

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030321\
 Data File : BF123366.D
 Acq On : 3 Mar 2021 20:53
 Operator : JU/CG
 Sample : M1542-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 4

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-030221

Manual Integrations
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 3/4/2021 11:32:40 AM

Quant Time: Mar 03 23:55:03 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 03 13:18:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	453333	80.00	ng	0.02
21) Naphthalene-d8	8.139	136	1755002	80.00	ng	# 0.01
39) Acenaphthene-d10	9.904	164	720846	80.00	ng	0.02
64) Phenanthrene-d10	11.398	188	1483687	80.00	ng	0.02
76) Chrysene-d12	14.068	240	1359201	80.00	ng	0.04
86) Perylene-d12	15.574	264	1232269	80.00	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	1352974	171.84	ng	0.09
7) Phenol-d6	6.528	99	1817438	169.91	ng	0.04
23) Nitrobenzene-d5	7.422	82	1254247	130.86	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	375877	204.84	ng	0.02
45) 2-Fluorobiphenyl	9.216	172	1762949	140.52	ng	0.00
79) Terphenyl-d14	13.010	244	1716063	97.11	ng	0.04
Target Compounds						Qvalue
10) Phenol	6.534	94	64402	5.52	ng	# 47
31) Naphthalene	8.163	128	144559	6.01	ng	# 89
37) 2-Methylnaphthalene	8.851	142	121484	7.58	ng	96
38) 1-Methylnaphthalene	8.951	142	75945	5.07	ng	89
46) 1,1'-Biphenyl	9.316	154	46301	3.10	ng	96
49) Acenaphthylene	9.757	152	56124	3.14	ng	# 87
50) Dimethylphthalate	9.610	163	50838	3.77	ng	# 89
52) Acenaphthene	9.933	154	27526	2.23	ng	# 77
55) Dibenzofuran	10.104	168	39286	2.35	ng	# 59
58) Fluorene	10.445	166	46823	3.56	ng	# 87
71) Phenanthrene	11.421	178	383468	17.48	ng	100
72) Anthracene	11.469	178	134561	6.15	ng	97
75) Fluoranthene	12.627	202	501393	21.57	ng	98
78) Pyrene	12.886	202	564074m	21.26	ng	
81) Benzo(a)anthracene	14.057	228	278828	12.07	ng	# 90
83) Chrysene	14.086	228	278461	12.28	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.074	276	132075	6.20	ng	95
88) Benzo(b)fluoranthene	15.115	252	300467m	13.89	ng	
89) Benzo(k)fluoranthene	15.139	252	112246m	5.72	ng	
90) Benzo(a)pyrene	15.492	252	220893	11.45	ng	# 80
91) Dibenzo(a,h)anthracene	17.080	278	36621	2.00	ng	# 30
92) Benzo(g,h,i)perylene	17.539	276	132826	7.90	ng	# 90

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

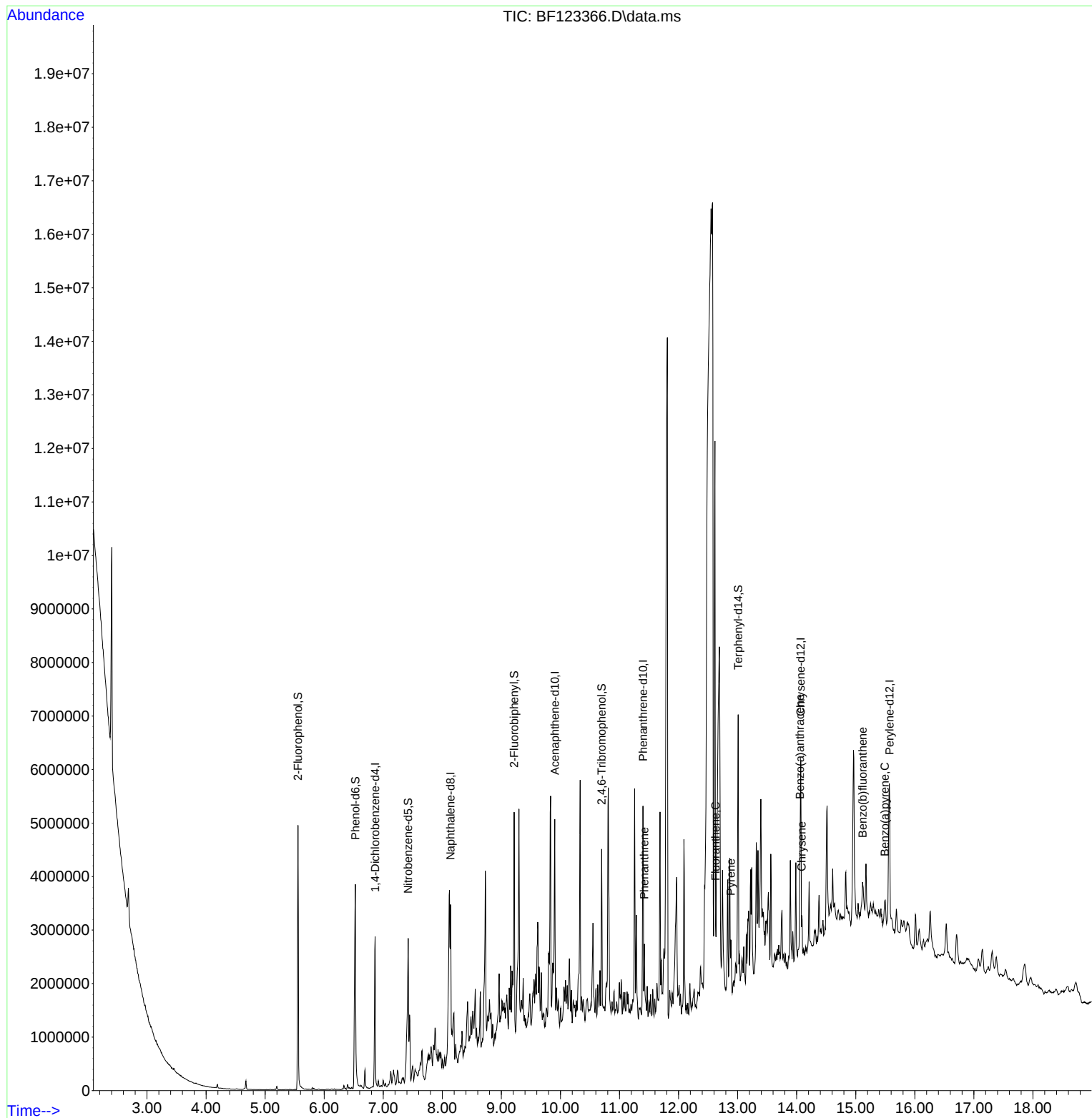
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030321\
Data File : BF123366.D
Acq On : 3 Mar 2021 20:53
Operator : JU/CG
Sample : M1542-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 4

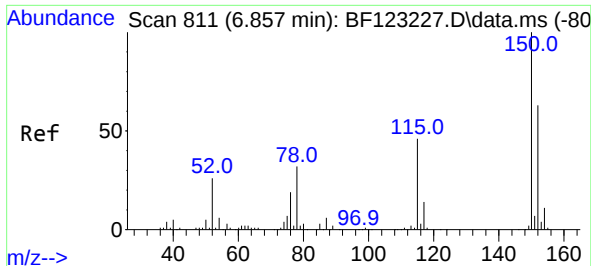
Instrument :
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ClientSampleId :
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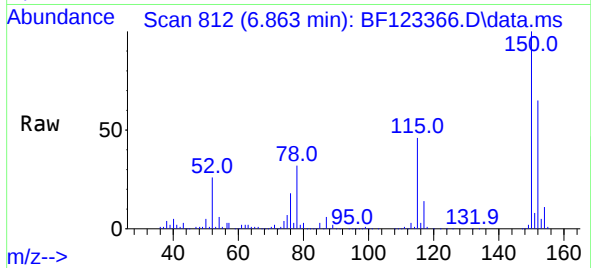
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Quant Time: Mar 03 23:55:03 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 03 13:18:24 2021
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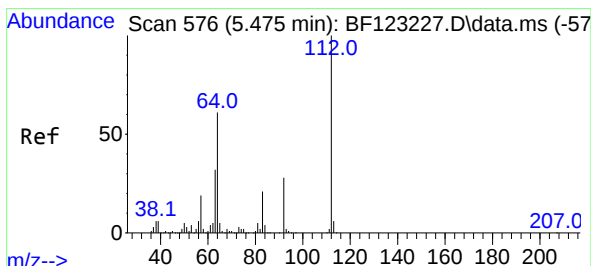
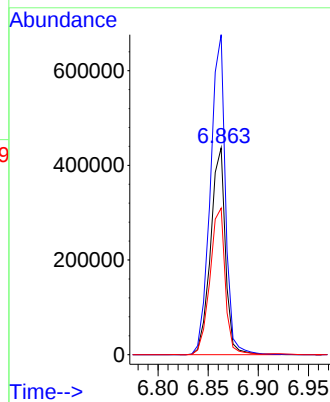
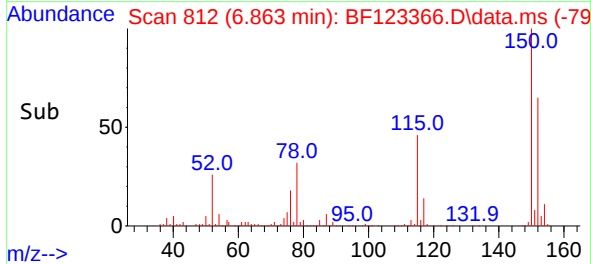




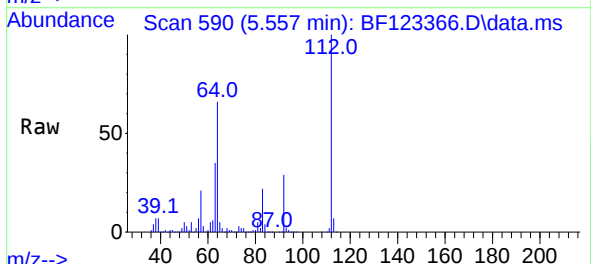
#1
1,4-Dichlorobenzene-d4
Concen: 80.00 ng
RT: 6.863 min Scan# 812
Delta R.T. 0.018 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53



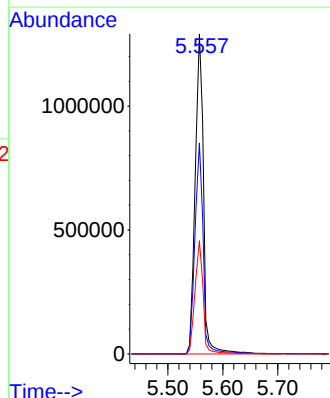
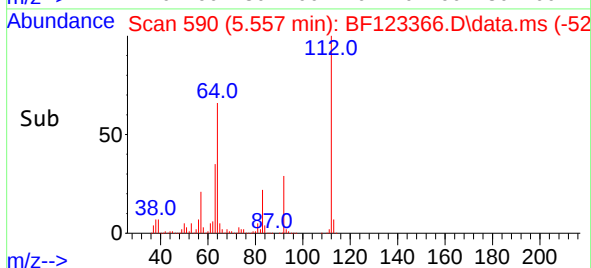
Tgt Ion:152 Resp: 453333
Ion Ratio Lower Upper
152 100
150 154.7 125.8 188.6
115 70.9 49.3 73.9



