

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070221\
 Data File : BF124528.D
 Acq On : 2 Jul 2021 20:35
 Operator : JU/CG
 Sample : M2913-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-2500

Manual Integrations
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7/7/2021 11:35:21 AM

Quant Time: Jul 03 01:45:41 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 02 14:41:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.669	152	35528	20.00	ng	0.00
21) Naphthalene-d8	7.951	136	129110	20.00	ng	# 0.00
39) Acenaphthene-d10	9.704	164	63634	20.00	ng	0.00
64) Phenanthrene-d10	11.192	188	97252	20.00	ng	# 0.00
76) Chrysene-d12	13.839	240	84367	20.00	ng	# 0.00
86) Perylene-d12	15.263	264	56775	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	190850	84.48	ng	0.00
7) Phenol-d6	6.328	99	226140	76.67	ng	0.00
23) Nitrobenzene-d5	7.240	82	168915	54.25	ng	-0.01
42) 2,4,6-Tribromophenol	10.498	330	55127	72.51	ng	0.00
45) 2-Fluorobiphenyl	9.034	172	321406	61.87	ng	0.00
79) Terphenyl-d14	12.774	244	264084	46.88	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.739	154	17552	4.32	ng	98
55) Dibenzofuran	9.910	168	18189	2.81	ng	94
58) Fluorene	10.251	166	29362	5.90	ng	96
71) Phenanthrene	11.222	178	368269	60.07	ng	98
72) Anthracene	11.269	178	81280	13.31	ng	96
73) Carbazole	11.433	167	19433	3.65	ng	# 97
75) Fluoranthene	12.410	202	410598	66.55	ng	98
78) Pyrene	12.639	202	378704	49.18	ng	98
81) Benzo(a)anthracene	13.827	228	177884	29.24	ng	96
83) Chrysene	13.868	228	159482	26.46	ng	98
84) Bis(2-ethylhexyl)phtha...	13.810	149	13860	3.38	ng	# 90
87) Indeno(1,2,3-cd)pyrene	16.662	276	52286	11.68	ng	93
88) Benzo(b)fluoranthene	14.863	252	151847m	35.29	ng	
89) Benzo(k)fluoranthene	14.886	252	41353m	10.51	ng	
90) Benzo(a)pyrene	15.210	252	103926	27.18	ng	97
91) Dibenzo(a,h)anthracene	16.657	278	14989m	3.89	ng	
92) Benzo(g,h,i)perylene	17.080	276	51885	13.67	ng	# 93

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

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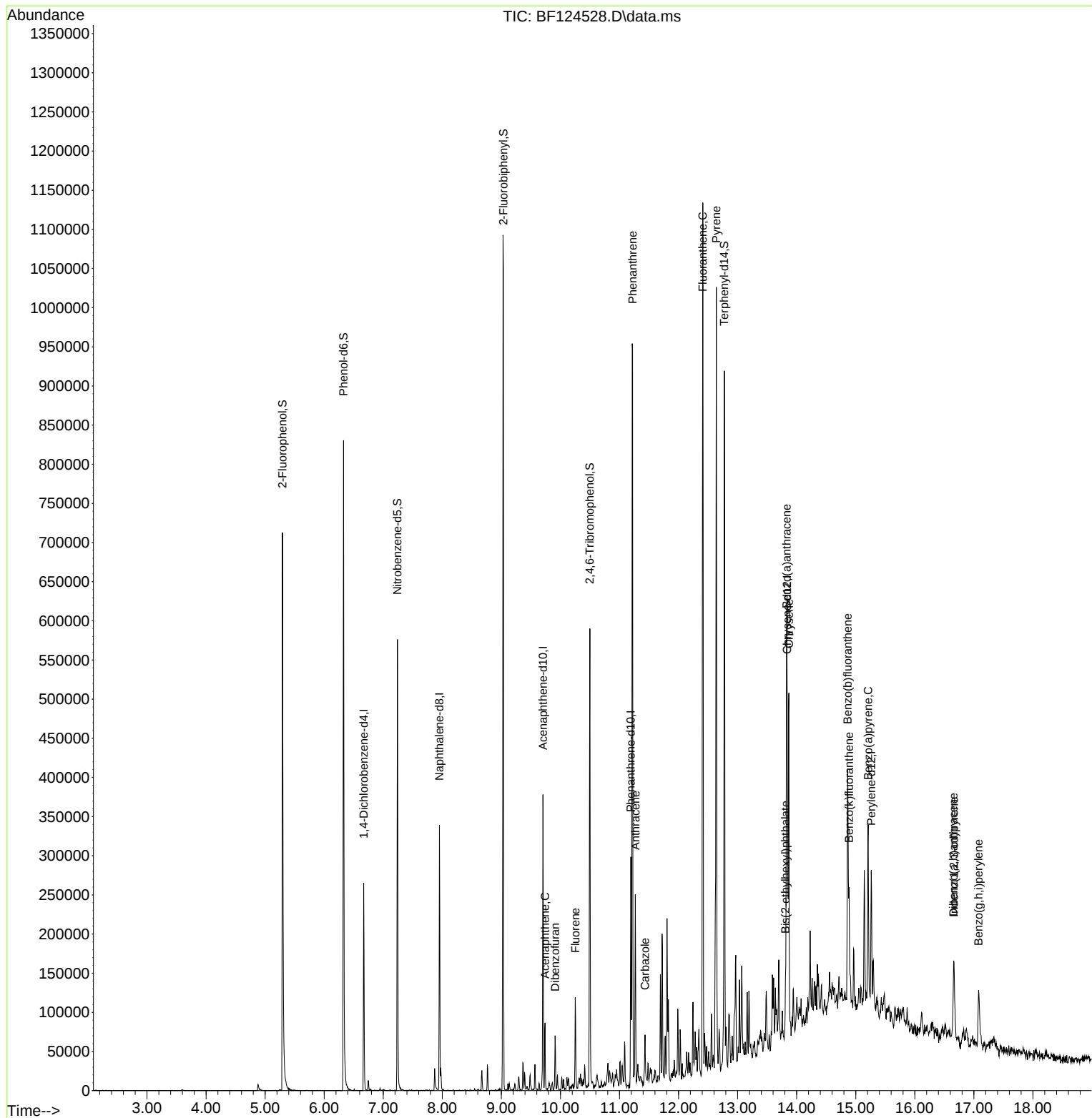
Instrument :
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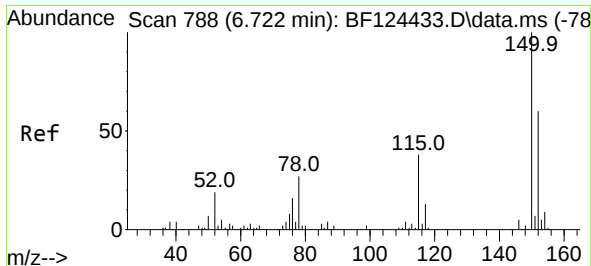
Quant Time: Jul 03 01:45:41 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062321.M
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#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.669 min Scan# 779
Delta R.T. -0.006 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

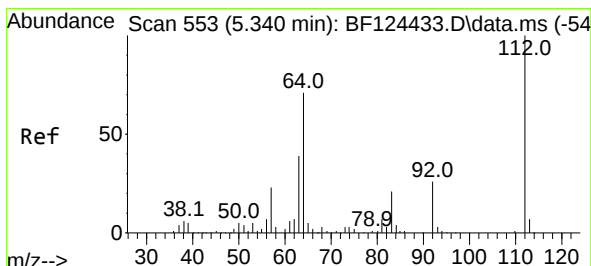
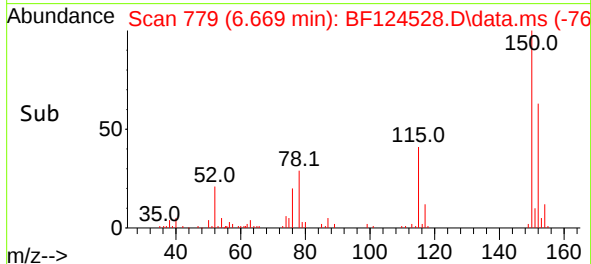
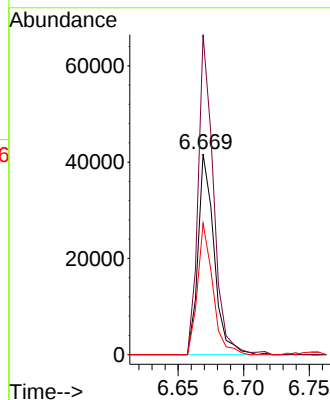
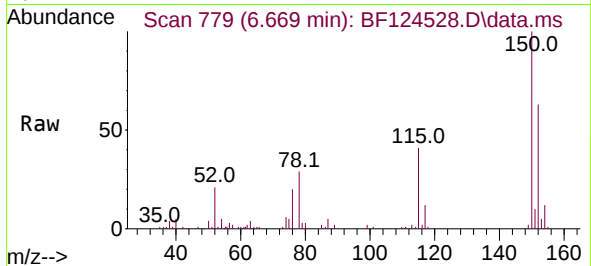
Tgt Ion:152 Resp: 35528
Ion Ratio Lower Upper
152 100
150 159.5 127.0 190.6
115 65.5 54.3 81.5

