

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
 Data File : BF124293.D
 Acq On : 12 Jun 2021 18:51
 Operator : JU/CG
 Sample : M2691-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-VNJ-208

Manual Integrations
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Quant Time: Jun 14 04:27:29 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 10 01:53:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	32738	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	95434	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	6614	20.000	ng	#-0.01
64) Phenanthrene-d10	11.374	188	37780	20.000	ng	# 0.00
76) Chrysene-d12	14.021	240	16100	20.000	ng	# 0.00
86) Perylene-d12	15.498	264	493	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	174731	80.344	ng	0.00
7) Phenol-d6	6.492	99	33385	11.421	ng	0.00
23) Nitrobenzene-d5	7.410	82	165225	68.666	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	61773	659.233	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	286223	544.562	ng	-0.01
79) Terphenyl-d14	12.957	244	134742	114.904	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.599	88	33608	35.312	ng	96
31) Naphthalene	8.145	128	169895	29.776	ng	99
37) 2-Methylnaphthalene	8.839	142	53073	13.264	ng	94
38) 1-Methylnaphthalene	8.939	142	37909	10.139	ng	96
46) 1,1'-Biphenyl	9.298	154	19360	34.675	ng	91
49) Acenaphthylene	9.745	152	3964	6.001	ng	# 83
55) Dibenzofuran	10.086	168	105636	156.435	ng	97
58) Fluorene	10.427	166	33169	63.991	ng	# 94
71) Phenanthrene	11.404	178	798006	338.130	ng	99
72) Anthracene	11.451	178	70728	29.758	ng	96
75) Fluoranthene	12.592	202	469815	189.649	ng	97
78) Pyrene	12.821	202	176344	114.064	ng	97
81) Benzo(a)anthracene	14.010	228	160207	136.594	ng	95
83) Chrysene	14.045	228	205872	181.930	ng	98
84) Bis(2-ethylhexyl)phtha...	13.992	149	8572	11.490	ng	# 85
87) Indeno(1,2,3-cd)pyrene	16.992	276	18640	417.586	ng	# 88
88) Benzo(b)fluoranthene	15.068	252	111832m	2920.146	ng	
89) Benzo(k)fluoranthene	15.092	252	24182m	667.008	ng	
90) Benzo(a)pyrene	15.433	252	30812	926.300	ng	# 94
91) Dibenzo(a,h)anthracene	16.992	278	11057m	292.479	ng	
92) Benzo(g,h,i)perylene	17.439	276	19929	534.761	ng	# 84

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

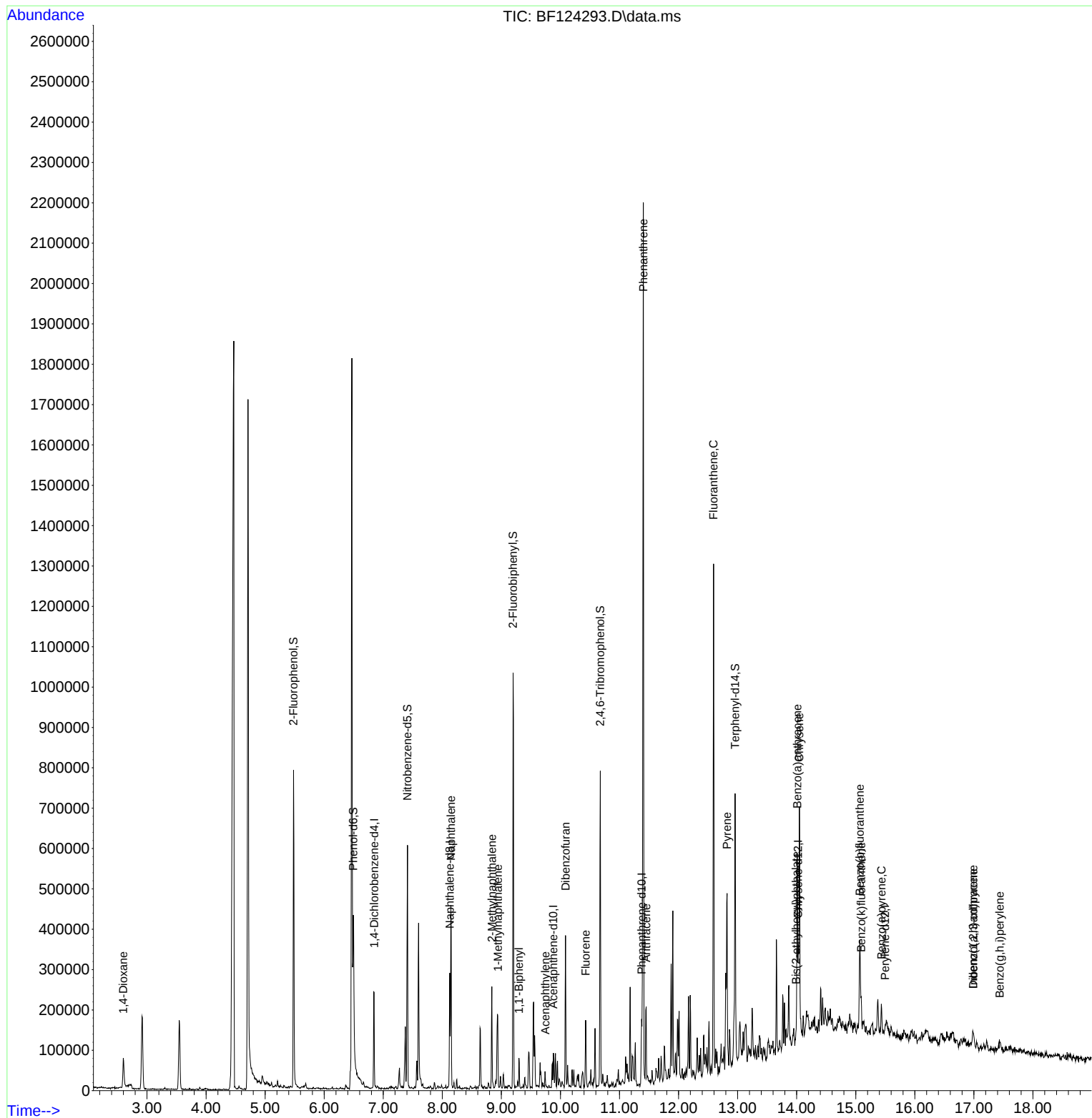
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
Data File : BF124293.D
Acq On : 12 Jun 2021 18:51
Operator : JU/CG
Sample : M2691-02
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ALS Vial : 17 Sample Multiplier: 1

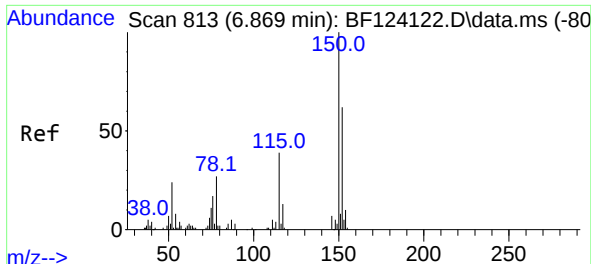
Instrument :
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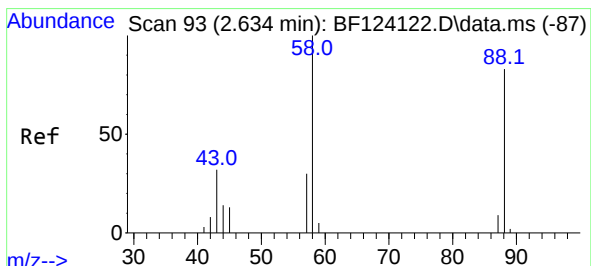
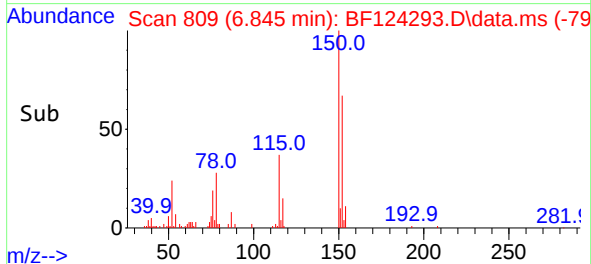
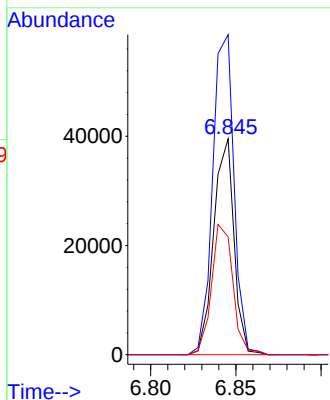
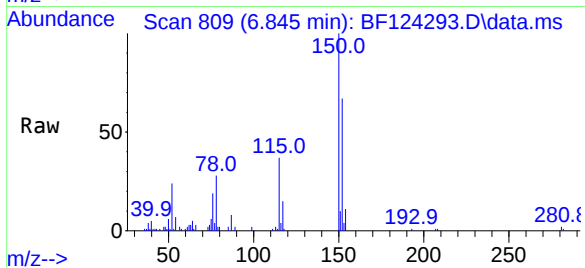
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

Tgt Ion:	152	Resp:	32738
Ion	Ratio	Lower	Upper
152	100		
150	148.3	127.0	190.6
115	54.6	54.3	81.5

Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208

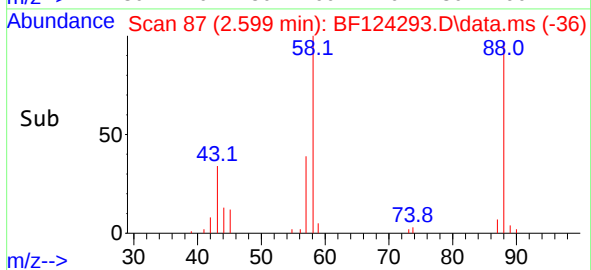
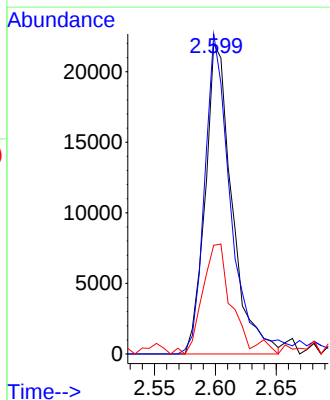
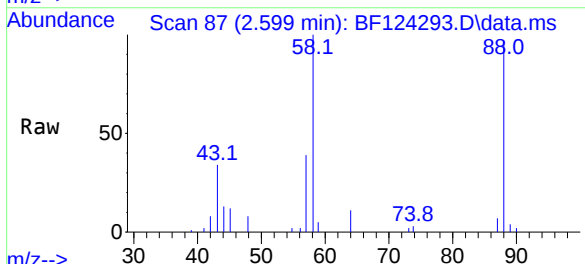
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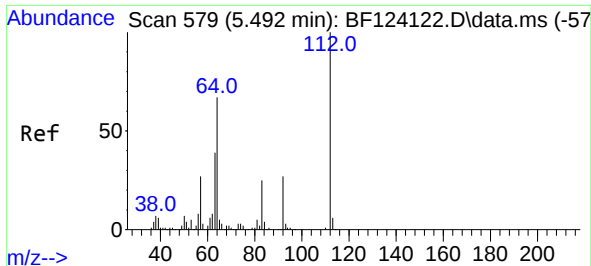
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#2
1,4-Dioxane
Concen: 35.312 ng
RT: 2.599 min Scan# 87
Delta R.T. 0.000 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

Tgt Ion:	88	Resp:	33608
Ion	Ratio	Lower	Upper
88	100		
58	100.5	83.8	125.8
43	37.3	32.2	48.4





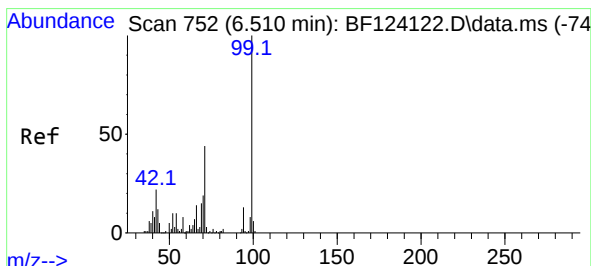
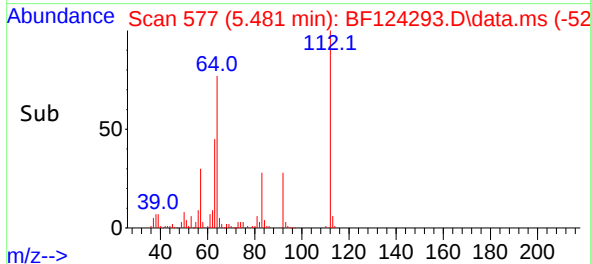
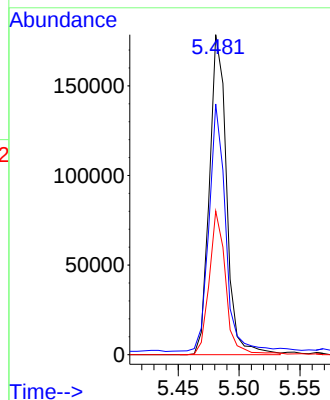
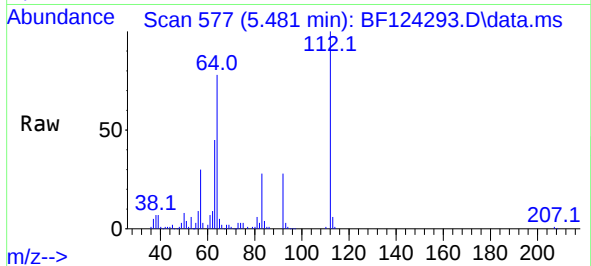
#5
2-Fluorophenol
Concen: 80.344 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

Tgt Ion:	112	Resp:	174731
Ion Ratio	Lower	Upper	
112	100		
64	78.4	61.4	92.0
63	44.9	33.0	49.4

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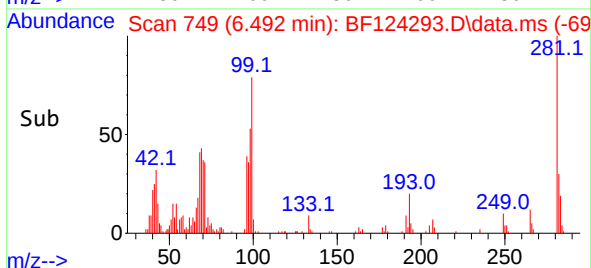
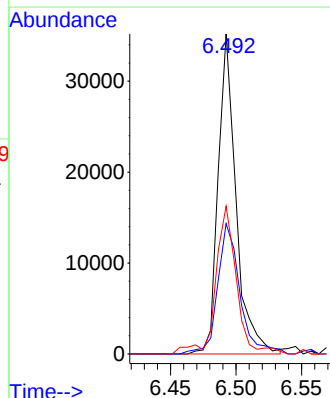
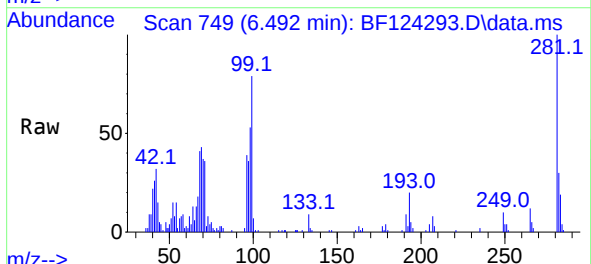
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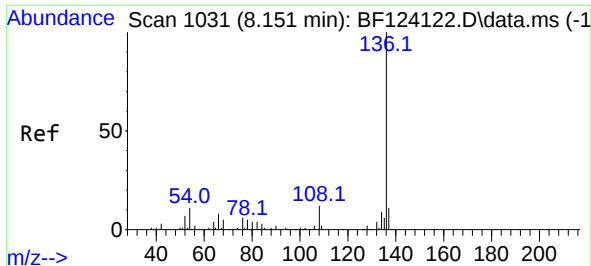
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#7
Phenol-d6
Concen: 11.421 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

Tgt Ion:	99	Resp:	33385
Ion Ratio	Lower	Upper	
99	100		
42	40.7	19.8	29.8
71	46.2	31.1	46.7





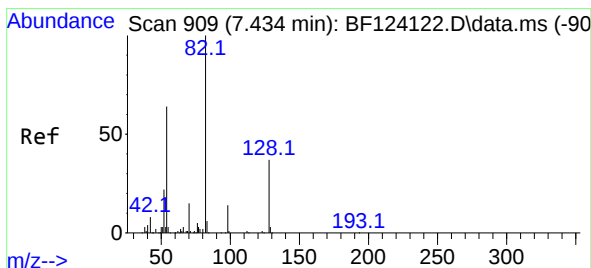
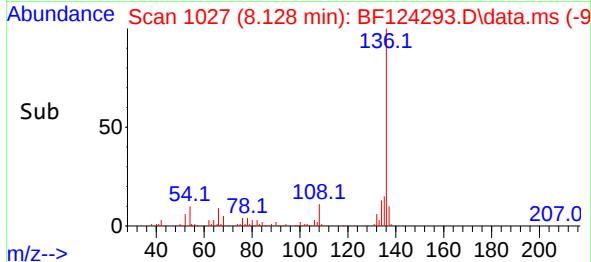
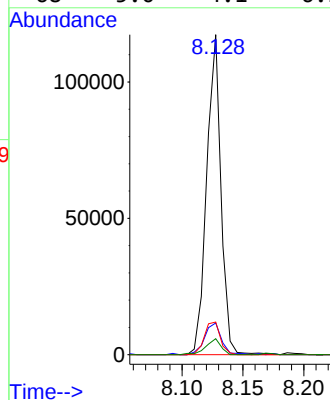
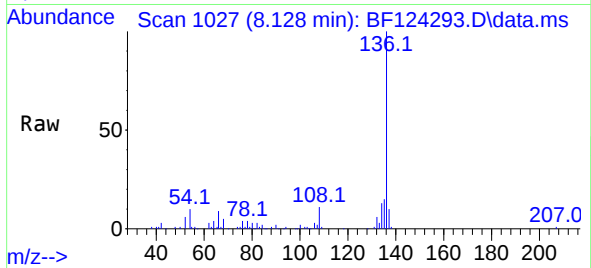
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

Tgt Ion:	136	Resp:	95434
Ion	Ratio	Lower	Upper
136	100		
137	9.9	8.7	13.1
54	10.2	9.8	14.6
68	5.0	4.1	6.1

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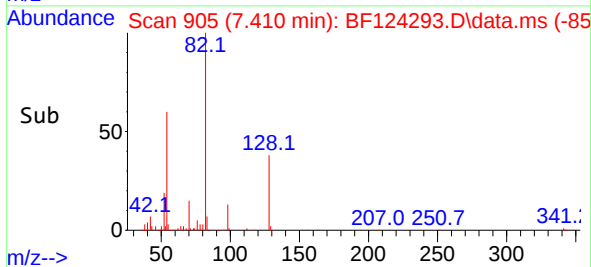
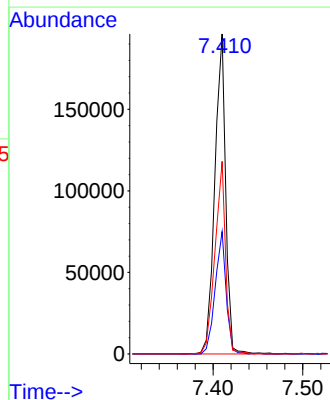
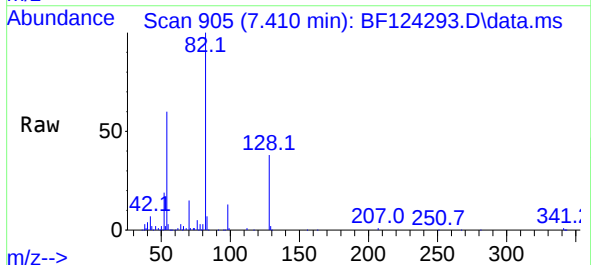
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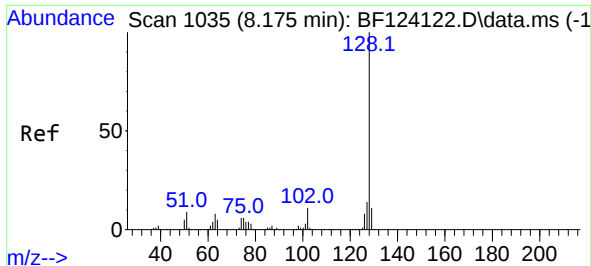
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#23
Nitrobenzene-d5
Concen: 68.666 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

