

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072821\
 Data File : BF124844.D
 Acq On : 29 Jul 2021 00:17
 Operator : JU/CG
 Sample : M3204-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-072721

Manual Integrations
 APPROVED

mohammad
 7/29/2021 1:43:54 PM

Quant Time: Jul 29 02:12:34 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 22 15:28:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	6692	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	22678	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	11063	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	18273	20.000	ng	0.00
76) Chrysene-d12	14.039	240	13190	20.000	ng	# 0.00
86) Perylene-d12	15.515	264	9267	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	18111	45.823	ng	0.00
7) Phenol-d6	6.492	99	21541	43.474	ng	0.00
23) Nitrobenzene-d5	7.433	82	14605	38.330	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	4599	48.417	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	28540	37.890	ng	0.00
79) Terphenyl-d14	12.980	244	25426	33.043	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.421	178	2552	2.597	ng	99
75) Fluoranthene	12.610	202	12969	12.931	ng	94
78) Pyrene	12.839	202	13758	13.175	ng	95
81) Benzo(a)anthracene	14.027	228	7216	8.369	ng	# 92
83) Chrysene	14.062	228	6538	7.871	ng	91
87) Indeno(1,2,3-cd)pyrene	17.003	276	2210	4.131	ng	# 82
88) Benzo(b)fluoranthene	15.080	252	6401m	9.811	ng	
89) Benzo(k)fluoranthene	15.104	252	2416m	4.053	ng	
90) Benzo(a)pyrene	15.451	252	4515	8.284	ng	# 91
92) Benzo(g,h,i)perylene	17.450	276	2135	4.807	ng	# 90

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

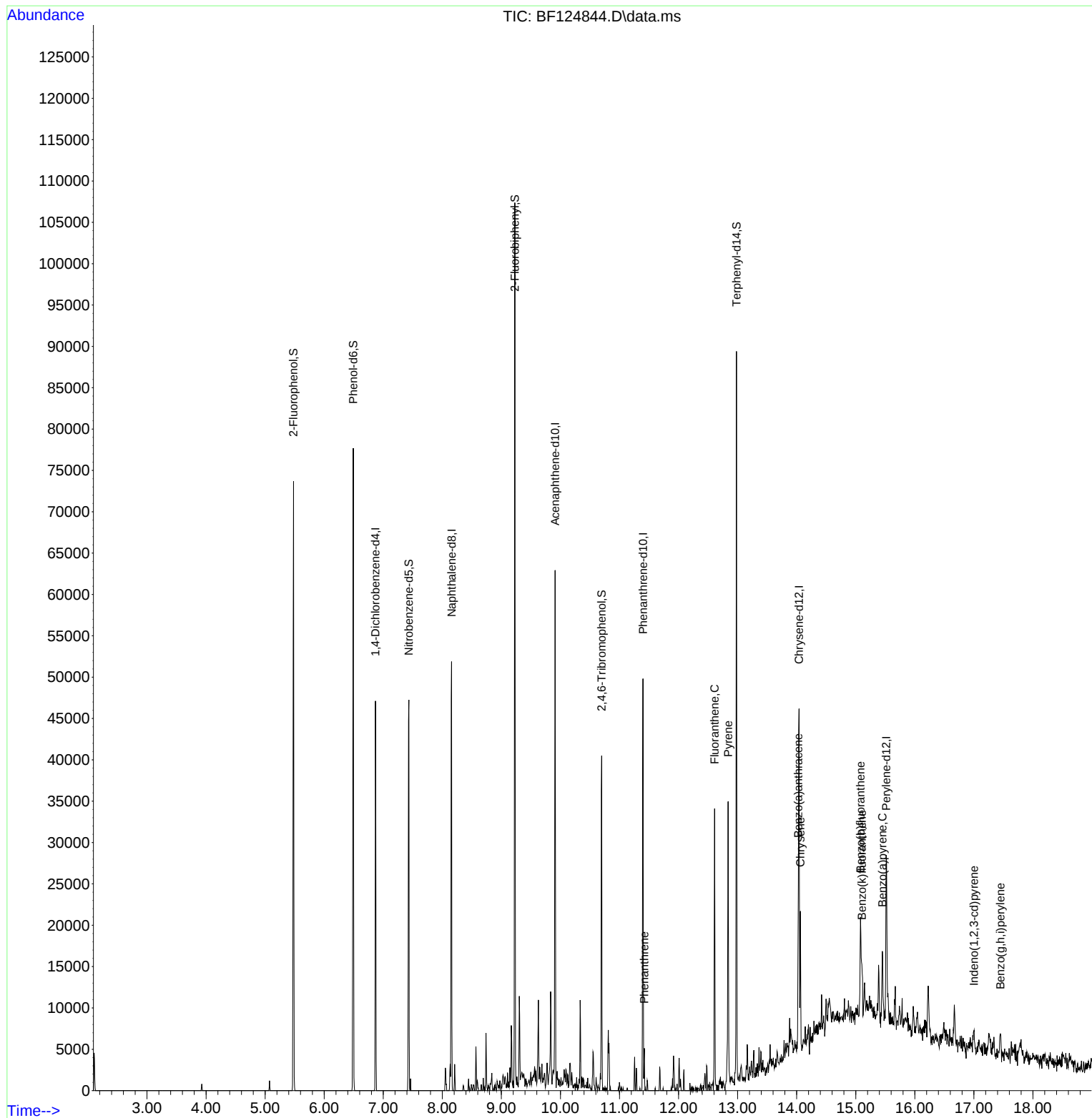
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072821\
Data File : BF124844.D
Acq On : 29 Jul 2021 00:17
Operator : JU/CG
Sample : M3204-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

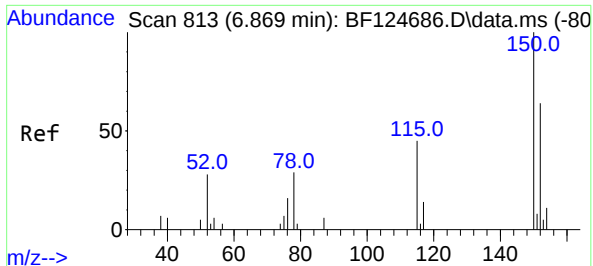
Instrument :
BNA_F
ClientSampleId :
EO-01-072721

Manual Integrations
APPROVED

mohammad
7/29/2021 1:43:54 PM

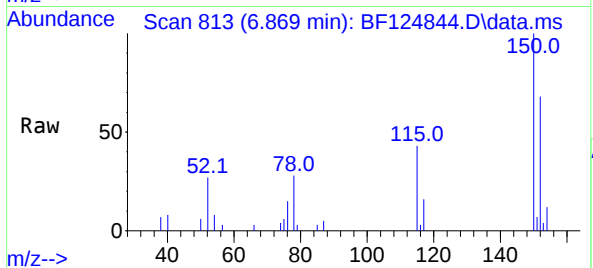
Quant Time: Jul 29 02:12:34 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 15:28:57 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF124844.D
Acq: 29 Jul 2021 00:17

