
APPROVED

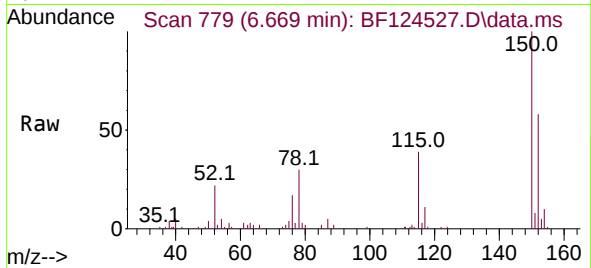
mohammad
7/7/2021 11:35:18 AM

Quant Time: Jul 03 01:45:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 02 14:41:35 2021
Response via : Initial Calibration

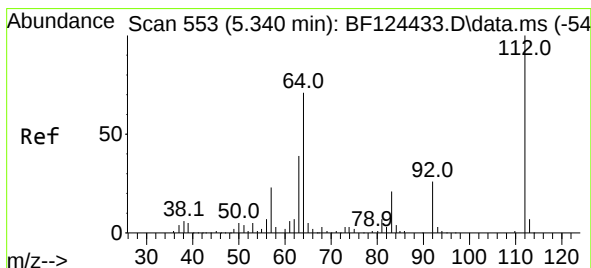
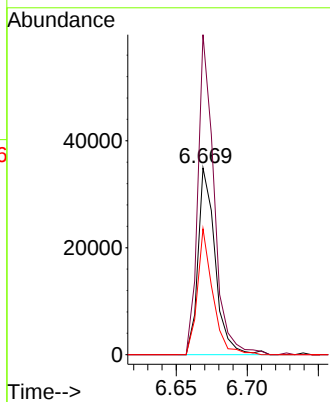
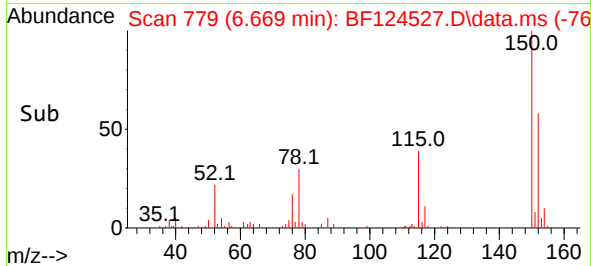




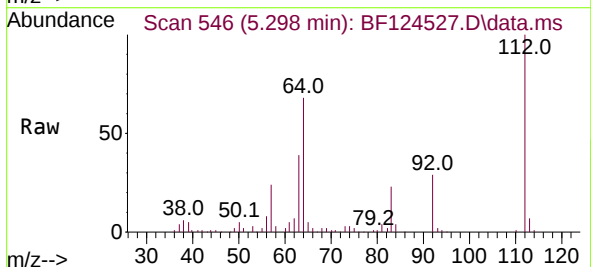
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.669 min Scan# 779
Delta R.T. -0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02



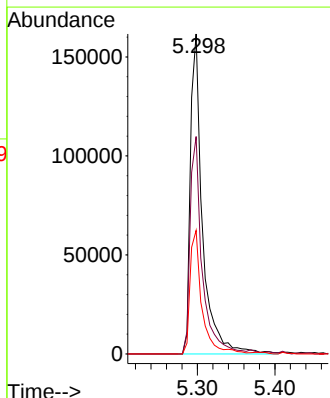
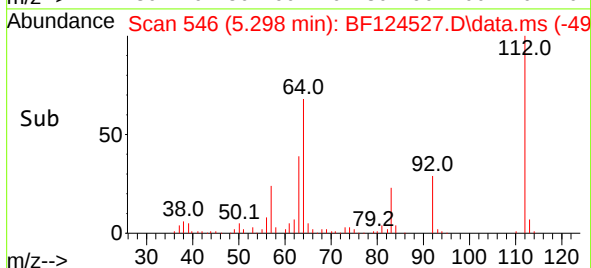
Tgt Ion:152 Resp: 29405
Ion Ratio Lower Upper
152 100
150 171.4 127.0 190.6
115 67.5 54.3 81.5



#5
2-Fluorophenol
Concen: 93.78 ng
RT: 5.298 min Scan# 546
Delta R.T. 0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02



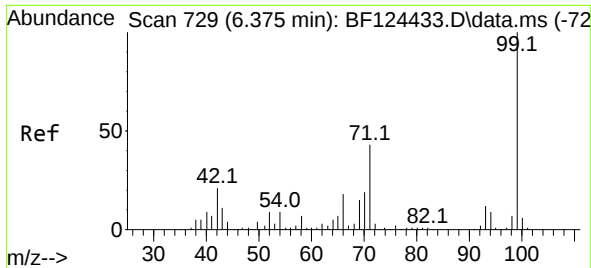
Tgt Ion:112 Resp: 175347
Ion Ratio Lower Upper
112 100
64 68.0 61.4 92.0
63 38.6 33.0 49.4



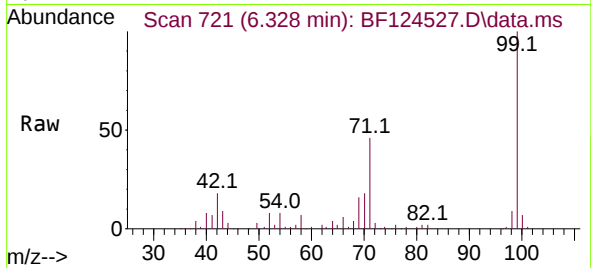
Instrument :
BNA_F
ClientSampleId :
D-3100

Manual Integrations
APPROVED

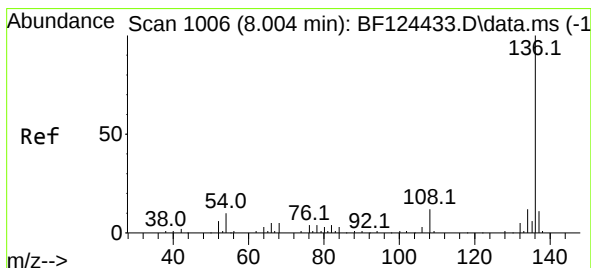
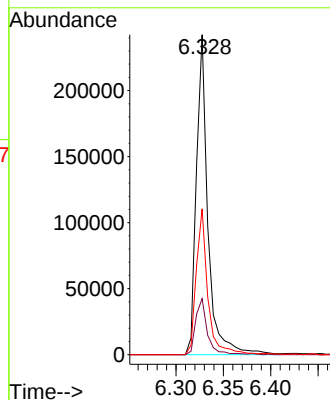
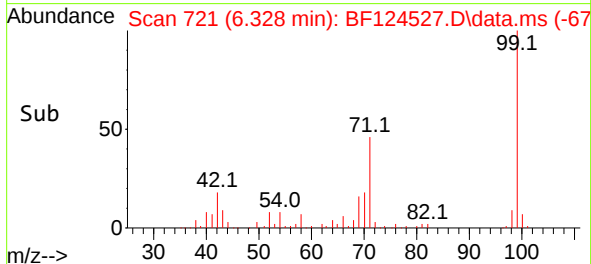
mohammad
7/7/2021 11:35:18 AM