#5
2-Fluorophenol
Concen: 171.84 ng
RT: 5.557 min Scan# 590
Delta R.T. 0.088 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53



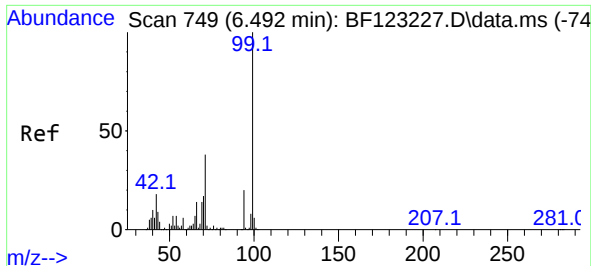
Tgt Ion:112 Resp: 1352974
Ion Ratio Lower Upper
112 100
64 66.0 46.9 70.3
63 35.4 24.5 36.7



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#7
Phenol-d6
Concen: 169.91 ng
RT: 6.528 min Scan# 755
Delta R.T. 0.041 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53

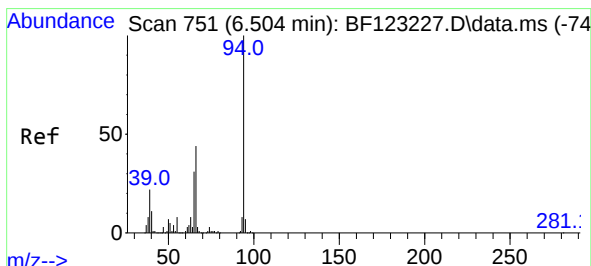
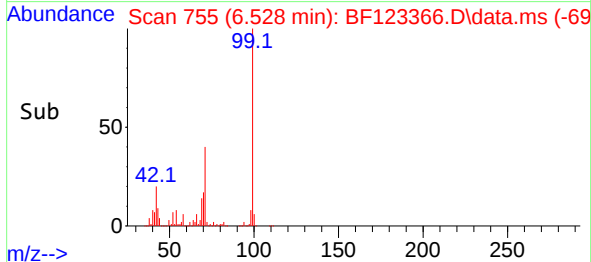
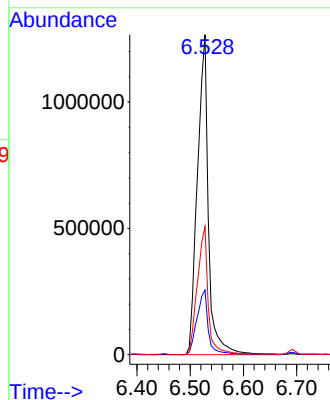
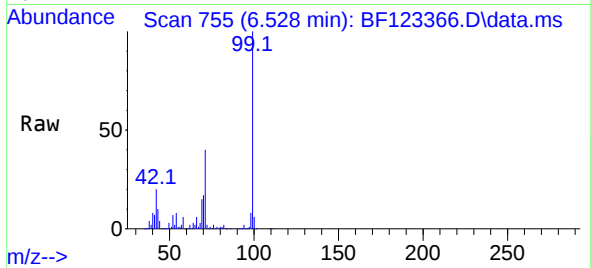
Tgt Ion: 99 Resp: 1817438

Ion	Ratio	Lower	Upper
99	100		
42	20.2	13.8	20.6
71	40.0	26.9	40.3

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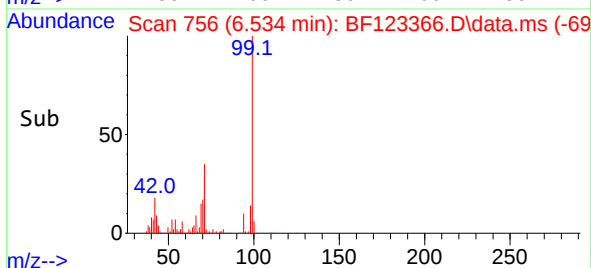
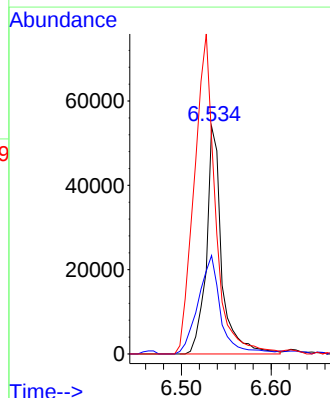
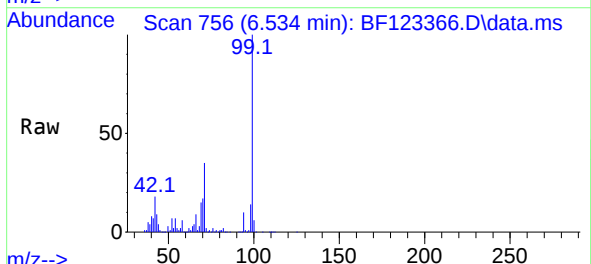
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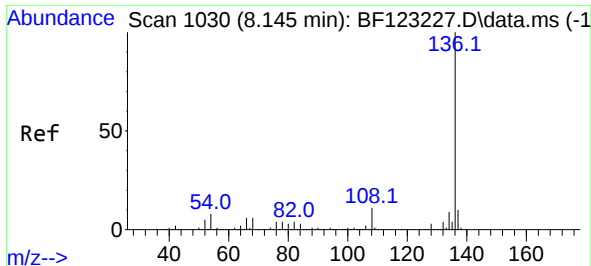


#10
Phenol
Concen: 5.52 ng
RT: 6.534 min Scan# 756
Delta R.T. 0.035 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53

Tgt Ion: 94 Resp: 64402

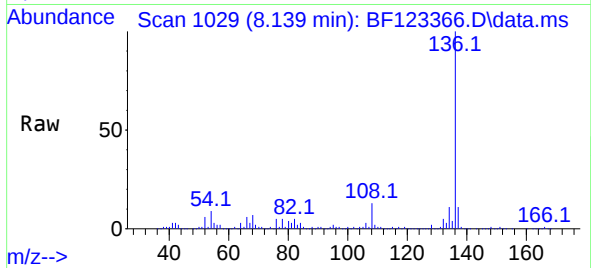
Ion	Ratio	Lower	Upper
94	100		
65	43.2	11.2	51.2
66	95.0	25.8	65.8





#21
Naphthalene-d8
Concen: 80.00 ng
RT: 8.139 min Scan# 1029
Delta R.T. 0.012 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53

Instrument :
BNA_F
ClientSampleId :
SU-03-030221

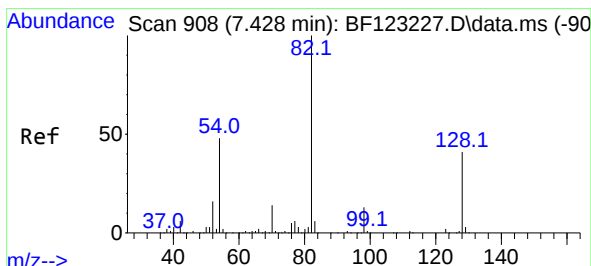
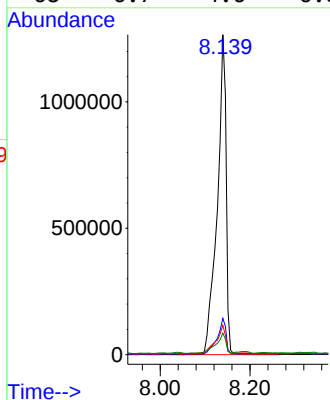
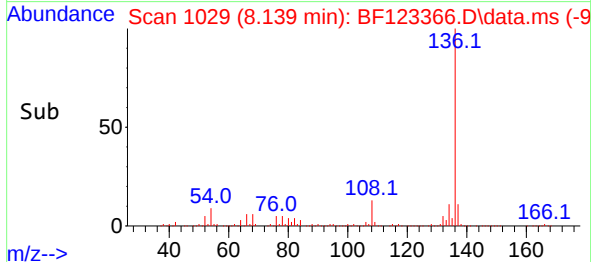


Tgt Ion:136 Resp: 1755002

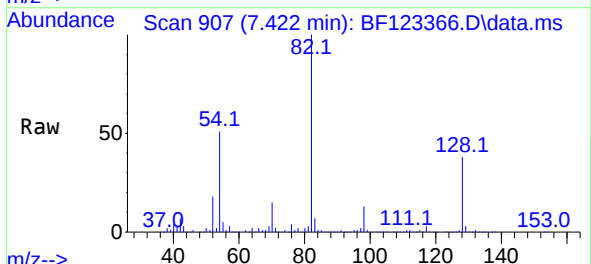
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	9.1	5.5	8.3#
68	6.7	4.6	6.8

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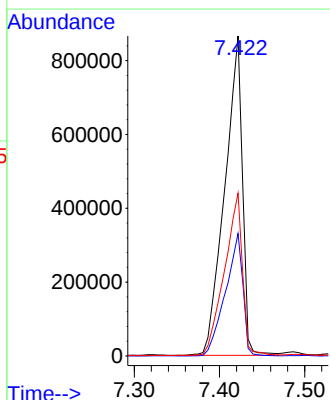
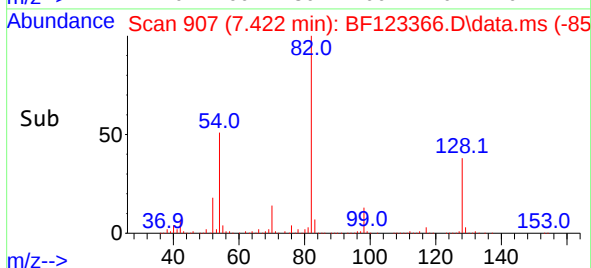


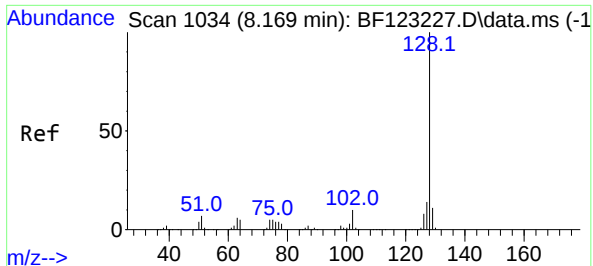
#23
Nitrobenzene-d5
Concen: 130.86 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.006 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53



