

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050421\
 Data File : BF123820.D
 Acq On : 4 May 2021 21:28
 Operator : JU/CG
 Sample : M2254-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Manual Integrations
 APPROVED

mohammad
 5/5/2021 11:25:24 AM

Quant Time: May 05 05:14:02 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 04 12:58:27 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	254228	20.00	ng	-0.01
21) Naphthalene-d8	8.086	136	954410	20.00	ng	-0.01
39) Acenaphthene-d10	9.851	164	359055	20.00	ng	0.00
64) Phenanthrene-d10	11.357	188	489581	20.00	ng	# 0.02
76) Chrysene-d12	13.992	240	442406	20.00	ng	# 0.00
86) Perylene-d12	15.439	264	543162	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1342297	83.65	ng	0.00
7) Phenol-d6	6.439	99	1780314	80.54	ng	0.00
23) Nitrobenzene-d5	7.363	82	1252918	59.26	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	355787	79.60	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	1802076	73.09	ng	-0.01
79) Terphenyl-d14	12.945	244	1198755	52.18	ng	0.02
Target Compounds						Qvalue
58) Fluorene	10.404	166	60256	2.38	ng	# 47
71) Phenanthrene	11.380	178	336080	13.09	ng	# 72
72) Anthracene	11.433	178	84364	3.30	ng	# 41
75) Fluoranthene	12.586	202	562767	20.09	ng	94
78) Pyrene	12.810	202	503210	14.65	ng	96
81) Benzo(a)anthracene	13.980	228	286644	10.69	ng	96
83) Chrysene	14.015	228	268535m	9.96	ng	
87) Indeno(1,2,3-cd)pyrene	16.874	276	198700	6.28	ng	98
88) Benzo(b)fluoranthene	15.021	252	405318m	11.07	ng	
89) Benzo(k)fluoranthene	15.045	252	152904m	4.38	ng	
90) Benzo(a)pyrene	15.374	252	306016	9.78	ng	# 94
92) Benzo(g,h,i)perylene	17.309	276	180891	6.76	ng	# 92

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

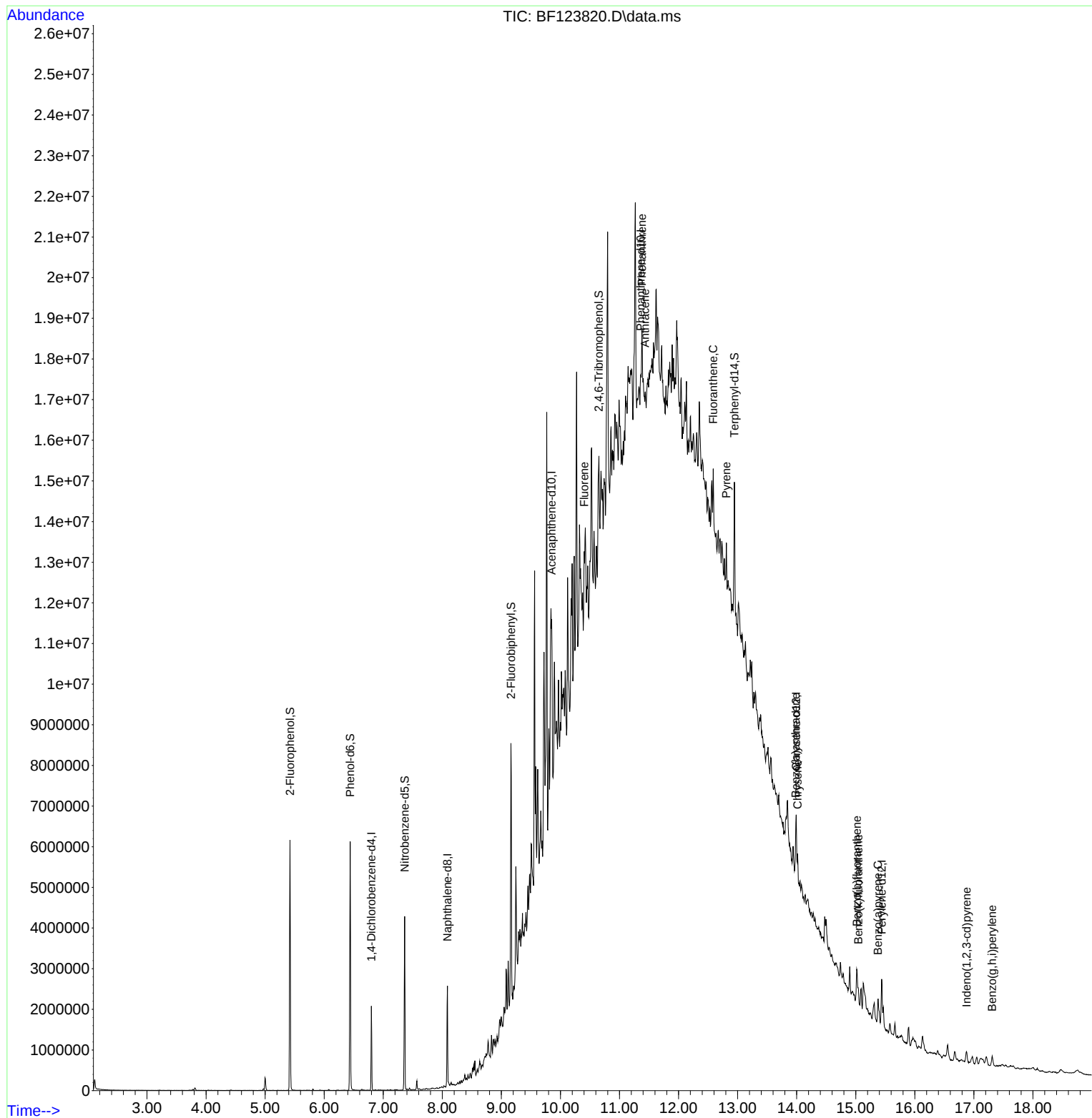
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050421\
Data File : BF123820.D
Acq On : 4 May 2021 21:28
Operator : JU/CG
Sample : M2254-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

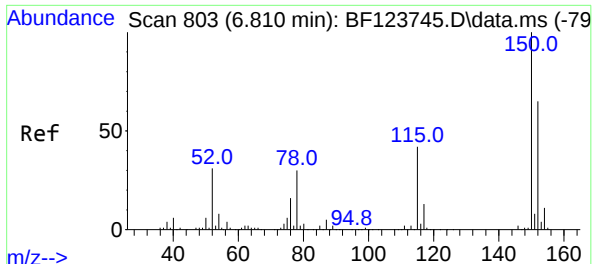
Instrument :
BNA_F
ClientSampleId :
TP-2