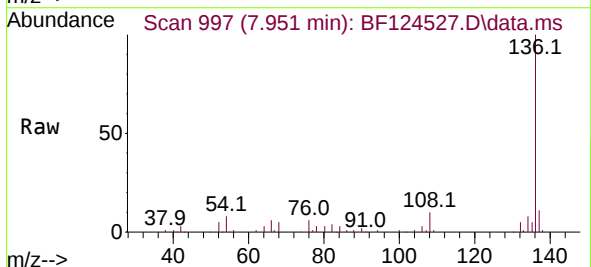
#7
Phenol-d6
Concen: 84.59 ng
RT: 6.328 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02



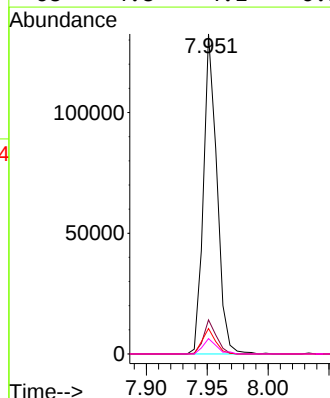
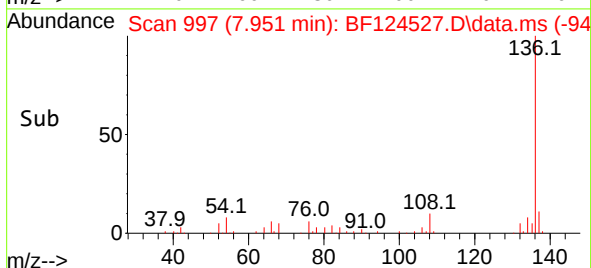
Tgt Ion: 99 Resp: 206505
Ion Ratio Lower Upper
99 100
42 17.5 19.8 29.8#
71 45.6 31.1 46.7



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.951 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02



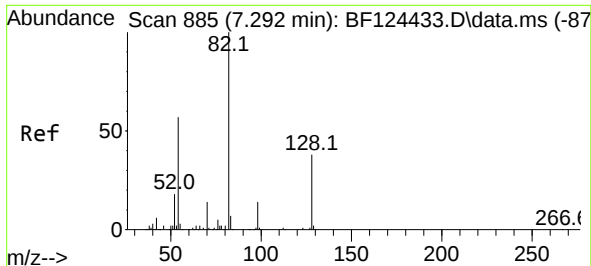
Tgt Ion: 136 Resp: 101946
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 7.9 9.8 14.6#
68 4.8 4.1 6.1



Instrument :
BNA_F
ClientSampleId :
D-3100

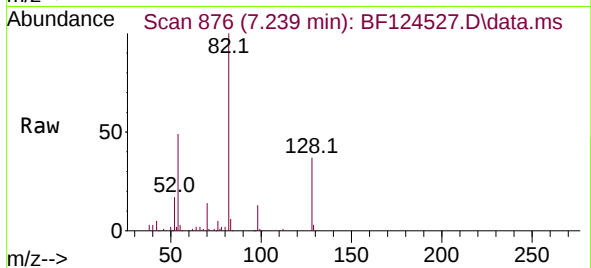
Manual Integrations
APPROVED

mohammad
7/7/2021 11:35:18 AM



#23
Nitrobenzene-d5
Concen: 64.36 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

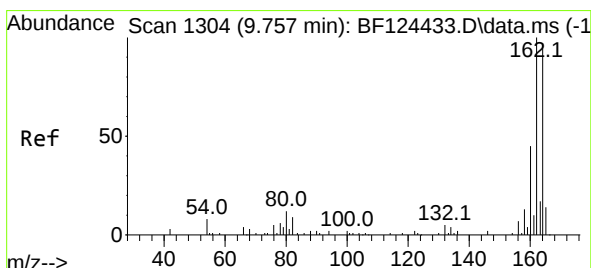
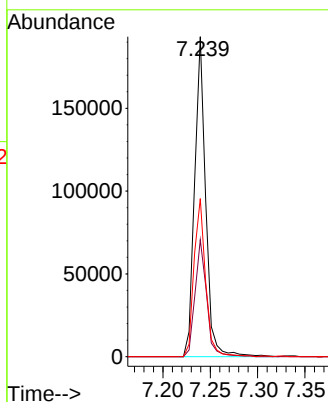
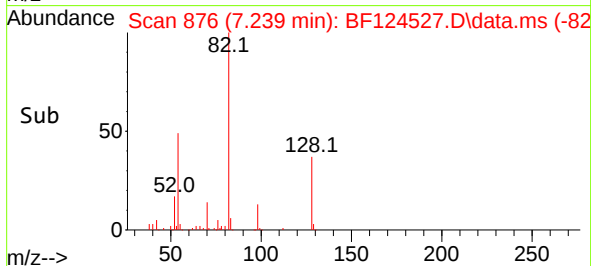
Instrument :
BNA_F
ClientSampleId :
D-3100



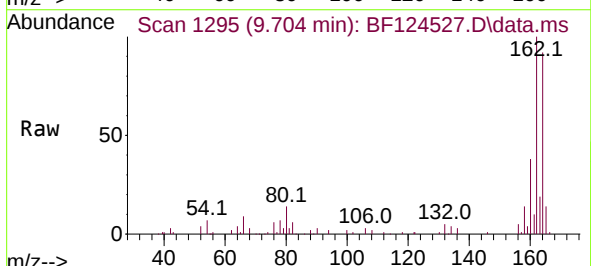
Tgt Ion: 82 Resp: 158246
Ion Ratio Lower Upper
82 100
128 36.5 29.4 44.2
54 49.4 54.1 81.1#

Manual Integrations
APPROVED

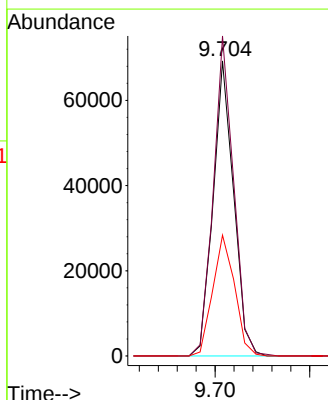
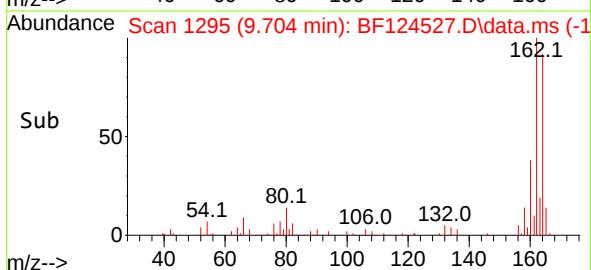
mohammad
7/7/2021 11:35:18 AM

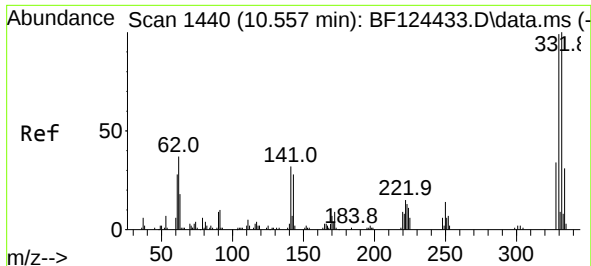


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

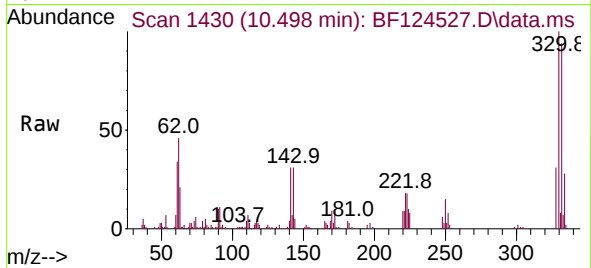


Tgt Ion: 164 Resp: 52155
Ion Ratio Lower Upper
164 100
162 108.5 80.7 121.1
160 40.9 37.3 55.9