Instrument :
BNA_F
ClientSampled :
D-2500

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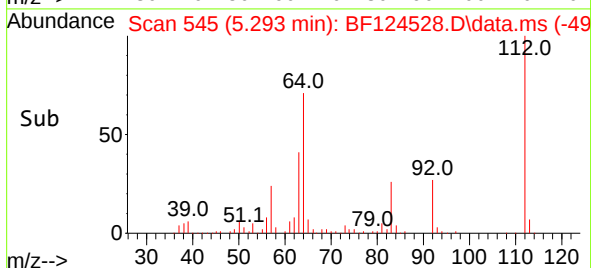
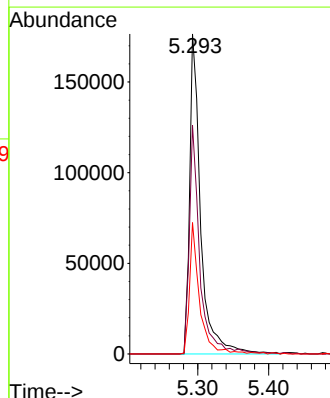
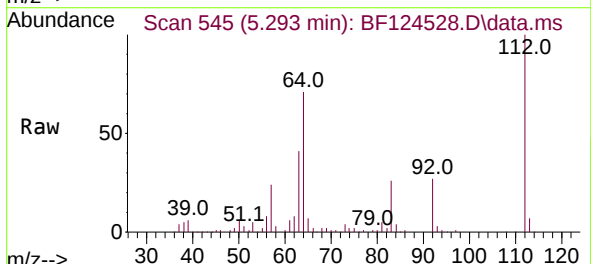
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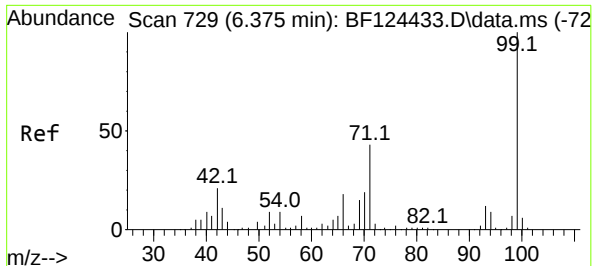
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#5
2-Fluorophenol
Concen: 84.48 ng
RT: 5.293 min Scan# 545
Delta R.T. 0.000 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Tgt Ion:112 Resp: 190850
Ion Ratio Lower Upper
112 100
64 71.4 61.4 92.0
63 41.1 33.0 49.4





#7
Phenol-d6
Concen: 76.67 ng
RT: 6.328 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

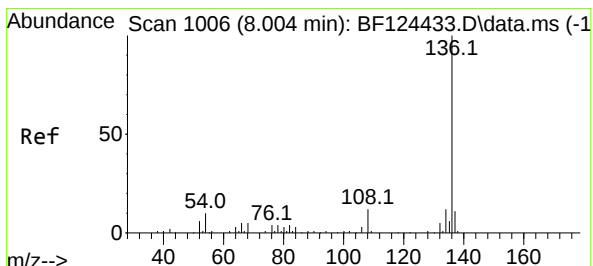
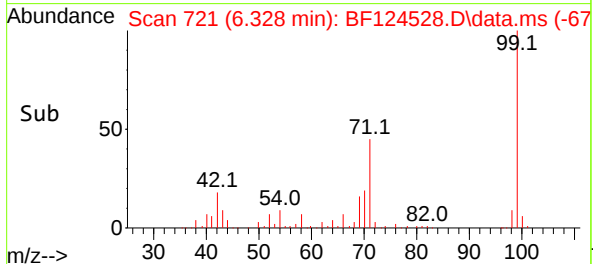
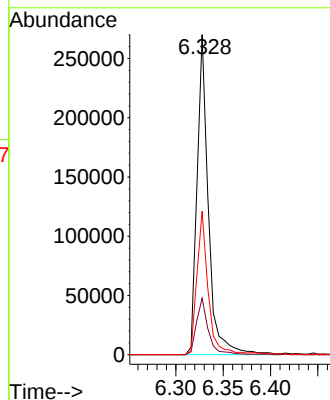
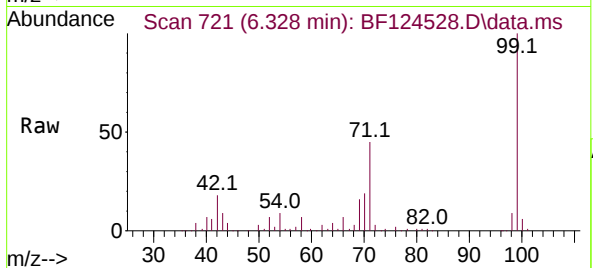
Tgt Ion: 99 Resp: 226140
Ion Ratio Lower Upper
99 100
42 17.7 19.8 29.8#
71 44.9 31.1 46.7

Instrument :
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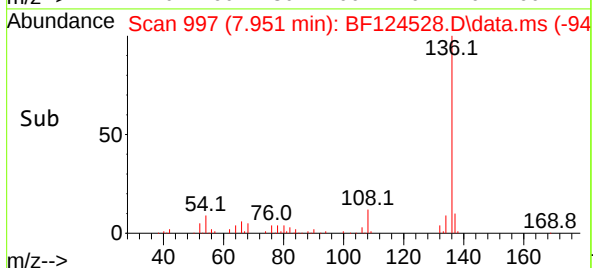
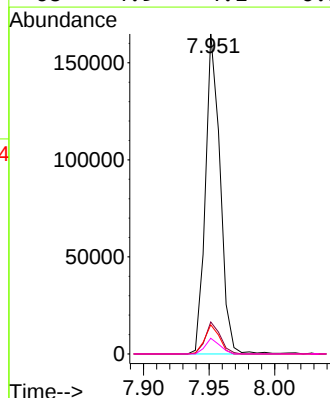
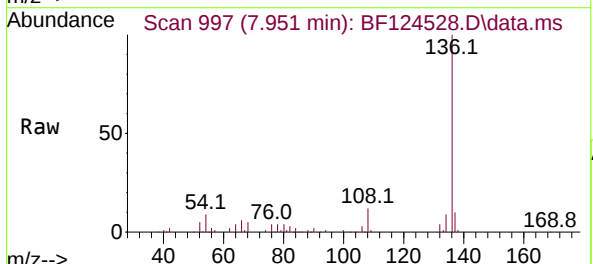
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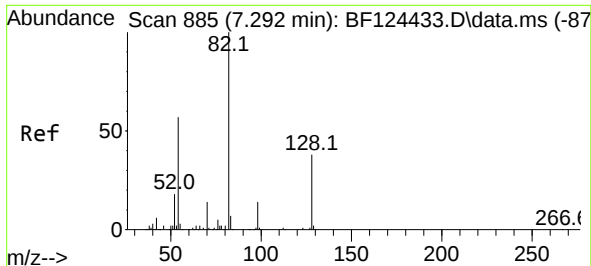
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.951 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

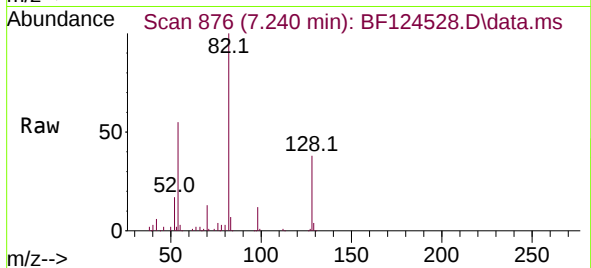
Tgt Ion: 136 Resp: 129110
Ion Ratio Lower Upper
136 100
137 10.0 8.7 13.1
54 9.1 9.8 14.6#
68 4.9 4.1 6.1





#23
Nitrobenzene-d5
Concen: 54.25 ng
RT: 7.240 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Instrument :
BNA_F
ClientSampled :
D-2500

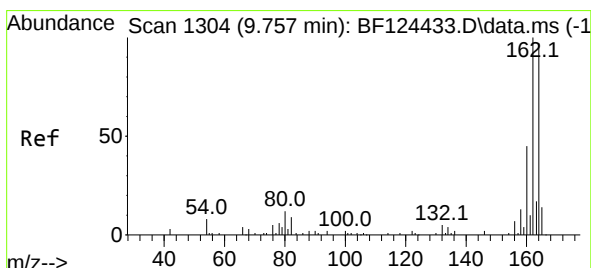
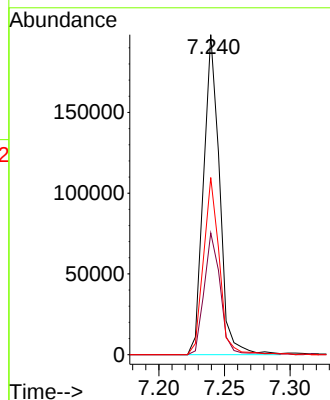
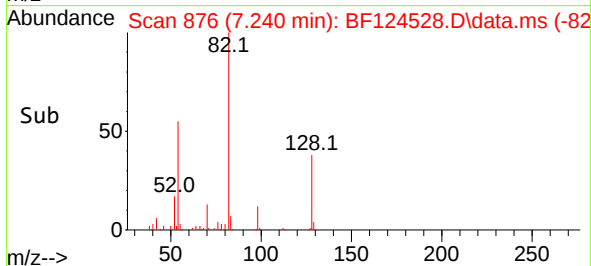