Manual Integrations
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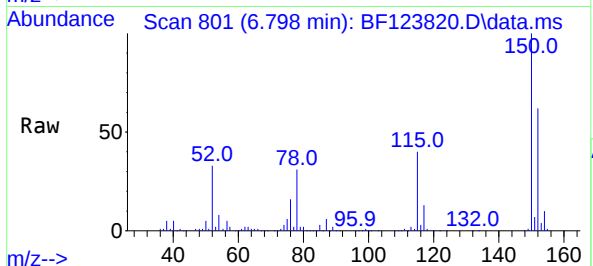
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Quant Time: May 05 05:14:02 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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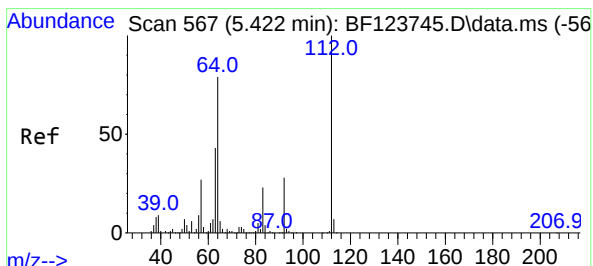
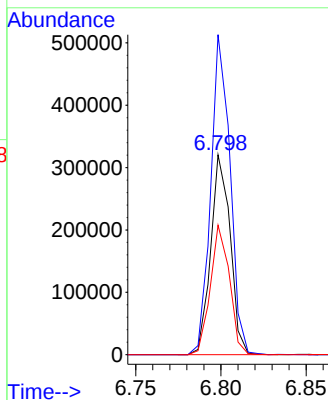
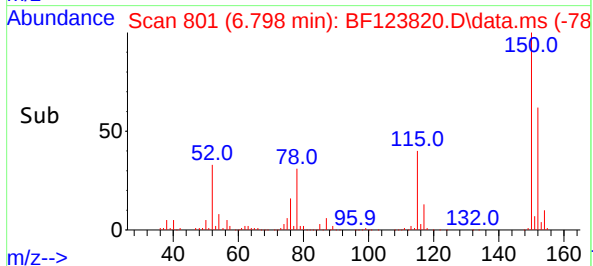




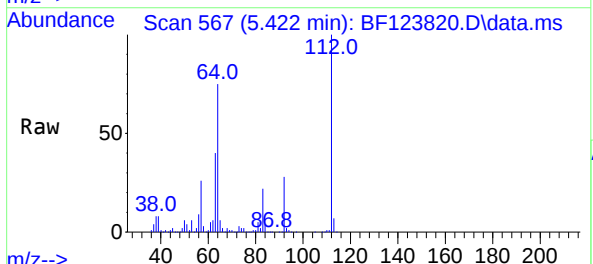
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.798 min Scan# 801
Delta R.T. -0.012 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28



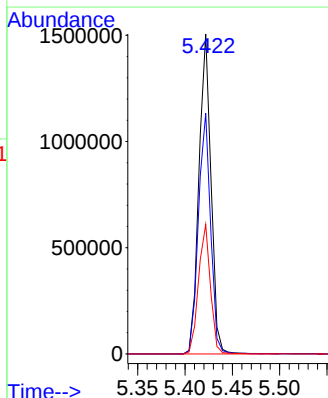
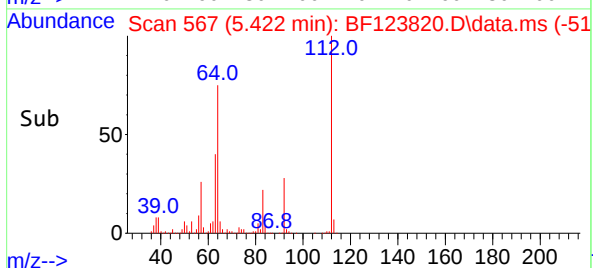
Tgt Ion:152 Resp: 254228
Ion Ratio Lower Upper
152 100
150 160.1 127.0 190.6
115 64.7 54.3 81.5



#5
2-Fluorophenol
Concen: 83.65 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.000 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28



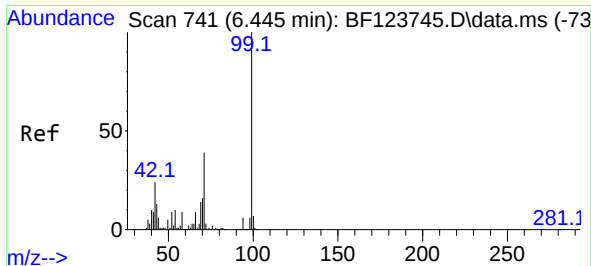
Tgt Ion:112 Resp: 1342297
Ion Ratio Lower Upper
112 100
64 75.2 61.4 92.0
63 40.5 33.0 49.4



Instrument :
BNA_F
ClientSampleId :
TP-2

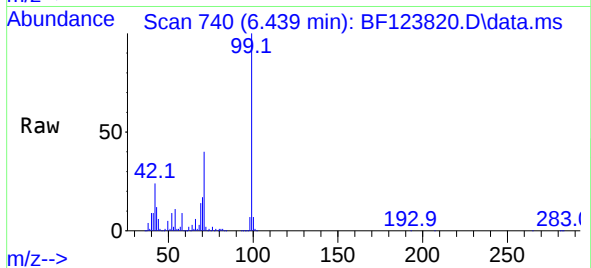
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#7
Phenol-d6
Concen: 80.54 ng
RT: 6.439 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28

Instrument :
BNA_F
ClientSampled :
TP-2

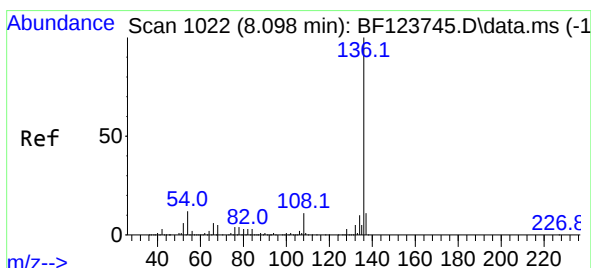
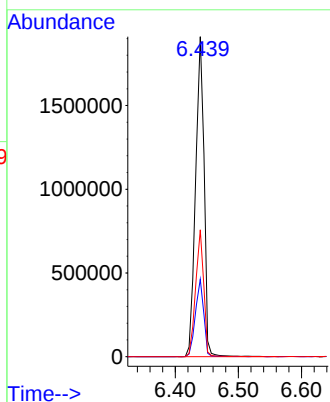
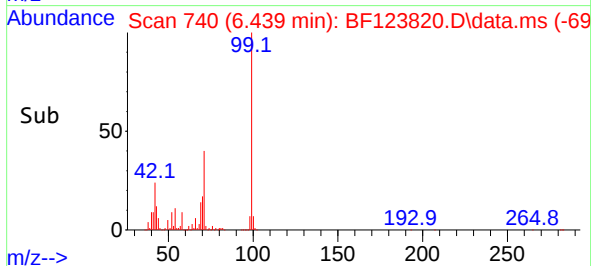


Tgt Ion: 99 Resp: 1780314

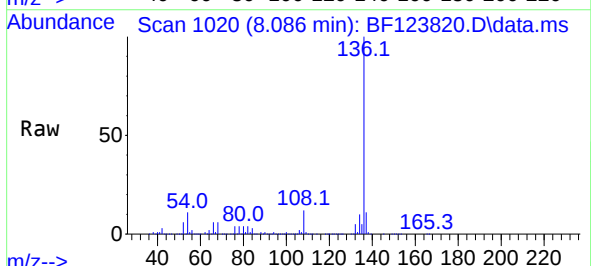
Ion	Ratio	Lower	Upper
99	100		
42	24.2	19.8	29.8
71	39.7	31.1	46.7

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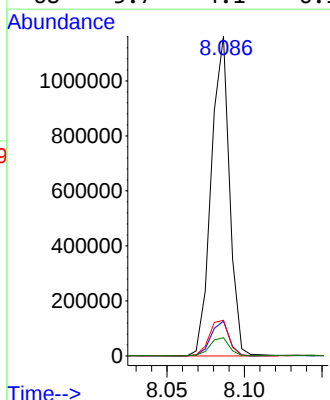
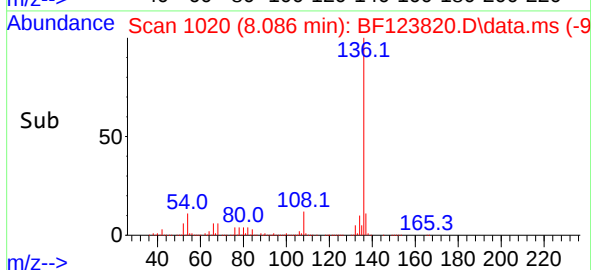