Tgt Ion: 82 Resp: 1254247

Ion	Ratio	Lower	Upper
82	100		
128	38.2	37.0	55.4
54	50.9	38.4	57.6





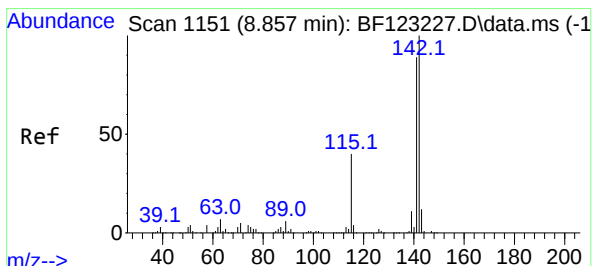
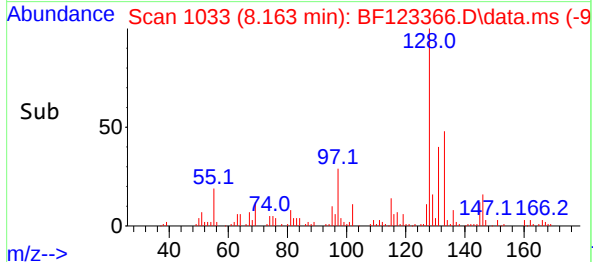
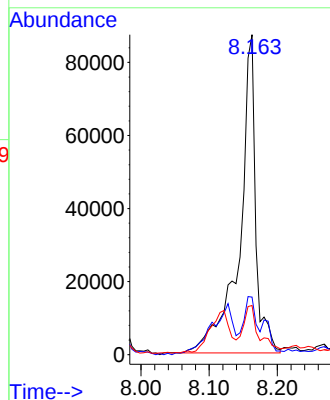
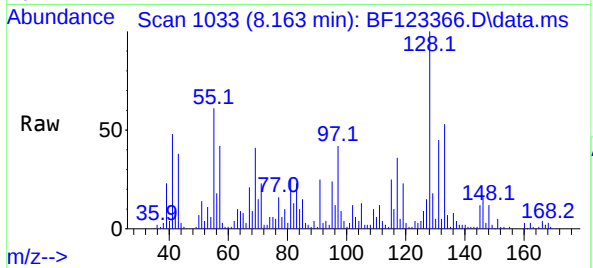
#31
Naphthalene
Concen: 6.01 ng
RT: 8.163 min Scan# 1033
Delta R.T. 0.012 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53

Tgt Ion:128 Resp: 144559
Ion Ratio Lower Upper
128 100
129 18.0 9.0 13.6#
127 15.4 10.7 16.1

Instrument :
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ClientSampleId :
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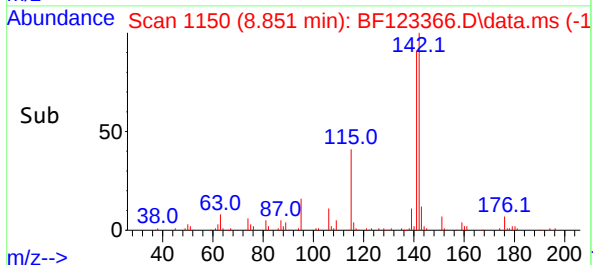
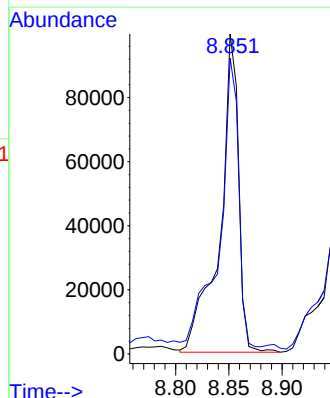
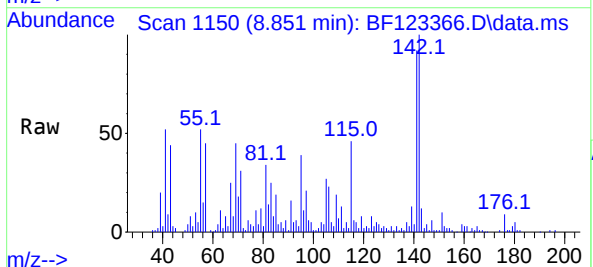
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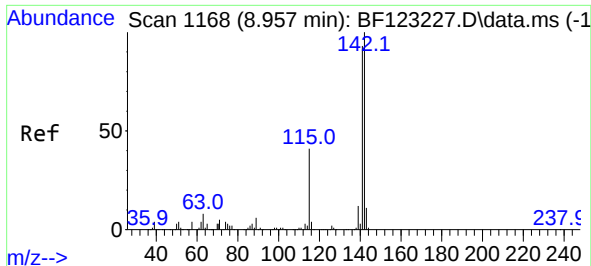
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#37
2-Methylnaphthalene
Concen: 7.58 ng
RT: 8.851 min Scan# 1150
Delta R.T. 0.006 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53

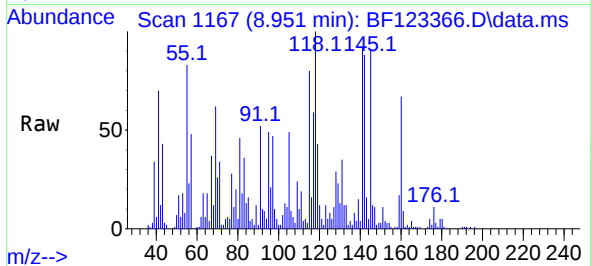
Tgt Ion:142 Resp: 121484
Ion Ratio Lower Upper
142 100
141 92.5 70.6 106.0





#38
1-Methylnaphthalene
Concen: 5.07 ng
RT: 8.951 min Scan# 1167
Delta R.T. 0.006 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53

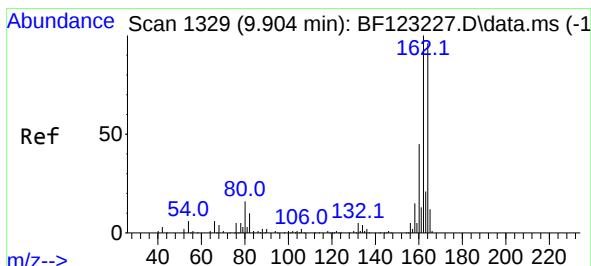
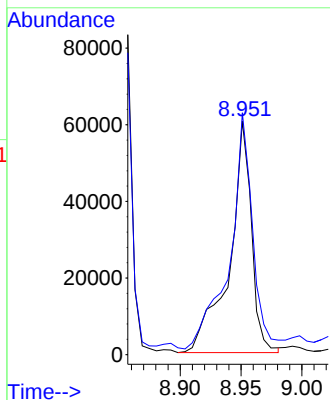
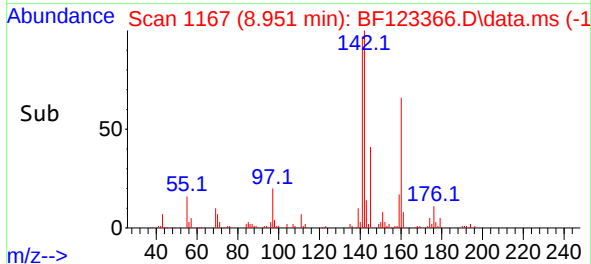
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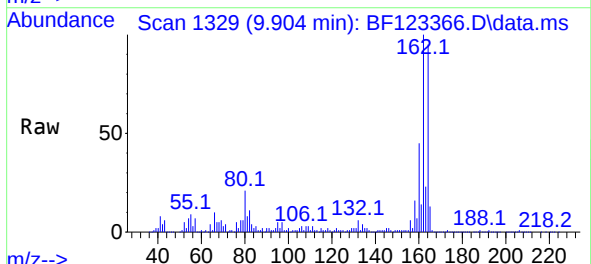
Tgt Ion:142 Resp: 75945
Ion Ratio Lower Upper
142 100
141 103.7 74.5 111.7

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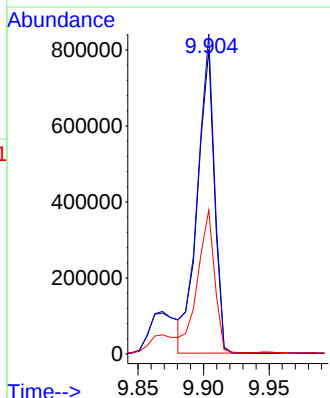
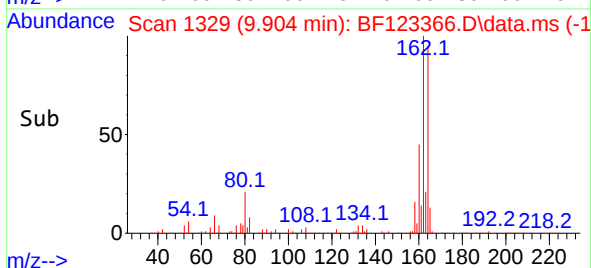
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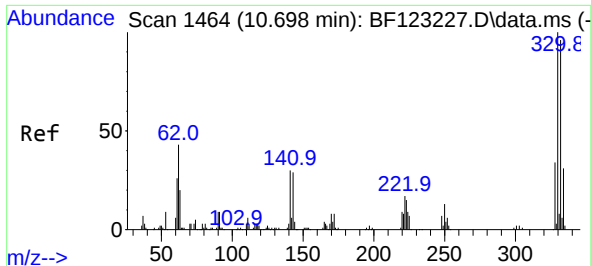


#39
Acenaphthene-d10
Concen: 80.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.018 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53



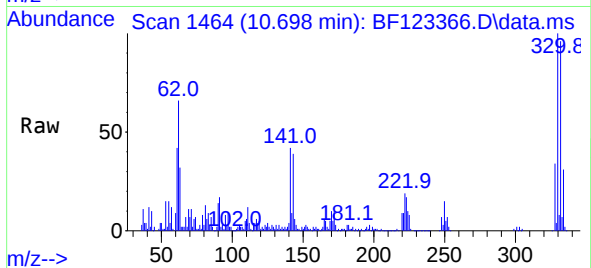
Tgt Ion:164 Resp: 720846
Ion Ratio Lower Upper
164 100
162 105.1 80.8 121.2
160 47.2 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 204.84 ng
RT: 10.698 min Scan# 1464
Delta R.T. 0.018 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53