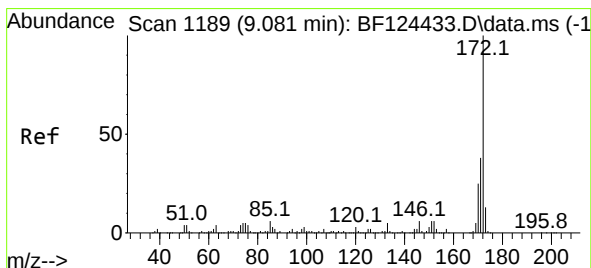
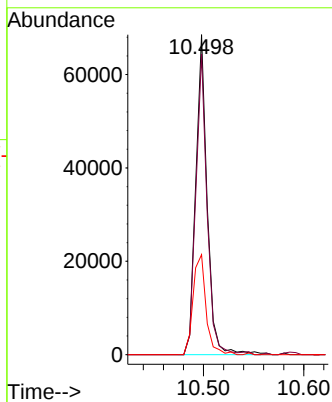
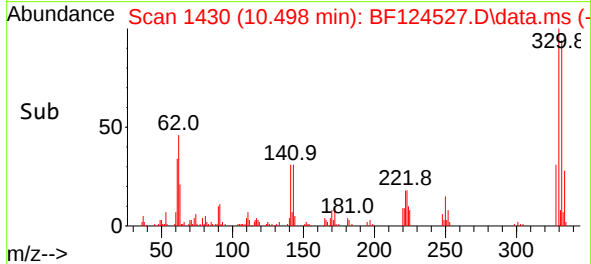




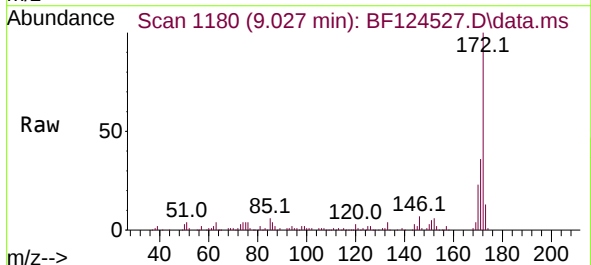
#42
2,4,6-Tribromophenol
Concen: 87.60 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02



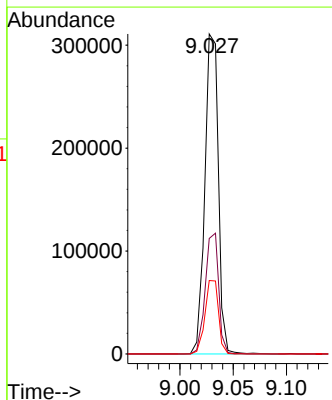
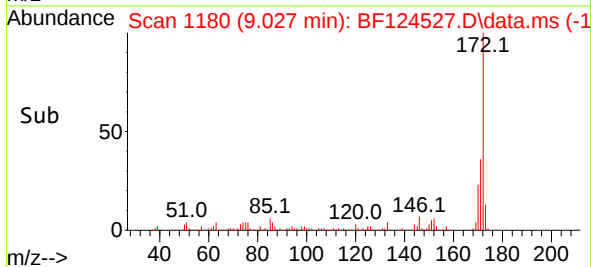
Tgt Ion: 330 Resp: 54588
Ion Ratio Lower Upper
330 100
332 92.9 77.1 115.7
141 35.4 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 64.67 ng
RT: 9.027 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02



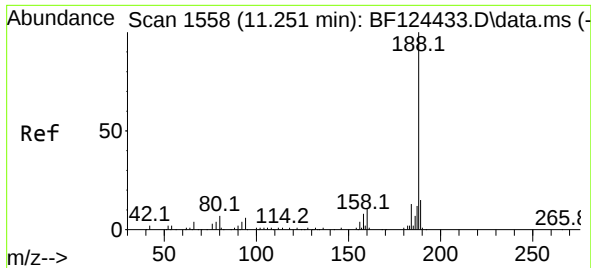
Tgt Ion: 172 Resp: 275342
Ion Ratio Lower Upper
172 100
171 36.1 28.1 42.1
170 22.9 19.2 28.8



Instrument :
BNA_F
ClientSampleId :
D-3100

Manual Integrations
APPROVED

mohammad
7/7/2021 11:35:18 AM



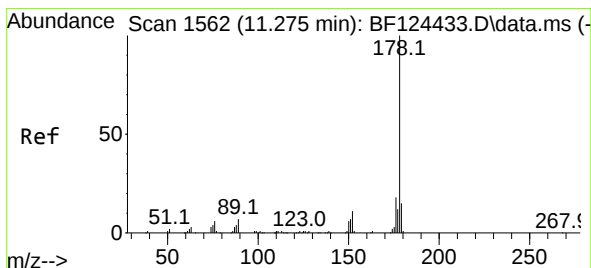
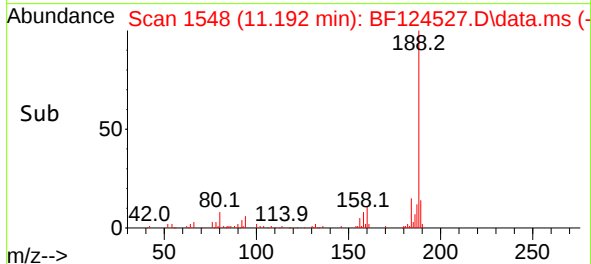
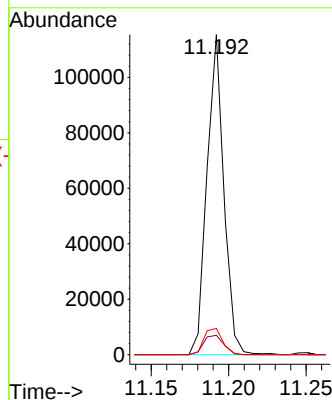
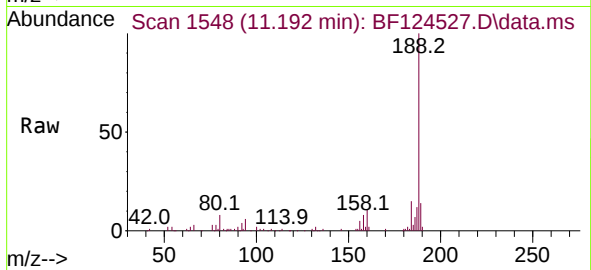
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.192 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

Instrument :
BNA_F
ClientSampled :
D-3100

Tgt Ion:188 Resp: 87382
Ion Ratio Lower Upper
188 100
94 6.1 6.9 10.3#
80 8.2 8.2 12.2