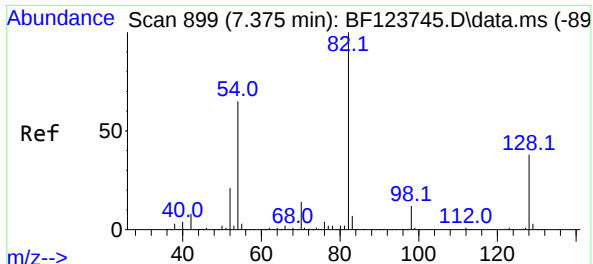
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.086 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28



Tgt Ion: 136 Resp: 954410

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	11.2	9.8	14.6
68	5.7	4.1	6.1





#23
Nitrobenzene-d5
Concen: 59.26 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28

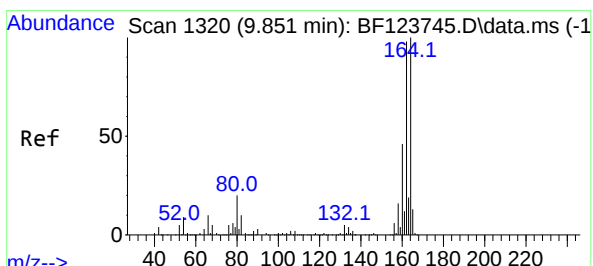
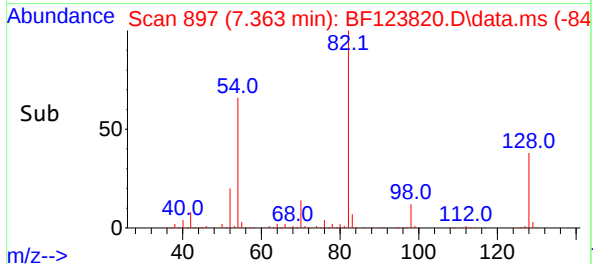
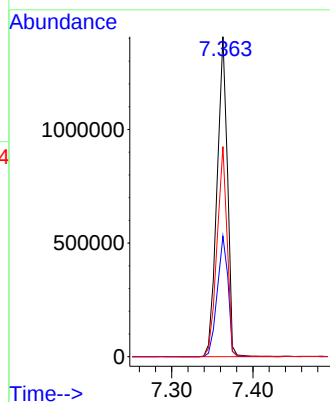
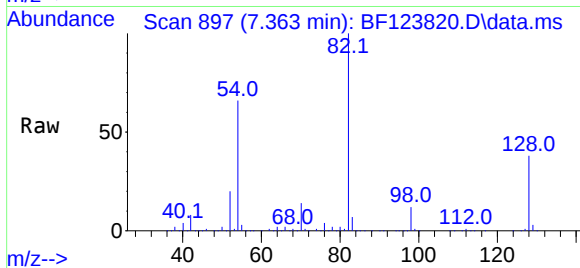
Tgt Ion: 82 Resp: 1252918

Ion	Ratio	Lower	Upper
82	100		
128	37.6	29.4	44.2
54	65.7	54.1	81.1

Instrument :
BNA_F
ClientSampled :
TP-2

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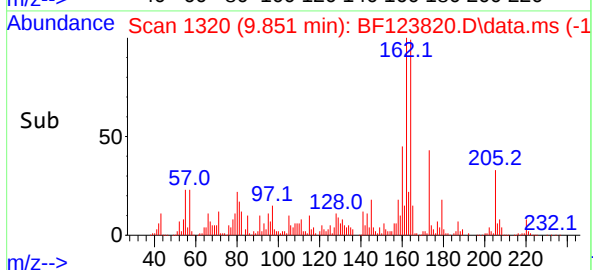
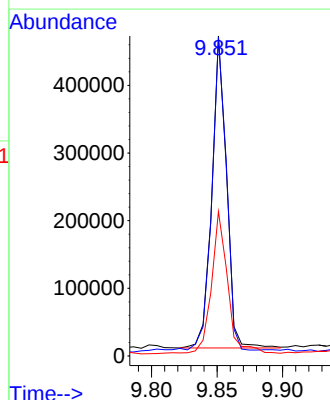
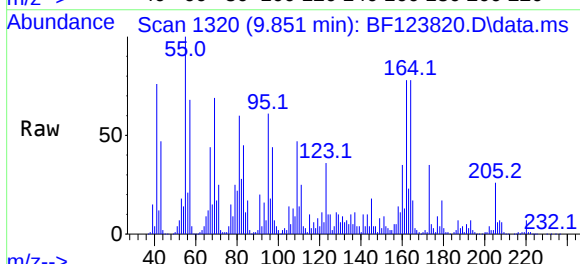
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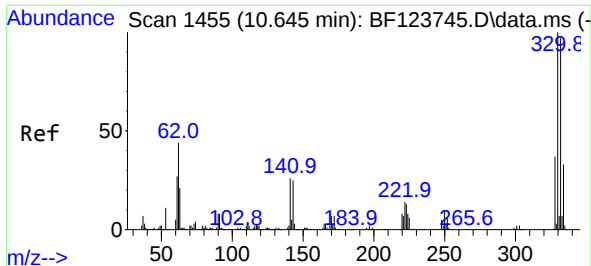


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.851 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28

Tgt Ion:164 Resp: 359055

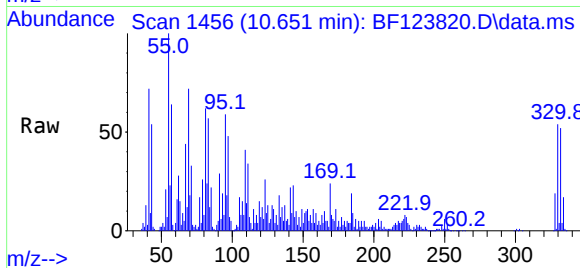
Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.7	121.1
160	45.1	37.3	55.9





#42
2,4,6-Tribromophenol
Concen: 79.60 ng
RT: 10.651 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28

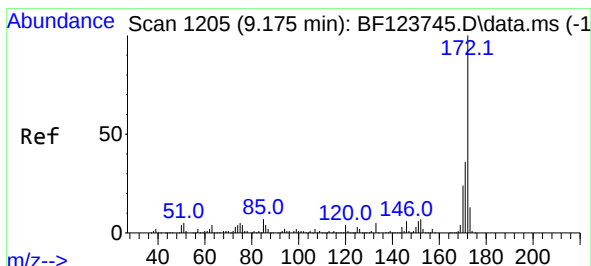
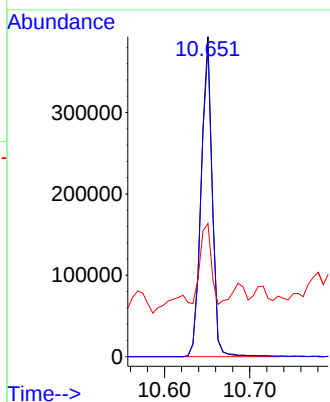
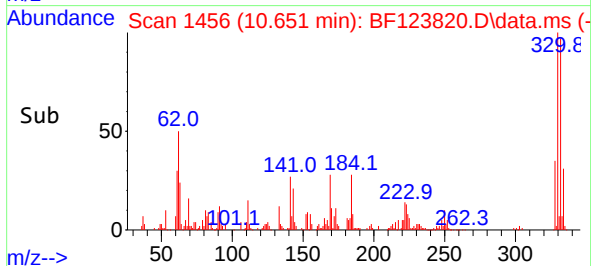
Instrument :
BNA_F
ClientSampled :
TP-2