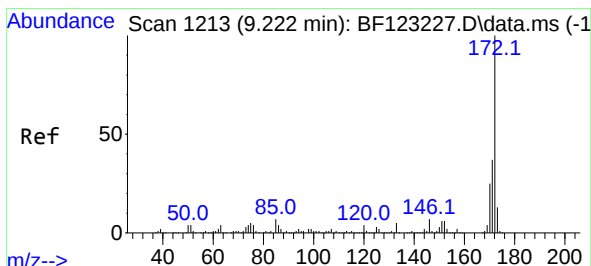
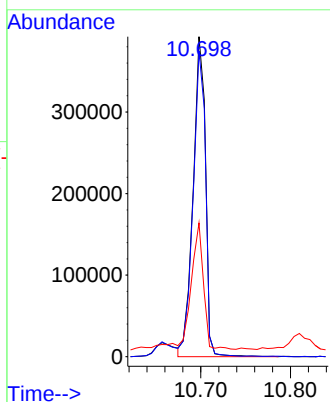
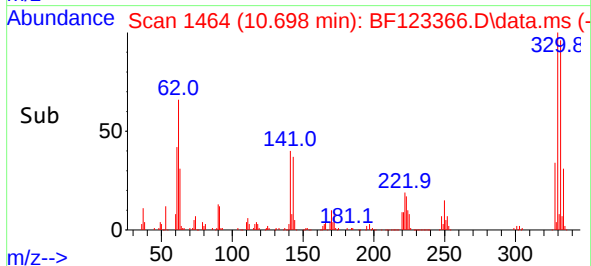
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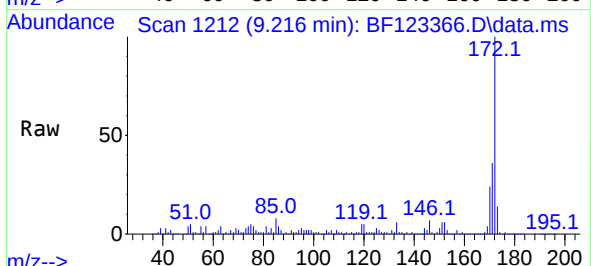
Tgt Ion: 330 Resp: 375877
Ion Ratio Lower Upper
330 100
332 95.6 77.5 116.3
141 43.9 23.8 35.8#

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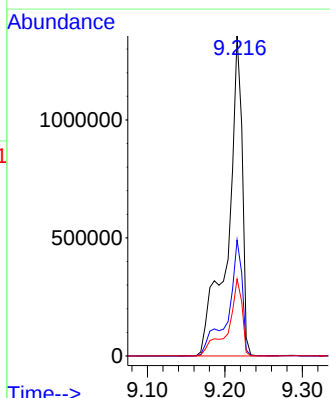
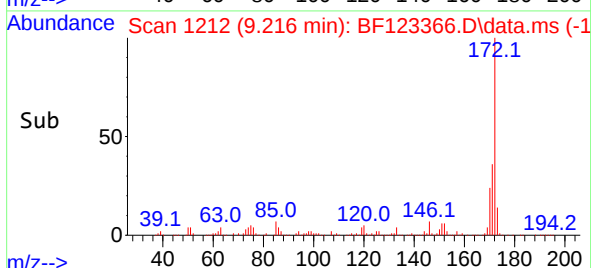
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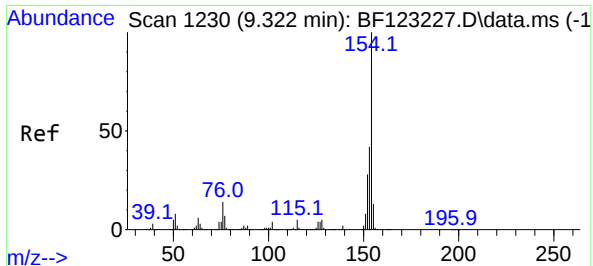


#45
2-Fluorobiphenyl
Concen: 140.52 ng
RT: 9.216 min Scan# 1212
Delta R.T. 0.006 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53



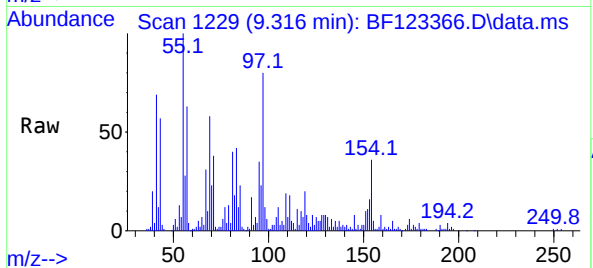
Tgt Ion: 172 Resp: 1762949
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 24.1 19.5 29.3





#46
1,1'-Biphenyl
Concen: 3.10 ng
RT: 9.316 min Scan# 1229
Delta R.T. 0.006 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53

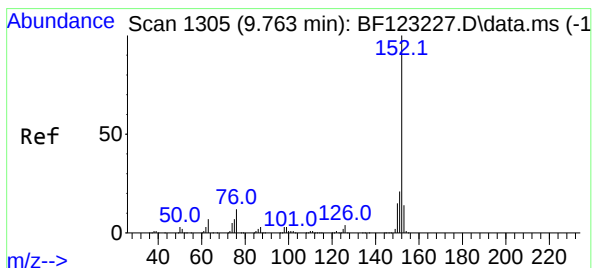
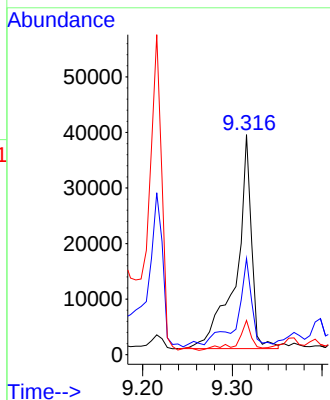
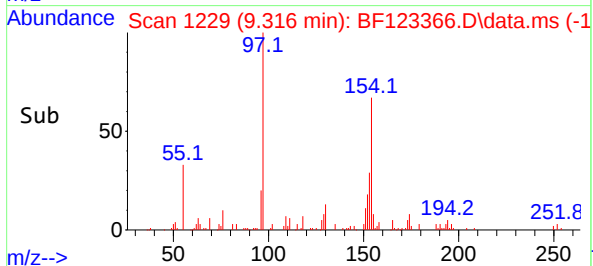
Instrument :
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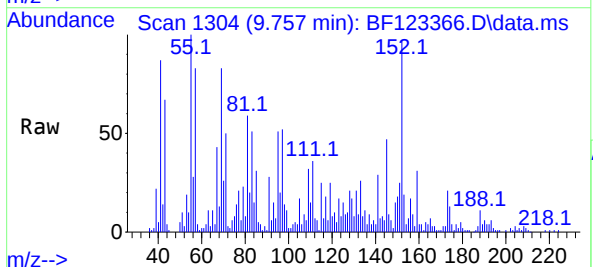
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Ion Ratio Lower Upper
154 100
153 43.7 21.8 61.8
76 15.6 0.0 33.4

Manual Integrations
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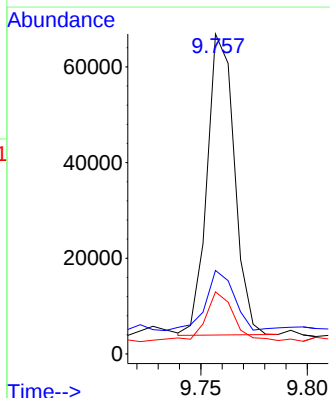
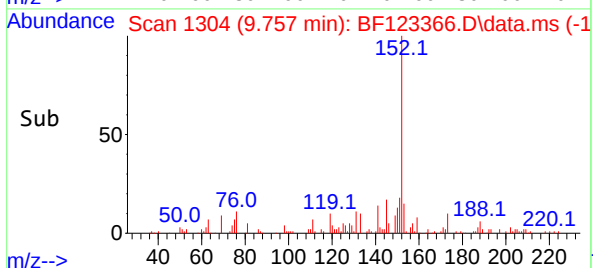
mohammad
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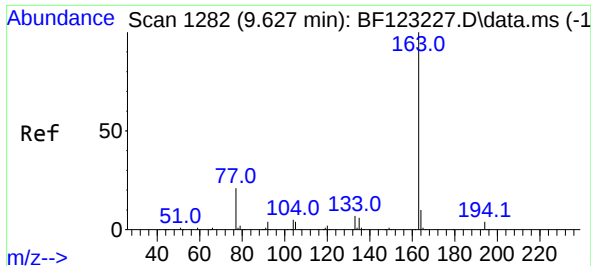


#49
Acenaphthylene
Concen: 3.14 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.006 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53



Tgt Ion:152 Resp: 56124
Ion Ratio Lower Upper
152 100
151 26.1 16.6 25.0#
153 19.4 10.9 16.3#





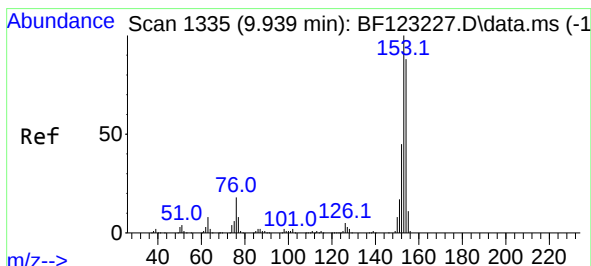
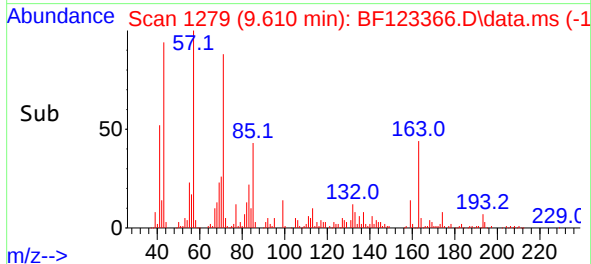
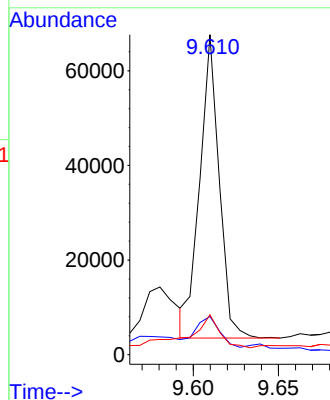
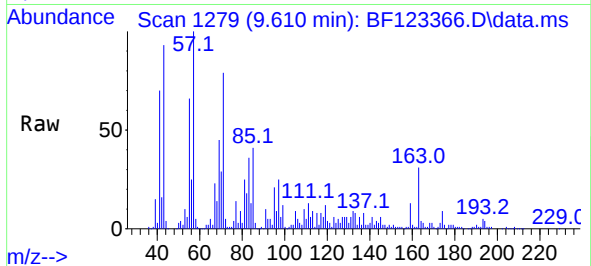
#50
Dimethylphthalate
Concen: 3.77 ng
RT: 9.610 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53

Tgt Ion:163 Resp: 50838
Ion Ratio Lower Upper
163 100
194 12.0 3.4 5.0#
164 12.4 8.1 12.1#