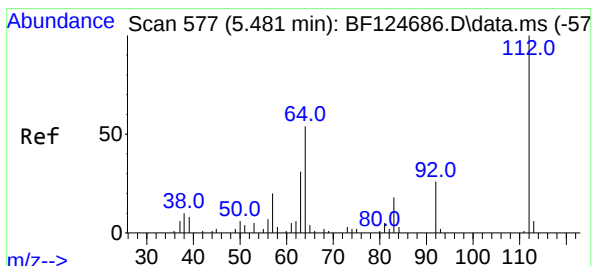
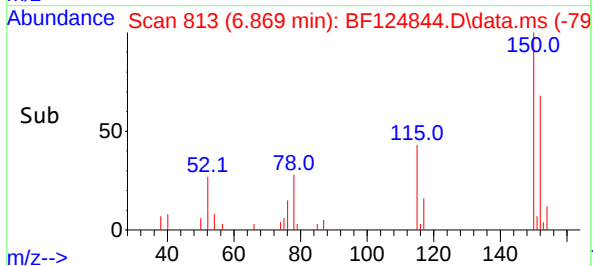
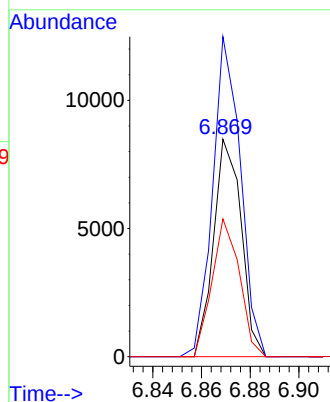
Instrument :
BNA_F
ClientSampleId :
EO-01-072721



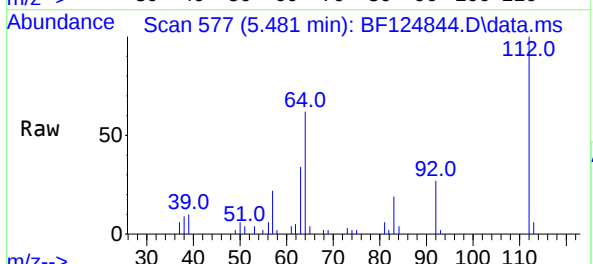
Tgt Ion:152 Resp: 6692
Ion Ratio Lower Upper
152 100
150 147.1 117.6 176.4
115 63.4 47.1 70.7

Manual Integrations
APPROVED

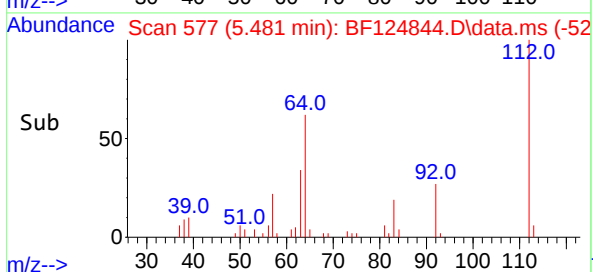
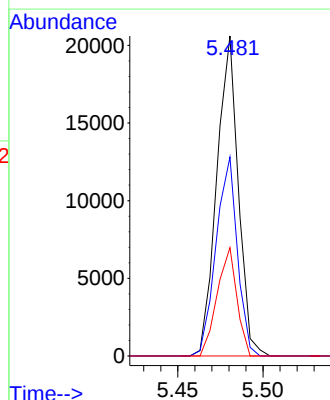
mohammad
7/29/2021 1:43:54 PM



#5
2-Fluorophenol
Concen: 45.823 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF124844.D
Acq: 29 Jul 2021 00:17



Tgt Ion:112 Resp: 18111
Ion Ratio Lower Upper
112 100
64 62.2 44.2 66.2
63 33.8 26.2 39.2





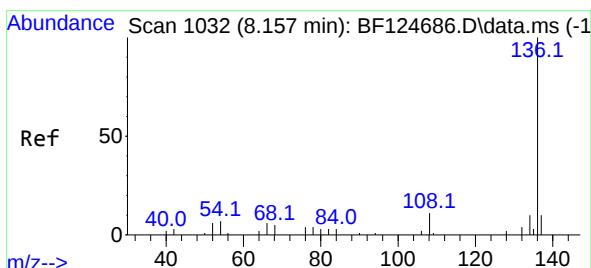
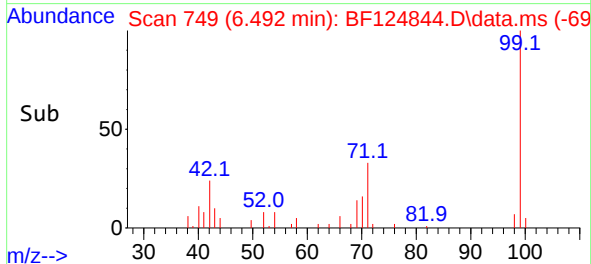
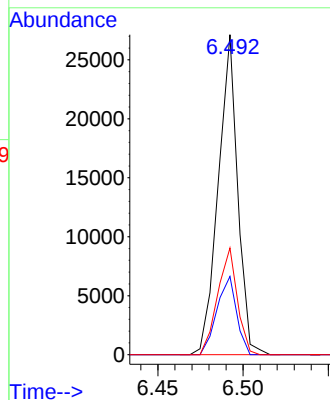
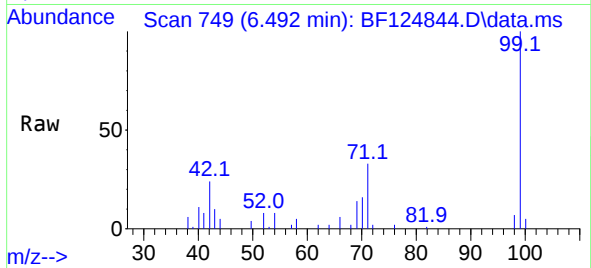
#7
Phenol-d6
Concen: 43.474 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF124844.D
Acq: 29 Jul 2021 00:17

Tgt Ion:	99	Resp:	21541
Ion	Ratio	Lower	Upper
99	100		
42	24.5	23.5	35.3
71	33.3	25.6	38.4