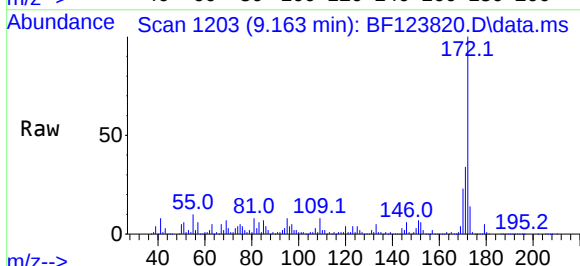
Tgt Ion:330 Resp: 355787
Ion Ratio Lower Upper
330 100
332 96.6 77.1 115.7
141 26.0 27.9 41.9#

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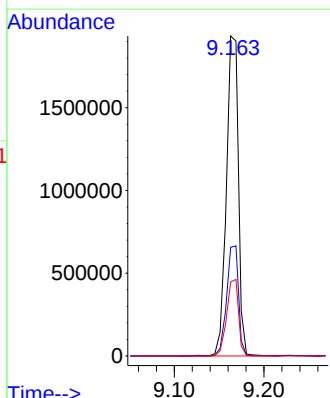
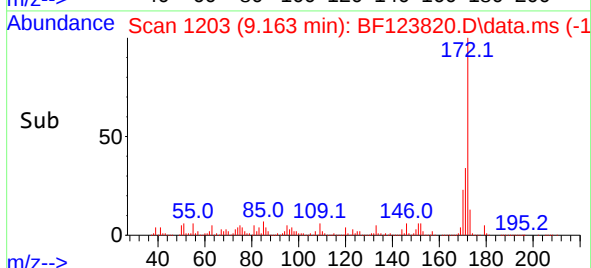
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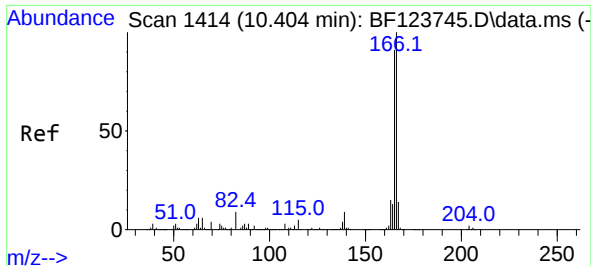


#45
2-Fluorobiphenyl
Concen: 73.09 ng
RT: 9.163 min Scan# 1203
Delta R.T. -0.012 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28



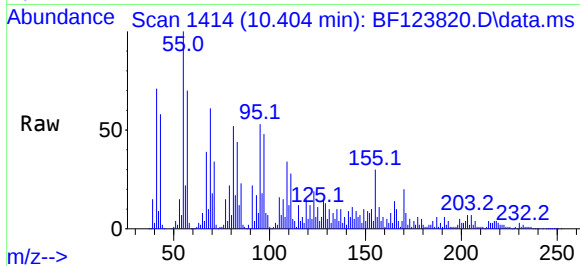
Tgt Ion:172 Resp: 1802076
Ion Ratio Lower Upper
172 100
171 34.0 28.1 42.1
170 23.1 19.2 28.8





#58
Fluorene
Concen: 2.38 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28

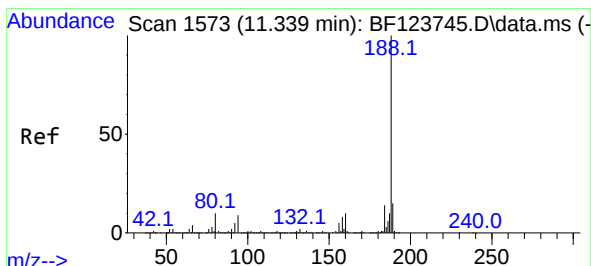
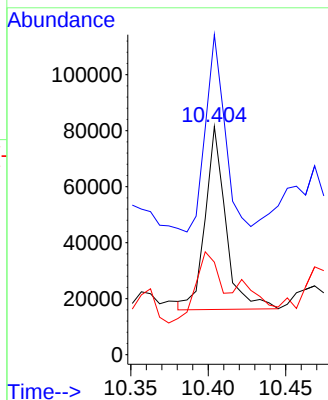
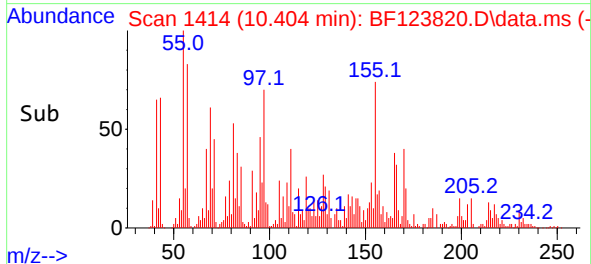
Instrument :
BNA_F
ClientSampled :
TP-2



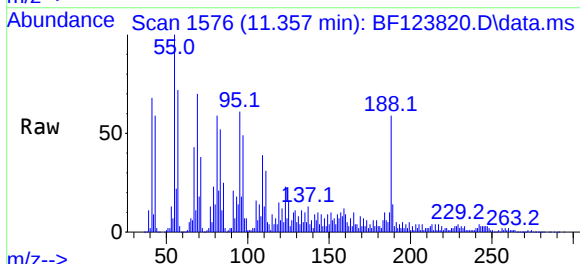
Tgt Ion:166 Resp: 60256
Ion Ratio Lower Upper
166 100
165 140.2 73.5 110.3#
167 40.5 10.7 16.1#

Manual Integrations
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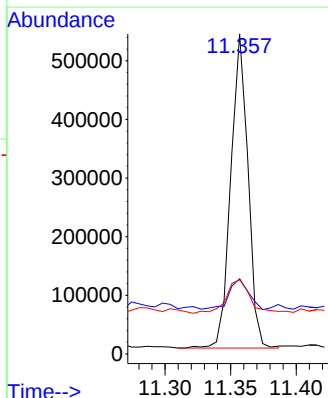
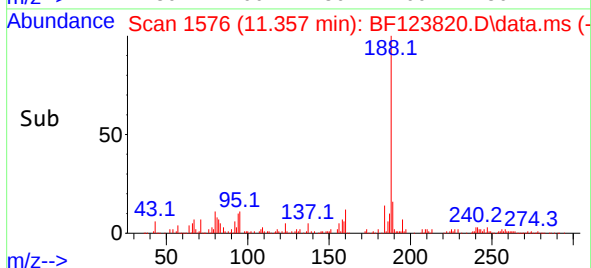
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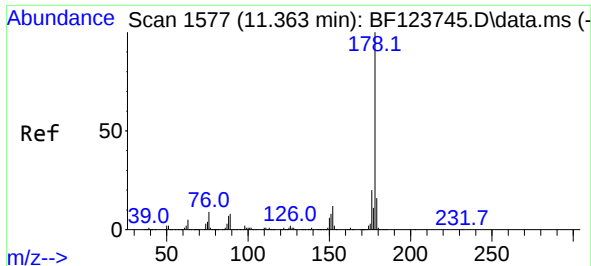


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.357 min Scan# 1576
Delta R.T. 0.018 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28



Tgt Ion:188 Resp: 489581
Ion Ratio Lower Upper
188 100
94 23.5 6.9 10.3#
80 23.2 8.2 12.2#