Tgt Ion: 82 Resp: 168915
Ion Ratio Lower Upper
82 100
128 38.0 29.4 44.2
54 55.3 54.1 81.1

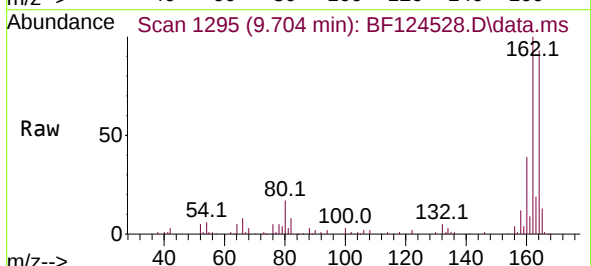
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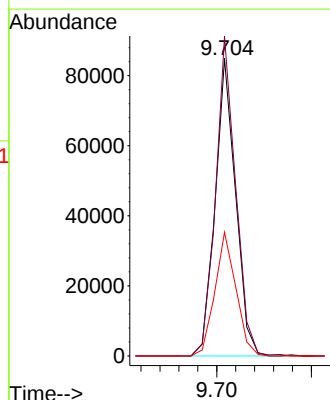
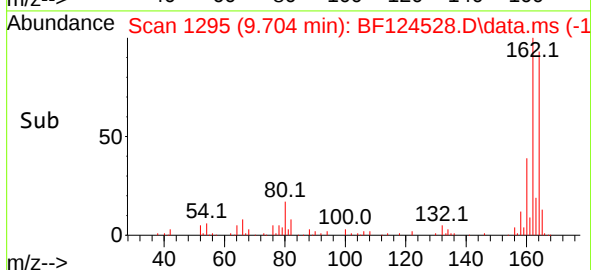
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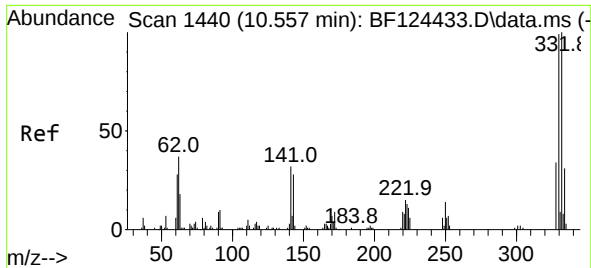


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35



Tgt Ion: 164 Resp: 63634
Ion Ratio Lower Upper
164 100
162 107.6 80.7 121.1
160 41.6 37.3 55.9





#42
2,4,6-Tribromophenol
Concen: 72.51 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

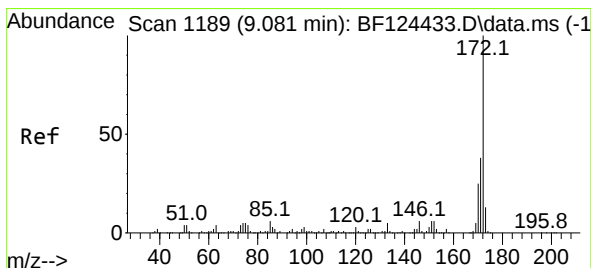
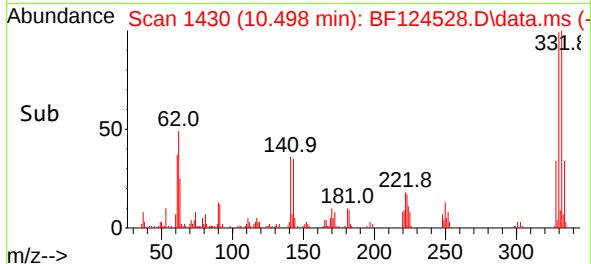
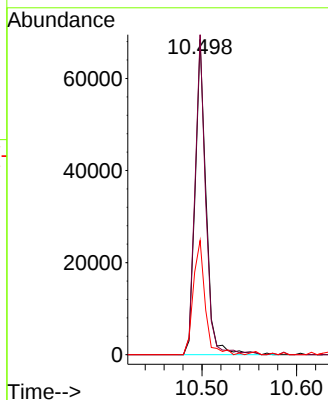
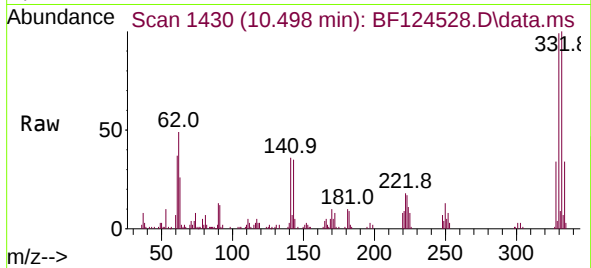
Tgt Ion:	330	Resp:	55127
Ion Ratio	Lower	Upper	
330	100		
332	99.3	77.1	115.7
141	39.2	27.9	41.9

Instrument :
BNA_F
ClientSampleId :
D-2500

Manual Integrations
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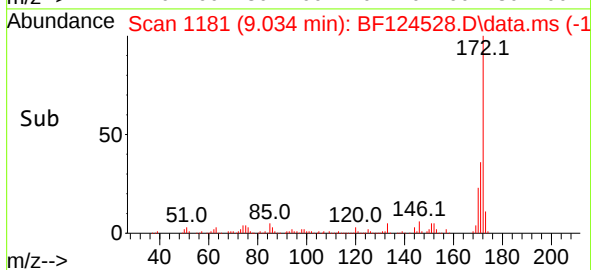
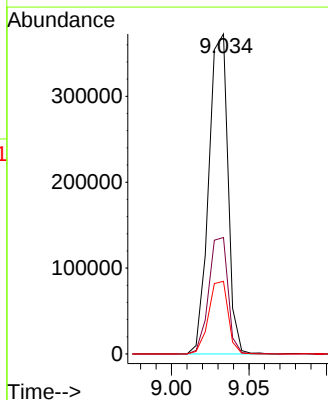
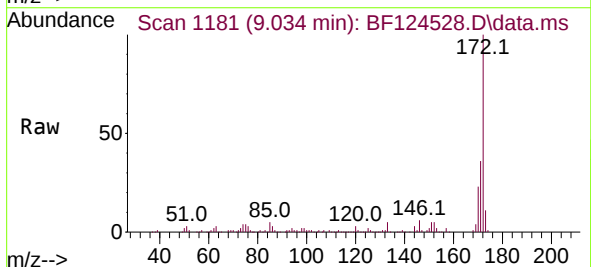
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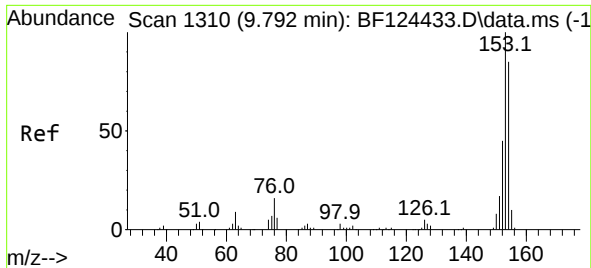
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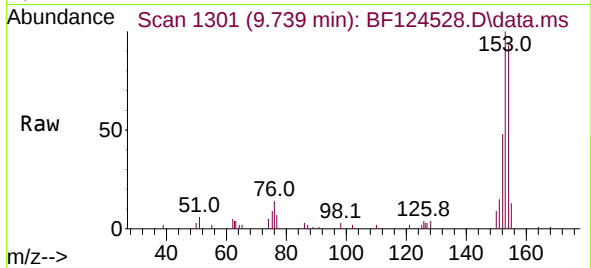
#45
2-Fluorobiphenyl
Concen: 61.87 ng
RT: 9.034 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Tgt Ion:	172	Resp:	321406
Ion Ratio	Lower	Upper	
172	100		
171	36.4	28.1	42.1
170	22.7	19.2	28.8

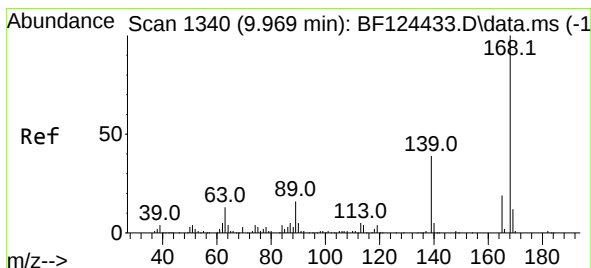
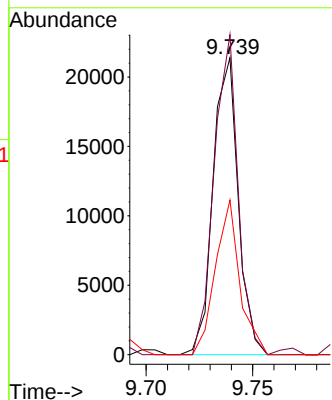
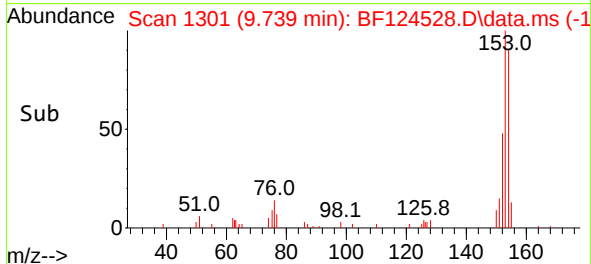




