

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061421\
 Data File : BF124316.D
 Acq On : 14 Jun 2021 20:33
 Operator : JU/CG
 Sample : M2639-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B67

Manual Integrations
 APPROVED

mohammad
 6/15/2021 2:39:21 PM

Quant Time: Jun 15 02:27:38 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 14 12:10:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	38771	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	151559	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	84504	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	129682	20.000	ng	-0.01
76) Chrysene-d12	14.010	240	104922	20.000	ng	0.00
86) Perylene-d12	15.492	264	74778	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	127794	49.618	ng	0.00
7) Phenol-d6	6.475	99	178229	51.482	ng	0.00
23) Nitrobenzene-d5	7.392	82	140244	36.700	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	47364	39.562	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	258949	38.561	ng	-0.01
79) Terphenyl-d14	12.945	244	215546	28.205	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.380	178	43798	5.406	ng	# 95
75) Fluoranthene	12.574	202	67139	7.896	ng	95
78) Pyrene	12.810	202	62977	6.251	ng	96
81) Benzo(a)anthracene	13.998	228	32721	4.281	ng	93
83) Chrysene	14.033	228	28557m	3.872	ng	
87) Indeno(1,2,3-cd)pyrene	16.968	276	11481	6.013	ng	# 82
88) Benzo(b)fluoranthene	15.057	252	37370m	6.433	ng	
90) Benzo(a)pyrene	15.427	252	22116	4.383	ng	# 88
91) Dibenzo(a,h)anthracene	16.980	278	4504	4.949	ng	# 66
92) Benzo(g,h,i)perylene	17.427	276	12477	5.999	ng	99

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

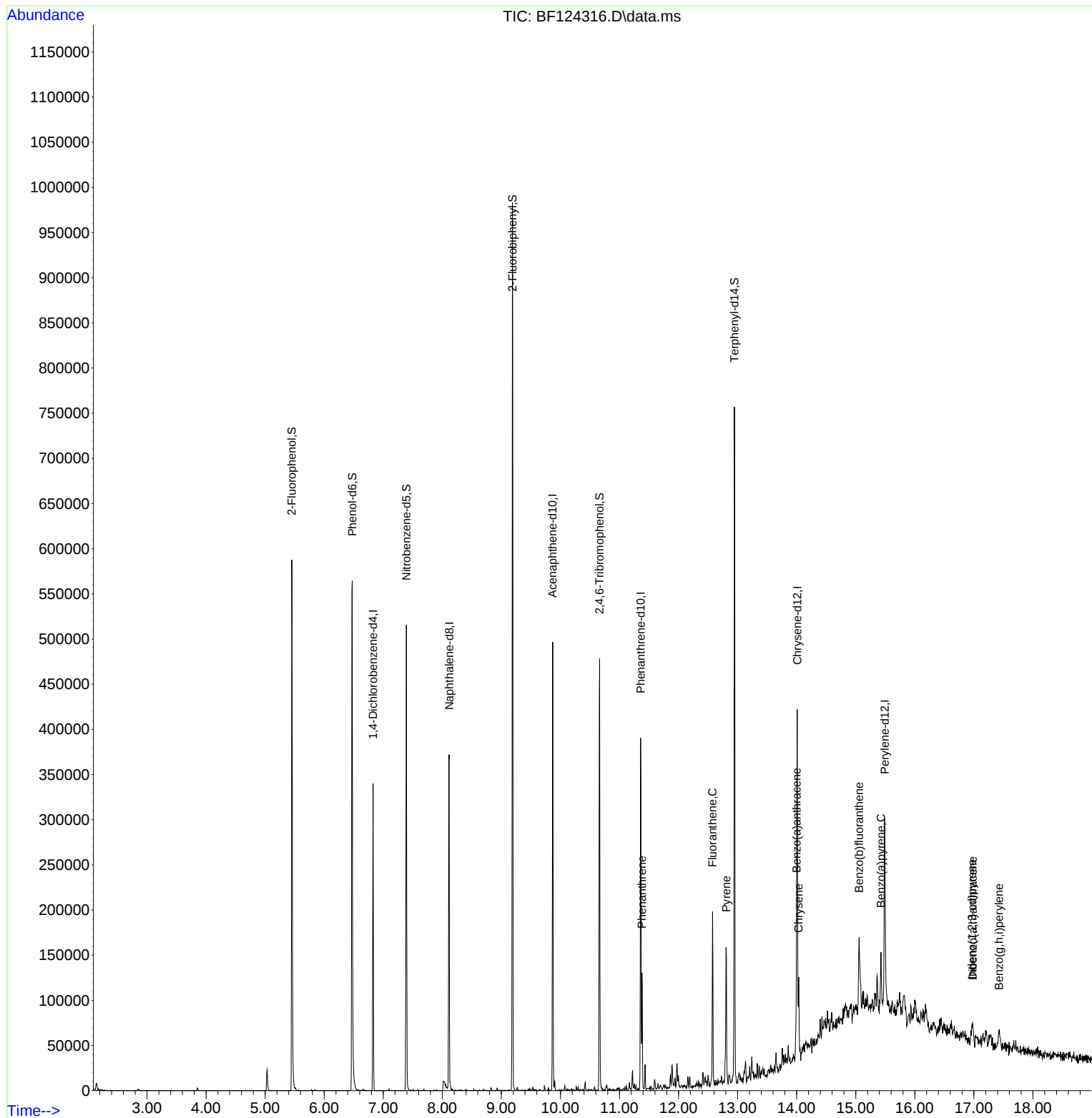
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061421\
Data File : BF124316.D
Acq On : 14 Jun 2021 20:33
Operator : JU/CG
Sample : M2639-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

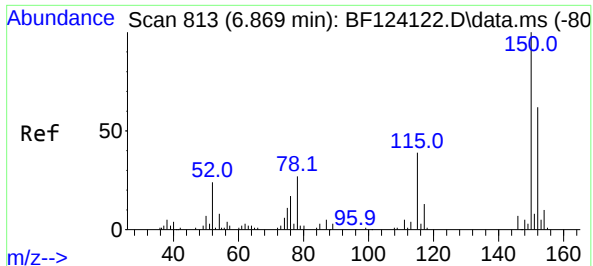
Instrument :
BNA_F
ClientSampleId :
B67

Manual Integrations
APPROVED

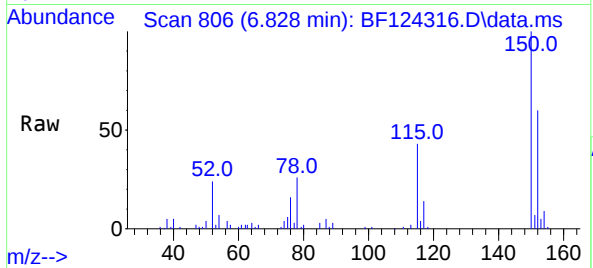
mohammad
6/15/2021 2:39:21 PM

Quant Time: Jun 15 02:27:38 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 14 12:10:02 2021
Response via : Initial Calibration