Instrument :
BNA_F
ClientSampleId :
SU-03-030221

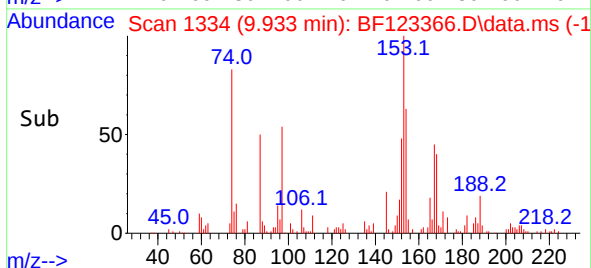
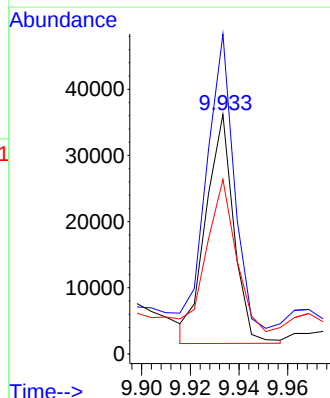
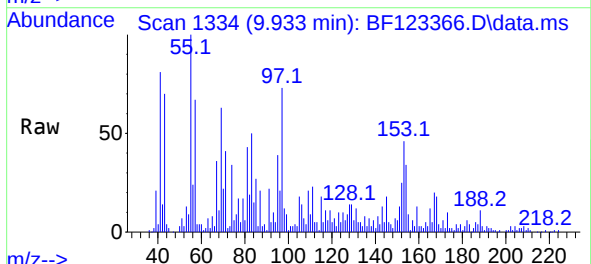
Manual Integrations
APPROVED

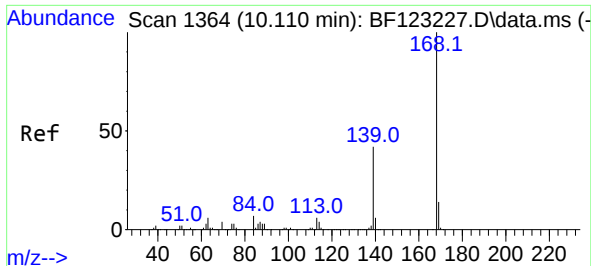
mohammad
3/4/2021 11:32:40 AM



#52
Acenaphthene
Concen: 2.23 ng
RT: 9.933 min Scan# 1334
Delta R.T. 0.012 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53

Tgt Ion:154 Resp: 27526
Ion Ratio Lower Upper
154 100
153 133.6 89.0 133.6#
152 72.9 42.7 64.1#





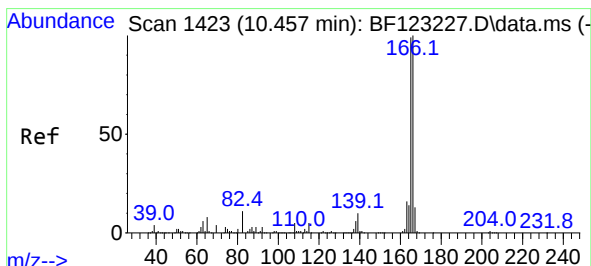
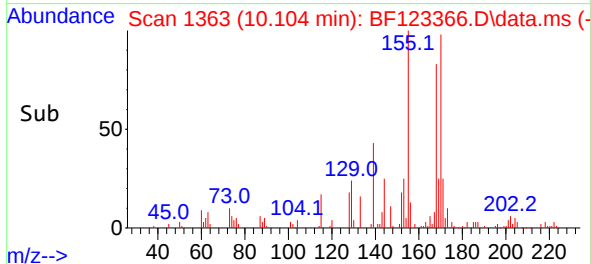
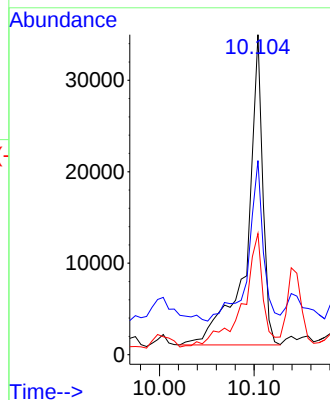
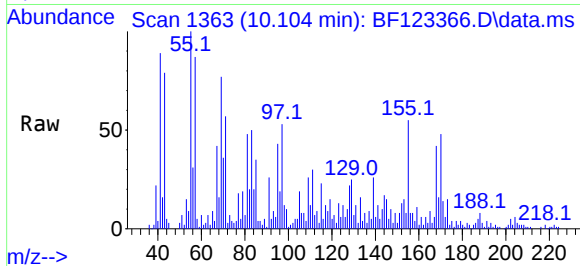
#55
Dibenzenofuran
Concen: 2.35 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.006 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53

Tgt Ion:168 Resp: 39286
Ion Ratio Lower Upper
168 100
139 60.6 31.3 46.9#
169 37.9 11.2 16.8#

Instrument :
BNA_F
ClientSampled :
SU-03-030221

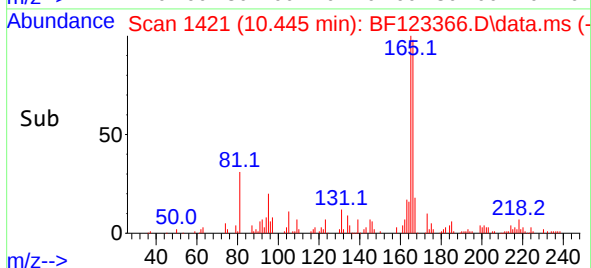
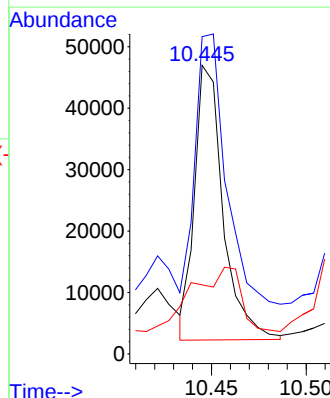
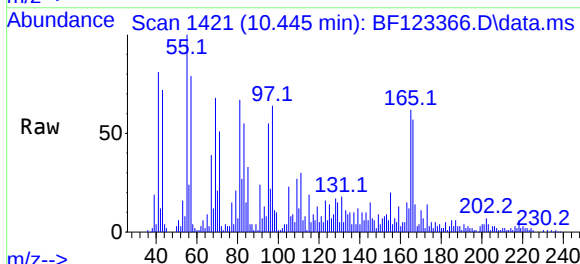
Manual Integrations
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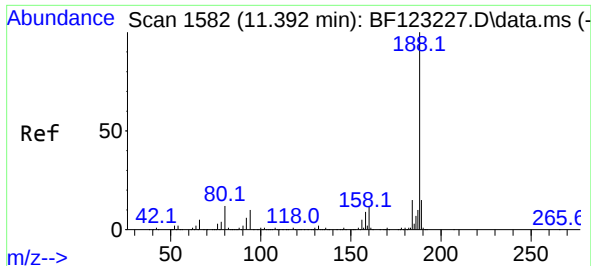
mohammad
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#58
Fluorene
Concen: 3.56 ng
RT: 10.445 min Scan# 1421
Delta R.T. 0.006 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53

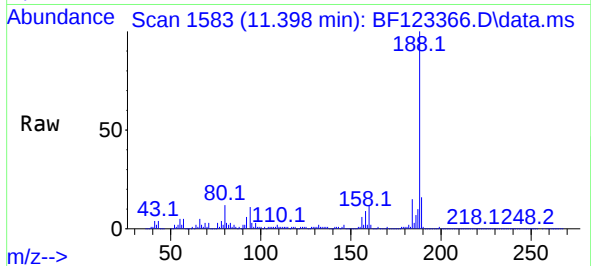
Tgt Ion:166 Resp: 46823
Ion Ratio Lower Upper
166 100
165 109.9 79.4 119.0
167 23.9 10.9 16.3#





#64
Phenanthrene-d10
Concen: 80.00 ng
RT: 11.398 min Scan# 1583
Delta R.T. 0.018 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53

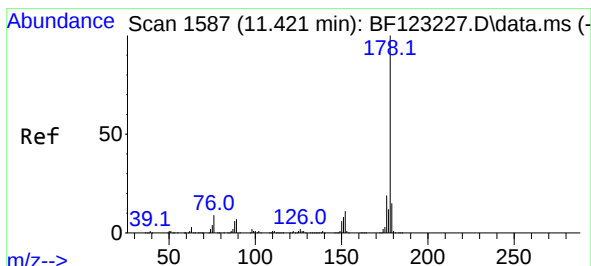
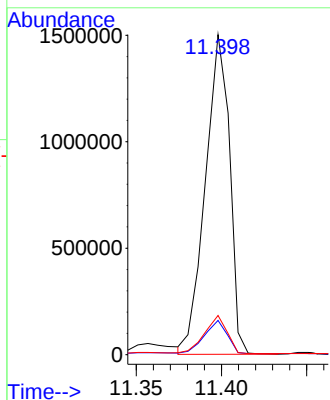
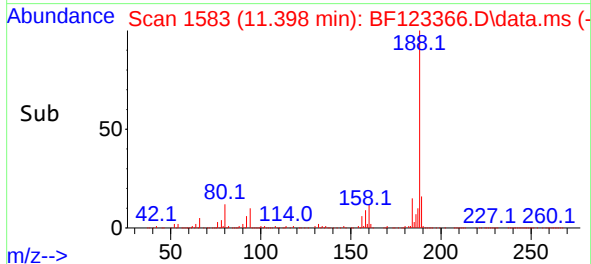
Instrument :
BNA_F
ClientSampleId :
SU-03-030221



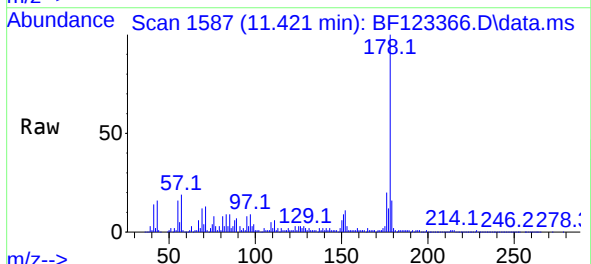
Tgt Ion:188 Resp: 1483687
Ion Ratio Lower Upper
188 100
94 10.7 7.4 11.2
80 12.3 8.2 12.4

Manual Integrations
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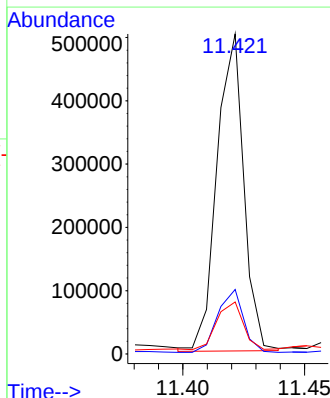
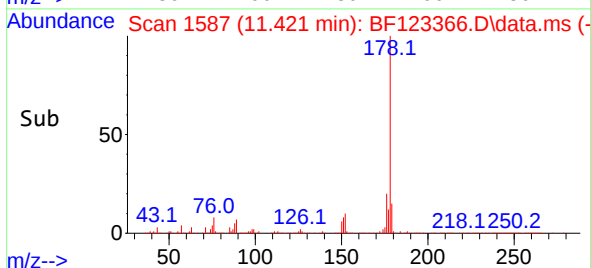
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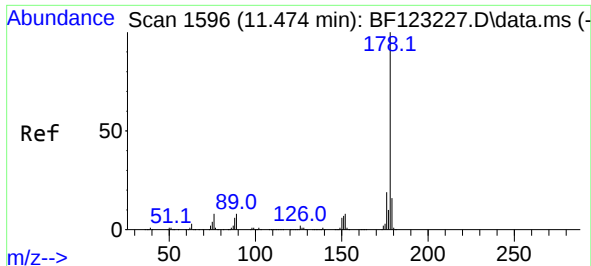