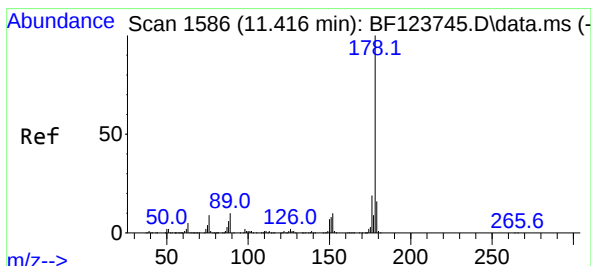
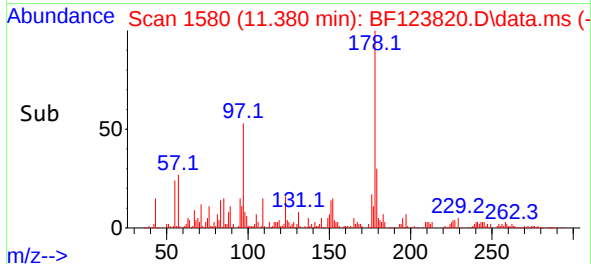
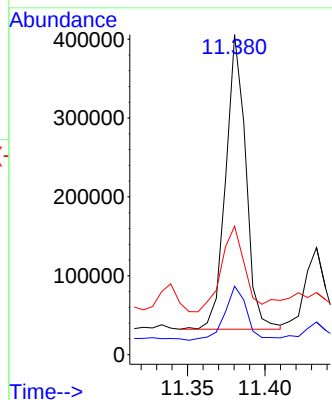
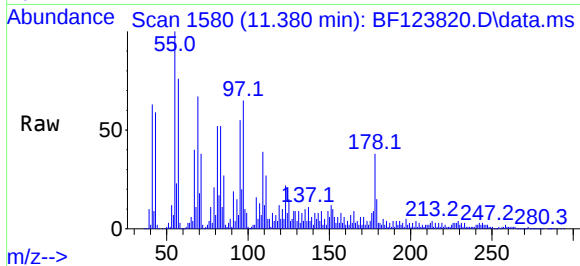
#71
Phenanthrene
Concen: 13.09 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.018 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28

Tgt Ion:178 Resp: 336080
Ion Ratio Lower Upper
178 100
176 21.4 15.6 23.4
179 40.1 12.5 18.7#

Instrument :
BNA_F
ClientSampled :
TP-2

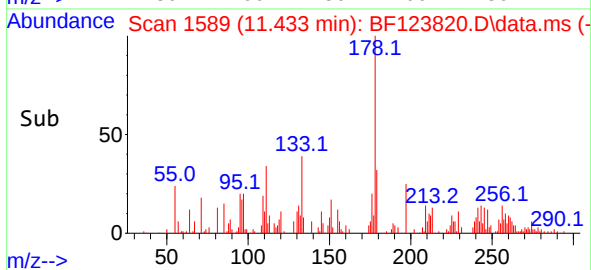
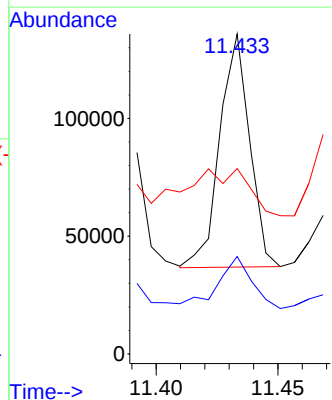
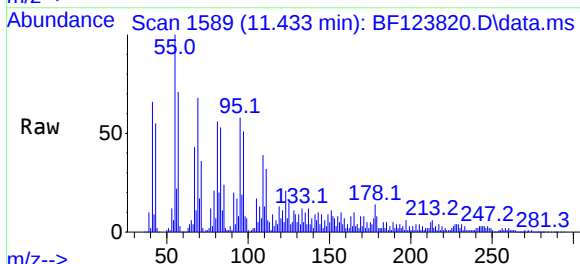
Manual Integrations
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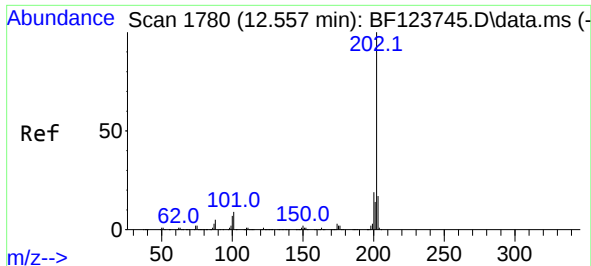
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#72
Anthracene
Concen: 3.30 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.018 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28

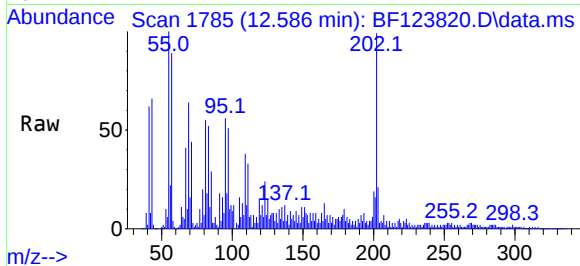
Tgt Ion:178 Resp: 84364
Ion Ratio Lower Upper
178 100
176 30.5 15.4 23.0#
179 58.0 12.6 18.8#





#75
Fluoranthene
Concen: 20.09 ng
RT: 12.586 min Scan# 1785
Delta R.T. 0.029 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28

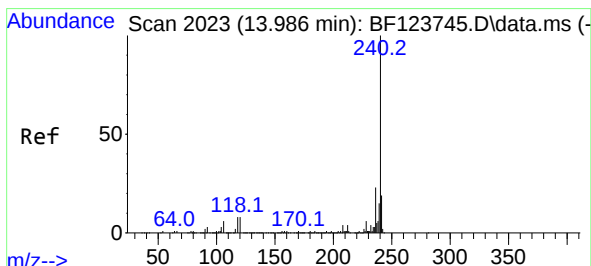
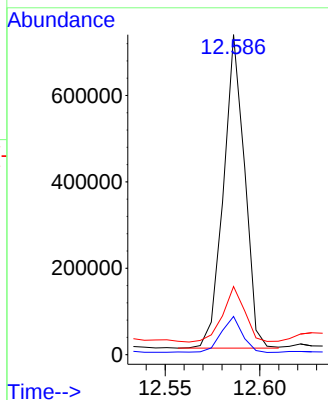
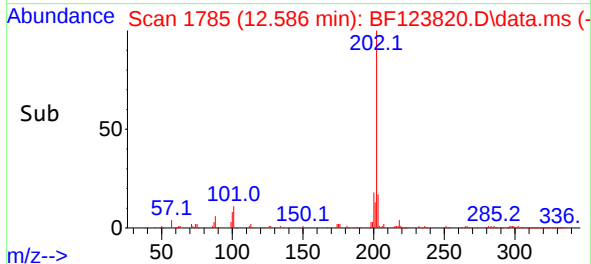
Instrument :
BNA_F
ClientSampled :
TP-2



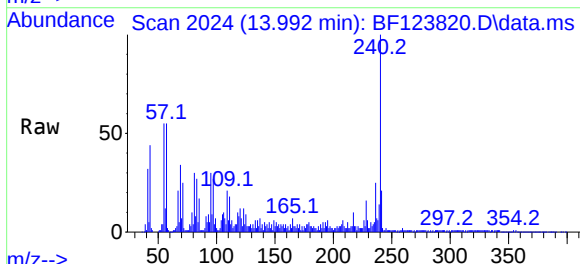
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Ion Ratio Lower Upper
202 100
101 11.9 0.0 30.9
203 21.3 0.0 37.5