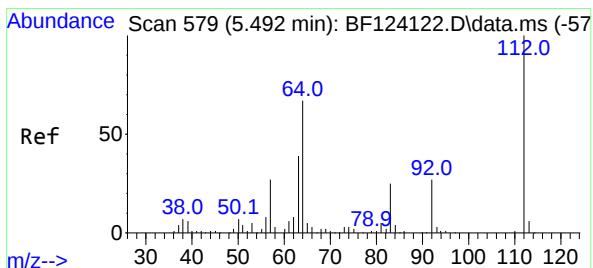
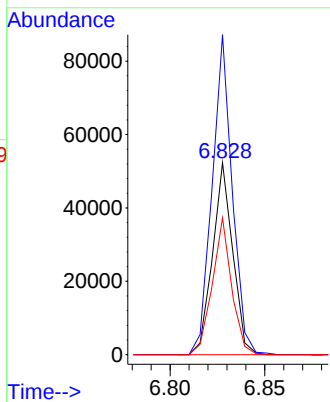
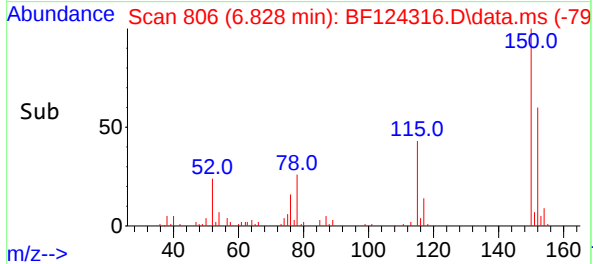




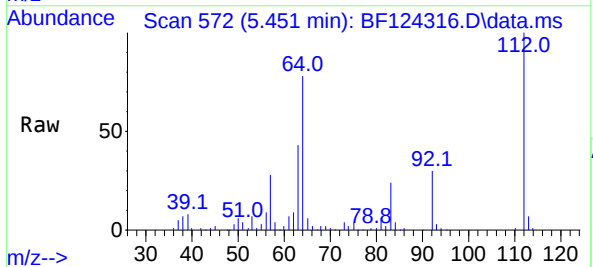
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33



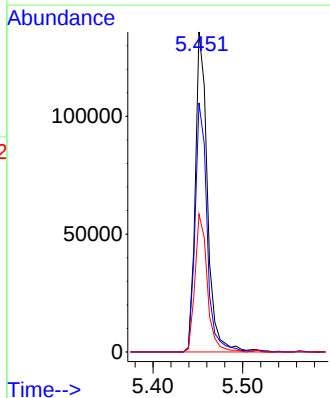
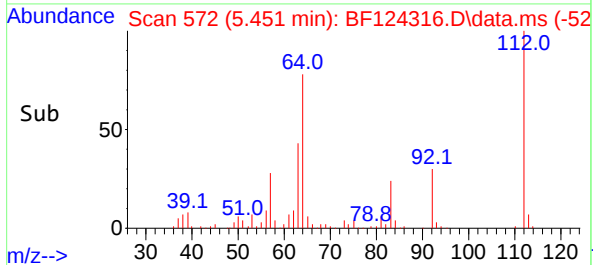
Tgt Ion:152 Resp: 38771
Ion Ratio Lower Upper
152 100
150 166.7 127.0 190.6
115 71.3 54.3 81.5



#5
2-Fluorophenol
Concen: 49.618 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.006 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33



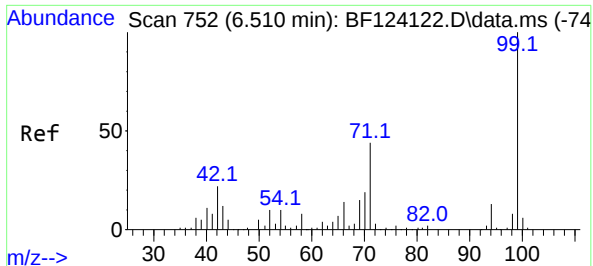
Tgt Ion:112 Resp: 127794
Ion Ratio Lower Upper
112 100
64 77.8 61.4 92.0
63 43.1 33.0 49.4



Instrument :
BNA_F
ClientSampled :
B67

Manual Integrations
APPROVED

mohammad
6/15/2021 2:39:21 PM



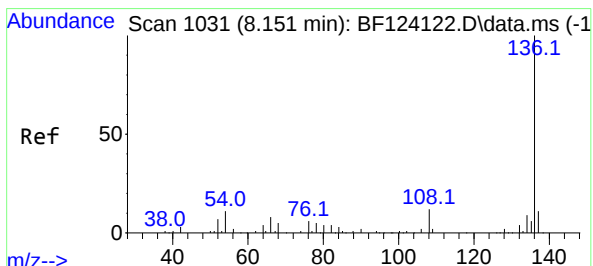
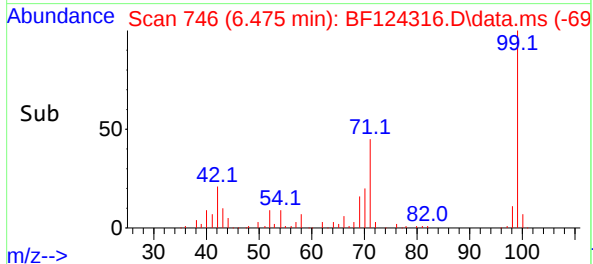
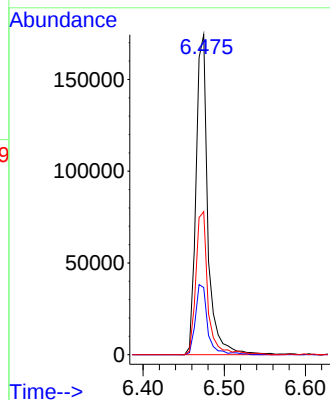
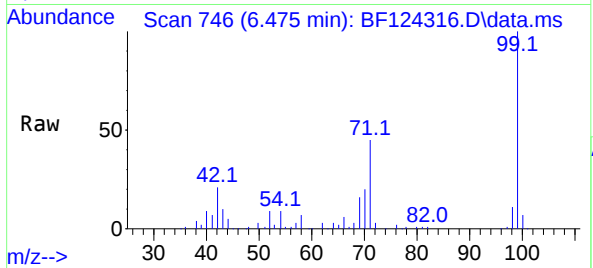
#7
Phenol-d6
Concen: 51.482 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

Tgt Ion: 99 Resp: 178229
Ion Ratio Lower Upper
99 100
42 21.0 19.8 29.8
71 44.7 31.1 46.7