Instrument :
BNA_F
ClientSampled :
EO-01-072721

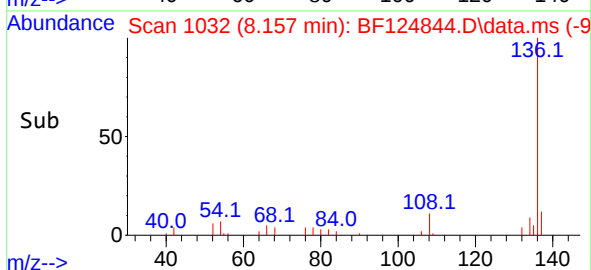
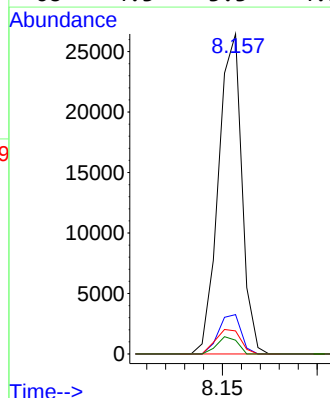
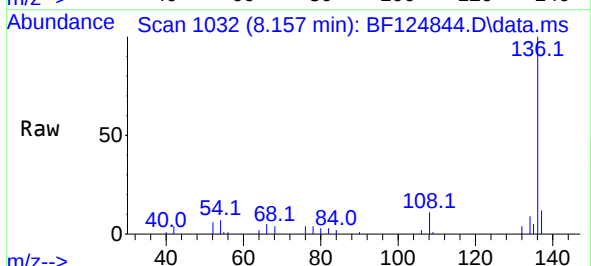
Manual Integrations
APPROVED

mohammad
7/29/2021 1:43:54 PM



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF124844.D
Acq: 29 Jul 2021 00:17

Tgt Ion:	136	Resp:	22678
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.8	14.6
54	7.2	6.4	9.6
68	4.3	3.3	4.9





#23

Nitrobenzene-d5

Concen: 38.330 ng

RT: 7.433 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF124844.D

Acq: 29 Jul 2021 00:17

Tgt Ion:	82	Resp:	14605
Ion	Ratio	Lower	Upper
82	100		
128	43.2	40.6	60.8
54	54.4	49.6	74.4

Instrument :

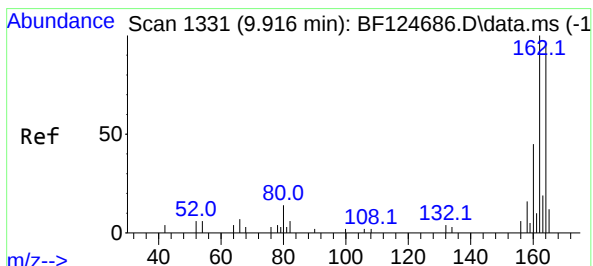
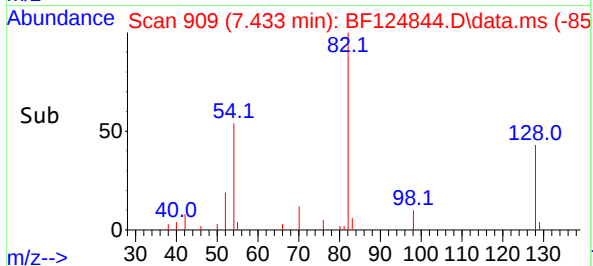
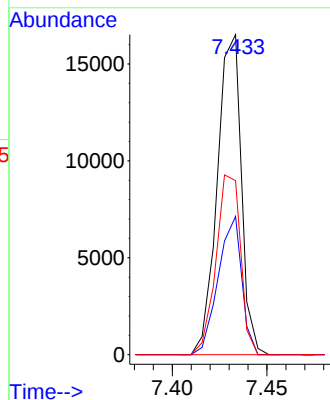
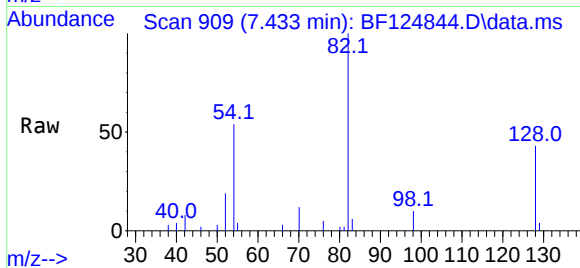
BNA_F

ClientSampleId :

EO-01-072721

Manual Integrations
APPROVED

mohammad
7/29/2021 1:43:54 PM



#39

Acenaphthene-d10

Concen: 20.000 ng

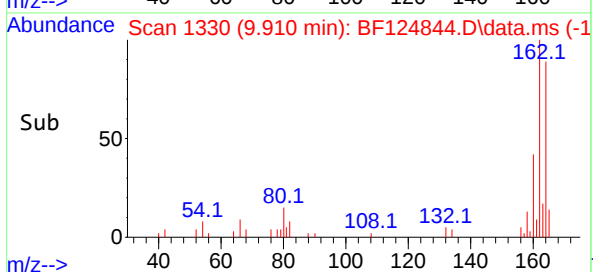
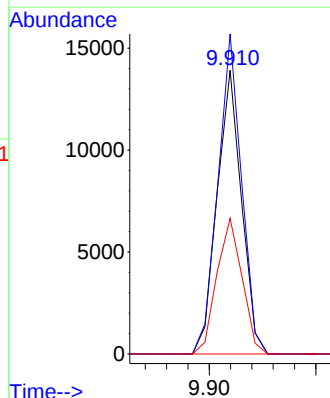
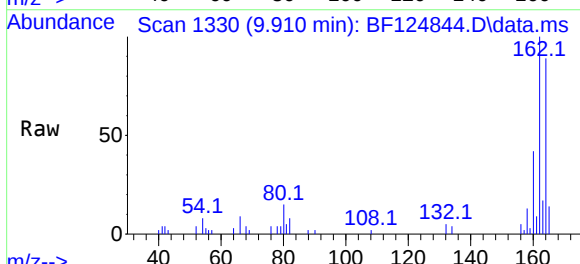
RT: 9.910 min Scan# 1330

Delta R.T. -0.006 min

Lab File: BF124844.D

Acq: 29 Jul 2021 00:17

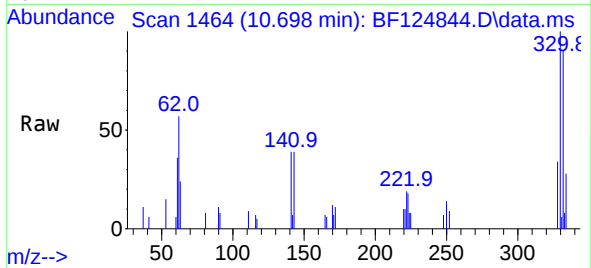
Tgt Ion:	164	Resp:	11063
Ion	Ratio	Lower	Upper
164	100		
162	112.8	81.3	121.9
160	47.8	38.0	57.0





#42
2,4,6-Tribromophenol
Concen: 48.417 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF124844.D
Acq: 29 Jul 2021 00:17