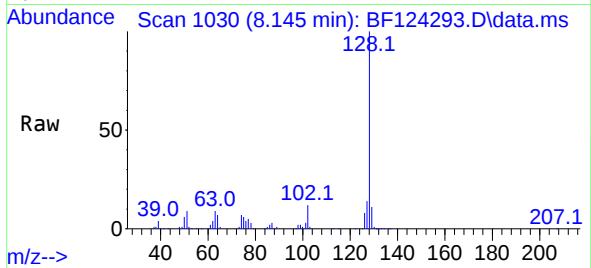
Tgt Ion:	82	Resp:	165225
Ion	Ratio	Lower	Upper
82	100		
128	38.3	29.4	44.2
54	60.2	54.1	81.1





#31
Naphthalene
Concen: 29.776 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

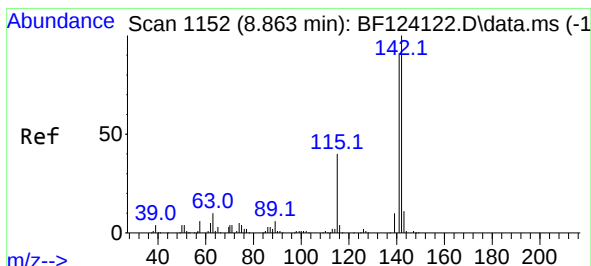
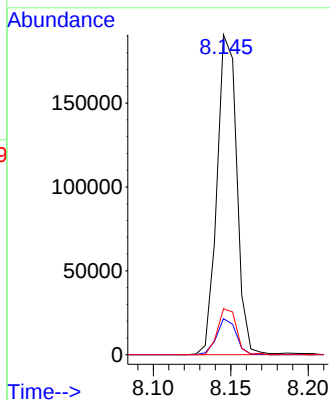
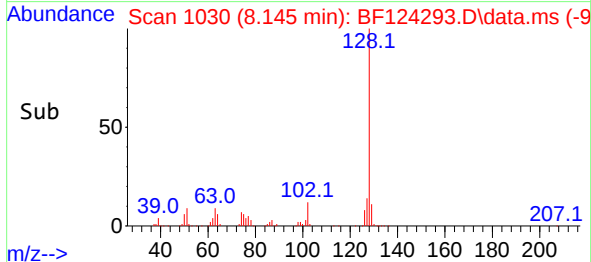
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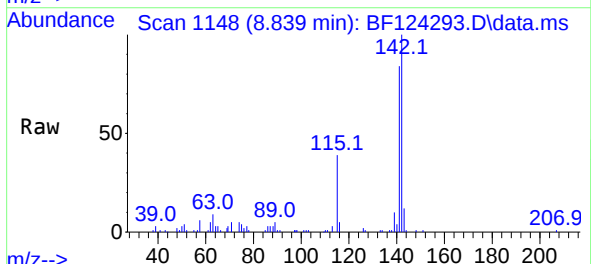
Tgt Ion:128 Resp: 169895
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 14.4 10.8 16.2

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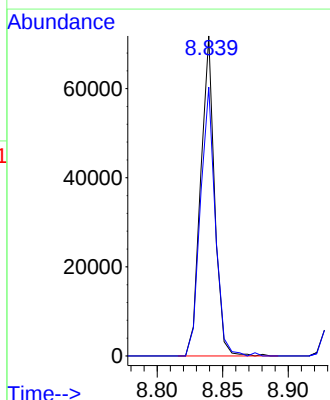
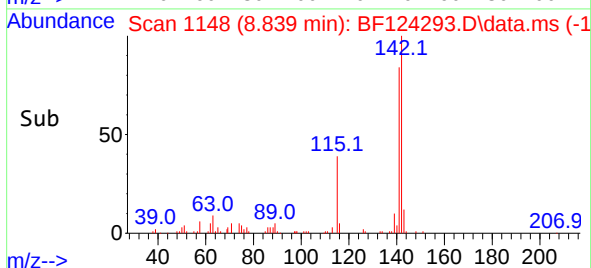
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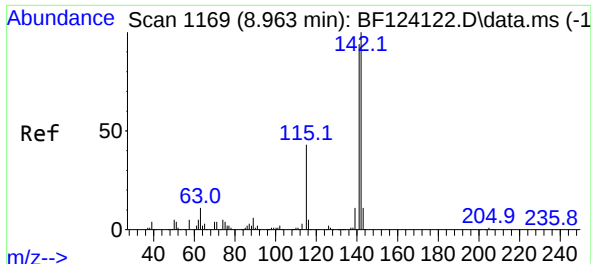


#37
2-Methylnaphthalene
Concen: 13.264 ng
RT: 8.839 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51



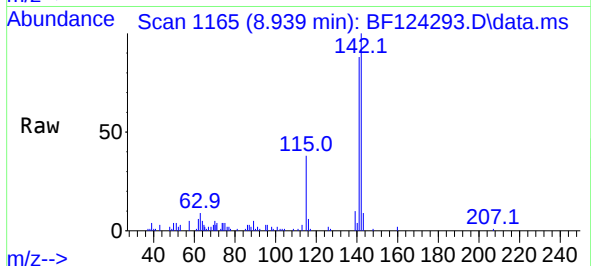
Tgt Ion:142 Resp: 53073
Ion Ratio Lower Upper
142 100
141 84.0 71.8 107.6





#38
1-Methylnaphthalene
Concen: 10.139 ng
RT: 8.939 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

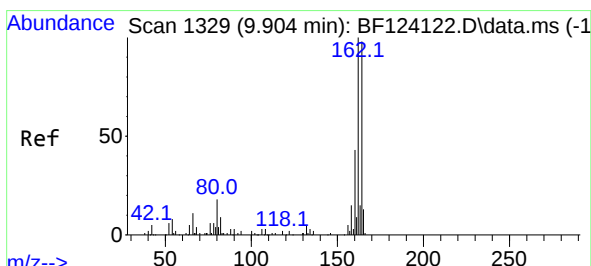
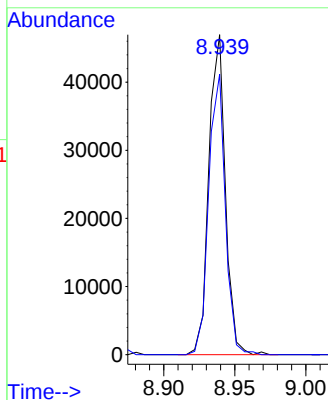
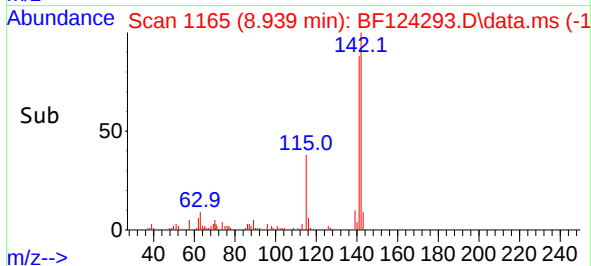
Instrument :
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ClientSampleId :
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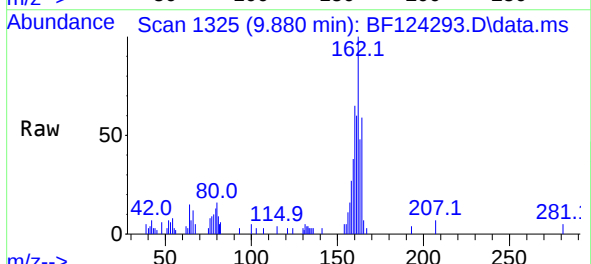
Tgt Ion:142 Resp: 37909
Ion Ratio Lower Upper
142 100
141 87.6 72.8 109.2

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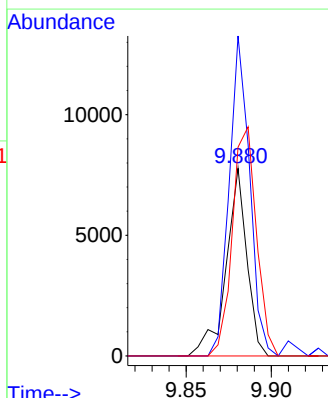
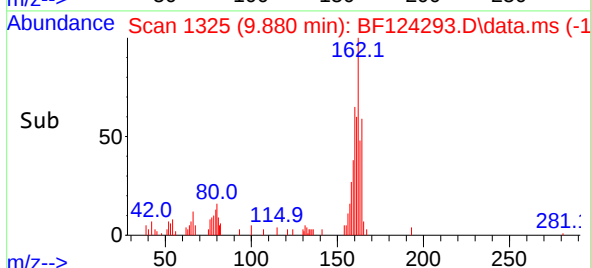
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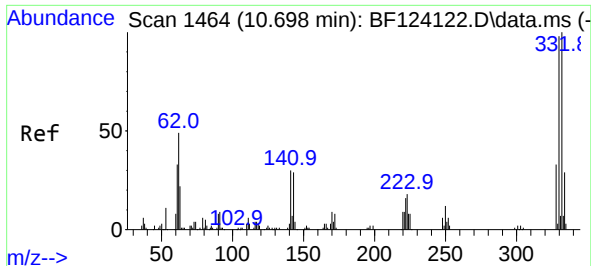


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51



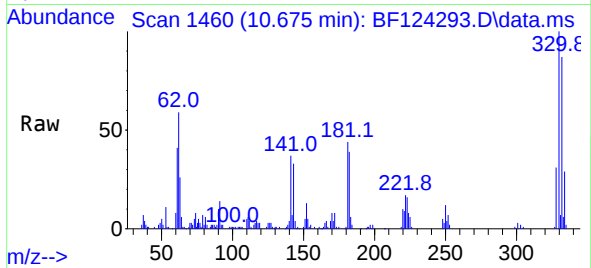
Tgt Ion:164 Resp: 6614
Ion Ratio Lower Upper
164 100
162 170.6 80.7 121.1#
160 111.3 37.3 55.9#





#42
2,4,6-Tribromophenol
Concen: 659.233 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