Instrument :
BNA_F
ClientSampled :
B67

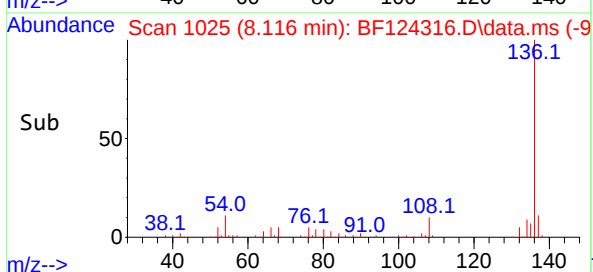
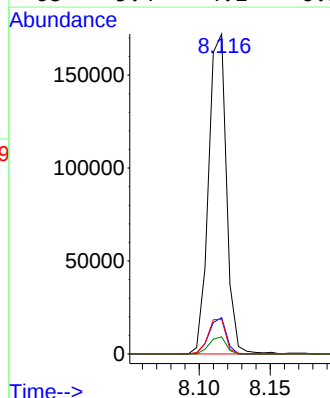
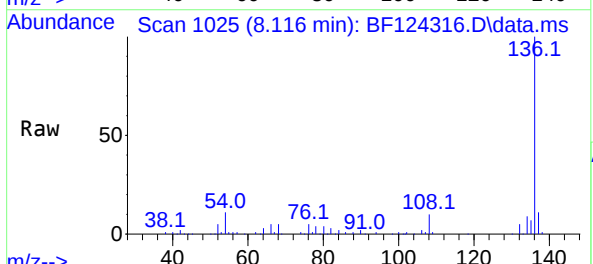
Manual Integrations
APPROVED

mohammad
6/15/2021 2:39:21 PM



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

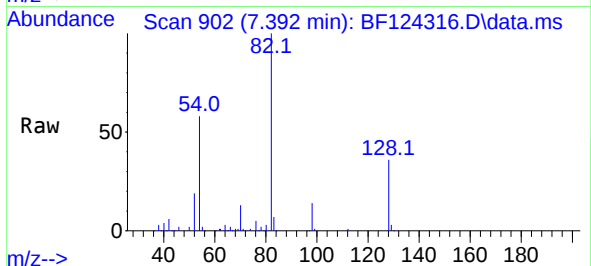
Tgt Ion: 136 Resp: 151559
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 10.8 9.8 14.6
68 5.4 4.1 6.1





#23
Nitrobenzene-d5
Concen: 36.700 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

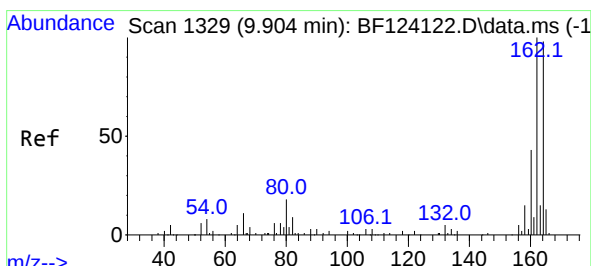
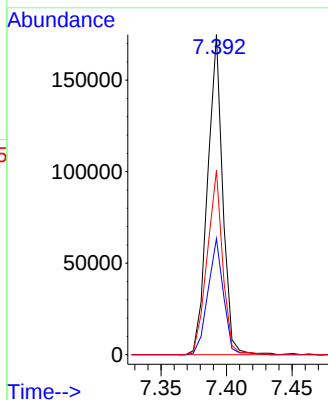
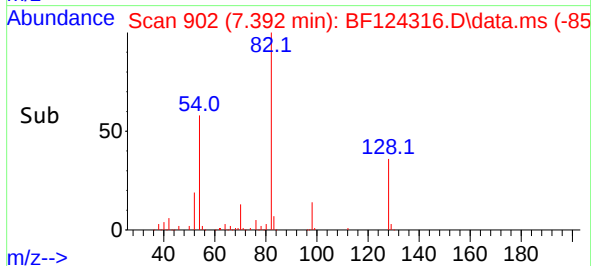
Instrument :
BNA_F
ClientSampled :
B67



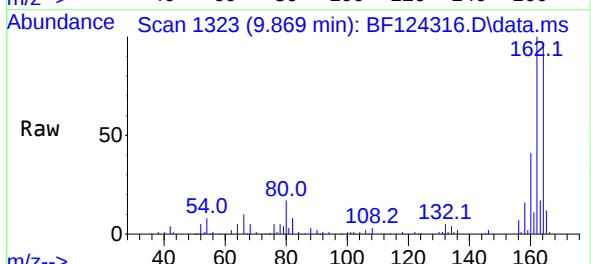
Tgt Ion: 82 Resp: 140244
Ion Ratio Lower Upper
82 100
128 36.3 29.4 44.2
54 57.6 54.1 81.1

Manual Integrations
APPROVED

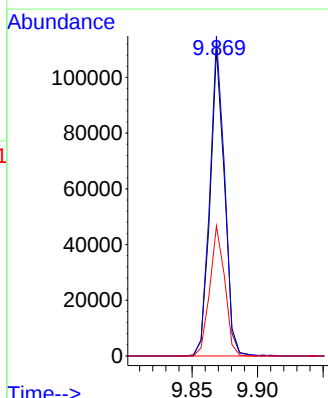
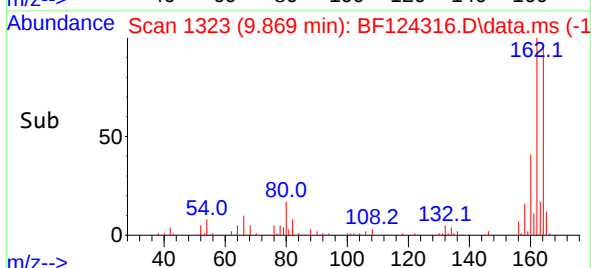
mohammad
6/15/2021 2:39:21 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33



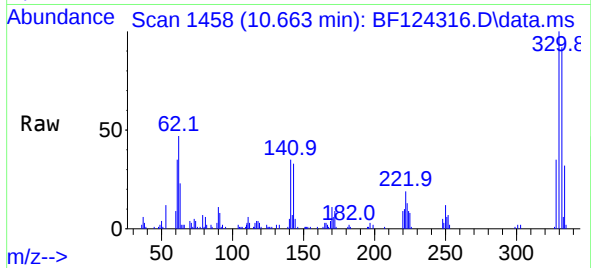
Tgt Ion: 164 Resp: 84504
Ion Ratio Lower Upper
164 100
162 104.2 80.7 121.1
160 42.4 37.3 55.9





#42
2,4,6-Tribromophenol
Concen: 39.562 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

