

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041921\
 Data File : BF123624.D
 Acq On : 19 Apr 2021 16:03
 Operator : JU/CG
 Sample : M2051-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 0124019

Manual Integrations
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mohammad
 4/21/2021 8:34:39 AM

Quant Time: Apr 19 16:28:10 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 16 10:31:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	226617	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	852045	20.00	ng	#-0.01
39) Acenaphthene-d10	9.904	164	425950	20.00	ng	-0.01
64) Phenanthrene-d10	11.398	188	779983	20.00	ng	0.00
76) Chrysene-d12	14.039	240	504484	20.00	ng	-0.02
86) Perylene-d12	15.521	264	485846	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	1497176	106.78	ng	0.01
7) Phenol-d6	6.498	99	1979380	101.88	ng	0.00
23) Nitrobenzene-d5	7.422	82	1411376	76.15	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	538618	111.67	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1957186	68.50	ng	-0.01
79) Terphenyl-d14	12.986	244	1706301	65.74	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.169	128	1273730	29.02	ng	99
37) 2-Methylnaphthalene	8.863	142	171322	5.95	ng	97
38) 1-Methylnaphthalene	8.957	142	96511	3.54	ng	98
50) Dimethylphthalate	9.616	163	67364	2.29	ng	99
52) Acenaphthene	9.939	154	401087	15.23	ng	98
55) Dibenzofuran	10.110	168	317902	8.42	ng	97
58) Fluorene	10.451	166	337096	11.35	ng	98
70) Pentachlorophenol	11.198	266	15758	3.28	ng	91
71) Phenanthrene	11.422	178	1410013	34.64	ng	99
72) Anthracene	11.469	178	254290	6.25	ng	97
73) Carbazole	11.622	167	83178	2.05	ng	98
75) Fluoranthene	12.610	202	983982	21.99	ng	99
78) Pyrene	12.839	202	728835	19.80	ng	99
81) Benzo(a)anthracene	14.027	228	187375	6.06	ng	98
83) Chrysene	14.068	228	167340	5.39	ng	97
87) Indeno(1,2,3-cd)pyrene	16.998	276	70820	2.73	ng	96
88) Benzo(b)fluoranthene	15.086	252	206270m	6.01	ng	
90) Benzo(a)pyrene	15.457	252	122640	4.49	ng	98
92) Benzo(g,h,i)perylene	17.445	276	71806	3.51	ng	97

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

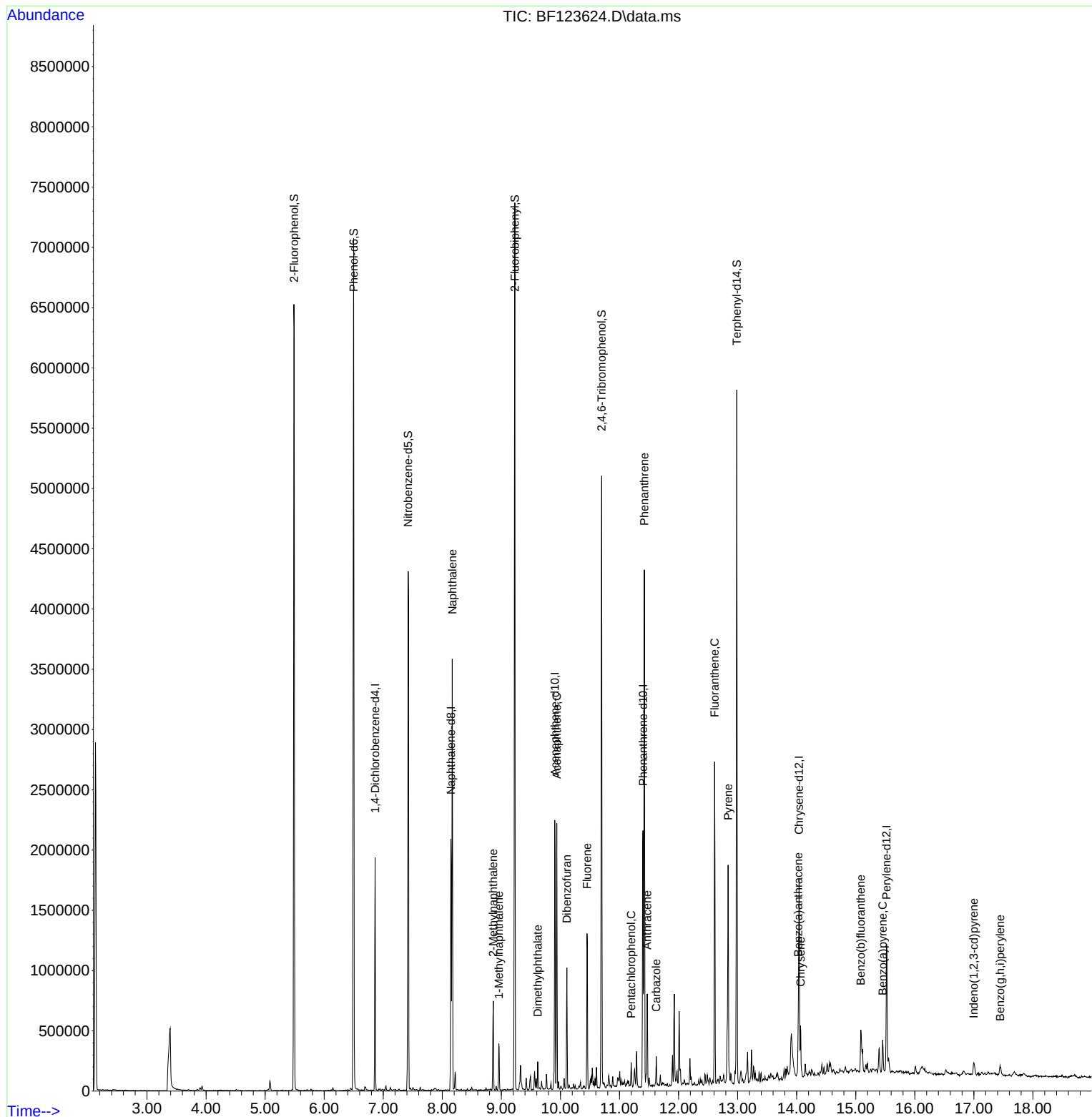
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Data File : BF123624.D
Acq On : 19 Apr 2021 16:03
Operator : JU/CG
Sample : M2051-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

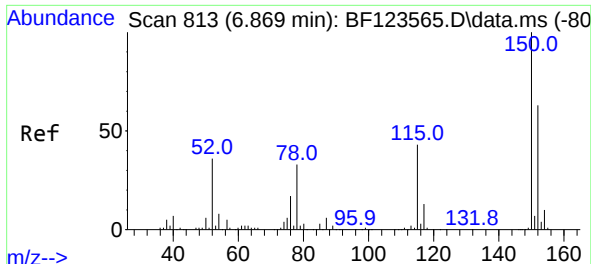
Instrument :
BNA_F
ClientSampleId :
0124019

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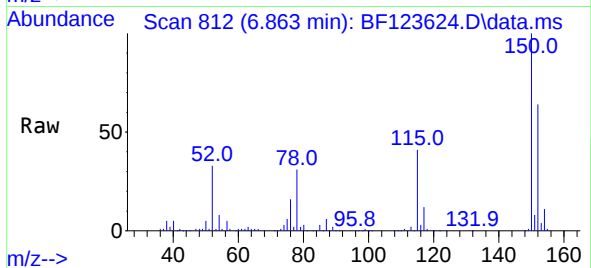
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QLast Update : Fri Apr 16 10:31:33 2021
Response via : Initial Calibration

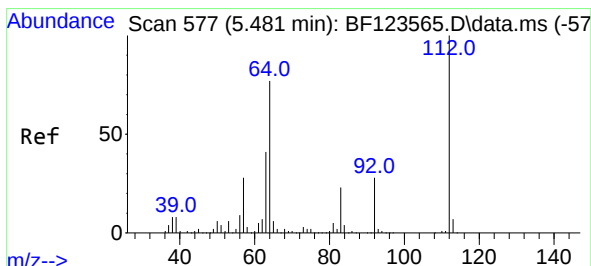
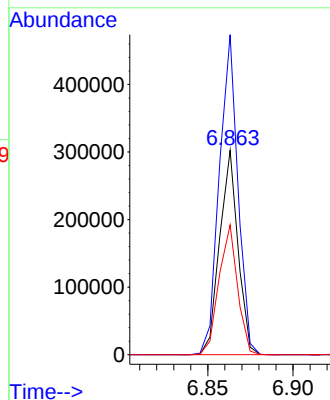
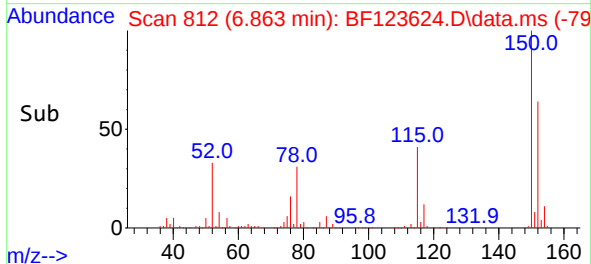




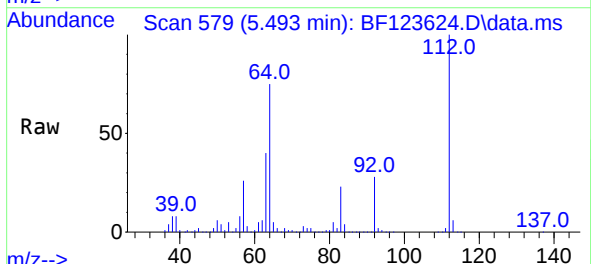
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03