#71
Phenanthrene
Concen: 17.48 ng
RT: 11.421 min Scan# 1587
Delta R.T. 0.018 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53

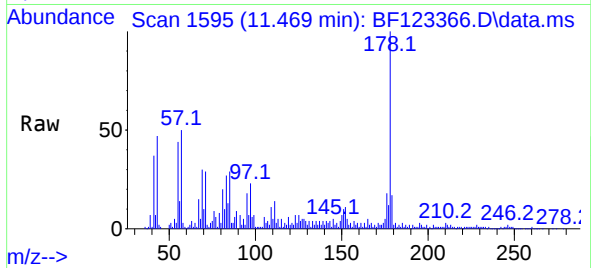


Tgt Ion:178 Resp: 383468
Ion Ratio Lower Upper
178 100
176 20.2 16.2 24.2
179 16.2 12.7 19.1

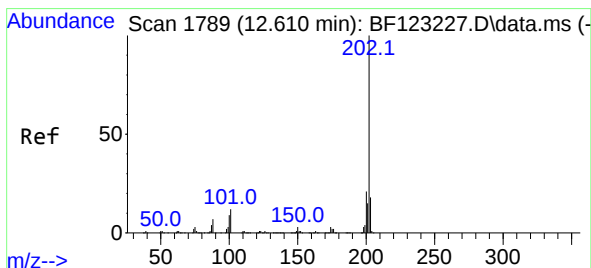
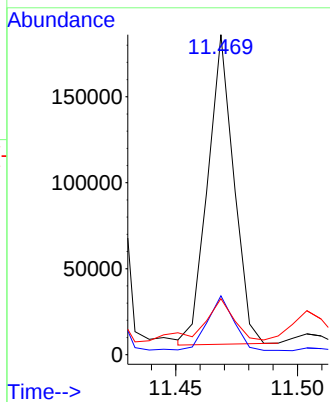
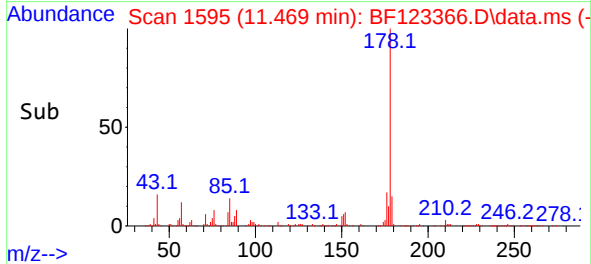




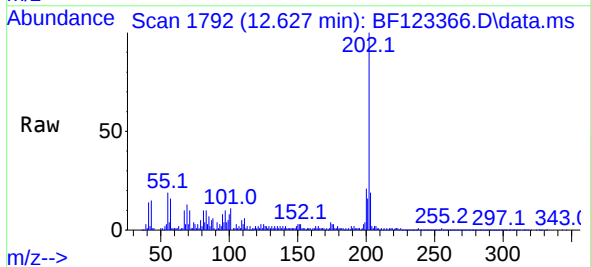
#72
 Anthracene
 Concen: 6.15 ng
 RT: 11.469 min Scan# 1595
 Delta R.T. 0.012 min
 Lab File: BF123366.D
 Acq: 3 Mar 2021 20:53



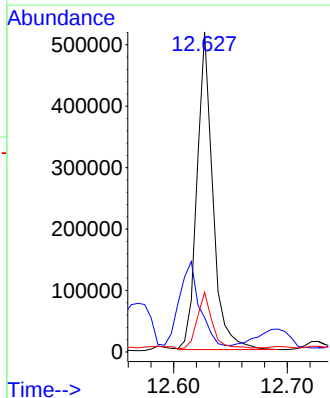
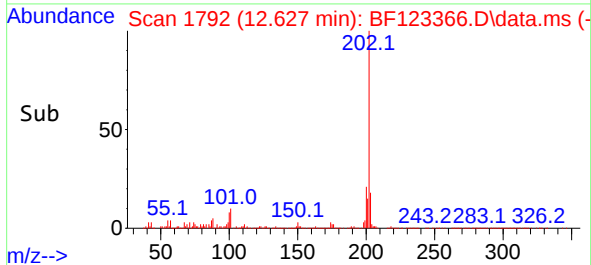
Tgt Ion:178 Resp: 134561
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.6 23.4
 179 17.5 12.8 19.2



#75
 Fluoranthene
 Concen: 21.57 ng
 RT: 12.627 min Scan# 1792
 Delta R.T. 0.029 min
 Lab File: BF123366.D
 Acq: 3 Mar 2021 20:53



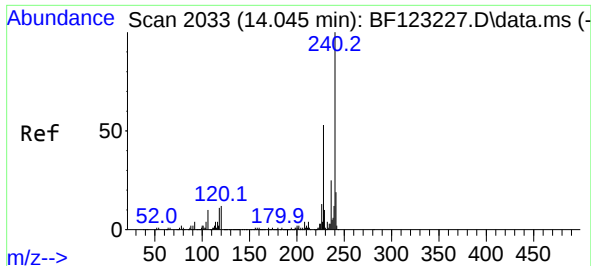
Tgt Ion:202 Resp: 501393
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 32.2
 203 18.6 0.0 38.1



Instrument :
 BNA_F
 ClientSampleId :
 SU-03-030221

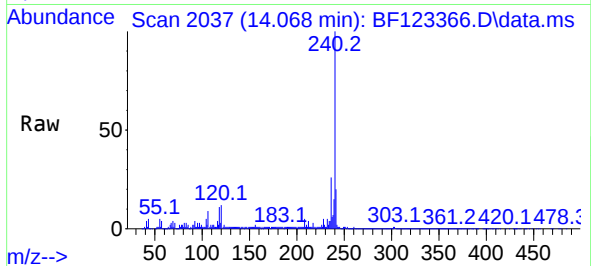
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#76
Chrysene-d12
Concen: 80.00 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.035 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53

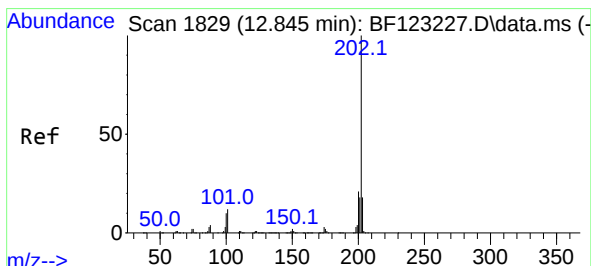
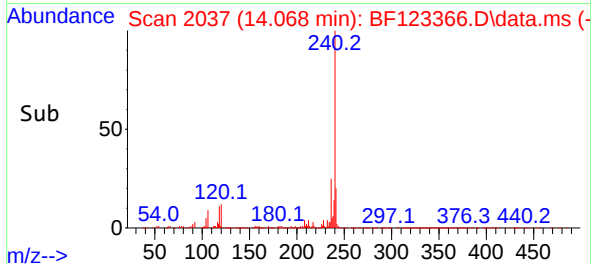
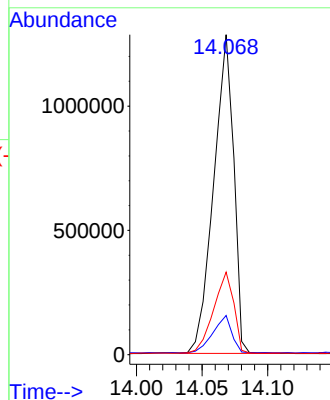
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BNA_F
ClientSampled :
SU-03-030221



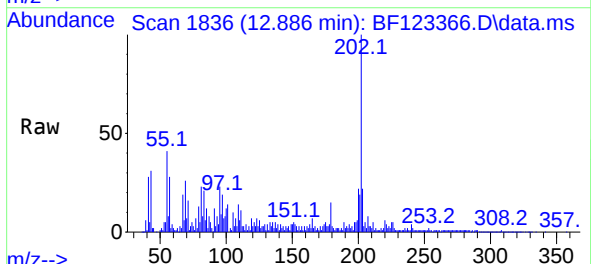
Tgt Ion:240 Resp: 1359201
Ion Ratio Lower Upper
240 100
120 12.2 8.6 12.8
236 25.8 20.3 30.5

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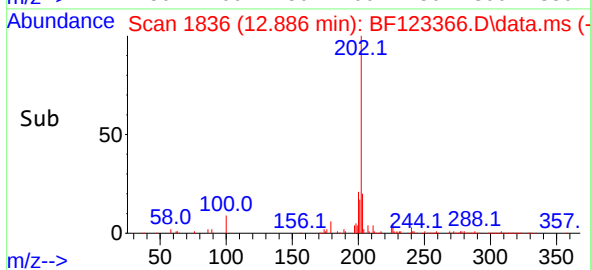
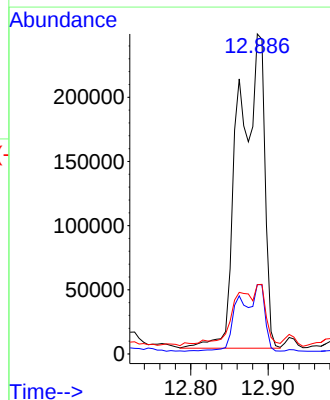
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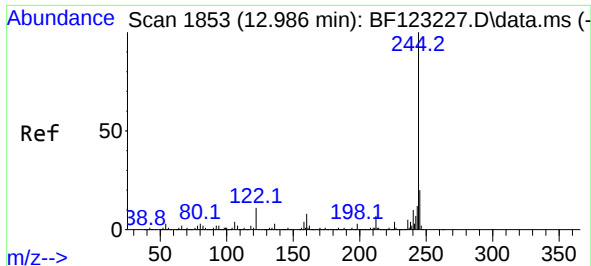


#78
Pyrene
Concen: 21.26 ng m
RT: 12.886 min Scan# 1836
Delta R.T. 0.059 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53



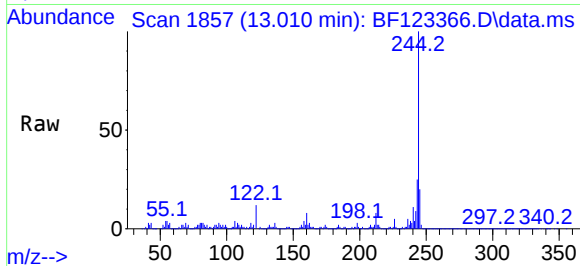
Tgt Ion:202 Resp: 564074
Ion Ratio Lower Upper
202 100
200 21.7 17.6 26.4
203 21.7 14.6 21.8