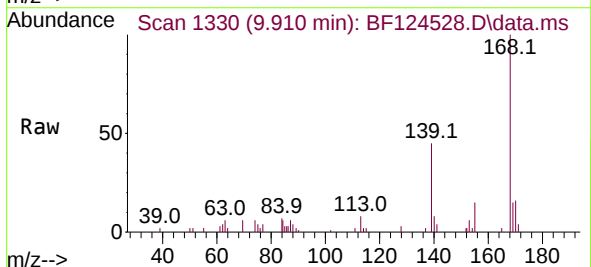
#52
Acenaphthene
Concen: 4.32 ng
RT: 9.739 min Scan# 1301
Delta R.T. -0.006 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35



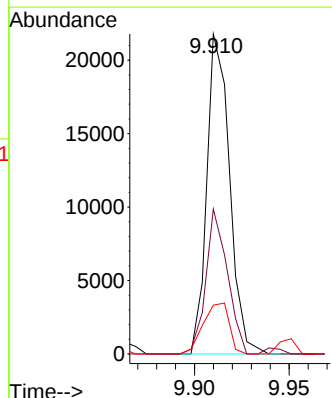
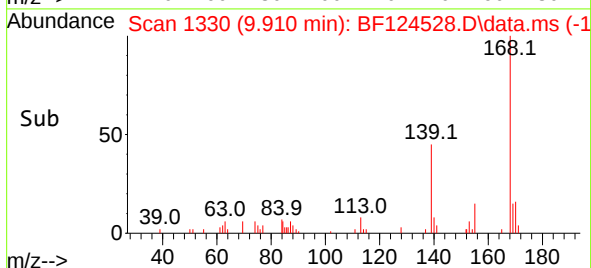
Tgt Ion:154 Resp: 17552
Ion Ratio Lower Upper
154 100
153 107.8 88.1 132.1
152 52.1 43.4 65.0



#55
Dibenzofuran
Concen: 2.81 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35



Tgt Ion:168 Resp: 18189
Ion Ratio Lower Upper
168 100
139 45.3 33.2 49.8
169 15.2 10.8 16.2

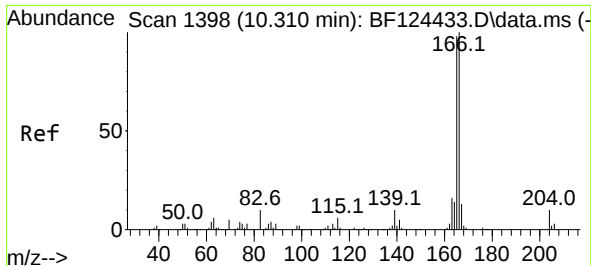


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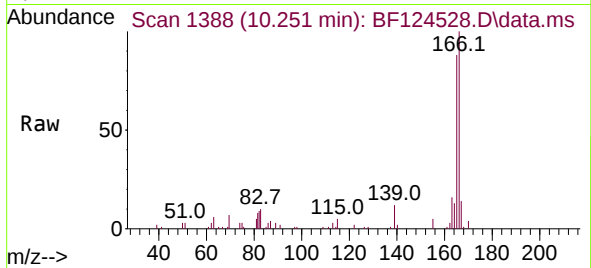
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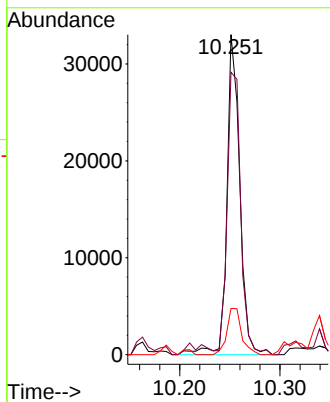
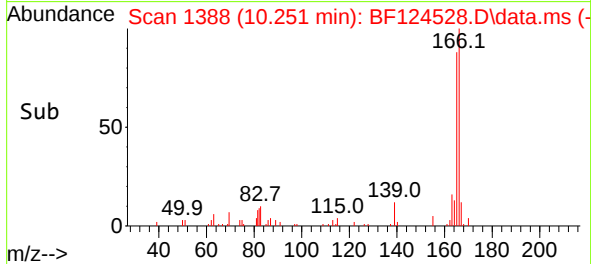
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#58
Fluorene
Concen: 5.90 ng
RT: 10.251 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35



Tgt Ion:166 Resp: 29362
Ion Ratio Lower Upper
166 100
165 88.2 73.5 110.3
167 14.4 10.7 16.1

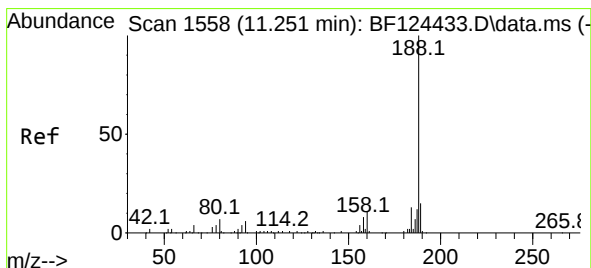


Instrument :
BNA_F
ClientSampleId :
D-2500

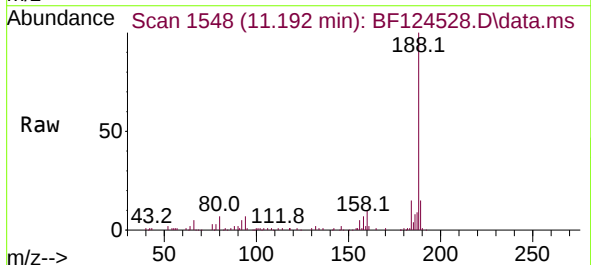
Manual Integrations
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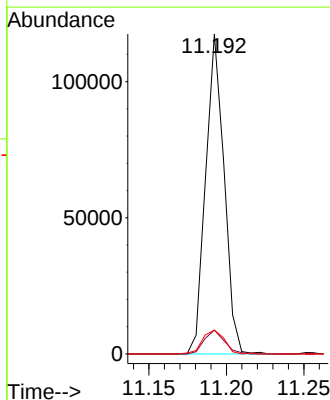
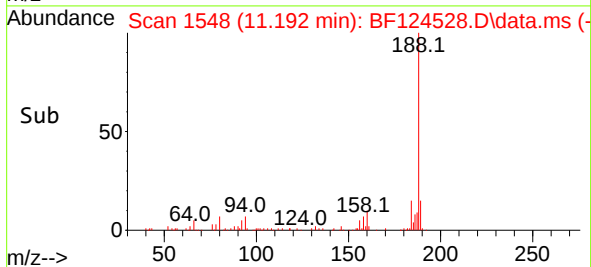
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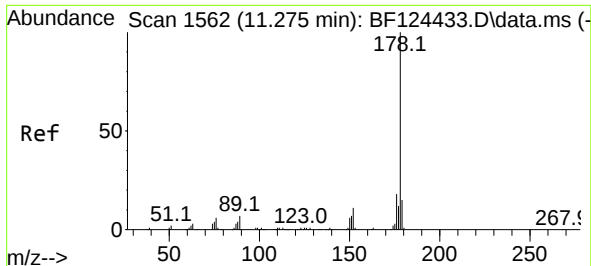


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.192 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35



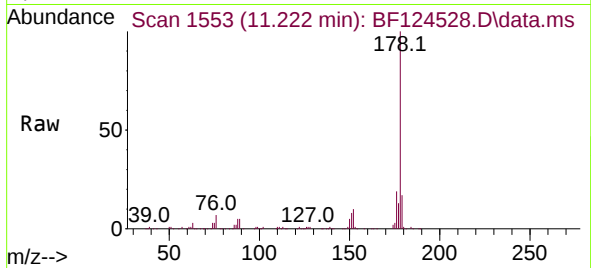
Tgt Ion:188 Resp: 97252
Ion Ratio Lower Upper
188 100
94 7.5 6.9 10.3
80 7.4 8.2 12.2#





#71
Phenanthrene
Concen: 60.07 ng
RT: 11.222 min Scan# 1553
Delta R.T. 0.000 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Instrument :
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ClientSampled :
D-2500

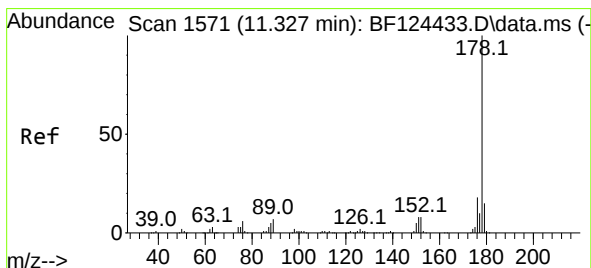
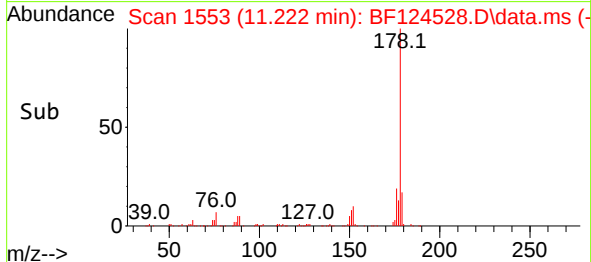
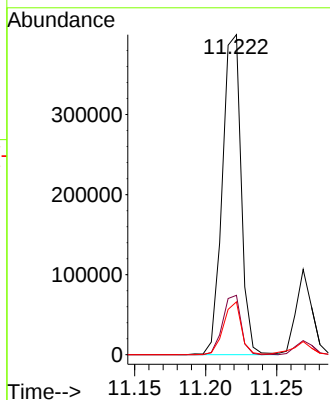