Manual Integrations
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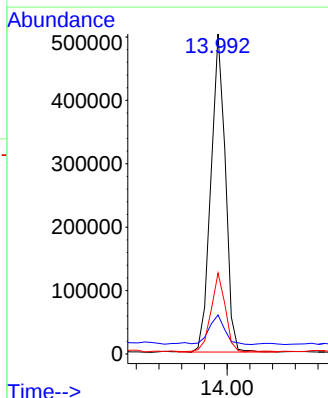
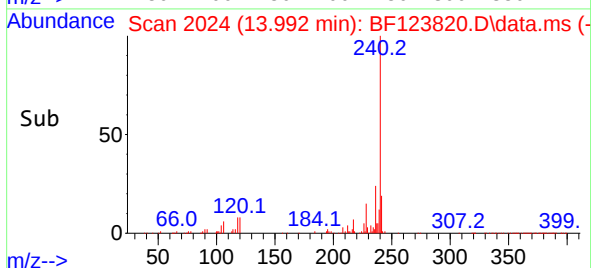
mohammad
5/5/2021 11:25:24 AM

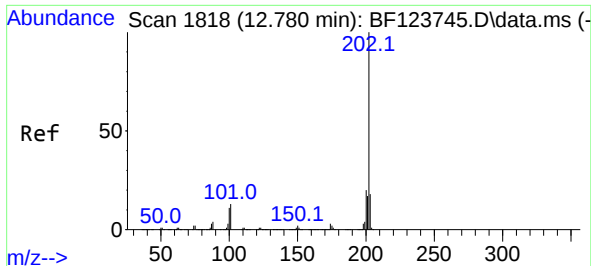


#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28

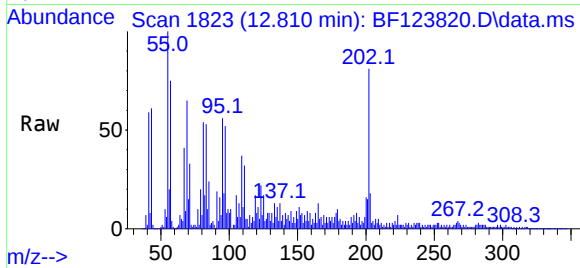


Tgt Ion:240 Resp: 442406
Ion Ratio Lower Upper
240 100
120 12.2 7.2 10.8#
236 25.3 19.0 28.4

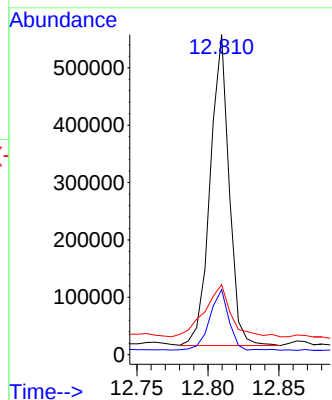
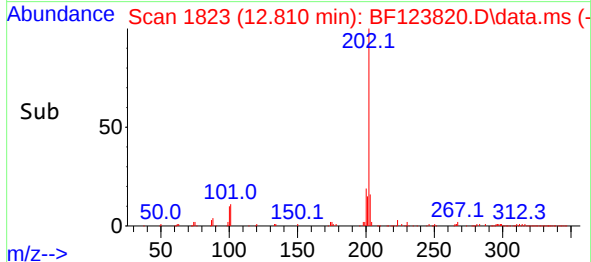




#78
Pyrene
Concen: 14.65 ng
RT: 12.810 min Scan# 1823
Delta R.T. 0.029 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28



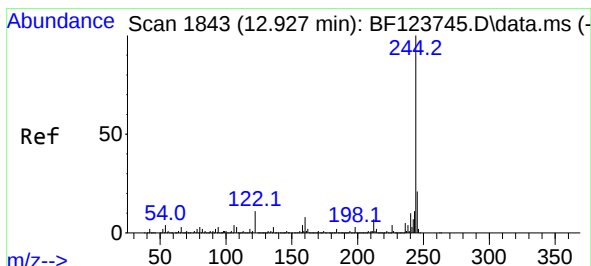
Tgt Ion:202 Resp: 503210
Ion Ratio Lower Upper
202 100
200 20.3 16.1 24.1
203 21.9 14.8 22.2



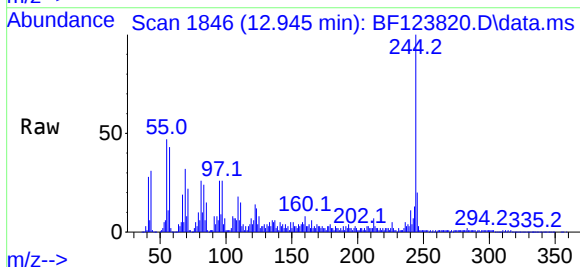
Instrument :
BNA_F
ClientSampled :
TP-2

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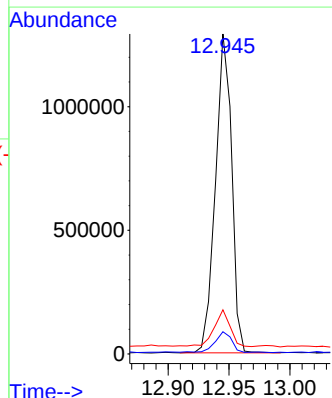
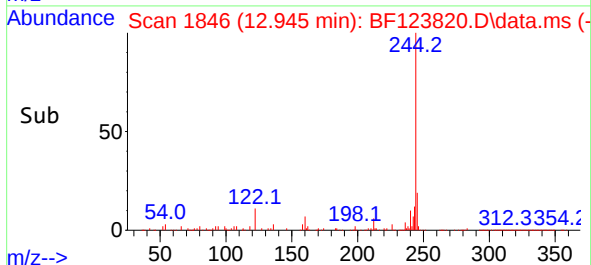
mohammad
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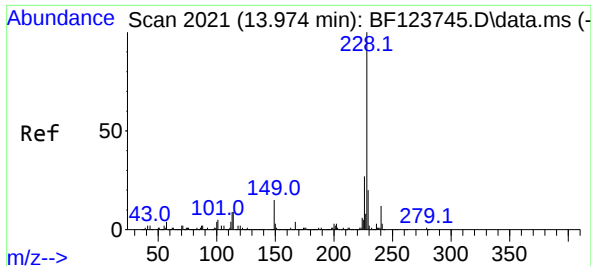


#79
Terphenyl-d14
Concen: 52.18 ng
RT: 12.945 min Scan# 1846
Delta R.T. 0.018 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28



Tgt Ion:244 Resp: 1198755
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 13.8 9.7 14.5





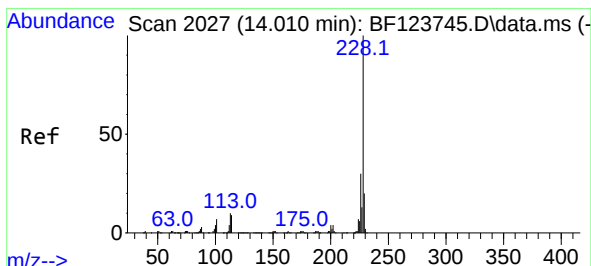
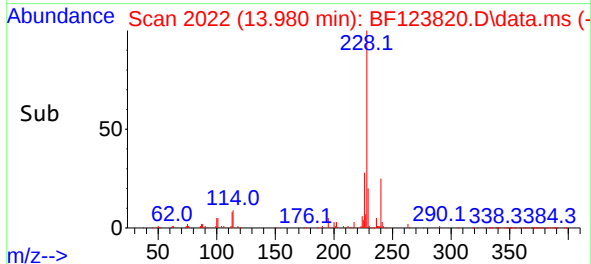
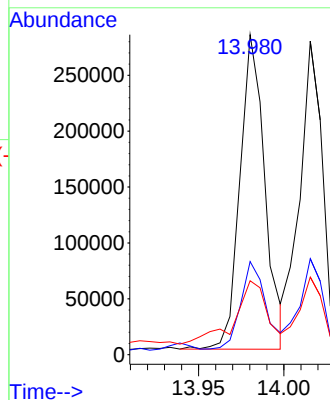
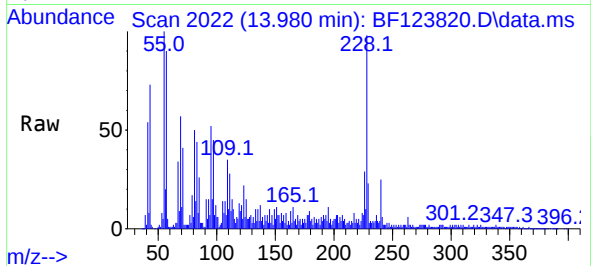
#81
Benzo(a)anthracene
Concen: 10.69 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28