#79
Terphenyl-d14
Concen: 97.11 ng
RT: 13.010 min Scan# 1857
Delta R.T. 0.041 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53

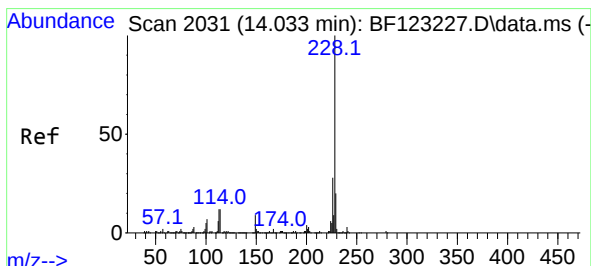
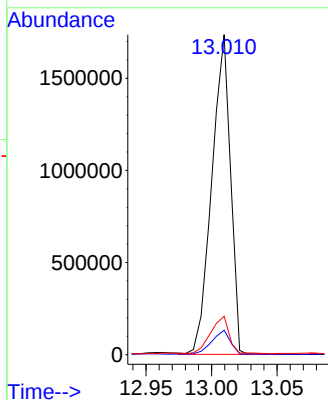
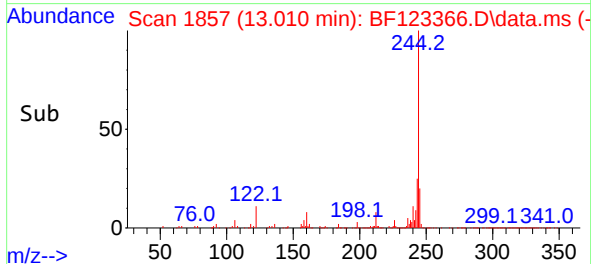
Instrument :
BNA_F
ClientSampleId :
SU-03-030221



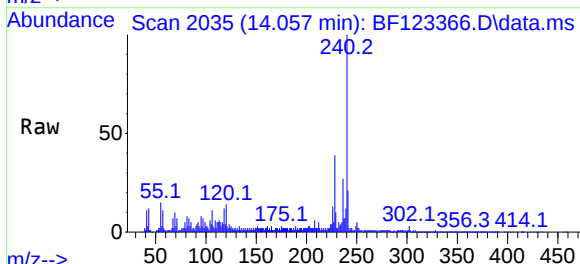
Tgt Ion:244 Resp: 1716063
Ion Ratio Lower Upper
244 100
212 7.7 5.7 8.5
122 12.0 8.3 12.5

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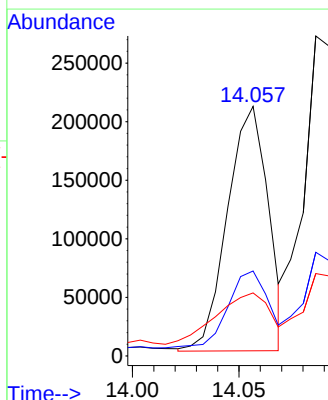
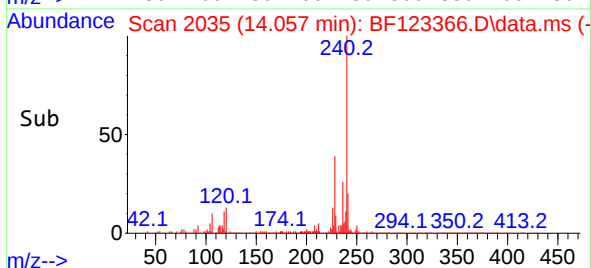
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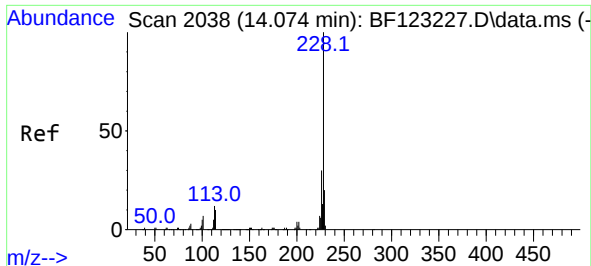


#81
Benzo(a)anthracene
Concen: 12.07 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.035 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53

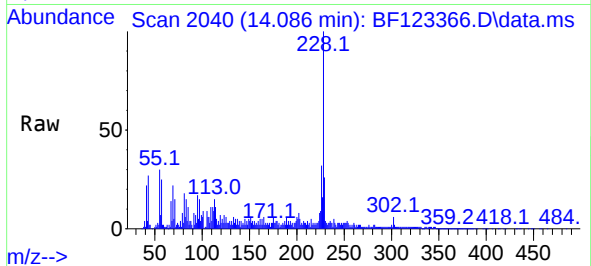


Tgt Ion:228 Resp: 278828
Ion Ratio Lower Upper
228 100
226 34.0 23.0 34.4
229 25.3 16.6 24.8#

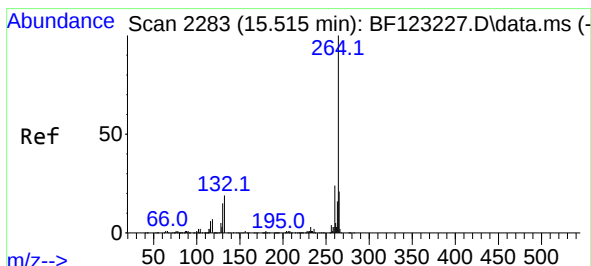
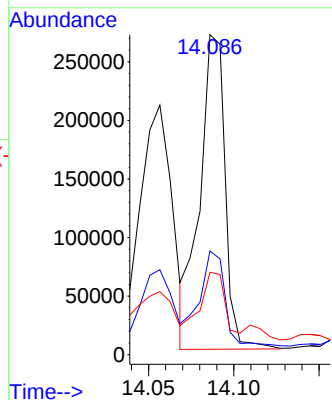
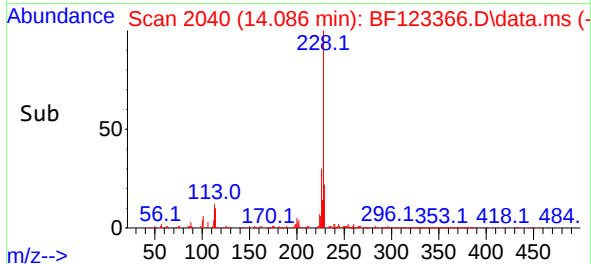




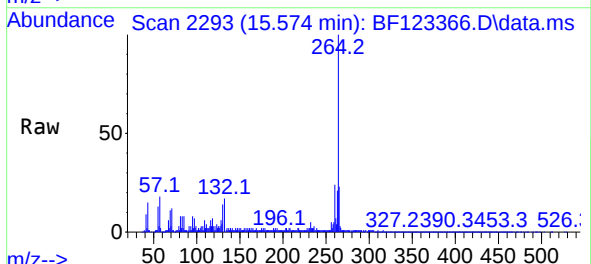
#83
Chrysene
Concen: 12.28 ng
RT: 14.086 min Scan# 2040
Delta R.T. 0.029 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53



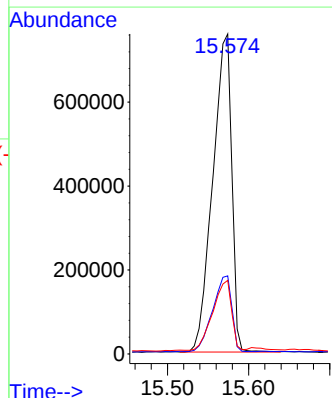
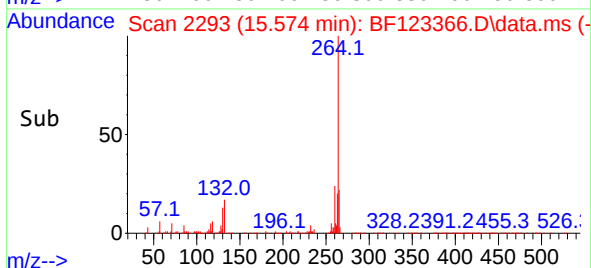
Tgt Ion:228 Resp: 278461
Ion Ratio Lower Upper
228 100
226 32.4 24.6 36.8
229 25.7 15.8 23.6#



#86
Perylene-d12
Concen: 80.00 ng
RT: 15.574 min Scan# 2293
Delta R.T. 0.076 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53



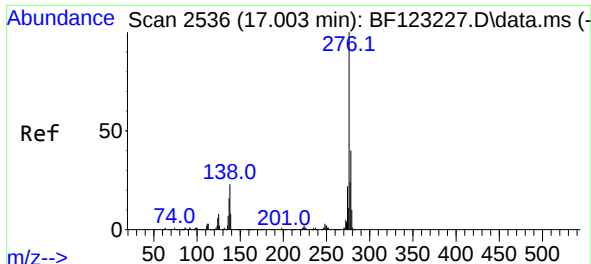
Tgt Ion:264 Resp: 1232269
Ion Ratio Lower Upper
264 100
260 24.4 18.6 28.0
265 23.0 17.0 25.6



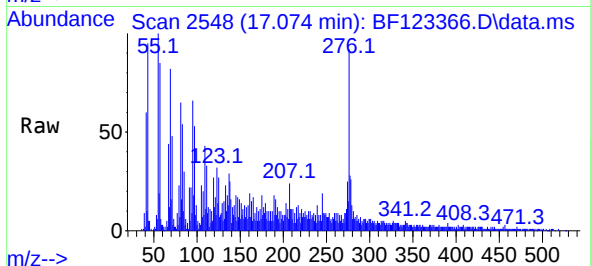
Instrument :
BNA_F
ClientSampleId :
SU-03-030221

Manual Integrations
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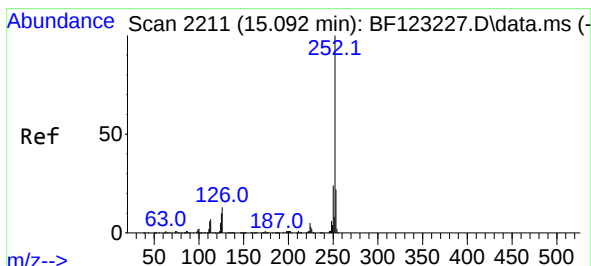
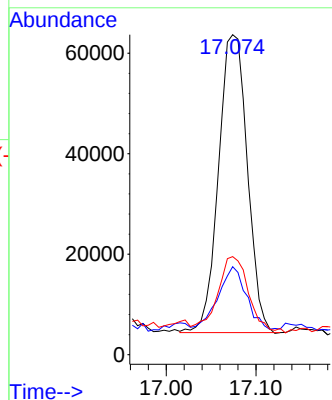
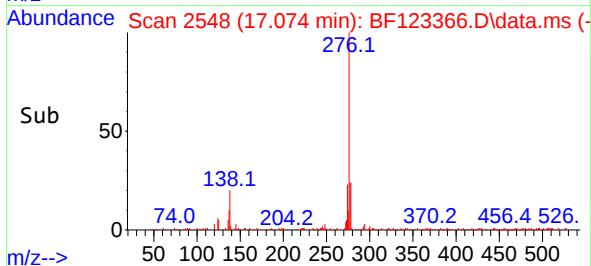
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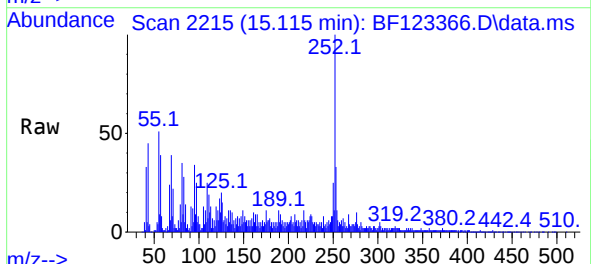
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.20 ng
RT: 17.074 min Scan# 2548
Delta R.T. 0.094 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53