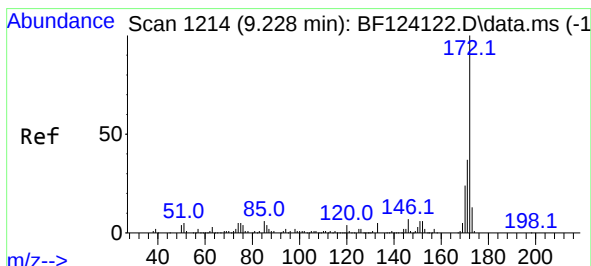
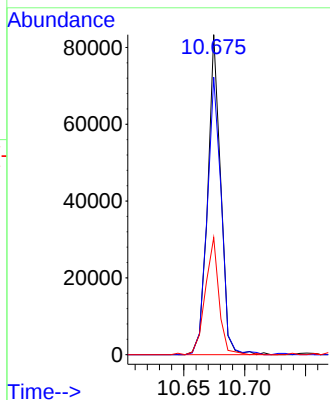
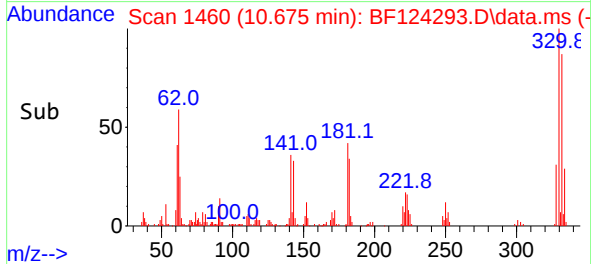
Instrument :
BNA_F
ClientSampled :
RO-VNJ-208



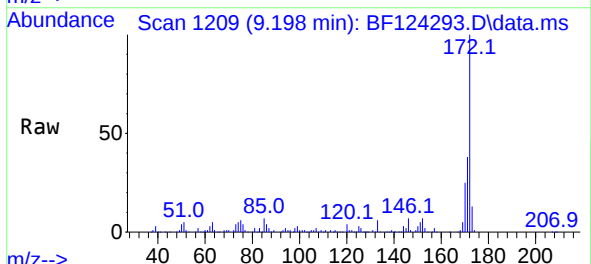
Tgt Ion:330 Resp: 61773
Ion Ratio Lower Upper
330 100
332 93.7 77.1 115.7
141 38.7 27.9 41.9

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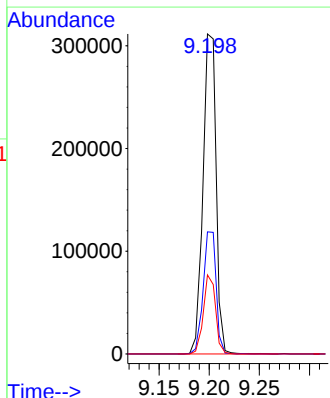
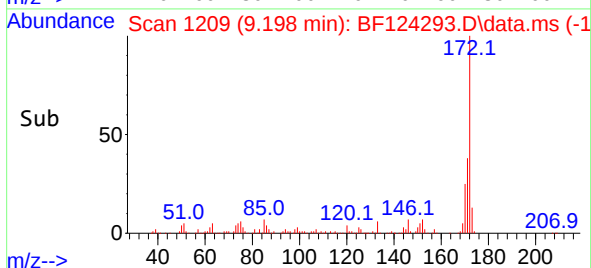
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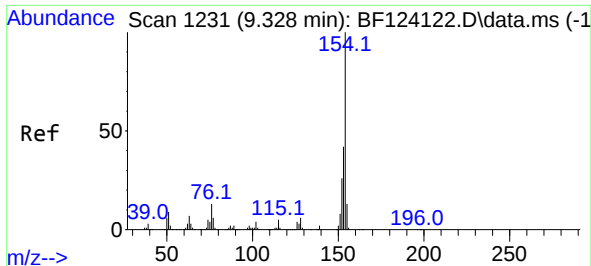


#45
2-Fluorobiphenyl
Concen: 544.562 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.012 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51



Tgt Ion:172 Resp: 286223
Ion Ratio Lower Upper
172 100
171 38.1 28.1 42.1
170 24.7 19.2 28.8





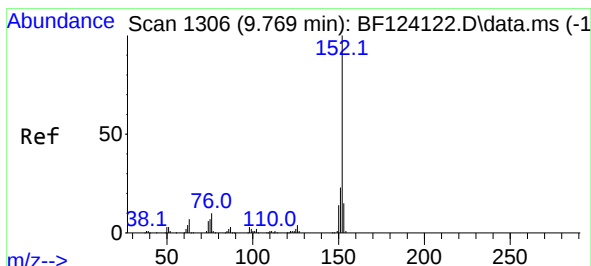
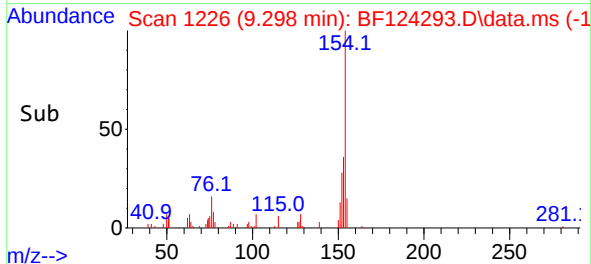
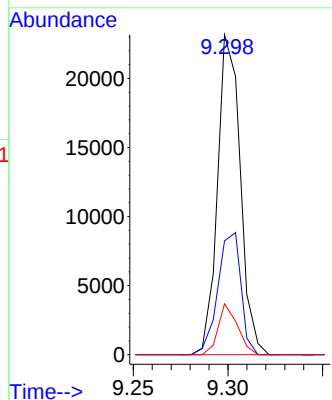
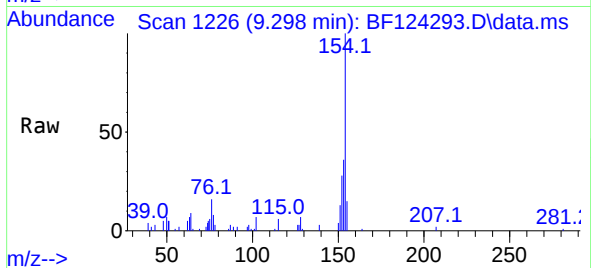
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1,1'-Biphenyl
Concen: 34.675 ng
RT: 9.298 min Scan# 1226
Delta R.T. -0.012 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

Tgt Ion:154 Resp: 19360
Ion Ratio Lower Upper
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153 35.5 20.7 60.7
76 15.9 0.0 31.7

Instrument :
BNA_F
ClientSampled :
RO-VNJ-208

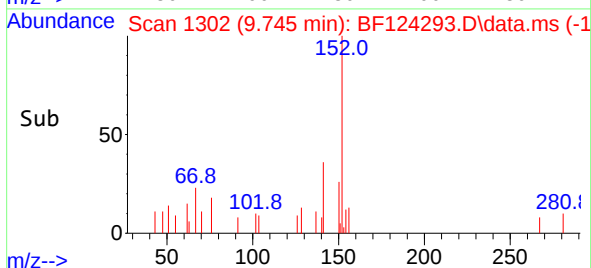
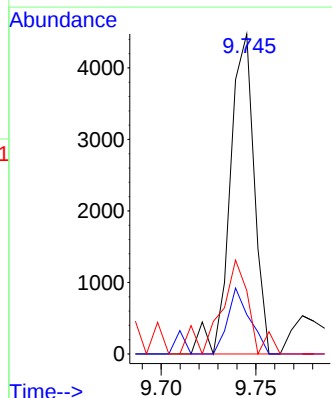
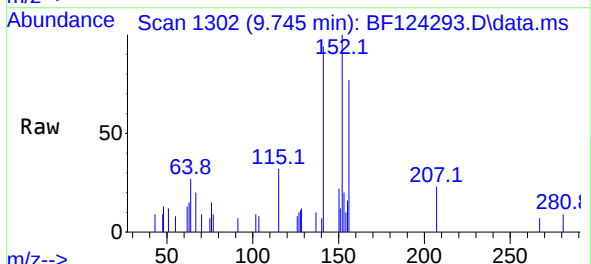
Manual Integrations
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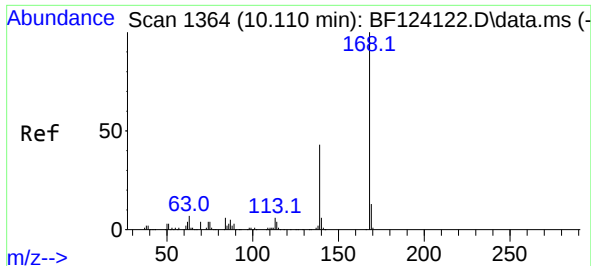
mohammad
6/14/2021 5:50:55 PM



#49
Acenaphthylene
Concen: 6.001 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

Tgt Ion:152 Resp: 3964
Ion Ratio Lower Upper
152 100
151 12.3 16.0 24.0#
153 19.8 10.4 15.6#





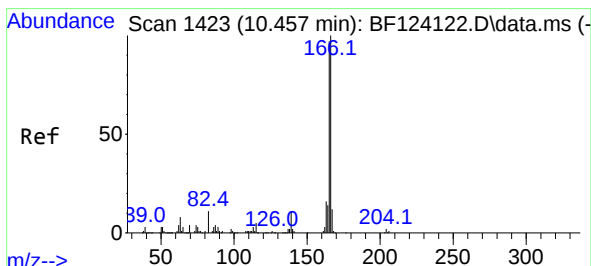
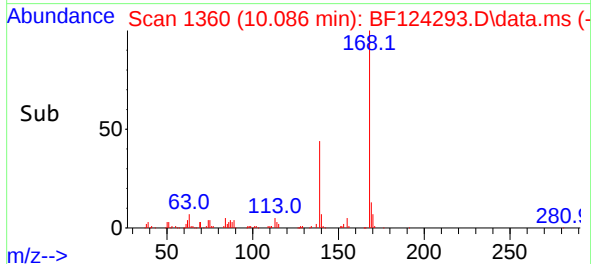
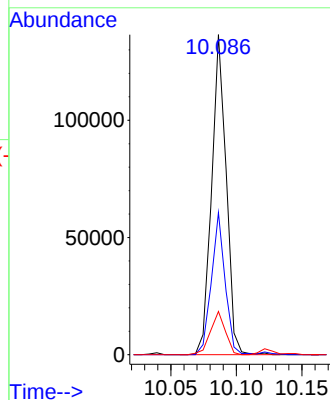
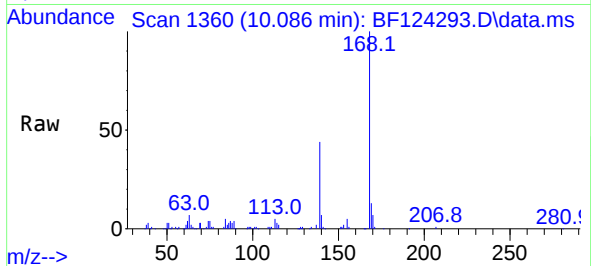
#55
Dibenzenofuran
Concen: 156.435 ng
RT: 10.086 min Scan# 1360
Delta R.T. -0.012 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