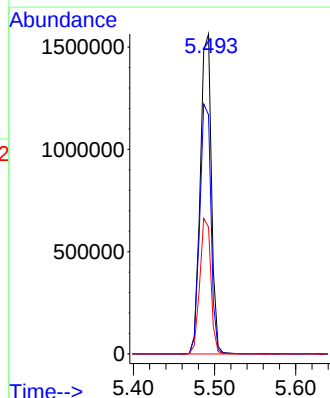
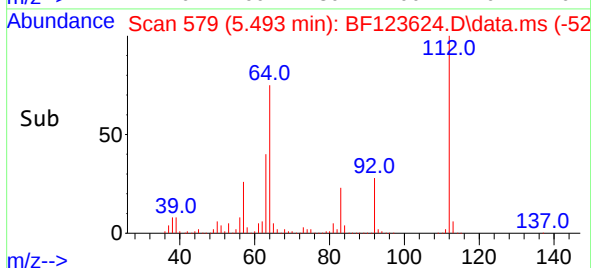
Tgt Ion:152 Resp: 226617
Ion Ratio Lower Upper
152 100
150 156.6 127.0 190.6
115 63.5 54.3 81.5



#5
2-Fluorophenol
Concen: 106.78 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03



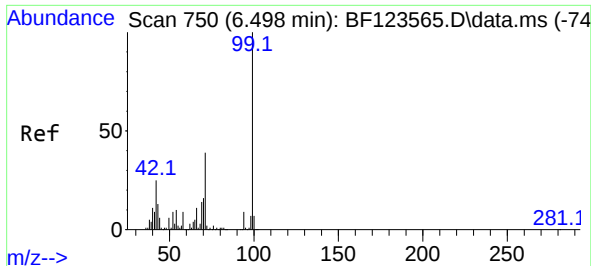
Tgt Ion:112 Resp: 1497176
Ion Ratio Lower Upper
112 100
64 74.8 61.4 92.0
63 39.6 33.0 49.4



Instrument :
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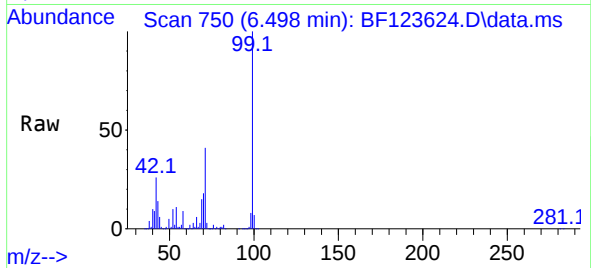
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#7
Phenol-d6
Concen: 101.88 ng
RT: 6.498 min Scan# 750
Delta R.T. 0.000 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03

Instrument :
BNA_F
ClientSampleId :
0124019

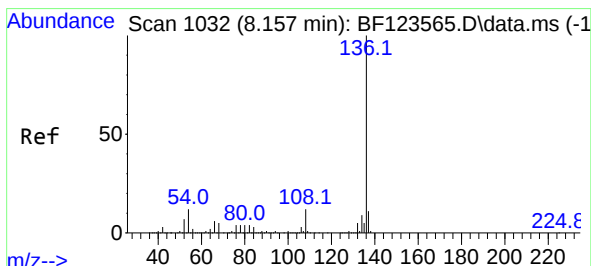
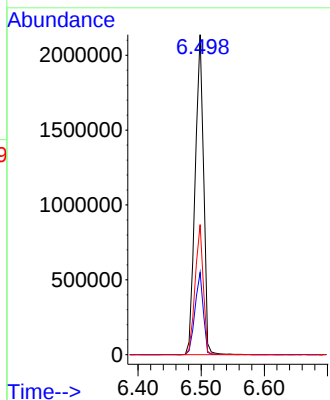
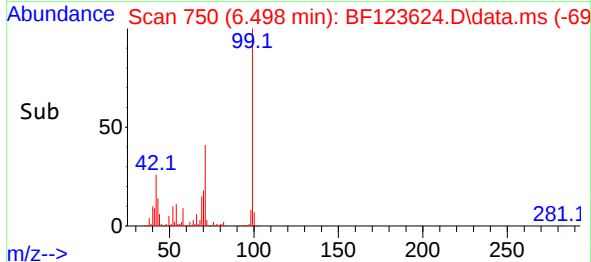


Tgt Ion: 99 Resp: 1979380

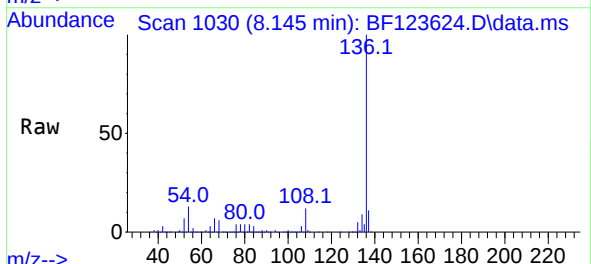
Ion	Ratio	Lower	Upper
99	100		
42	25.7	19.8	29.8
71	40.7	31.1	46.7

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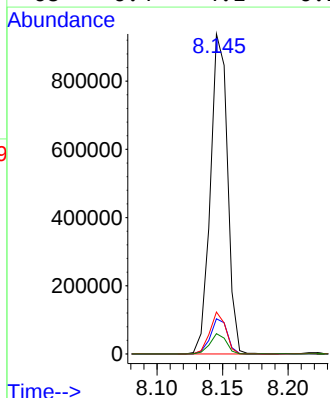
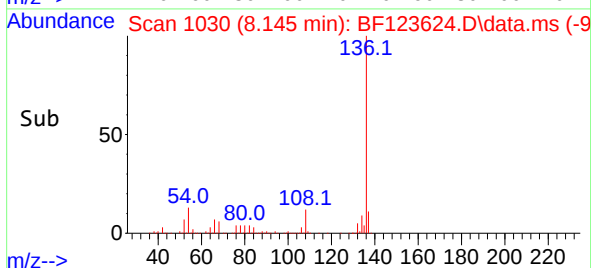


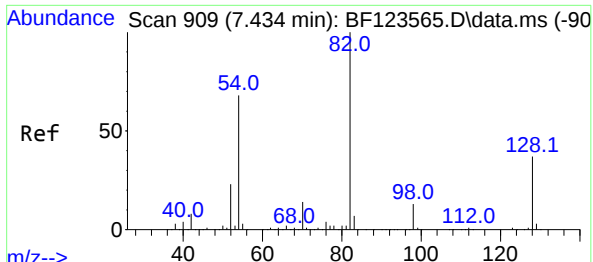
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03



Tgt Ion: 136 Resp: 852045

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	13.1	9.8	14.6
68	6.4	4.1	6.1





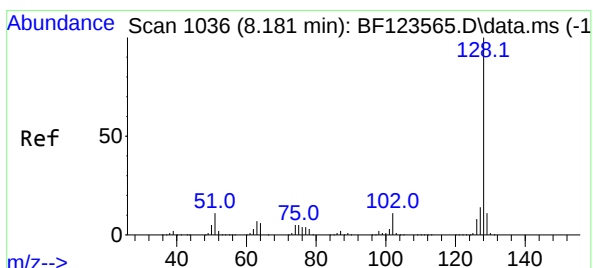
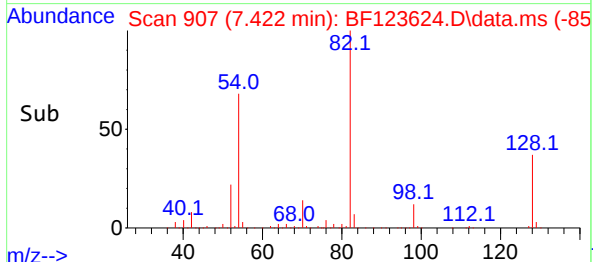
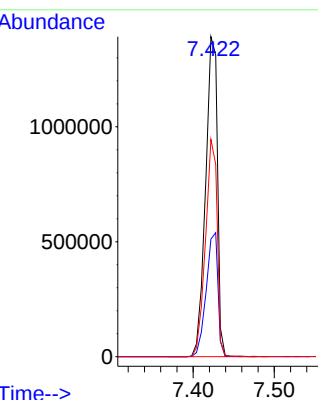
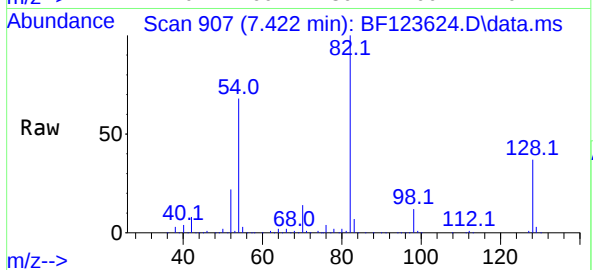
#23
Nitrobenzene-d5
Concen: 76.15 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03

Tgt Ion: 82 Resp: 1411376
Ion Ratio Lower Upper
82 100
128 36.7 29.4 44.2
54 67.9 54.1 81.1