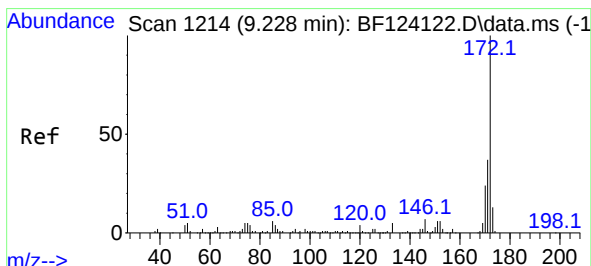
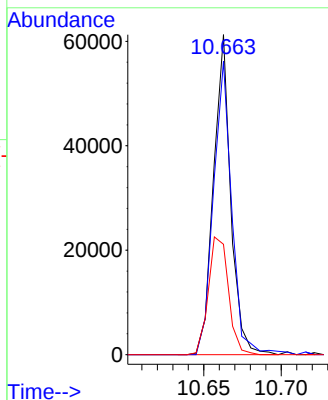
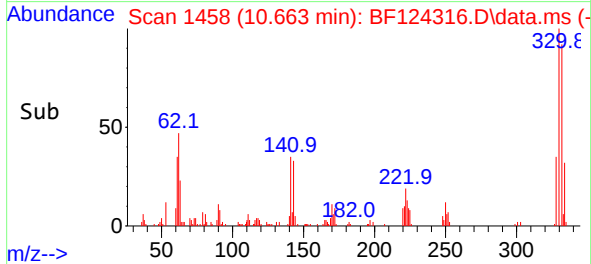
Instrument :
BNA_F
ClientSampleId :
B67



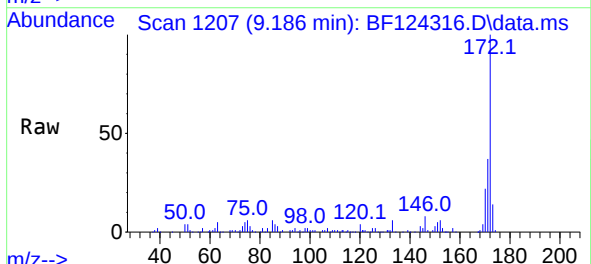
Tgt Ion: 330 Resp: 47364
Ion Ratio Lower Upper
330 100
332 97.8 77.1 115.7
141 43.0 27.9 41.9#

Manual Integrations
APPROVED

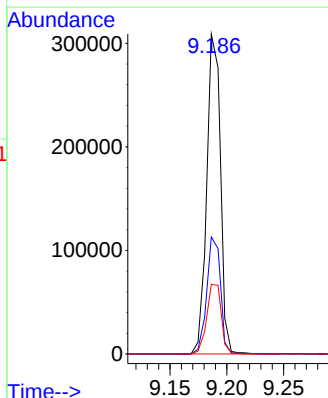
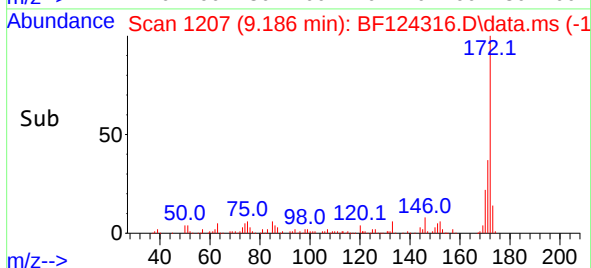
mohammad
6/15/2021 2:39:21 PM



#45
2-Fluorobiphenyl
Concen: 38.561 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33



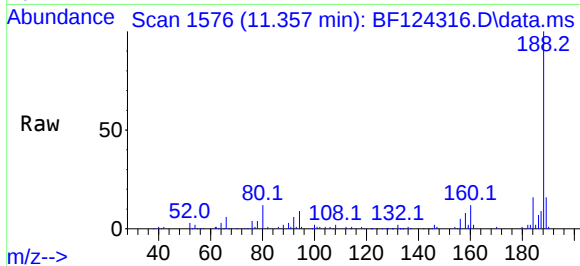
Tgt Ion: 172 Resp: 258949
Ion Ratio Lower Upper
172 100
171 36.6 28.1 42.1
170 21.7 19.2 28.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

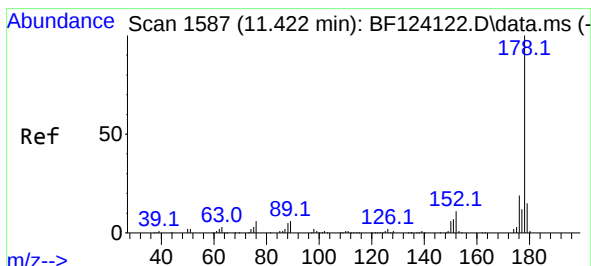
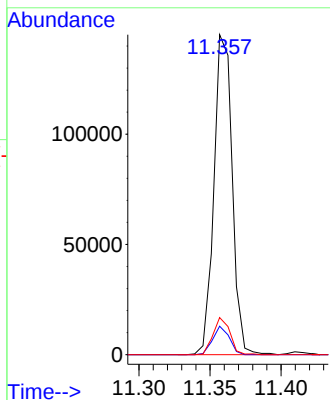
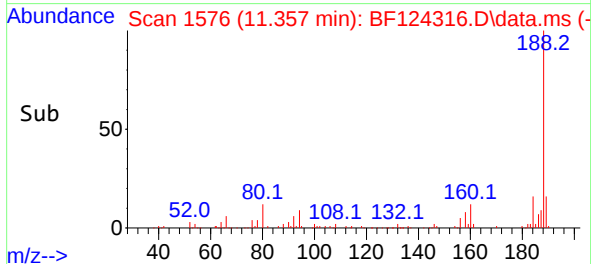
Instrument :
BNA_F
ClientSampleId :
B67



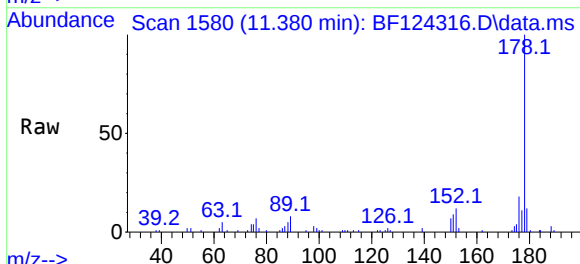
Tgt Ion:188 Resp: 129682
Ion Ratio Lower Upper
188 100
94 8.9 6.9 10.3
80 11.6 8.2 12.2

Manual Integrations
APPROVED

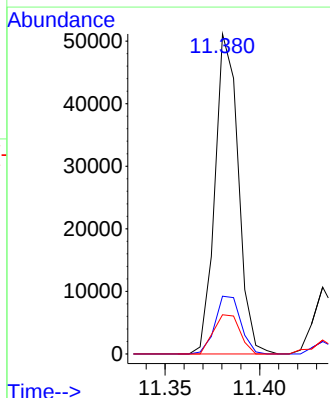
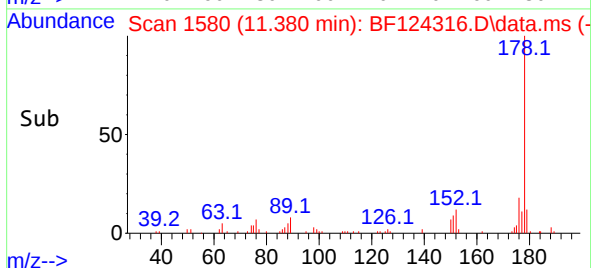
mohammad
6/15/2021 2:39:21 PM