Tgt Ion:168 Resp: 105636
Ion Ratio Lower Upper
168 100
139 44.4 33.2 49.8
169 13.5 10.8 16.2

Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208

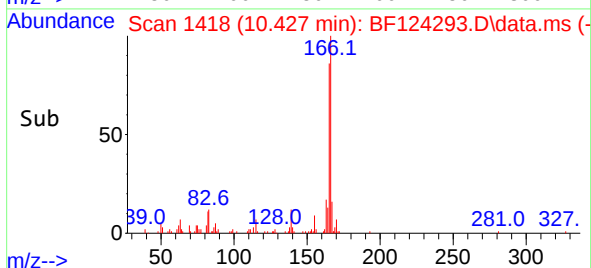
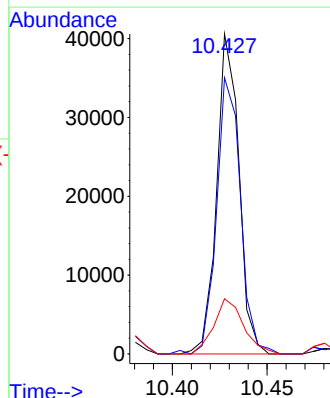
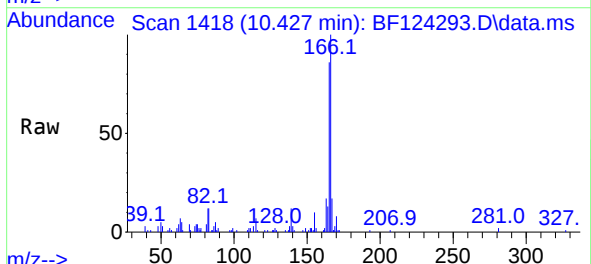
Manual Integrations
APPROVED

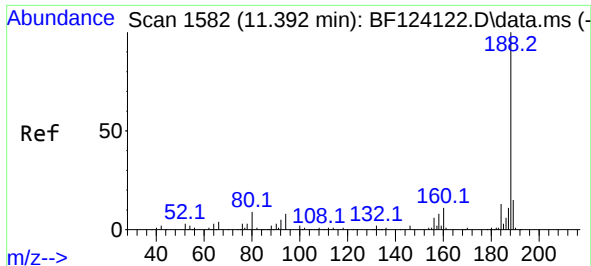
mohammad
6/14/2021 5:50:55 PM



#58
Fluorene
Concen: 63.991 ng
RT: 10.427 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

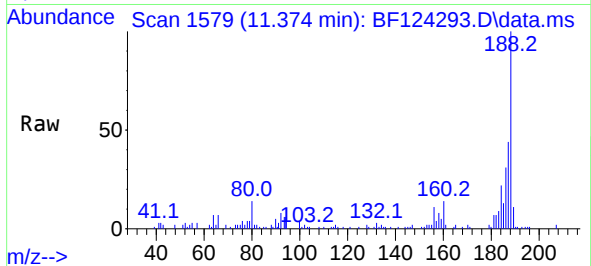
Tgt Ion:166 Resp: 33169
Ion Ratio Lower Upper
166 100
165 86.3 73.5 110.3
167 17.2 10.7 16.1#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

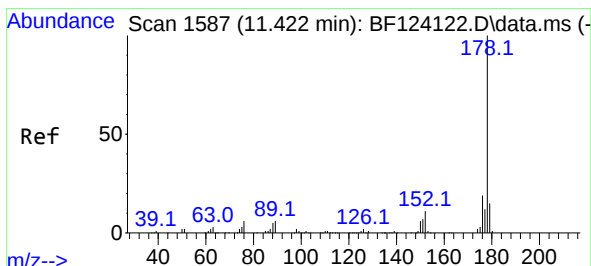
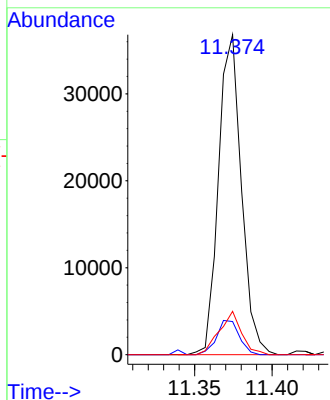
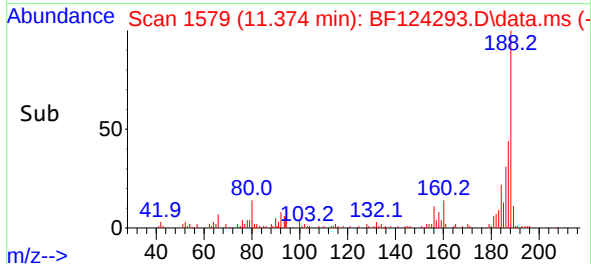
Instrument :
BNA_F
ClientSampled :
RO-VNJ-208



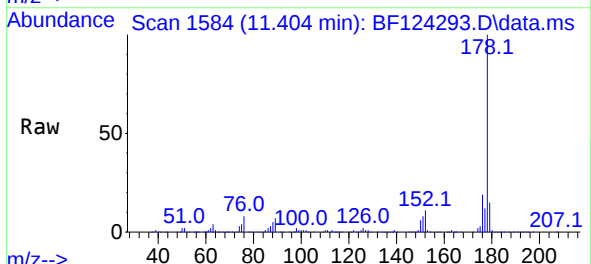
Tgt Ion:188 Resp: 37780
Ion Ratio Lower Upper
188 100
94 10.4 6.9 10.3#
80 13.6 8.2 12.2#

Manual Integrations
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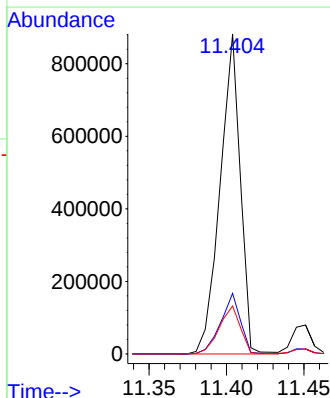
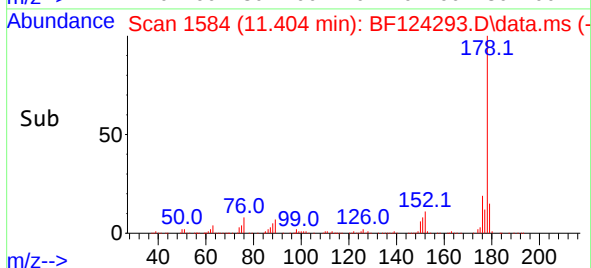
mohammad
6/14/2021 5:50:55 PM

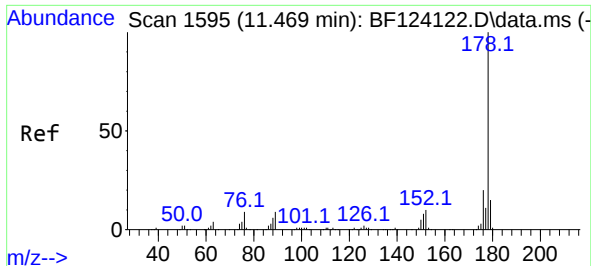


#71
Phenanthrene
Concen: 338.130 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51



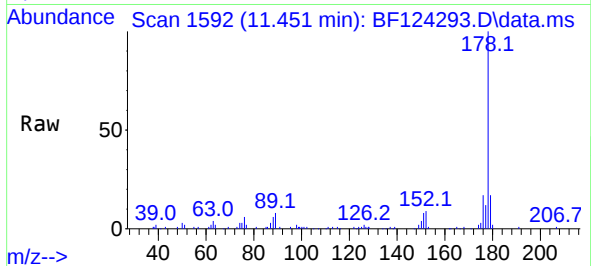
Tgt Ion:178 Resp: 798006
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 15.0 12.5 18.7





#72
 Anthracene
 Concen: 29.758 ng
 RT: 11.451 min Scan# 1592
 Delta R.T. -0.006 min
 Lab File: BF124293.D
 Acq: 12 Jun 2021 18:51

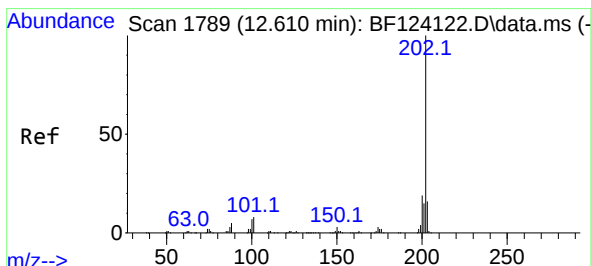
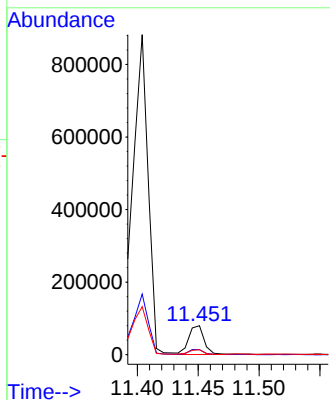
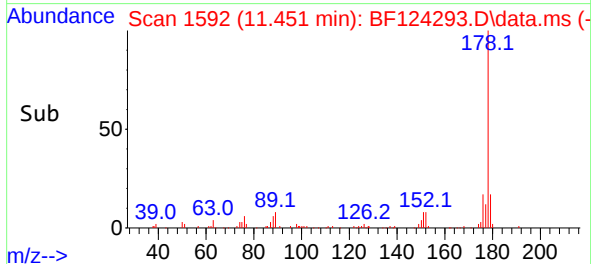
Instrument :
 BNA_F
 ClientSampleId :
 RO-VNJ-208