Instrument :
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0124019

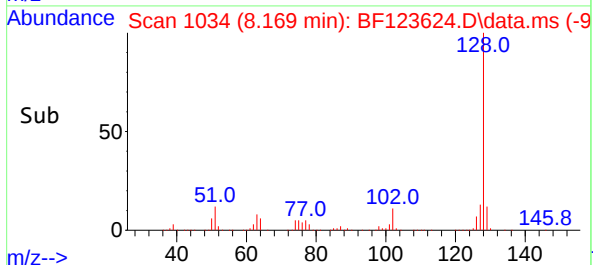
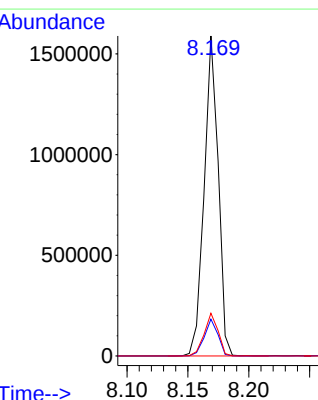
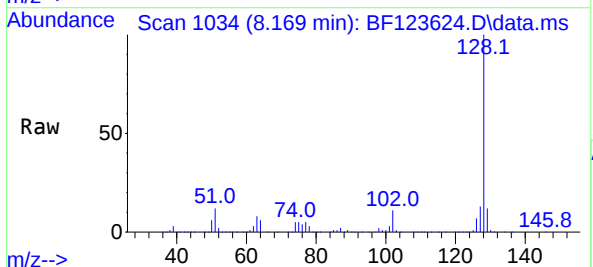
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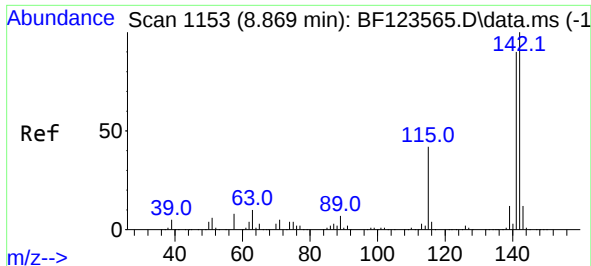
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#31
Naphthalene
Concen: 29.02 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03

Tgt Ion:128 Resp: 1273730
Ion Ratio Lower Upper
128 100
129 11.5 8.9 13.3
127 13.4 10.8 16.2





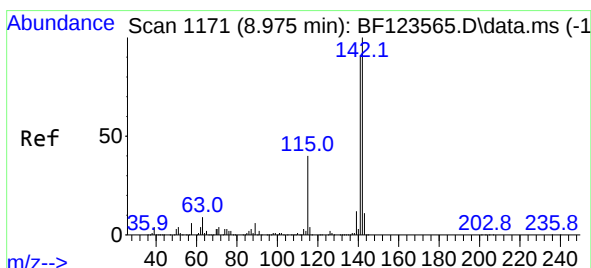
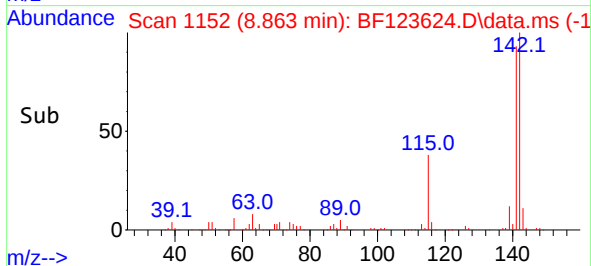
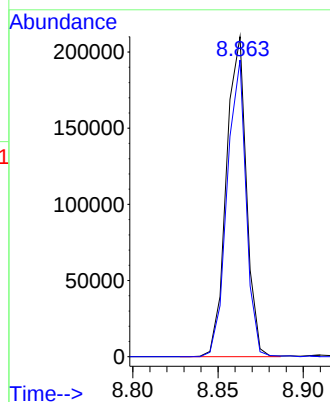
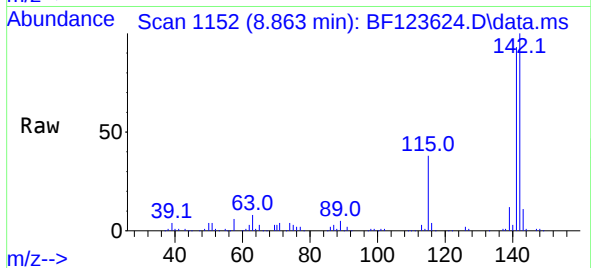
#37
2-Methylnaphthalene
Concen: 5.95 ng
RT: 8.863 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03

Tgt Ion:142 Resp: 171322
Ion Ratio Lower Upper
142 100
141 92.7 71.8 107.6

Instrument :
BNA_F
ClientSampled :
0124019

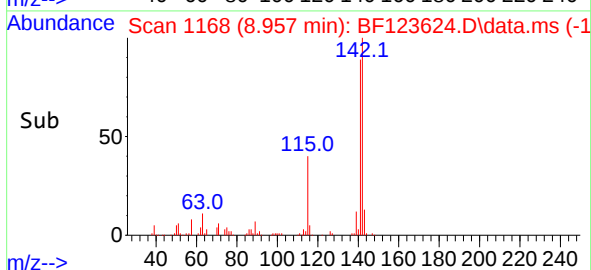
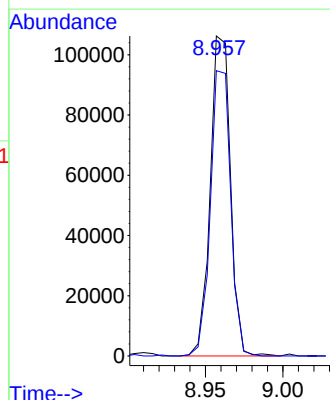
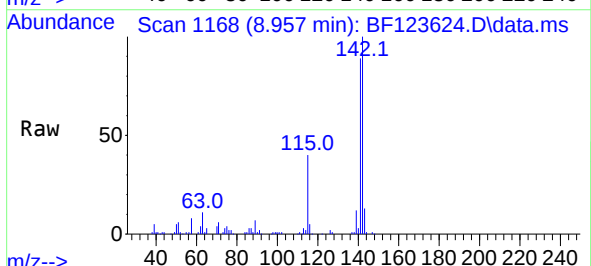
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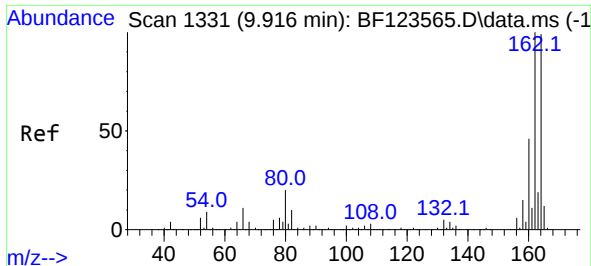
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#38
1-Methylnaphthalene
Concen: 3.54 ng
RT: 8.957 min Scan# 1168
Delta R.T. -0.012 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03

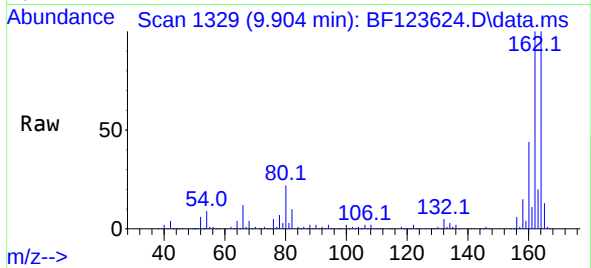
Tgt Ion:142 Resp: 96511
Ion Ratio Lower Upper
142 100
141 89.1 72.8 109.2





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03

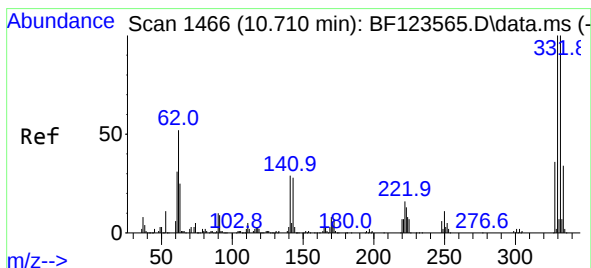
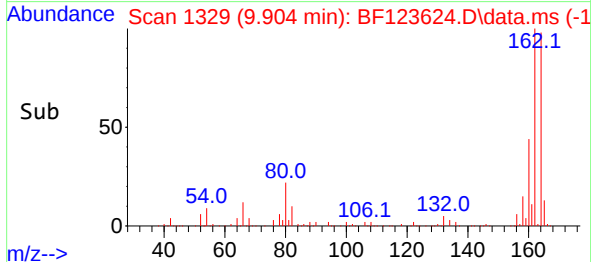
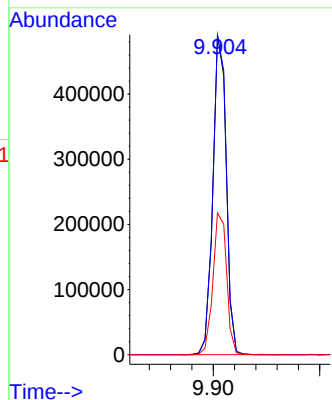
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BNA_F
ClientSampled :
0124019



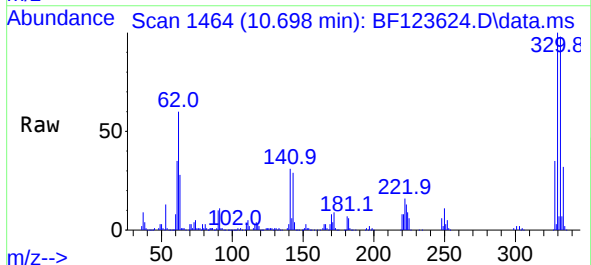
Tgt Ion:164 Resp: 425950
Ion Ratio Lower Upper
164 100
162 99.9 80.7 121.1
160 44.3 37.3 55.9