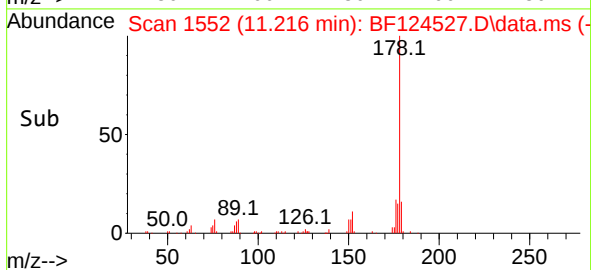
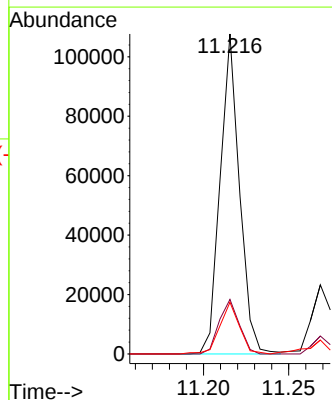
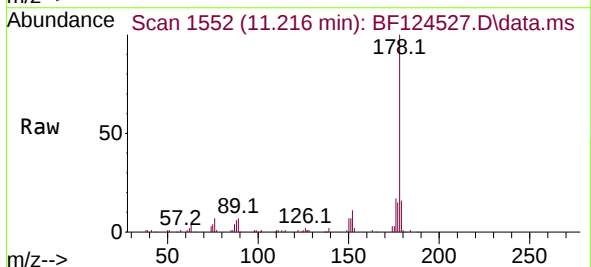
Manual Integrations
APPROVED

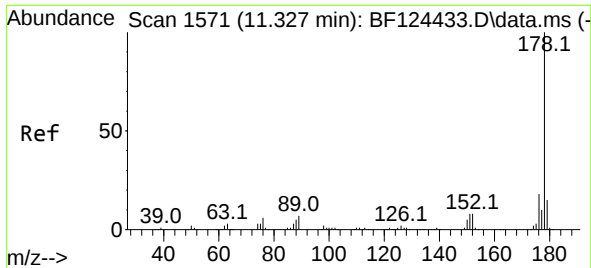
mohammad
7/7/2021 11:35:18 AM



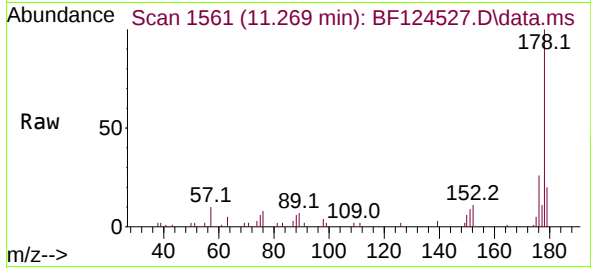
#71
Phenanthrene
Concen: 15.47 ng
RT: 11.216 min Scan# 1552
Delta R.T. -0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

Tgt Ion:178 Resp: 85226
Ion Ratio Lower Upper
178 100
176 17.0 15.6 23.4
179 16.1 12.5 18.7

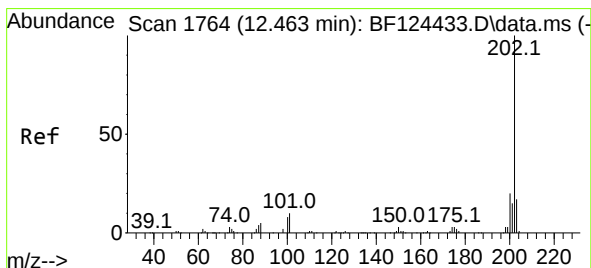
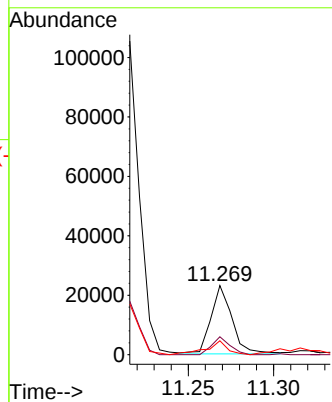
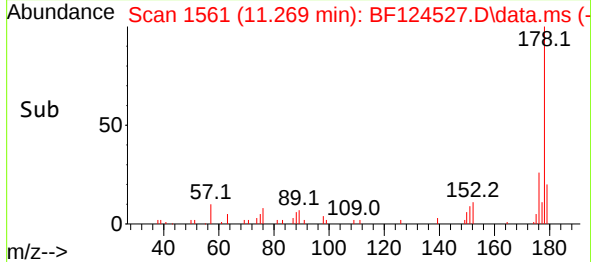




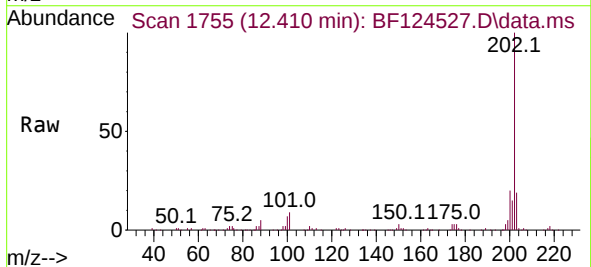
#72
 Anthracene
 Concen: 3.60 ng m
 RT: 11.269 min Scan# 1561
 Delta R.T. -0.006 min
 Lab File: BF124527.D
 Acq: 2 Jul 2021 20:02



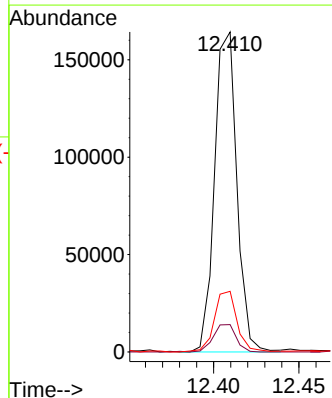
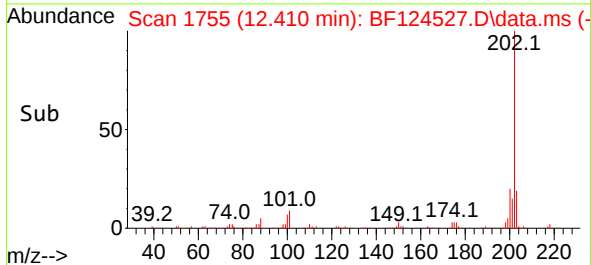
Tgt Ion:178 Resp: 19754
 Ion Ratio Lower Upper
 178 100
 176 25.9 15.4 23.0#
 179 20.1 12.6 18.8#



#75
 Fluoranthene
 Concen: 27.00 ng
 RT: 12.410 min Scan# 1755
 Delta R.T. -0.000 min
 Lab File: BF124527.D
 Acq: 2 Jul 2021 20:02



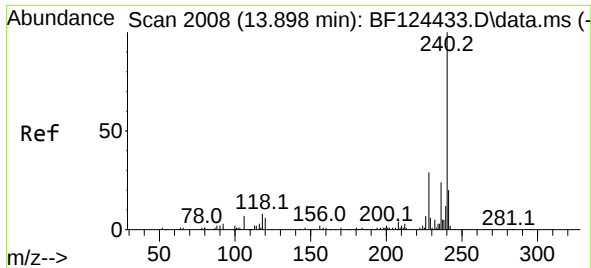
Tgt Ion:202 Resp: 149693
 Ion Ratio Lower Upper
 202 100
 101 8.6 0.0 30.9
 203 19.0 0.0 37.5