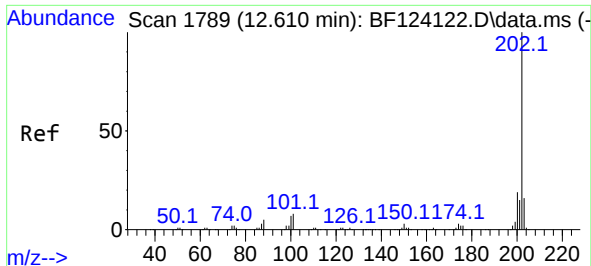


#71
Phenanthrene
Concen: 5.406 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

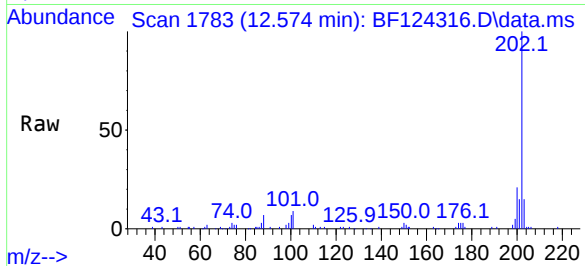


Tgt Ion:178 Resp: 43798
Ion Ratio Lower Upper
178 100
176 18.0 15.6 23.4
179 12.3 12.5 18.7#

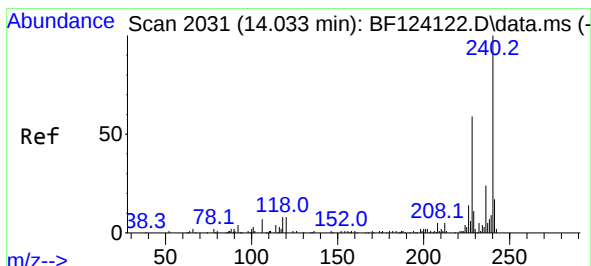
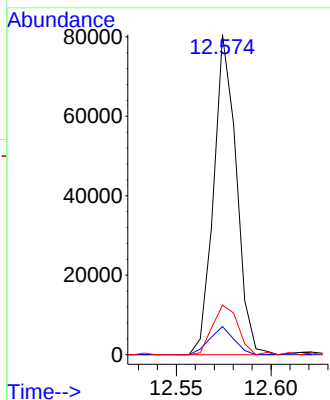
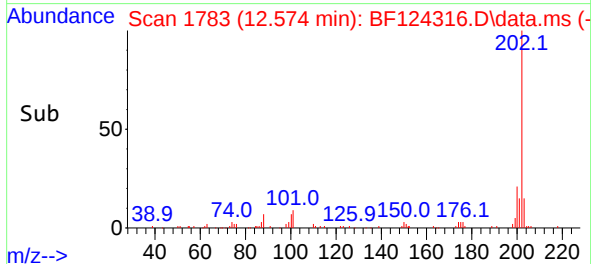




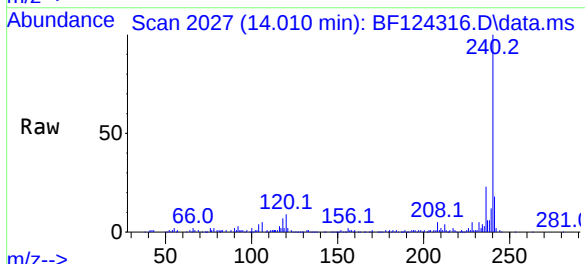
#75
Fluoranthene
Concen: 7.896 ng
RT: 12.574 min Scan# 1783
Delta R.T. -0.012 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33



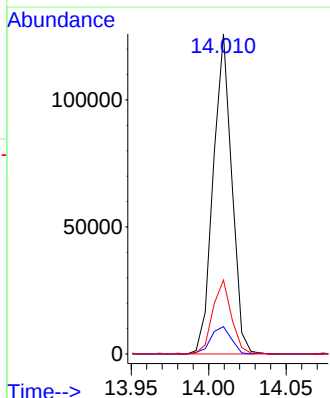
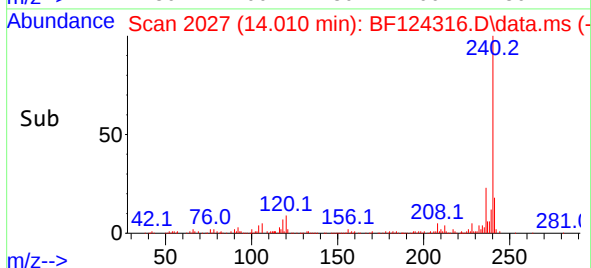
Tgt Ion: 202 Resp: 67139
Ion Ratio Lower Upper
202 100
101 8.8 0.0 30.9
203 15.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33



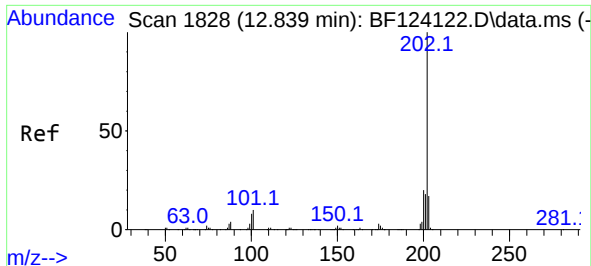
Tgt Ion: 240 Resp: 104922
Ion Ratio Lower Upper
240 100
120 8.6 7.2 10.8
236 23.1 19.0 28.4



Instrument :
BNA_F
ClientSampleId :
B67

Manual Integrations
APPROVED

mohammad
6/15/2021 2:39:21 PM



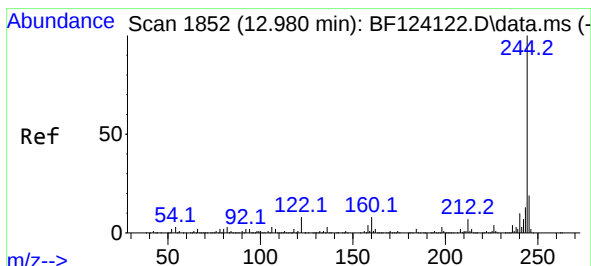
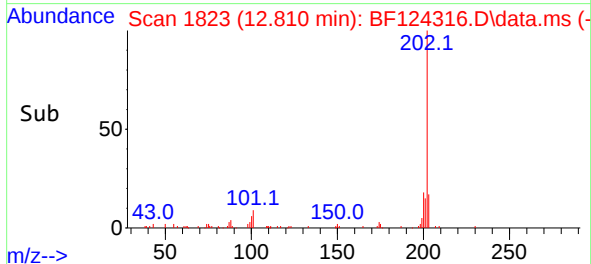
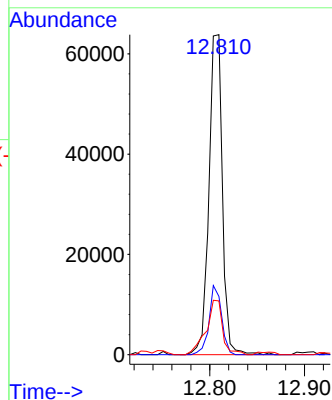
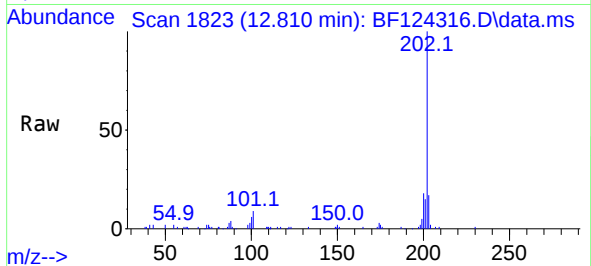
#78
Pyrene
Concen: 6.251 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