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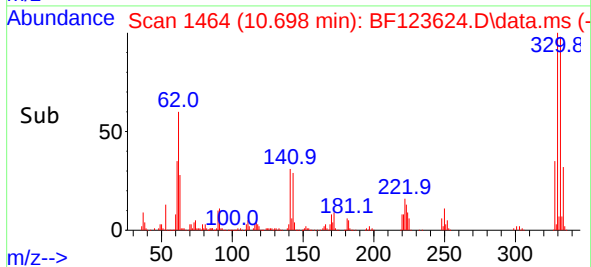
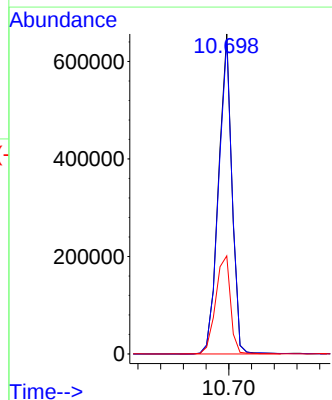
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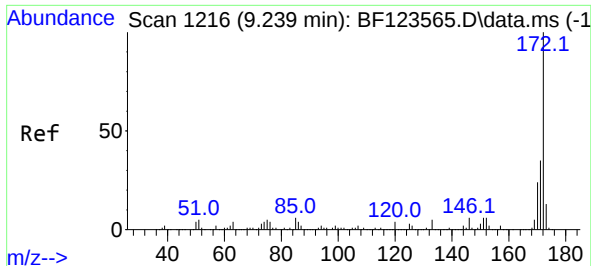


#42
2,4,6-Tribromophenol
Concen: 111.67 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03



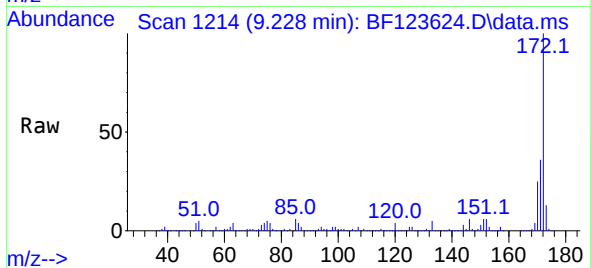
Tgt Ion:330 Resp: 538618
Ion Ratio Lower Upper
330 100
332 99.1 77.1 115.7
141 34.1 27.9 41.9





#45
2-Fluorobiphenyl
Concen: 68.50 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.012 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03

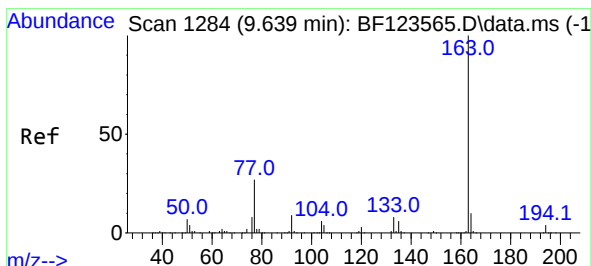
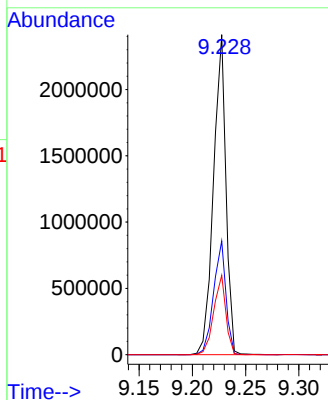
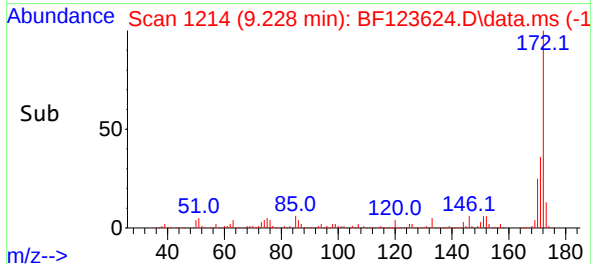
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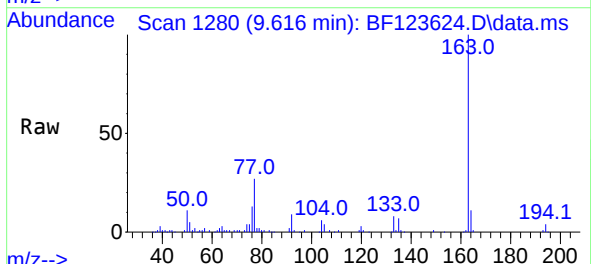
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Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 24.8 19.2 28.8

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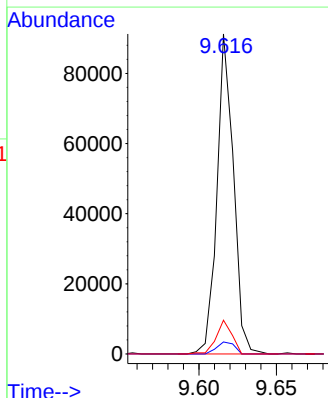
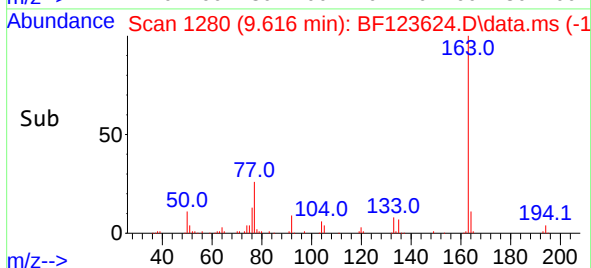
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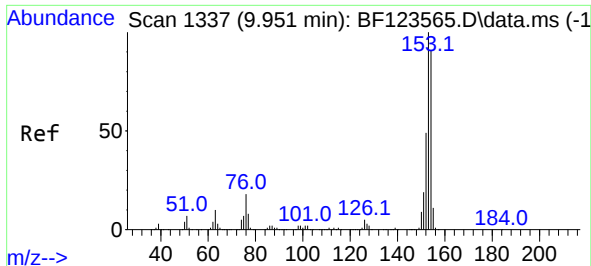


#50
Dimethylphthalate
Concen: 2.29 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.023 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03

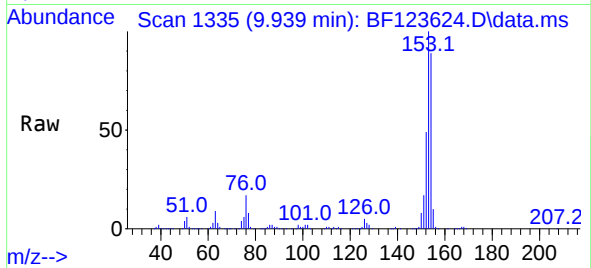


Tgt Ion:163 Resp: 67364
Ion Ratio Lower Upper
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194 3.7 3.1 4.7
164 10.6 8.2 12.2

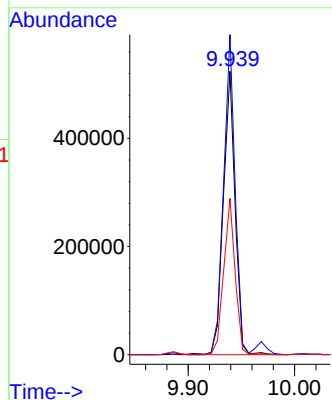




#52
Acenaphthene
Concen: 15.23 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03



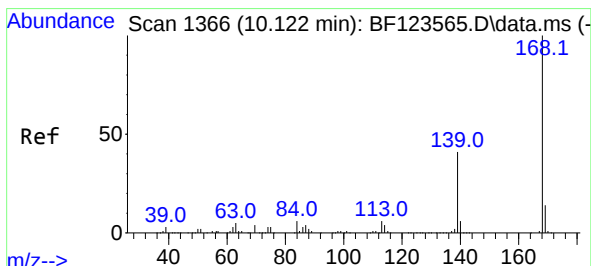
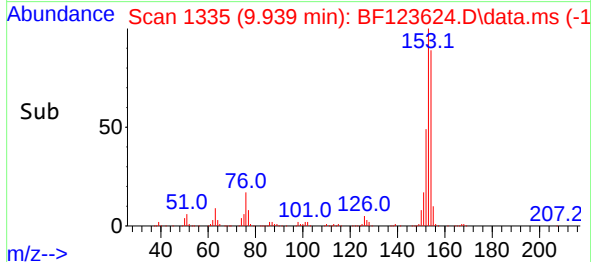
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Ion Ratio Lower Upper
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152 55.2 43.4 65.0



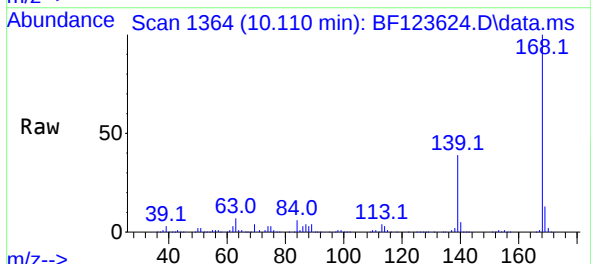
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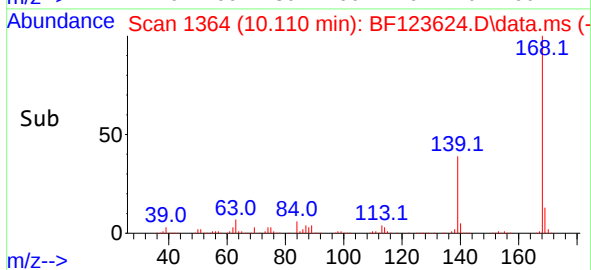
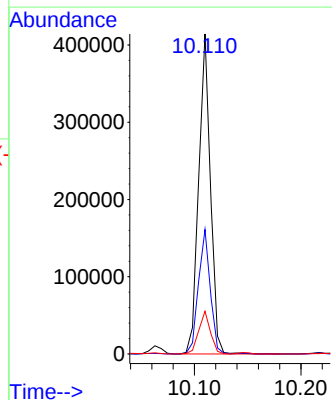
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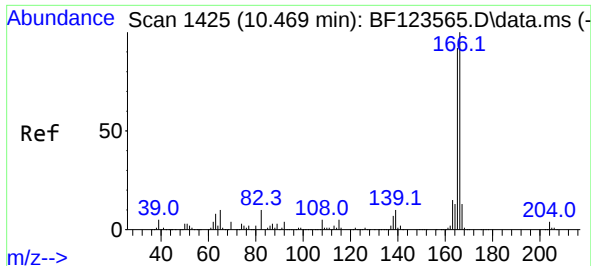