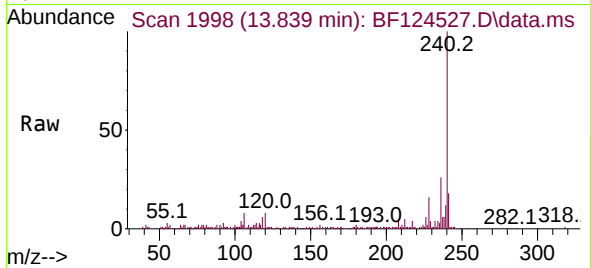
Instrument :
 BNA_F
 ClientSampleId :
 D-3100

Manual Integrations
 APPROVED

mohammad
 7/7/2021 11:35:18 AM



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.839 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

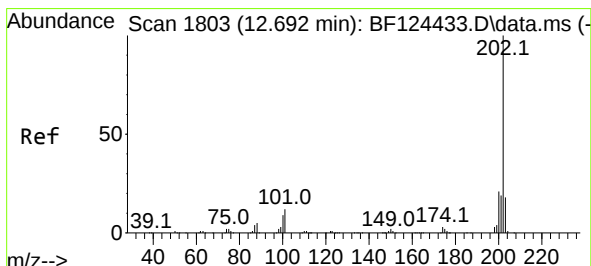
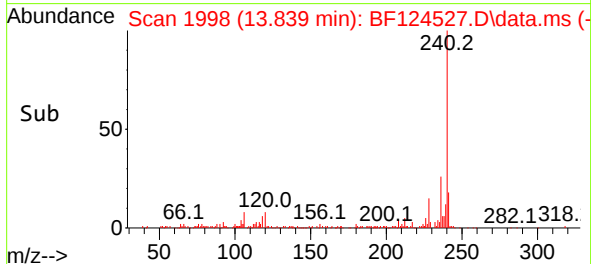
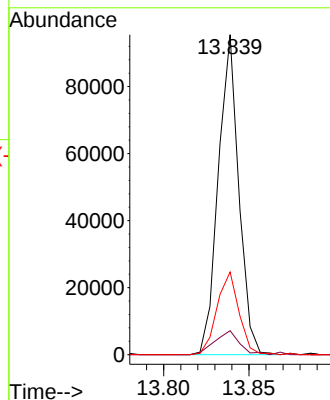


Tgt Ion:240 Resp: 79827
Ion Ratio Lower Upper
240 100
120 7.5 7.2 10.8
236 25.9 19.0 28.4

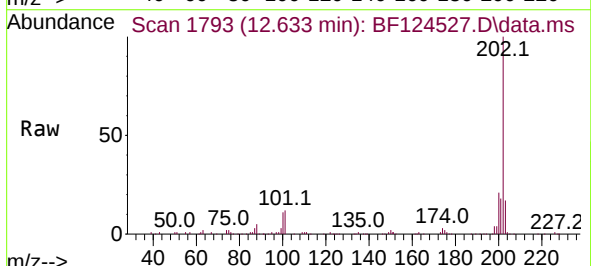
Instrument :
BNA_F
ClientSampleId :
D-3100

Manual Integrations
APPROVED

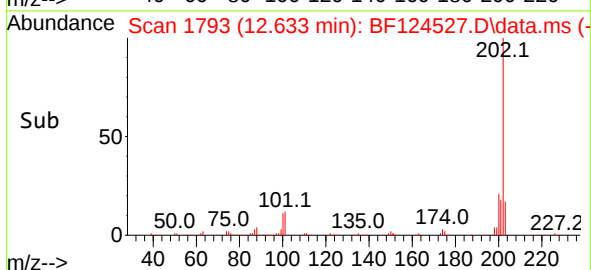
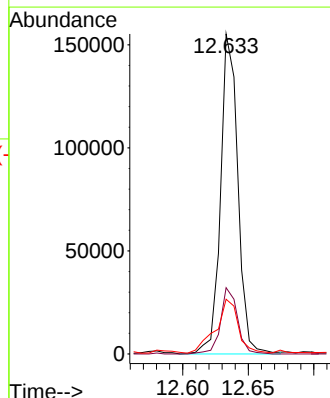
mohammad
7/7/2021 11:35:18 AM

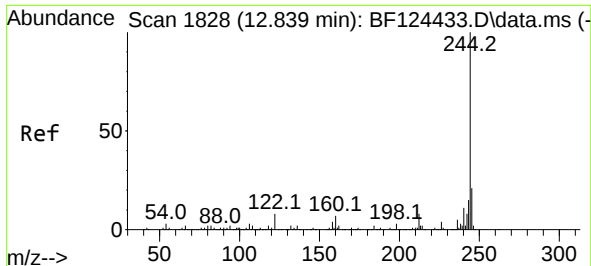


#78
Pyrene
Concen: 19.55 ng
RT: 12.633 min Scan# 1793
Delta R.T. -0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

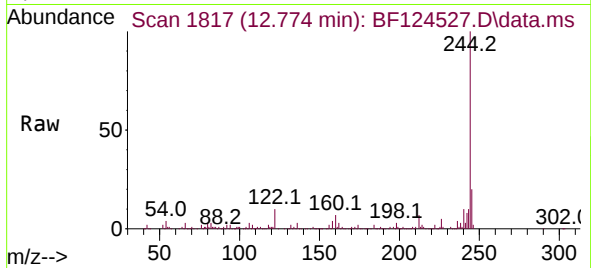


Tgt Ion:202 Resp: 142463
Ion Ratio Lower Upper
202 100
200 20.7 16.1 24.1
203 17.1 14.8 22.2





#79
 Terphenyl-d14
 Concen: 45.84 ng
 RT: 12.774 min Scan# 1817
 Delta R.T. -0.006 min
 Lab File: BF124527.D
 Acq: 2 Jul 2021 20:02

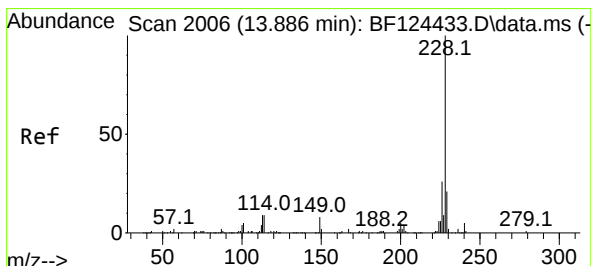
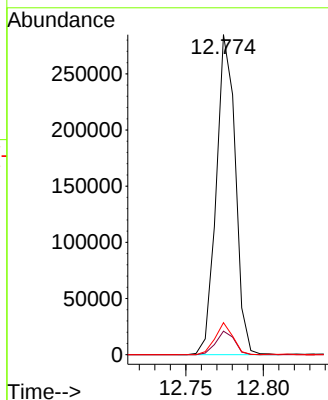
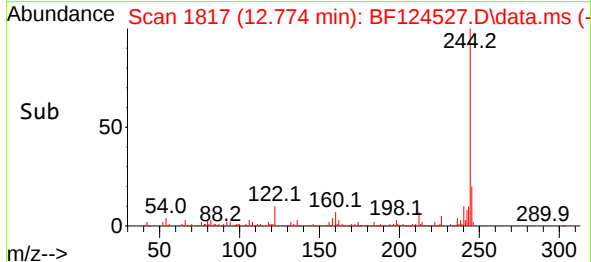