Tgt Ion:	202	Resp:	62977
Ion Ratio	Lower	Upper	
202	100		
200	18.2	16.1	24.1
203	16.8	14.8	22.2

Instrument :
BNA_F
ClientSampled :
B67

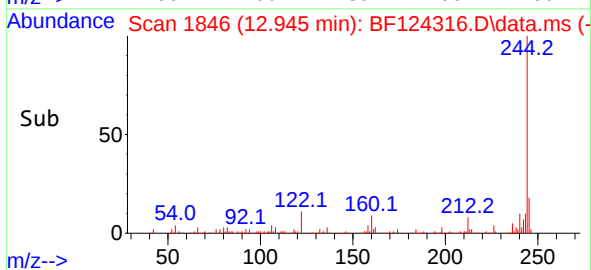
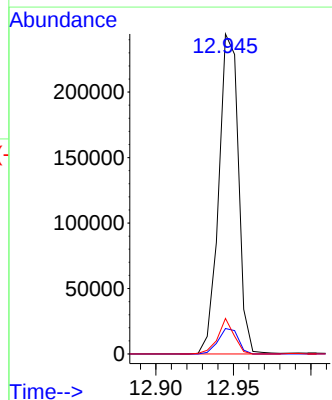
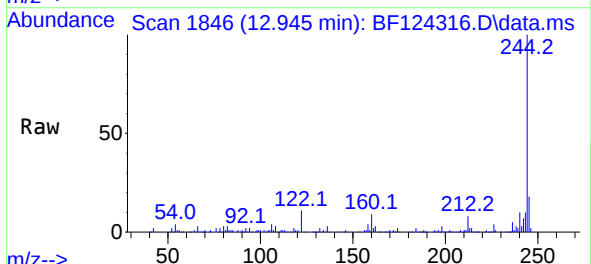
Manual Integrations
APPROVED

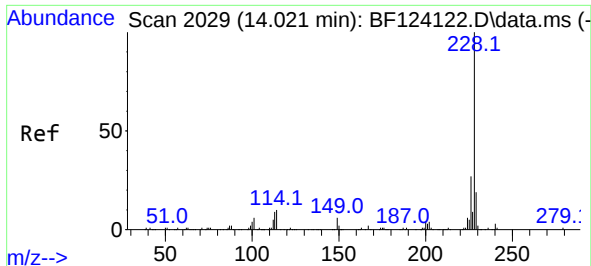
mohammad
6/15/2021 2:39:21 PM



#79
Terphenyl-d14
Concen: 28.205 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.012 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

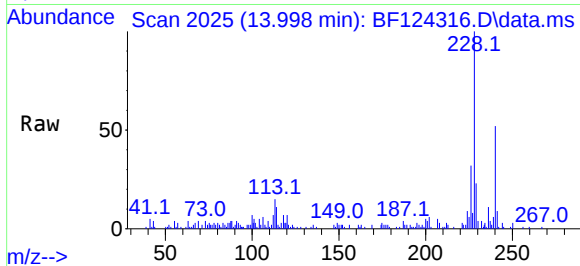
Tgt Ion:	244	Resp:	215546
Ion Ratio	Lower	Upper	
244	100		
212	8.0	5.7	8.5
122	11.1	9.7	14.5





#81
Benzo(a)anthracene
Concen: 4.281 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

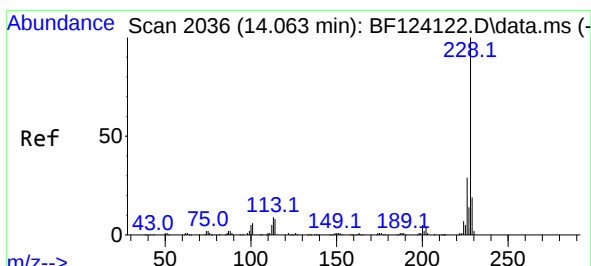
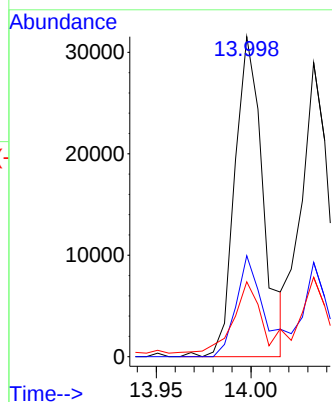
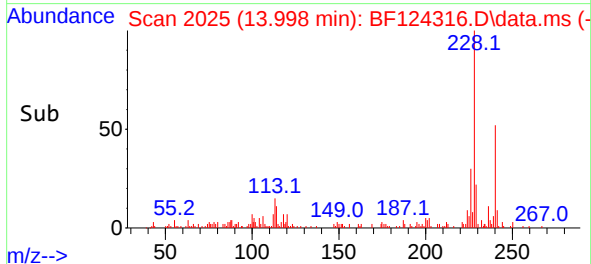
Instrument :
BNA_F
ClientSampleId :
B67



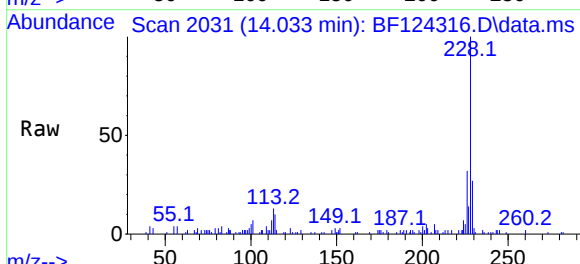
Tgt Ion:228 Resp: 32721
Ion Ratio Lower Upper
228 100
226 31.5 22.4 33.6
229 23.4 16.0 24.0

Manual Integrations
APPROVED

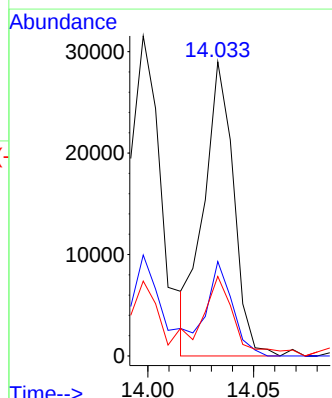
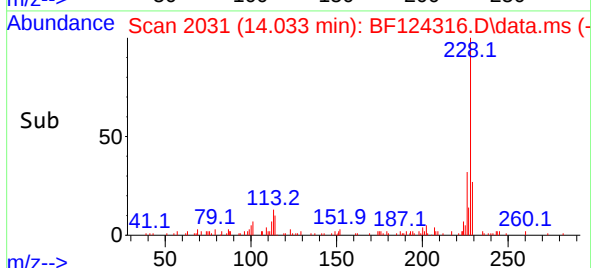
mohammad
6/15/2021 2:39:21 PM