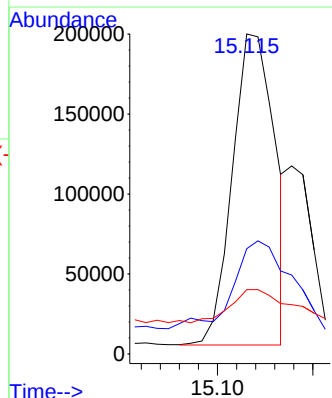
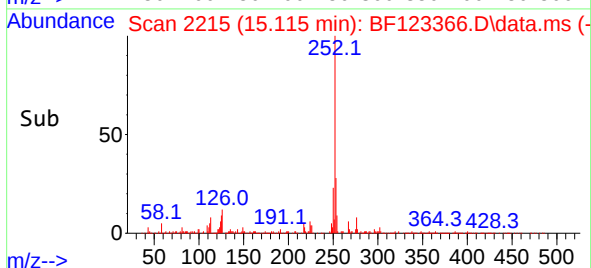
Tgt Ion:276 Resp: 132075
Ion Ratio Lower Upper
276 100
138 20.9 18.7 28.1
277 28.0 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 13.89 ng m
RT: 15.115 min Scan# 2215
Delta R.T. 0.041 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53



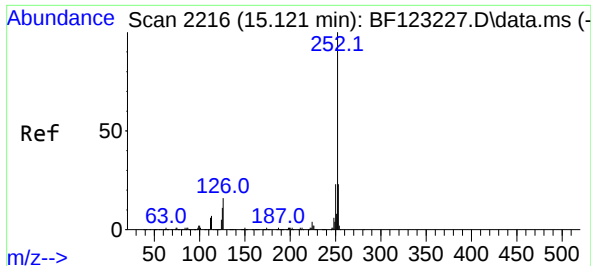
Tgt Ion:252 Resp: 300467
Ion Ratio Lower Upper
252 100
253 32.9 18.3 27.5#
125 20.1 8.1 12.1#



Instrument :
BNA_F
ClientSampled :
SU-03-030221

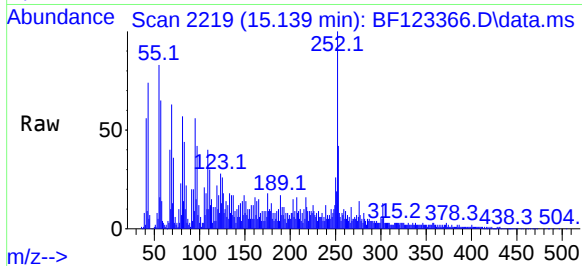
Manual Integrations
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#89
Benzo(k)fluoranthene
Concen: 5.72 ng m
RT: 15.139 min Scan# 2219
Delta R.T. 0.035 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53

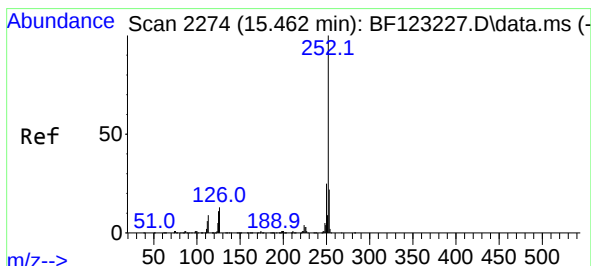
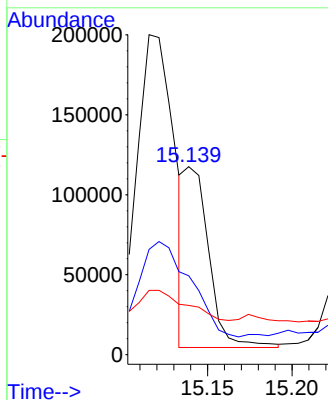
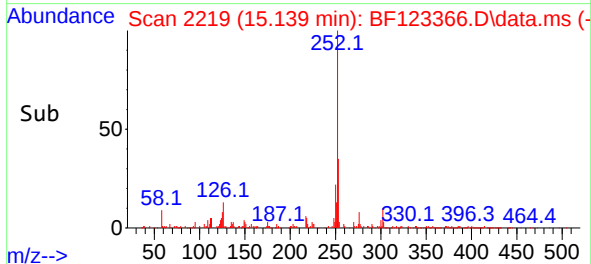
Instrument :
BNA_F
ClientSampled :
SU-03-030221



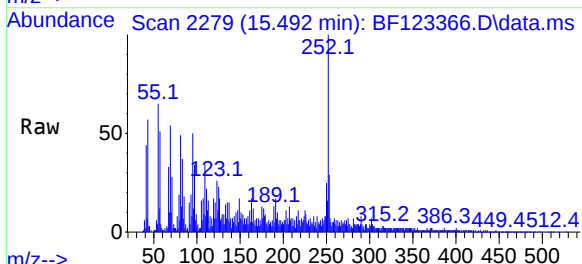
Tgt Ion:252 Resp: 112246
Ion Ratio Lower Upper
252 100
253 42.0 17.8 26.8#
125 26.2 8.4 12.6#

Manual Integrations
APPROVED

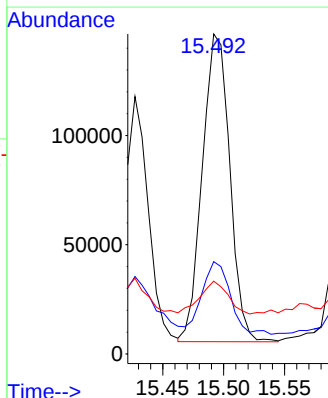
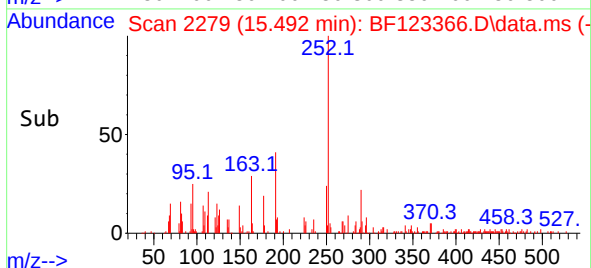
mohammad
3/4/2021 11:32:40 AM

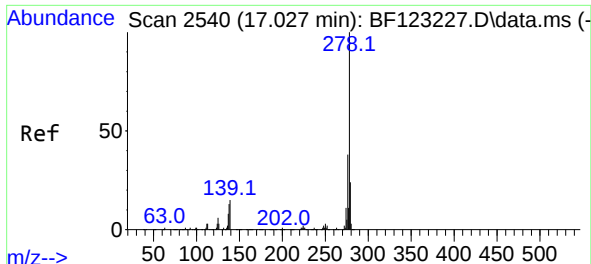


#90
Benzo(a)pyrene
Concen: 11.45 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.053 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53



Tgt Ion:252 Resp: 220893
Ion Ratio Lower Upper
252 100
253 28.9 17.5 26.3#
125 22.8 8.6 12.8#





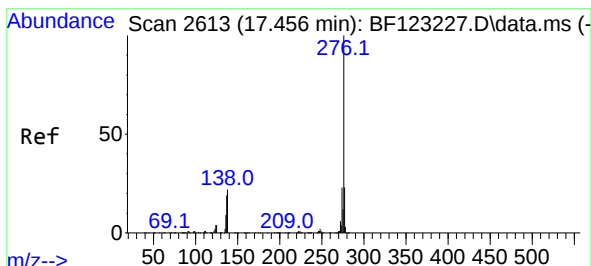
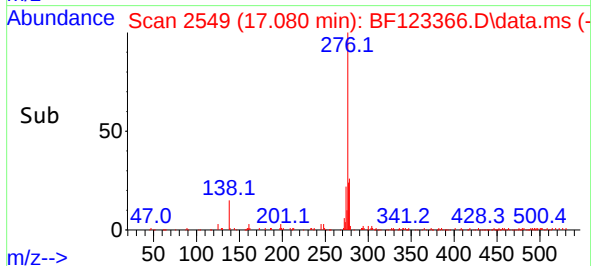
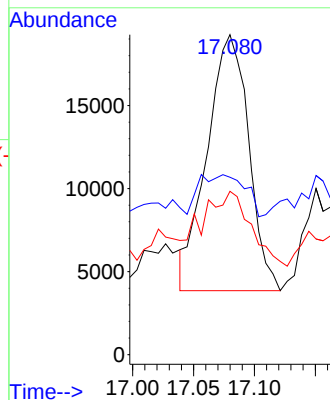
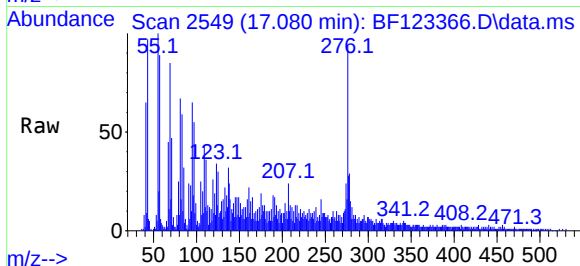
#91
Dibenzo(a,h)anthracene
Concen: 2.00 ng
RT: 17.080 min Scan# 2549
Delta R.T. 0.082 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53

Tgt Ion:278 Resp: 36621
Ion Ratio Lower Upper
278 100
139 55.4 12.0 18.0#
279 51.0 19.4 29.2#

Instrument :
BNA_F
ClientSampled :
SU-03-030221

Manual Integrations
APPROVED

mohammad
3/4/2021 11:32:40 AM



#92
Benzo(g,h,i)perylene
Concen: 7.90 ng
RT: 17.539 min Scan# 2627
Delta R.T. 0.112 min
Lab File: BF123366.D
Acq: 3 Mar 2021 20:53

Tgt Ion:276 Resp: 132826
Ion Ratio Lower Upper
276 100
277 29.3 19.3 28.9#
138 25.0 16.6 24.8#