#55
Dibenzofuran
Concen: 8.42 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.012 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03



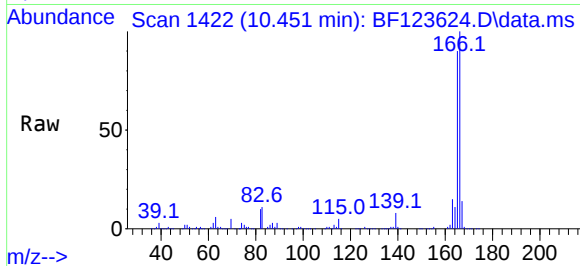
Tgt Ion:168 Resp: 317902
Ion Ratio Lower Upper
168 100
139 38.9 33.2 49.8
169 13.3 10.8 16.2





#58
Fluorene
Concen: 11.35 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.018 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03

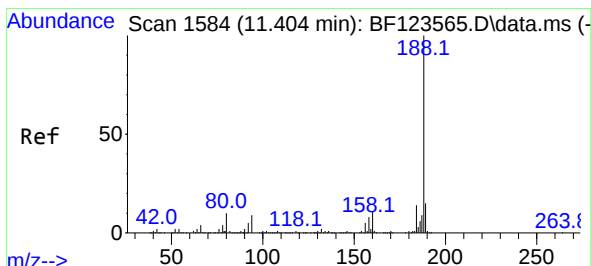
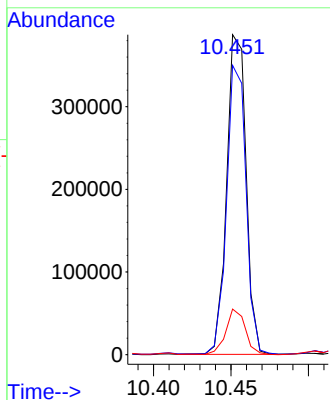
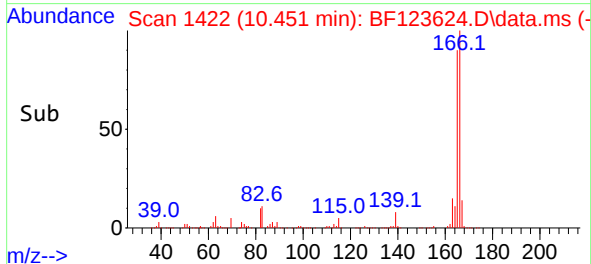
Instrument :
BNA_F
ClientSampled :
0124019



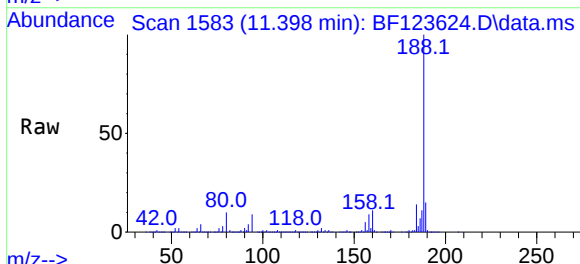
Tgt Ion:166 Resp: 337096
Ion Ratio Lower Upper
166 100
165 90.4 73.5 110.3
167 14.2 10.7 16.1

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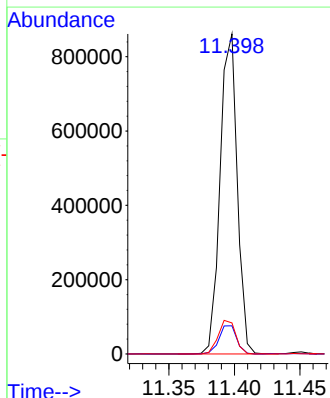
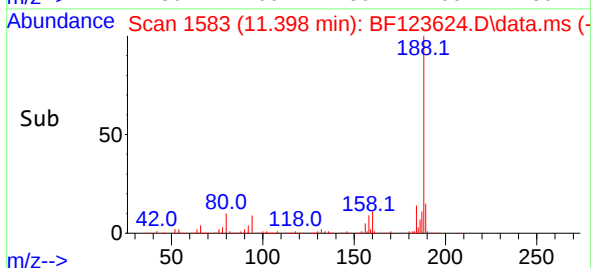
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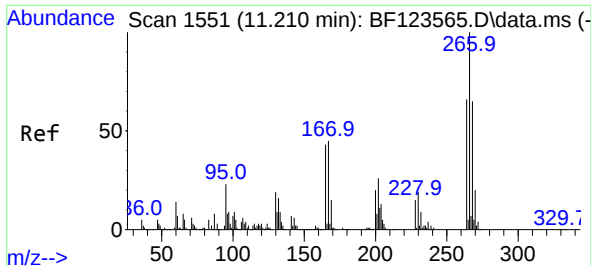


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03



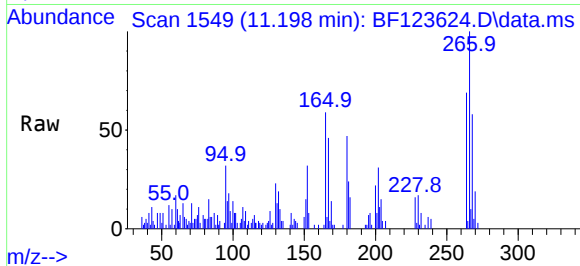
Tgt Ion:188 Resp: 779983
Ion Ratio Lower Upper
188 100
94 8.8 6.9 10.3
80 9.7 8.2 12.2





#70
Pentachlorophenol
Concen: 3.28 ng
RT: 11.198 min Scan# 1549
Delta R.T. -0.012 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03

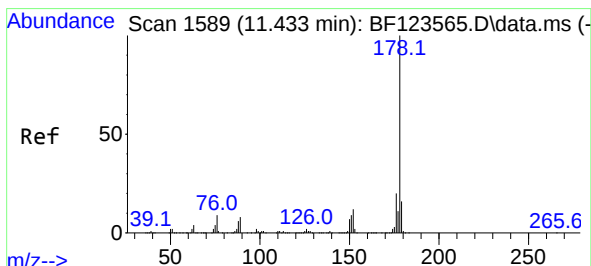
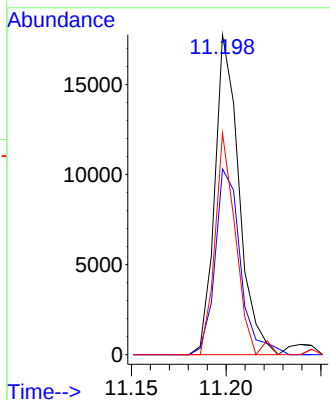
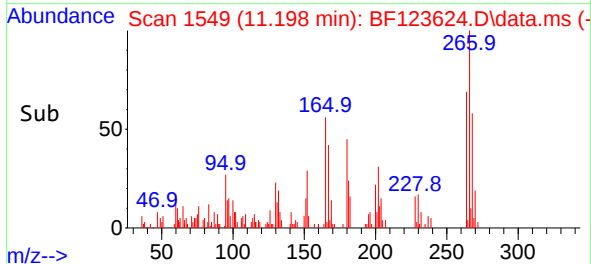
Instrument :
BNA_F
ClientSampleId :
0124019



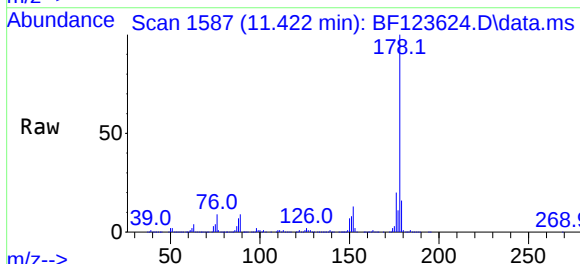
Tgt Ion:266 Resp: 15758
Ion Ratio Lower Upper
266 100
268 58.1 51.6 77.4
264 73.0 52.6 78.8

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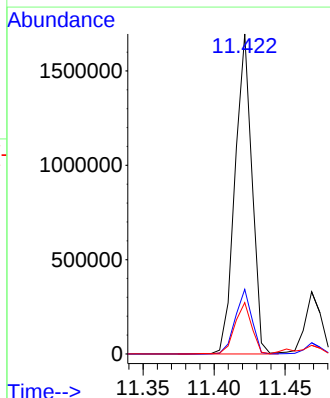
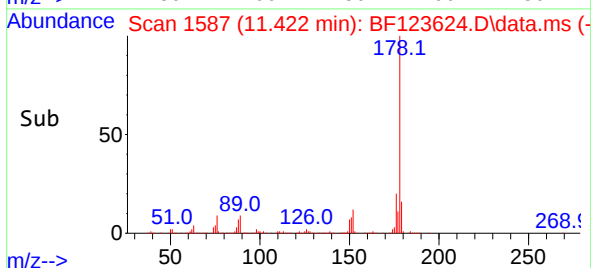
mohammad
4/21/2021 8:34:39 AM

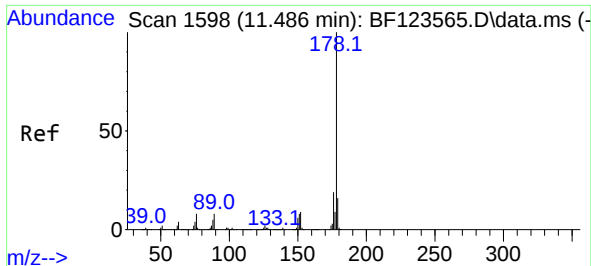


#71
Phenanthrene
Concen: 34.64 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.012 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03