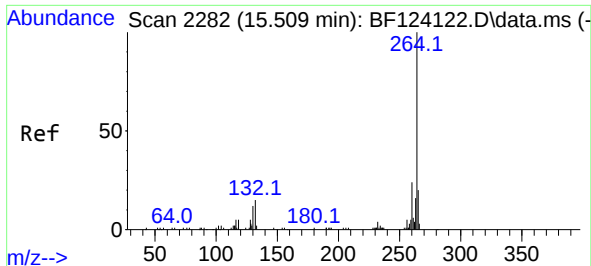


#83
Chrysene
Concen: 3.872 ng m
RT: 14.033 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

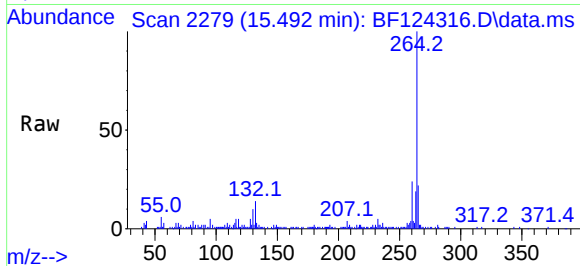


Tgt Ion:228 Resp: 28557
Ion Ratio Lower Upper
228 100
226 32.1 24.3 36.5
229 27.0 16.2 24.2#

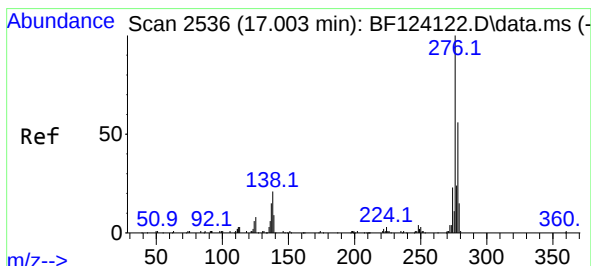
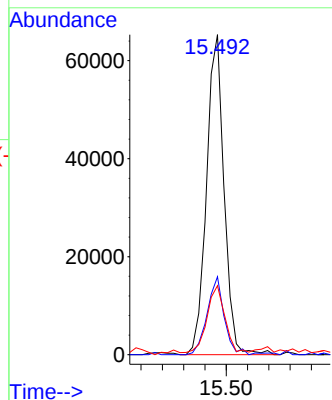
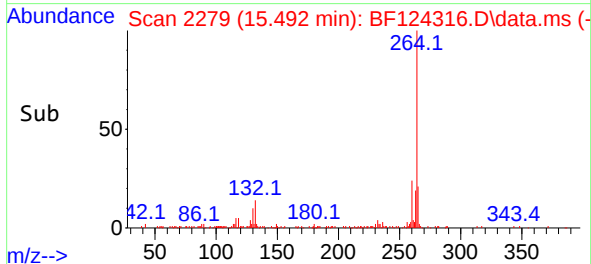




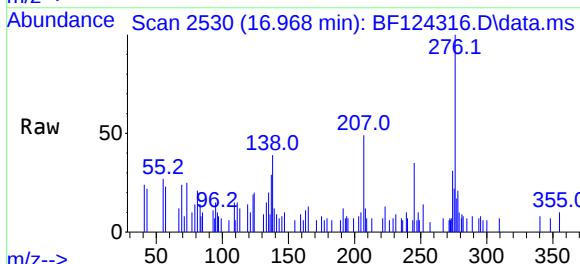
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33



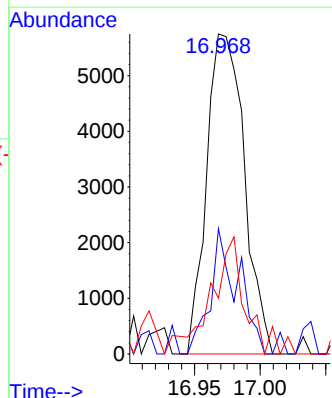
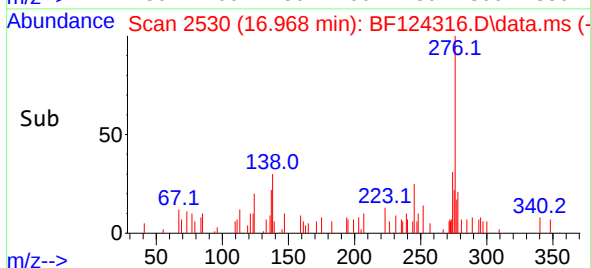
Tgt Ion:264 Resp: 74778
Ion Ratio Lower Upper
264 100
260 24.3 18.7 28.1
265 21.6 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.013 ng
RT: 16.968 min Scan# 2530
Delta R.T. -0.018 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33



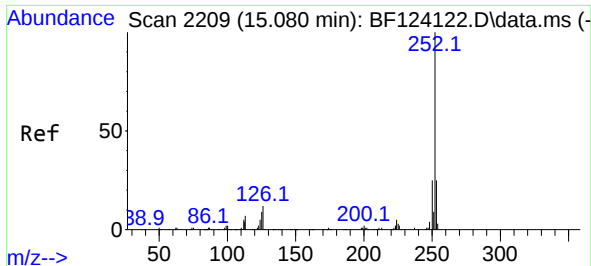
Tgt Ion:276 Resp: 11481
Ion Ratio Lower Upper
276 100
138 29.1 16.2 24.2#
277 34.1 20.1 30.1#



Instrument :
BNA_F
ClientSampleId :
B67

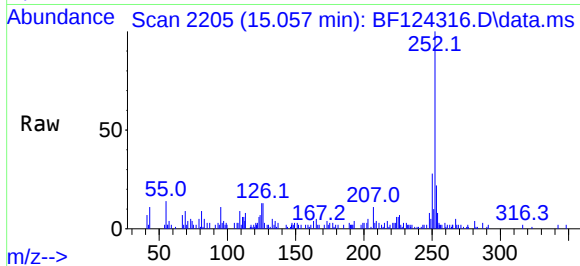
Manual Integrations
APPROVED

mohammad
6/15/2021 2:39:21 PM



#88
Benzo(b)fluoranthene
Concen: 6.433 ng m
RT: 15.057 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