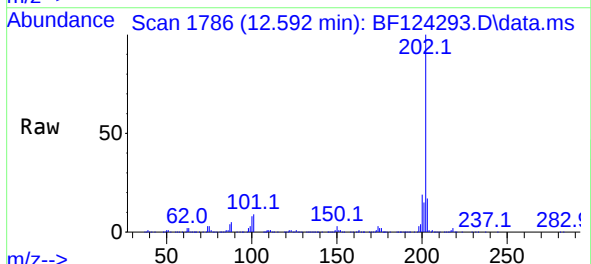
Tgt Ion:178 Resp: 70728
 Ion Ratio Lower Upper
 178 100
 176 17.3 15.4 23.0
 179 17.2 12.6 18.8

Manual Integrations
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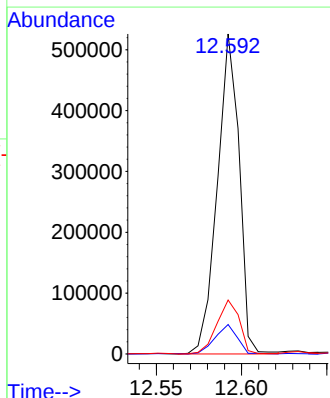
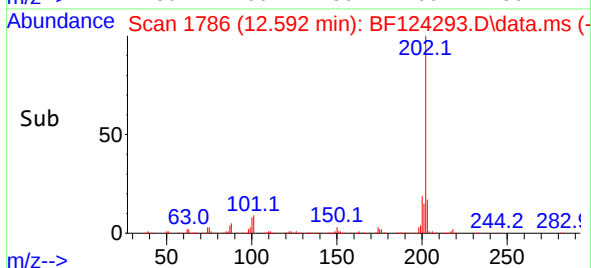
mohammad
 6/14/2021 5:50:55 PM

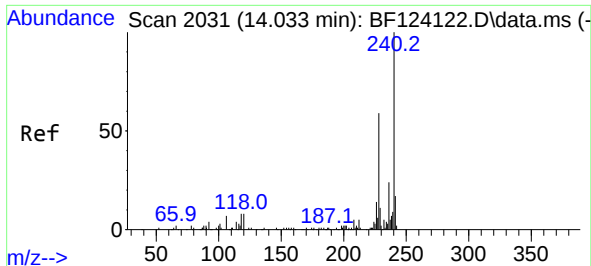


#75
 Fluoranthene
 Concen: 189.649 ng
 RT: 12.592 min Scan# 1786
 Delta R.T. 0.000 min
 Lab File: BF124293.D
 Acq: 12 Jun 2021 18:51



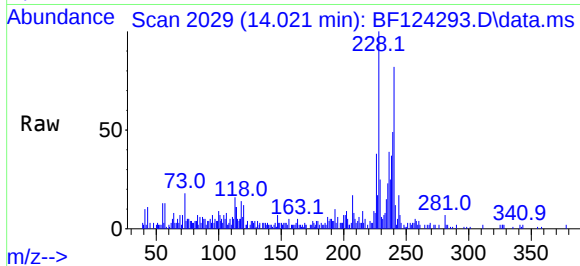
Tgt Ion:202 Resp: 469815
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 30.9
 203 16.8 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

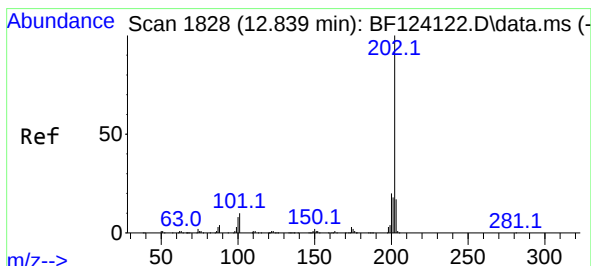
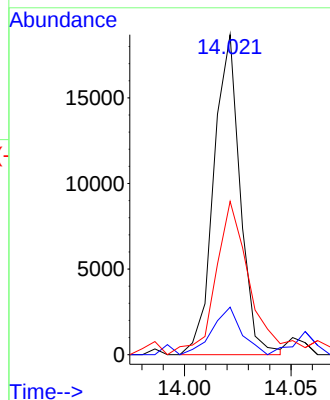
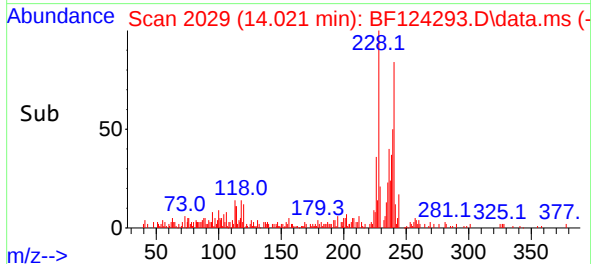
Instrument :
BNA_F
ClientSampled :
RO-VNJ-208



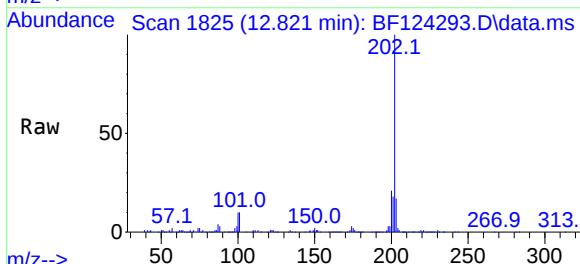
Tgt Ion:240 Resp: 16100
Ion Ratio Lower Upper
240 100
120 14.9 7.2 10.8#
236 47.9 19.0 28.4#

Manual Integrations
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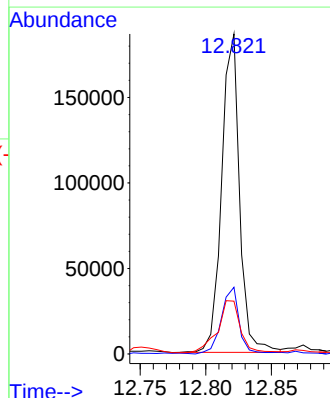
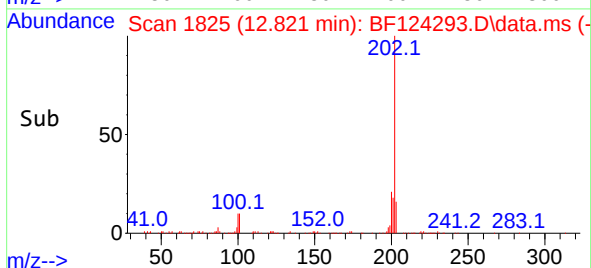
mohammad
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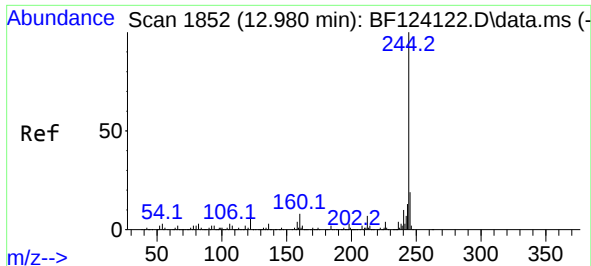


#78
Pyrene
Concen: 114.064 ng
RT: 12.821 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51



Tgt Ion:202 Resp: 176344
Ion Ratio Lower Upper
202 100
200 20.8 16.1 24.1
203 16.5 14.8 22.2





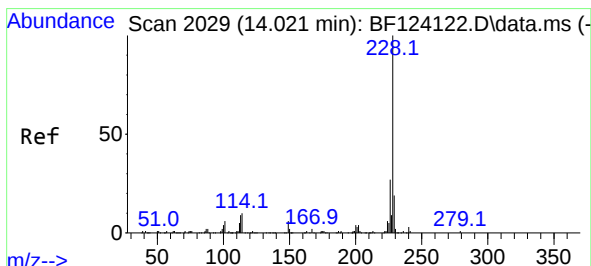
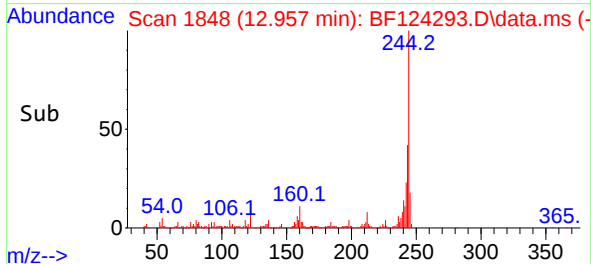
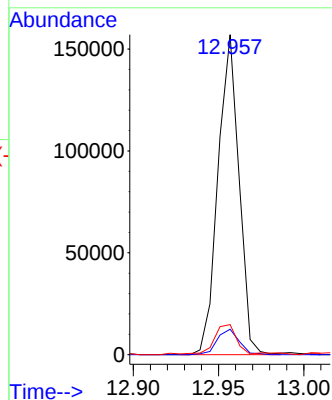
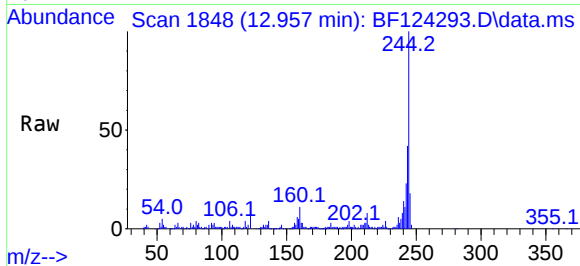
#79
Terphenyl-d14
Concen: 114.904 ng
RT: 12.957 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

Tgt Ion:244 Resp: 134742
Ion Ratio Lower Upper
244 100
212 8.0 5.7 8.5
122 9.4 9.7 14.5#

Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208

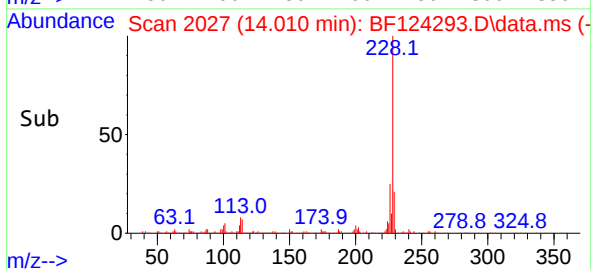
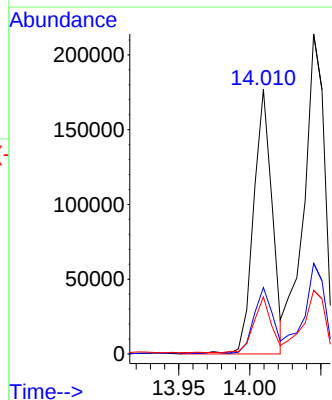
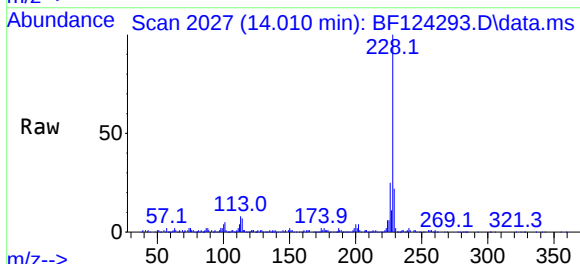
Manual Integrations
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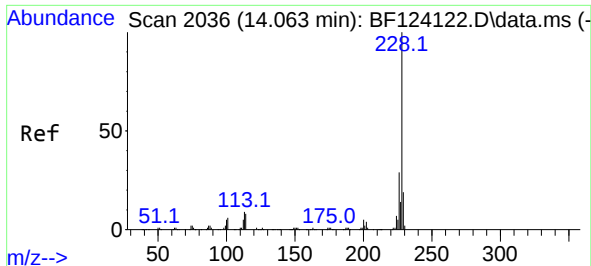
mohammad
6/14/2021 5:50:55 PM



#81
Benzo(a)anthracene
Concen: 136.594 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

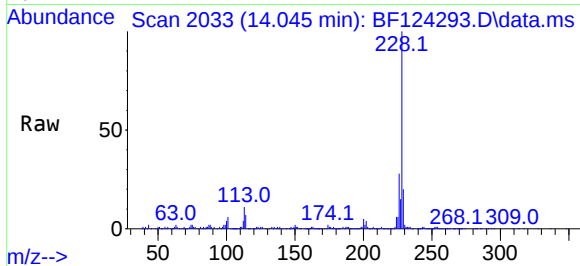
Tgt Ion:228 Resp: 160207
Ion Ratio Lower Upper
228 100
226 25.1 22.4 33.6
229 21.6 16.0 24.0





#83
Chrysene
Concen: 181.930 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

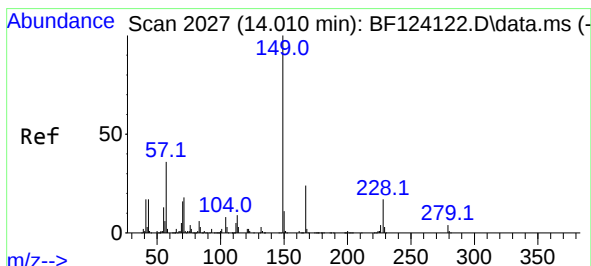
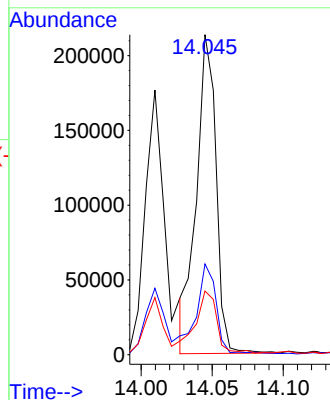
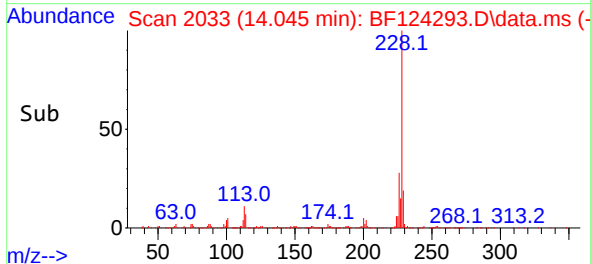
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208



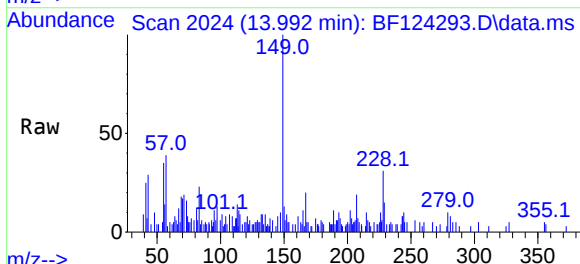
Tgt Ion:228 Resp: 205872
Ion Ratio Lower Upper
228 100
226 28.4 24.3 36.5
229 19.9 16.2 24.2

Manual Integrations
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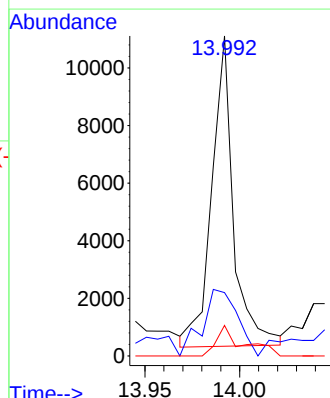
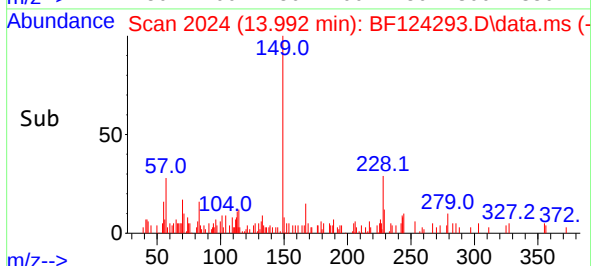
mohammad
6/14/2021 5:50:55 PM

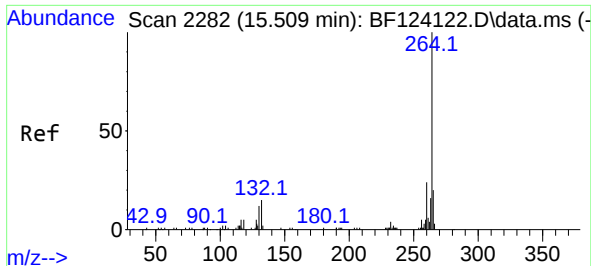


#84
Bis(2-ethylhexyl)phthalate
Concen: 11.490 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51



Tgt Ion:149 Resp: 8572
Ion Ratio Lower Upper
149 100
167 19.8 21.8 32.6#
279 9.5 3.3 4.9#





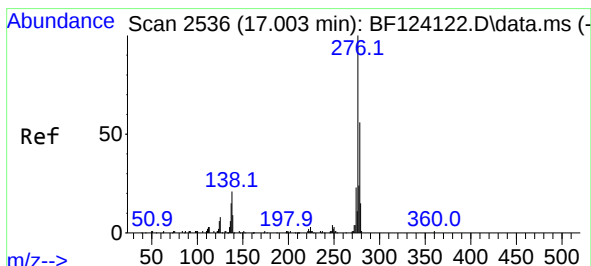
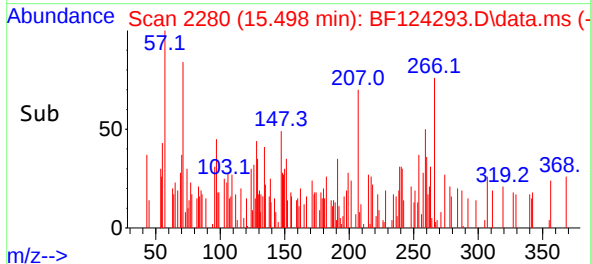
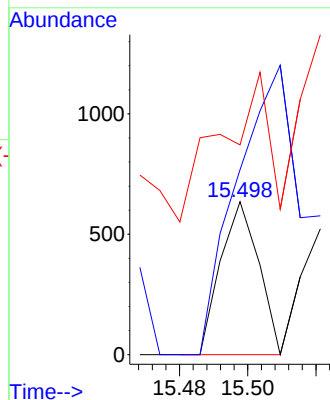
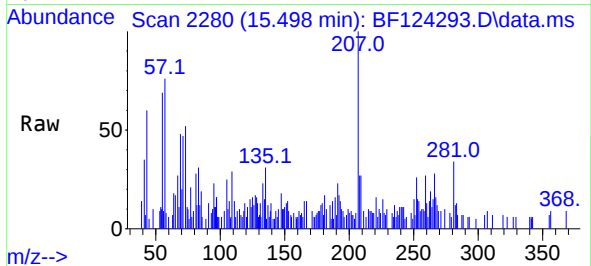
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

Tgt Ion:	264	Resp:	493
Ion Ratio	Lower	Upper	
264	100		
260	120.9	18.7	28.1#
265	137.2	17.8	26.8#

Instrument :
BNA_F
ClientSampled :
RO-VNJ-208

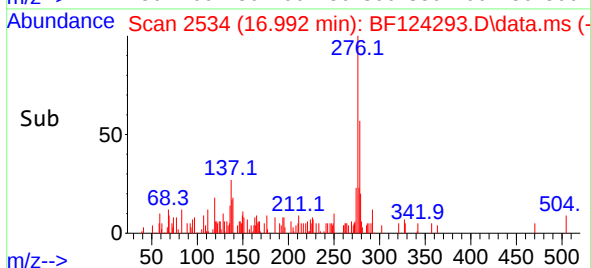
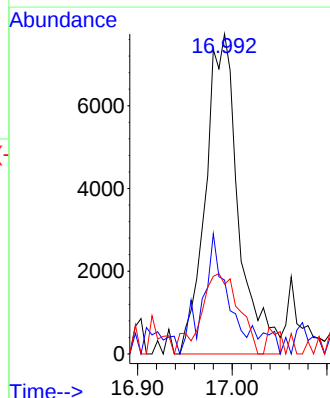
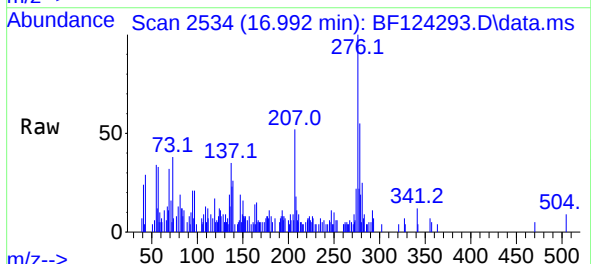
Manual Integrations
APPROVED

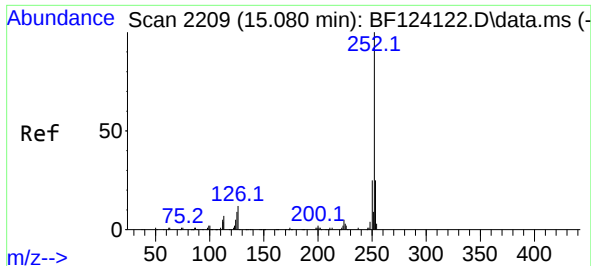
mohammad
6/14/2021 5:50:55 PM



#87
Indeno(1,2,3-cd)pyrene
Concen: 417.586 ng
RT: 16.992 min Scan# 2534
Delta R.T. 0.012 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