Tgt Ion:178 Resp: 368269
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 16.5 12.5 18.7

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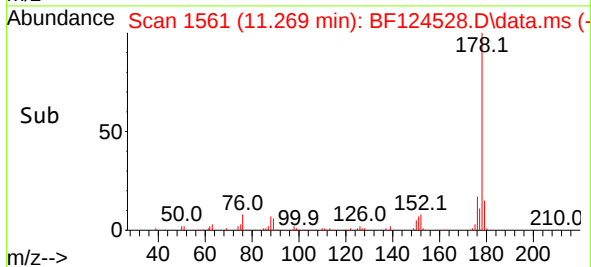
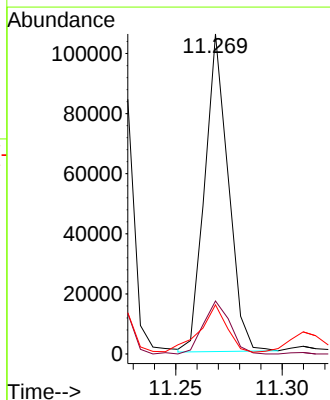
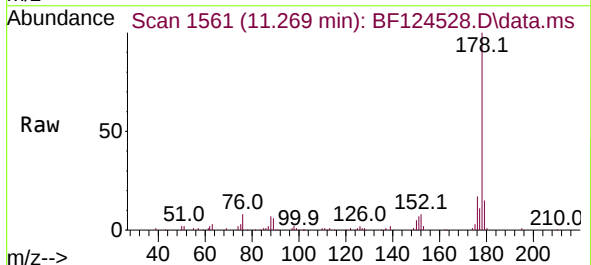
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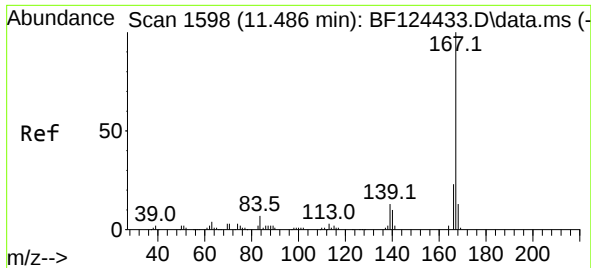
7/7/2021 11:35:21 AM



#72
Anthracene
Concen: 13.31 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Tgt Ion:178 Resp: 81280
Ion Ratio Lower Upper
178 100
176 16.5 15.4 23.0
179 15.4 12.6 18.8





#73
 Carbazole
 Concen: 3.65 ng
 RT: 11.433 min Scan# 1589
 Delta R.T. 0.000 min
 Lab File: BF124528.D
 Acq: 2 Jul 2021 20:35

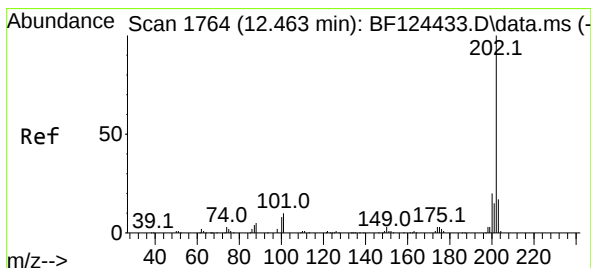
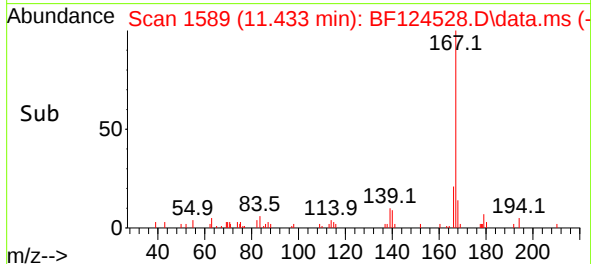
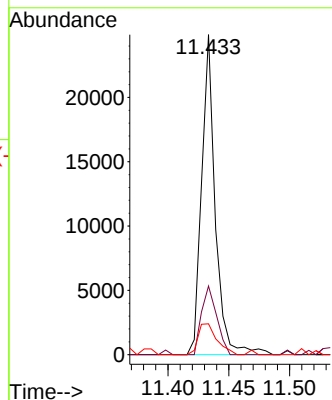
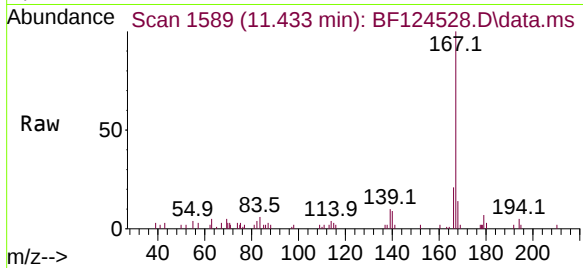
Tgt Ion:167 Resp: 19433
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.0 25.6
 139 9.6 10.4 15.6#

Instrument :
 BNA_F
 ClientSampled :
 D-2500

Manual Integrations
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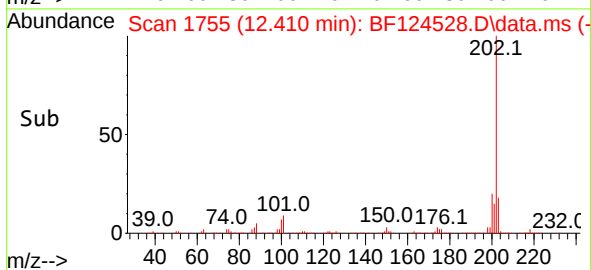
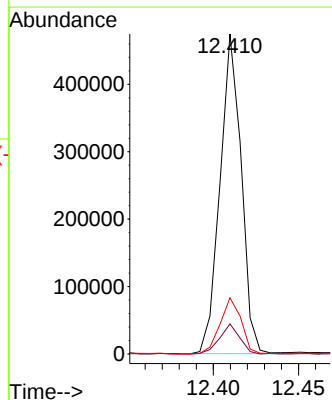
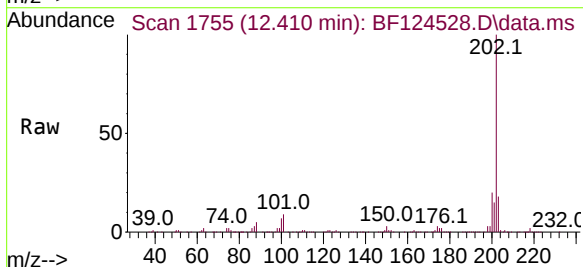
mohammad

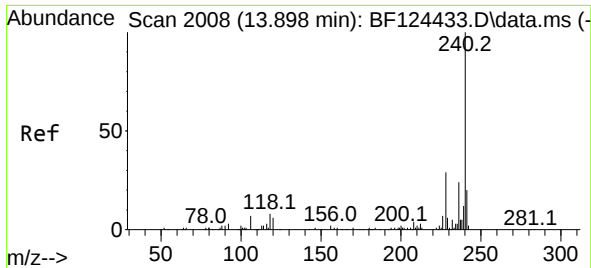
7/7/2021 11:35:21 AM



#75
 Fluoranthene
 Concen: 66.55 ng
 RT: 12.410 min Scan# 1755
 Delta R.T. 0.000 min
 Lab File: BF124528.D
 Acq: 2 Jul 2021 20:35

Tgt Ion:202 Resp: 410598
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 30.9
 203 17.5 0.0 37.5





#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.839 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

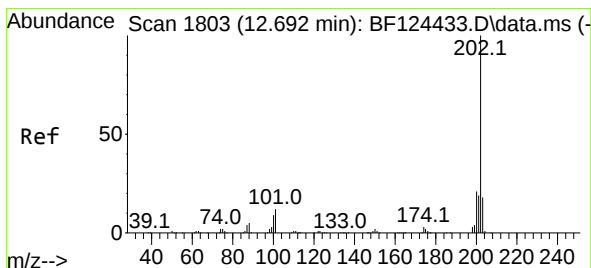
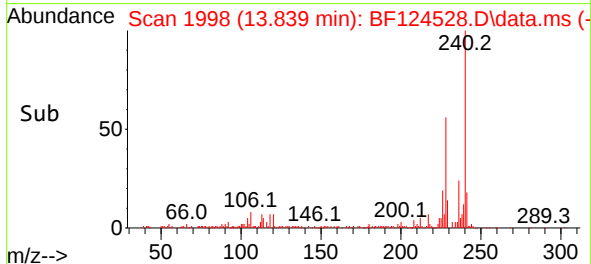
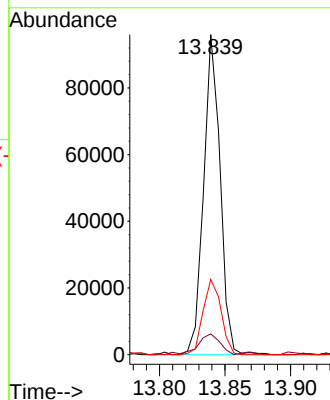
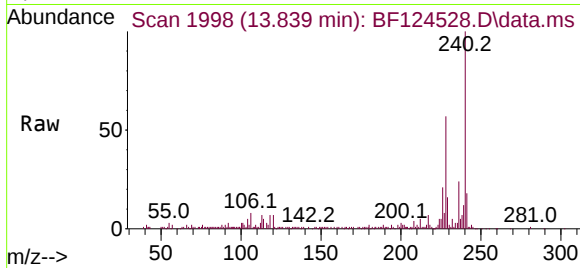
Tgt Ion:240 Resp: 84367
Ion Ratio Lower Upper
240 100
120 6.5 7.2 10.8#
236 23.5 19.0 28.4