Tgt Ion:244 Resp: 244331
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.7 8.5
 122 10.0 9.7 14.5

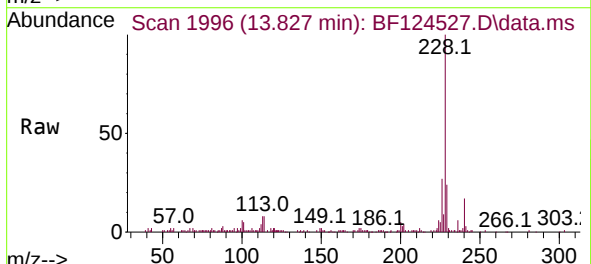
Instrument :
 BNA_F
 ClientSampled :
 D-3100

Manual Integrations
 APPROVED

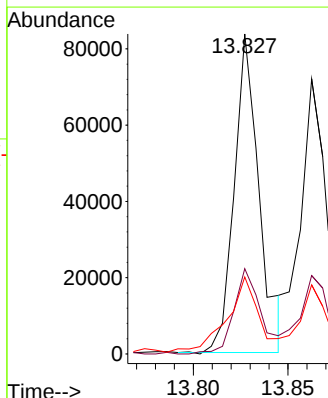
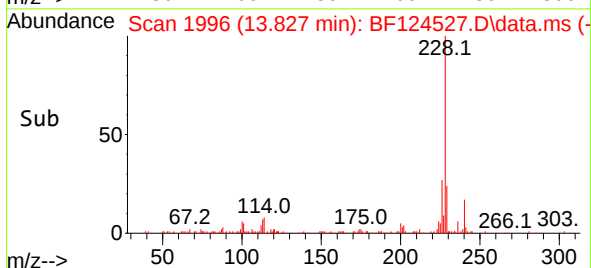
mohammad
 7/7/2021 11:35:18 AM

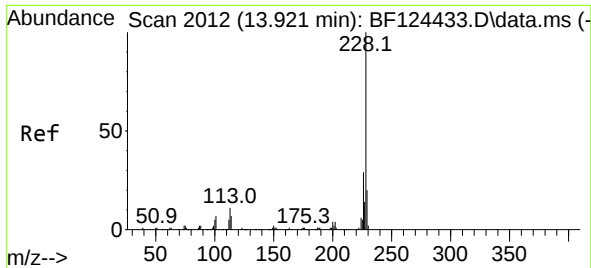


#81
 Benzo(a)anthracene
 Concen: 13.26 ng
 RT: 13.827 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: BF124527.D
 Acq: 2 Jul 2021 20:02



Tgt Ion:228 Resp: 76324
 Ion Ratio Lower Upper
 228 100
 226 26.6 22.4 33.6
 229 24.1 16.0 24.0#





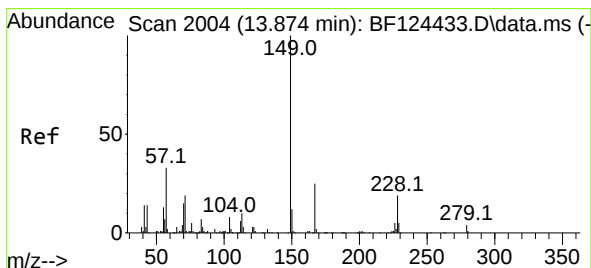
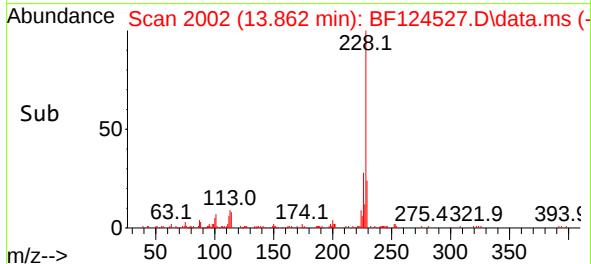
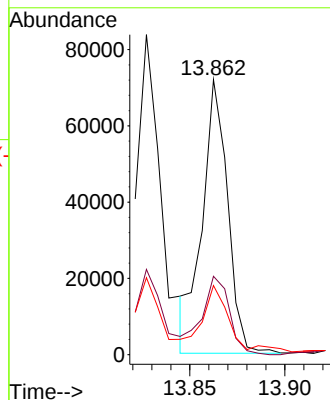
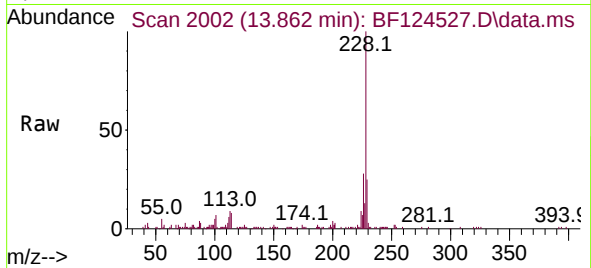
#83
Chrysene
Concen: 11.63 ng m
RT: 13.862 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

Tgt Ion:228 Resp: 66349
Ion Ratio Lower Upper
228 100
226 28.5 24.3 36.5
229 25.1 16.2 24.2#

Instrument :
BNA_F
ClientSampled :
D-3100

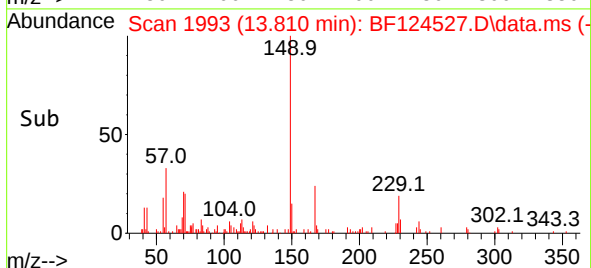
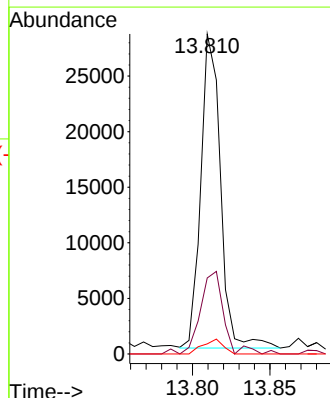
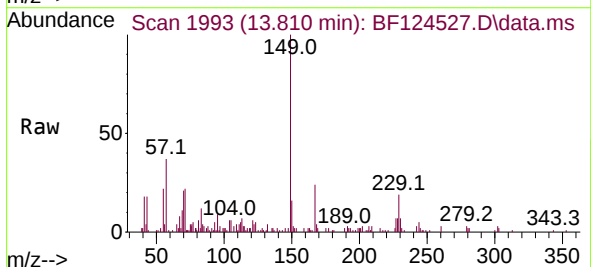
Manual Integrations
APPROVED

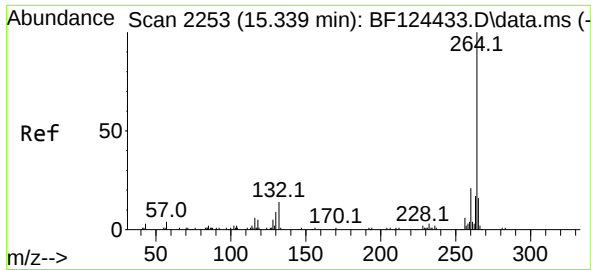
mohammad
7/7/2021 11:35:18 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.45 ng
RT: 13.810 min Scan# 1993
Delta R.T. -0.000 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