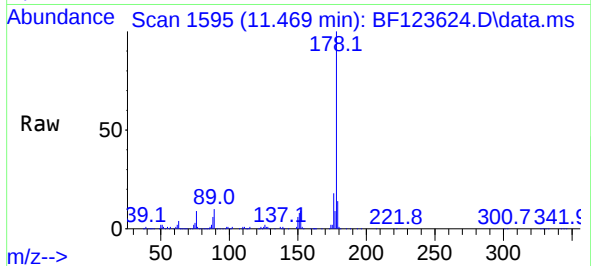


Tgt Ion:178 Resp: 1410013
Ion Ratio Lower Upper
178 100
176 20.2 15.6 23.4
179 16.1 12.5 18.7

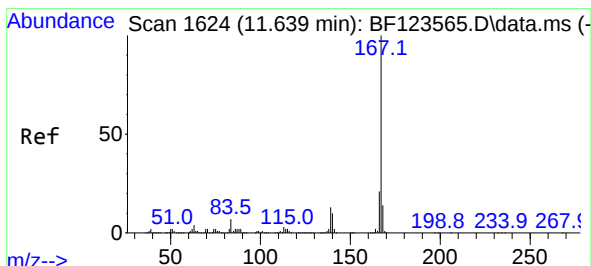
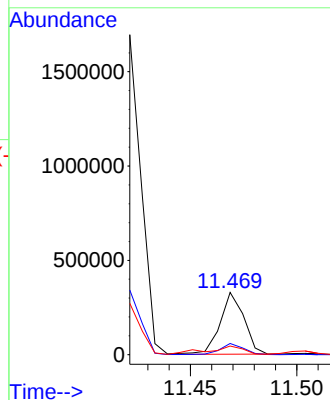
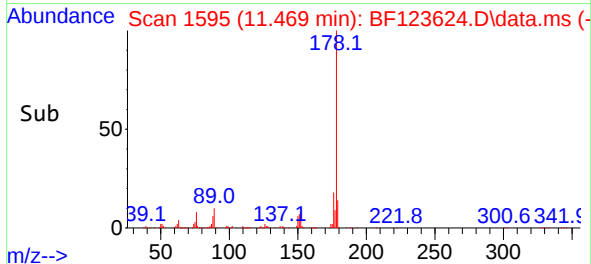




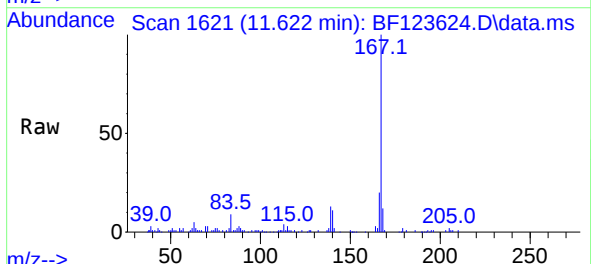
#72
 Anthracene
 Concen: 6.25 ng
 RT: 11.469 min Scan# 1595
 Delta R.T. -0.018 min
 Lab File: BF123624.D
 Acq: 19 Apr 2021 16:03



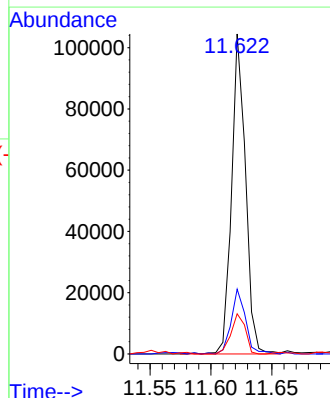
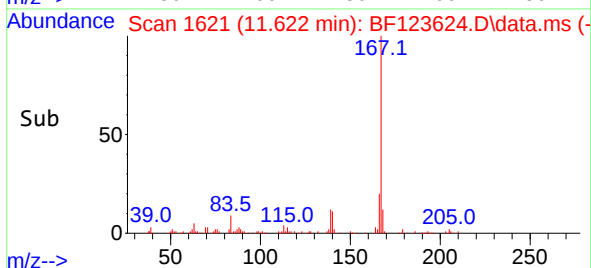
Tgt Ion:178 Resp: 254290
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.0
 179 13.8 12.6 18.8



#73
 Carbazole
 Concen: 2.05 ng
 RT: 11.622 min Scan# 1621
 Delta R.T. -0.018 min
 Lab File: BF123624.D
 Acq: 19 Apr 2021 16:03



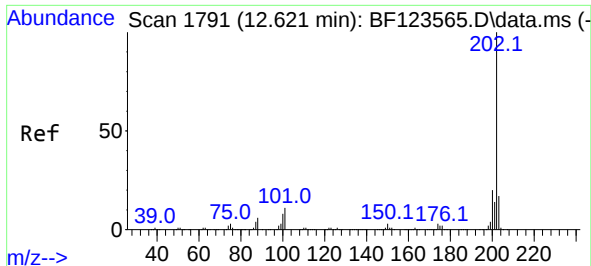
Tgt Ion:167 Resp: 83178
 Ion Ratio Lower Upper
 167 100
 166 20.3 17.0 25.6
 139 12.5 10.4 15.6



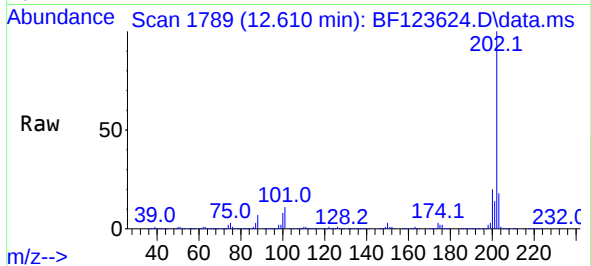
Instrument :
 BNA_F
 ClientSampleId :
 0124019

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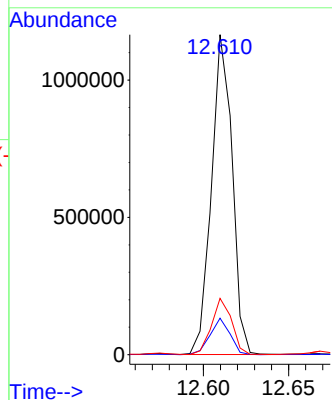
mohammad
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#75
Fluoranthene
Concen: 21.99 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.018 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03



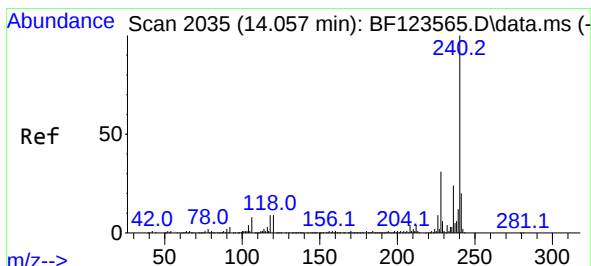
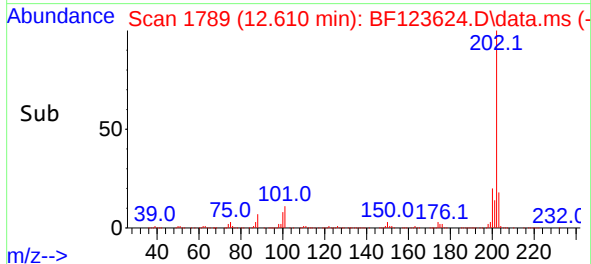
Tgt Ion:202 Resp: 983982
Ion Ratio Lower Upper
202 100
101 11.4 0.0 30.9
203 17.6 0.0 37.5



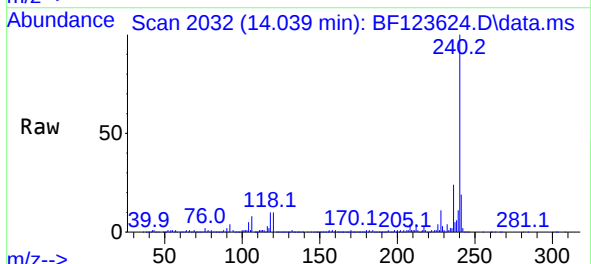
Instrument :
BNA_F
ClientSampleId :
0124019

Manual Integrations
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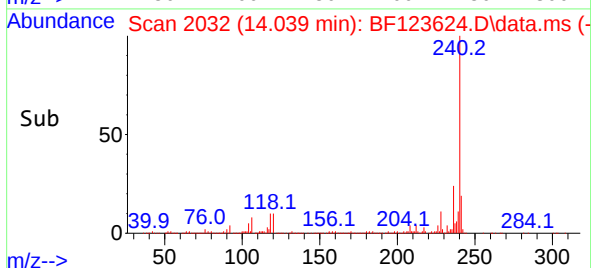
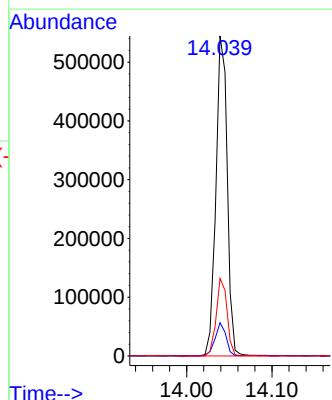
mohammad
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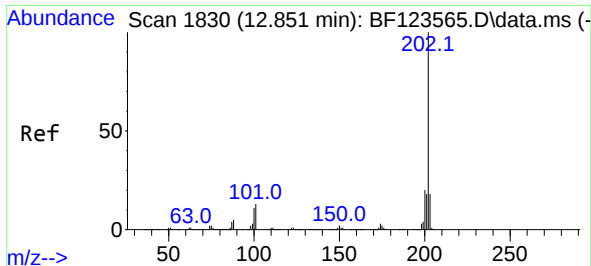