Instrument :
BNA_F
ClientSampled :
D-2500

Manual Integrations
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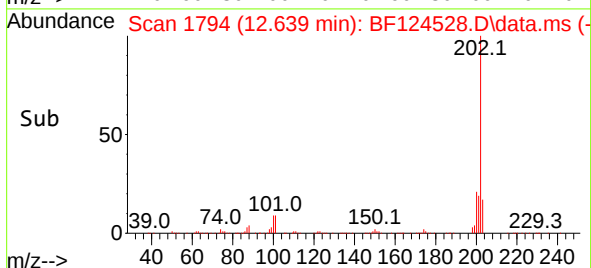
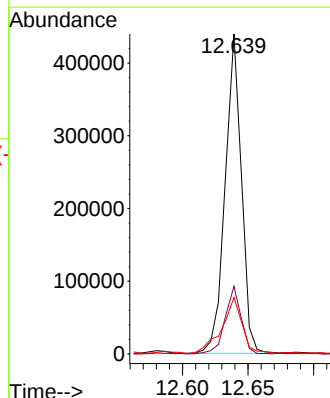
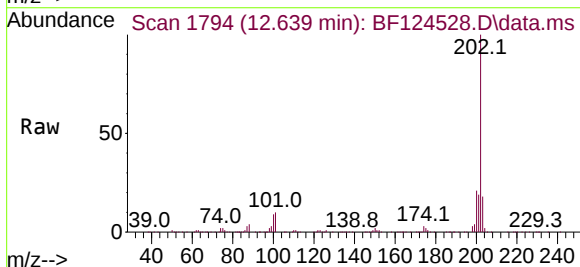
mohammad

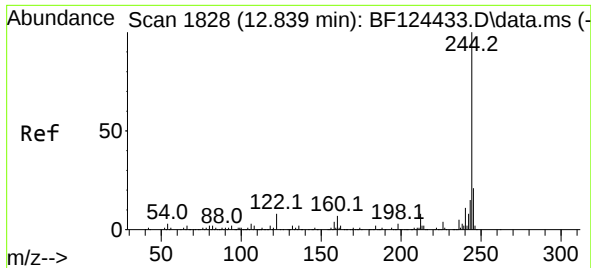
7/7/2021 11:35:21 AM



#78
Pyrene
Concen: 49.18 ng
RT: 12.639 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Tgt Ion:202 Resp: 378704
Ion Ratio Lower Upper
202 100
200 21.2 16.1 24.1
203 17.7 14.8 22.2





#79
 Terphenyl-d14
 Concen: 46.88 ng
 RT: 12.774 min Scan# 1817
 Delta R.T. -0.006 min
 Lab File: BF124528.D
 Acq: 2 Jul 2021 20:35

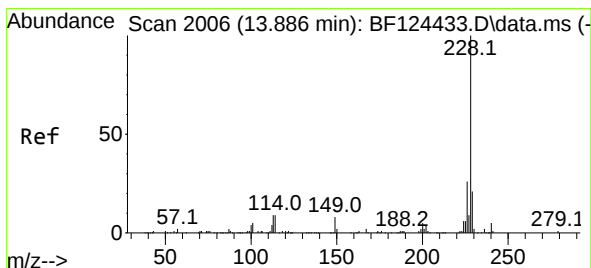
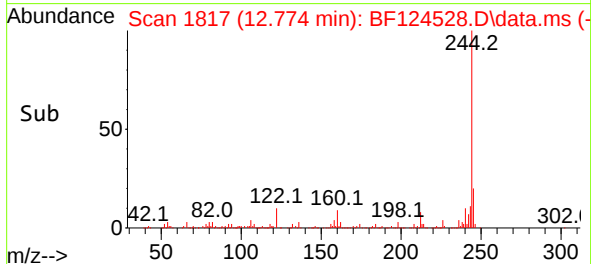
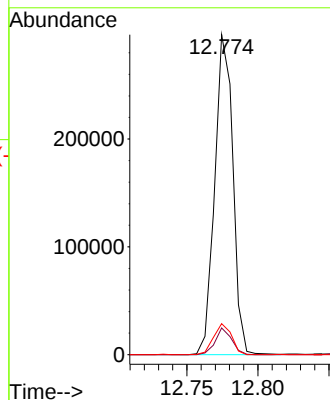
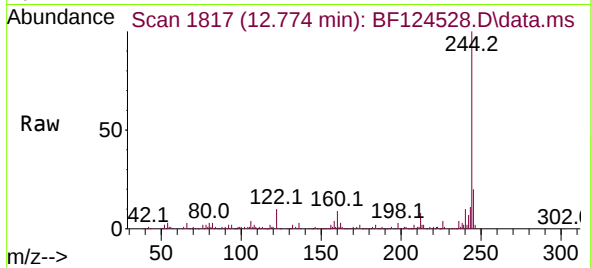
Tgt Ion:244 Resp: 264084
 Ion Ratio Lower Upper
 244 100
 212 8.3 5.7 8.5
 122 9.7 9.7 14.5

Instrument :
 BNA_F
 ClientSampled :
 D-2500

Manual Integrations
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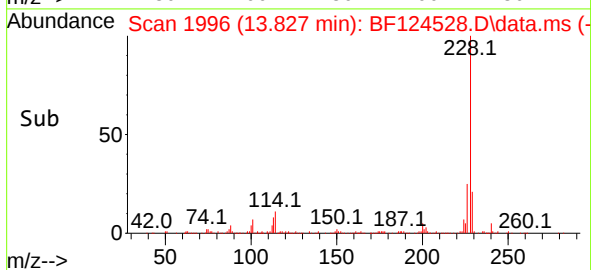
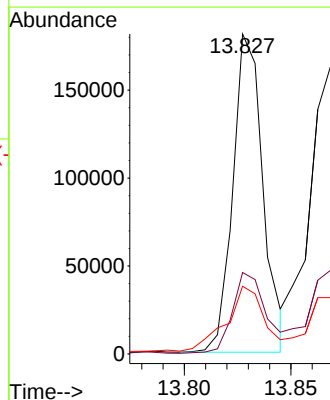
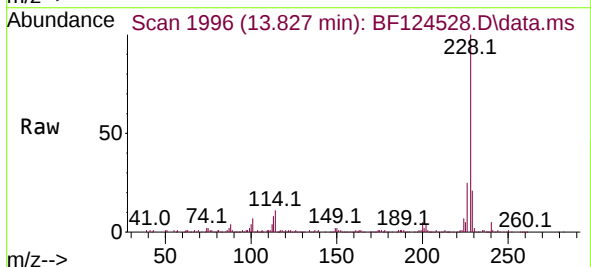
mohammad

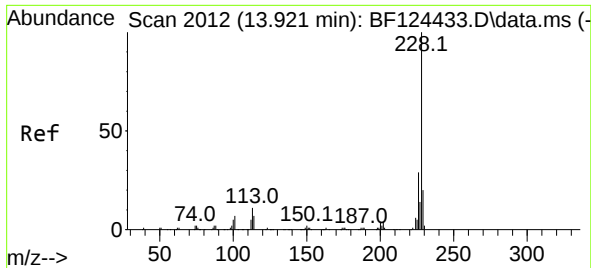
7/7/2021 11:35:21 AM



#81
 Benzo(a)anthracene
 Concen: 29.24 ng
 RT: 13.827 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: BF124528.D
 Acq: 2 Jul 2021 20:35

Tgt Ion:228 Resp: 177884
 Ion Ratio Lower Upper
 228 100
 226 25.5 22.4 33.6
 229 21.1 16.0 24.0





#83
 Chrysene
 Concen: 26.46 ng
 RT: 13.868 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: BF124528.D
 Acq: 2 Jul 2021 20:35