Tgt Ion:	276	Resp:	18640
Ion Ratio	Lower	Upper	
276	100		
138	27.6	16.2	24.2#
277	29.1	20.1	30.1





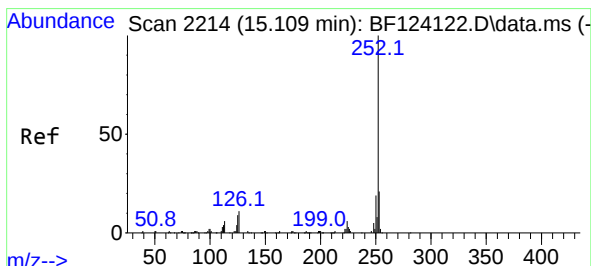
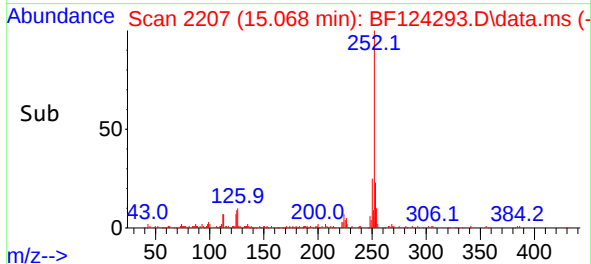
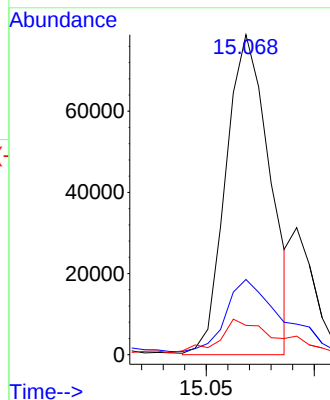
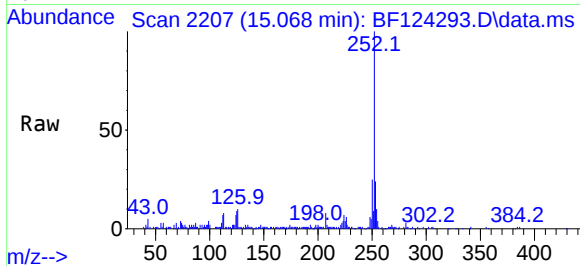
#88
Benzo(b)fluoranthene
Concen: 2920.146 ng m
RT: 15.068 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

Tgt Ion:252 Resp: 111832
Ion Ratio Lower Upper
252 100
253 23.5 18.1 27.1
125 9.2 6.2 9.4

Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208

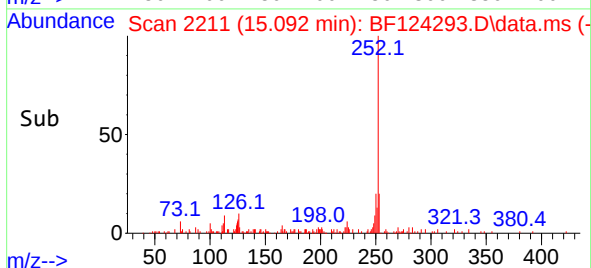
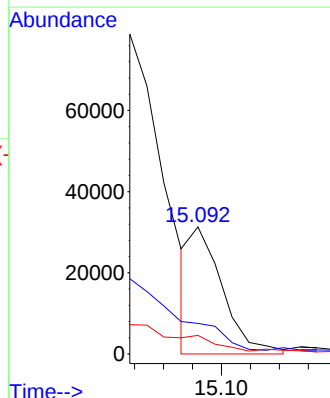
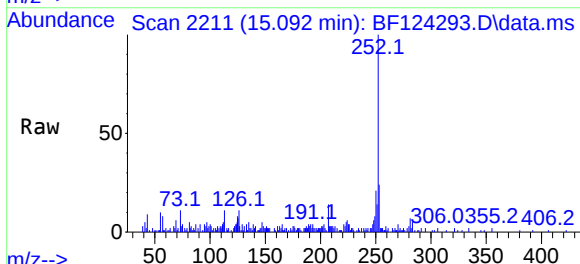
Manual Integrations
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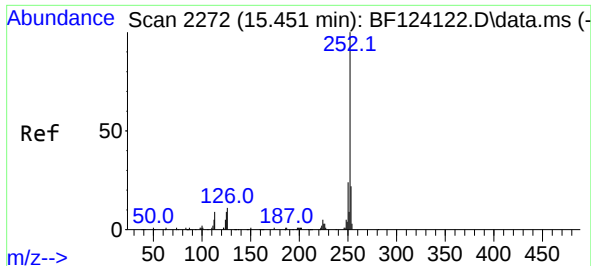
mohammad
6/14/2021 5:50:55 PM



#89
Benzo(k)fluoranthene
Concen: 667.008 ng m
RT: 15.092 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

Tgt Ion:252 Resp: 24182
Ion Ratio Lower Upper
252 100
253 24.1 17.9 26.9
125 7.7 7.0 10.6





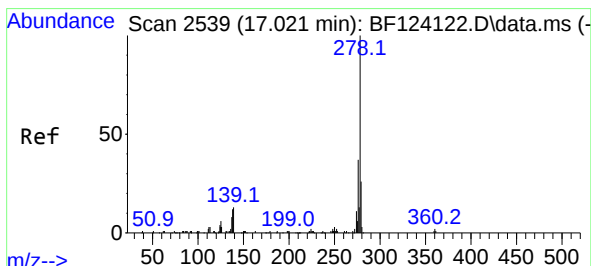
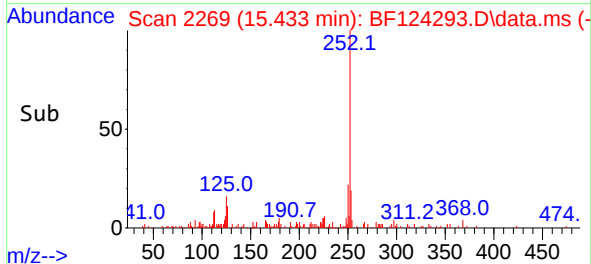
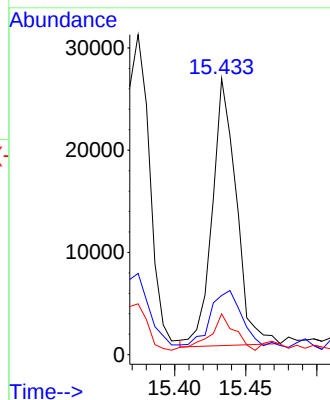
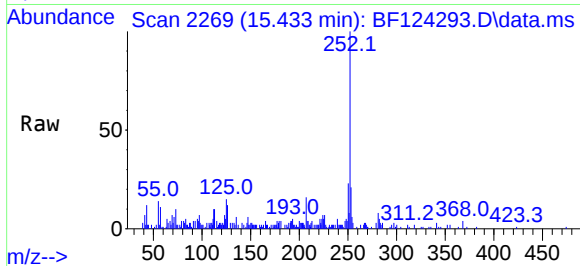
#90
Benzo(a)pyrene
Concen: 926.300 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

Tgt Ion:	252	Resp:	30812
Ion Ratio	Lower	Upper	
252	100		
253	21.4	18.4	27.6
125	14.8	8.0	12.0#

Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208

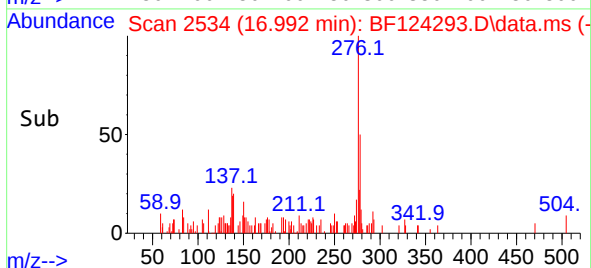
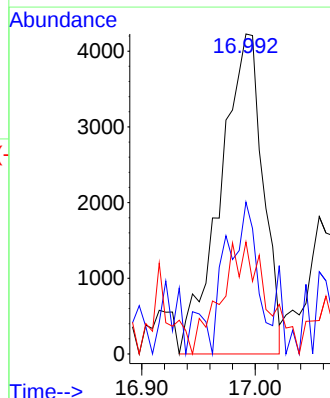
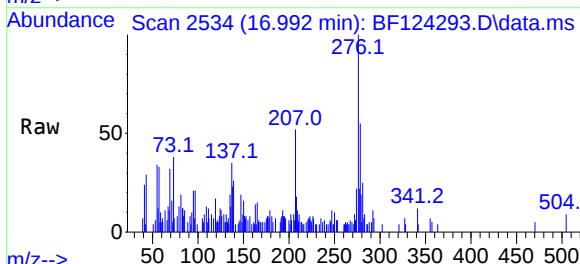
Manual Integrations
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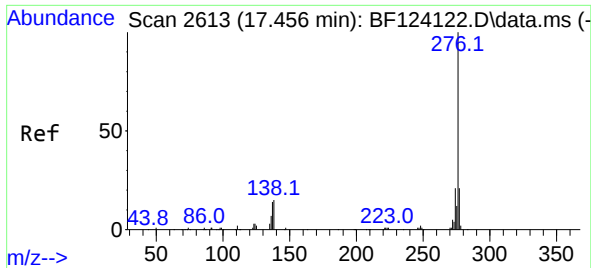
mohammad
6/14/2021 5:50:55 PM



#91
Dibenzo(a,h)anthracene
Concen: 292.479 ng m
RT: 16.992 min Scan# 2534
Delta R.T. 0.000 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

Tgt Ion:	278	Resp:	11057
Ion Ratio	Lower	Upper	
278	100		
139	47.4	10.2	15.2#
279	35.0	19.4	29.0#





#92
Benzo(g,h,i)perylene
Concen: 534.761 ng
RT: 17.439 min Scan# 2610
Delta R.T. 0.006 min
Lab File: BF124293.D
Acq: 12 Jun 2021 18:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.0	18.2	27.2#
138	23.1	13.8	20.6#

Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208

Manual Integrations
APPROVED

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