#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.018 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03



Tgt Ion:240 Resp: 504484
Ion Ratio Lower Upper
240 100
120 10.4 7.2 10.8
236 24.2 19.0 28.4





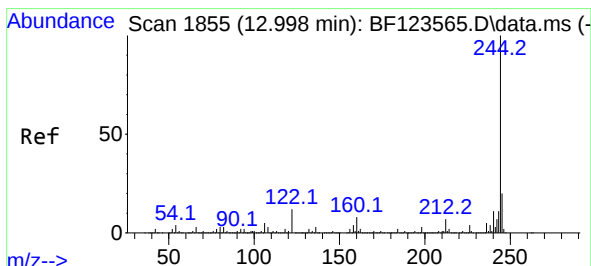
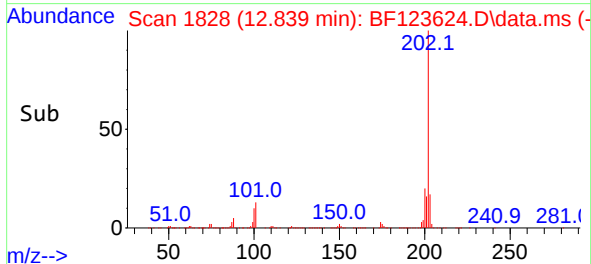
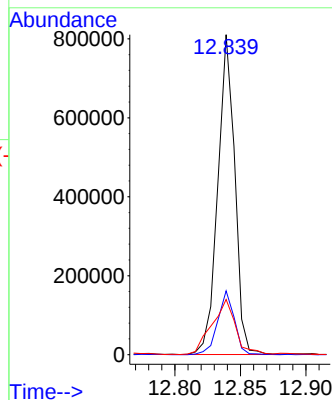
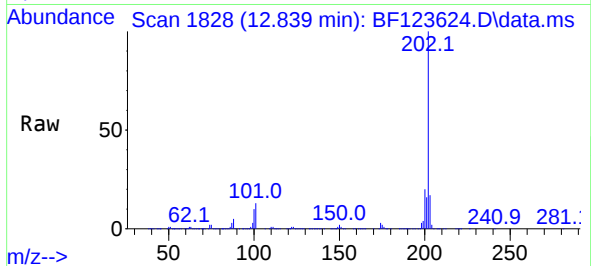
#78
Pyrene
Concen: 19.80 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.018 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03

Tgt Ion:	202	Resp:	728835
Ion Ratio	Lower	Upper	
202	100		
200	20.0	16.1	24.1
203	17.3	14.8	22.2

Instrument :
BNA_F
ClientSampleId :
0124019

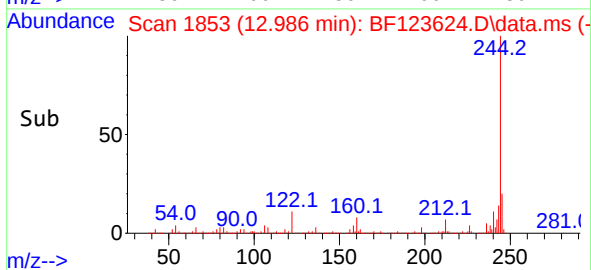
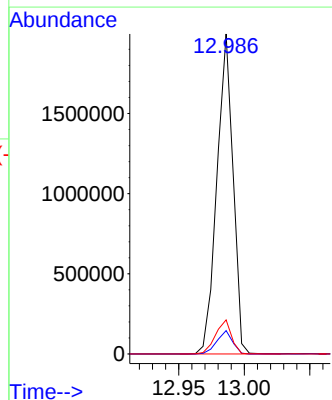
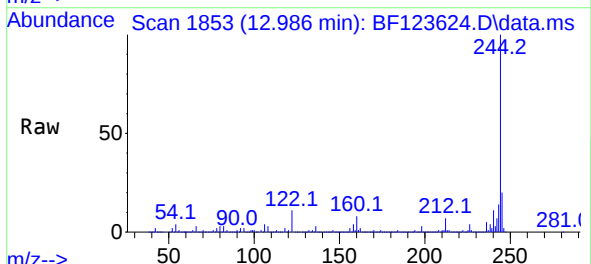
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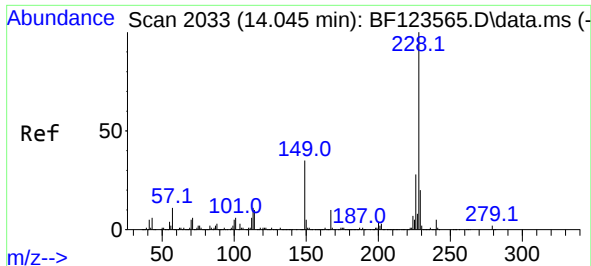
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#79
Terphenyl-d14
Concen: 65.74 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.012 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03

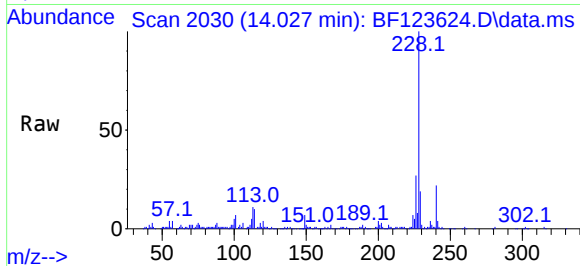
Tgt Ion:	244	Resp:	1706301
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.7	8.5
122	10.7	9.7	14.5





#81
Benzo(a)anthracene
Concen: 6.06 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.018 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03

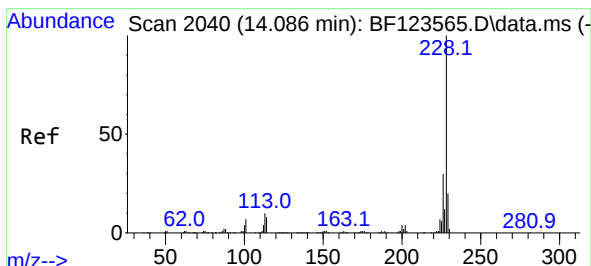
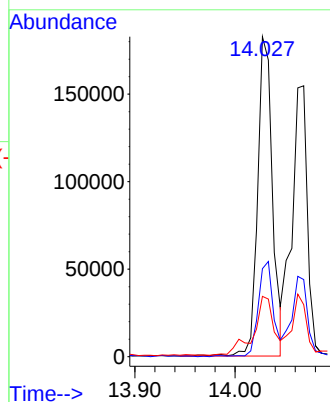
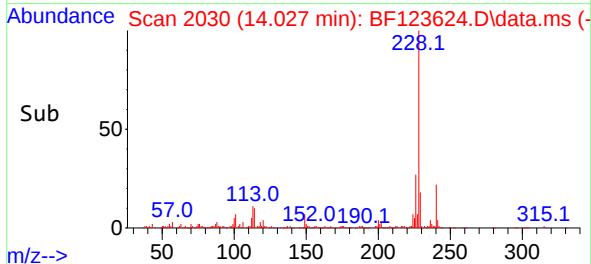
Instrument :
BNA_F
ClientSampled :
0124019



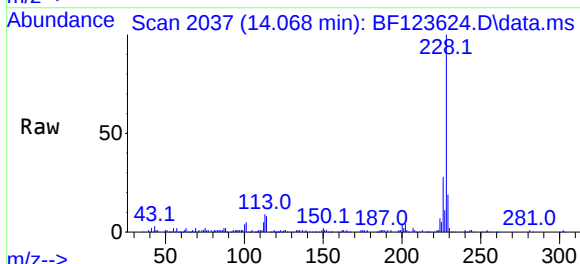
Tgt Ion:228 Resp: 187375
Ion Ratio Lower Upper
228 100
226 27.5 22.4 33.6
229 18.9 16.0 24.0

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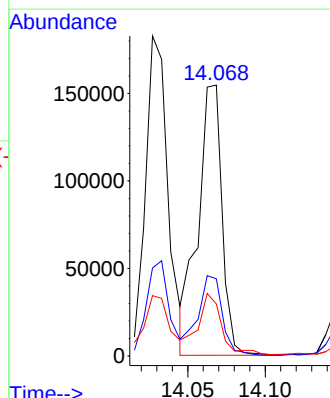
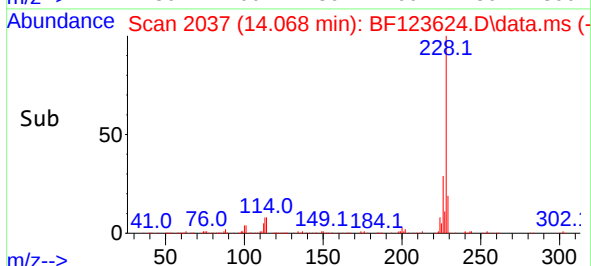
mohammad
4/21/2021 8:34:39 AM

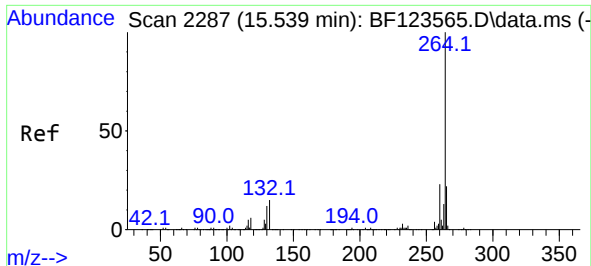


#83
Chrysene
Concen: 5.39 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.018 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03



Tgt Ion:228 Resp: 167340
Ion Ratio Lower Upper
228 100
226 28.5 24.3 36.5
229 19.2 16.2 24.2