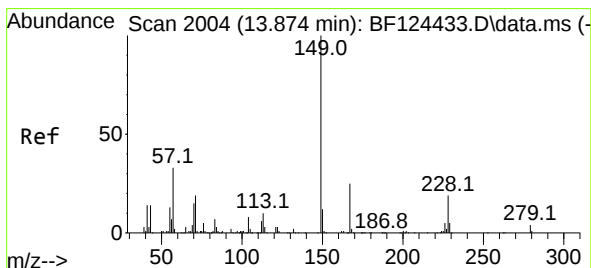
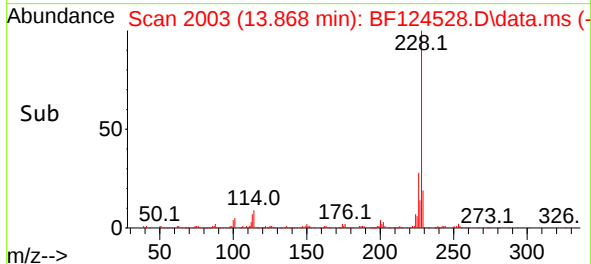
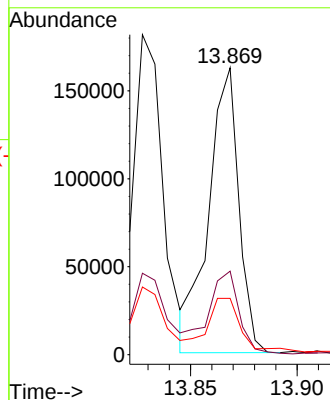
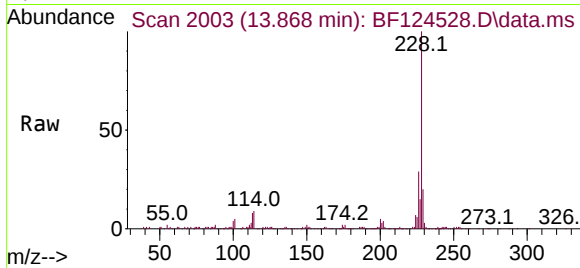
Tgt Ion:228 Resp: 159482
 Ion Ratio Lower Upper
 228 100
 226 29.1 24.3 36.5
 229 19.6 16.2 24.2

Instrument :
 BNA_F
 ClientSampled :
 D-2500

Manual Integrations
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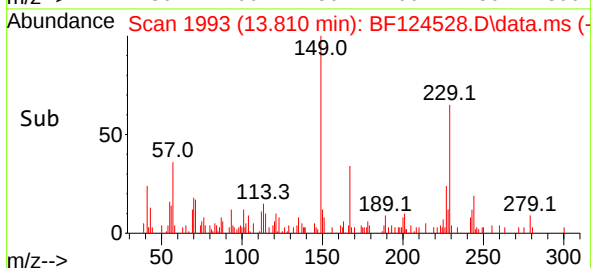
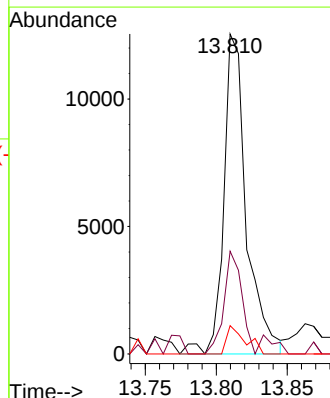
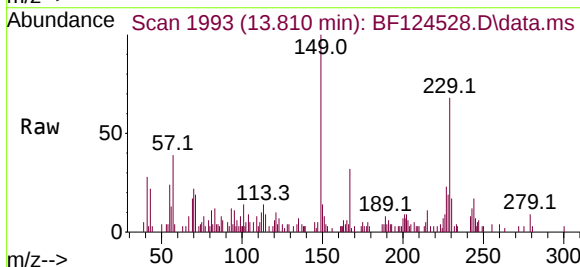
mohammad

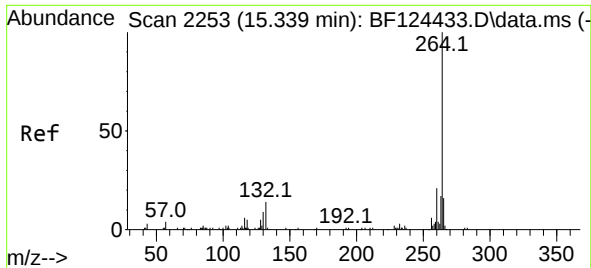
7/7/2021 11:35:21 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.38 ng
 RT: 13.810 min Scan# 1993
 Delta R.T. 0.000 min
 Lab File: BF124528.D
 Acq: 2 Jul 2021 20:35

Tgt Ion:149 Resp: 13860
 Ion Ratio Lower Upper
 149 100
 167 32.1 21.8 32.6
 279 8.9 3.3 4.9#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.263 min Scan# 2240
Delta R.T. 0.000 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

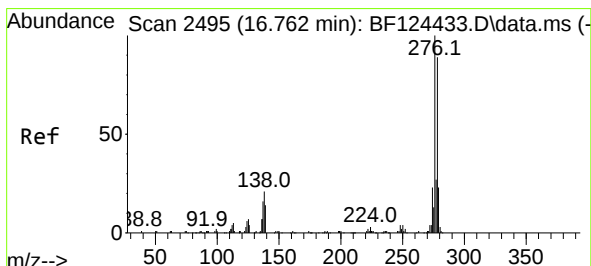
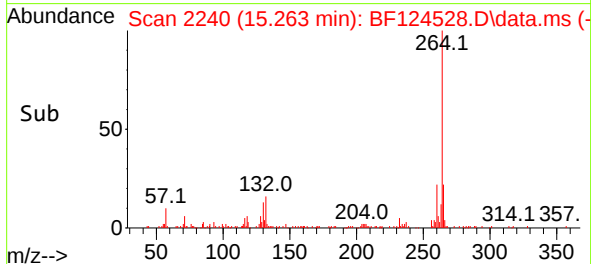
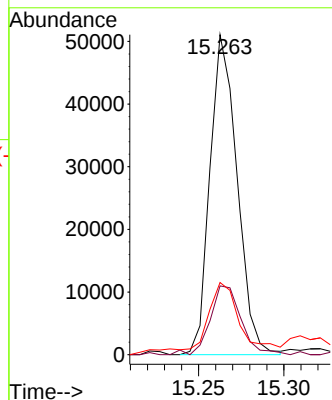
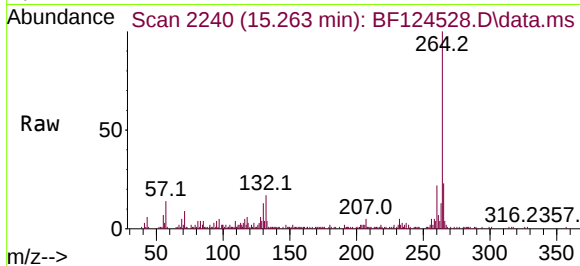
Tgt Ion:	264	Resp:	56775
Ion Ratio	Lower	Upper	
264	100		
260	21.5	18.7	28.1
265	22.6	17.8	26.8

Instrument :
BNA_F
ClientSampled :
D-2500

Manual Integrations
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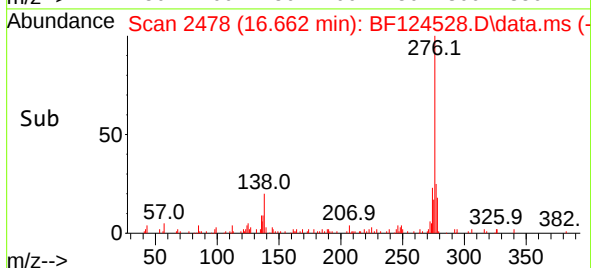
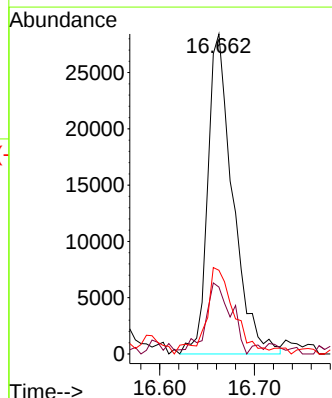
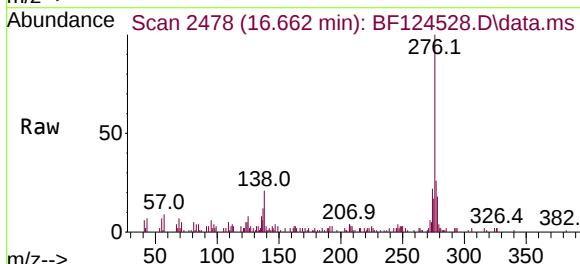
mohammad

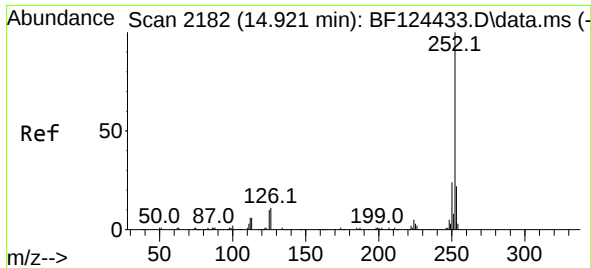
7/7/2021 11:35:21 AM



#87
Indeno(1,2,3-cd)pyrene
Concen: 11.68 ng
RT: 16.662 min Scan# 2478
Delta R.T. 0.012 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Tgt Ion:	276	Resp:	52286
Ion Ratio	Lower	Upper	
276	100		
138	22.6	16.2	24.2
277	29.7	20.1	30.1





#88
Benzo(b)fluoranthene
Concen: 35.29 ng m
RT: 14.863 min Scan# 2172
Delta R.T. 0.006 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