Tgt Ion:149 Resp: 25024
Ion Ratio Lower Upper
149 100
167 23.8 21.8 32.6
279 3.2 3.3 4.9#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.262 min Scan# 2240
Delta R.T. -0.000 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

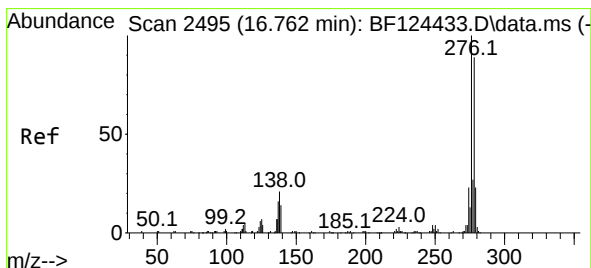
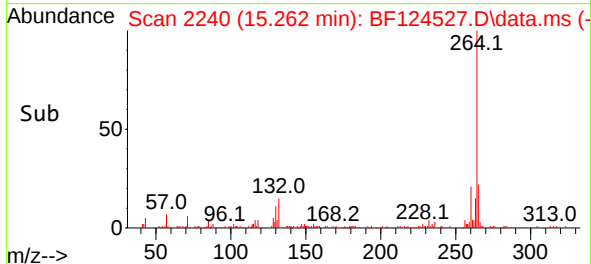
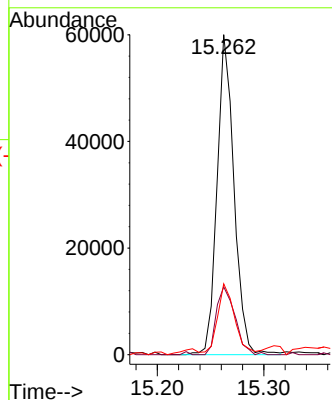
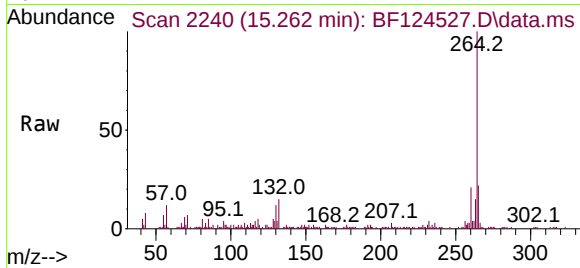
Tgt Ion: 264 Resp: 66121

Ion	Ratio	Lower	Upper
264	100		
260	21.2	18.7	28.1
265	22.2	17.8	26.8

Instrument :
BNA_F
ClientSampleId :
D-3100

Manual Integrations
APPROVED

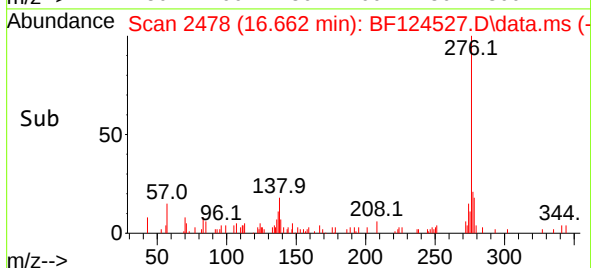
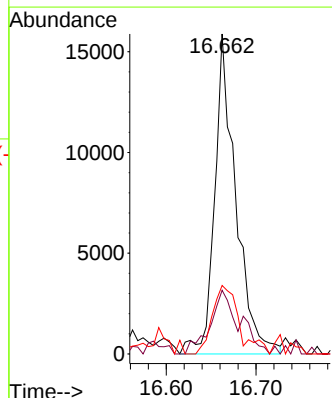
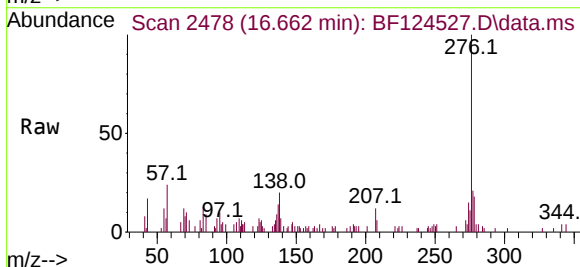
mohammad
7/7/2021 11:35:18 AM

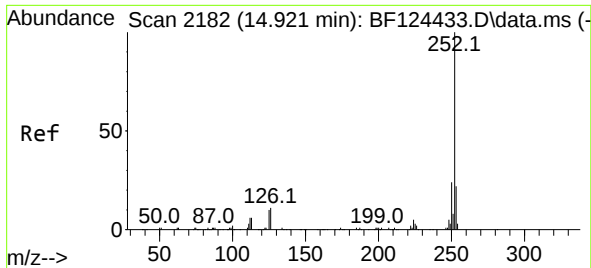


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.01 ng
RT: 16.662 min Scan# 2478
Delta R.T. 0.012 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

Tgt Ion: 276 Resp: 26129

Ion	Ratio	Lower	Upper
276	100		
138	21.1	16.2	24.2
277	25.2	20.1	30.1





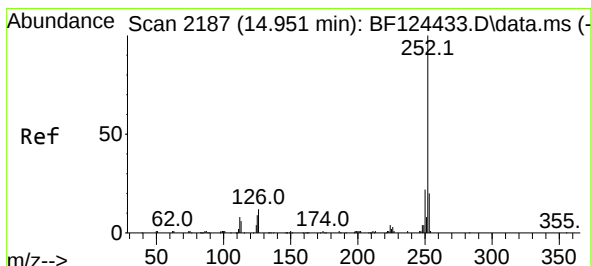
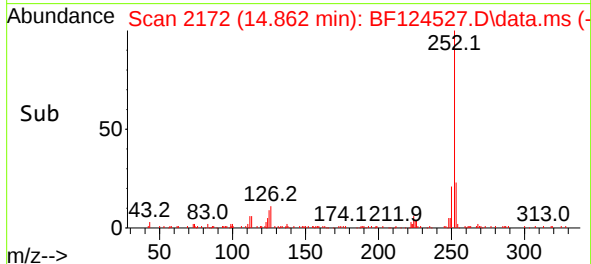
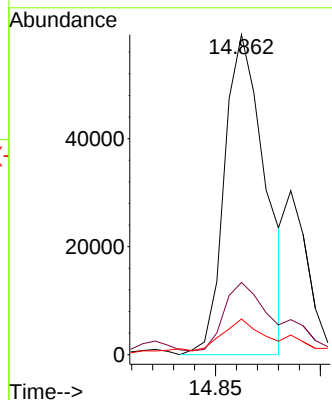
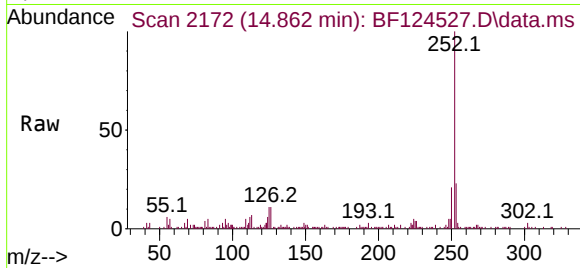
#88
Benzo(b)fluoranthene
Concen: 15.91 ng m
RT: 14.862 min Scan# 2172
Delta R.T. 0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