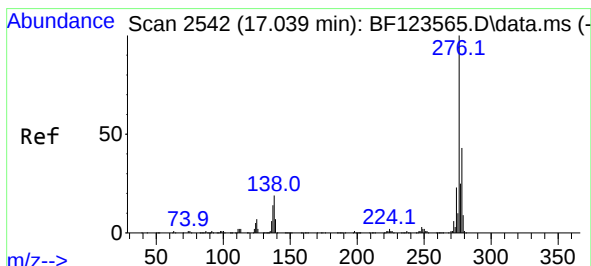
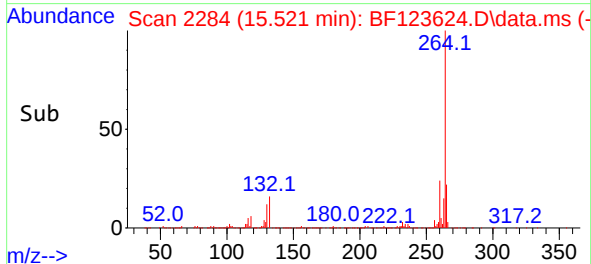
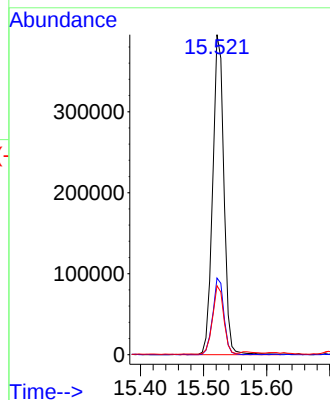
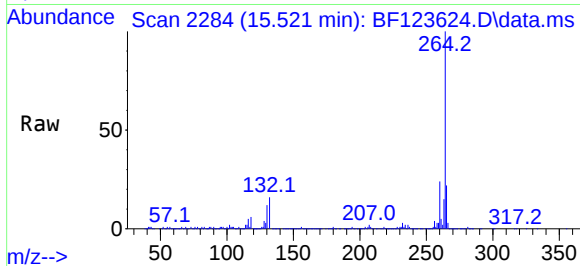
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.521 min Scan# 2284
Delta R.T. -0.018 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03

Tgt Ion: 264 Resp: 485846
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 21.5 17.8 26.8

Instrument :
BNA_F
ClientSampleId :
0124019

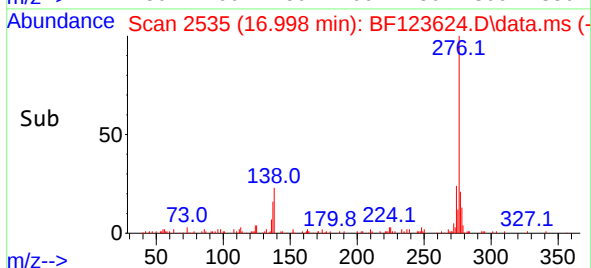
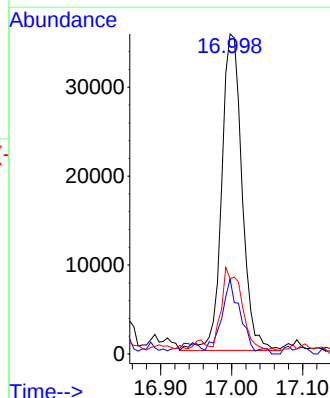
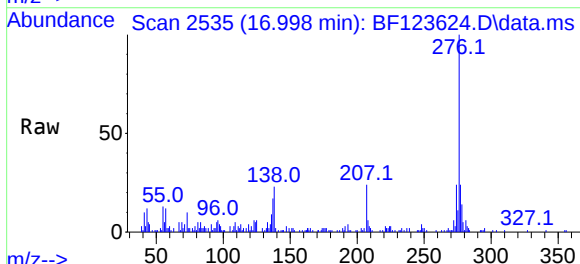
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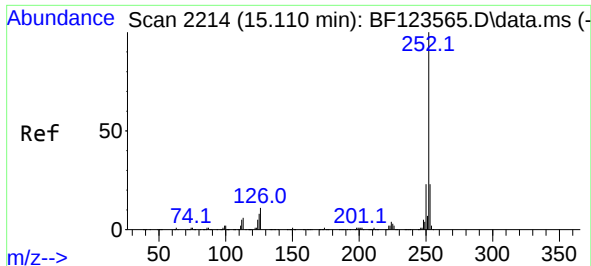
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 2.73 ng
RT: 16.998 min Scan# 2535
Delta R.T. -0.041 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03

Tgt Ion: 276 Resp: 70820
Ion Ratio Lower Upper
276 100
138 19.2 16.2 24.2
277 27.6 20.1 30.1





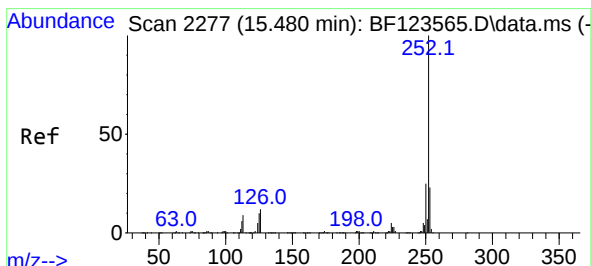
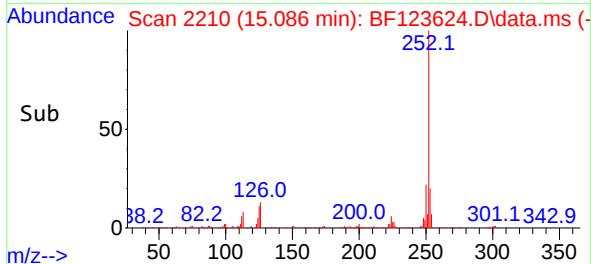
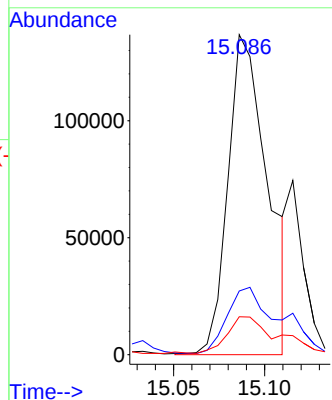
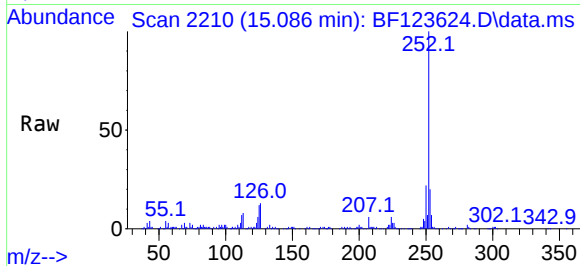
#88
Benzo(b)fluoranthene
Concen: 6.01 ng m
RT: 15.086 min Scan# 2210
Delta R.T. -0.023 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03

Tgt Ion:252 Resp: 206270
Ion Ratio Lower Upper
252 100
253 19.9 18.1 27.1
125 11.8 6.2 9.4#

Instrument :
BNA_F
ClientSampleId :
0124019

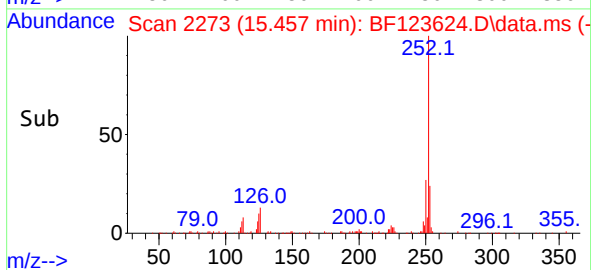
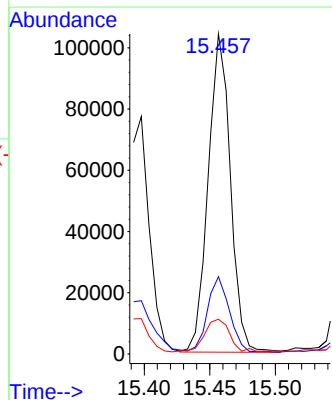
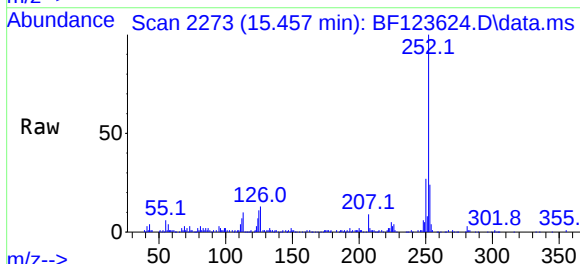
Manual Integrations
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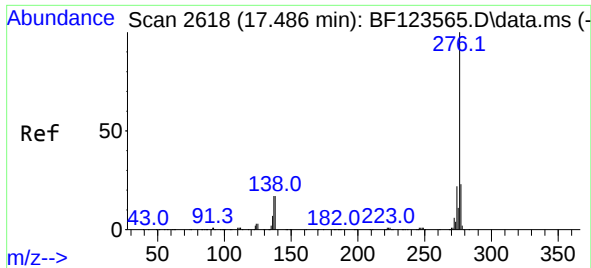
mohammad
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#90
Benzo(a)pyrene
Concen: 4.49 ng
RT: 15.457 min Scan# 2273
Delta R.T. -0.023 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03

Tgt Ion:252 Resp: 122640
Ion Ratio Lower Upper
252 100
253 24.2 18.4 27.6
125 10.9 8.0 12.0





#92
Benzo(g,h,i)perylene
Concen: 3.51 ng
RT: 17.445 min Scan# 2611
Delta R.T. -0.041 min
Lab File: BF123624.D
Acq: 19 Apr 2021 16:03

Tgt Ion:	276	Resp:	71806
Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.2	27.2
138	20.1	13.8	20.6

Instrument :
BNA_F
ClientSampleId :
0124019

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