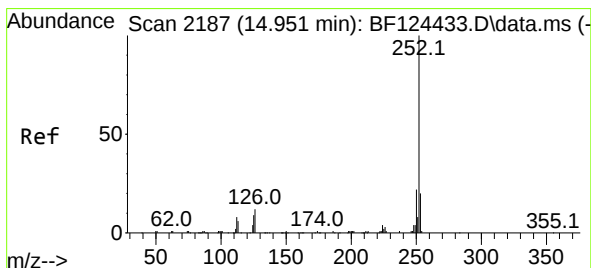
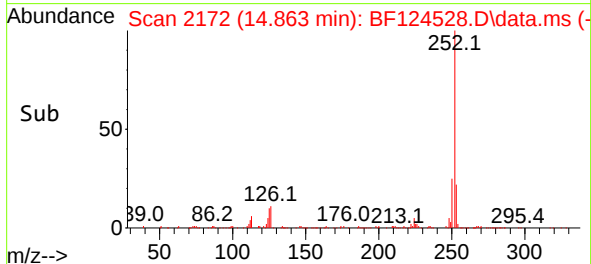
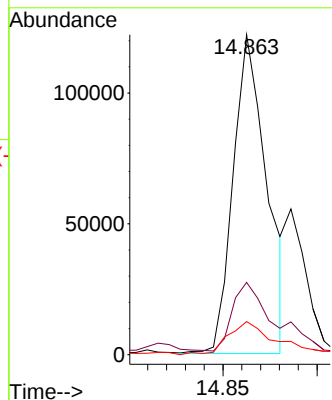
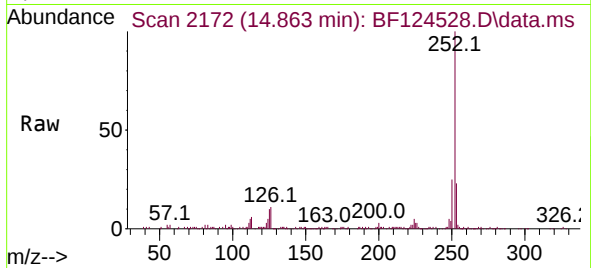
Tgt Ion:252 Resp: 151847
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 10.4 6.2 9.4#

Instrument :
BNA_F
ClientSampleId :
D-2500

Manual Integrations
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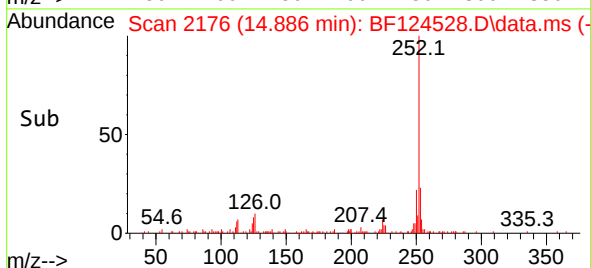
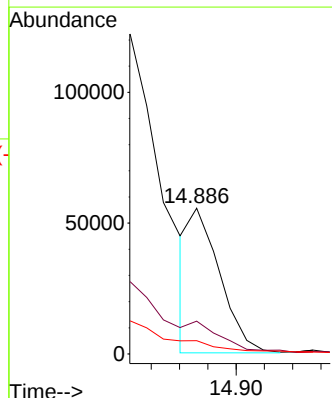
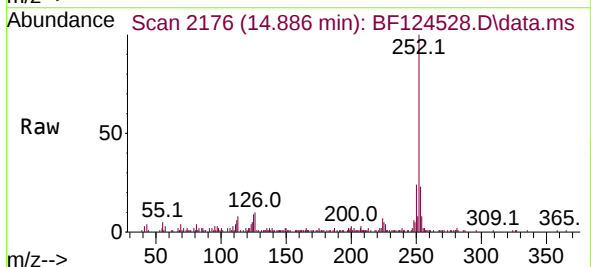
mohammad

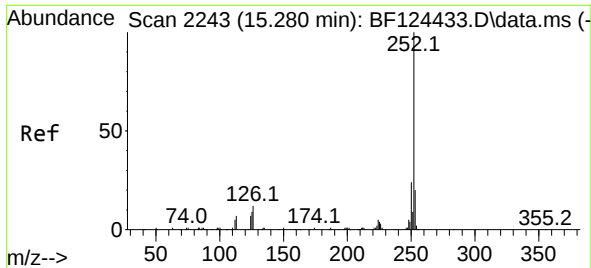
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#89
Benzo(k)fluoranthene
Concen: 10.51 ng m
RT: 14.886 min Scan# 2176
Delta R.T. 0.000 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Tgt Ion:252 Resp: 41353
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 9.1 7.0 10.6





#90
Benzo(a)pyrene
Concen: 27.18 ng
RT: 15.210 min Scan# 2231
Delta R.T. 0.006 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

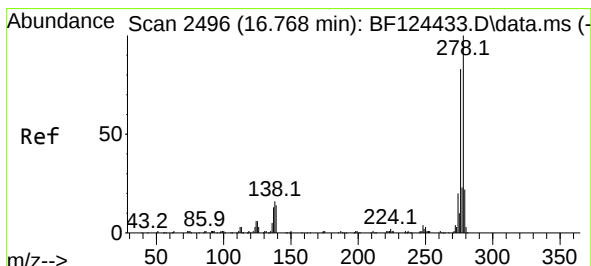
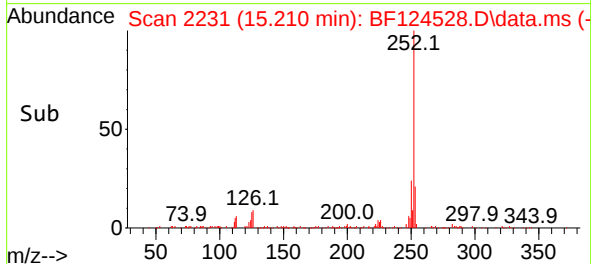
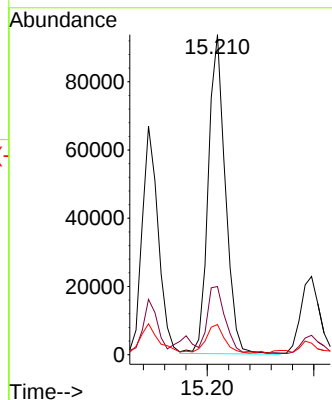
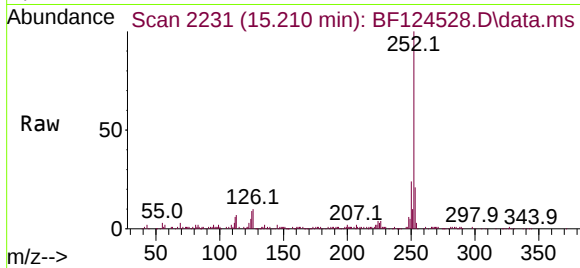
Tgt Ion:252 Resp: 103926
Ion Ratio Lower Upper
252 100
253 21.3 18.4 27.6
125 9.4 8.0 12.0

Instrument :
BNA_F
ClientSampled :
D-2500

Manual Integrations
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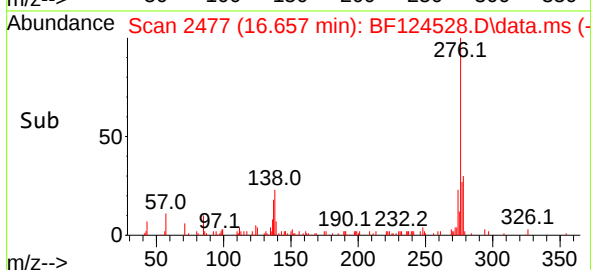
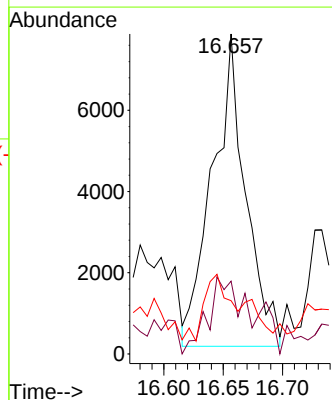
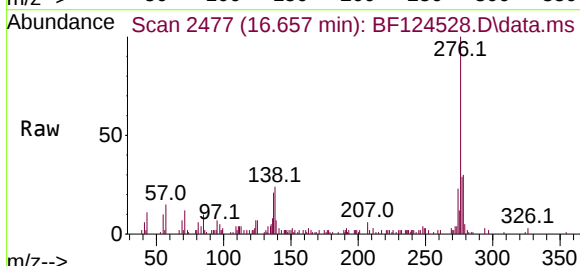
mohammad

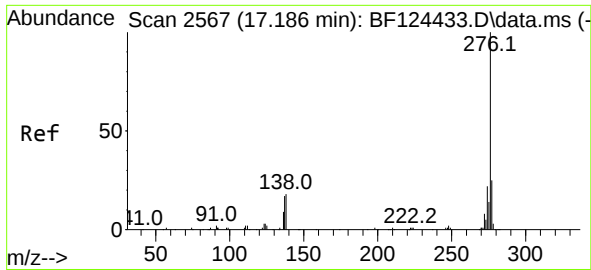
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#91
Dibenzo(a,h)anthracene
Concen: 3.89 ng m
RT: 16.657 min Scan# 2477
Delta R.T. 0.006 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Tgt Ion:278 Resp: 14989
Ion Ratio Lower Upper
278 100
139 22.7 10.2 15.2#
279 16.7 19.4 29.0#





#92
Benzo(g,h,i)perylene
Concen: 13.67 ng
RT: 17.080 min Scan# 2549
Delta R.T. 0.012 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.2	27.2
138	23.4	13.8	20.6

Instrument :
BNA_F
ClientSampleId :
D-2500

Manual Integrations
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