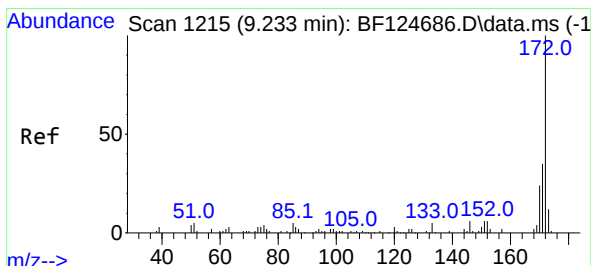
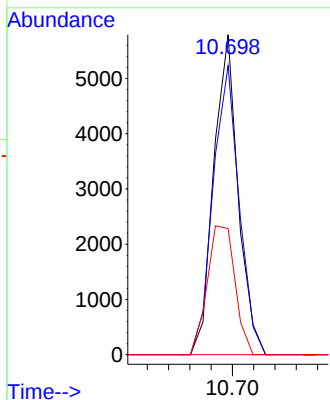
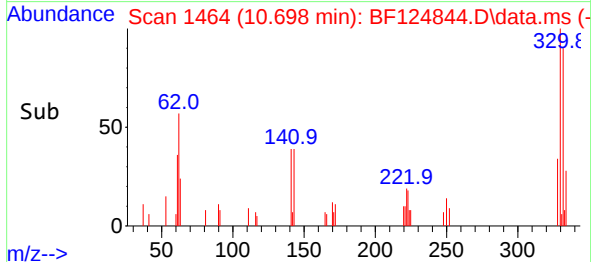
Instrument :
BNA_F
ClientSampled :
EO-01-072721



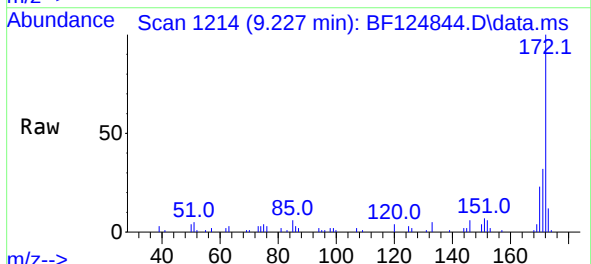
Tgt Ion: 330 Resp: 4599
Ion Ratio Lower Upper
330 100
332 96.6 76.2 114.4
141 45.9 44.6 66.8

Manual Integrations
APPROVED

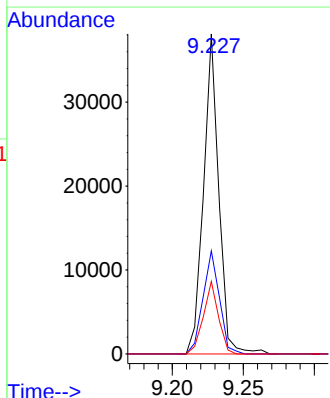
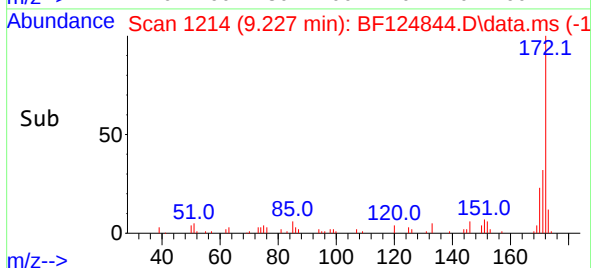
mohammad
7/29/2021 1:43:54 PM



#45
2-Fluorobiphenyl
Concen: 37.890 ng
RT: 9.227 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF124844.D
Acq: 29 Jul 2021 00:17



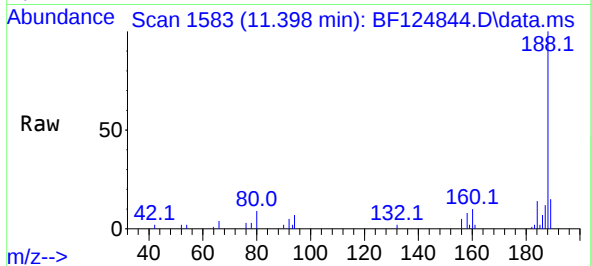
Tgt Ion: 172 Resp: 28540
Ion Ratio Lower Upper
172 100
171 32.2 26.5 39.7
170 22.7 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF124844.D
Acq: 29 Jul 2021 00:17

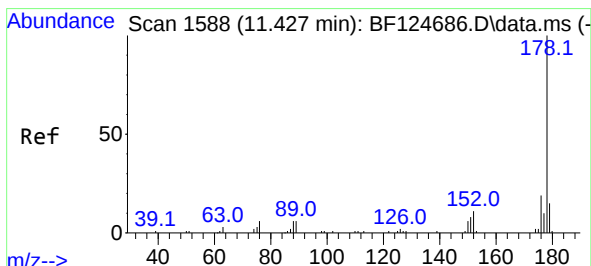
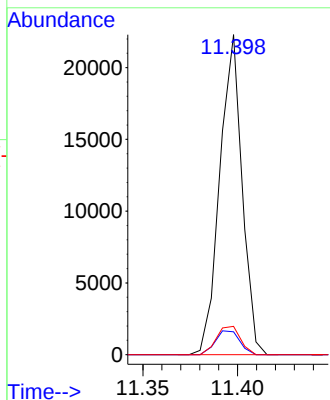
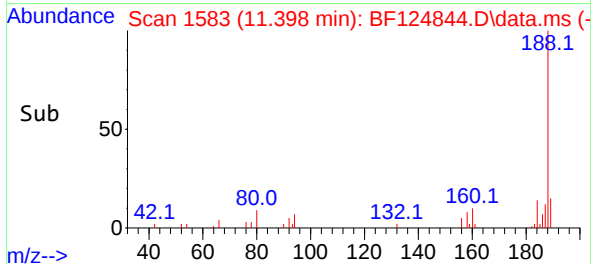
Instrument :
BNA_F
ClientSampleId :
EO-01-072721



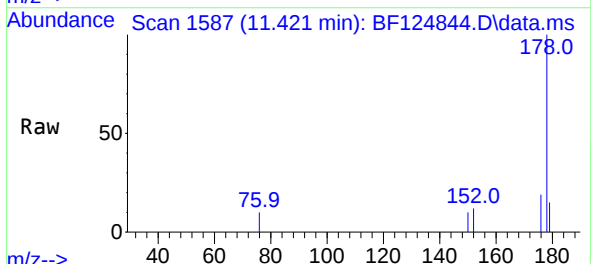
Tgt Ion:188 Resp: 18273
Ion Ratio Lower Upper
188 100
94 7.1 6.7 10.1
80 8.9 7.5 11.3

Manual Integrations
APPROVED

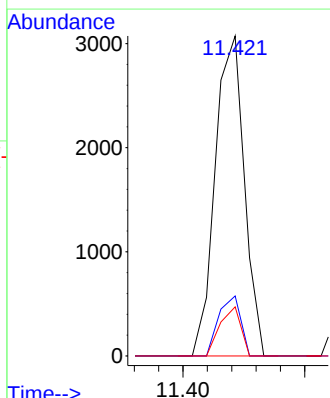
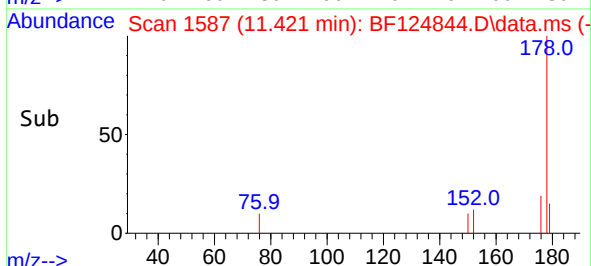
mohammad
7/29/2021 1:43:54 PM