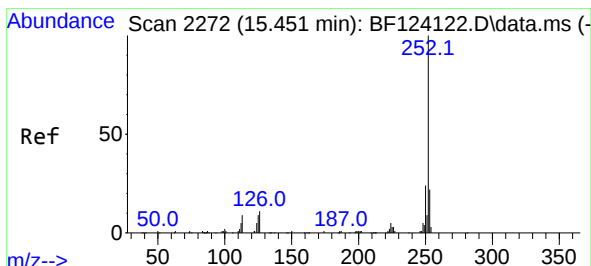
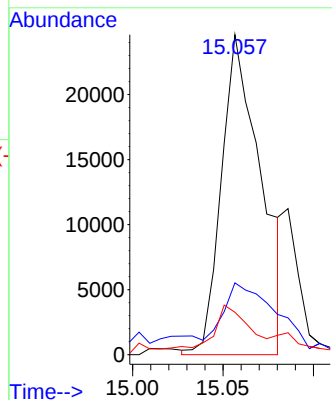
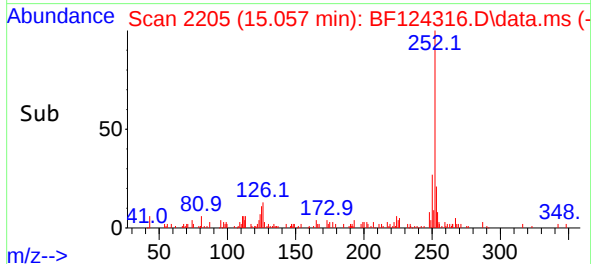
Instrument :
BNA_F
ClientSampleId :
B67



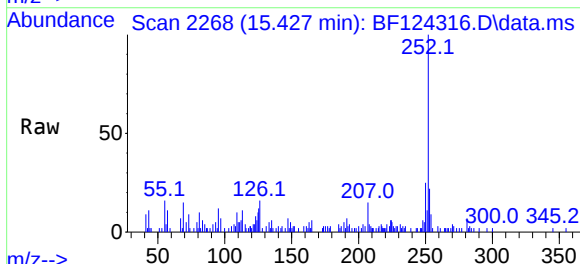
Tgt Ion:252 Resp: 37370
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 13.2 6.2 9.4#

Manual Integrations
APPROVED

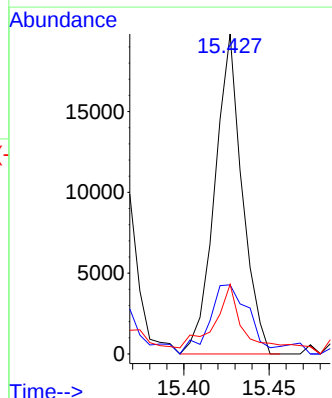
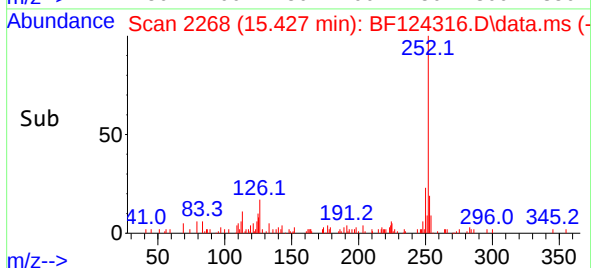
mohammad
6/15/2021 2:39:21 PM

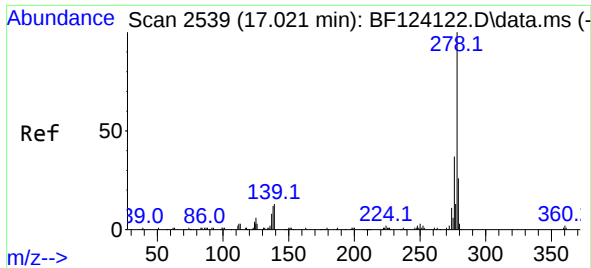


#90
Benzo(a)pyrene
Concen: 4.383 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33



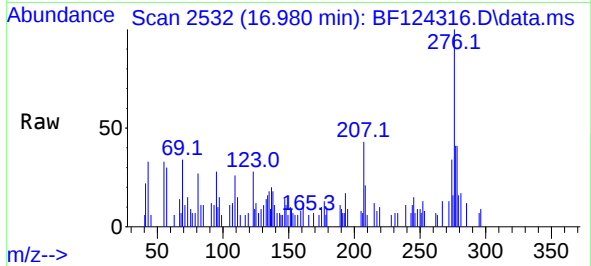
Tgt Ion:252 Resp: 22116
Ion Ratio Lower Upper
252 100
253 21.6 18.4 27.6
125 21.7 8.0 12.0#





#91
Dibenzo(a,h)anthracene
Concen: 4.949 ng
RT: 16.980 min Scan# 2532
Delta R.T. -0.018 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

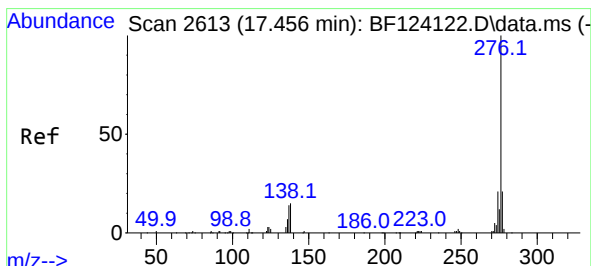
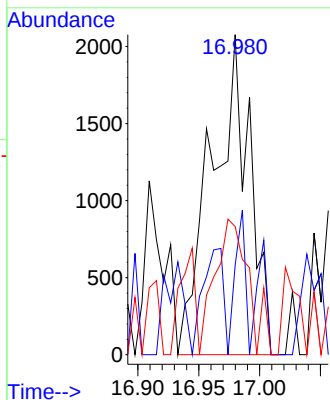
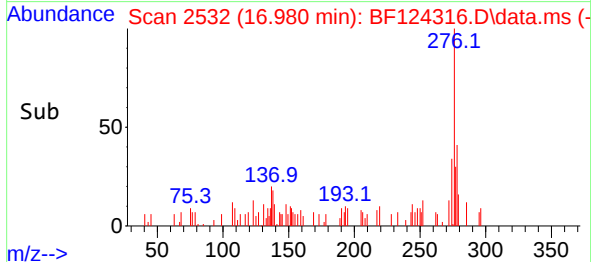
Instrument :
BNA_F
ClientSampled :
B67



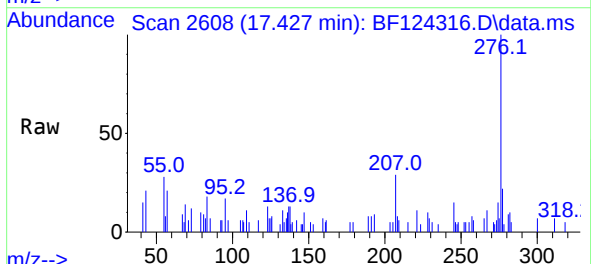
Tgt Ion:278 Resp: 4504
Ion Ratio Lower Upper
278 100
139 28.0 10.2 15.2#
279 40.1 19.4 29.0#

Manual Integrations
APPROVED

mohammad
6/15/2021 2:39:21 PM



#92
Benzo(g,h,i)perylene
Concen: 5.999 ng
RT: 17.427 min Scan# 2608
Delta R.T. -0.012 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33



Tgt Ion:276 Resp: 12477
Ion Ratio Lower Upper
276 100
277 21.9 18.2 27.2
138 17.3 13.8 20.6