Tgt Ion:228 Resp: 286644
Ion Ratio Lower Upper
228 100
226 29.1 22.4 33.6
229 23.1 16.0 24.0

Instrument :
BNA_F
ClientSampled :
TP-2

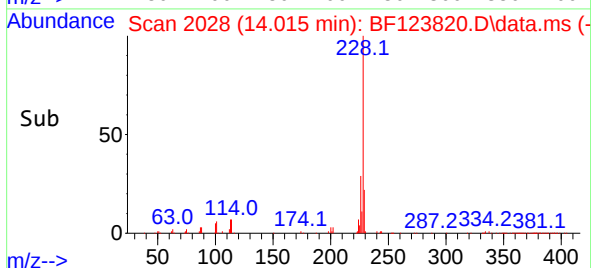
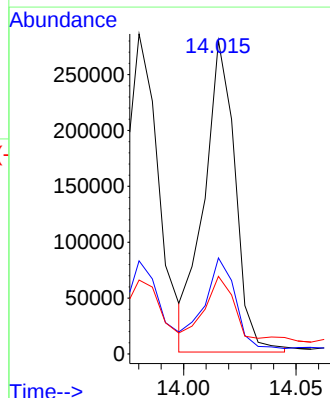
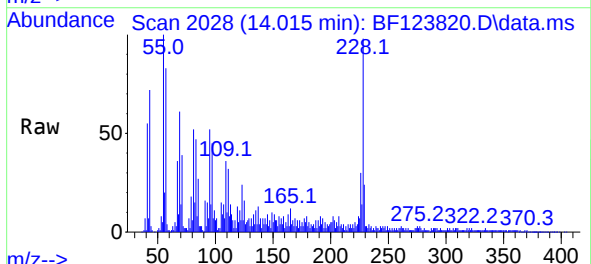
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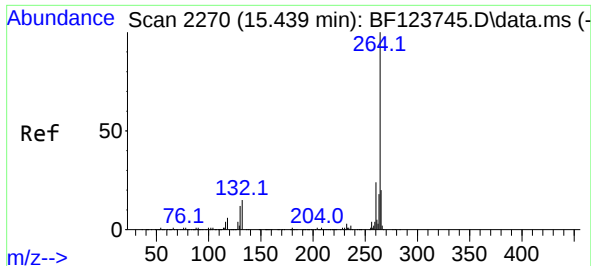
mohammad
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#83
Chrysene
Concen: 9.96 ng m
RT: 14.015 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28

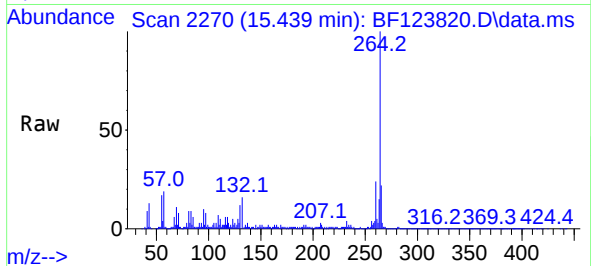
Tgt Ion:228 Resp: 268535
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 24.8 16.2 24.2#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.439 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28

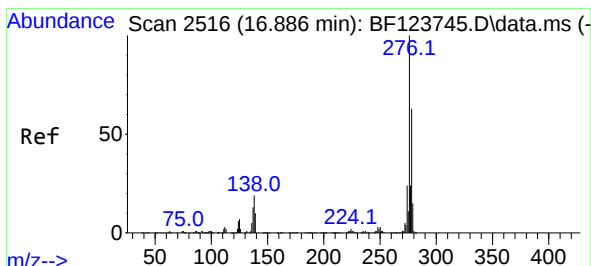
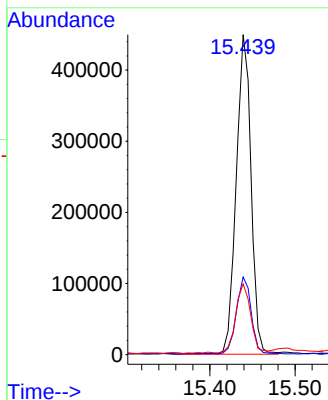
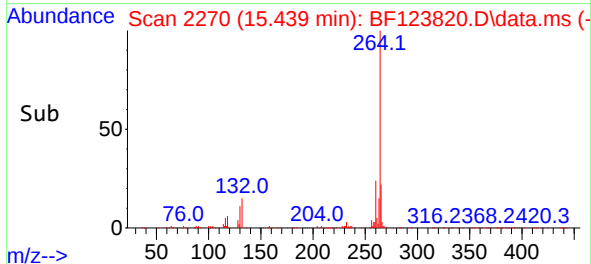
Instrument :
BNA_F
ClientSampled :
TP-2



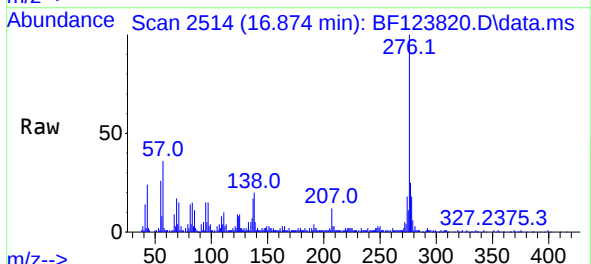
Tgt Ion:264 Resp: 543162
Ion Ratio Lower Upper
264 100
260 24.3 18.7 28.1
265 22.1 17.8 26.8

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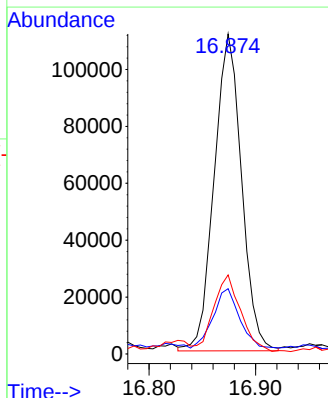
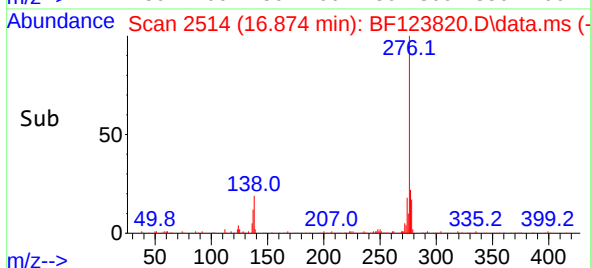
mohammad
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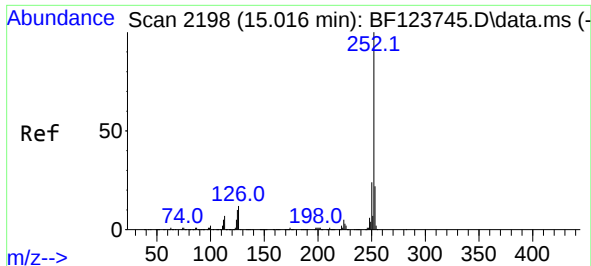