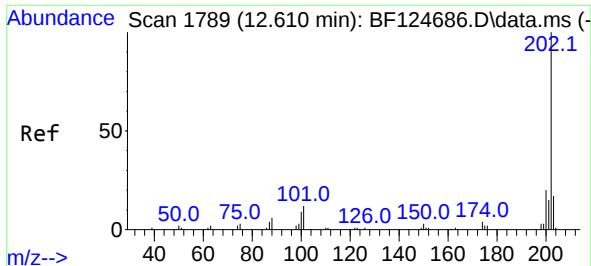


#71
Phenanthrene
Concen: 2.597 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF124844.D
Acq: 29 Jul 2021 00:17



Tgt Ion:178 Resp: 2552
Ion Ratio Lower Upper
178 100
176 18.7 14.7 22.1
179 15.4 11.5 17.3





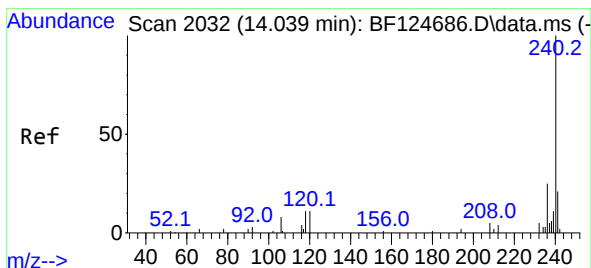
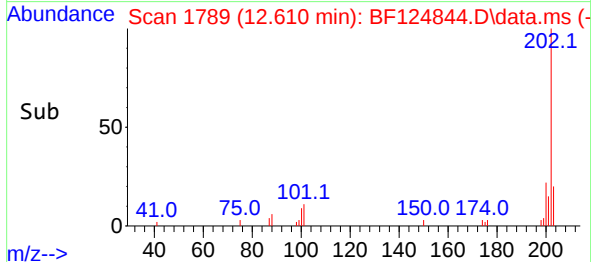
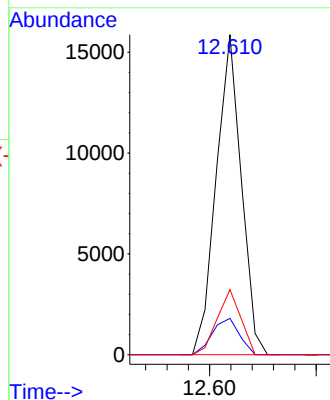
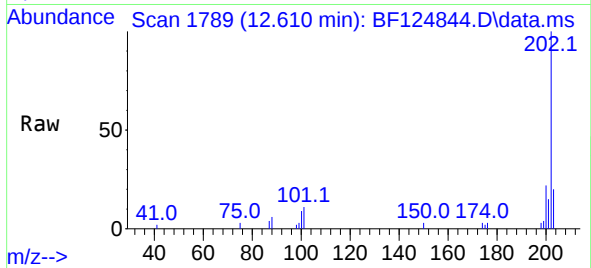
#75
Fluoranthene
Concen: 12.931 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.000 min
Lab File: BF124844.D
Acq: 29 Jul 2021 00:17

Tgt Ion:	202	Resp:	12969
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	30.7
203	20.4	0.0	36.3

Instrument :
BNA_F
ClientSampleId :
EO-01-072721

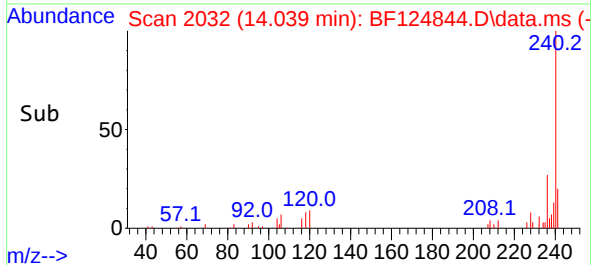
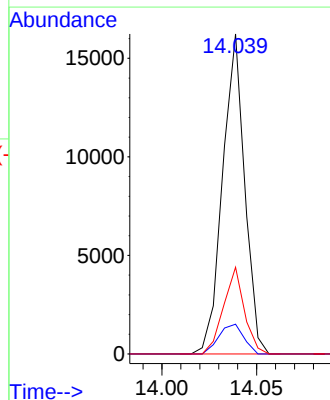
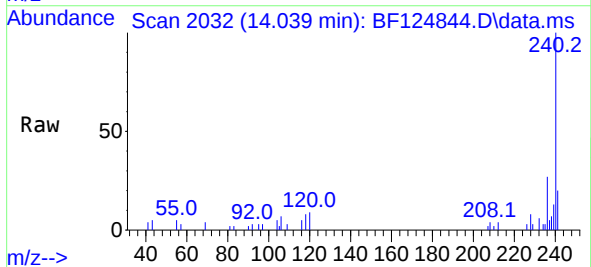
Manual Integrations
APPROVED

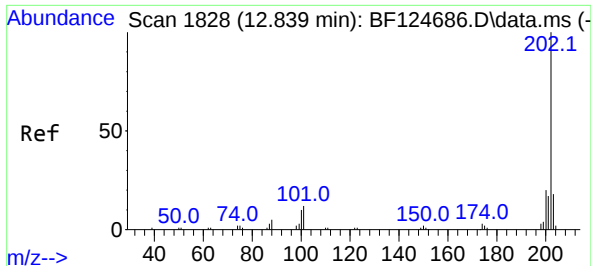
mohammad
7/29/2021 1:43:54 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF124844.D
Acq: 29 Jul 2021 00:17

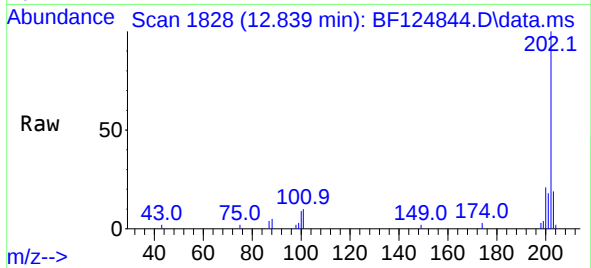
Tgt Ion:	240	Resp:	13190
Ion Ratio	Lower	Upper	
240	100		
120	9.3	10.8	16.2#
236	27.1	21.6	32.4





#78
Pyrene
Concen: 13.175 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF124844.D
Acq: 29 Jul 2021 00:17

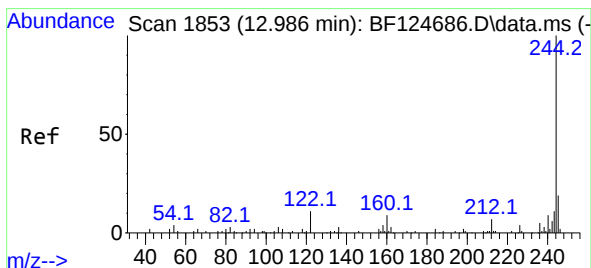
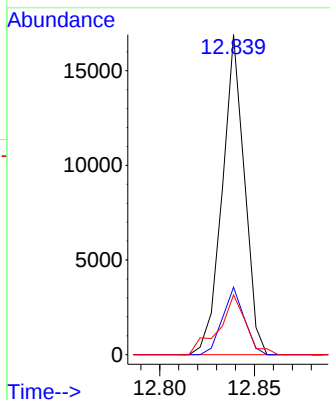
Instrument :
BNA_F
ClientSampleId :
EO-01-072721