Tgt Ion:252 Resp: 79732
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 11.1 6.2 9.4#

Instrument :
BNA_F
ClientSampleId :
D-3100

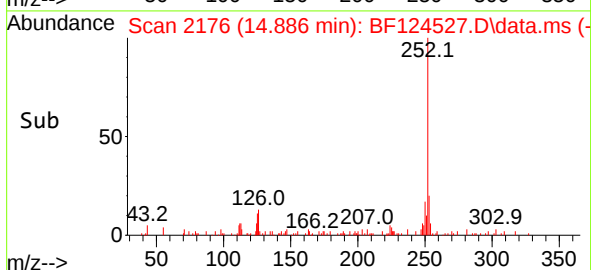
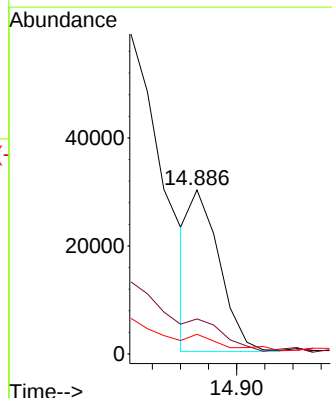
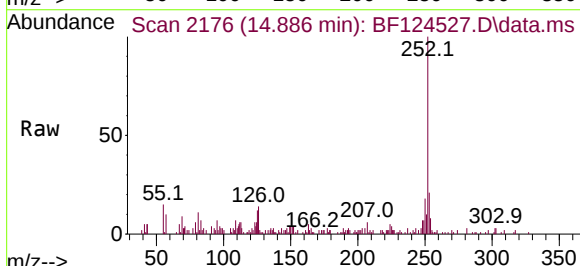
Manual Integrations
APPROVED

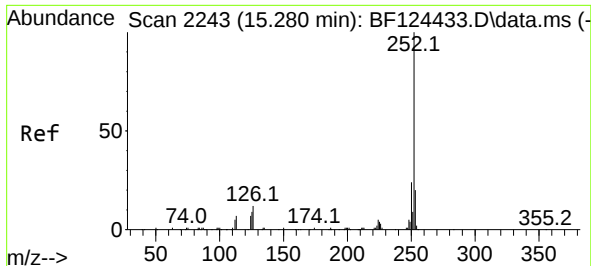
mohammad
7/7/2021 11:35:18 AM



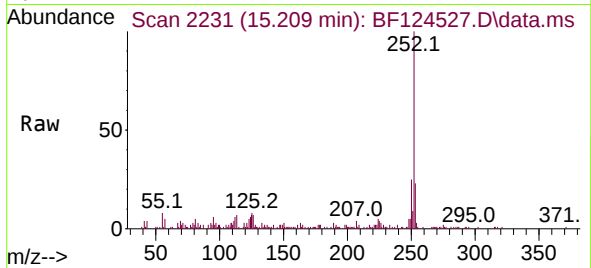
#89
Benzo(k)fluoranthene
Concen: 4.79 ng m
RT: 14.886 min Scan# 2176
Delta R.T. -0.000 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

Tgt Ion:252 Resp: 21945
Ion Ratio Lower Upper
252 100
253 21.4 17.9 26.9
125 12.0 7.0 10.6#

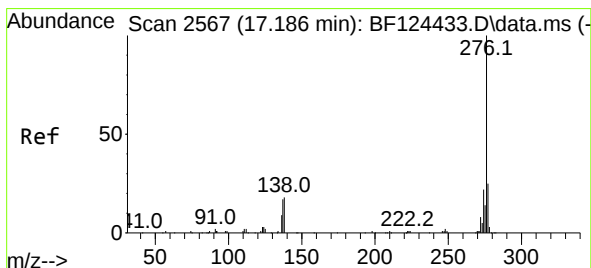
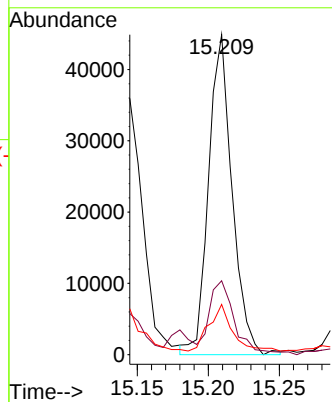
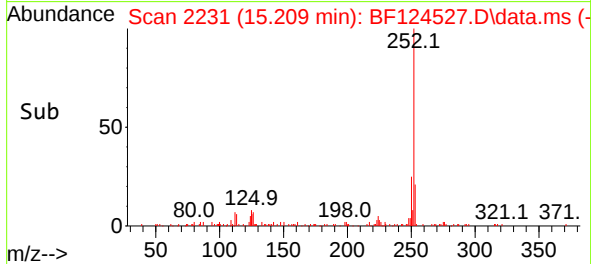




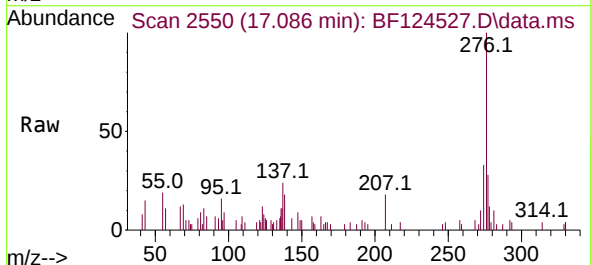
#90
Benzo(a)pyrene
Concen: 11.63 ng
RT: 15.209 min Scan# 2231
Delta R.T. 0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02



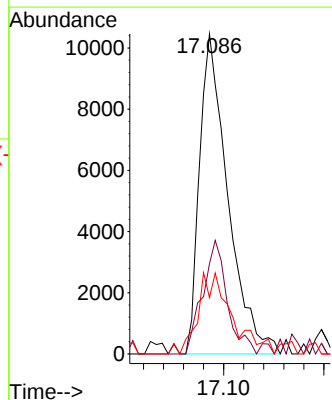
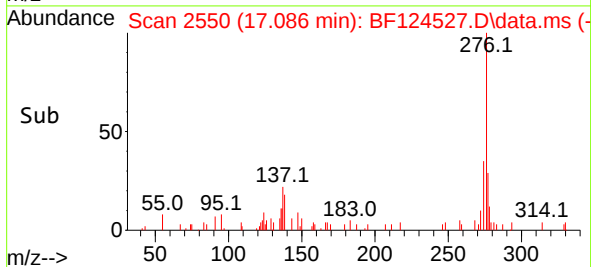
Tgt Ion:252 Resp: 51775
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 15.7 8.0 12.0#



#92
Benzo(g,h,i)perylene
Concen: 4.64 ng
RT: 17.086 min Scan# 2550
Delta R.T. 0.018 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02



Tgt Ion:276 Resp: 20522
Ion Ratio Lower Upper
276 100
277 28.2 18.2 27.2#
138 17.6 13.8 20.6



Instrument :
BNA_F
ClientSampleId :
D-3100

Manual Integrations
APPROVED

mohammad
7/7/2021 11:35:18 AM