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.28 ng
RT: 16.874 min Scan# 2514
Delta R.T. -0.012 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28



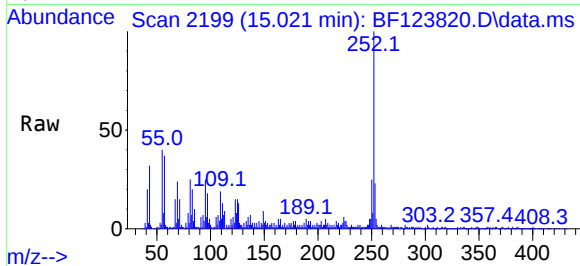
Tgt Ion:276 Resp: 198700
Ion Ratio Lower Upper
276 100
138 19.4 16.2 24.2
277 24.1 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 11.07 ng m
RT: 15.021 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28

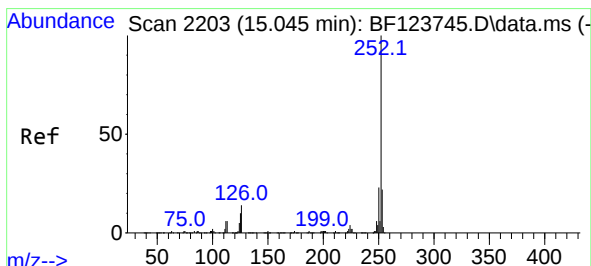
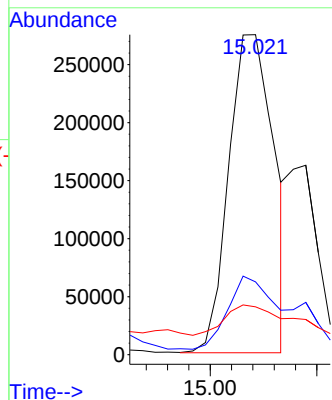
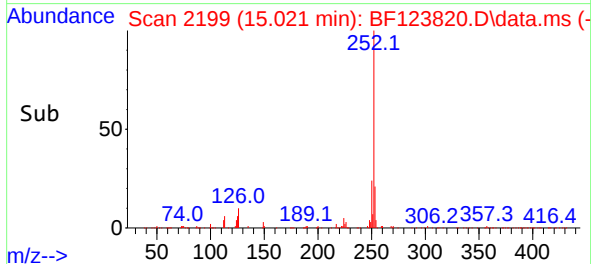
Instrument :
BNA_F
ClientSampled :
TP-2



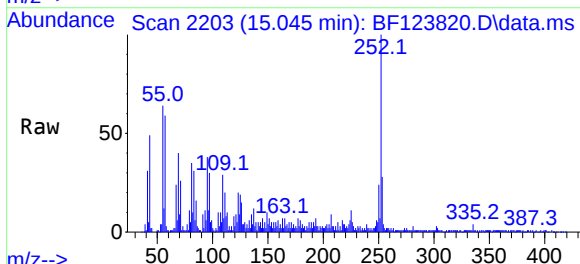
Tgt Ion:252 Resp: 405318
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 15.0 6.2 9.4#

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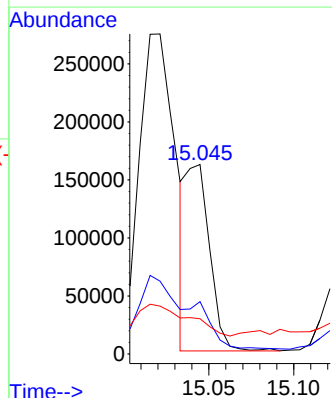
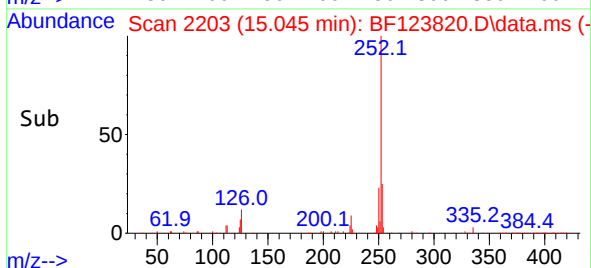
mohammad
5/5/2021 11:25:24 AM

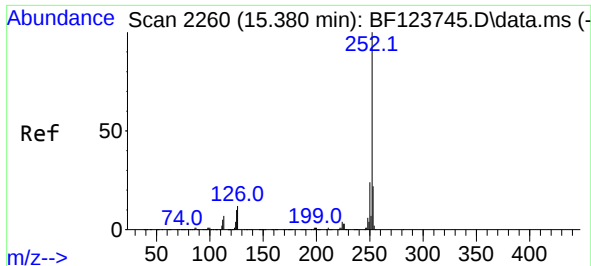


#89
Benzo(k)fluoranthene
Concen: 4.38 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28



Tgt Ion:252 Resp: 152904
Ion Ratio Lower Upper
252 100
253 27.6 17.9 26.9#
125 18.6 7.0 10.6#





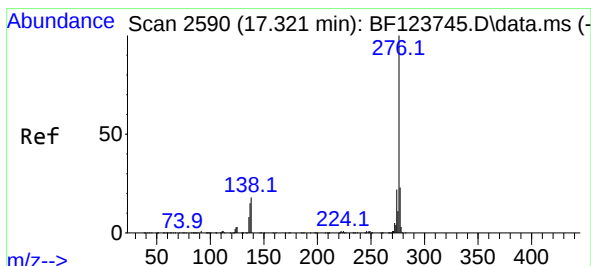
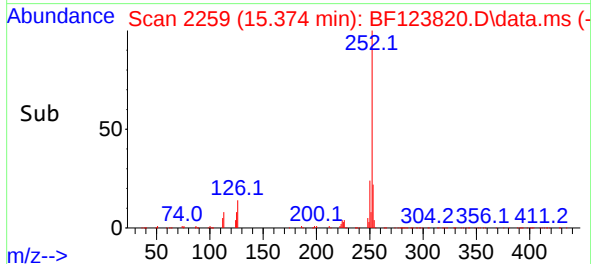
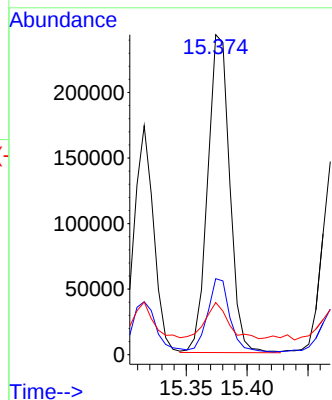
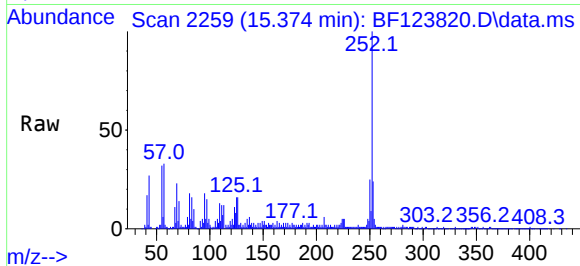
#90
Benzo(a)pyrene
Concen: 9.78 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28

Tgt Ion:252 Resp: 306016
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 16.3 8.0 12.0#

Instrument :
BNA_F
ClientSampled :
TP-2

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#92
Benzo(g,h,i)perylene
Concen: 6.76 ng
RT: 17.309 min Scan# 2588
Delta R.T. -0.012 min
Lab File: BF123820.D
Acq: 4 May 2021 21:28

Tgt Ion:276 Resp: 180891
Ion Ratio Lower Upper
276 100
277 25.7 18.2 27.2
138 21.7 13.8 20.6#