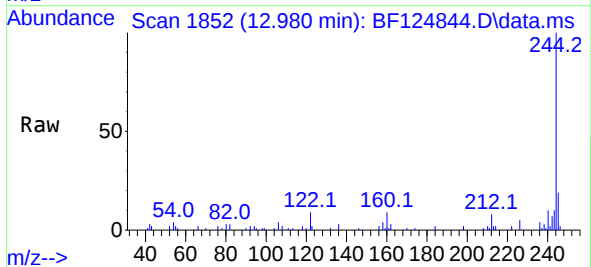
Tgt Ion:202 Resp: 13758
Ion Ratio Lower Upper
202 100
200 21.1 15.3 22.9
203 18.7 13.4 20.0

Manual Integrations
APPROVED

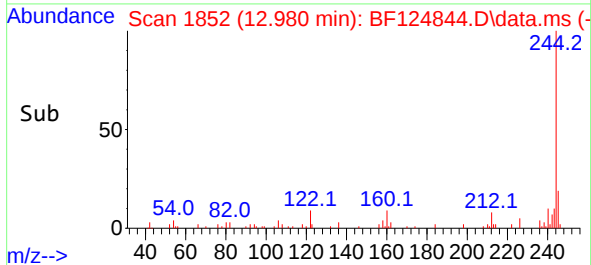
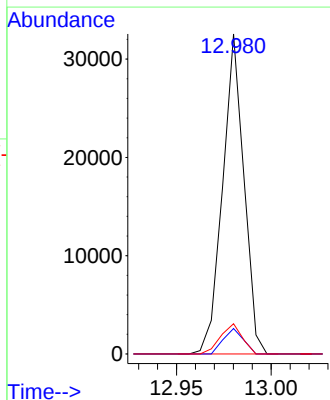
mohammad
7/29/2021 1:43:54 PM

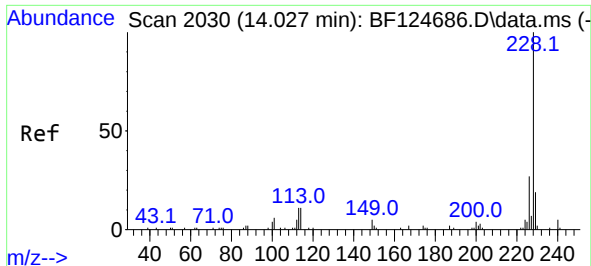


#79
Terphenyl-d14
Concen: 33.043 ng
RT: 12.980 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BF124844.D
Acq: 29 Jul 2021 00:17



Tgt Ion:244 Resp: 25426
Ion Ratio Lower Upper
244 100
212 7.9 5.9 8.9
122 9.4 9.0 13.4





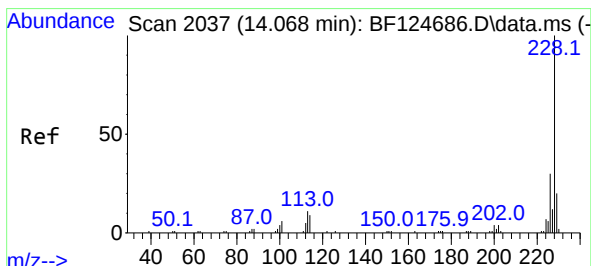
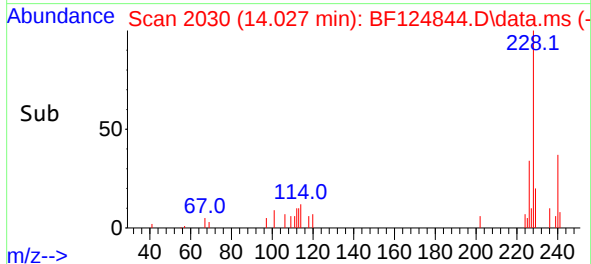
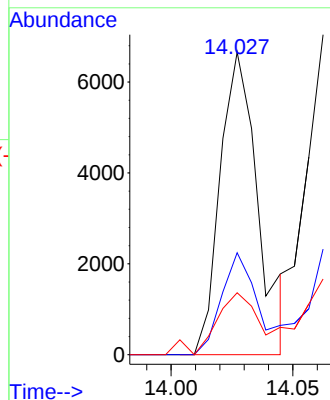
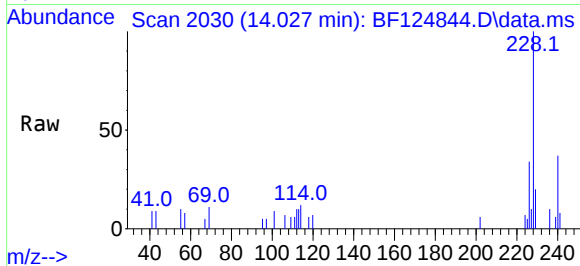
#81
Benzo(a)anthracene
Concen: 8.369 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF124844.D
Acq: 29 Jul 2021 00:17

Tgt Ion:228 Resp: 7216
Ion Ratio Lower Upper
228 100
226 33.7 21.6 32.4#
229 20.5 15.6 23.4

Instrument :
BNA_F
ClientSampleId :
EO-01-072721

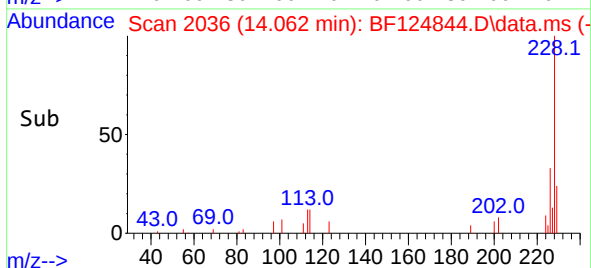
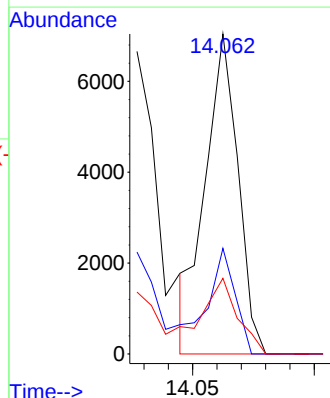
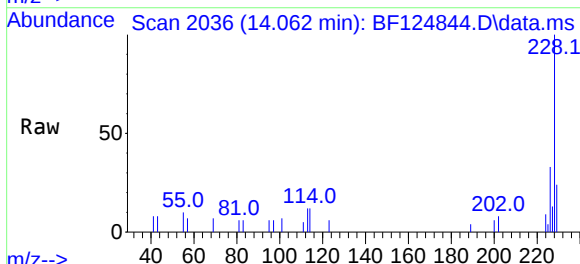
Manual Integrations
APPROVED

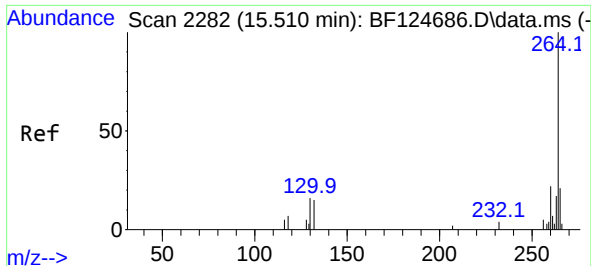
mohammad
7/29/2021 1:43:54 PM



#83
Chrysene
Concen: 7.871 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF124844.D
Acq: 29 Jul 2021 00:17

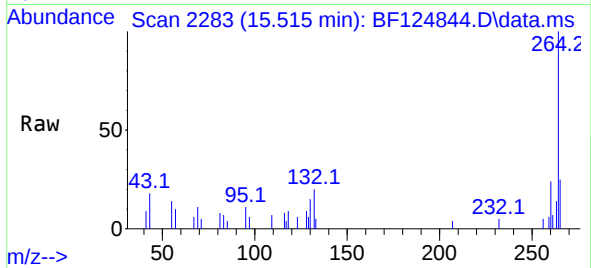
Tgt Ion:228 Resp: 6538
Ion Ratio Lower Upper
228 100
226 33.0 22.6 34.0
229 23.7 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.006 min
Lab File: BF124844.D
Acq: 29 Jul 2021 00:17

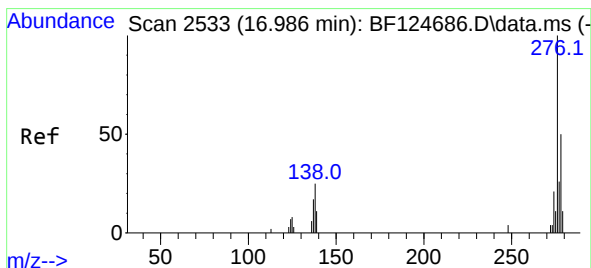
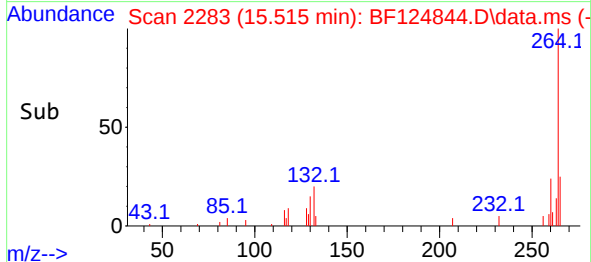
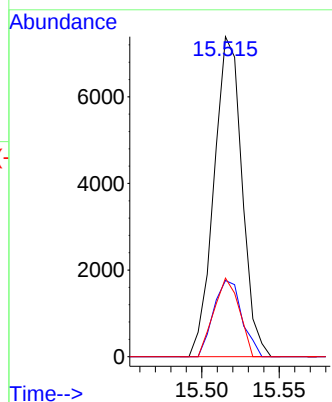
Instrument :
BNA_F
ClientSampleId :
EO-01-072721



Tgt Ion:264 Resp: 9267
Ion Ratio Lower Upper
264 100
260 23.8 19.6 29.4
265 24.5 17.2 25.8

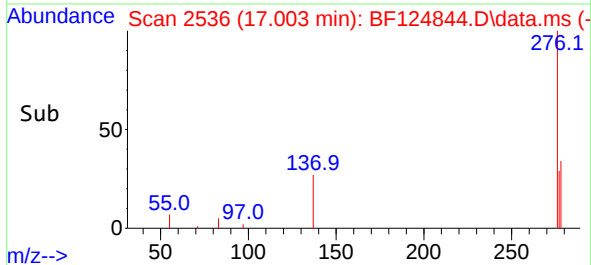
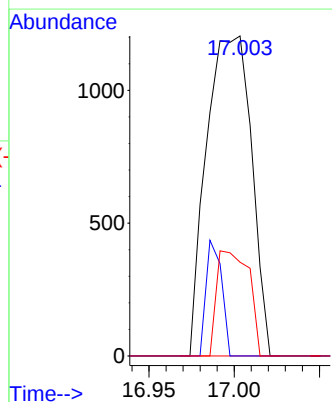
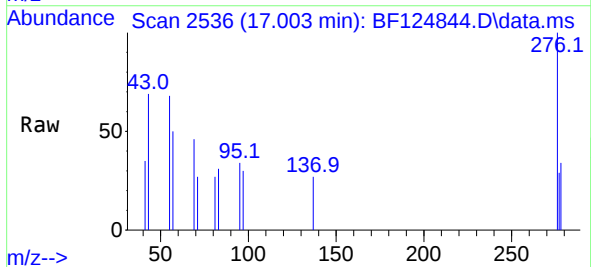
Manual Integrations
APPROVED

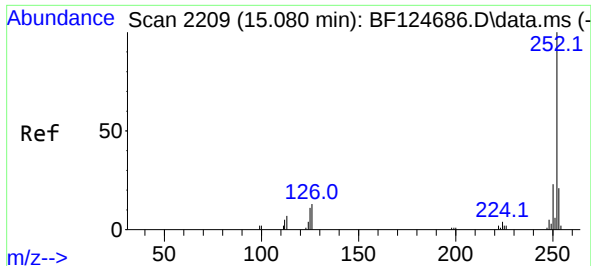
mohammad
7/29/2021 1:43:54 PM



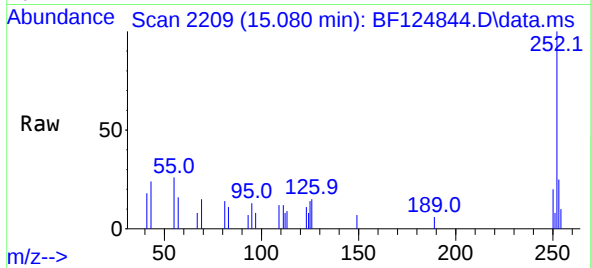
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.131 ng
RT: 17.003 min Scan# 2536
Delta R.T. 0.017 min
Lab File: BF124844.D
Acq: 29 Jul 2021 00:17

Tgt Ion:276 Resp: 2210
Ion Ratio Lower Upper
276 100
138 12.5 24.1 36.1#
277 23.4 18.8 28.2

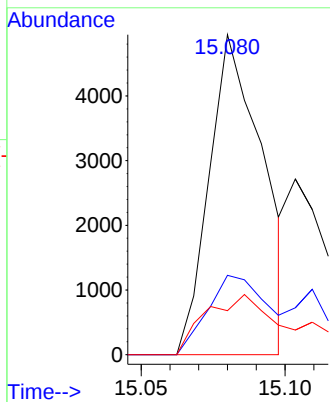




#88
Benzo(b)fluoranthene
Concen: 9.811 ng m
RT: 15.080 min Scan# 2209
Delta R.T. -0.000 min
Lab File: BF124844.D
Acq: 29 Jul 2021 00:17



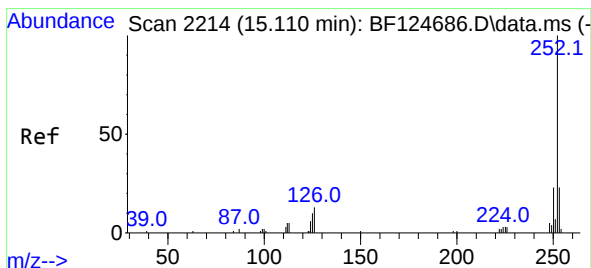
Tgt Ion:252 Resp: 6401
Ion Ratio Lower Upper
252 100
253 24.8 16.8 25.2
125 13.8 9.8 14.8



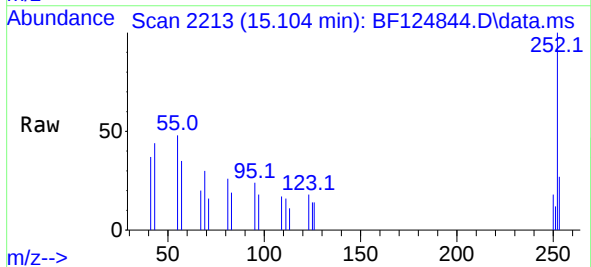
Instrument :
BNA_F
ClientSampled :
EO-01-072721

Manual Integrations
APPROVED

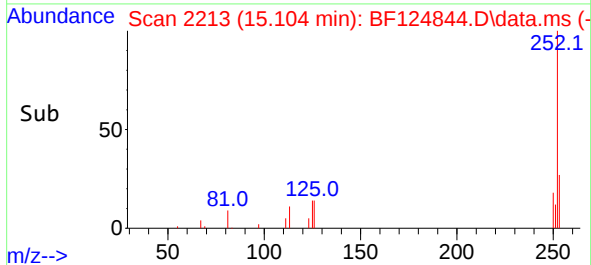
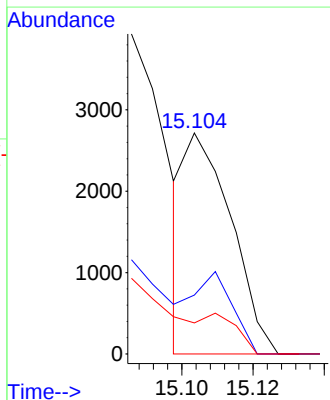
mohammad
7/29/2021 1:43:54 PM

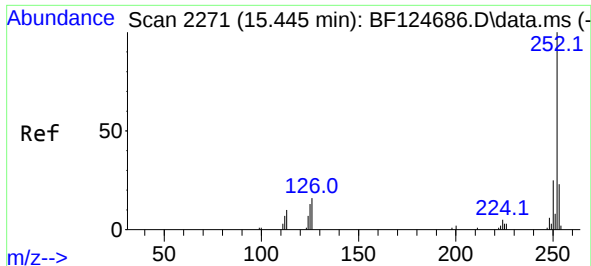


#89
Benzo(k)fluoranthene
Concen: 4.053 ng m
RT: 15.104 min Scan# 2213
Delta R.T. -0.006 min
Lab File: BF124844.D
Acq: 29 Jul 2021 00:17



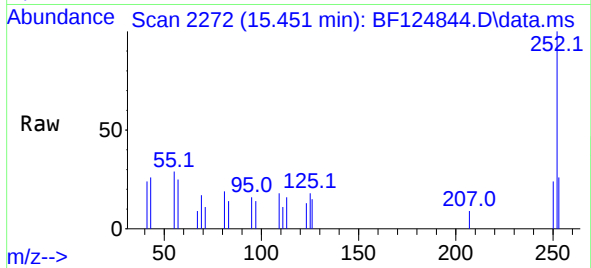
Tgt Ion:252 Resp: 2416
Ion Ratio Lower Upper
252 100
253 26.7 17.8 26.8
125 14.0 7.2 10.8#





#90
Benzo(a)pyrene
Concen: 8.284 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.006 min
Lab File: BF124844.D
Acq: 29 Jul 2021 00:17

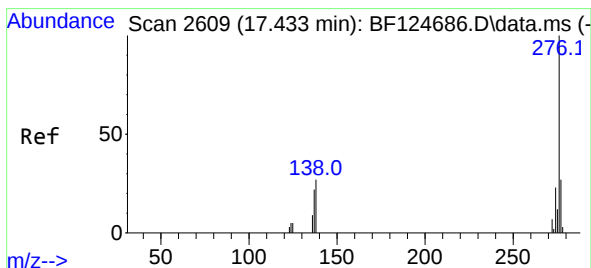
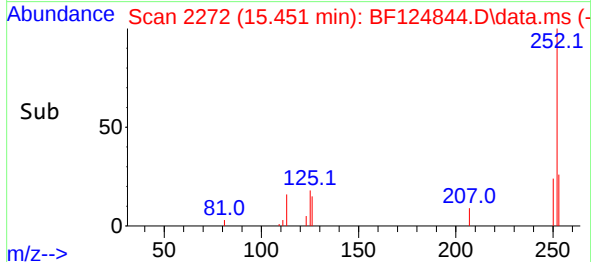
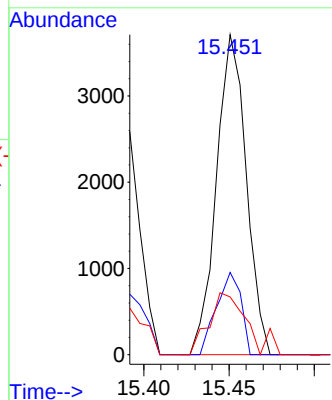
Instrument :
BNA_F
ClientSampled :
EO-01-072721



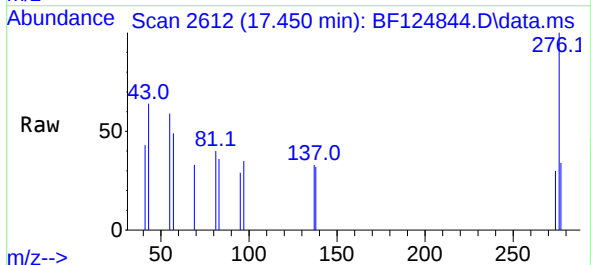
Tgt Ion:252 Resp: 4515
Ion Ratio Lower Upper
252 100
253 25.7 18.4 27.6
125 18.1 9.9 14.9#

Manual Integrations
APPROVED

mohammad
7/29/2021 1:43:54 PM



#92
Benzo(g,h,i)perylene
Concen: 4.807 ng
RT: 17.450 min Scan# 2612
Delta R.T. 0.017 min
Lab File: BF124844.D
Acq: 29 Jul 2021 00:17



Tgt Ion:276 Resp: 2135
Ion Ratio Lower Upper
276 100
277 34.4 22.0 33.0#
138 31.9 22.2 33.4

